

PRELIMINARY HYDROLOGY STUDY

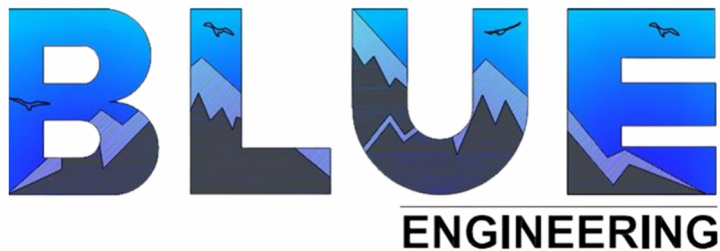
Cottonwood Apartments Development MORENO VALLEY, CA

PREPARE FOR:

WJK Development Co.

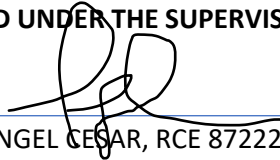
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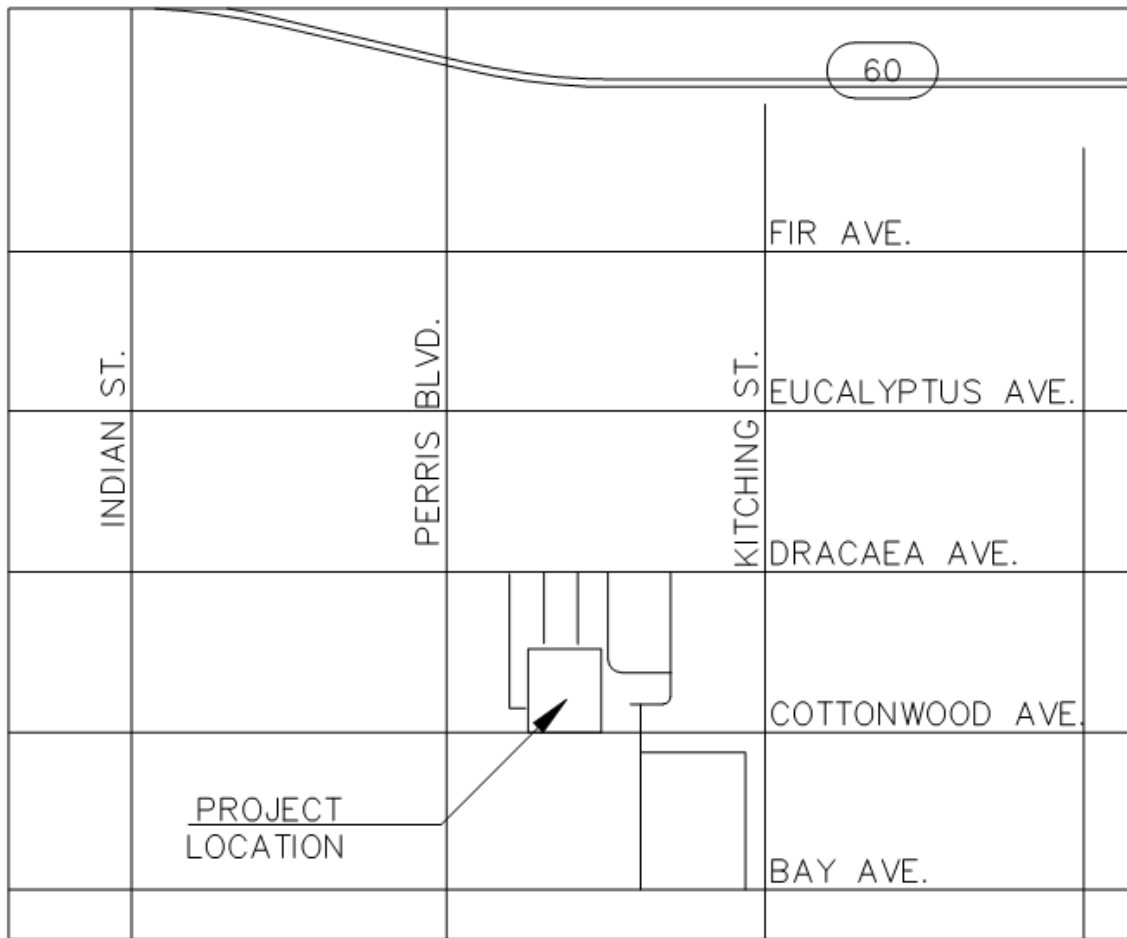
ANGEL CESAR, RCE 87222

Dec, 2024



INDEX:

INDEX	1-2
VICINITY MAP	3
PROJECT DESCRIPTION/METHODOLOGY	4-5
CALCULATIONS.....	5-6
CONCLUSION.....	6
APPENDIX.....	7
APPENDIX A: SUPPORTING DETAILS	
NOAA Precipitation	
Project Drainage Area Exhibit	
APPENDIX B: RATIONAL METHOD HYDROLOGY CALCULATIONS	
Pre-Development 10 yr. and 100 yr.	
Post Development 10 yr. and 100 yr.	
APPENDIX C: HYDROLOGY MAP	
Pre-Development Exhibit	
Post Development Exhibit	
Post Development Unit Hydrology Graph Exhibit	
APPENDIX D: HYDRAULIC CALCULATIONS	
UNIT HYDROLOGY METHOD:	
Pre-Development 2 yr, 5 yr, 10 yr. and 100 yr.	
Post-Development 2 yr, 5 yr, 10 yr. and 100 yr.	
BASIN ROUTING:	
Pre-Development 2 yr, 5 yr, 10 yr. and 100 yr.	
Post-Development 2 yr, 5 yr, 10 yr. and 100 yr.	
APPENDIX E: REFERENCES	
96" RCP Existing Storm Drain Information	



VICINITY MAP
N.T.S.

I. INTRODUCTION

The project Cottonwood Multi-family Residential Development is an approximately 9.4 acres site located approximately 600 feet east of the intersection of Perris Blvd and Cottonwood on the north side of Cottonwood Avenue in the City of Moreno Valley, Riverside County, California (see attached vicinity map). The site is bordered to the west by single family homes that have a chain linked fence along the boundary, to the south by Cottonwood Avenue, to the north by single family homes that contain a chain linked fence and single-family residential home to the east with a block wall.

II. DESCRIPTION OF THE ONSITE CONDITIONS

The site topography appears to have a low spot at the southeast corner of the property. There is an estimated 6 foot of elevation differential across the site. The existing flows drains into an existing inlet that is in the public right of way just north of Cottonwood Avenue. This inlet is the ultimate outfall of the site and is connected into the Riverside County Flood Control District Sunnymead Line P.

The site will be developed into attached multi-family homes. The site will contain twenty-three residential building a multi-purpose building and pool, and two recreational areas. Each residential building will contain 8 dwelling units. 10 building's (80 units) will have approximately 730 sq ft footprint. 13 buildings (104 units) will have approximately 1,090 sq ft footprint.

This hydrology report looks at the project at the ultimate condition.

III. OFFSITE HYDROLOGY

Cottonwood residential development will receive offsite flows. Along the northerly property line where the two streets of Bencliff Avenue and Tacoma Dr end. Topography appears to have those two streets drain north to south. A third street, Birchwood Dr. flows north to south as well. The project is proposing to connect Birchwood Dr to Cottonwood Ave. so drainage will continue through. Patricia Lane along the northeast property line is fully developed with curb and gutter with block walls being along the easterly property line. The HGL line in the existing 96" storm drainpipe in Cottonwood Avenue according to the as-builts appears to be above the pipe itself but not protruding above the ground. The offsite flow before development naturally flows through the site to the two existing catch basins along Cottonwood Ave. The current HGL line shown in the as-builts takes this flow into consideration already. The post mitigation development flow entering the existing storm drain line will be less than or equal to the current flow entering the system therefore, the HGL line will not change, and no back water will occur.

IV. ONSITE HYDROLOGY

The project is proposed to use multiple biofiltration basins throughout the project, to mitigate added flows generated by the additional impervious surface. The project will use minimal inlets and storm drainpipes needed to direct the flow to the basin. To calculate the flows that will be generated by the project site, CIVILCADD/CIVIL DESIGN software was used. The tables below summaries the calculations:

Table 1.1 Riverside County Rational Hydrology

Pre-Development Calculations					Post-Development Calculations (Pre-mitigation)				
Drainage area	Area (ac)		Tc (min)	Q (cfs)	Drainage area	Area (ac)		Tc (min)	Q (cfs)
DA-2	2.25	10 yr	17.202	2.716	DA-2	2.25	10 yr	10.573	3.770
		100 yr		4.384			100 yr		5.697
DA-4	2.44	10 yr	29.74	2.156	DA-4	2.44	10 yr	9.399	4.346
(subarea)		100 yr	28.39	3.665			100 yr		6.558
Confluence	4.69	10 yr	30.803	4.872					
(DA-2 & 4)		100 yr	29.338	8.048					
DA-1	1.19	10 yr	18.613	1.374	DA-1	1.19	10 yr	10.961	1.957
		100 yr		2.226			100 yr		2.958
DA-3	3.06	10 yr	23.73	3.079	DA-3	3.06	10 yr	12.076	4.785
(subarea)		100 yr	23.19	5.106			100 yr		7.242
Confluence	4.25	10 yr	23.73	4.453					
(DA-3 & 4)		100 yr	23.19	7.332					
Main	8.94	10 yr	30.803	8.78					
Confluence		100 yr	29.338	14.567					
DA-5	0.33	10 yr	13.801	0.451	DA-5	0.33	10 yr	5.084	0.807
		100 yr		0.72			100 yr		1.211

Table 1.1b Summary of Riverside County Rational Hydrology

	DMA-1			DMA-2			DA-3			DA-4		
	Ac.	10 y	100 y	Ac.	10 y	100 y	Ac.	10 y	100 y	Ac.	10 y	100 y
Pre-	1.19	1.374	2.226	2.25	2.716	4.384	3.06	3.079	5.106	2.44	2.156	3.665
Post	1.19	1.957	2.958	2.25	3.770	5.697	3.06	4.785	7.242	2.44	4.346	6.558
Delta		.583	.732		1.054	1.313		1.706	2.136		2.19	2.893

Table 1.2a Riverside County Unit Hydrograph Analysis

DMA1								
	100 yr		10 yr		5 yr		2 yr	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)
24 hr	0.693	0.713	0.32	0.394	0.067	0.312	0.031	0.233
6 hr	1.809	1.934	1.045	1.199	0.651	0.928	0.397	0.66
3hr	2.011	2.147	1.167	1.328	0.749	1.032	0.464	0.729
1hr	3.213	3.969	1.88	2.43	1.315	1.918	0.834	1.331

DMA2								
	100 yr		10 yr		5 yr		2 yr	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)
24 hr	1.311	1.833	0.606	1.013	0.127	0.802	0.06	0.599
6 hr	3.373	4.892	1.945	3.029	1.206	2.341	0.73	1.664
3hr	3.749	5.461	2.172	3.375	1.388	2.619	0.857	1.85
1hr	5.828	9.575	3.399	5.85	2.357	4.602	1.483	3.189

DMA3								
	100 yr		10 yr		5 yr		2 yr	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)
24 hr	1.781	1.833	0.822	1.013	0.171	0.802	0.081	0.599
6 hr	4.463	5.034	2.563	3.123	1.57	2.421	0.941	1.722
3hr	4.955	5.567	2.86	3.444	1.808	2.678	1.108	1.894
1hr	8.189	10.634	4.788	6.521	3.343	5.156	2.118	3.581

DMA4								
	100 yr		10 yr		5 yr		2 yr	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)	Peak Flow(cfs)
24 hr	1.422	1.461	0.657	0.808	0.137	0.643	0.065	0.478
6 hr	3.658	3.982	2.11	2.469	1.308	2.051	0.792	1.498
3hr	4.066	4.415	2.356	2.73	1.505	2.26	0.929	1.639
1hr	6.319	8.264	3.685	5.063	2.556	4.137	1.608	2.913

Table 1.3 Basin Volumes for Basins Area 1 and 2

BMP1			
Depth	Area		Outlet
5	8,639.38	0.198333	1.055638
4.5	8,192.8	0.188081	0.64234
4.25	7,836.4	0.179899	0.361356
4	7,414	0.170202	0.079945
3	5,425.2	0.124545	0.051517
2.8	4,998.4	0.114747	0.034362
2.75	4,892.8	0.112323	0.015637
2	3,230.04	0.074152	0.022284
1	1,239.48	0.028455	0.015637
0.06	41.8	0.00096	0.007818
0.03	15.84	0.000364	0.003909
0	0		

BMP2			
Depth	Area (SF)	Ac.	Outlet
7	23,706.46	0.544	1.272
6	21,658.56	0.497	0.877
5.5	19,989.2	0.459	0.571
5.25	19,077.52	0.438	0.366
5	18,135.04	0.416	0.151
4.75	17,180.24	0.394	0.105
4.5	16,170	0.371	0.060
4	14,014	0.322	0.056
3	9,745.12	0.224	0.048
2	5,614.84	0.129	0.039
1	2,112.88	0.049	0.028
0.1	73.92	0.002	0.006
0.05	25.87	0.001	0.003
0			

BMP3			
Depth	Area (SF)	Ac.	Outlet
7	20,781.64	0.477	2.890
6	18,986.4	0.436	1.726
5.5	17,523	0.402	0.933
5.25	16,723.8	0.384	0.152
5	15,897.6	0.365	0.129
4.75	15,060.6	0.346	0.102
4.5	14,175	0.325	0.075
4	12,285	0.282	0.071
3	8,542.8	0.196	0.061
2	4,922.1	0.113	0.050
1	1,852.2	0.043	0.035
0.1	64.8	0.001	0.008
0.05	22.68	0.001	0.004
0			

BMP4			
Depth	Area (SF)	Ac.	Outlet
7	16,933.18	0.389	3.281
6.15	15,765.2	0.362	2.206
5.9	15,250.4	0.350	1.193
5.65	14,660.8	0.337	0.679
5	12,953.6	0.297	0.129
4.75	12,271.6	0.282	0.102
4.5	11,550	0.265	0.075
4	10,010	0.230	0.071
3	6,960.8	0.160	0.061
2	4,010.6	0.092	0.050
1	1,509.2	0.035	0.035
0.1	52.8	0.001	0.008
0.05	18.48	0.000	0.004
0			

Table 1.4 Basin Routing – DMA 1 & 2

DMA1		
100 yr		
	Mitigated (cfs)	Change
24 hr	0.655	-5.5%
6 hr	0.991	-45.2%
3 hr	0.109	-94.6%
1 hr	0.036	-98.9%
10 yr		
	Mitigated (cfs)	
24 hr	0.125	-60.9%
6 hr	0.053	-94.9%
3 hr	0.022	-98.1%
1 hr	0.021	-98.9%
5 yr		
	Mitigated (cfs)	
24 hr	0.064	-4.5%
6 hr	0.022	-96.6%
3 hr	0.022	-97.1%
1 hr	0.019	-98.6%
2 yr		
	Mitigated (cfs)	
24 hr	0.022	-29.0%
6 hr	0.022	-94.5%
3 hr	0.02	-95.7%
1 hr	0.017	-98.0%

DMA2		
100 yr		
	Mitigated (cfs)	Change
24 hr	1.268	-3.3%
6 hr	1.185	-64.9%
3 hr	0.389	-89.6%
1 hr	0.054	-99.1%
10 yr		
	Mitigated (cfs)	Change
24 hr	0.437	-27.9%
6 hr	0.057	-97.1%
3 hr	0.051	-97.7%
1 hr	0.043	-98.7%
5 yr		
	Mitigated (cfs)	Change
24 hr	0.106	-16.5%
6 hr	0.052	-95.7%
3 hr	0.046	-96.7%
1 hr	0.039	-98.3%
2 yr		
	Mitigated (cfs)	Change
24 hr	0.054	-10.0%
6 hr	0.046	-93.7%
3 hr	0.041	-95.2%
1 hr	0.034	-97.7%

DMA3		
100 yr		
	Mitigated (cfs)	Change
24 hr	1.632	-8.4%
6 hr	2.827	-36.7%
3 hr	1.243	-74.9%
1 hr	0.072	-99.1%
10 yr		
	Mitigated (cfs)	
24 hr	0.665	-19.1%
6 hr	0.08	-96.9%
3 hr	0.068	-97.6%
1 hr	0.058	-98.8%
5 yr		
	Mitigated (cfs)	
24 hr	0.144	-15.8%
6 hr	0.069	-95.6%
3 hr	0.062	-96.6%
1 hr	0.052	-98.4%
2 yr		
	Mitigated (cfs)	
24 hr	0.071	-12.3%
6 hr	0.061	-93.5%
3 hr	0.055	-95.0%
1 hr	0.045	-97.9%

DMA4		
100 yr		
	Mitigated (cfs)	Change
24 hr	1.411	-0.8%
6 hr	2.55	-30.3%
3 hr	0.535	-86.8%
1 hr	0.057	-99.1%
10 yr		
	Mitigated (cfs)	Change
24 hr	0.376	-42.8%
6 hr	0.06	-97.2%
3 hr	0.053	-97.8%
1 hr	0.045	-98.8%
5 yr		
	Mitigated (cfs)	Change
24 hr	0.122	-10.9%
6 hr	0.055	-95.8%
3 hr	0.049	-96.7%
1 hr	0.041	-98.4%
2 yr		
	Mitigated (cfs)	Change
24 hr	0.055	-15.4%
6 hr	0.048	-93.9%
3 hr	0.043	-95.4%
1 hr	0.036	-97.8%

The project will increase the post Q amount. To mitigate the increase of flow coming from the project, multiple modular wetland systems with upstream storage with the capacity to store up to a volume of 70,059 c.f. Per the attached geotechnical report, infiltration is not feasible for this project.

The project offsite from areas OS-1 and OS-2 will routed through the project site and into Sunnymead Line P in Cottonwood Avenue.OS-3 and OS-4 will also go into Sunnymead Line P in the proposed new connection to Sunnymead Line P in Watson Way. The offsite flow will enter the proposed catch basins being proposed on Watson Way, into the proposed 24" storm drain line and then tie into the existing 96" storm drain line. The existing offsite flow and flow from Watson Way would naturally drain to the existing catch basin along Cottonwood Avenue that leads into the existing 96" SD line. Therefore, the existing SD system already accounts for these flows and the HGL line will not change or be affected by the potential slight increase in flow from the areas now being developed.

V. CONCLUSION

In conclusion, this report demonstrates that the proposed development is designed to not increase runoff and poses no flood risk to public & the downstream neighboring properties. The proposed storm drains, and the biofiltrations basins are designed to convey the flow rates indicated hereon and will comply with the flood protection and storm water quality requirements of the County of Riverside.

A

SUPPORTING DETAILS

RAIN MAPS

NOAA14



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, USA*
Latitude: 33.9253°, Longitude: -117.2234°
Elevation: 1586 ft**

* source: ESRI Maps
** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.090 (0.075-0.109)	0.122 (0.101-0.147)	0.163 (0.136-0.199)	0.198 (0.163-0.243)	0.246 (0.196-0.312)	0.284 (0.221-0.368)	0.323 (0.245-0.429)	0.364 (0.268-0.498)	0.420 (0.297-0.601)	0.465 (0.317-0.689)
10-min	0.129 (0.108-0.157)	0.174 (0.145-0.211)	0.234 (0.195-0.285)	0.284 (0.234-0.348)	0.353 (0.281-0.448)	0.407 (0.317-0.528)	0.463 (0.351-0.615)	0.521 (0.384-0.714)	0.602 (0.426-0.861)	0.667 (0.455-0.988)
15-min	0.157 (0.131-0.189)	0.211 (0.176-0.256)	0.283 (0.236-0.344)	0.343 (0.283-0.421)	0.427 (0.340-0.541)	0.492 (0.383-0.638)	0.560 (0.425-0.744)	0.630 (0.465-0.863)	0.728 (0.515-1.04)	0.806 (0.550-1.20)
30-min	0.246 (0.205-0.298)	0.332 (0.276-0.402)	0.446 (0.370-0.542)	0.540 (0.445-0.662)	0.671 (0.534-0.852)	0.774 (0.603-1.00)	0.880 (0.668-1.17)	0.991 (0.731-1.36)	1.15 (0.809-1.64)	1.27 (0.865-1.88)
60-min	0.348 (0.290-0.421)	0.468 (0.390-0.567)	0.629 (0.523-0.765)	0.763 (0.628-0.935)	0.947 (0.754-1.20)	1.09 (0.851-1.42)	1.24 (0.943-1.65)	1.40 (1.03-1.92)	1.62 (1.14-2.31)	1.79 (1.22-2.65)
2-hr	0.511 (0.427-0.619)	0.668 (0.557-0.810)	0.876 (0.728-1.06)	1.05 (0.863-1.28)	1.28 (1.02-1.63)	1.46 (1.14-1.90)	1.65 (1.25-2.20)	1.84 (1.36-2.53)	2.11 (1.49-3.02)	2.32 (1.58-3.44)
3-hr	0.631 (0.527-0.764)	0.817 (0.681-0.990)	1.06 (0.882-1.29)	1.26 (1.04-1.55)	1.54 (1.22-1.95)	1.75 (1.36-2.27)	1.96 (1.49-2.61)	2.19 (1.61-3.00)	2.49 (1.76-3.56)	2.73 (1.86-4.05)
6-hr	0.879 (0.733-1.06)	1.13 (0.941-1.37)	1.46 (1.21-1.77)	1.72 (1.42-2.11)	2.09 (1.66-2.65)	2.37 (1.84-3.07)	2.65 (2.01-3.52)	2.94 (2.17-4.03)	3.34 (2.36-4.77)	3.65 (2.49-5.40)
12-hr	1.14 (0.951-1.38)	1.48 (1.23-1.79)	1.91 (1.59-2.32)	2.27 (1.87-2.78)	2.75 (2.19-3.49)	3.12 (2.43-4.04)	3.49 (2.65-4.65)	3.88 (2.86-5.31)	4.39 (3.10-6.28)	4.79 (3.26-7.10)
24-hr	1.47 (1.30-1.69)	1.93 (1.71-2.23)	2.54 (2.24-2.94)	3.03 (2.65-3.53)	3.69 (3.12-4.45)	4.20 (3.48-5.16)	4.71 (3.81-5.93)	5.23 (4.12-6.77)	5.93 (4.49-8.00)	6.48 (4.74-9.03)
2-day	1.72 (1.52-1.98)	2.30 (2.04-2.66)	3.07 (2.70-3.55)	3.69 (3.23-4.30)	4.53 (3.83-5.46)	5.17 (4.29-6.36)	5.82 (4.72-7.33)	6.49 (5.12-8.40)	7.39 (5.60-9.96)	8.09 (5.92-11.3)
3-day	1.82 (1.62-2.10)	2.48 (2.19-2.86)	3.33 (2.94-3.85)	4.03 (3.52-4.70)	4.98 (4.21-6.00)	5.70 (4.73-7.02)	6.44 (5.22-8.12)	7.21 (5.68-9.33)	8.24 (6.24-11.1)	9.05 (6.62-12.6)
4-day	1.97 (1.74-2.27)	2.70 (2.38-3.12)	3.66 (3.22-4.23)	4.44 (3.89-5.18)	5.51 (4.67-6.64)	6.34 (5.26-7.80)	7.19 (5.82-9.05)	8.06 (6.35-10.4)	9.25 (7.00-12.5)	10.2 (7.45-14.2)
7-day	2.19 (1.94-2.52)	3.04 (2.69-3.52)	4.19 (3.69-4.84)	5.12 (4.48-5.98)	6.41 (5.43-7.73)	7.41 (6.15-9.12)	8.44 (6.84-10.6)	9.50 (7.49-12.3)	11.0 (8.30-14.8)	12.1 (8.85-16.9)
10-day	2.28 (2.02-2.63)	3.21 (2.84-3.71)	4.46 (3.93-5.16)	5.48 (4.80-6.40)	6.90 (5.85-8.32)	8.01 (6.65-9.85)	9.15 (7.41-11.5)	10.3 (8.15-13.4)	12.0 (9.06-16.1)	13.2 (9.69-18.5)
20-day	2.68 (2.37-3.09)	3.82 (3.37-4.41)	5.37 (4.73-6.21)	6.67 (5.83-7.78)	8.49 (7.19-10.2)	9.93 (8.24-12.2)	11.4 (9.26-14.4)	13.0 (10.3-16.8)	15.2 (11.5-20.5)	16.9 (12.4-23.6)
30-day	3.12 (2.76-3.60)	4.44 (3.92-5.12)	6.26 (5.52-7.24)	7.80 (6.82-9.10)	9.98 (8.45-12.0)	11.7 (9.72-14.4)	13.5 (11.0-17.1)	15.5 (12.2-20.0)	18.2 (13.8-24.5)	20.4 (14.9-28.4)
45-day	3.66 (3.24-4.22)	5.17 (4.57-5.97)	7.26 (6.40-8.40)	9.05 (7.92-10.6)	11.6 (9.84-14.0)	13.7 (11.4-16.9)	15.9 (12.9-20.0)	18.3 (14.4-23.6)	21.6 (16.3-29.1)	24.3 (17.8-33.8)
60-day	4.18 (3.70-4.82)	5.81 (5.14-6.71)	8.12 (7.16-9.40)	10.1 (8.84-11.8)	13.0 (11.0-15.7)	15.4 (12.7-18.9)	17.9 (14.5-22.5)	20.6 (16.2-26.6)	24.4 (18.5-32.9)	27.5 (20.2-38.4)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

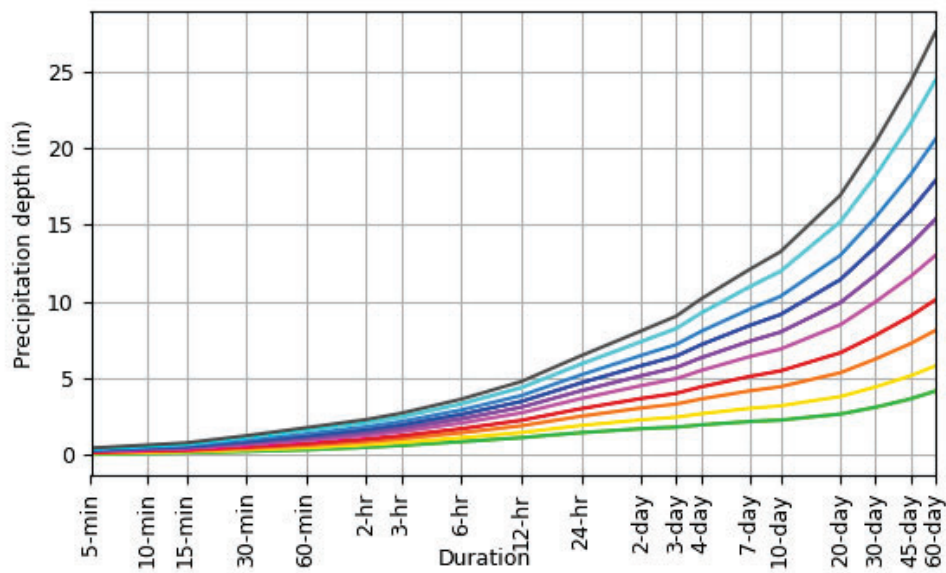
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

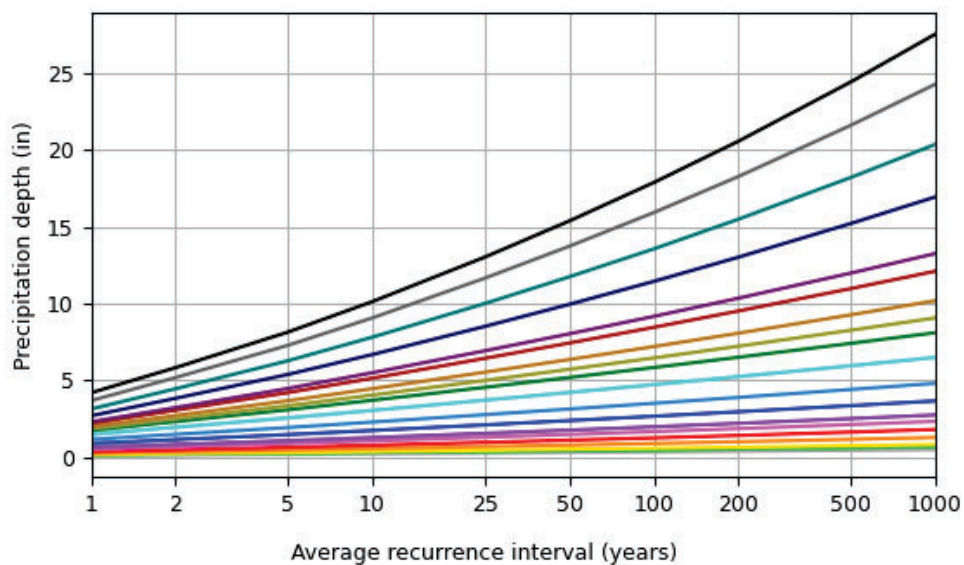
[Back to Top](#)

PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 33.9253°, Longitude: -117.2234°



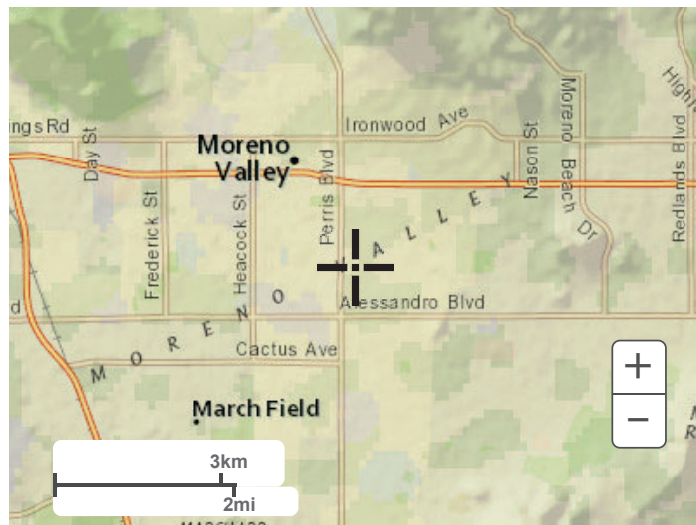
Average recurrence interval (years)
1
2
5
10
25
50
100
200
500
1000



Duration	
5-min	2-day
10-min	3-day
15-min	4-day
30-min	7-day
60-min	10-day
2-hr	20-day
3-hr	30-day
6-hr	45-day
12-hr	60-day
24-hr	

Maps & aerials

Small scale terrain



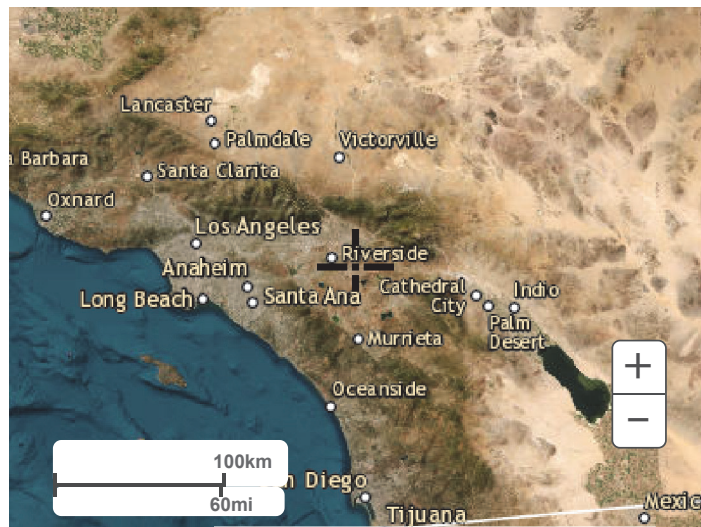
Large scale terrain



Large scale map



Large scale aerial



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1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)

B

RATIONAL METHOD HYDROLOGY CALCULATIONS

**Pre-Development 10 yr. and 100 yr.
Post Development 10 yr. and 100 yr.**

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/28/24 File:249PRE.out

Cottonwood Apartments
Rational Method
Pre Development
10 yr

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Sunnymead-Moreno] area used.

10 year storm 10 minute intensity = 2.010(In/Hr)

10 year storm 60 minute intensity = 0.820(In/Hr)

100 year storm 10 minute intensity = 2.940(In/Hr)

100 year storm 60 minute intensity = 1.200(In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.820(In/Hr)

Slope of intensity duration curve = 0.5000

++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 558.250(Ft.)

Top (of initial area) elevation = 1587.850(Ft.)

Bottom (of initial area) elevation = 1583.020(Ft.)

Difference in elevation = 4.830(Ft.)
 Slope = 0.00865 s(percent)= 0.87
 $TC = k(0.530)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 17.202 min.
 Rainfall intensity = 1.531(In/Hr) for a 10.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.788
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 86.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 2.716(CFS)
 Total initial stream area = 2.250(Ac.)
 Pervious area fraction = 1.000

++++++
 Process from Point/Station 101.000 to Point/Station 102.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1583.020(Ft.)
 End of natural channel elevation = 1582.990(Ft.)
 Length of natural channel = 190.880(Ft.)
 Estimated mean flow rate at midpoint of channel = 4.189(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
 Velocity using mean channel flow = 0.25(Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0002
 Corrected/adjusted channel slope = 0.0002
 Travel time = 12.53 min. TC = 29.74 min.

Adding area flow to channel
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.759
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 86.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Rainfall intensity = 1.165(In/Hr) for a 10.0 year storm
 Subarea runoff = 2.156(CFS) for 2.440(Ac.)

Total runoff = 4.872(CFS) Total area = 4.690(Ac.)

++++
Process from Point/Station 102.000 to Point/Station 104.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1582.990(Ft.)
End of natural channel elevation = 1581.000(Ft.)
Length of natural channel = 153.010(Ft.)
Estimated mean flow rate at midpoint of channel = 4.872(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
Velocity using mean channel flow = 2.39(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0130
Corrected/adjusted channel slope = 0.0130
Travel time = 1.07 min. TC = 30.80 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.757
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 86.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.144(In/Hr) for a 10.0 year storm
Subarea runoff = 0.000(CFS) for 0.000(Ac.)
Total runoff = 4.872(CFS) Total area = 4.690(Ac.)

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 4.690(Ac.)
Runoff from this stream = 4.872(CFS)
Time of concentration = 30.80 min.
Rainfall intensity = 1.144(In/Hr)
Summary of stream data:

Stream	Flow rate	TC	Rainfall Intensity

No.	(CFS)	(min)	(In/Hr)

1	4.872	30.80	1.144

Largest stream flow has longer time of concentration

Qp = 4.872 + sum of

Qp = 4.872

Total of 1 streams to confluence:

Flow rates before confluence point:

4.872

Area of streams before confluence:

4.690

Results of confluence:

Total flow rate = 4.872(CFS)

Time of concentration = 30.803 min.

Effective stream area after confluence = 4.690(Ac.)

++++
Process from Point/Station 100.000 to Point/Station 103.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 380.360(Ft.)

Top (of initial area) elevation = 1587.850(Ft.)

Bottom (of initial area) elevation = 1586.820(Ft.)

Difference in elevation = 1.030(Ft.)

Slope = 0.00271 s(percent)= 0.27

TC = $k(0.530)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$

Initial area time of concentration = 18.613 min.

Rainfall intensity = 1.472(In/Hr) for a 10.0 year storm

UNDEVELOPED (poor cover) subarea

Runoff Coefficient = 0.784

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 1.000

Decimal fraction soil group D = 0.000

RI index for soil(AMC 2) = 86.00

Pervious area fraction = 1.000; Impervious fraction = 0.000

Initial subarea runoff = 1.374(CFS)

Total initial stream area = 1.190(Ac.)

Pervious area fraction = 1.000

++++
Process from Point/Station 103.000 to Point/Station 104.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1586.820(Ft.)

End of natural channel elevation = 1581.000(Ft.)

Length of natural channel = 581.970(Ft.)
Estimated mean flow rate at midpoint of channel = 3.141(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
Velocity using mean channel flow = 1.90(Ft/s)

Correction to map slope used on extremely rugged channels with drops and waterfalls (Plate D-6.2)

Normal channel slope = 0.0100
Corrected/adjusted channel slope = 0.0100
Travel time = 5.11 min. TC = 23.73 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.772
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 86.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.304(In/Hr) for a 10.0 year storm
Subarea runoff = 3.079(CFS) for 3.060(Ac.)
Total runoff = 4.453(CFS) Total area = 4.250(Ac.)

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2

Stream flow area = 4.250(Ac.)
Runoff from this stream = 4.453(CFS)
Time of concentration = 23.73 min.
Rainfall intensity = 1.304(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)

1	4.872	30.80	1.144
2	4.453	23.73	1.304

Largest stream flow has longer time of concentration

Qp = 4.872 + sum of
Qb Ia/Ib
4.453 * 0.878 = 3.908

Qp = 8.780

Total of 2 streams to confluence:

Flow rates before confluence point:

4.872 4.453

Area of streams before confluence:

4.690 4.250

Results of confluence:

Total flow rate = 8.780(CFS)

Time of concentration = 30.803 min.

Effective stream area after confluence = 8.940(Ac.)

++++
Process from Point/Station 105.000 to Point/Station 106.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 192.940(Ft.)

Top (of initial area) elevation = 1585.010(Ft.)

Bottom (of initial area) elevation = 1584.410(Ft.)

Difference in elevation = 0.600(Ft.)

Slope = 0.00311 s(percent)= 0.31

TC = $k(0.530)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$

Initial area time of concentration = 13.801 min.

Rainfall intensity = 1.710(In/Hr) for a 10.0 year storm

UNDEVELOPED (poor cover) subarea

Runoff Coefficient = 0.799

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 1.000

Decimal fraction soil group D = 0.000

RI index for soil(AMC 2) = 86.00

Pervious area fraction = 1.000; Impervious fraction = 0.000

Initial subarea runoff = 0.451(CFS)

Total initial stream area = 0.330(Ac.)

Pervious area fraction = 1.000

End of computations, total study area = 9.27 (Ac.)

The following figures may

be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000

Area averaged RI index number = 86.0

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/25/24 File:249pre.out

Cottonwood Apartments
Rational Method
Pre Development
100 yr

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

Standard intensity-duration curves data (Plate D-4.1)

For the [Sunnymead-Moreno] area used.

10 year storm 10 minute intensity = 2.010(In/Hr)

10 year storm 60 minute intensity = 0.820(In/Hr)

100 year storm 10 minute intensity = 2.940(In/Hr)

100 year storm 60 minute intensity = 1.200(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.200(In/Hr)

Slope of intensity duration curve = 0.5000

++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 558.250(Ft.)

Top (of initial area) elevation = 1587.850(Ft.)

Bottom (of initial area) elevation = 1583.020(Ft.)

Difference in elevation = 4.830(Ft.)
 Slope = 0.00865 s(percent)= 0.87
 $TC = k(0.530)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 17.202 min.
 Rainfall intensity = 2.241(In/Hr) for a 100.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.869
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 3) = 94.40
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 4.384(CFS)
 Total initial stream area = 2.250(Ac.)
 Pervious area fraction = 1.000

++++++
 Process from Point/Station 101.000 to Point/Station 102.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1583.020(Ft.)
 End of natural channel elevation = 1582.990(Ft.)
 Length of natural channel = 190.880(Ft.)
 Estimated mean flow rate at midpoint of channel = 6.760(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
 Velocity using mean channel flow = 0.28(Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0002
 Corrected/adjusted channel slope = 0.0002
 Travel time = 11.19 min. TC = 28.39 min.

Adding area flow to channel
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.861
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 3) = 94.40
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Rainfall intensity = 1.744(In/Hr) for a 100.0 year storm
 Subarea runoff = 3.665(CFS) for 2.440(Ac.)

Total runoff = 8.048(CFS) Total area = 4.690(Ac.)

++++
Process from Point/Station 102.000 to Point/Station 104.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1582.990(Ft.)
End of natural channel elevation = 1581.000(Ft.)
Length of natural channel = 153.010(Ft.)
Estimated mean flow rate at midpoint of channel = 8.048(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
Velocity using mean channel flow = 2.70(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0130
Corrected/adjusted channel slope = 0.0130
Travel time = 0.94 min. TC = 29.34 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.860
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 94.40
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.716(In/Hr) for a 100.0 year storm
Subarea runoff = 0.000(CFS) for 0.000(Ac.)
Total runoff = 8.048(CFS) Total area = 4.690(Ac.)

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 4.690(Ac.)
Runoff from this stream = 8.048(CFS)
Time of concentration = 29.34 min.
Rainfall intensity = 1.716(In/Hr)
Summary of stream data:

Stream	Flow rate	TC	Rainfall Intensity

No.	(CFS)	(min)	(In/Hr)

1	8.048	29.34	1.716

Largest stream flow has longer time of concentration

Qp = 8.048 + sum of

Qp = 8.048

Total of 1 streams to confluence:

Flow rates before confluence point:

8.048

Area of streams before confluence:

4.690

Results of confluence:

Total flow rate = 8.048(CFS)

Time of concentration = 29.338 min.

Effective stream area after confluence = 4.690(Ac.)

++++
Process from Point/Station 100.000 to Point/Station 103.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 380.360(Ft.)

Top (of initial area) elevation = 1587.850(Ft.)

Bottom (of initial area) elevation = 1586.820(Ft.)

Difference in elevation = 1.030(Ft.)

Slope = 0.00271 s(percent)= 0.27

TC = $k(0.530)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$

Initial area time of concentration = 18.613 min.

Rainfall intensity = 2.154(In/Hr) for a 100.0 year storm

UNDEVELOPED (poor cover) subarea

Runoff Coefficient = 0.868

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 1.000

Decimal fraction soil group D = 0.000

RI index for soil(AMC 3) = 94.40

Pervious area fraction = 1.000; Impervious fraction = 0.000

Initial subarea runoff = 2.226(CFS)

Total initial stream area = 1.190(Ac.)

Pervious area fraction = 1.000

++++
Process from Point/Station 103.000 to Point/Station 104.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1586.820(Ft.)

End of natural channel elevation = 1581.000(Ft.)

Length of natural channel = 581.970(Ft.)
Estimated mean flow rate at midpoint of channel = 5.087(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
Velocity using mean channel flow = 2.12(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)

Normal channel slope = 0.0100
Corrected/adjusted channel slope = 0.0100
Travel time = 4.58 min. TC = 23.19 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 94.40
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.930(In/Hr) for a 100.0 year storm
Subarea runoff = 5.106(CFS) for 3.060(Ac.)
Total runoff = 7.332(CFS) Total area = 4.250(Ac.)

++++
Process from Point/Station 104.000 to Point/Station 104.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 4.250(Ac.)
Runoff from this stream = 7.332(CFS)
Time of concentration = 23.19 min.
Rainfall intensity = 1.930(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)

1	8.048	29.34	1.716
2	7.332	23.19	1.930

Largest stream flow has longer time of concentration

Qp = 8.048 + sum of
Qb Ia/Ib
7.332 * 0.889 = 6.519

Qp = 14.567

Total of 2 streams to confluence:

Flow rates before confluence point:

8.048 7.332

Area of streams before confluence:

4.690 4.250

Results of confluence:

Total flow rate = 14.567(CFS)

Time of concentration = 29.338 min.

Effective stream area after confluence = 8.940(Ac.)

++++
Process from Point/Station 105.000 to Point/Station 106.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 192.940(Ft.)

Top (of initial area) elevation = 1585.010(Ft.)

Bottom (of initial area) elevation = 1584.410(Ft.)

Difference in elevation = 0.600(Ft.)

Slope = 0.00311 s(percent)= 0.31

TC = $k(0.530)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$

Initial area time of concentration = 13.801 min.

Rainfall intensity = 2.502(In/Hr) for a 100.0 year storm

UNDEVELOPED (poor cover) subarea

Runoff Coefficient = 0.872

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 1.000

Decimal fraction soil group D = 0.000

RI index for soil(AMC 3) = 94.40

Pervious area fraction = 1.000; Impervious fraction = 0.000

Initial subarea runoff = 0.720(CFS)

Total initial stream area = 0.330(Ac.)

Pervious area fraction = 1.000

End of computations, total study area = 9.27 (Ac.)

The following figures may

be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000

Area averaged RI index number = 86.0

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/25/24 File:249.out

Cottonwood Apartments
Rational Method
Post Development
10 yr

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Sunnymead-Moreno] area used.

10 year storm 10 minute intensity = 2.010(In/Hr)

10 year storm 60 minute intensity = 0.820(In/Hr)

100 year storm 10 minute intensity = 2.940(In/Hr)

100 year storm 60 minute intensity = 1.200(In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.820(In/Hr)

Slope of intensity duration curve = 0.5000

+++++
Process from Point/Station 200.000 to Point/Station 201.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 490.950(Ft.)

Top (of initial area) elevation = 1587.840(Ft.)

Bottom (of initial area) elevation = 1585.210(Ft.)

Difference in elevation = 2.630(Ft.)
Slope = 0.00536 s(percent)= 0.54
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 10.961 min.
Rainfall intensity = 1.919(In/Hr) for a 10.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 69.00
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 1.957(CFS)
Total initial stream area = 1.190(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 200.000 to Point/Station 203.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 464.680(Ft.)
Top (of initial area) elevation = 1587.840(Ft.)
Bottom (of initial area) elevation = 1585.170(Ft.)
Difference in elevation = 2.670(Ft.)
Slope = 0.00575 s(percent)= 0.57
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 10.573 min.
Rainfall intensity = 1.953(In/Hr) for a 10.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 69.00
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 3.770(CFS)
Total initial stream area = 2.250(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 205.000 to Point/Station 206.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 553.410(Ft.)
Top (of initial area) elevation = 1584.770(Ft.)
Bottom (of initial area) elevation = 1582.450(Ft.)

Difference in elevation = 2.320(Ft.)
Slope = 0.00419 s(percent)= 0.42
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 12.076 min.
Rainfall intensity = 1.828(In/Hr) for a 10.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.856
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 69.00
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 4.785(CFS)
Total initial stream area = 3.060(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 208.000 to Point/Station 209.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 512.710(Ft.)
Top (of initial area) elevation = 1586.460(Ft.)
Bottom (of initial area) elevation = 1580.000(Ft.)
Difference in elevation = 6.460(Ft.)
Slope = 0.01260 s(percent)= 1.26
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 9.399 min.
Rainfall intensity = 2.072(In/Hr) for a 10.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.860
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 69.00
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 4.346(CFS)
Total initial stream area = 2.440(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 210.000 to Point/Station 211.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 123.510(Ft.)
Top (of initial area) elevation = 1585.740(Ft.)
Bottom (of initial area) elevation = 1583.790(Ft.)

Difference in elevation = 1.950(Ft.)
 Slope = 0.01579 s(percent)= 1.58
 $TC = k(0.323)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 5.084 min.
 Rainfall intensity = 2.817(In/Hr) for a 10.0 year storm
 APARTMENT subarea type
 Runoff Coefficient = 0.868
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 69.00
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Initial subarea runoff = 0.807(CFS)
 Total initial stream area = 0.330(Ac.)
 Pervious area fraction = 0.200
 End of computations, total study area = 9.27 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(A_p) = 0.200
 Area averaged RI index number = 69.0

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/25/24 File:249.out

Cottonwood Apartments
Rational Method
Post Development
100 yr

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

Standard intensity-duration curves data (Plate D-4.1)

For the [Sunnymead-Moreno] area used.

10 year storm 10 minute intensity = 2.010(In/Hr)

10 year storm 60 minute intensity = 0.820(In/Hr)

100 year storm 10 minute intensity = 2.940(In/Hr)

100 year storm 60 minute intensity = 1.200(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.200(In/Hr)

Slope of intensity duration curve = 0.5000

+++++
Process from Point/Station 200.000 to Point/Station 201.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 490.950(Ft.)

Top (of initial area) elevation = 1587.840(Ft.)

Bottom (of initial area) elevation = 1585.210(Ft.)

Difference in elevation = 2.630(Ft.)
Slope = 0.00536 s(percent)= 0.54
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 10.961 min.
Rainfall intensity = 2.808(In/Hr) for a 100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 84.40
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 2.958(CFS)
Total initial stream area = 1.190(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 200.000 to Point/Station 203.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 464.680(Ft.)
Top (of initial area) elevation = 1587.840(Ft.)
Bottom (of initial area) elevation = 1585.170(Ft.)
Difference in elevation = 2.670(Ft.)
Slope = 0.00575 s(percent)= 0.57
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 10.573 min.
Rainfall intensity = 2.859(In/Hr) for a 100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.886
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 84.40
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 5.697(CFS)
Total initial stream area = 2.250(Ac.)
Pervious area fraction = 0.200

++++
Process from Point/Station 205.000 to Point/Station 206.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 553.410(Ft.)
Top (of initial area) elevation = 1584.770(Ft.)
Bottom (of initial area) elevation = 1582.450(Ft.)

Difference in elevation = 2.320(Ft.)
Slope = 0.00419 s(percent)= 0.42
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 12.076 min.
Rainfall intensity = 2.675(In/Hr) for a 100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 84.40
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 7.242(CFS)
Total initial stream area = 3.060(Ac.)
Pervious area fraction = 0.200

+++++
Process from Point/Station 208.000 to Point/Station 209.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 512.710(Ft.)
Top (of initial area) elevation = 1586.460(Ft.)
Bottom (of initial area) elevation = 1580.000(Ft.)
Difference in elevation = 6.460(Ft.)
Slope = 0.01260 s(percent)= 1.26
TC = $k(0.323)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 9.399 min.
Rainfall intensity = 3.032(In/Hr) for a 100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.886
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 84.40
Pervious area fraction = 0.200; Impervious fraction = 0.800
Initial subarea runoff = 6.558(CFS)
Total initial stream area = 2.440(Ac.)
Pervious area fraction = 0.200

+++++
Process from Point/Station 210.000 to Point/Station 211.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 123.510(Ft.)
Top (of initial area) elevation = 1585.740(Ft.)
Bottom (of initial area) elevation = 1583.790(Ft.)

Difference in elevation = 1.950(Ft.)
 Slope = 0.01579 s(percent)= 1.58
 $TC = k(0.323)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 5.084 min.
 Rainfall intensity = 4.122(In/Hr) for a 100.0 year storm
 APARTMENT subarea type
 Runoff Coefficient = 0.890
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 1.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 3) = 84.40
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Initial subarea runoff = 1.211(CFS)
 Total initial stream area = 0.330(Ac.)
 Pervious area fraction = 0.200
 End of computations, total study area = 9.27 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(A_p) = 0.200
 Area averaged RI index number = 69.0

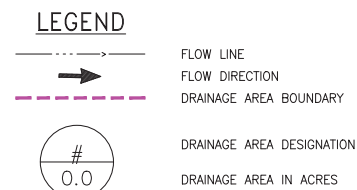
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HYDROLOGY MAP

Pre-Development Exhibit

Post Development Exhibit

Post Development Unit Hydrology Graph Exhibit



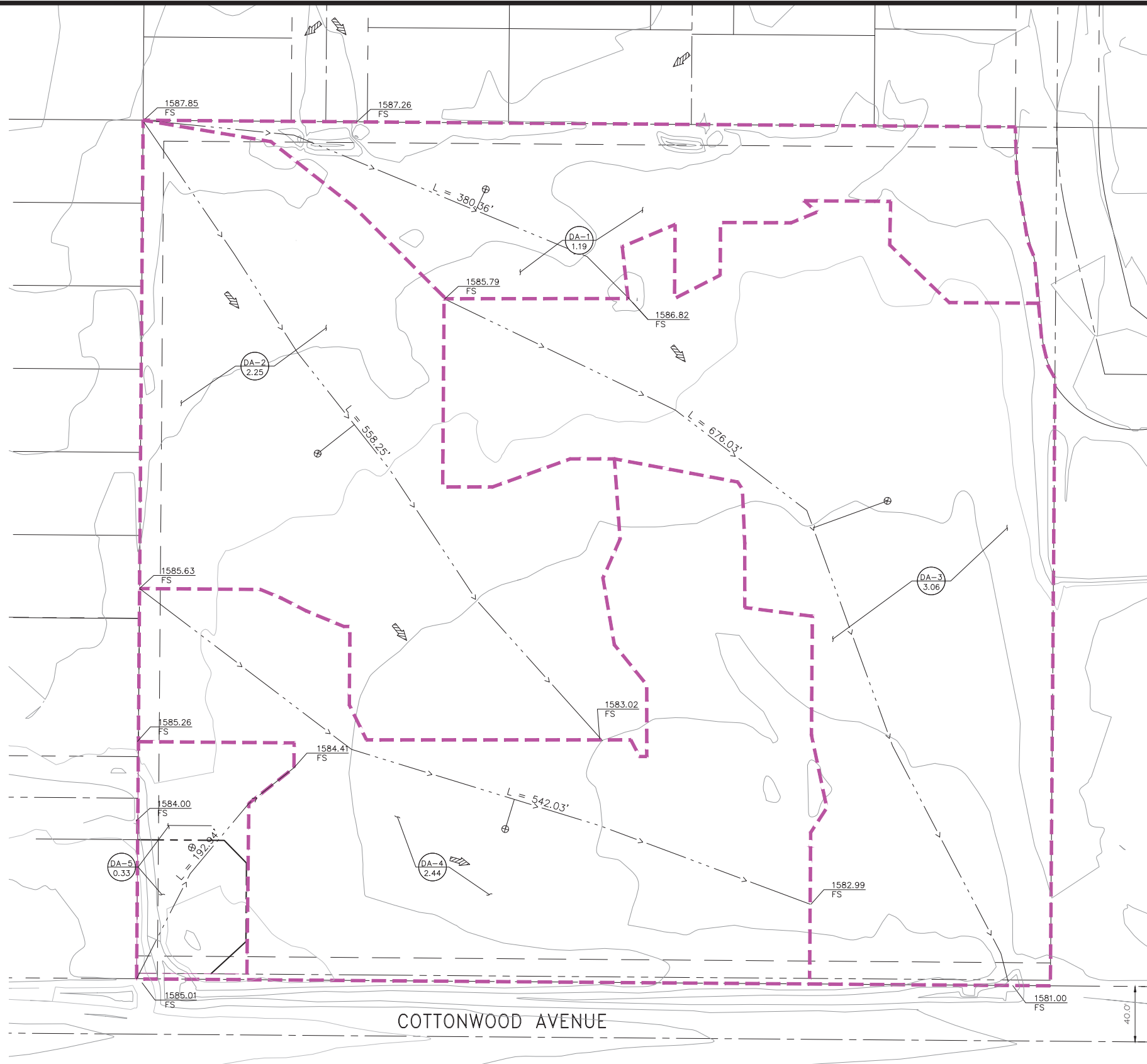
SCALE
80 0 40 80 1
(FEET)
1 INCH = 80 FT.

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SHEET 7 OF 9
CITY ID No



LEGEND

—→— FLOW LINE
→ FLOW DIRECTION
- - - DRAINAGE AREA BOUNDARY

⊕

0.0

DRAINAGE AREA DESIGNATION
DRAINAGE AREA IN ACRES

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

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(FEET)
1 INCH = 80 FT.

REVIEW BY CITY STAFF	BENCHMARK	BASIS OF BEARING	CITY OF MORENO VALLEY ACCEPTED BY:					ENGINEER OF RECORD'S SEAL	BLUE ENGINEERING 10535 FOOTHILL BLVD SUITE 440 RANCHO CUCAMONGA, CA, 91730 YOUR LAND DEVELOPMENT CONSULTANTS		CITY OF MORENO VALLEY	
		THE BEARING OF N 89°33'40" W FOR THE CENTERLINE OF DRACEA AVENUE AS SHOWN ON TRACT NO. 7755-1 FILED IN BOOK 96 PAGES 15-17 OF RIVERSIDE COUNTY RECORDS; WAS USED AS THE BASIS OF BEARINGS FOR THIS SURVEY.							UNDER THE SUPERVISION OF:		PRE HYDROLOGY DEVELOPMENT-UH COTTONWOOD APARTMENTS DEVELOPMENT	
									ANGEL CESAR RCE 87222		DATE	
			MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR/DATE				
					E.O.R.	REVISION						

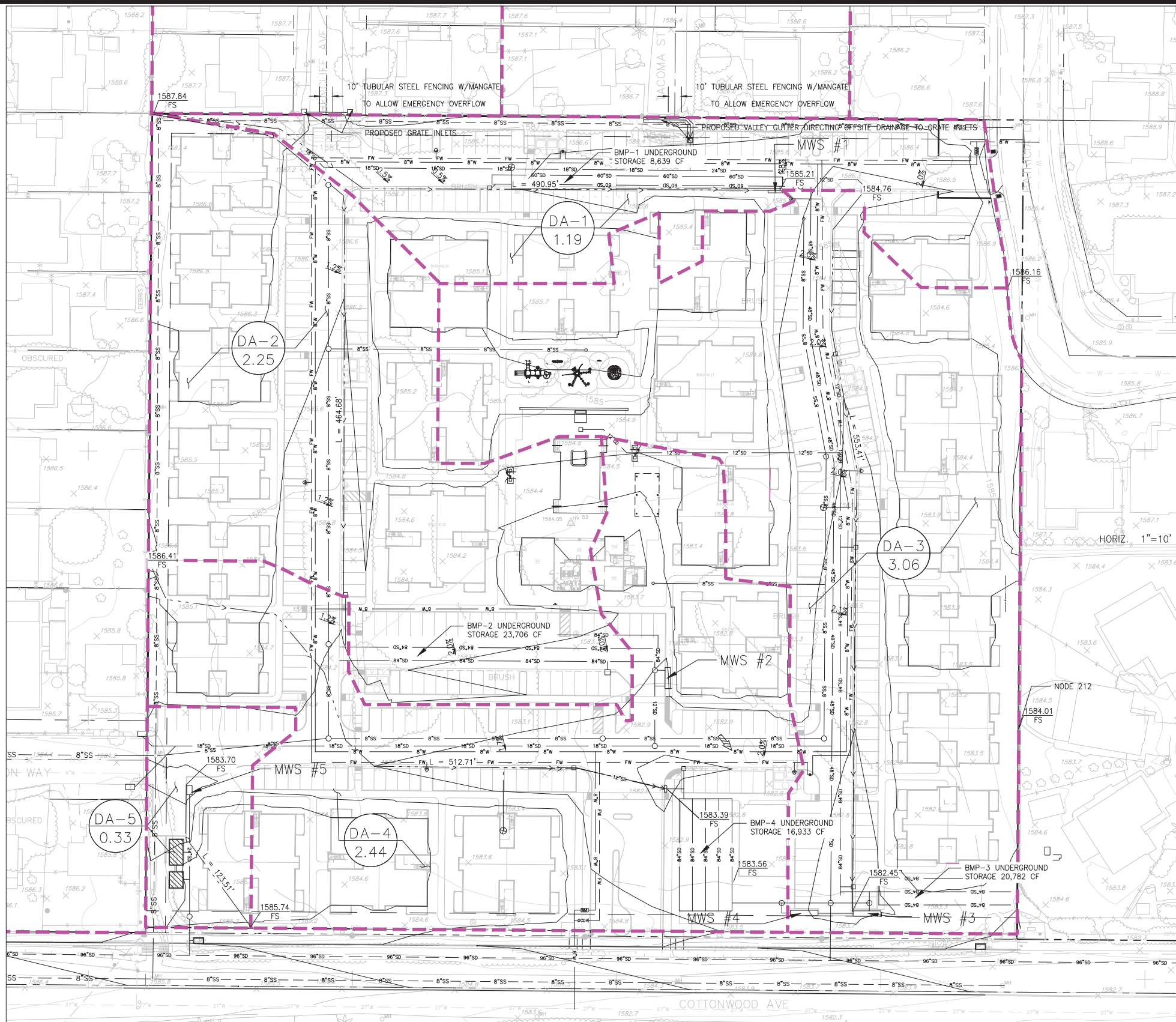


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SHEET 8 OF 9
CITY ID No

LEGEND

- FLOW LINE
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY
- DRAINAGE AREA DESIGNATION
- DRAINAGE AREA



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REVIEW BY CITY STAFF

BENCHMARK

BASIS OF BEARING

THE BEARING OF N 89°33'40" W FOR THE CENTERLINE OF DRAVEA AVENUE AS SHOWN ON TRACT NO. 7755-1 FILED IN BOOK 96 PAGES 15-17 OF RIVERSIDE COUNTY RECORDS; WAS USED AS THE BASIS OF BEARINGS FOR THIS SURVEY.

MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR/DATE
		E.O.R.	REVISION		

CITY OF MORENO VALLEY
ACCEPTED BY:

ENGINEER OF
RECORD'S SEAL



UNDER THE SUPERVISION OF:

ANGEL CESAR
RCE 87222

CITY OF MORENO VALLEY

POST-DEVELOPMENT HYDROLOGY-UH
COTTONWOOD APARTMENTS
DEVELOPMENT

SHEET 1 OF 9
CITY ID No

D

Hydraulic Calculation

**UNIT HYDROLOGY METHOD:
BASIN ROUTING:**

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda124100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.129)	0.034	0.004
2	0.17	0.07	0.038	(0.129)	0.034	0.004
3	0.25	0.07	0.038	(0.128)	0.034	0.004
4	0.33	0.10	0.057	(0.128)	0.051	0.006
5	0.42	0.10	0.057	(0.127)	0.051	0.006
6	0.50	0.10	0.057	(0.127)	0.051	0.006
7	0.58	0.10	0.057	(0.126)	0.051	0.006
8	0.67	0.10	0.057	(0.126)	0.051	0.006
9	0.75	0.10	0.057	(0.125)	0.051	0.006
10	0.83	0.13	0.075	(0.125)	0.068	0.008
11	0.92	0.13	0.075	(0.124)	0.068	0.008
12	1.00	0.13	0.075	(0.124)	0.068	0.008
13	1.08	0.10	0.057	(0.123)	0.051	0.006
14	1.17	0.10	0.057	(0.123)	0.051	0.006
15	1.25	0.10	0.057	(0.122)	0.051	0.006
16	1.33	0.10	0.057	(0.122)	0.051	0.006
17	1.42	0.10	0.057	(0.121)	0.051	0.006
18	1.50	0.10	0.057	(0.121)	0.051	0.006
19	1.58	0.10	0.057	(0.120)	0.051	0.006
20	1.67	0.10	0.057	(0.120)	0.051	0.006
21	1.75	0.10	0.057	(0.119)	0.051	0.006
22	1.83	0.13	0.075	(0.119)	0.068	0.008
23	1.92	0.13	0.075	(0.118)	0.068	0.008
24	2.00	0.13	0.075	(0.118)	0.068	0.008
25	2.08	0.13	0.075	(0.117)	0.068	0.008
26	2.17	0.13	0.075	(0.117)	0.068	0.008
27	2.25	0.13	0.075	(0.116)	0.068	0.008
28	2.33	0.13	0.075	(0.116)	0.068	0.008
29	2.42	0.13	0.075	(0.115)	0.068	0.008
30	2.50	0.13	0.075	(0.115)	0.068	0.008
31	2.58	0.17	0.094	(0.115)	0.085	0.009
32	2.67	0.17	0.094	(0.114)	0.085	0.009
33	2.75	0.17	0.094	(0.114)	0.085	0.009
34	2.83	0.17	0.094	(0.113)	0.085	0.009
35	2.92	0.17	0.094	(0.113)	0.085	0.009
36	3.00	0.17	0.094	(0.112)	0.085	0.009
37	3.08	0.17	0.094	(0.112)	0.085	0.009
38	3.17	0.17	0.094	(0.111)	0.085	0.009
39	3.25	0.17	0.094	(0.111)	0.085	0.009
40	3.33	0.17	0.094	(0.110)	0.085	0.009
41	3.42	0.17	0.094	(0.110)	0.085	0.009
42	3.50	0.17	0.094	(0.109)	0.085	0.009
43	3.58	0.17	0.094	(0.109)	0.085	0.009
44	3.67	0.17	0.094	(0.108)	0.085	0.009

45	3.75	0.17	0.094	(0.108)	0.085	0.009
46	3.83	0.20	0.113	(0.108)	0.102	0.011
47	3.92	0.20	0.113	(0.107)	0.102	0.011
48	4.00	0.20	0.113	(0.107)	0.102	0.011
49	4.08	0.20	0.113	(0.106)	0.102	0.011
50	4.17	0.20	0.113	(0.106)	0.102	0.011
51	4.25	0.20	0.113	(0.105)	0.102	0.011
52	4.33	0.23	0.132	0.105	(0.119)	0.027
53	4.42	0.23	0.132	0.104	(0.119)	0.027
54	4.50	0.23	0.132	0.104	(0.119)	0.028
55	4.58	0.23	0.132	0.104	(0.119)	0.028
56	4.67	0.23	0.132	0.103	(0.119)	0.029
57	4.75	0.23	0.132	0.103	(0.119)	0.029
58	4.83	0.27	0.151	0.102	(0.136)	0.049
59	4.92	0.27	0.151	0.102	(0.136)	0.049
60	5.00	0.27	0.151	0.101	(0.136)	0.049
61	5.08	0.20	0.113	0.101	(0.102)	0.012
62	5.17	0.20	0.113	0.100	(0.102)	0.013
63	5.25	0.20	0.113	0.100	(0.102)	0.013
64	5.33	0.23	0.132	0.100	(0.119)	0.032
65	5.42	0.23	0.132	0.099	(0.119)	0.033
66	5.50	0.23	0.132	0.099	(0.119)	0.033
67	5.58	0.27	0.151	0.098	(0.136)	0.052
68	5.67	0.27	0.151	0.098	(0.136)	0.053
69	5.75	0.27	0.151	0.097	(0.136)	0.053
70	5.83	0.27	0.151	0.097	(0.136)	0.054
71	5.92	0.27	0.151	0.097	(0.136)	0.054
72	6.00	0.27	0.151	0.096	(0.136)	0.055
73	6.08	0.30	0.170	0.096	(0.153)	0.074
74	6.17	0.30	0.170	0.095	(0.153)	0.074
75	6.25	0.30	0.170	0.095	(0.153)	0.075
76	6.33	0.30	0.170	0.094	(0.153)	0.075
77	6.42	0.30	0.170	0.094	(0.153)	0.076
78	6.50	0.30	0.170	0.094	(0.153)	0.076
79	6.58	0.33	0.188	0.093	(0.170)	0.095
80	6.67	0.33	0.188	0.093	(0.170)	0.096
81	6.75	0.33	0.188	0.092	(0.170)	0.096
82	6.83	0.33	0.188	0.092	(0.170)	0.097
83	6.92	0.33	0.188	0.091	(0.170)	0.097
84	7.00	0.33	0.188	0.091	(0.170)	0.097
85	7.08	0.33	0.188	0.091	(0.170)	0.098
86	7.17	0.33	0.188	0.090	(0.170)	0.098
87	7.25	0.33	0.188	0.090	(0.170)	0.099
88	7.33	0.37	0.207	0.089	(0.187)	0.118
89	7.42	0.37	0.207	0.089	(0.187)	0.118
90	7.50	0.37	0.207	0.089	(0.187)	0.119
91	7.58	0.40	0.226	0.088	(0.203)	0.138
92	7.67	0.40	0.226	0.088	(0.203)	0.138
93	7.75	0.40	0.226	0.087	(0.203)	0.139
94	7.83	0.43	0.245	0.087	(0.220)	0.158

95	7.92	0.43	0.245	0.087	(0.220)	0.158
96	8.00	0.43	0.245	0.086	(0.220)	0.159
97	8.08	0.50	0.283	0.086	(0.254)	0.197
98	8.17	0.50	0.283	0.085	(0.254)	0.197
99	8.25	0.50	0.283	0.085	(0.254)	0.198
100	8.33	0.50	0.283	0.085	(0.254)	0.198
101	8.42	0.50	0.283	0.084	(0.254)	0.198
102	8.50	0.50	0.283	0.084	(0.254)	0.199
103	8.58	0.53	0.301	0.083	(0.271)	0.218
104	8.67	0.53	0.301	0.083	(0.271)	0.218
105	8.75	0.53	0.301	0.083	(0.271)	0.219
106	8.83	0.57	0.320	0.082	(0.288)	0.238
107	8.92	0.57	0.320	0.082	(0.288)	0.238
108	9.00	0.57	0.320	0.081	(0.288)	0.239
109	9.08	0.63	0.358	0.081	(0.322)	0.277
110	9.17	0.63	0.358	0.081	(0.322)	0.277
111	9.25	0.63	0.358	0.080	(0.322)	0.278
112	9.33	0.67	0.377	0.080	(0.339)	0.297
113	9.42	0.67	0.377	0.080	(0.339)	0.297
114	9.50	0.67	0.377	0.079	(0.339)	0.298
115	9.58	0.70	0.396	0.079	(0.356)	0.317
116	9.67	0.70	0.396	0.078	(0.356)	0.317
117	9.75	0.70	0.396	0.078	(0.356)	0.318
118	9.83	0.73	0.414	0.078	(0.373)	0.337
119	9.92	0.73	0.414	0.077	(0.373)	0.337
120	10.00	0.73	0.414	0.077	(0.373)	0.338
121	10.08	0.50	0.283	0.077	(0.254)	0.206
122	10.17	0.50	0.283	0.076	(0.254)	0.206
123	10.25	0.50	0.283	0.076	(0.254)	0.207
124	10.33	0.50	0.283	0.075	(0.254)	0.207
125	10.42	0.50	0.283	0.075	(0.254)	0.208
126	10.50	0.50	0.283	0.075	(0.254)	0.208
127	10.58	0.67	0.377	0.074	(0.339)	0.302
128	10.67	0.67	0.377	0.074	(0.339)	0.303
129	10.75	0.67	0.377	0.074	(0.339)	0.303
130	10.83	0.67	0.377	0.073	(0.339)	0.304
131	10.92	0.67	0.377	0.073	(0.339)	0.304
132	11.00	0.67	0.377	0.072	(0.339)	0.304
133	11.08	0.63	0.358	0.072	(0.322)	0.286
134	11.17	0.63	0.358	0.072	(0.322)	0.286
135	11.25	0.63	0.358	0.071	(0.322)	0.287
136	11.33	0.63	0.358	0.071	(0.322)	0.287
137	11.42	0.63	0.358	0.071	(0.322)	0.287
138	11.50	0.63	0.358	0.070	(0.322)	0.288
139	11.58	0.57	0.320	0.070	(0.288)	0.250
140	11.67	0.57	0.320	0.070	(0.288)	0.251
141	11.75	0.57	0.320	0.069	(0.288)	0.251
142	11.83	0.60	0.339	0.069	(0.305)	0.270
143	11.92	0.60	0.339	0.069	(0.305)	0.270
144	12.00	0.60	0.339	0.068	(0.305)	0.271

145	12.08	0.83	0.471	0.068	(0.424)	0.403
146	12.17	0.83	0.471	0.068	(0.424)	0.403
147	12.25	0.83	0.471	0.067	(0.424)	0.404
148	12.33	0.87	0.490	0.067	(0.441)	0.423
149	12.42	0.87	0.490	0.067	(0.441)	0.423
150	12.50	0.87	0.490	0.066	(0.441)	0.424
151	12.58	0.93	0.528	0.066	(0.475)	0.462
152	12.67	0.93	0.528	0.066	(0.475)	0.462
153	12.75	0.93	0.528	0.065	(0.475)	0.462
154	12.83	0.97	0.546	0.065	(0.492)	0.481
155	12.92	0.97	0.546	0.065	(0.492)	0.482
156	13.00	0.97	0.546	0.064	(0.492)	0.482
157	13.08	1.13	0.641	0.064	(0.577)	0.577
158	13.17	1.13	0.641	0.064	(0.577)	0.577
159	13.25	1.13	0.641	0.063	(0.577)	0.577
160	13.33	1.13	0.641	0.063	(0.577)	0.578
161	13.42	1.13	0.641	0.063	(0.577)	0.578
162	13.50	1.13	0.641	0.062	(0.577)	0.578
163	13.58	0.77	0.433	0.062	(0.390)	0.371
164	13.67	0.77	0.433	0.062	(0.390)	0.372
165	13.75	0.77	0.433	0.061	(0.390)	0.372
166	13.83	0.77	0.433	0.061	(0.390)	0.372
167	13.92	0.77	0.433	0.061	(0.390)	0.373
168	14.00	0.77	0.433	0.060	(0.390)	0.373
169	14.08	0.90	0.509	0.060	(0.458)	0.449
170	14.17	0.90	0.509	0.060	(0.458)	0.449
171	14.25	0.90	0.509	0.060	(0.458)	0.449
172	14.33	0.87	0.490	0.059	(0.441)	0.431
173	14.42	0.87	0.490	0.059	(0.441)	0.431
174	14.50	0.87	0.490	0.059	(0.441)	0.431
175	14.58	0.87	0.490	0.058	(0.441)	0.431
176	14.67	0.87	0.490	0.058	(0.441)	0.432
177	14.75	0.87	0.490	0.058	(0.441)	0.432
178	14.83	0.83	0.471	0.057	(0.424)	0.414
179	14.92	0.83	0.471	0.057	(0.424)	0.414
180	15.00	0.83	0.471	0.057	(0.424)	0.414
181	15.08	0.80	0.452	0.057	(0.407)	0.396
182	15.17	0.80	0.452	0.056	(0.407)	0.396
183	15.25	0.80	0.452	0.056	(0.407)	0.396
184	15.33	0.77	0.433	0.056	(0.390)	0.378
185	15.42	0.77	0.433	0.055	(0.390)	0.378
186	15.50	0.77	0.433	0.055	(0.390)	0.378
187	15.58	0.63	0.358	0.055	(0.322)	0.303
188	15.67	0.63	0.358	0.055	(0.322)	0.303
189	15.75	0.63	0.358	0.054	(0.322)	0.304
190	15.83	0.63	0.358	0.054	(0.322)	0.304
191	15.92	0.63	0.358	0.054	(0.322)	0.304
192	16.00	0.63	0.358	0.053	(0.322)	0.304
193	16.08	0.13	0.075	0.053	(0.068)	0.022
194	16.17	0.13	0.075	0.053	(0.068)	0.022

195	16.25	0.13	0.075	0.053	(0.068)	0.023
196	16.33	0.13	0.075	0.052	(0.068)	0.023
197	16.42	0.13	0.075	0.052	(0.068)	0.023
198	16.50	0.13	0.075	0.052	(0.068)	0.024
199	16.58	0.10	0.057	(0.052)	0.051	0.006
200	16.67	0.10	0.057	(0.051)	0.051	0.006
201	16.75	0.10	0.057	(0.051)	0.051	0.006
202	16.83	0.10	0.057	0.051	(0.051)	0.006
203	16.92	0.10	0.057	0.051	(0.051)	0.006
204	17.00	0.10	0.057	0.050	(0.051)	0.006
205	17.08	0.17	0.094	0.050	(0.085)	0.044
206	17.17	0.17	0.094	0.050	(0.085)	0.044
207	17.25	0.17	0.094	0.050	(0.085)	0.045
208	17.33	0.17	0.094	0.049	(0.085)	0.045
209	17.42	0.17	0.094	0.049	(0.085)	0.045
210	17.50	0.17	0.094	0.049	(0.085)	0.045
211	17.58	0.17	0.094	0.049	(0.085)	0.046
212	17.67	0.17	0.094	0.048	(0.085)	0.046
213	17.75	0.17	0.094	0.048	(0.085)	0.046
214	17.83	0.13	0.075	0.048	(0.068)	0.028
215	17.92	0.13	0.075	0.048	(0.068)	0.028
216	18.00	0.13	0.075	0.047	(0.068)	0.028
217	18.08	0.13	0.075	0.047	(0.068)	0.028
218	18.17	0.13	0.075	0.047	(0.068)	0.028
219	18.25	0.13	0.075	0.047	(0.068)	0.029
220	18.33	0.13	0.075	0.046	(0.068)	0.029
221	18.42	0.13	0.075	0.046	(0.068)	0.029
222	18.50	0.13	0.075	0.046	(0.068)	0.029
223	18.58	0.10	0.057	0.046	(0.051)	0.011
224	18.67	0.10	0.057	0.046	(0.051)	0.011
225	18.75	0.10	0.057	0.045	(0.051)	0.011
226	18.83	0.07	0.038	(0.045)	0.034	0.004
227	18.92	0.07	0.038	(0.045)	0.034	0.004
228	19.00	0.07	0.038	(0.045)	0.034	0.004
229	19.08	0.10	0.057	0.044	(0.051)	0.012
230	19.17	0.10	0.057	0.044	(0.051)	0.012
231	19.25	0.10	0.057	0.044	(0.051)	0.012
232	19.33	0.13	0.075	0.044	(0.068)	0.032
233	19.42	0.13	0.075	0.044	(0.068)	0.032
234	19.50	0.13	0.075	0.043	(0.068)	0.032
235	19.58	0.10	0.057	0.043	(0.051)	0.013
236	19.67	0.10	0.057	0.043	(0.051)	0.013
237	19.75	0.10	0.057	0.043	(0.051)	0.014
238	19.83	0.07	0.038	(0.043)	0.034	0.004
239	19.92	0.07	0.038	(0.042)	0.034	0.004
240	20.00	0.07	0.038	(0.042)	0.034	0.004
241	20.08	0.10	0.057	0.042	(0.051)	0.014
242	20.17	0.10	0.057	0.042	(0.051)	0.015
243	20.25	0.10	0.057	0.042	(0.051)	0.015
244	20.33	0.10	0.057	0.042	(0.051)	0.015

245	20.42	0.10	0.057	0.041	(0.051)	0.015
246	20.50	0.10	0.057	0.041	(0.051)	0.015
247	20.58	0.10	0.057	0.041	(0.051)	0.016
248	20.67	0.10	0.057	0.041	(0.051)	0.016
249	20.75	0.10	0.057	0.041	(0.051)	0.016
250	20.83	0.07	0.038	(0.041)	0.034	0.004
251	20.92	0.07	0.038	(0.040)	0.034	0.004
252	21.00	0.07	0.038	(0.040)	0.034	0.004
253	21.08	0.10	0.057	0.040	(0.051)	0.016
254	21.17	0.10	0.057	0.040	(0.051)	0.017
255	21.25	0.10	0.057	0.040	(0.051)	0.017
256	21.33	0.07	0.038	(0.040)	0.034	0.004
257	21.42	0.07	0.038	(0.039)	0.034	0.004
258	21.50	0.07	0.038	(0.039)	0.034	0.004
259	21.58	0.10	0.057	0.039	(0.051)	0.017
260	21.67	0.10	0.057	0.039	(0.051)	0.018
261	21.75	0.10	0.057	0.039	(0.051)	0.018
262	21.83	0.07	0.038	(0.039)	0.034	0.004
263	21.92	0.07	0.038	(0.039)	0.034	0.004
264	22.00	0.07	0.038	(0.038)	0.034	0.004
265	22.08	0.10	0.057	0.038	(0.051)	0.018
266	22.17	0.10	0.057	0.038	(0.051)	0.018
267	22.25	0.10	0.057	0.038	(0.051)	0.018
268	22.33	0.07	0.038	(0.038)	0.034	0.004
269	22.42	0.07	0.038	(0.038)	0.034	0.004
270	22.50	0.07	0.038	(0.038)	0.034	0.004
271	22.58	0.07	0.038	(0.038)	0.034	0.004
272	22.67	0.07	0.038	(0.038)	0.034	0.004
273	22.75	0.07	0.038	(0.037)	0.034	0.004
274	22.83	0.07	0.038	(0.037)	0.034	0.004
275	22.92	0.07	0.038	(0.037)	0.034	0.004
276	23.00	0.07	0.038	(0.037)	0.034	0.004
277	23.08	0.07	0.038	(0.037)	0.034	0.004
278	23.17	0.07	0.038	(0.037)	0.034	0.004
279	23.25	0.07	0.038	(0.037)	0.034	0.004
280	23.33	0.07	0.038	(0.037)	0.034	0.004
281	23.42	0.07	0.038	(0.037)	0.034	0.004
282	23.50	0.07	0.038	(0.037)	0.034	0.004
283	23.58	0.07	0.038	(0.037)	0.034	0.004
284	23.67	0.07	0.038	(0.037)	0.034	0.004
285	23.75	0.07	0.038	(0.036)	0.034	0.004
286	23.83	0.07	0.038	(0.036)	0.034	0.004
287	23.92	0.07	0.038	(0.036)	0.034	0.004
288	24.00	0.07	0.038	(0.036)	0.034	0.004

(Loss Rate Not Used)

Sum = 100.0

Sum = 38.1

Flood volume = Effective rainfall 3.18(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)

Total soil loss = 1.53(In)

Total soil loss = 0.152(Ac.Ft)

Total rainfall = 4.71(In)
 Flood volume = 13723.8 Cubic Feet
 Total soil loss = 6622.0 Cubic Feet

 Peak flow rate of this hydrograph = 0.693(CFS)

+++++
 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.00	Q				
0+20	0.0001	0.01	Q				
0+25	0.0001	0.01	Q				
0+30	0.0002	0.01	Q				
0+35	0.0002	0.01	Q				
0+40	0.0003	0.01	Q				
0+45	0.0003	0.01	Q				
0+50	0.0004	0.01	Q				
0+55	0.0004	0.01	Q				
1+ 0	0.0005	0.01	Q				
1+ 5	0.0006	0.01	Q				
1+10	0.0006	0.01	Q				
1+15	0.0007	0.01	Q				
1+20	0.0007	0.01	Q				
1+25	0.0008	0.01	Q				
1+30	0.0008	0.01	Q				
1+35	0.0008	0.01	Q				
1+40	0.0009	0.01	Q				
1+45	0.0009	0.01	Q				
1+50	0.0010	0.01	Q				
1+55	0.0011	0.01	Q				
2+ 0	0.0011	0.01	Q				
2+ 5	0.0012	0.01	Q				
2+10	0.0012	0.01	Q				
2+15	0.0013	0.01	Q				
2+20	0.0014	0.01	Q				
2+25	0.0014	0.01	Q				
2+30	0.0015	0.01	Q				
2+35	0.0016	0.01	Q				
2+40	0.0016	0.01	Q				
2+45	0.0017	0.01	Q				
2+50	0.0018	0.01	Q				
2+55	0.0019	0.01	Q				

3+ 0	0.0019	0.01	Q
3+ 5	0.0020	0.01	Q
3+10	0.0021	0.01	Q
3+15	0.0022	0.01	Q
3+20	0.0023	0.01	Q
3+25	0.0023	0.01	Q
3+30	0.0024	0.01	Q
3+35	0.0025	0.01	Q
3+40	0.0026	0.01	Q
3+45	0.0026	0.01	Q
3+50	0.0027	0.01	Q
3+55	0.0028	0.01	Q
4+ 0	0.0029	0.01	Q
4+ 5	0.0030	0.01	Q
4+10	0.0031	0.01	Q
4+15	0.0032	0.01	Q
4+20	0.0033	0.02	Q
4+25	0.0035	0.03	Q
4+30	0.0038	0.03	Q
4+35	0.0040	0.03	Q
4+40	0.0042	0.03	Q
4+45	0.0045	0.03	Q
4+50	0.0048	0.04	Q
4+55	0.0052	0.05	Q
5+ 0	0.0055	0.06	Q
5+ 5	0.0058	0.04	Q
5+10	0.0060	0.02	Q
5+15	0.0061	0.02	Q
5+20	0.0063	0.03	Q
5+25	0.0065	0.04	Q
5+30	0.0068	0.04	Q
5+35	0.0071	0.05	Q
5+40	0.0075	0.06	Q
5+45	0.0080	0.06	QV
5+50	0.0084	0.06	QV
5+55	0.0088	0.06	QV
6+ 0	0.0093	0.07	QV
6+ 5	0.0098	0.07	QV
6+10	0.0104	0.09	QV
6+15	0.0110	0.09	QV
6+20	0.0116	0.09	QV
6+25	0.0122	0.09	QV
6+30	0.0129	0.09	QV
6+35	0.0136	0.10	QV
6+40	0.0143	0.11	QV
6+45	0.0151	0.11	QV
6+50	0.0159	0.12	Q V
6+55	0.0167	0.12	Q V
7+ 0	0.0175	0.12	Q V
7+ 5	0.0183	0.12	Q V

7+10	0.0191	0.12	Q V				
7+15	0.0199	0.12	Q V				
7+20	0.0208	0.13	Q V				
7+25	0.0218	0.14	Q V				
7+30	0.0227	0.14	Q V				
7+35	0.0238	0.15	Q V				
7+40	0.0249	0.16	Q V				
7+45	0.0260	0.16	Q V				
7+50	0.0272	0.18	Q V				
7+55	0.0285	0.19	Q V				
8+ 0	0.0298	0.19	Q V				
8+ 5	0.0312	0.21	Q V				
8+10	0.0328	0.23	Q V				
8+15	0.0344	0.23	Q V				
8+20	0.0361	0.24	Q V				
8+25	0.0377	0.24	Q V				
8+30	0.0393	0.24	Q V				
8+35	0.0410	0.25	Q V				
8+40	0.0428	0.26	Q V				
8+45	0.0446	0.26	Q V				
8+50	0.0465	0.27	Q V				
8+55	0.0484	0.28	Q V				
9+ 0	0.0504	0.28	Q V				
9+ 5	0.0525	0.30	Q V				
9+10	0.0547	0.33	Q V				
9+15	0.0570	0.33	Q V				
9+20	0.0594	0.34	Q V				
9+25	0.0618	0.35	Q V				
9+30	0.0643	0.36	Q V				
9+35	0.0668	0.37	Q V				
9+40	0.0694	0.38	Q V				
9+45	0.0720	0.38	Q V				
9+50	0.0747	0.39	Q V				
9+55	0.0774	0.40	Q V				
10+ 0	0.0802	0.40	Q V				
10+ 5	0.0826	0.34	Q V				
10+10	0.0844	0.27	Q V				
10+15	0.0862	0.26	Q V				
10+20	0.0879	0.25	Q V				
10+25	0.0896	0.25	Q V				
10+30	0.0913	0.25	Q V				
10+35	0.0934	0.30	Q V				
10+40	0.0958	0.35	Q V				
10+45	0.0982	0.36	Q V				
10+50	0.1007	0.36	Q V				
10+55	0.1032	0.36	Q V				
11+ 0	0.1057	0.36	Q V				
11+ 5	0.1082	0.36	Q V				
11+10	0.1106	0.35	Q V				
11+15	0.1130	0.34	Q V				

11+20	0.1153	0.34	Q	V			
11+25	0.1177	0.34	Q	V			
11+30	0.1201	0.34	Q	V			
11+35	0.1223	0.33	Q	V			
11+40	0.1244	0.31	Q	V			
11+45	0.1265	0.30	Q	V			
11+50	0.1287	0.31	Q	V			
11+55	0.1309	0.32	Q	V			
12+ 0	0.1331	0.32	Q	V			
12+ 5	0.1358	0.39	Q	V			
12+10	0.1389	0.46	Q	V			
12+15	0.1422	0.48	Q	V			
12+20	0.1456	0.49	Q	V			
12+25	0.1491	0.50	Q	V			
12+30	0.1526	0.51	Q	V			
12+35	0.1562	0.53	Q	V			
12+40	0.1600	0.55	Q	V			
12+45	0.1638	0.55	Q	V			
12+50	0.1676	0.56	Q	V			
12+55	0.1716	0.57	Q	V			
13+ 0	0.1756	0.58	Q	V			
13+ 5	0.1799	0.62	Q	V			
13+10	0.1845	0.68	Q	V			
13+15	0.1892	0.69	Q	V			
13+20	0.1940	0.69	Q	V			
13+25	0.1988	0.69	Q	V			
13+30	0.2035	0.69	Q	V			
13+35	0.2076	0.59	Q	V			
13+40	0.2110	0.48	Q	V			
13+45	0.2141	0.46	Q	V			
13+50	0.2172	0.45	Q	V			
13+55	0.2203	0.45	Q	V			
14+ 0	0.2234	0.45	Q	V			
14+ 5	0.2267	0.48	Q	V			
14+10	0.2303	0.52	Q	V			
14+15	0.2340	0.53	Q	V			
14+20	0.2376	0.53	Q	V			
14+25	0.2412	0.52	Q	V			
14+30	0.2448	0.52	Q	V			
14+35	0.2484	0.52	Q	V			
14+40	0.2519	0.52	Q	V			
14+45	0.2555	0.52	Q	V			
14+50	0.2590	0.51	Q	V			
14+55	0.2624	0.50	Q	V			
15+ 0	0.2659	0.50	Q	V			
15+ 5	0.2692	0.49	Q	V			
15+10	0.2725	0.48	Q	V			
15+15	0.2758	0.48	Q	V			
15+20	0.2790	0.47	Q	V			
15+25	0.2822	0.46	Q	V			

15+30	0.2853	0.45	Q				V
15+35	0.2882	0.42	Q				V
15+40	0.2908	0.38	Q				V
15+45	0.2933	0.37	Q				V
15+50	0.2958	0.37	Q				V
15+55	0.2983	0.36	Q				V
16+ 0	0.3009	0.37	Q				V
16+ 5	0.3024	0.23	Q				V
16+10	0.3030	0.08	Q				V
16+15	0.3033	0.05	Q				V
16+20	0.3035	0.03	Q				V
16+25	0.3037	0.03	Q				V
16+30	0.3039	0.03	Q				V
16+35	0.3040	0.02	Q				V
16+40	0.3041	0.01	Q				V
16+45	0.3041	0.01	Q				V
16+50	0.3042	0.01	Q				V
16+55	0.3042	0.01	Q				V
17+ 0	0.3043	0.01	Q				V
17+ 5	0.3045	0.03	Q				V
17+10	0.3048	0.05	Q				V
17+15	0.3051	0.05	Q				V
17+20	0.3055	0.05	Q				V
17+25	0.3059	0.05	Q				V
17+30	0.3062	0.05	Q				V
17+35	0.3066	0.05	Q				V
17+40	0.3070	0.05	Q				V
17+45	0.3074	0.06	Q				V
17+50	0.3077	0.05	Q				V
17+55	0.3079	0.04	Q				V
18+ 0	0.3082	0.03	Q				V
18+ 5	0.3084	0.03	Q				V
18+10	0.3087	0.03	Q				V
18+15	0.3089	0.03	Q				V
18+20	0.3091	0.03	Q				V
18+25	0.3094	0.03	Q				V
18+30	0.3096	0.04	Q				V
18+35	0.3098	0.03	Q				V
18+40	0.3099	0.02	Q				V
18+45	0.3100	0.01	Q				V
18+50	0.3101	0.01	Q				V
18+55	0.3101	0.01	Q				V
19+ 0	0.3101	0.01	Q				V
19+ 5	0.3102	0.01	Q				V
19+10	0.3103	0.01	Q				V
19+15	0.3104	0.01	Q				V
19+20	0.3106	0.02	Q				V
19+25	0.3108	0.03	Q				V
19+30	0.3111	0.04	Q				V
19+35	0.3112	0.03	Q				V

19+40	0.3114	0.02	Q				V
19+45	0.3115	0.02	Q				V
19+50	0.3116	0.01	Q				V
19+55	0.3116	0.01	Q				V
20+ 0	0.3117	0.01	Q				V
20+ 5	0.3117	0.01	Q				V
20+10	0.3118	0.02	Q				V
20+15	0.3120	0.02	Q				V
20+20	0.3121	0.02	Q				V
20+25	0.3122	0.02	Q				V
20+30	0.3123	0.02	Q				V
20+35	0.3125	0.02	Q				V
20+40	0.3126	0.02	Q				V
20+45	0.3127	0.02	Q				V
20+50	0.3128	0.01	Q				V
20+55	0.3128	0.01	Q				V
21+ 0	0.3129	0.01	Q				V
21+ 5	0.3130	0.01	Q				V
21+10	0.3131	0.02	Q				V
21+15	0.3132	0.02	Q				V
21+20	0.3133	0.01	Q				V
21+25	0.3134	0.01	Q				V
21+30	0.3134	0.01	Q				V
21+35	0.3135	0.01	Q				V
21+40	0.3136	0.02	Q				V
21+45	0.3137	0.02	Q				V
21+50	0.3138	0.01	Q				V
21+55	0.3139	0.01	Q				V
22+ 0	0.3139	0.01	Q				V
22+ 5	0.3140	0.01	Q				V
22+10	0.3141	0.02	Q				V
22+15	0.3143	0.02	Q				V
22+20	0.3144	0.01	Q				V
22+25	0.3144	0.01	Q				V
22+30	0.3145	0.01	Q				V
22+35	0.3145	0.00	Q				V
22+40	0.3145	0.00	Q				V
22+45	0.3146	0.00	Q				V
22+50	0.3146	0.00	Q				V
22+55	0.3146	0.00	Q				V
23+ 0	0.3147	0.00	Q				V
23+ 5	0.3147	0.00	Q				V
23+10	0.3147	0.00	Q				V
23+15	0.3147	0.00	Q				V
23+20	0.3148	0.00	Q				V
23+25	0.3148	0.00	Q				V
23+30	0.3148	0.00	Q				V
23+35	0.3149	0.00	Q				V
23+40	0.3149	0.00	Q				V
23+45	0.3149	0.00	Q				V

23+50	0.3150	0.00	Q				V
23+55	0.3150	0.00	Q				V
24+ 0	0.3150	0.00	Q				V
24+ 5	0.3150	0.00	Q				V
24+10	0.3151	0.00	Q				V
24+15	0.3151	0.00	Q				V
24+20	0.3151	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	0.073	(0.143)	0.086
2	0.17	0.60	0.191	0.073	(0.172)	0.118
3	0.25	0.60	0.191	0.073	(0.172)	0.118
4	0.33	0.60	0.191	0.073	(0.172)	0.118
5	0.42	0.60	0.191	0.073	(0.172)	0.118
6	0.50	0.70	0.223	0.073	(0.200)	0.150
7	0.58	0.70	0.223	0.073	(0.200)	0.150
8	0.67	0.70	0.223	0.073	(0.200)	0.150
9	0.75	0.70	0.223	0.073	(0.200)	0.150
10	0.83	0.70	0.223	0.073	(0.200)	0.150
11	0.92	0.70	0.223	0.073	(0.200)	0.150
12	1.00	0.80	0.254	0.073	(0.229)	0.182
13	1.08	0.80	0.254	0.073	(0.229)	0.182
14	1.17	0.80	0.254	0.073	(0.229)	0.182
15	1.25	0.80	0.254	0.073	(0.229)	0.182
16	1.33	0.80	0.254	0.073	(0.229)	0.182
17	1.42	0.80	0.254	0.073	(0.229)	0.182
18	1.50	0.80	0.254	0.073	(0.229)	0.182
19	1.58	0.80	0.254	0.073	(0.229)	0.182
20	1.67	0.80	0.254	0.073	(0.229)	0.182
21	1.75	0.80	0.254	0.073	(0.229)	0.182
22	1.83	0.80	0.254	0.073	(0.229)	0.182
23	1.92	0.80	0.254	0.073	(0.229)	0.182
24	2.00	0.90	0.286	0.073	(0.258)	0.213
25	2.08	0.80	0.254	0.073	(0.229)	0.182
26	2.17	0.90	0.286	0.073	(0.258)	0.213
27	2.25	0.90	0.286	0.073	(0.258)	0.213
28	2.33	0.90	0.286	0.073	(0.258)	0.213
29	2.42	0.90	0.286	0.073	(0.258)	0.213
30	2.50	0.90	0.286	0.073	(0.258)	0.213
31	2.58	0.90	0.286	0.073	(0.258)	0.213
32	2.67	0.90	0.286	0.073	(0.258)	0.213
33	2.75	1.00	0.318	0.073	(0.286)	0.245
34	2.83	1.00	0.318	0.073	(0.286)	0.245
35	2.92	1.00	0.318	0.073	(0.286)	0.245
36	3.00	1.00	0.318	0.073	(0.286)	0.245
37	3.08	1.00	0.318	0.073	(0.286)	0.245
38	3.17	1.10	0.350	0.073	(0.315)	0.277
39	3.25	1.10	0.350	0.073	(0.315)	0.277
40	3.33	1.10	0.350	0.073	(0.315)	0.277
41	3.42	1.20	0.382	0.073	(0.343)	0.309
42	3.50	1.30	0.413	0.073	(0.372)	0.341
43	3.58	1.40	0.445	0.073	(0.401)	0.372
44	3.67	1.40	0.445	0.073	(0.401)	0.372

45	3.75	1.50	0.477	0.073	(0.429)	0.404
46	3.83	1.50	0.477	0.073	(0.429)	0.404
47	3.92	1.60	0.509	0.073	(0.458)	0.436
48	4.00	1.60	0.509	0.073	(0.458)	0.436
49	4.08	1.70	0.541	0.073	(0.487)	0.468
50	4.17	1.80	0.572	0.073	(0.515)	0.500
51	4.25	1.90	0.604	0.073	(0.544)	0.531
52	4.33	2.00	0.636	0.073	(0.572)	0.563
53	4.42	2.10	0.668	0.073	(0.601)	0.595
54	4.50	2.10	0.668	0.073	(0.601)	0.595
55	4.58	2.20	0.700	0.073	(0.630)	0.627
56	4.67	2.30	0.731	0.073	(0.658)	0.659
57	4.75	2.40	0.763	0.073	(0.687)	0.690
58	4.83	2.40	0.763	0.073	(0.687)	0.690
59	4.92	2.50	0.795	0.073	(0.715)	0.722
60	5.00	2.60	0.827	0.073	(0.744)	0.754
61	5.08	3.10	0.986	0.073	(0.887)	0.913
62	5.17	3.60	1.145	0.073	(1.030)	1.072
63	5.25	3.90	1.240	0.073	(1.116)	1.167
64	5.33	4.20	1.336	0.073	(1.202)	1.263
65	5.42	4.70	1.495	0.073	(1.345)	1.422
66	5.50	5.60	1.781	0.073	(1.603)	1.708
67	5.58	1.90	0.604	0.073	(0.544)	0.531
68	5.67	0.90	0.286	0.073	(0.258)	0.213
69	5.75	0.60	0.191	0.073	(0.172)	0.118
70	5.83	0.50	0.159	0.073	(0.143)	0.086
71	5.92	0.30	0.095	0.073	(0.086)	0.023
72	6.00	0.20	0.064	(0.073)	0.057	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 26.6

Flood volume = Effective rainfall 2.21(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.44(In)
Total soil loss = 0.043(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 9565.9 Cubic Feet
Total soil loss = 1881.2 Cubic Feet

Peak flow rate of this hydrograph = 1.809(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.04	Q				

0+10	0.0010	0.10	Q				
0+15	0.0019	0.13	Q				
0+20	0.0028	0.14	Q				
0+25	0.0038	0.14	Q				
0+30	0.0049	0.16	Q				
0+35	0.0061	0.17	QV				
0+40	0.0073	0.18	QV				
0+45	0.0086	0.18	QV				
0+50	0.0098	0.18	QV				
0+55	0.0110	0.18	Q V				
1+ 0	0.0124	0.20	Q V				
1+ 5	0.0138	0.21	Q V				
1+10	0.0153	0.22	Q V				
1+15	0.0168	0.22	Q V				
1+20	0.0183	0.22	Q V				
1+25	0.0198	0.22	Q V				
1+30	0.0213	0.22	Q V				
1+35	0.0228	0.22	Q V				
1+40	0.0243	0.22	Q V				
1+45	0.0258	0.22	Q V				
1+50	0.0273	0.22	Q V				
1+55	0.0288	0.22	Q V				
2+ 0	0.0304	0.23	Q V				
2+ 5	0.0321	0.23	Q V				
2+10	0.0337	0.24	Q V				
2+15	0.0354	0.25	Q V				
2+20	0.0372	0.25	Q V				
2+25	0.0389	0.26	Q V				
2+30	0.0407	0.26	Q V				
2+35	0.0425	0.26	Q V				
2+40	0.0442	0.26	Q V				
2+45	0.0461	0.27	Q V				
2+50	0.0481	0.29	Q V				
2+55	0.0501	0.29	Q V				
3+ 0	0.0521	0.29	Q V				
3+ 5	0.0541	0.29	Q V				
3+10	0.0563	0.31	Q V				
3+15	0.0585	0.33	Q V				
3+20	0.0608	0.33	Q V				
3+25	0.0632	0.35	Q V				
3+30	0.0658	0.38	Q V				
3+35	0.0687	0.42	Q V				
3+40	0.0717	0.44	Q V				
3+45	0.0749	0.46	Q V				
3+50	0.0782	0.48	Q V				
3+55	0.0816	0.50	Q V				
4+ 0	0.0851	0.52	Q V				
4+ 5	0.0888	0.54	Q V				
4+10	0.0928	0.57	Q V				
4+15	0.0970	0.61	Q V				

4+20	0.1014	0.64	Q		V			
4+25	0.1061	0.68	Q		V			
4+30	0.1110	0.71	Q		V			
4+35	0.1160	0.73	Q		V			
4+40	0.1212	0.76	Q		V			
4+45	0.1267	0.80	Q		V			
4+50	0.1323	0.82	Q		V			
4+55	0.1381	0.84	Q		V			
5+ 0	0.1442	0.88	Q		V			
5+ 5	0.1509	0.97	Q		V			
5+10	0.1587	1.14	Q		V			
5+15	0.1676	1.29	Q		V			
5+20	0.1774	1.42	Q		V			
5+25	0.1882	1.57	Q		V			
5+30	0.2006	1.81	Q		V			
5+35	0.2104	1.41	Q		V			
5+40	0.2150	0.67	Q		V			
5+45	0.2173	0.34	Q		V			
5+50	0.2186	0.19	Q		V			
5+55	0.2193	0.09	Q		V			
6+ 0	0.2195	0.03	Q		V			
6+ 5	0.2196	0.01	Q		V			
6+10	0.2196	0.00	Q		V			
6+15	0.2196	0.00	Q		V			
6+20	0.2196	0.00	Q		V			

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda13100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.073	(0.275)	0.233
2	0.17	1.30	0.306	0.073	(0.275)	0.233
3	0.25	1.10	0.259	0.073	(0.233)	0.186
4	0.33	1.50	0.353	0.073	(0.318)	0.280
5	0.42	1.50	0.353	0.073	(0.318)	0.280
6	0.50	1.80	0.423	0.073	(0.381)	0.351
7	0.58	1.50	0.353	0.073	(0.318)	0.280
8	0.67	1.80	0.423	0.073	(0.381)	0.351
9	0.75	1.80	0.423	0.073	(0.381)	0.351
10	0.83	1.50	0.353	0.073	(0.318)	0.280
11	0.92	1.60	0.376	0.073	(0.339)	0.304
12	1.00	1.80	0.423	0.073	(0.381)	0.351
13	1.08	2.20	0.517	0.073	(0.466)	0.445
14	1.17	2.20	0.517	0.073	(0.466)	0.445
15	1.25	2.20	0.517	0.073	(0.466)	0.445
16	1.33	2.00	0.470	0.073	(0.423)	0.398
17	1.42	2.60	0.612	0.073	(0.550)	0.539
18	1.50	2.70	0.635	0.073	(0.572)	0.562
19	1.58	2.40	0.564	0.073	(0.508)	0.492
20	1.67	2.70	0.635	0.073	(0.572)	0.562
21	1.75	3.30	0.776	0.073	(0.699)	0.703
22	1.83	3.10	0.729	0.073	(0.656)	0.656
23	1.92	2.90	0.682	0.073	(0.614)	0.609
24	2.00	3.00	0.706	0.073	(0.635)	0.633
25	2.08	3.10	0.729	0.073	(0.656)	0.656
26	2.17	4.20	0.988	0.073	(0.889)	0.915
27	2.25	5.00	1.176	0.073	(1.058)	1.103
28	2.33	3.50	0.823	0.073	(0.741)	0.750
29	2.42	6.80	1.599	0.073	(1.439)	1.527
30	2.50	7.30	1.717	0.073	(1.545)	1.644
31	2.58	8.20	1.929	0.073	(1.736)	1.856
32	2.67	5.90	1.388	0.073	(1.249)	1.315
33	2.75	2.00	0.470	0.073	(0.423)	0.398
34	2.83	1.80	0.423	0.073	(0.381)	0.351
35	2.92	1.80	0.423	0.073	(0.381)	0.351
36	3.00	0.60	0.141	0.073	(0.127)	0.068

(Loss Rate Not Used)

Sum = 100.0

Sum = 20.9

Flood volume = Effective rainfall 1.74(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.22(In)

Total soil loss = 0.022(Ac.Ft)

Total rainfall = 1.96(In)

Flood volume = 7523.1 Cubic Feet

Total soil loss = 943.4 Cubic Feet

Peak flow rate of this hydrograph = 2.011(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0008	0.11	Q				
0+10	0.0024	0.24	Q				
0+15	0.0041	0.24	Q				
0+20	0.0060	0.27	Q				
0+25	0.0082	0.32	Q				
0+30	0.0107	0.37	QV				
0+35	0.0133	0.37	Q V				
0+40	0.0159	0.38	Q V				
0+45	0.0187	0.41	Q V				
0+50	0.0213	0.38	Q V				
0+55	0.0238	0.36	Q V				
1+ 0	0.0265	0.39	Q V				
1+ 5	0.0296	0.46	Q V				
1+10	0.0332	0.51	Q V				
1+15	0.0368	0.53	Q V				
1+20	0.0403	0.51	Q V				
1+25	0.0441	0.55	Q V				
1+30	0.0485	0.64	Q V				
1+35	0.0528	0.63	Q V				
1+40	0.0572	0.63	Q V				
1+45	0.0622	0.73	Q V				
1+50	0.0677	0.79	Q V				
1+55	0.0729	0.76	Q V				
2+ 0	0.0781	0.75	Q V				
2+ 5	0.0834	0.77	Q V				
2+10	0.0897	0.91	Q V				
2+15	0.0975	1.14	Q V				
2+20	0.1051	1.10	Q V				
2+25	0.1142	1.32	Q V				
2+30	0.1264	1.77	Q V				
2+35	0.1403	2.01	Q V				
2+40	0.1534	1.90	Q V				
2+45	0.1617	1.21	Q V				
2+50	0.1662	0.65	Q V				
2+55	0.1696	0.50	Q V				
3+ 0	0.1717	0.30	Q V				
3+ 5	0.1724	0.10	Q V				

3+10	0.1726	0.03	Q				V
3+15	0.1727	0.01	Q				V
3+20	0.1727	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda11100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.073	(0.562)	0.552
2	0.17	4.30	0.640	0.073	(0.576)	0.567
3	0.25	5.00	0.744	0.073	(0.670)	0.671
4	0.33	5.00	0.744	0.073	(0.670)	0.671
5	0.42	5.80	0.863	0.073	(0.777)	0.790
6	0.50	6.50	0.967	0.073	(0.870)	0.894
7	0.58	7.40	1.101	0.073	(0.991)	1.028
8	0.67	8.60	1.280	0.073	(1.152)	1.207
9	0.75	12.30	1.830	0.073	(1.647)	1.757
10	0.83	29.10	4.330	0.073	(3.897)	4.257
11	0.92	6.80	1.012	0.073	(0.911)	0.939
12	1.00	5.00	0.744	0.073	(0.670)	0.671

(Loss Rate Not Used)

Sum = 100.0

Sum = 14.0

Flood volume = Effective rainfall 1.17(In)

times area $1.2(\text{Ac.})/[(\text{In})/(\text{Ft.})] =$ $0.1(\text{Ac.Ft})$

Total soil loss = $0.07(\text{In})$

Total soil loss = 0.007 (Ac.Ft)

Total rainfall = 1.24(In)

Flood volume = 5041.9 Cubic Feet

Total soil loss = 314.5 Cubic Feet

Peak flow rate of this hydrograph = 3.213(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0019	0.27	VQ					
0+10	0.0058	0.57	VQ					
0+15	0.0105	0.69	QV					
0+20	0.0159	0.77	Q V					
0+25	0.0218	0.86	Q V					
0+30	0.0285	0.98	Q V					
0+35	0.0362	1.11	Q	V				
0+40	0.0450	1.29	Q	V				
0+45	0.0565	1.67	Q	V				

0+50	0.0787	3.21				Q			V			
0+55	0.0994	3.00				Q					V	
1+ 0	0.1091	1.42			Q						V	
1+ 5	0.1139	0.70		Q								V
1+10	0.1153	0.20	Q									V
1+15	0.1157	0.05	Q									V
1+20	0.1157	0.01	Q									V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda12410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.311)	0.022	0.002
2	0.17	0.07	0.025	(0.310)	0.022	0.002
3	0.25	0.07	0.025	(0.309)	0.022	0.002
4	0.33	0.10	0.037	(0.308)	0.033	0.004
5	0.42	0.10	0.037	(0.306)	0.033	0.004
6	0.50	0.10	0.037	(0.305)	0.033	0.004
7	0.58	0.10	0.037	(0.304)	0.033	0.004
8	0.67	0.10	0.037	(0.303)	0.033	0.004
9	0.75	0.10	0.037	(0.302)	0.033	0.004
10	0.83	0.13	0.049	(0.301)	0.044	0.005
11	0.92	0.13	0.049	(0.299)	0.044	0.005
12	1.00	0.13	0.049	(0.298)	0.044	0.005
13	1.08	0.10	0.037	(0.297)	0.033	0.004
14	1.17	0.10	0.037	(0.296)	0.033	0.004
15	1.25	0.10	0.037	(0.295)	0.033	0.004
16	1.33	0.10	0.037	(0.293)	0.033	0.004
17	1.42	0.10	0.037	(0.292)	0.033	0.004
18	1.50	0.10	0.037	(0.291)	0.033	0.004
19	1.58	0.10	0.037	(0.290)	0.033	0.004
20	1.67	0.10	0.037	(0.289)	0.033	0.004
21	1.75	0.10	0.037	(0.288)	0.033	0.004
22	1.83	0.13	0.049	(0.287)	0.044	0.005
23	1.92	0.13	0.049	(0.285)	0.044	0.005
24	2.00	0.13	0.049	(0.284)	0.044	0.005
25	2.08	0.13	0.049	(0.283)	0.044	0.005
26	2.17	0.13	0.049	(0.282)	0.044	0.005
27	2.25	0.13	0.049	(0.281)	0.044	0.005
28	2.33	0.13	0.049	(0.280)	0.044	0.005
29	2.42	0.13	0.049	(0.278)	0.044	0.005
30	2.50	0.13	0.049	(0.277)	0.044	0.005
31	2.58	0.17	0.061	(0.276)	0.055	0.006
32	2.67	0.17	0.061	(0.275)	0.055	0.006
33	2.75	0.17	0.061	(0.274)	0.055	0.006
34	2.83	0.17	0.061	(0.273)	0.055	0.006
35	2.92	0.17	0.061	(0.272)	0.055	0.006
36	3.00	0.17	0.061	(0.271)	0.055	0.006
37	3.08	0.17	0.061	(0.269)	0.055	0.006
38	3.17	0.17	0.061	(0.268)	0.055	0.006
39	3.25	0.17	0.061	(0.267)	0.055	0.006
40	3.33	0.17	0.061	(0.266)	0.055	0.006
41	3.42	0.17	0.061	(0.265)	0.055	0.006
42	3.50	0.17	0.061	(0.264)	0.055	0.006
43	3.58	0.17	0.061	(0.263)	0.055	0.006
44	3.67	0.17	0.061	(0.262)	0.055	0.006

45	3.75	0.17	0.061	(0.261)	0.055	0.006
46	3.83	0.20	0.074	(0.259)	0.066	0.007
47	3.92	0.20	0.074	(0.258)	0.066	0.007
48	4.00	0.20	0.074	(0.257)	0.066	0.007
49	4.08	0.20	0.074	(0.256)	0.066	0.007
50	4.17	0.20	0.074	(0.255)	0.066	0.007
51	4.25	0.20	0.074	(0.254)	0.066	0.007
52	4.33	0.23	0.086	(0.253)	0.077	0.009
53	4.42	0.23	0.086	(0.252)	0.077	0.009
54	4.50	0.23	0.086	(0.251)	0.077	0.009
55	4.58	0.23	0.086	(0.250)	0.077	0.009
56	4.67	0.23	0.086	(0.249)	0.077	0.009
57	4.75	0.23	0.086	(0.248)	0.077	0.009
58	4.83	0.27	0.098	(0.246)	0.089	0.010
59	4.92	0.27	0.098	(0.245)	0.089	0.010
60	5.00	0.27	0.098	(0.244)	0.089	0.010
61	5.08	0.20	0.074	(0.243)	0.066	0.007
62	5.17	0.20	0.074	(0.242)	0.066	0.007
63	5.25	0.20	0.074	(0.241)	0.066	0.007
64	5.33	0.23	0.086	(0.240)	0.077	0.009
65	5.42	0.23	0.086	(0.239)	0.077	0.009
66	5.50	0.23	0.086	(0.238)	0.077	0.009
67	5.58	0.27	0.098	(0.237)	0.089	0.010
68	5.67	0.27	0.098	(0.236)	0.089	0.010
69	5.75	0.27	0.098	(0.235)	0.089	0.010
70	5.83	0.27	0.098	(0.234)	0.089	0.010
71	5.92	0.27	0.098	(0.233)	0.089	0.010
72	6.00	0.27	0.098	(0.232)	0.089	0.010
73	6.08	0.30	0.111	(0.231)	0.100	0.011
74	6.17	0.30	0.111	(0.230)	0.100	0.011
75	6.25	0.30	0.111	(0.229)	0.100	0.011
76	6.33	0.30	0.111	(0.228)	0.100	0.011
77	6.42	0.30	0.111	(0.227)	0.100	0.011
78	6.50	0.30	0.111	(0.226)	0.100	0.011
79	6.58	0.33	0.123	(0.225)	0.111	0.012
80	6.67	0.33	0.123	(0.224)	0.111	0.012
81	6.75	0.33	0.123	(0.223)	0.111	0.012
82	6.83	0.33	0.123	(0.222)	0.111	0.012
83	6.92	0.33	0.123	(0.221)	0.111	0.012
84	7.00	0.33	0.123	(0.220)	0.111	0.012
85	7.08	0.33	0.123	(0.219)	0.111	0.012
86	7.17	0.33	0.123	(0.218)	0.111	0.012
87	7.25	0.33	0.123	(0.217)	0.111	0.012
88	7.33	0.37	0.135	(0.216)	0.122	0.014
89	7.42	0.37	0.135	(0.215)	0.122	0.014
90	7.50	0.37	0.135	(0.214)	0.122	0.014
91	7.58	0.40	0.148	(0.213)	0.133	0.015
92	7.67	0.40	0.148	(0.212)	0.133	0.015
93	7.75	0.40	0.148	(0.211)	0.133	0.015
94	7.83	0.43	0.160	(0.210)	0.144	0.016

95	7.92	0.43	0.160	(0.209)	0.144	0.016
96	8.00	0.43	0.160	(0.208)	0.144	0.016
97	8.08	0.50	0.184	(0.207)	0.166	0.018
98	8.17	0.50	0.184	(0.206)	0.166	0.018
99	8.25	0.50	0.184	(0.205)	0.166	0.018
100	8.33	0.50	0.184	(0.204)	0.166	0.018
101	8.42	0.50	0.184	(0.203)	0.166	0.018
102	8.50	0.50	0.184	(0.202)	0.166	0.018
103	8.58	0.53	0.197	(0.201)	0.177	0.020
104	8.67	0.53	0.197	(0.200)	0.177	0.020
105	8.75	0.53	0.197	(0.199)	0.177	0.020
106	8.83	0.57	0.209	(0.198)	0.188	0.021
107	8.92	0.57	0.209	(0.197)	0.188	0.021
108	9.00	0.57	0.209	(0.196)	0.188	0.021
109	9.08	0.63	0.234	0.195 (0.210)		0.038
110	9.17	0.63	0.234	0.195 (0.210)		0.039
111	9.25	0.63	0.234	0.194 (0.210)		0.040
112	9.33	0.67	0.246	0.193 (0.221)		0.053
113	9.42	0.67	0.246	0.192 (0.221)		0.054
114	9.50	0.67	0.246	0.191 (0.221)		0.055
115	9.58	0.70	0.258	0.190 (0.232)		0.068
116	9.67	0.70	0.258	0.189 (0.232)		0.069
117	9.75	0.70	0.258	0.188 (0.232)		0.070
118	9.83	0.73	0.270	0.187 (0.243)		0.083
119	9.92	0.73	0.270	0.186 (0.243)		0.084
120	10.00	0.73	0.270	0.185 (0.243)		0.085
121	10.08	0.50	0.184	(0.185)	0.166	0.018
122	10.17	0.50	0.184	(0.184)	0.166	0.018
123	10.25	0.50	0.184	(0.183)	0.166	0.018
124	10.33	0.50	0.184	(0.182)	0.166	0.018
125	10.42	0.50	0.184	(0.181)	0.166	0.018
126	10.50	0.50	0.184	(0.180)	0.166	0.018
127	10.58	0.67	0.246	0.179 (0.221)		0.067
128	10.67	0.67	0.246	0.178 (0.221)		0.068
129	10.75	0.67	0.246	0.177 (0.221)		0.068
130	10.83	0.67	0.246	0.177 (0.221)		0.069
131	10.92	0.67	0.246	0.176 (0.221)		0.070
132	11.00	0.67	0.246	0.175 (0.221)		0.071
133	11.08	0.63	0.234	0.174 (0.210)		0.060
134	11.17	0.63	0.234	0.173 (0.210)		0.060
135	11.25	0.63	0.234	0.172 (0.210)		0.061
136	11.33	0.63	0.234	0.171 (0.210)		0.062
137	11.42	0.63	0.234	0.171 (0.210)		0.063
138	11.50	0.63	0.234	0.170 (0.210)		0.064
139	11.58	0.57	0.209	0.169 (0.188)		0.040
140	11.67	0.57	0.209	0.168 (0.188)		0.041
141	11.75	0.57	0.209	0.167 (0.188)		0.042
142	11.83	0.60	0.221	0.166 (0.199)		0.055
143	11.92	0.60	0.221	0.166 (0.199)		0.056
144	12.00	0.60	0.221	0.165 (0.199)		0.057

145	12.08	0.83	0.307	0.164	(0.277)	0.143
146	12.17	0.83	0.307	0.163	(0.277)	0.144
147	12.25	0.83	0.307	0.162	(0.277)	0.145
148	12.33	0.87	0.320	0.161	(0.288)	0.158
149	12.42	0.87	0.320	0.161	(0.288)	0.159
150	12.50	0.87	0.320	0.160	(0.288)	0.160
151	12.58	0.93	0.344	0.159	(0.310)	0.185
152	12.67	0.93	0.344	0.158	(0.310)	0.186
153	12.75	0.93	0.344	0.157	(0.310)	0.187
154	12.83	0.97	0.357	0.157	(0.321)	0.200
155	12.92	0.97	0.357	0.156	(0.321)	0.201
156	13.00	0.97	0.357	0.155	(0.321)	0.201
157	13.08	1.13	0.418	0.154	(0.376)	0.264
158	13.17	1.13	0.418	0.154	(0.376)	0.265
159	13.25	1.13	0.418	0.153	(0.376)	0.265
160	13.33	1.13	0.418	0.152	(0.376)	0.266
161	13.42	1.13	0.418	0.151	(0.376)	0.267
162	13.50	1.13	0.418	0.150	(0.376)	0.268
163	13.58	0.77	0.283	0.150	(0.255)	0.133
164	13.67	0.77	0.283	0.149	(0.255)	0.134
165	13.75	0.77	0.283	0.148	(0.255)	0.135
166	13.83	0.77	0.283	0.147	(0.255)	0.135
167	13.92	0.77	0.283	0.147	(0.255)	0.136
168	14.00	0.77	0.283	0.146	(0.255)	0.137
169	14.08	0.90	0.332	0.145	(0.299)	0.187
170	14.17	0.90	0.332	0.144	(0.299)	0.188
171	14.25	0.90	0.332	0.144	(0.299)	0.188
172	14.33	0.87	0.320	0.143	(0.288)	0.177
173	14.42	0.87	0.320	0.142	(0.288)	0.177
174	14.50	0.87	0.320	0.141	(0.288)	0.178
175	14.58	0.87	0.320	0.141	(0.288)	0.179
176	14.67	0.87	0.320	0.140	(0.288)	0.180
177	14.75	0.87	0.320	0.139	(0.288)	0.180
178	14.83	0.83	0.307	0.139	(0.277)	0.169
179	14.92	0.83	0.307	0.138	(0.277)	0.170
180	15.00	0.83	0.307	0.137	(0.277)	0.170
181	15.08	0.80	0.295	0.136	(0.266)	0.159
182	15.17	0.80	0.295	0.136	(0.266)	0.159
183	15.25	0.80	0.295	0.135	(0.266)	0.160
184	15.33	0.77	0.283	0.134	(0.255)	0.148
185	15.42	0.77	0.283	0.134	(0.255)	0.149
186	15.50	0.77	0.283	0.133	(0.255)	0.150
187	15.58	0.63	0.234	0.132	(0.210)	0.101
188	15.67	0.63	0.234	0.132	(0.210)	0.102
189	15.75	0.63	0.234	0.131	(0.210)	0.103
190	15.83	0.63	0.234	0.130	(0.210)	0.103
191	15.92	0.63	0.234	0.130	(0.210)	0.104
192	16.00	0.63	0.234	0.129	(0.210)	0.105
193	16.08	0.13	0.049	(0.128)	0.044	0.005
194	16.17	0.13	0.049	(0.128)	0.044	0.005

195	16.25	0.13	0.049	(0.127)	0.044	0.005
196	16.33	0.13	0.049	(0.126)	0.044	0.005
197	16.42	0.13	0.049	(0.126)	0.044	0.005
198	16.50	0.13	0.049	(0.125)	0.044	0.005
199	16.58	0.10	0.037	(0.124)	0.033	0.004
200	16.67	0.10	0.037	(0.124)	0.033	0.004
201	16.75	0.10	0.037	(0.123)	0.033	0.004
202	16.83	0.10	0.037	(0.123)	0.033	0.004
203	16.92	0.10	0.037	(0.122)	0.033	0.004
204	17.00	0.10	0.037	(0.121)	0.033	0.004
205	17.08	0.17	0.061	(0.121)	0.055	0.006
206	17.17	0.17	0.061	(0.120)	0.055	0.006
207	17.25	0.17	0.061	(0.119)	0.055	0.006
208	17.33	0.17	0.061	(0.119)	0.055	0.006
209	17.42	0.17	0.061	(0.118)	0.055	0.006
210	17.50	0.17	0.061	(0.118)	0.055	0.006
211	17.58	0.17	0.061	(0.117)	0.055	0.006
212	17.67	0.17	0.061	(0.117)	0.055	0.006
213	17.75	0.17	0.061	(0.116)	0.055	0.006
214	17.83	0.13	0.049	(0.115)	0.044	0.005
215	17.92	0.13	0.049	(0.115)	0.044	0.005
216	18.00	0.13	0.049	(0.114)	0.044	0.005
217	18.08	0.13	0.049	(0.114)	0.044	0.005
218	18.17	0.13	0.049	(0.113)	0.044	0.005
219	18.25	0.13	0.049	(0.113)	0.044	0.005
220	18.33	0.13	0.049	(0.112)	0.044	0.005
221	18.42	0.13	0.049	(0.111)	0.044	0.005
222	18.50	0.13	0.049	(0.111)	0.044	0.005
223	18.58	0.10	0.037	(0.110)	0.033	0.004
224	18.67	0.10	0.037	(0.110)	0.033	0.004
225	18.75	0.10	0.037	(0.109)	0.033	0.004
226	18.83	0.07	0.025	(0.109)	0.022	0.002
227	18.92	0.07	0.025	(0.108)	0.022	0.002
228	19.00	0.07	0.025	(0.108)	0.022	0.002
229	19.08	0.10	0.037	(0.107)	0.033	0.004
230	19.17	0.10	0.037	(0.107)	0.033	0.004
231	19.25	0.10	0.037	(0.106)	0.033	0.004
232	19.33	0.13	0.049	(0.106)	0.044	0.005
233	19.42	0.13	0.049	(0.105)	0.044	0.005
234	19.50	0.13	0.049	(0.105)	0.044	0.005
235	19.58	0.10	0.037	(0.104)	0.033	0.004
236	19.67	0.10	0.037	(0.104)	0.033	0.004
237	19.75	0.10	0.037	(0.103)	0.033	0.004
238	19.83	0.07	0.025	(0.103)	0.022	0.002
239	19.92	0.07	0.025	(0.102)	0.022	0.002
240	20.00	0.07	0.025	(0.102)	0.022	0.002
241	20.08	0.10	0.037	(0.102)	0.033	0.004
242	20.17	0.10	0.037	(0.101)	0.033	0.004
243	20.25	0.10	0.037	(0.101)	0.033	0.004
244	20.33	0.10	0.037	(0.100)	0.033	0.004

245	20.42	0.10	0.037	(0.100)	0.033	0.004
246	20.50	0.10	0.037	(0.099)	0.033	0.004
247	20.58	0.10	0.037	(0.099)	0.033	0.004
248	20.67	0.10	0.037	(0.099)	0.033	0.004
249	20.75	0.10	0.037	(0.098)	0.033	0.004
250	20.83	0.07	0.025	(0.098)	0.022	0.002
251	20.92	0.07	0.025	(0.097)	0.022	0.002
252	21.00	0.07	0.025	(0.097)	0.022	0.002
253	21.08	0.10	0.037	(0.097)	0.033	0.004
254	21.17	0.10	0.037	(0.096)	0.033	0.004
255	21.25	0.10	0.037	(0.096)	0.033	0.004
256	21.33	0.07	0.025	(0.095)	0.022	0.002
257	21.42	0.07	0.025	(0.095)	0.022	0.002
258	21.50	0.07	0.025	(0.095)	0.022	0.002
259	21.58	0.10	0.037	(0.094)	0.033	0.004
260	21.67	0.10	0.037	(0.094)	0.033	0.004
261	21.75	0.10	0.037	(0.094)	0.033	0.004
262	21.83	0.07	0.025	(0.093)	0.022	0.002
263	21.92	0.07	0.025	(0.093)	0.022	0.002
264	22.00	0.07	0.025	(0.093)	0.022	0.002
265	22.08	0.10	0.037	(0.092)	0.033	0.004
266	22.17	0.10	0.037	(0.092)	0.033	0.004
267	22.25	0.10	0.037	(0.092)	0.033	0.004
268	22.33	0.07	0.025	(0.092)	0.022	0.002
269	22.42	0.07	0.025	(0.091)	0.022	0.002
270	22.50	0.07	0.025	(0.091)	0.022	0.002
271	22.58	0.07	0.025	(0.091)	0.022	0.002
272	22.67	0.07	0.025	(0.090)	0.022	0.002
273	22.75	0.07	0.025	(0.090)	0.022	0.002
274	22.83	0.07	0.025	(0.090)	0.022	0.002
275	22.92	0.07	0.025	(0.090)	0.022	0.002
276	23.00	0.07	0.025	(0.090)	0.022	0.002
277	23.08	0.07	0.025	(0.089)	0.022	0.002
278	23.17	0.07	0.025	(0.089)	0.022	0.002
279	23.25	0.07	0.025	(0.089)	0.022	0.002
280	23.33	0.07	0.025	(0.089)	0.022	0.002
281	23.42	0.07	0.025	(0.089)	0.022	0.002
282	23.50	0.07	0.025	(0.088)	0.022	0.002
283	23.58	0.07	0.025	(0.088)	0.022	0.002
284	23.67	0.07	0.025	(0.088)	0.022	0.002
285	23.75	0.07	0.025	(0.088)	0.022	0.002
286	23.83	0.07	0.025	(0.088)	0.022	0.002
287	23.92	0.07	0.025	(0.088)	0.022	0.002
288	24.00	0.07	0.025	(0.088)	0.022	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 11.4

Flood volume = Effective rainfall 0.95(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 2.12(In)

Total soil loss = 0.210(Ac.Ft)

Total rainfall = 3.07(In)
 Flood volume = 4113.2 Cubic Feet
 Total soil loss = 9164.3 Cubic Feet

 Peak flow rate of this hydrograph = 0.320(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0000	0.00	Q				
0+20	0.0001	0.00	Q				
0+25	0.0001	0.00	Q				
0+30	0.0001	0.00	Q				
0+35	0.0002	0.00	Q				
0+40	0.0002	0.00	Q				
0+45	0.0002	0.00	Q				
0+50	0.0003	0.01	Q				
0+55	0.0003	0.01	Q				
1+ 0	0.0003	0.01	Q				
1+ 5	0.0004	0.01	Q				
1+10	0.0004	0.00	Q				
1+15	0.0004	0.00	Q				
1+20	0.0005	0.00	Q				
1+25	0.0005	0.00	Q				
1+30	0.0005	0.00	Q				
1+35	0.0006	0.00	Q				
1+40	0.0006	0.00	Q				
1+45	0.0006	0.00	Q				
1+50	0.0006	0.01	Q				
1+55	0.0007	0.01	Q				
2+ 0	0.0007	0.01	Q				
2+ 5	0.0008	0.01	Q				
2+10	0.0008	0.01	Q				
2+15	0.0009	0.01	Q				
2+20	0.0009	0.01	Q				
2+25	0.0009	0.01	Q				
2+30	0.0010	0.01	Q				
2+35	0.0010	0.01	Q				
2+40	0.0011	0.01	Q				
2+45	0.0011	0.01	Q				
2+50	0.0012	0.01	Q				
2+55	0.0012	0.01	Q				

3+ 0	0.0013	0.01	Q
3+ 5	0.0013	0.01	Q
3+10	0.0014	0.01	Q
3+15	0.0014	0.01	Q
3+20	0.0015	0.01	Q
3+25	0.0015	0.01	Q
3+30	0.0016	0.01	Q
3+35	0.0016	0.01	Q
3+40	0.0017	0.01	Q
3+45	0.0017	0.01	Q
3+50	0.0018	0.01	Q
3+55	0.0018	0.01	Q
4+ 0	0.0019	0.01	Q
4+ 5	0.0020	0.01	Q
4+10	0.0020	0.01	Q
4+15	0.0021	0.01	Q
4+20	0.0021	0.01	Q
4+25	0.0022	0.01	Q
4+30	0.0023	0.01	Q
4+35	0.0024	0.01	Q
4+40	0.0024	0.01	QV
4+45	0.0025	0.01	QV
4+50	0.0026	0.01	QV
4+55	0.0027	0.01	QV
5+ 0	0.0027	0.01	QV
5+ 5	0.0028	0.01	QV
5+10	0.0029	0.01	QV
5+15	0.0029	0.01	QV
5+20	0.0030	0.01	QV
5+25	0.0031	0.01	QV
5+30	0.0031	0.01	QV
5+35	0.0032	0.01	QV
5+40	0.0033	0.01	QV
5+45	0.0034	0.01	QV
5+50	0.0035	0.01	QV
5+55	0.0035	0.01	QV
6+ 0	0.0036	0.01	QV
6+ 5	0.0037	0.01	QV
6+10	0.0038	0.01	QV
6+15	0.0039	0.01	QV
6+20	0.0040	0.01	QV
6+25	0.0041	0.01	QV
6+30	0.0042	0.01	QV
6+35	0.0043	0.01	QV
6+40	0.0044	0.01	QV
6+45	0.0045	0.01	QV
6+50	0.0046	0.01	QV
6+55	0.0047	0.01	QV
7+ 0	0.0048	0.01	Q V
7+ 5	0.0049	0.01	Q V

7+10	0.0050	0.01	Q	V				
7+15	0.0051	0.01	Q	V				
7+20	0.0052	0.02	Q	V				
7+25	0.0053	0.02	Q	V				
7+30	0.0054	0.02	Q	V				
7+35	0.0055	0.02	Q	V				
7+40	0.0056	0.02	Q	V				
7+45	0.0058	0.02	Q	V				
7+50	0.0059	0.02	Q	V				
7+55	0.0060	0.02	Q	V				
8+ 0	0.0061	0.02	Q	V				
8+ 5	0.0063	0.02	Q	V				
8+10	0.0064	0.02	Q	V				
8+15	0.0066	0.02	Q	V				
8+20	0.0067	0.02	Q	V				
8+25	0.0069	0.02	Q	V				
8+30	0.0070	0.02	Q	V				
8+35	0.0072	0.02	Q	V				
8+40	0.0074	0.02	Q	V				
8+45	0.0075	0.02	Q	V				
8+50	0.0077	0.02	Q	V				
8+55	0.0079	0.02	Q	V				
9+ 0	0.0080	0.02	Q	V				
9+ 5	0.0083	0.03	Q	V				
9+10	0.0086	0.04	Q	V				
9+15	0.0089	0.05	Q	V				
9+20	0.0092	0.05	Q	V				
9+25	0.0097	0.06	Q	V				
9+30	0.0101	0.06	Q	V				
9+35	0.0106	0.07	Q	V				
9+40	0.0112	0.08	Q	V				
9+45	0.0117	0.08	Q	V				
9+50	0.0123	0.09	Q	V				
9+55	0.0130	0.10	Q	V				
10+ 0	0.0137	0.10	Q	V				
10+ 5	0.0142	0.07	Q	V				
10+10	0.0144	0.03	Q	V				
10+15	0.0146	0.03	Q	V				
10+20	0.0148	0.02	Q	V				
10+25	0.0149	0.02	Q	V				
10+30	0.0151	0.02	Q	V				
10+35	0.0154	0.05	Q	V				
10+40	0.0159	0.07	Q	V				
10+45	0.0164	0.08	Q	V				
10+50	0.0170	0.08	Q	V				
10+55	0.0175	0.08	Q	V				
11+ 0	0.0181	0.08	Q	V				
11+ 5	0.0187	0.08	Q	V				
11+10	0.0192	0.07	Q	V				
11+15	0.0197	0.07	Q	V				

11+20	0.0202	0.07	Q	V				
11+25	0.0207	0.07	Q	V				
11+30	0.0212	0.08	Q	V				
11+35	0.0217	0.06	Q	V				
11+40	0.0220	0.05	Q	V				
11+45	0.0224	0.05	Q	V				
11+50	0.0228	0.06	Q	V				
11+55	0.0232	0.06	Q	V				
12+ 0	0.0237	0.07	Q	V				
12+ 5	0.0244	0.11	Q	V				
12+10	0.0255	0.16	Q	V				
12+15	0.0267	0.17	Q	V				
12+20	0.0279	0.18	Q	V				
12+25	0.0292	0.19	Q	V				
12+30	0.0305	0.19	Q	V				
12+35	0.0319	0.20	Q	V				
12+40	0.0334	0.22	Q	V				
12+45	0.0349	0.22	Q	V				
12+50	0.0365	0.23	Q	V				
12+55	0.0382	0.24	Q	V				
13+ 0	0.0398	0.24	Q	V				
13+ 5	0.0417	0.27	Q	V				
13+10	0.0438	0.31	Q	V				
13+15	0.0460	0.31	Q	V				
13+20	0.0481	0.32	Q	V				
13+25	0.0503	0.32	Q	V				
13+30	0.0525	0.32	Q	V				
13+35	0.0543	0.26	Q	V				
13+40	0.0556	0.18	Q	V				
13+45	0.0567	0.17	Q	V				
13+50	0.0579	0.16	Q	V				
13+55	0.0590	0.16	Q	V				
14+ 0	0.0601	0.16	Q	V				
14+ 5	0.0614	0.19	Q	V				
14+10	0.0629	0.22	Q	V				
14+15	0.0644	0.22	Q	V				
14+20	0.0659	0.22	Q	V				
14+25	0.0674	0.21	Q	V				
14+30	0.0689	0.21	Q	V				
14+35	0.0704	0.21	Q	V				
14+40	0.0718	0.21	Q	V				
14+45	0.0733	0.22	Q	V				
14+50	0.0748	0.21	Q	V				
14+55	0.0762	0.20	Q	V				
15+ 0	0.0776	0.20	Q	V				
15+ 5	0.0790	0.20	Q	V				
15+10	0.0803	0.19	Q	V				
15+15	0.0816	0.19	Q	V				
15+20	0.0829	0.19	Q	V				
15+25	0.0841	0.18	Q	V				

15+30	0.0854	0.18	Q				V
15+35	0.0865	0.16	Q				V
15+40	0.0874	0.13	Q				V
15+45	0.0882	0.13	Q				V
15+50	0.0891	0.12	Q				V
15+55	0.0899	0.12	Q				V
16+ 0	0.0908	0.12	Q				V
16+ 5	0.0913	0.08	Q				V
16+10	0.0915	0.02	Q				V
16+15	0.0916	0.01	Q				V
16+20	0.0916	0.01	Q				V
16+25	0.0917	0.01	Q				V
16+30	0.0917	0.01	Q				V
16+35	0.0917	0.01	Q				V
16+40	0.0918	0.00	Q				V
16+45	0.0918	0.00	Q				V
16+50	0.0918	0.00	Q				V
16+55	0.0919	0.00	Q				V
17+ 0	0.0919	0.00	Q				V
17+ 5	0.0919	0.01	Q				V
17+10	0.0920	0.01	Q				V
17+15	0.0920	0.01	Q				V
17+20	0.0921	0.01	Q				V
17+25	0.0921	0.01	Q				V
17+30	0.0922	0.01	Q				V
17+35	0.0922	0.01	Q				V
17+40	0.0923	0.01	Q				V
17+45	0.0923	0.01	Q				V
17+50	0.0924	0.01	Q				V
17+55	0.0924	0.01	Q				V
18+ 0	0.0925	0.01	Q				V
18+ 5	0.0925	0.01	Q				V
18+10	0.0926	0.01	Q				V
18+15	0.0926	0.01	Q				V
18+20	0.0926	0.01	Q				V
18+25	0.0927	0.01	Q				V
18+30	0.0927	0.01	Q				V
18+35	0.0928	0.01	Q				V
18+40	0.0928	0.00	Q				V
18+45	0.0928	0.00	Q				V
18+50	0.0928	0.00	Q				V
18+55	0.0929	0.00	Q				V
19+ 0	0.0929	0.00	Q				V
19+ 5	0.0929	0.00	Q				V
19+10	0.0929	0.00	Q				V
19+15	0.0930	0.00	Q				V
19+20	0.0930	0.00	Q				V
19+25	0.0930	0.01	Q				V
19+30	0.0931	0.01	Q				V
19+35	0.0931	0.01	Q				V

19+40	0.0932	0.00	Q				V
19+45	0.0932	0.00	Q				V
19+50	0.0932	0.00	Q				V
19+55	0.0932	0.00	Q				V
20+ 0	0.0933	0.00	Q				V
20+ 5	0.0933	0.00	Q				V
20+10	0.0933	0.00	Q				V
20+15	0.0933	0.00	Q				V
20+20	0.0934	0.00	Q				V
20+25	0.0934	0.00	Q				V
20+30	0.0934	0.00	Q				V
20+35	0.0935	0.00	Q				V
20+40	0.0935	0.00	Q				V
20+45	0.0935	0.00	Q				V
20+50	0.0935	0.00	Q				V
20+55	0.0936	0.00	Q				V
21+ 0	0.0936	0.00	Q				V
21+ 5	0.0936	0.00	Q				V
21+10	0.0936	0.00	Q				V
21+15	0.0937	0.00	Q				V
21+20	0.0937	0.00	Q				V
21+25	0.0937	0.00	Q				V
21+30	0.0937	0.00	Q				V
21+35	0.0938	0.00	Q				V
21+40	0.0938	0.00	Q				V
21+45	0.0938	0.00	Q				V
21+50	0.0938	0.00	Q				V
21+55	0.0939	0.00	Q				V
22+ 0	0.0939	0.00	Q				V
22+ 5	0.0939	0.00	Q				V
22+10	0.0939	0.00	Q				V
22+15	0.0940	0.00	Q				V
22+20	0.0940	0.00	Q				V
22+25	0.0940	0.00	Q				V
22+30	0.0940	0.00	Q				V
22+35	0.0941	0.00	Q				V
22+40	0.0941	0.00	Q				V
22+45	0.0941	0.00	Q				V
22+50	0.0941	0.00	Q				V
22+55	0.0941	0.00	Q				V
23+ 0	0.0942	0.00	Q				V
23+ 5	0.0942	0.00	Q				V
23+10	0.0942	0.00	Q				V
23+15	0.0942	0.00	Q				V
23+20	0.0942	0.00	Q				V
23+25	0.0943	0.00	Q				V
23+30	0.0943	0.00	Q				V
23+35	0.0943	0.00	Q				V
23+40	0.0943	0.00	Q				V
23+45	0.0943	0.00	Q				V

23+50	0.0944	0.00	Q				V
23+55	0.0944	0.00	Q				V
24+ 0	0.0944	0.00	Q				V
24+ 5	0.0944	0.00	Q				V
24+10	0.0944	0.00	Q				V
24+15	0.0944	0.00	Q				V
24+20	0.0944	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda1610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.176)	0.095	0.011
2	0.17	0.60	0.126	(0.176)	0.114	0.013
3	0.25	0.60	0.126	(0.176)	0.114	0.013
4	0.33	0.60	0.126	(0.176)	0.114	0.013
5	0.42	0.60	0.126	(0.176)	0.114	0.013
6	0.50	0.70	0.147	(0.176)	0.133	0.015
7	0.58	0.70	0.147	(0.176)	0.133	0.015
8	0.67	0.70	0.147	(0.176)	0.133	0.015
9	0.75	0.70	0.147	(0.176)	0.133	0.015
10	0.83	0.70	0.147	(0.176)	0.133	0.015
11	0.92	0.70	0.147	(0.176)	0.133	0.015
12	1.00	0.80	0.169	(0.176)	0.152	0.017
13	1.08	0.80	0.169	(0.176)	0.152	0.017
14	1.17	0.80	0.169	(0.176)	0.152	0.017
15	1.25	0.80	0.169	(0.176)	0.152	0.017
16	1.33	0.80	0.169	(0.176)	0.152	0.017
17	1.42	0.80	0.169	(0.176)	0.152	0.017
18	1.50	0.80	0.169	(0.176)	0.152	0.017
19	1.58	0.80	0.169	(0.176)	0.152	0.017
20	1.67	0.80	0.169	(0.176)	0.152	0.017
21	1.75	0.80	0.169	(0.176)	0.152	0.017
22	1.83	0.80	0.169	(0.176)	0.152	0.017
23	1.92	0.80	0.169	(0.176)	0.152	0.017
24	2.00	0.90	0.190	(0.176)	0.171	0.019
25	2.08	0.80	0.169	(0.176)	0.152	0.017
26	2.17	0.90	0.190	(0.176)	0.171	0.019
27	2.25	0.90	0.190	(0.176)	0.171	0.019
28	2.33	0.90	0.190	(0.176)	0.171	0.019
29	2.42	0.90	0.190	(0.176)	0.171	0.019
30	2.50	0.90	0.190	(0.176)	0.171	0.019
31	2.58	0.90	0.190	(0.176)	0.171	0.019
32	2.67	0.90	0.190	(0.176)	0.171	0.019
33	2.75	1.00	0.211	0.176	(0.190)	0.035
34	2.83	1.00	0.211	0.176	(0.190)	0.035
35	2.92	1.00	0.211	0.176	(0.190)	0.035
36	3.00	1.00	0.211	0.176	(0.190)	0.035
37	3.08	1.00	0.211	0.176	(0.190)	0.035
38	3.17	1.10	0.232	0.176	(0.209)	0.056
39	3.25	1.10	0.232	0.176	(0.209)	0.056
40	3.33	1.10	0.232	0.176	(0.209)	0.056
41	3.42	1.20	0.253	0.176	(0.227)	0.077
42	3.50	1.30	0.274	0.176	(0.246)	0.098
43	3.58	1.40	0.295	0.176	(0.265)	0.119
44	3.67	1.40	0.295	0.176	(0.265)	0.119

45	3.75	1.50	0.316	0.176	(0.284)	0.140
46	3.83	1.50	0.316	0.176	(0.284)	0.140
47	3.92	1.60	0.337	0.176	(0.303)	0.161
48	4.00	1.60	0.337	0.176	(0.303)	0.161
49	4.08	1.70	0.358	0.176	(0.322)	0.182
50	4.17	1.80	0.379	0.176	(0.341)	0.204
51	4.25	1.90	0.400	0.176	(0.360)	0.225
52	4.33	2.00	0.421	0.176	(0.379)	0.246
53	4.42	2.10	0.442	0.176	(0.398)	0.267
54	4.50	2.10	0.442	0.176	(0.398)	0.267
55	4.58	2.20	0.463	0.176	(0.417)	0.288
56	4.67	2.30	0.484	0.176	(0.436)	0.309
57	4.75	2.40	0.506	0.176	(0.455)	0.330
58	4.83	2.40	0.506	0.176	(0.455)	0.330
59	4.92	2.50	0.527	0.176	(0.474)	0.351
60	5.00	2.60	0.548	0.176	(0.493)	0.372
61	5.08	3.10	0.653	0.176	(0.588)	0.477
62	5.17	3.60	0.758	0.176	(0.682)	0.583
63	5.25	3.90	0.821	0.176	(0.739)	0.646
64	5.33	4.20	0.885	0.176	(0.796)	0.709
65	5.42	4.70	0.990	0.176	(0.891)	0.814
66	5.50	5.60	1.180	0.176	(1.062)	1.004
67	5.58	1.90	0.400	0.176	(0.360)	0.225
68	5.67	0.90	0.190	(0.176)	0.171	0.019
69	5.75	0.60	0.126	(0.176)	0.114	0.013
70	5.83	0.50	0.105	(0.176)	0.095	0.011
71	5.92	0.30	0.063	(0.176)	0.057	0.006
72	6.00	0.20	0.042	(0.176)	0.038	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.8

Flood volume = Effective rainfall 0.81(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.94(In)
Total soil loss = 0.093(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 3513.9 Cubic Feet
Total soil loss = 4068.6 Cubic Feet

Peak flow rate of this hydrograph = 1.045(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				

0+10	0.0001	0.01	Q				
0+15	0.0002	0.01	Q				
0+20	0.0003	0.01	Q				
0+25	0.0004	0.02	Q				
0+30	0.0005	0.02	Q				
0+35	0.0007	0.02	Q				
0+40	0.0008	0.02	Q				
0+45	0.0009	0.02	Q				
0+50	0.0010	0.02	Q				
0+55	0.0011	0.02	Q				
1+ 0	0.0013	0.02	Q				
1+ 5	0.0014	0.02	Q				
1+10	0.0015	0.02	Q				
1+15	0.0017	0.02	Q				
1+20	0.0018	0.02	Q				
1+25	0.0020	0.02	Q				
1+30	0.0021	0.02	QV				
1+35	0.0022	0.02	QV				
1+40	0.0024	0.02	QV				
1+45	0.0025	0.02	QV				
1+50	0.0027	0.02	QV				
1+55	0.0028	0.02	QV				
2+ 0	0.0029	0.02	QV				
2+ 5	0.0031	0.02	QV				
2+10	0.0032	0.02	QV				
2+15	0.0034	0.02	QV				
2+20	0.0035	0.02	QV				
2+25	0.0037	0.02	QV				
2+30	0.0039	0.02	QV				
2+35	0.0040	0.02	QV				
2+40	0.0042	0.02	Q V				
2+45	0.0044	0.03	Q V				
2+50	0.0047	0.04	Q V				
2+55	0.0049	0.04	Q V				
3+ 0	0.0052	0.04	Q V				
3+ 5	0.0055	0.04	Q V				
3+10	0.0059	0.05	Q V				
3+15	0.0063	0.06	Q V				
3+20	0.0068	0.07	Q V				
3+25	0.0073	0.08	Q V				
3+30	0.0080	0.10	Q V				
3+35	0.0088	0.12	Q V				
3+40	0.0098	0.14	Q V				
3+45	0.0108	0.15	Q V				
3+50	0.0119	0.16	Q V				
3+55	0.0132	0.18	Q V				
4+ 0	0.0145	0.19	Q V				
4+ 5	0.0159	0.20	Q V				
4+10	0.0174	0.23	Q V				
4+15	0.0191	0.25	Q V				

4+20	0.0210	0.27	Q	V				
4+25	0.0231	0.30	Q	V				
4+30	0.0253	0.31	Q	V				
4+35	0.0275	0.33	Q	V				
4+40	0.0299	0.35	Q	V				
4+45	0.0325	0.38	Q	V				
4+50	0.0352	0.39	Q	V				
4+55	0.0380	0.40	Q	V				
5+ 0	0.0409	0.43	Q	V				
5+ 5	0.0443	0.49	Q	V				
5+10	0.0485	0.60	Q		V			
5+15	0.0533	0.70	Q		V			
5+20	0.0587	0.79	Q			V		
5+25	0.0648	0.88	Q			V		
5+30	0.0720	1.05	Q				V	
5+35	0.0774	0.78	Q				V	
5+40	0.0795	0.29	Q					V
5+45	0.0802	0.10	Q					V
5+50	0.0805	0.04	Q					V
5+55	0.0806	0.02	Q					V
6+ 0	0.0806	0.01	Q					V
6+ 5	0.0807	0.00	Q					V
6+10	0.0807	0.00	Q					V
6+15	0.0807	0.00	Q					V
6+20	0.0807	0.00	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda1310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	0.176	(0.181)	0.025
2	0.17	1.30	0.201	0.176	(0.181)	0.025
3	0.25	1.10	0.170	(0.176)	0.153	0.017
4	0.33	1.50	0.232	0.176	(0.209)	0.056
5	0.42	1.50	0.232	0.176	(0.209)	0.056
6	0.50	1.80	0.278	0.176	(0.250)	0.102
7	0.58	1.50	0.232	0.176	(0.209)	0.056
8	0.67	1.80	0.278	0.176	(0.250)	0.102
9	0.75	1.80	0.278	0.176	(0.250)	0.102
10	0.83	1.50	0.232	0.176	(0.209)	0.056
11	0.92	1.60	0.247	0.176	(0.222)	0.072
12	1.00	1.80	0.278	0.176	(0.250)	0.102
13	1.08	2.20	0.340	0.176	(0.306)	0.164
14	1.17	2.20	0.340	0.176	(0.306)	0.164
15	1.25	2.20	0.340	0.176	(0.306)	0.164
16	1.33	2.00	0.309	0.176	(0.278)	0.133
17	1.42	2.60	0.402	0.176	(0.361)	0.226
18	1.50	2.70	0.417	0.176	(0.375)	0.241
19	1.58	2.40	0.371	0.176	(0.334)	0.195
20	1.67	2.70	0.417	0.176	(0.375)	0.241
21	1.75	3.30	0.510	0.176	(0.459)	0.334
22	1.83	3.10	0.479	0.176	(0.431)	0.303
23	1.92	2.90	0.448	0.176	(0.403)	0.272
24	2.00	3.00	0.463	0.176	(0.417)	0.288
25	2.08	3.10	0.479	0.176	(0.431)	0.303
26	2.17	4.20	0.649	0.176	(0.584)	0.473
27	2.25	5.00	0.772	0.176	(0.695)	0.597
28	2.33	3.50	0.541	0.176	(0.487)	0.365
29	2.42	6.80	1.050	0.176	(0.945)	0.875
30	2.50	7.30	1.128	0.176	(1.015)	0.952
31	2.58	8.20	1.267	0.176	(1.140)	1.091
32	2.67	5.90	0.911	0.176	(0.820)	0.736
33	2.75	2.00	0.309	0.176	(0.278)	0.133
34	2.83	1.80	0.278	0.176	(0.250)	0.102
35	2.92	1.80	0.278	0.176	(0.250)	0.102
36	3.00	0.60	0.093	(0.176)	0.083	0.009

(Loss Rate Not Used)

Sum = 100.0

Sum = 9.2

Flood volume = Effective rainfall 0.77(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.52(In)

Total soil loss = 0.051(Ac.Ft)

Total rainfall = 1.29(In)

Flood volume = 3326.2 Cubic Feet

Total soil loss = 2234.3 Cubic Feet

Peak flow rate of this hydrograph = 1.167(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0004	0.02	Q				
0+20	0.0007	0.04	Q				
0+25	0.0011	0.06	Q				
0+30	0.0017	0.09	Q				
0+35	0.0024	0.09	QV				
0+40	0.0030	0.10	QV				
0+45	0.0038	0.12	Q V				
0+50	0.0045	0.10	Q V				
0+55	0.0051	0.08	Q V				
1+ 0	0.0058	0.10	Q V				
1+ 5	0.0068	0.15	Q V				
1+10	0.0080	0.18	Q V				
1+15	0.0094	0.19	Q V				
1+20	0.0106	0.18	Q V				
1+25	0.0121	0.21	Q V				
1+30	0.0139	0.26	Q V				
1+35	0.0157	0.26	Q V				
1+40	0.0175	0.26	Q V				
1+45	0.0197	0.33	Q V				
1+50	0.0223	0.37	Q V				
1+55	0.0247	0.35	Q V				
2+ 0	0.0270	0.34	Q V				
2+ 5	0.0294	0.35	Q V				
2+10	0.0325	0.44	Q V				
2+15	0.0366	0.60	Q V				
2+20	0.0405	0.57	Q V				
2+25	0.0454	0.72	Q V				
2+30	0.0524	1.01	Q V				
2+35	0.0604	1.17	Q V				
2+40	0.0680	1.10	Q V				
2+45	0.0724	0.64	Q V				
2+50	0.0743	0.27	Q V				
2+55	0.0755	0.18	Q V				
3+ 0	0.0761	0.09	Q V				
3+ 5	0.0763	0.02	Q V				

3+10	0.0763	0.01	Q				V
3+15	0.0764	0.00	Q				V
3+20	0.0764	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda1110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
		Sum = 100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective (In/Hr)
	(Hr.)	Percent	(In/Hr)	Max	Low	
1	0.08	4.20	0.396	0.176	(0.356)	0.220
2	0.17	4.30	0.405	0.176	(0.365)	0.230
3	0.25	5.00	0.471	0.176	(0.424)	0.296
4	0.33	5.00	0.471	0.176	(0.424)	0.296
5	0.42	5.80	0.547	0.176	(0.492)	0.371
6	0.50	6.50	0.613	0.176	(0.551)	0.437
7	0.58	7.40	0.698	0.176	(0.628)	0.522
8	0.67	8.60	0.811	0.176	(0.730)	0.635
9	0.75	12.30	1.160	0.176	(1.044)	0.984
10	0.83	29.10	2.743	0.176	(2.469)	2.568
11	0.92	6.80	0.641	0.176	(0.577)	0.465
12	1.00	5.00	0.471	0.176	(0.424)	0.296

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.3

$$\text{Flood volume} = \text{Effective rainfall} \times 0.61(\text{In})$$

times area $1.2(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad \quad \quad 0.1(\text{Ac.Ft})$

Total soil loss = 0.18(In)

Total soil loss = 0.017 (Ac.Ft)

Total rainfall = 0.79(In)

Flood volume = 2635.0 Cubic Feet

Total soil loss = 758.5 Cubic Feet

Peak flow rate of this hydrograph = 1.880(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0007	0.11	Q					
0+10	0.0023	0.23	QV					
0+15	0.0043	0.29	QV					
0+20	0.0067	0.34	Q	V				
0+25	0.0093	0.39	Q		V			
0+30	0.0125	0.46	Q			V		
0+35	0.0163	0.55	Q			V		
0+40	0.0208	0.66	Q			V		
0+45	0.0271	0.90	Q			V		

0+50	0.0400	1.88		Q				V			
0+55	0.0521	1.75		Q						V	
1+ 0	0.0572	0.74		Q						V	
1+ 5	0.0596	0.35		Q						V	
1+10	0.0603	0.11	Q							V	
1+15	0.0605	0.02	Q							V	
1+20	0.0605	0.01	Q							V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda1245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.608)	0.019	0.002
2	0.17	0.07	0.021	(0.606)	0.019	0.002
3	0.25	0.07	0.021	(0.604)	0.019	0.002
4	0.33	0.10	0.031	(0.601)	0.028	0.003
5	0.42	0.10	0.031	(0.599)	0.028	0.003
6	0.50	0.10	0.031	(0.597)	0.028	0.003
7	0.58	0.10	0.031	(0.594)	0.028	0.003
8	0.67	0.10	0.031	(0.592)	0.028	0.003
9	0.75	0.10	0.031	(0.590)	0.028	0.003
10	0.83	0.13	0.041	(0.587)	0.037	0.004
11	0.92	0.13	0.041	(0.585)	0.037	0.004
12	1.00	0.13	0.041	(0.583)	0.037	0.004
13	1.08	0.10	0.031	(0.580)	0.028	0.003
14	1.17	0.10	0.031	(0.578)	0.028	0.003
15	1.25	0.10	0.031	(0.576)	0.028	0.003
16	1.33	0.10	0.031	(0.573)	0.028	0.003
17	1.42	0.10	0.031	(0.571)	0.028	0.003
18	1.50	0.10	0.031	(0.569)	0.028	0.003
19	1.58	0.10	0.031	(0.567)	0.028	0.003
20	1.67	0.10	0.031	(0.564)	0.028	0.003
21	1.75	0.10	0.031	(0.562)	0.028	0.003
22	1.83	0.13	0.041	(0.560)	0.037	0.004
23	1.92	0.13	0.041	(0.558)	0.037	0.004
24	2.00	0.13	0.041	(0.555)	0.037	0.004
25	2.08	0.13	0.041	(0.553)	0.037	0.004
26	2.17	0.13	0.041	(0.551)	0.037	0.004
27	2.25	0.13	0.041	(0.549)	0.037	0.004
28	2.33	0.13	0.041	(0.546)	0.037	0.004
29	2.42	0.13	0.041	(0.544)	0.037	0.004
30	2.50	0.13	0.041	(0.542)	0.037	0.004
31	2.58	0.17	0.052	(0.540)	0.046	0.005
32	2.67	0.17	0.052	(0.537)	0.046	0.005
33	2.75	0.17	0.052	(0.535)	0.046	0.005
34	2.83	0.17	0.052	(0.533)	0.046	0.005
35	2.92	0.17	0.052	(0.531)	0.046	0.005
36	3.00	0.17	0.052	(0.529)	0.046	0.005
37	3.08	0.17	0.052	(0.526)	0.046	0.005
38	3.17	0.17	0.052	(0.524)	0.046	0.005
39	3.25	0.17	0.052	(0.522)	0.046	0.005
40	3.33	0.17	0.052	(0.520)	0.046	0.005
41	3.42	0.17	0.052	(0.518)	0.046	0.005
42	3.50	0.17	0.052	(0.516)	0.046	0.005
43	3.58	0.17	0.052	(0.513)	0.046	0.005
44	3.67	0.17	0.052	(0.511)	0.046	0.005

45	3.75	0.17	0.052	(0.509)	0.046	0.005
46	3.83	0.20	0.062	(0.507)	0.056	0.006
47	3.92	0.20	0.062	(0.505)	0.056	0.006
48	4.00	0.20	0.062	(0.503)	0.056	0.006
49	4.08	0.20	0.062	(0.501)	0.056	0.006
50	4.17	0.20	0.062	(0.498)	0.056	0.006
51	4.25	0.20	0.062	(0.496)	0.056	0.006
52	4.33	0.23	0.072	(0.494)	0.065	0.007
53	4.42	0.23	0.072	(0.492)	0.065	0.007
54	4.50	0.23	0.072	(0.490)	0.065	0.007
55	4.58	0.23	0.072	(0.488)	0.065	0.007
56	4.67	0.23	0.072	(0.486)	0.065	0.007
57	4.75	0.23	0.072	(0.484)	0.065	0.007
58	4.83	0.27	0.083	(0.482)	0.074	0.008
59	4.92	0.27	0.083	(0.480)	0.074	0.008
60	5.00	0.27	0.083	(0.477)	0.074	0.008
61	5.08	0.20	0.062	(0.475)	0.056	0.006
62	5.17	0.20	0.062	(0.473)	0.056	0.006
63	5.25	0.20	0.062	(0.471)	0.056	0.006
64	5.33	0.23	0.072	(0.469)	0.065	0.007
65	5.42	0.23	0.072	(0.467)	0.065	0.007
66	5.50	0.23	0.072	(0.465)	0.065	0.007
67	5.58	0.27	0.083	(0.463)	0.074	0.008
68	5.67	0.27	0.083	(0.461)	0.074	0.008
69	5.75	0.27	0.083	(0.459)	0.074	0.008
70	5.83	0.27	0.083	(0.457)	0.074	0.008
71	5.92	0.27	0.083	(0.455)	0.074	0.008
72	6.00	0.27	0.083	(0.453)	0.074	0.008
73	6.08	0.30	0.093	(0.451)	0.084	0.009
74	6.17	0.30	0.093	(0.449)	0.084	0.009
75	6.25	0.30	0.093	(0.447)	0.084	0.009
76	6.33	0.30	0.093	(0.445)	0.084	0.009
77	6.42	0.30	0.093	(0.443)	0.084	0.009
78	6.50	0.30	0.093	(0.441)	0.084	0.009
79	6.58	0.33	0.103	(0.439)	0.093	0.010
80	6.67	0.33	0.103	(0.437)	0.093	0.010
81	6.75	0.33	0.103	(0.435)	0.093	0.010
82	6.83	0.33	0.103	(0.433)	0.093	0.010
83	6.92	0.33	0.103	(0.431)	0.093	0.010
84	7.00	0.33	0.103	(0.429)	0.093	0.010
85	7.08	0.33	0.103	(0.427)	0.093	0.010
86	7.17	0.33	0.103	(0.425)	0.093	0.010
87	7.25	0.33	0.103	(0.423)	0.093	0.010
88	7.33	0.37	0.114	(0.421)	0.102	0.011
89	7.42	0.37	0.114	(0.419)	0.102	0.011
90	7.50	0.37	0.114	(0.417)	0.102	0.011
91	7.58	0.40	0.124	(0.416)	0.112	0.012
92	7.67	0.40	0.124	(0.414)	0.112	0.012
93	7.75	0.40	0.124	(0.412)	0.112	0.012
94	7.83	0.43	0.134	(0.410)	0.121	0.013

95	7.92	0.43	0.134	(0.408)	0.121	0.013
96	8.00	0.43	0.134	(0.406)	0.121	0.013
97	8.08	0.50	0.155	(0.404)	0.139	0.015
98	8.17	0.50	0.155	(0.402)	0.139	0.015
99	8.25	0.50	0.155	(0.400)	0.139	0.015
100	8.33	0.50	0.155	(0.399)	0.139	0.015
101	8.42	0.50	0.155	(0.397)	0.139	0.015
102	8.50	0.50	0.155	(0.395)	0.139	0.015
103	8.58	0.53	0.165	(0.393)	0.149	0.017
104	8.67	0.53	0.165	(0.391)	0.149	0.017
105	8.75	0.53	0.165	(0.389)	0.149	0.017
106	8.83	0.57	0.176	(0.387)	0.158	0.018
107	8.92	0.57	0.176	(0.386)	0.158	0.018
108	9.00	0.57	0.176	(0.384)	0.158	0.018
109	9.08	0.63	0.196	(0.382)	0.177	0.020
110	9.17	0.63	0.196	(0.380)	0.177	0.020
111	9.25	0.63	0.196	(0.378)	0.177	0.020
112	9.33	0.67	0.206	(0.377)	0.186	0.021
113	9.42	0.67	0.206	(0.375)	0.186	0.021
114	9.50	0.67	0.206	(0.373)	0.186	0.021
115	9.58	0.70	0.217	(0.371)	0.195	0.022
116	9.67	0.70	0.217	(0.369)	0.195	0.022
117	9.75	0.70	0.217	(0.368)	0.195	0.022
118	9.83	0.73	0.227	(0.366)	0.204	0.023
119	9.92	0.73	0.227	(0.364)	0.204	0.023
120	10.00	0.73	0.227	(0.362)	0.204	0.023
121	10.08	0.50	0.155	(0.361)	0.139	0.015
122	10.17	0.50	0.155	(0.359)	0.139	0.015
123	10.25	0.50	0.155	(0.357)	0.139	0.015
124	10.33	0.50	0.155	(0.355)	0.139	0.015
125	10.42	0.50	0.155	(0.354)	0.139	0.015
126	10.50	0.50	0.155	(0.352)	0.139	0.015
127	10.58	0.67	0.206	(0.350)	0.186	0.021
128	10.67	0.67	0.206	(0.348)	0.186	0.021
129	10.75	0.67	0.206	(0.347)	0.186	0.021
130	10.83	0.67	0.206	(0.345)	0.186	0.021
131	10.92	0.67	0.206	(0.343)	0.186	0.021
132	11.00	0.67	0.206	(0.342)	0.186	0.021
133	11.08	0.63	0.196	(0.340)	0.177	0.020
134	11.17	0.63	0.196	(0.338)	0.177	0.020
135	11.25	0.63	0.196	(0.337)	0.177	0.020
136	11.33	0.63	0.196	(0.335)	0.177	0.020
137	11.42	0.63	0.196	(0.333)	0.177	0.020
138	11.50	0.63	0.196	(0.332)	0.177	0.020
139	11.58	0.57	0.176	(0.330)	0.158	0.018
140	11.67	0.57	0.176	(0.328)	0.158	0.018
141	11.75	0.57	0.176	(0.327)	0.158	0.018
142	11.83	0.60	0.186	(0.325)	0.167	0.019
143	11.92	0.60	0.186	(0.324)	0.167	0.019
144	12.00	0.60	0.186	(0.322)	0.167	0.019

145	12.08	0.83	0.258	(0.320)	0.232	0.026
146	12.17	0.83	0.258	(0.319)	0.232	0.026
147	12.25	0.83	0.258	(0.317)	0.232	0.026
148	12.33	0.87	0.268	(0.316)	0.242	0.027
149	12.42	0.87	0.268	(0.314)	0.242	0.027
150	12.50	0.87	0.268	(0.312)	0.242	0.027
151	12.58	0.93	0.289	(0.311)	0.260	0.029
152	12.67	0.93	0.289	(0.309)	0.260	0.029
153	12.75	0.93	0.289	(0.308)	0.260	0.029
154	12.83	0.97	0.299	(0.306)	0.269	0.030
155	12.92	0.97	0.299	(0.305)	0.269	0.030
156	13.00	0.97	0.299	(0.303)	0.269	0.030
157	13.08	1.13	0.351	0.301 (0.316)		0.050
158	13.17	1.13	0.351	0.300 (0.316)		0.051
159	13.25	1.13	0.351	0.298 (0.316)		0.053
160	13.33	1.13	0.351	0.297 (0.316)		0.054
161	13.42	1.13	0.351	0.295 (0.316)		0.056
162	13.50	1.13	0.351	0.294 (0.316)		0.057
163	13.58	0.77	0.237	(0.292)	0.214	0.024
164	13.67	0.77	0.237	(0.291)	0.214	0.024
165	13.75	0.77	0.237	(0.289)	0.214	0.024
166	13.83	0.77	0.237	(0.288)	0.214	0.024
167	13.92	0.77	0.237	(0.286)	0.214	0.024
168	14.00	0.77	0.237	(0.285)	0.214	0.024
169	14.08	0.90	0.279	(0.284)	0.251	0.028
170	14.17	0.90	0.279	(0.282)	0.251	0.028
171	14.25	0.90	0.279	(0.281)	0.251	0.028
172	14.33	0.87	0.268	(0.279)	0.242	0.027
173	14.42	0.87	0.268	(0.278)	0.242	0.027
174	14.50	0.87	0.268	(0.276)	0.242	0.027
175	14.58	0.87	0.268	(0.275)	0.242	0.027
176	14.67	0.87	0.268	(0.274)	0.242	0.027
177	14.75	0.87	0.268	(0.272)	0.242	0.027
178	14.83	0.83	0.258	(0.271)	0.232	0.026
179	14.92	0.83	0.258	(0.269)	0.232	0.026
180	15.00	0.83	0.258	(0.268)	0.232	0.026
181	15.08	0.80	0.248	(0.267)	0.223	0.025
182	15.17	0.80	0.248	(0.265)	0.223	0.025
183	15.25	0.80	0.248	(0.264)	0.223	0.025
184	15.33	0.77	0.237	(0.263)	0.214	0.024
185	15.42	0.77	0.237	(0.261)	0.214	0.024
186	15.50	0.77	0.237	(0.260)	0.214	0.024
187	15.58	0.63	0.196	(0.259)	0.177	0.020
188	15.67	0.63	0.196	(0.257)	0.177	0.020
189	15.75	0.63	0.196	(0.256)	0.177	0.020
190	15.83	0.63	0.196	(0.255)	0.177	0.020
191	15.92	0.63	0.196	(0.253)	0.177	0.020
192	16.00	0.63	0.196	(0.252)	0.177	0.020
193	16.08	0.13	0.041	(0.251)	0.037	0.004
194	16.17	0.13	0.041	(0.249)	0.037	0.004

195	16.25	0.13	0.041	(0.248)	0.037	0.004
196	16.33	0.13	0.041	(0.247)	0.037	0.004
197	16.42	0.13	0.041	(0.246)	0.037	0.004
198	16.50	0.13	0.041	(0.244)	0.037	0.004
199	16.58	0.10	0.031	(0.243)	0.028	0.003
200	16.67	0.10	0.031	(0.242)	0.028	0.003
201	16.75	0.10	0.031	(0.241)	0.028	0.003
202	16.83	0.10	0.031	(0.239)	0.028	0.003
203	16.92	0.10	0.031	(0.238)	0.028	0.003
204	17.00	0.10	0.031	(0.237)	0.028	0.003
205	17.08	0.17	0.052	(0.236)	0.046	0.005
206	17.17	0.17	0.052	(0.235)	0.046	0.005
207	17.25	0.17	0.052	(0.233)	0.046	0.005
208	17.33	0.17	0.052	(0.232)	0.046	0.005
209	17.42	0.17	0.052	(0.231)	0.046	0.005
210	17.50	0.17	0.052	(0.230)	0.046	0.005
211	17.58	0.17	0.052	(0.229)	0.046	0.005
212	17.67	0.17	0.052	(0.228)	0.046	0.005
213	17.75	0.17	0.052	(0.227)	0.046	0.005
214	17.83	0.13	0.041	(0.225)	0.037	0.004
215	17.92	0.13	0.041	(0.224)	0.037	0.004
216	18.00	0.13	0.041	(0.223)	0.037	0.004
217	18.08	0.13	0.041	(0.222)	0.037	0.004
218	18.17	0.13	0.041	(0.221)	0.037	0.004
219	18.25	0.13	0.041	(0.220)	0.037	0.004
220	18.33	0.13	0.041	(0.219)	0.037	0.004
221	18.42	0.13	0.041	(0.218)	0.037	0.004
222	18.50	0.13	0.041	(0.217)	0.037	0.004
223	18.58	0.10	0.031	(0.216)	0.028	0.003
224	18.67	0.10	0.031	(0.215)	0.028	0.003
225	18.75	0.10	0.031	(0.214)	0.028	0.003
226	18.83	0.07	0.021	(0.213)	0.019	0.002
227	18.92	0.07	0.021	(0.212)	0.019	0.002
228	19.00	0.07	0.021	(0.211)	0.019	0.002
229	19.08	0.10	0.031	(0.210)	0.028	0.003
230	19.17	0.10	0.031	(0.209)	0.028	0.003
231	19.25	0.10	0.031	(0.208)	0.028	0.003
232	19.33	0.13	0.041	(0.207)	0.037	0.004
233	19.42	0.13	0.041	(0.206)	0.037	0.004
234	19.50	0.13	0.041	(0.205)	0.037	0.004
235	19.58	0.10	0.031	(0.204)	0.028	0.003
236	19.67	0.10	0.031	(0.203)	0.028	0.003
237	19.75	0.10	0.031	(0.202)	0.028	0.003
238	19.83	0.07	0.021	(0.201)	0.019	0.002
239	19.92	0.07	0.021	(0.200)	0.019	0.002
240	20.00	0.07	0.021	(0.199)	0.019	0.002
241	20.08	0.10	0.031	(0.198)	0.028	0.003
242	20.17	0.10	0.031	(0.197)	0.028	0.003
243	20.25	0.10	0.031	(0.197)	0.028	0.003
244	20.33	0.10	0.031	(0.196)	0.028	0.003

245	20.42	0.10	0.031	(0.195)	0.028	0.003
246	20.50	0.10	0.031	(0.194)	0.028	0.003
247	20.58	0.10	0.031	(0.193)	0.028	0.003
248	20.67	0.10	0.031	(0.192)	0.028	0.003
249	20.75	0.10	0.031	(0.192)	0.028	0.003
250	20.83	0.07	0.021	(0.191)	0.019	0.002
251	20.92	0.07	0.021	(0.190)	0.019	0.002
252	21.00	0.07	0.021	(0.189)	0.019	0.002
253	21.08	0.10	0.031	(0.189)	0.028	0.003
254	21.17	0.10	0.031	(0.188)	0.028	0.003
255	21.25	0.10	0.031	(0.187)	0.028	0.003
256	21.33	0.07	0.021	(0.186)	0.019	0.002
257	21.42	0.07	0.021	(0.186)	0.019	0.002
258	21.50	0.07	0.021	(0.185)	0.019	0.002
259	21.58	0.10	0.031	(0.184)	0.028	0.003
260	21.67	0.10	0.031	(0.184)	0.028	0.003
261	21.75	0.10	0.031	(0.183)	0.028	0.003
262	21.83	0.07	0.021	(0.182)	0.019	0.002
263	21.92	0.07	0.021	(0.182)	0.019	0.002
264	22.00	0.07	0.021	(0.181)	0.019	0.002
265	22.08	0.10	0.031	(0.181)	0.028	0.003
266	22.17	0.10	0.031	(0.180)	0.028	0.003
267	22.25	0.10	0.031	(0.179)	0.028	0.003
268	22.33	0.07	0.021	(0.179)	0.019	0.002
269	22.42	0.07	0.021	(0.178)	0.019	0.002
270	22.50	0.07	0.021	(0.178)	0.019	0.002
271	22.58	0.07	0.021	(0.177)	0.019	0.002
272	22.67	0.07	0.021	(0.177)	0.019	0.002
273	22.75	0.07	0.021	(0.176)	0.019	0.002
274	22.83	0.07	0.021	(0.176)	0.019	0.002
275	22.92	0.07	0.021	(0.175)	0.019	0.002
276	23.00	0.07	0.021	(0.175)	0.019	0.002
277	23.08	0.07	0.021	(0.175)	0.019	0.002
278	23.17	0.07	0.021	(0.174)	0.019	0.002
279	23.25	0.07	0.021	(0.174)	0.019	0.002
280	23.33	0.07	0.021	(0.173)	0.019	0.002
281	23.42	0.07	0.021	(0.173)	0.019	0.002
282	23.50	0.07	0.021	(0.173)	0.019	0.002
283	23.58	0.07	0.021	(0.173)	0.019	0.002
284	23.67	0.07	0.021	(0.172)	0.019	0.002
285	23.75	0.07	0.021	(0.172)	0.019	0.002
286	23.83	0.07	0.021	(0.172)	0.019	0.002
287	23.92	0.07	0.021	(0.172)	0.019	0.002
288	24.00	0.07	0.021	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.2

Flood volume = Effective rainfall 0.27(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 2.31(In)

Total soil loss = 0.229(Ac.Ft)

Total rainfall = 2.58(In)
 Flood volume = 1154.4 Cubic Feet
 Total soil loss = 9995.3 Cubic Feet

 Peak flow rate of this hydrograph = 0.067(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0000	0.00	Q				
0+20	0.0001	0.00	Q				
0+25	0.0001	0.00	Q				
0+30	0.0001	0.00	Q				
0+35	0.0001	0.00	Q				
0+40	0.0002	0.00	Q				
0+45	0.0002	0.00	Q				
0+50	0.0002	0.00	Q				
0+55	0.0002	0.00	Q				
1+ 0	0.0003	0.00	Q				
1+ 5	0.0003	0.00	Q				
1+10	0.0003	0.00	Q				
1+15	0.0004	0.00	Q				
1+20	0.0004	0.00	Q				
1+25	0.0004	0.00	Q				
1+30	0.0004	0.00	Q				
1+35	0.0005	0.00	Q				
1+40	0.0005	0.00	Q				
1+45	0.0005	0.00	Q				
1+50	0.0005	0.00	Q				
1+55	0.0006	0.00	Q				
2+ 0	0.0006	0.00	Q				
2+ 5	0.0006	0.00	Q				
2+10	0.0007	0.00	QV				
2+15	0.0007	0.00	QV				
2+20	0.0007	0.00	QV				
2+25	0.0008	0.00	QV				
2+30	0.0008	0.00	QV				
2+35	0.0009	0.01	QV				
2+40	0.0009	0.01	QV				
2+45	0.0009	0.01	QV				
2+50	0.0010	0.01	QV				
2+55	0.0010	0.01	QV				

3+ 0	0.0011	0.01	QV				
3+ 5	0.0011	0.01	QV				
3+10	0.0012	0.01	QV				
3+15	0.0012	0.01	QV				
3+20	0.0012	0.01	QV				
3+25	0.0013	0.01	QV				
3+30	0.0013	0.01	QV				
3+35	0.0014	0.01	Q V				
3+40	0.0014	0.01	Q V				
3+45	0.0014	0.01	Q V				
3+50	0.0015	0.01	Q V				
3+55	0.0015	0.01	Q V				
4+ 0	0.0016	0.01	Q V				
4+ 5	0.0016	0.01	Q V				
4+10	0.0017	0.01	Q V				
4+15	0.0017	0.01	Q V				
4+20	0.0018	0.01	Q V				
4+25	0.0019	0.01	Q V				
4+30	0.0019	0.01	Q V				
4+35	0.0020	0.01	Q V				
4+40	0.0020	0.01	Q V				
4+45	0.0021	0.01	Q V				
4+50	0.0022	0.01	Q V				
4+55	0.0022	0.01	Q V				
5+ 0	0.0023	0.01	Q V				
5+ 5	0.0024	0.01	Q V				
5+10	0.0024	0.01	Q V				
5+15	0.0025	0.01	Q V				
5+20	0.0025	0.01	Q V				
5+25	0.0026	0.01	Q V				
5+30	0.0026	0.01	Q V				
5+35	0.0027	0.01	Q V				
5+40	0.0028	0.01	Q V				
5+45	0.0028	0.01	Q V				
5+50	0.0029	0.01	Q V				
5+55	0.0030	0.01	Q V				
6+ 0	0.0030	0.01	Q V				
6+ 5	0.0031	0.01	Q V				
6+10	0.0032	0.01	Q V				
6+15	0.0033	0.01	Q V				
6+20	0.0033	0.01	Q V				
6+25	0.0034	0.01	Q V				
6+30	0.0035	0.01	Q V				
6+35	0.0036	0.01	Q V				
6+40	0.0037	0.01	Q V				
6+45	0.0037	0.01	Q V				
6+50	0.0038	0.01	Q V				
6+55	0.0039	0.01	Q V				
7+ 0	0.0040	0.01	Q V				
7+ 5	0.0041	0.01	Q V				

7+10	0.0042	0.01	Q	V				
7+15	0.0043	0.01	Q	V				
7+20	0.0043	0.01	Q	V				
7+25	0.0044	0.01	Q	V				
7+30	0.0045	0.01	Q	V				
7+35	0.0046	0.01	Q	V				
7+40	0.0047	0.01	Q	V				
7+45	0.0048	0.01	Q	V				
7+50	0.0049	0.02	Q	V				
7+55	0.0050	0.02	Q	V				
8+ 0	0.0052	0.02	Q	V				
8+ 5	0.0053	0.02	Q	V				
8+10	0.0054	0.02	Q	V				
8+15	0.0055	0.02	Q	V				
8+20	0.0057	0.02	Q	V				
8+25	0.0058	0.02	Q	V				
8+30	0.0059	0.02	Q	V				
8+35	0.0060	0.02	Q	V				
8+40	0.0062	0.02	Q	V				
8+45	0.0063	0.02	Q	V				
8+50	0.0065	0.02	Q	V				
8+55	0.0066	0.02	Q	V				
9+ 0	0.0067	0.02	Q	V				
9+ 5	0.0069	0.02	Q	V				
9+10	0.0071	0.02	Q	V				
9+15	0.0072	0.02	Q	V				
9+20	0.0074	0.02	Q	V				
9+25	0.0075	0.02	Q	V				
9+30	0.0077	0.02	Q	V				
9+35	0.0079	0.03	Q	V				
9+40	0.0081	0.03	Q	V				
9+45	0.0082	0.03	Q	V				
9+50	0.0084	0.03	Q	V				
9+55	0.0086	0.03	Q	V				
10+ 0	0.0088	0.03	Q	V				
10+ 5	0.0090	0.02	Q	V				
10+10	0.0091	0.02	Q	V				
10+15	0.0092	0.02	Q	V				
10+20	0.0094	0.02	Q	V				
10+25	0.0095	0.02	Q	V				
10+30	0.0096	0.02	Q	V				
10+35	0.0098	0.02	Q	V				
10+40	0.0099	0.02	Q	V				
10+45	0.0101	0.02	Q	V				
10+50	0.0103	0.02	Q	V				
10+55	0.0104	0.02	Q	V				
11+ 0	0.0106	0.02	Q	V				
11+ 5	0.0108	0.02	Q	V				
11+10	0.0109	0.02	Q	V				
11+15	0.0111	0.02	Q	V				

11+20	0.0113	0.02	Q	V			
11+25	0.0114	0.02	Q	V			
11+30	0.0116	0.02	Q	V			
11+35	0.0117	0.02	Q	V			
11+40	0.0119	0.02	Q	V			
11+45	0.0120	0.02	Q	V			
11+50	0.0122	0.02	Q	V			
11+55	0.0123	0.02	Q	V			
12+ 0	0.0125	0.02	Q	V			
12+ 5	0.0127	0.03	Q	V			
12+10	0.0129	0.03	Q	V			
12+15	0.0131	0.03	Q	V			
12+20	0.0133	0.03	Q	V			
12+25	0.0135	0.03	Q	V			
12+30	0.0137	0.03	Q	V			
12+35	0.0140	0.03	Q	V			
12+40	0.0142	0.03	Q	V			
12+45	0.0144	0.03	Q	V			
12+50	0.0147	0.04	Q	V			
12+55	0.0149	0.04	Q	V			
13+ 0	0.0152	0.04	Q	V			
13+ 5	0.0155	0.05	Q	V			
13+10	0.0159	0.06	Q	V			
13+15	0.0163	0.06	Q	V			
13+20	0.0167	0.06	Q	V			
13+25	0.0172	0.07	Q	V			
13+30	0.0176	0.07	Q	V			
13+35	0.0180	0.05	Q	V			
13+40	0.0182	0.03	Q	V			
13+45	0.0185	0.03	Q	V			
13+50	0.0187	0.03	Q	V			
13+55	0.0189	0.03	Q	V			
14+ 0	0.0190	0.03	Q	V			
14+ 5	0.0193	0.03	Q	V			
14+10	0.0195	0.03	Q	V			
14+15	0.0197	0.03	Q	V			
14+20	0.0199	0.03	Q	V			
14+25	0.0202	0.03	Q	V			
14+30	0.0204	0.03	Q	V			
14+35	0.0206	0.03	Q	V			
14+40	0.0208	0.03	Q	V			
14+45	0.0210	0.03	Q	V			
14+50	0.0213	0.03	Q	V			
14+55	0.0215	0.03	Q	V			
15+ 0	0.0217	0.03	Q	V			
15+ 5	0.0219	0.03	Q	V			
15+10	0.0221	0.03	Q	V			
15+15	0.0223	0.03	Q	V			
15+20	0.0225	0.03	Q	V			
15+25	0.0227	0.03	Q	V			

15+30	0.0229	0.03	Q				V
15+35	0.0231	0.03	Q				V
15+40	0.0233	0.02	Q				V
15+45	0.0234	0.02	Q				V
15+50	0.0236	0.02	Q				V
15+55	0.0238	0.02	Q				V
16+ 0	0.0239	0.02	Q				V
16+ 5	0.0240	0.02	Q				V
16+10	0.0241	0.01	Q				V
16+15	0.0241	0.01	Q				V
16+20	0.0242	0.01	Q				V
16+25	0.0242	0.00	Q				V
16+30	0.0242	0.00	Q				V
16+35	0.0243	0.00	Q				V
16+40	0.0243	0.00	Q				V
16+45	0.0243	0.00	Q				V
16+50	0.0243	0.00	Q				V
16+55	0.0244	0.00	Q				V
17+ 0	0.0244	0.00	Q				V
17+ 5	0.0244	0.00	Q				V
17+10	0.0245	0.01	Q				V
17+15	0.0245	0.01	Q				V
17+20	0.0245	0.01	Q				V
17+25	0.0246	0.01	Q				V
17+30	0.0246	0.01	Q				V
17+35	0.0247	0.01	Q				V
17+40	0.0247	0.01	Q				V
17+45	0.0248	0.01	Q				V
17+50	0.0248	0.01	Q				V
17+55	0.0248	0.01	Q				V
18+ 0	0.0249	0.01	Q				V
18+ 5	0.0249	0.00	Q				V
18+10	0.0249	0.00	Q				V
18+15	0.0250	0.00	Q				V
18+20	0.0250	0.00	Q				V
18+25	0.0250	0.00	Q				V
18+30	0.0251	0.00	Q				V
18+35	0.0251	0.00	Q				V
18+40	0.0251	0.00	Q				V
18+45	0.0251	0.00	Q				V
18+50	0.0252	0.00	Q				V
18+55	0.0252	0.00	Q				V
19+ 0	0.0252	0.00	Q				V
19+ 5	0.0252	0.00	Q				V
19+10	0.0253	0.00	Q				V
19+15	0.0253	0.00	Q				V
19+20	0.0253	0.00	Q				V
19+25	0.0253	0.00	Q				V
19+30	0.0254	0.00	Q				V
19+35	0.0254	0.00	Q				V

19+40	0.0254	0.00	Q				V
19+45	0.0255	0.00	Q				V
19+50	0.0255	0.00	Q				V
19+55	0.0255	0.00	Q				V
20+ 0	0.0255	0.00	Q				V
20+ 5	0.0255	0.00	Q				V
20+10	0.0256	0.00	Q				V
20+15	0.0256	0.00	Q				V
20+20	0.0256	0.00	Q				V
20+25	0.0256	0.00	Q				V
20+30	0.0257	0.00	Q				V
20+35	0.0257	0.00	Q				V
20+40	0.0257	0.00	Q				V
20+45	0.0257	0.00	Q				V
20+50	0.0258	0.00	Q				V
20+55	0.0258	0.00	Q				V
21+ 0	0.0258	0.00	Q				V
21+ 5	0.0258	0.00	Q				V
21+10	0.0258	0.00	Q				V
21+15	0.0259	0.00	Q				V
21+20	0.0259	0.00	Q				V
21+25	0.0259	0.00	Q				V
21+30	0.0259	0.00	Q				V
21+35	0.0259	0.00	Q				V
21+40	0.0260	0.00	Q				V
21+45	0.0260	0.00	Q				V
21+50	0.0260	0.00	Q				V
21+55	0.0260	0.00	Q				V
22+ 0	0.0261	0.00	Q				V
22+ 5	0.0261	0.00	Q				V
22+10	0.0261	0.00	Q				V
22+15	0.0261	0.00	Q				V
22+20	0.0261	0.00	Q				V
22+25	0.0262	0.00	Q				V
22+30	0.0262	0.00	Q				V
22+35	0.0262	0.00	Q				V
22+40	0.0262	0.00	Q				V
22+45	0.0262	0.00	Q				V
22+50	0.0262	0.00	Q				V
22+55	0.0263	0.00	Q				V
23+ 0	0.0263	0.00	Q				V
23+ 5	0.0263	0.00	Q				V
23+10	0.0263	0.00	Q				V
23+15	0.0263	0.00	Q				V
23+20	0.0264	0.00	Q				V
23+25	0.0264	0.00	Q				V
23+30	0.0264	0.00	Q				V
23+35	0.0264	0.00	Q				V
23+40	0.0264	0.00	Q				V
23+45	0.0264	0.00	Q				V

23+50	0.0265	0.00	Q				V
23+55	0.0265	0.00	Q				V
24+ 0	0.0265	0.00	Q				V
24+ 5	0.0265	0.00	Q				V
24+10	0.0265	0.00	Q				V
24+15	0.0265	0.00	Q				V
24+20	0.0265	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda165.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.343)	0.080	0.009
2	0.17	0.60	0.107	(0.343)	0.096	0.011
3	0.25	0.60	0.107	(0.343)	0.096	0.011
4	0.33	0.60	0.107	(0.343)	0.096	0.011
5	0.42	0.60	0.107	(0.343)	0.096	0.011
6	0.50	0.70	0.125	(0.343)	0.112	0.012
7	0.58	0.70	0.125	(0.343)	0.112	0.012
8	0.67	0.70	0.125	(0.343)	0.112	0.012
9	0.75	0.70	0.125	(0.343)	0.112	0.012
10	0.83	0.70	0.125	(0.343)	0.112	0.012
11	0.92	0.70	0.125	(0.343)	0.112	0.012
12	1.00	0.80	0.143	(0.343)	0.128	0.014
13	1.08	0.80	0.143	(0.343)	0.128	0.014
14	1.17	0.80	0.143	(0.343)	0.128	0.014
15	1.25	0.80	0.143	(0.343)	0.128	0.014
16	1.33	0.80	0.143	(0.343)	0.128	0.014
17	1.42	0.80	0.143	(0.343)	0.128	0.014
18	1.50	0.80	0.143	(0.343)	0.128	0.014
19	1.58	0.80	0.143	(0.343)	0.128	0.014
20	1.67	0.80	0.143	(0.343)	0.128	0.014
21	1.75	0.80	0.143	(0.343)	0.128	0.014
22	1.83	0.80	0.143	(0.343)	0.128	0.014
23	1.92	0.80	0.143	(0.343)	0.128	0.014
24	2.00	0.90	0.160	(0.343)	0.144	0.016
25	2.08	0.80	0.143	(0.343)	0.128	0.014
26	2.17	0.90	0.160	(0.343)	0.144	0.016
27	2.25	0.90	0.160	(0.343)	0.144	0.016
28	2.33	0.90	0.160	(0.343)	0.144	0.016
29	2.42	0.90	0.160	(0.343)	0.144	0.016
30	2.50	0.90	0.160	(0.343)	0.144	0.016
31	2.58	0.90	0.160	(0.343)	0.144	0.016
32	2.67	0.90	0.160	(0.343)	0.144	0.016
33	2.75	1.00	0.178	(0.343)	0.160	0.018
34	2.83	1.00	0.178	(0.343)	0.160	0.018
35	2.92	1.00	0.178	(0.343)	0.160	0.018
36	3.00	1.00	0.178	(0.343)	0.160	0.018
37	3.08	1.00	0.178	(0.343)	0.160	0.018
38	3.17	1.10	0.196	(0.343)	0.177	0.020
39	3.25	1.10	0.196	(0.343)	0.177	0.020
40	3.33	1.10	0.196	(0.343)	0.177	0.020
41	3.42	1.20	0.214	(0.343)	0.193	0.021
42	3.50	1.30	0.232	(0.343)	0.209	0.023
43	3.58	1.40	0.250	(0.343)	0.225	0.025
44	3.67	1.40	0.250	(0.343)	0.225	0.025

45	3.75	1.50	0.267	(0.343)	0.241	0.027
46	3.83	1.50	0.267	(0.343)	0.241	0.027
47	3.92	1.60	0.285	(0.343)	0.257	0.029
48	4.00	1.60	0.285	(0.343)	0.257	0.029
49	4.08	1.70	0.303	(0.343)	0.273	0.030
50	4.17	1.80	0.321	(0.343)	0.289	0.032
51	4.25	1.90	0.339	(0.343)	0.305	0.034
52	4.33	2.00	0.357	(0.343)	0.321	0.036
53	4.42	2.10	0.374	(0.343)	0.337	0.037
54	4.50	2.10	0.374	(0.343)	0.337	0.037
55	4.58	2.20	0.392	0.343 (0.353)		0.049
56	4.67	2.30	0.410	0.343 (0.369)		0.067
57	4.75	2.40	0.428	0.343 (0.385)		0.085
58	4.83	2.40	0.428	0.343 (0.385)		0.085
59	4.92	2.50	0.446	0.343 (0.401)		0.103
60	5.00	2.60	0.464	0.343 (0.417)		0.121
61	5.08	3.10	0.553	0.343 (0.498)		0.210
62	5.17	3.60	0.642	0.343 (0.578)		0.299
63	5.25	3.90	0.695	0.343 (0.626)		0.352
64	5.33	4.20	0.749	0.343 (0.674)		0.406
65	5.42	4.70	0.838	0.343 (0.754)		0.495
66	5.50	5.60	0.999	0.343 (0.899)		0.655
67	5.58	1.90	0.339	(0.343)	0.305	0.034
68	5.67	0.90	0.160	(0.343)	0.144	0.016
69	5.75	0.60	0.107	(0.343)	0.096	0.011
70	5.83	0.50	0.089	(0.343)	0.080	0.009
71	5.92	0.30	0.053	(0.343)	0.048	0.005
72	6.00	0.20	0.036	(0.343)	0.032	0.004

(Loss Rate Not Used)

Sum = 100.0

Sum = 4.0

Flood volume = Effective rainfall 0.33(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 1.15(In)
Total soil loss = 0.114(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 1441.7 Cubic Feet
Total soil loss = 4977.4 Cubic Feet

Peak flow rate of this hydrograph = 0.651(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				

0+10	0.0001	0.01	Q				
0+15	0.0002	0.01	Q				
0+20	0.0003	0.01	Q				
0+25	0.0004	0.01	Q				
0+30	0.0004	0.01	Q				
0+35	0.0006	0.01	Q				
0+40	0.0007	0.01	Q				
0+45	0.0008	0.01	Q				
0+50	0.0009	0.01	QV				
0+55	0.0010	0.01	QV				
1+ 0	0.0011	0.02	QV				
1+ 5	0.0012	0.02	QV				
1+10	0.0013	0.02	QV				
1+15	0.0014	0.02	QV				
1+20	0.0015	0.02	QV				
1+25	0.0017	0.02	Q V				
1+30	0.0018	0.02	Q V				
1+35	0.0019	0.02	Q V				
1+40	0.0020	0.02	Q V				
1+45	0.0021	0.02	Q V				
1+50	0.0022	0.02	Q V				
1+55	0.0024	0.02	Q V				
2+ 0	0.0025	0.02	Q V				
2+ 5	0.0026	0.02	Q V				
2+10	0.0027	0.02	Q V				
2+15	0.0029	0.02	Q V				
2+20	0.0030	0.02	Q V				
2+25	0.0031	0.02	Q V				
2+30	0.0033	0.02	Q V				
2+35	0.0034	0.02	Q V				
2+40	0.0035	0.02	Q V				
2+45	0.0037	0.02	Q V				
2+50	0.0038	0.02	Q V				
2+55	0.0040	0.02	Q V				
3+ 0	0.0041	0.02	Q V				
3+ 5	0.0043	0.02	Q V				
3+10	0.0044	0.02	Q V				
3+15	0.0046	0.02	Q V				
3+20	0.0047	0.02	Q V				
3+25	0.0049	0.02	Q V				
3+30	0.0051	0.03	Q V				
3+35	0.0053	0.03	Q V				
3+40	0.0055	0.03	Q V				
3+45	0.0057	0.03	Q V				
3+50	0.0059	0.03	Q V				
3+55	0.0061	0.03	Q V				
4+ 0	0.0064	0.03	Q V				
4+ 5	0.0066	0.03	Q V				
4+10	0.0069	0.04	Q V				
4+15	0.0071	0.04	Q V				

4+20	0.0074	0.04	Q	V				
4+25	0.0077	0.04	Q	V				
4+30	0.0080	0.04	Q	V				
4+35	0.0084	0.05	Q	V				
4+40	0.0088	0.07	Q	V				
4+45	0.0094	0.09	Q	V				
4+50	0.0101	0.10	Q	V				
4+55	0.0108	0.11	Q	V				
5+ 0	0.0117	0.13	Q	V				
5+ 5	0.0130	0.18	Q	V				
5+10	0.0149	0.28	Q	V				
5+15	0.0174	0.36	Q	V				
5+20	0.0203	0.43	Q	V				
5+25	0.0239	0.52	Q	V				
5+30	0.0284	0.65	Q	V				
5+35	0.0315	0.45	Q	V				
5+40	0.0324	0.13	Q	V				
5+45	0.0328	0.06	Q	V				
5+50	0.0330	0.03	Q	V				
5+55	0.0330	0.01	Q	V				
6+ 0	0.0331	0.01	Q	V				
6+ 5	0.0331	0.00	Q	V				
6+10	0.0331	0.00	Q	V				
6+15	0.0331	0.00	Q	V				
6+20	0.0331	0.00	Q	V				

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda135.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.343)	0.152	0.017
2	0.17	1.30	0.169	(0.343)	0.152	0.017
3	0.25	1.10	0.143	(0.343)	0.129	0.014
4	0.33	1.50	0.195	(0.343)	0.176	0.020
5	0.42	1.50	0.195	(0.343)	0.176	0.020
6	0.50	1.80	0.234	(0.343)	0.211	0.023
7	0.58	1.50	0.195	(0.343)	0.176	0.020
8	0.67	1.80	0.234	(0.343)	0.211	0.023
9	0.75	1.80	0.234	(0.343)	0.211	0.023
10	0.83	1.50	0.195	(0.343)	0.176	0.020
11	0.92	1.60	0.208	(0.343)	0.187	0.021
12	1.00	1.80	0.234	(0.343)	0.211	0.023
13	1.08	2.20	0.286	(0.343)	0.258	0.029
14	1.17	2.20	0.286	(0.343)	0.258	0.029
15	1.25	2.20	0.286	(0.343)	0.258	0.029
16	1.33	2.00	0.260	(0.343)	0.234	0.026
17	1.42	2.60	0.338	(0.343)	0.305	0.034
18	1.50	2.70	0.351	(0.343)	0.316	0.035
19	1.58	2.40	0.312	(0.343)	0.281	0.031
20	1.67	2.70	0.351	(0.343)	0.316	0.035
21	1.75	3.30	0.430	0.343	(0.387)	0.086
22	1.83	3.10	0.404	0.343	(0.363)	0.060
23	1.92	2.90	0.377	(0.343)	0.340	0.038
24	2.00	3.00	0.390	0.343	(0.351)	0.047
25	2.08	3.10	0.404	0.343	(0.363)	0.060
26	2.17	4.20	0.547	0.343	(0.492)	0.204
27	2.25	5.00	0.651	0.343	(0.586)	0.308
28	2.33	3.50	0.456	0.343	(0.410)	0.112
29	2.42	6.80	0.885	0.343	(0.797)	0.542
30	2.50	7.30	0.950	0.343	(0.855)	0.607
31	2.58	8.20	1.067	0.343	(0.961)	0.724
32	2.67	5.90	0.768	0.343	(0.691)	0.425
33	2.75	2.00	0.260	(0.343)	0.234	0.026
34	2.83	1.80	0.234	(0.343)	0.211	0.023
35	2.92	1.80	0.234	(0.343)	0.211	0.023
36	3.00	0.60	0.078	(0.343)	0.070	0.008

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.8

Flood volume = Effective rainfall 0.32(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.77(In)

Total soil loss = 0.076(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 1361.8 Cubic Feet

Total soil loss = 3323.8 Cubic Feet

Peak flow rate of this hydrograph = 0.749(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0002		0.02	Q				
0+15	0.0003		0.02	Q				
0+20	0.0004		0.02	Q				
0+25	0.0006		0.02	Q				
0+30	0.0008		0.03	Q				
0+35	0.0009		0.03	QV				
0+40	0.0011		0.03	QV				
0+45	0.0013		0.03	QV				
0+50	0.0015		0.03	QV				
0+55	0.0017		0.02	Q V				
1+ 0	0.0018		0.03	Q V				
1+ 5	0.0020		0.03	Q V				
1+10	0.0023		0.03	Q V				
1+15	0.0025		0.03	Q V				
1+20	0.0027		0.03	Q V				
1+25	0.0030		0.04	Q V				
1+30	0.0033		0.04	Q V				
1+35	0.0035		0.04	Q V				
1+40	0.0038		0.04	Q V				
1+45	0.0043		0.07	Q V				
1+50	0.0048		0.08	Q V				
1+55	0.0053		0.06	Q V				
2+ 0	0.0056		0.05	Q V				
2+ 5	0.0061		0.06	Q V				
2+10	0.0070		0.14	Q V				
2+15	0.0089		0.27	Q	V			
2+20	0.0106		0.25	Q	V			
2+25	0.0131		0.37	Q	V			
2+30	0.0174		0.62	Q		V		
2+35	0.0225		0.75	Q		V		
2+40	0.0273		0.69	Q			V	
2+45	0.0297		0.36	Q				V
2+50	0.0306		0.12	Q				V
2+55	0.0310		0.06	Q				V
3+ 0	0.0312		0.03	Q				V
3+ 5	0.0312		0.01	Q				V

3+10	0.0313	0.00	Q				V
3+15	0.0313	0.00	Q				V
3+20	0.0313	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda115.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.343)	0.294	0.033
2	0.17	4.30	0.335	(0.343)	0.301	0.033
3	0.25	5.00	0.389	0.343	(0.350)	0.046
4	0.33	5.00	0.389	0.343	(0.350)	0.046
5	0.42	5.80	0.452	0.343	(0.406)	0.108
6	0.50	6.50	0.506	0.343	(0.455)	0.163
7	0.58	7.40	0.576	0.343	(0.519)	0.233
8	0.67	8.60	0.670	0.343	(0.603)	0.326
9	0.75	12.30	0.958	0.343	(0.862)	0.615
10	0.83	29.10	2.266	0.343	(2.039)	1.923
11	0.92	6.80	0.529	0.343	(0.476)	0.186
12	1.00	5.00	0.389	0.343	(0.350)	0.046

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.8

Flood volume = Effective rainfall $0.31(\text{In})$

times area $1.2(\text{Ac.})/[(\text{In})/(\text{Ft.})] = 0.0(\text{Ac.Ft})$

Total soil loss = $0.34(\text{In})$

Total soil loss = 0.033(Ac.Ft)

Total rainfall = 0.65(In)

Flood volume = 1353.1 Cubic Feet

Total soil loss = 1449.6 Cubic Feet

Peak flow rate of this hydrograph = 1.315(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	θ	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.02	Q				
0+10	0.0003		0.03	Q				
0+15	0.0006		0.04	Q				
0+20	0.0010		0.05	QV				
0+25	0.0016		0.08	Q V				
0+30	0.0026		0.15	Q V				
0+35	0.0041		0.22	Q V				
0+40	0.0062		0.31	Q V				
0+45	0.0097		0.51	Q V	V			

0+50	0.0188	1.31		Q				V			
0+55	0.0271	1.21		Q						V	
1+ 0	0.0296	0.37		Q							
1+ 5	0.0307	0.15	Q								
1+10	0.0310	0.05	Q								
1+15	0.0311	0.01	Q								
1+20	0.0311	0.00	Q								

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda1242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.608)	0.014	0.002
2	0.17	0.07	0.015	(0.606)	0.014	0.002
3	0.25	0.07	0.015	(0.604)	0.014	0.002
4	0.33	0.10	0.023	(0.601)	0.021	0.002
5	0.42	0.10	0.023	(0.599)	0.021	0.002
6	0.50	0.10	0.023	(0.597)	0.021	0.002
7	0.58	0.10	0.023	(0.594)	0.021	0.002
8	0.67	0.10	0.023	(0.592)	0.021	0.002
9	0.75	0.10	0.023	(0.590)	0.021	0.002
10	0.83	0.13	0.031	(0.587)	0.028	0.003
11	0.92	0.13	0.031	(0.585)	0.028	0.003
12	1.00	0.13	0.031	(0.583)	0.028	0.003
13	1.08	0.10	0.023	(0.580)	0.021	0.002
14	1.17	0.10	0.023	(0.578)	0.021	0.002
15	1.25	0.10	0.023	(0.576)	0.021	0.002
16	1.33	0.10	0.023	(0.573)	0.021	0.002
17	1.42	0.10	0.023	(0.571)	0.021	0.002
18	1.50	0.10	0.023	(0.569)	0.021	0.002
19	1.58	0.10	0.023	(0.567)	0.021	0.002
20	1.67	0.10	0.023	(0.564)	0.021	0.002
21	1.75	0.10	0.023	(0.562)	0.021	0.002
22	1.83	0.13	0.031	(0.560)	0.028	0.003
23	1.92	0.13	0.031	(0.558)	0.028	0.003
24	2.00	0.13	0.031	(0.555)	0.028	0.003
25	2.08	0.13	0.031	(0.553)	0.028	0.003
26	2.17	0.13	0.031	(0.551)	0.028	0.003
27	2.25	0.13	0.031	(0.549)	0.028	0.003
28	2.33	0.13	0.031	(0.546)	0.028	0.003
29	2.42	0.13	0.031	(0.544)	0.028	0.003
30	2.50	0.13	0.031	(0.542)	0.028	0.003
31	2.58	0.17	0.039	(0.540)	0.035	0.004
32	2.67	0.17	0.039	(0.537)	0.035	0.004
33	2.75	0.17	0.039	(0.535)	0.035	0.004
34	2.83	0.17	0.039	(0.533)	0.035	0.004
35	2.92	0.17	0.039	(0.531)	0.035	0.004
36	3.00	0.17	0.039	(0.529)	0.035	0.004
37	3.08	0.17	0.039	(0.526)	0.035	0.004
38	3.17	0.17	0.039	(0.524)	0.035	0.004
39	3.25	0.17	0.039	(0.522)	0.035	0.004
40	3.33	0.17	0.039	(0.520)	0.035	0.004
41	3.42	0.17	0.039	(0.518)	0.035	0.004
42	3.50	0.17	0.039	(0.516)	0.035	0.004
43	3.58	0.17	0.039	(0.513)	0.035	0.004
44	3.67	0.17	0.039	(0.511)	0.035	0.004

45	3.75	0.17	0.039	(0.509)	0.035	0.004
46	3.83	0.20	0.046	(0.507)	0.042	0.005
47	3.92	0.20	0.046	(0.505)	0.042	0.005
48	4.00	0.20	0.046	(0.503)	0.042	0.005
49	4.08	0.20	0.046	(0.501)	0.042	0.005
50	4.17	0.20	0.046	(0.498)	0.042	0.005
51	4.25	0.20	0.046	(0.496)	0.042	0.005
52	4.33	0.23	0.054	(0.494)	0.049	0.005
53	4.42	0.23	0.054	(0.492)	0.049	0.005
54	4.50	0.23	0.054	(0.490)	0.049	0.005
55	4.58	0.23	0.054	(0.488)	0.049	0.005
56	4.67	0.23	0.054	(0.486)	0.049	0.005
57	4.75	0.23	0.054	(0.484)	0.049	0.005
58	4.83	0.27	0.062	(0.482)	0.056	0.006
59	4.92	0.27	0.062	(0.480)	0.056	0.006
60	5.00	0.27	0.062	(0.477)	0.056	0.006
61	5.08	0.20	0.046	(0.475)	0.042	0.005
62	5.17	0.20	0.046	(0.473)	0.042	0.005
63	5.25	0.20	0.046	(0.471)	0.042	0.005
64	5.33	0.23	0.054	(0.469)	0.049	0.005
65	5.42	0.23	0.054	(0.467)	0.049	0.005
66	5.50	0.23	0.054	(0.465)	0.049	0.005
67	5.58	0.27	0.062	(0.463)	0.056	0.006
68	5.67	0.27	0.062	(0.461)	0.056	0.006
69	5.75	0.27	0.062	(0.459)	0.056	0.006
70	5.83	0.27	0.062	(0.457)	0.056	0.006
71	5.92	0.27	0.062	(0.455)	0.056	0.006
72	6.00	0.27	0.062	(0.453)	0.056	0.006
73	6.08	0.30	0.069	(0.451)	0.063	0.007
74	6.17	0.30	0.069	(0.449)	0.063	0.007
75	6.25	0.30	0.069	(0.447)	0.063	0.007
76	6.33	0.30	0.069	(0.445)	0.063	0.007
77	6.42	0.30	0.069	(0.443)	0.063	0.007
78	6.50	0.30	0.069	(0.441)	0.063	0.007
79	6.58	0.33	0.077	(0.439)	0.069	0.008
80	6.67	0.33	0.077	(0.437)	0.069	0.008
81	6.75	0.33	0.077	(0.435)	0.069	0.008
82	6.83	0.33	0.077	(0.433)	0.069	0.008
83	6.92	0.33	0.077	(0.431)	0.069	0.008
84	7.00	0.33	0.077	(0.429)	0.069	0.008
85	7.08	0.33	0.077	(0.427)	0.069	0.008
86	7.17	0.33	0.077	(0.425)	0.069	0.008
87	7.25	0.33	0.077	(0.423)	0.069	0.008
88	7.33	0.37	0.085	(0.421)	0.076	0.008
89	7.42	0.37	0.085	(0.419)	0.076	0.008
90	7.50	0.37	0.085	(0.417)	0.076	0.008
91	7.58	0.40	0.093	(0.416)	0.083	0.009
92	7.67	0.40	0.093	(0.414)	0.083	0.009
93	7.75	0.40	0.093	(0.412)	0.083	0.009
94	7.83	0.43	0.100	(0.410)	0.090	0.010

95	7.92	0.43	0.100	(0.408)	0.090	0.010
96	8.00	0.43	0.100	(0.406)	0.090	0.010
97	8.08	0.50	0.116	(0.404)	0.104	0.012
98	8.17	0.50	0.116	(0.402)	0.104	0.012
99	8.25	0.50	0.116	(0.400)	0.104	0.012
100	8.33	0.50	0.116	(0.399)	0.104	0.012
101	8.42	0.50	0.116	(0.397)	0.104	0.012
102	8.50	0.50	0.116	(0.395)	0.104	0.012
103	8.58	0.53	0.124	(0.393)	0.111	0.012
104	8.67	0.53	0.124	(0.391)	0.111	0.012
105	8.75	0.53	0.124	(0.389)	0.111	0.012
106	8.83	0.57	0.131	(0.387)	0.118	0.013
107	8.92	0.57	0.131	(0.386)	0.118	0.013
108	9.00	0.57	0.131	(0.384)	0.118	0.013
109	9.08	0.63	0.147	(0.382)	0.132	0.015
110	9.17	0.63	0.147	(0.380)	0.132	0.015
111	9.25	0.63	0.147	(0.378)	0.132	0.015
112	9.33	0.67	0.154	(0.377)	0.139	0.015
113	9.42	0.67	0.154	(0.375)	0.139	0.015
114	9.50	0.67	0.154	(0.373)	0.139	0.015
115	9.58	0.70	0.162	(0.371)	0.146	0.016
116	9.67	0.70	0.162	(0.369)	0.146	0.016
117	9.75	0.70	0.162	(0.368)	0.146	0.016
118	9.83	0.73	0.170	(0.366)	0.153	0.017
119	9.92	0.73	0.170	(0.364)	0.153	0.017
120	10.00	0.73	0.170	(0.362)	0.153	0.017
121	10.08	0.50	0.116	(0.361)	0.104	0.012
122	10.17	0.50	0.116	(0.359)	0.104	0.012
123	10.25	0.50	0.116	(0.357)	0.104	0.012
124	10.33	0.50	0.116	(0.355)	0.104	0.012
125	10.42	0.50	0.116	(0.354)	0.104	0.012
126	10.50	0.50	0.116	(0.352)	0.104	0.012
127	10.58	0.67	0.154	(0.350)	0.139	0.015
128	10.67	0.67	0.154	(0.348)	0.139	0.015
129	10.75	0.67	0.154	(0.347)	0.139	0.015
130	10.83	0.67	0.154	(0.345)	0.139	0.015
131	10.92	0.67	0.154	(0.343)	0.139	0.015
132	11.00	0.67	0.154	(0.342)	0.139	0.015
133	11.08	0.63	0.147	(0.340)	0.132	0.015
134	11.17	0.63	0.147	(0.338)	0.132	0.015
135	11.25	0.63	0.147	(0.337)	0.132	0.015
136	11.33	0.63	0.147	(0.335)	0.132	0.015
137	11.42	0.63	0.147	(0.333)	0.132	0.015
138	11.50	0.63	0.147	(0.332)	0.132	0.015
139	11.58	0.57	0.131	(0.330)	0.118	0.013
140	11.67	0.57	0.131	(0.328)	0.118	0.013
141	11.75	0.57	0.131	(0.327)	0.118	0.013
142	11.83	0.60	0.139	(0.325)	0.125	0.014
143	11.92	0.60	0.139	(0.324)	0.125	0.014
144	12.00	0.60	0.139	(0.322)	0.125	0.014

145	12.08	0.83	0.193	(0.320)	0.174	0.019
146	12.17	0.83	0.193	(0.319)	0.174	0.019
147	12.25	0.83	0.193	(0.317)	0.174	0.019
148	12.33	0.87	0.201	(0.316)	0.181	0.020
149	12.42	0.87	0.201	(0.314)	0.181	0.020
150	12.50	0.87	0.201	(0.312)	0.181	0.020
151	12.58	0.93	0.216	(0.311)	0.195	0.022
152	12.67	0.93	0.216	(0.309)	0.195	0.022
153	12.75	0.93	0.216	(0.308)	0.195	0.022
154	12.83	0.97	0.224	(0.306)	0.201	0.022
155	12.92	0.97	0.224	(0.305)	0.201	0.022
156	13.00	0.97	0.224	(0.303)	0.201	0.022
157	13.08	1.13	0.262	(0.301)	0.236	0.026
158	13.17	1.13	0.262	(0.300)	0.236	0.026
159	13.25	1.13	0.262	(0.298)	0.236	0.026
160	13.33	1.13	0.262	(0.297)	0.236	0.026
161	13.42	1.13	0.262	(0.295)	0.236	0.026
162	13.50	1.13	0.262	(0.294)	0.236	0.026
163	13.58	0.77	0.178	(0.292)	0.160	0.018
164	13.67	0.77	0.178	(0.291)	0.160	0.018
165	13.75	0.77	0.178	(0.289)	0.160	0.018
166	13.83	0.77	0.178	(0.288)	0.160	0.018
167	13.92	0.77	0.178	(0.286)	0.160	0.018
168	14.00	0.77	0.178	(0.285)	0.160	0.018
169	14.08	0.90	0.208	(0.284)	0.188	0.021
170	14.17	0.90	0.208	(0.282)	0.188	0.021
171	14.25	0.90	0.208	(0.281)	0.188	0.021
172	14.33	0.87	0.201	(0.279)	0.181	0.020
173	14.42	0.87	0.201	(0.278)	0.181	0.020
174	14.50	0.87	0.201	(0.276)	0.181	0.020
175	14.58	0.87	0.201	(0.275)	0.181	0.020
176	14.67	0.87	0.201	(0.274)	0.181	0.020
177	14.75	0.87	0.201	(0.272)	0.181	0.020
178	14.83	0.83	0.193	(0.271)	0.174	0.019
179	14.92	0.83	0.193	(0.269)	0.174	0.019
180	15.00	0.83	0.193	(0.268)	0.174	0.019
181	15.08	0.80	0.185	(0.267)	0.167	0.019
182	15.17	0.80	0.185	(0.265)	0.167	0.019
183	15.25	0.80	0.185	(0.264)	0.167	0.019
184	15.33	0.77	0.178	(0.263)	0.160	0.018
185	15.42	0.77	0.178	(0.261)	0.160	0.018
186	15.50	0.77	0.178	(0.260)	0.160	0.018
187	15.58	0.63	0.147	(0.259)	0.132	0.015
188	15.67	0.63	0.147	(0.257)	0.132	0.015
189	15.75	0.63	0.147	(0.256)	0.132	0.015
190	15.83	0.63	0.147	(0.255)	0.132	0.015
191	15.92	0.63	0.147	(0.253)	0.132	0.015
192	16.00	0.63	0.147	(0.252)	0.132	0.015
193	16.08	0.13	0.031	(0.251)	0.028	0.003
194	16.17	0.13	0.031	(0.249)	0.028	0.003

195	16.25	0.13	0.031	(0.248)	0.028	0.003
196	16.33	0.13	0.031	(0.247)	0.028	0.003
197	16.42	0.13	0.031	(0.246)	0.028	0.003
198	16.50	0.13	0.031	(0.244)	0.028	0.003
199	16.58	0.10	0.023	(0.243)	0.021	0.002
200	16.67	0.10	0.023	(0.242)	0.021	0.002
201	16.75	0.10	0.023	(0.241)	0.021	0.002
202	16.83	0.10	0.023	(0.239)	0.021	0.002
203	16.92	0.10	0.023	(0.238)	0.021	0.002
204	17.00	0.10	0.023	(0.237)	0.021	0.002
205	17.08	0.17	0.039	(0.236)	0.035	0.004
206	17.17	0.17	0.039	(0.235)	0.035	0.004
207	17.25	0.17	0.039	(0.233)	0.035	0.004
208	17.33	0.17	0.039	(0.232)	0.035	0.004
209	17.42	0.17	0.039	(0.231)	0.035	0.004
210	17.50	0.17	0.039	(0.230)	0.035	0.004
211	17.58	0.17	0.039	(0.229)	0.035	0.004
212	17.67	0.17	0.039	(0.228)	0.035	0.004
213	17.75	0.17	0.039	(0.227)	0.035	0.004
214	17.83	0.13	0.031	(0.225)	0.028	0.003
215	17.92	0.13	0.031	(0.224)	0.028	0.003
216	18.00	0.13	0.031	(0.223)	0.028	0.003
217	18.08	0.13	0.031	(0.222)	0.028	0.003
218	18.17	0.13	0.031	(0.221)	0.028	0.003
219	18.25	0.13	0.031	(0.220)	0.028	0.003
220	18.33	0.13	0.031	(0.219)	0.028	0.003
221	18.42	0.13	0.031	(0.218)	0.028	0.003
222	18.50	0.13	0.031	(0.217)	0.028	0.003
223	18.58	0.10	0.023	(0.216)	0.021	0.002
224	18.67	0.10	0.023	(0.215)	0.021	0.002
225	18.75	0.10	0.023	(0.214)	0.021	0.002
226	18.83	0.07	0.015	(0.213)	0.014	0.002
227	18.92	0.07	0.015	(0.212)	0.014	0.002
228	19.00	0.07	0.015	(0.211)	0.014	0.002
229	19.08	0.10	0.023	(0.210)	0.021	0.002
230	19.17	0.10	0.023	(0.209)	0.021	0.002
231	19.25	0.10	0.023	(0.208)	0.021	0.002
232	19.33	0.13	0.031	(0.207)	0.028	0.003
233	19.42	0.13	0.031	(0.206)	0.028	0.003
234	19.50	0.13	0.031	(0.205)	0.028	0.003
235	19.58	0.10	0.023	(0.204)	0.021	0.002
236	19.67	0.10	0.023	(0.203)	0.021	0.002
237	19.75	0.10	0.023	(0.202)	0.021	0.002
238	19.83	0.07	0.015	(0.201)	0.014	0.002
239	19.92	0.07	0.015	(0.200)	0.014	0.002
240	20.00	0.07	0.015	(0.199)	0.014	0.002
241	20.08	0.10	0.023	(0.198)	0.021	0.002
242	20.17	0.10	0.023	(0.197)	0.021	0.002
243	20.25	0.10	0.023	(0.197)	0.021	0.002
244	20.33	0.10	0.023	(0.196)	0.021	0.002

245	20.42	0.10	0.023	(0.195)	0.021	0.002
246	20.50	0.10	0.023	(0.194)	0.021	0.002
247	20.58	0.10	0.023	(0.193)	0.021	0.002
248	20.67	0.10	0.023	(0.192)	0.021	0.002
249	20.75	0.10	0.023	(0.192)	0.021	0.002
250	20.83	0.07	0.015	(0.191)	0.014	0.002
251	20.92	0.07	0.015	(0.190)	0.014	0.002
252	21.00	0.07	0.015	(0.189)	0.014	0.002
253	21.08	0.10	0.023	(0.189)	0.021	0.002
254	21.17	0.10	0.023	(0.188)	0.021	0.002
255	21.25	0.10	0.023	(0.187)	0.021	0.002
256	21.33	0.07	0.015	(0.186)	0.014	0.002
257	21.42	0.07	0.015	(0.186)	0.014	0.002
258	21.50	0.07	0.015	(0.185)	0.014	0.002
259	21.58	0.10	0.023	(0.184)	0.021	0.002
260	21.67	0.10	0.023	(0.184)	0.021	0.002
261	21.75	0.10	0.023	(0.183)	0.021	0.002
262	21.83	0.07	0.015	(0.182)	0.014	0.002
263	21.92	0.07	0.015	(0.182)	0.014	0.002
264	22.00	0.07	0.015	(0.181)	0.014	0.002
265	22.08	0.10	0.023	(0.181)	0.021	0.002
266	22.17	0.10	0.023	(0.180)	0.021	0.002
267	22.25	0.10	0.023	(0.179)	0.021	0.002
268	22.33	0.07	0.015	(0.179)	0.014	0.002
269	22.42	0.07	0.015	(0.178)	0.014	0.002
270	22.50	0.07	0.015	(0.178)	0.014	0.002
271	22.58	0.07	0.015	(0.177)	0.014	0.002
272	22.67	0.07	0.015	(0.177)	0.014	0.002
273	22.75	0.07	0.015	(0.176)	0.014	0.002
274	22.83	0.07	0.015	(0.176)	0.014	0.002
275	22.92	0.07	0.015	(0.175)	0.014	0.002
276	23.00	0.07	0.015	(0.175)	0.014	0.002
277	23.08	0.07	0.015	(0.175)	0.014	0.002
278	23.17	0.07	0.015	(0.174)	0.014	0.002
279	23.25	0.07	0.015	(0.174)	0.014	0.002
280	23.33	0.07	0.015	(0.173)	0.014	0.002
281	23.42	0.07	0.015	(0.173)	0.014	0.002
282	23.50	0.07	0.015	(0.173)	0.014	0.002
283	23.58	0.07	0.015	(0.173)	0.014	0.002
284	23.67	0.07	0.015	(0.172)	0.014	0.002
285	23.75	0.07	0.015	(0.172)	0.014	0.002
286	23.83	0.07	0.015	(0.172)	0.014	0.002
287	23.92	0.07	0.015	(0.172)	0.014	0.002
288	24.00	0.07	0.015	(0.172)	0.014	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.3

Flood volume = Effective rainfall 0.19(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 1.74(In)

Total soil loss = 0.172(Ac.Ft)

Total rainfall = 1.93(In)
 Flood volume = 833.7 Cubic Feet
 Total soil loss = 7503.3 Cubic Feet

 Peak flow rate of this hydrograph = 0.031(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0000	0.00	Q				
0+20	0.0000	0.00	Q				
0+25	0.0001	0.00	Q				
0+30	0.0001	0.00	Q				
0+35	0.0001	0.00	Q				
0+40	0.0001	0.00	Q				
0+45	0.0001	0.00	Q				
0+50	0.0002	0.00	Q				
0+55	0.0002	0.00	Q				
1+ 0	0.0002	0.00	Q				
1+ 5	0.0002	0.00	Q				
1+10	0.0003	0.00	Q				
1+15	0.0003	0.00	Q				
1+20	0.0003	0.00	Q				
1+25	0.0003	0.00	Q				
1+30	0.0003	0.00	Q				
1+35	0.0003	0.00	Q				
1+40	0.0004	0.00	Q				
1+45	0.0004	0.00	Q				
1+50	0.0004	0.00	Q				
1+55	0.0004	0.00	Q				
2+ 0	0.0005	0.00	Q				
2+ 5	0.0005	0.00	QV				
2+10	0.0005	0.00	QV				
2+15	0.0005	0.00	QV				
2+20	0.0006	0.00	QV				
2+25	0.0006	0.00	QV				
2+30	0.0006	0.00	QV				
2+35	0.0006	0.00	QV				
2+40	0.0007	0.00	QV				
2+45	0.0007	0.00	QV				
2+50	0.0007	0.00	QV				
2+55	0.0008	0.00	QV				

3+ 0	0.0008	0.00	QV				
3+ 5	0.0008	0.00	QV				
3+10	0.0009	0.00	QV				
3+15	0.0009	0.00	QV				
3+20	0.0009	0.00	QV				
3+25	0.0010	0.00	QV				
3+30	0.0010	0.00	Q V				
3+35	0.0010	0.00	Q V				
3+40	0.0011	0.00	Q V				
3+45	0.0011	0.00	Q V				
3+50	0.0011	0.01	Q V				
3+55	0.0012	0.01	Q V				
4+ 0	0.0012	0.01	Q V				
4+ 5	0.0012	0.01	Q V				
4+10	0.0013	0.01	Q V				
4+15	0.0013	0.01	Q V				
4+20	0.0013	0.01	Q V				
4+25	0.0014	0.01	Q V				
4+30	0.0014	0.01	Q V				
4+35	0.0015	0.01	Q V				
4+40	0.0015	0.01	Q V				
4+45	0.0016	0.01	Q V				
4+50	0.0016	0.01	Q V				
4+55	0.0017	0.01	Q V				
5+ 0	0.0017	0.01	Q V				
5+ 5	0.0018	0.01	Q V				
5+10	0.0018	0.01	Q V				
5+15	0.0018	0.01	Q V				
5+20	0.0019	0.01	Q V				
5+25	0.0019	0.01	Q V				
5+30	0.0020	0.01	Q V				
5+35	0.0020	0.01	Q V				
5+40	0.0021	0.01	Q V				
5+45	0.0021	0.01	Q V				
5+50	0.0022	0.01	Q V				
5+55	0.0022	0.01	Q V				
6+ 0	0.0023	0.01	Q V				
6+ 5	0.0023	0.01	Q V				
6+10	0.0024	0.01	Q V				
6+15	0.0024	0.01	Q V				
6+20	0.0025	0.01	Q V				
6+25	0.0026	0.01	Q V				
6+30	0.0026	0.01	Q V				
6+35	0.0027	0.01	Q V				
6+40	0.0027	0.01	Q V				
6+45	0.0028	0.01	Q V				
6+50	0.0029	0.01	Q V				
6+55	0.0029	0.01	Q V				
7+ 0	0.0030	0.01	Q V				
7+ 5	0.0031	0.01	Q V				

7+10	0.0031	0.01	Q	V				
7+15	0.0032	0.01	Q	V				
7+20	0.0032	0.01	Q	V				
7+25	0.0033	0.01	Q	V				
7+30	0.0034	0.01	Q	V				
7+35	0.0035	0.01	Q	V				
7+40	0.0035	0.01	Q	V				
7+45	0.0036	0.01	Q	V				
7+50	0.0037	0.01	Q	V				
7+55	0.0038	0.01	Q	V				
8+ 0	0.0039	0.01	Q	V				
8+ 5	0.0039	0.01	Q	V				
8+10	0.0040	0.01	Q	V				
8+15	0.0041	0.01	Q	V				
8+20	0.0042	0.01	Q	V				
8+25	0.0043	0.01	Q	V				
8+30	0.0044	0.01	Q	V				
8+35	0.0045	0.01	Q	V				
8+40	0.0046	0.01	Q	V				
8+45	0.0047	0.01	Q	V				
8+50	0.0048	0.02	Q	V				
8+55	0.0049	0.02	Q	V				
9+ 0	0.0050	0.02	Q	V				
9+ 5	0.0052	0.02	Q	V				
9+10	0.0053	0.02	Q	V				
9+15	0.0054	0.02	Q	V				
9+20	0.0055	0.02	Q	V				
9+25	0.0056	0.02	Q	V				
9+30	0.0058	0.02	Q	V				
9+35	0.0059	0.02	Q	V				
9+40	0.0060	0.02	Q	V				
9+45	0.0062	0.02	Q	V				
9+50	0.0063	0.02	Q	V				
9+55	0.0064	0.02	Q	V				
10+ 0	0.0066	0.02	Q	V				
10+ 5	0.0067	0.02	Q	V				
10+10	0.0068	0.01	Q	V				
10+15	0.0069	0.01	Q	V				
10+20	0.0070	0.01	Q	V				
10+25	0.0071	0.01	Q	V				
10+30	0.0072	0.01	Q	V				
10+35	0.0073	0.02	Q	V				
10+40	0.0074	0.02	Q	V				
10+45	0.0076	0.02	Q	V				
10+50	0.0077	0.02	Q	V				
10+55	0.0078	0.02	Q	V				
11+ 0	0.0079	0.02	Q	V				
11+ 5	0.0081	0.02	Q	V				
11+10	0.0082	0.02	Q	V				
11+15	0.0083	0.02	Q	V				

11+20	0.0084	0.02	Q	V			
11+25	0.0085	0.02	Q	V			
11+30	0.0087	0.02	Q	V			
11+35	0.0088	0.02	Q	V			
11+40	0.0089	0.02	Q	V			
11+45	0.0090	0.02	Q	V			
11+50	0.0091	0.02	Q	V			
11+55	0.0092	0.02	Q	V			
12+ 0	0.0093	0.02	Q	V			
12+ 5	0.0095	0.02	Q	V			
12+10	0.0096	0.02	Q	V			
12+15	0.0098	0.02	Q	V			
12+20	0.0099	0.02	Q	V			
12+25	0.0101	0.02	Q	V			
12+30	0.0103	0.02	Q	V			
12+35	0.0104	0.02	Q	V			
12+40	0.0106	0.03	Q	V			
12+45	0.0108	0.03	Q	V			
12+50	0.0110	0.03	Q	V			
12+55	0.0112	0.03	Q	V			
13+ 0	0.0114	0.03	Q	V			
13+ 5	0.0115	0.03	Q	V			
13+10	0.0118	0.03	Q	V			
13+15	0.0120	0.03	Q	V			
13+20	0.0122	0.03	Q	V			
13+25	0.0124	0.03	Q	V			
13+30	0.0126	0.03	Q	V			
13+35	0.0128	0.03	Q	V			
13+40	0.0130	0.02	Q	V			
13+45	0.0131	0.02	Q	V			
13+50	0.0133	0.02	Q	V			
13+55	0.0134	0.02	Q	V			
14+ 0	0.0136	0.02	Q	V			
14+ 5	0.0137	0.02	Q	V			
14+10	0.0139	0.02	Q	V			
14+15	0.0141	0.02	Q	V			
14+20	0.0142	0.02	Q	V			
14+25	0.0144	0.02	Q	V			
14+30	0.0146	0.02	Q	V			
14+35	0.0147	0.02	Q	V			
14+40	0.0149	0.02	Q	V			
14+45	0.0151	0.02	Q	V			
14+50	0.0152	0.02	Q	V			
14+55	0.0154	0.02	Q	V			
15+ 0	0.0155	0.02	Q	V			
15+ 5	0.0157	0.02	Q	V			
15+10	0.0159	0.02	Q	V			
15+15	0.0160	0.02	Q	V			
15+20	0.0162	0.02	Q	V			
15+25	0.0163	0.02	Q	V			

15+30	0.0165	0.02	Q				V
15+35	0.0166	0.02	Q				V
15+40	0.0167	0.02	Q				V
15+45	0.0168	0.02	Q				V
15+50	0.0170	0.02	Q				V
15+55	0.0171	0.02	Q				V
16+ 0	0.0172	0.02	Q				V
16+ 5	0.0173	0.01	Q				V
16+10	0.0173	0.01	Q				V
16+15	0.0174	0.00	Q				V
16+20	0.0174	0.00	Q				V
16+25	0.0174	0.00	Q				V
16+30	0.0174	0.00	Q				V
16+35	0.0175	0.00	Q				V
16+40	0.0175	0.00	Q				V
16+45	0.0175	0.00	Q				V
16+50	0.0175	0.00	Q				V
16+55	0.0175	0.00	Q				V
17+ 0	0.0176	0.00	Q				V
17+ 5	0.0176	0.00	Q				V
17+10	0.0176	0.00	Q				V
17+15	0.0176	0.00	Q				V
17+20	0.0177	0.00	Q				V
17+25	0.0177	0.00	Q				V
17+30	0.0177	0.00	Q				V
17+35	0.0178	0.00	Q				V
17+40	0.0178	0.00	Q				V
17+45	0.0178	0.00	Q				V
17+50	0.0179	0.00	Q				V
17+55	0.0179	0.00	Q				V
18+ 0	0.0179	0.00	Q				V
18+ 5	0.0179	0.00	Q				V
18+10	0.0180	0.00	Q				V
18+15	0.0180	0.00	Q				V
18+20	0.0180	0.00	Q				V
18+25	0.0180	0.00	Q				V
18+30	0.0181	0.00	Q				V
18+35	0.0181	0.00	Q				V
18+40	0.0181	0.00	Q				V
18+45	0.0181	0.00	Q				V
18+50	0.0181	0.00	Q				V
18+55	0.0182	0.00	Q				V
19+ 0	0.0182	0.00	Q				V
19+ 5	0.0182	0.00	Q				V
19+10	0.0182	0.00	Q				V
19+15	0.0182	0.00	Q				V
19+20	0.0182	0.00	Q				V
19+25	0.0183	0.00	Q				V
19+30	0.0183	0.00	Q				V
19+35	0.0183	0.00	Q				V

19+40	0.0183	0.00	Q				V
19+45	0.0184	0.00	Q				V
19+50	0.0184	0.00	Q				V
19+55	0.0184	0.00	Q				V
20+ 0	0.0184	0.00	Q				V
20+ 5	0.0184	0.00	Q				V
20+10	0.0184	0.00	Q				V
20+15	0.0185	0.00	Q				V
20+20	0.0185	0.00	Q				V
20+25	0.0185	0.00	Q				V
20+30	0.0185	0.00	Q				V
20+35	0.0185	0.00	Q				V
20+40	0.0185	0.00	Q				V
20+45	0.0186	0.00	Q				V
20+50	0.0186	0.00	Q				V
20+55	0.0186	0.00	Q				V
21+ 0	0.0186	0.00	Q				V
21+ 5	0.0186	0.00	Q				V
21+10	0.0186	0.00	Q				V
21+15	0.0187	0.00	Q				V
21+20	0.0187	0.00	Q				V
21+25	0.0187	0.00	Q				V
21+30	0.0187	0.00	Q				V
21+35	0.0187	0.00	Q				V
21+40	0.0187	0.00	Q				V
21+45	0.0188	0.00	Q				V
21+50	0.0188	0.00	Q				V
21+55	0.0188	0.00	Q				V
22+ 0	0.0188	0.00	Q				V
22+ 5	0.0188	0.00	Q				V
22+10	0.0188	0.00	Q				V
22+15	0.0189	0.00	Q				V
22+20	0.0189	0.00	Q				V
22+25	0.0189	0.00	Q				V
22+30	0.0189	0.00	Q				V
22+35	0.0189	0.00	Q				V
22+40	0.0189	0.00	Q				V
22+45	0.0189	0.00	Q				V
22+50	0.0190	0.00	Q				V
22+55	0.0190	0.00	Q				V
23+ 0	0.0190	0.00	Q				V
23+ 5	0.0190	0.00	Q				V
23+10	0.0190	0.00	Q				V
23+15	0.0190	0.00	Q				V
23+20	0.0190	0.00	Q				V
23+25	0.0190	0.00	Q				V
23+30	0.0191	0.00	Q				V
23+35	0.0191	0.00	Q				V
23+40	0.0191	0.00	Q				V
23+45	0.0191	0.00	Q				V

23+50	0.0191	0.00	Q				V
23+55	0.0191	0.00	Q				V
24+ 0	0.0191	0.00	Q				V
24+ 5	0.0191	0.00	Q				V
24+10	0.0191	0.00	Q				V
24+15	0.0191	0.00	Q				V
24+20	0.0191	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda162.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	184.412	40.574	0.487
2 0.167	368.825	44.469	0.533
3 0.250	553.237	9.459	0.113
4 0.333	737.650	3.827	0.046
5 0.417	922.062	1.671	0.020
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.343)	0.061	0.007
2	0.17	0.60	0.081	(0.343)	0.073	0.008
3	0.25	0.60	0.081	(0.343)	0.073	0.008
4	0.33	0.60	0.081	(0.343)	0.073	0.008
5	0.42	0.60	0.081	(0.343)	0.073	0.008
6	0.50	0.70	0.095	(0.343)	0.085	0.009
7	0.58	0.70	0.095	(0.343)	0.085	0.009
8	0.67	0.70	0.095	(0.343)	0.085	0.009
9	0.75	0.70	0.095	(0.343)	0.085	0.009
10	0.83	0.70	0.095	(0.343)	0.085	0.009
11	0.92	0.70	0.095	(0.343)	0.085	0.009
12	1.00	0.80	0.108	(0.343)	0.098	0.011
13	1.08	0.80	0.108	(0.343)	0.098	0.011
14	1.17	0.80	0.108	(0.343)	0.098	0.011
15	1.25	0.80	0.108	(0.343)	0.098	0.011
16	1.33	0.80	0.108	(0.343)	0.098	0.011
17	1.42	0.80	0.108	(0.343)	0.098	0.011
18	1.50	0.80	0.108	(0.343)	0.098	0.011
19	1.58	0.80	0.108	(0.343)	0.098	0.011
20	1.67	0.80	0.108	(0.343)	0.098	0.011
21	1.75	0.80	0.108	(0.343)	0.098	0.011
22	1.83	0.80	0.108	(0.343)	0.098	0.011
23	1.92	0.80	0.108	(0.343)	0.098	0.011
24	2.00	0.90	0.122	(0.343)	0.110	0.012
25	2.08	0.80	0.108	(0.343)	0.098	0.011
26	2.17	0.90	0.122	(0.343)	0.110	0.012
27	2.25	0.90	0.122	(0.343)	0.110	0.012
28	2.33	0.90	0.122	(0.343)	0.110	0.012
29	2.42	0.90	0.122	(0.343)	0.110	0.012
30	2.50	0.90	0.122	(0.343)	0.110	0.012
31	2.58	0.90	0.122	(0.343)	0.110	0.012
32	2.67	0.90	0.122	(0.343)	0.110	0.012
33	2.75	1.00	0.136	(0.343)	0.122	0.014
34	2.83	1.00	0.136	(0.343)	0.122	0.014
35	2.92	1.00	0.136	(0.343)	0.122	0.014
36	3.00	1.00	0.136	(0.343)	0.122	0.014
37	3.08	1.00	0.136	(0.343)	0.122	0.014
38	3.17	1.10	0.149	(0.343)	0.134	0.015
39	3.25	1.10	0.149	(0.343)	0.134	0.015
40	3.33	1.10	0.149	(0.343)	0.134	0.015
41	3.42	1.20	0.163	(0.343)	0.146	0.016
42	3.50	1.30	0.176	(0.343)	0.159	0.018
43	3.58	1.40	0.190	(0.343)	0.171	0.019
44	3.67	1.40	0.190	(0.343)	0.171	0.019

45	3.75	1.50	0.203	(0.343)	0.183	0.020
46	3.83	1.50	0.203	(0.343)	0.183	0.020
47	3.92	1.60	0.217	(0.343)	0.195	0.022
48	4.00	1.60	0.217	(0.343)	0.195	0.022
49	4.08	1.70	0.231	(0.343)	0.207	0.023
50	4.17	1.80	0.244	(0.343)	0.220	0.024
51	4.25	1.90	0.258	(0.343)	0.232	0.026
52	4.33	2.00	0.271	(0.343)	0.244	0.027
53	4.42	2.10	0.285	(0.343)	0.256	0.028
54	4.50	2.10	0.285	(0.343)	0.256	0.028
55	4.58	2.20	0.298	(0.343)	0.268	0.030
56	4.67	2.30	0.312	(0.343)	0.281	0.031
57	4.75	2.40	0.325	(0.343)	0.293	0.033
58	4.83	2.40	0.325	(0.343)	0.293	0.033
59	4.92	2.50	0.339	(0.343)	0.305	0.034
60	5.00	2.60	0.353	(0.343)	0.317	0.035
61	5.08	3.10	0.420	0.343 (0.378)		0.077
62	5.17	3.60	0.488	0.343 (0.439)		0.145
63	5.25	3.90	0.529	0.343 (0.476)		0.186
64	5.33	4.20	0.570	0.343 (0.513)		0.226
65	5.42	4.70	0.637	0.343 (0.574)		0.294
66	5.50	5.60	0.759	0.343 (0.683)		0.416
67	5.58	1.90	0.258	(0.343)	0.232	0.026
68	5.67	0.90	0.122	(0.343)	0.110	0.012
69	5.75	0.60	0.081	(0.343)	0.073	0.008
70	5.83	0.50	0.068	(0.343)	0.061	0.007
71	5.92	0.30	0.041	(0.343)	0.037	0.004
72	6.00	0.20	0.027	(0.343)	0.024	0.003

(Loss Rate Not Used)

Sum = 100.0 Sum = 2.4

Flood volume = Effective rainfall 0.20(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 0.93(In)
Total soil loss = 0.093(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 849.7 Cubic Feet
Total soil loss = 4031.5 Cubic Feet

Peak flow rate of this hydrograph = 0.397(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5 0.0000 0.00 Q | | | |

0+10	0.0001	0.01	Q				
0+15	0.0001	0.01	Q				
0+20	0.0002	0.01	Q				
0+25	0.0003	0.01	Q				
0+30	0.0003	0.01	Q				
0+35	0.0004	0.01	Q				
0+40	0.0005	0.01	QV				
0+45	0.0006	0.01	QV				
0+50	0.0007	0.01	QV				
0+55	0.0007	0.01	QV				
1+ 0	0.0008	0.01	QV				
1+ 5	0.0009	0.01	QV				
1+10	0.0010	0.01	Q V				
1+15	0.0011	0.01	Q V				
1+20	0.0012	0.01	Q V				
1+25	0.0013	0.01	Q V				
1+30	0.0014	0.01	Q V				
1+35	0.0014	0.01	Q V				
1+40	0.0015	0.01	Q V				
1+45	0.0016	0.01	Q V				
1+50	0.0017	0.01	Q V				
1+55	0.0018	0.01	Q V				
2+ 0	0.0019	0.01	Q V				
2+ 5	0.0020	0.01	Q V				
2+10	0.0021	0.01	Q V				
2+15	0.0022	0.01	Q V				
2+20	0.0023	0.01	Q V				
2+25	0.0024	0.01	Q V				
2+30	0.0025	0.01	Q V				
2+35	0.0026	0.01	Q V				
2+40	0.0027	0.01	Q V				
2+45	0.0028	0.02	Q V				
2+50	0.0029	0.02	Q V				
2+55	0.0030	0.02	Q V				
3+ 0	0.0031	0.02	Q V				
3+ 5	0.0032	0.02	Q V				
3+10	0.0034	0.02	Q V				
3+15	0.0035	0.02	Q V				
3+20	0.0036	0.02	Q V				
3+25	0.0037	0.02	Q V				
3+30	0.0039	0.02	Q V				
3+35	0.0040	0.02	Q V				
3+40	0.0042	0.02	Q V				
3+45	0.0043	0.02	Q V				
3+50	0.0045	0.02	Q V				
3+55	0.0047	0.02	Q V				
4+ 0	0.0048	0.03	Q V				
4+ 5	0.0050	0.03	Q V				
4+10	0.0052	0.03	Q V				
4+15	0.0054	0.03	Q V				

4+20	0.0056	0.03	Q		V					
4+25	0.0059	0.03	Q		V					
4+30	0.0061	0.03	Q		V					
4+35	0.0063	0.03	Q		V					
4+40	0.0066	0.04	Q		V					
4+45	0.0068	0.04	Q		V					
4+50	0.0071	0.04	Q		V					
4+55	0.0074	0.04	Q		V					
5+ 0	0.0077	0.04	Q		V					
5+ 5	0.0081	0.06	Q		V					
5+10	0.0089	0.12	Q		V					
5+15	0.0101	0.18	Q		V					
5+20	0.0117	0.23	Q				V			
5+25	0.0137	0.29	Q				V			
5+30	0.0165	0.40	Q						V	
5+35	0.0184	0.28	Q						V	
5+40	0.0190	0.08	Q						V	
5+45	0.0193	0.04	Q						V	
5+50	0.0194	0.02	Q						V	
5+55	0.0195	0.01	Q						V	
6+ 0	0.0195	0.00	Q						V	
6+ 5	0.0195	0.00	Q						V	
6+10	0.0195	0.00	Q						V	
6+15	0.0195	0.00	Q						V	
6+20	0.0195	0.00	Q						V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda132.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.343)	0.115	0.013
2	0.17	1.30	0.127	(0.343)	0.115	0.013
3	0.25	1.10	0.108	(0.343)	0.097	0.011
4	0.33	1.50	0.147	(0.343)	0.132	0.015
5	0.42	1.50	0.147	(0.343)	0.132	0.015
6	0.50	1.80	0.176	(0.343)	0.159	0.018
7	0.58	1.50	0.147	(0.343)	0.132	0.015
8	0.67	1.80	0.176	(0.343)	0.159	0.018
9	0.75	1.80	0.176	(0.343)	0.159	0.018
10	0.83	1.50	0.147	(0.343)	0.132	0.015
11	0.92	1.60	0.157	(0.343)	0.141	0.016
12	1.00	1.80	0.176	(0.343)	0.159	0.018
13	1.08	2.20	0.216	(0.343)	0.194	0.022
14	1.17	2.20	0.216	(0.343)	0.194	0.022
15	1.25	2.20	0.216	(0.343)	0.194	0.022
16	1.33	2.00	0.196	(0.343)	0.176	0.020
17	1.42	2.60	0.255	(0.343)	0.229	0.025
18	1.50	2.70	0.265	(0.343)	0.238	0.026
19	1.58	2.40	0.235	(0.343)	0.212	0.024
20	1.67	2.70	0.265	(0.343)	0.238	0.026
21	1.75	3.30	0.324	(0.343)	0.291	0.032
22	1.83	3.10	0.304	(0.343)	0.274	0.030
23	1.92	2.90	0.284	(0.343)	0.256	0.028
24	2.00	3.00	0.294	(0.343)	0.265	0.029
25	2.08	3.10	0.304	(0.343)	0.274	0.030
26	2.17	4.20	0.412	0.343	(0.371)	0.069
27	2.25	5.00	0.490	0.343	(0.441)	0.147
28	2.33	3.50	0.343	(0.343)	0.309	0.034
29	2.42	6.80	0.667	0.343	(0.600)	0.324
30	2.50	7.30	0.716	0.343	(0.644)	0.373
31	2.58	8.20	0.804	0.343	(0.724)	0.461
32	2.67	5.90	0.578	0.343	(0.521)	0.235
33	2.75	2.00	0.196	(0.343)	0.176	0.020
34	2.83	1.80	0.176	(0.343)	0.159	0.018
35	2.92	1.80	0.176	(0.343)	0.159	0.018
36	3.00	0.60	0.059	(0.343)	0.053	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.2

Flood volume = Effective rainfall 0.19(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.63(In)

Total soil loss = 0.063(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 799.8 Cubic Feet

Total soil loss = 2729.4 Cubic Feet

Peak flow rate of this hydrograph = 0.464(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000		0.01	Q				
0+10	0.0001		0.01	Q				
0+15	0.0002		0.01	Q				
0+20	0.0003		0.01	Q				
0+25	0.0004		0.02	Q				
0+30	0.0006		0.02	QV				
0+35	0.0007		0.02	QV				
0+40	0.0008		0.02	QV				
0+45	0.0010		0.02	Q V				
0+50	0.0011		0.02	Q V				
0+55	0.0012		0.02	Q V				
1+ 0	0.0014		0.02	Q V				
1+ 5	0.0015		0.02	Q V				
1+10	0.0017		0.03	Q V				
1+15	0.0019		0.03	Q V				
1+20	0.0021		0.02	Q V				
1+25	0.0022		0.03	Q V				
1+30	0.0025		0.03	Q V				
1+35	0.0027		0.03	Q V				
1+40	0.0029		0.03	Q V				
1+45	0.0031		0.03	Q V				
1+50	0.0034		0.04	Q V				
1+55	0.0036		0.04	Q V				
2+ 0	0.0038		0.03	Q V				
2+ 5	0.0041		0.04	Q V				
2+10	0.0045		0.05	Q V				
2+15	0.0052		0.11	Q	V			
2+20	0.0060		0.10	Q	V			
2+25	0.0073		0.20	Q	V			
2+30	0.0098		0.37	Q		V		
2+35	0.0130		0.46	Q			V	
2+40	0.0159		0.42	Q				V
2+45	0.0174		0.21	Q				V
2+50	0.0179		0.07	Q				V
2+55	0.0182		0.04	Q				V
3+ 0	0.0183		0.02	Q				V
3+ 5	0.0183		0.01	Q				V

3+10	0.0184	0.00	Q				V
3+15	0.0184	0.00	Q				V
3+20	0.0184	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda112.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 380.36(Ft.)
Length along longest watercourse measured to centroid = 190.00(Ft.)
Length along longest watercourse = 0.072 Mi.
Length along longest watercourse measured to centroid = 0.036 Mi.
Difference in elevation = 1.03(Ft.)
Slope along watercourse = 14.2980 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.045 Hr.
Lag time = 2.71 Min.
25% of lag time = 0.68 Min.
40% of lag time = 1.08 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	86.00	0.000

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	184.412	40.574
2	0.167	368.825	44.469
3	0.250	553.237	9.459
4	0.333	737.650	3.827
5	0.417	922.062	1.671
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective (In/Hr)
	(Hr.)	Percent	(In/Hr)	Max	Low	
1	0.08	4.20	0.236	(0.343)	0.212	0.024
2	0.17	4.30	0.241	(0.343)	0.217	0.024
3	0.25	5.00	0.281	(0.343)	0.253	0.028
4	0.33	5.00	0.281	(0.343)	0.253	0.028
5	0.42	5.80	0.326	(0.343)	0.293	0.033
6	0.50	6.50	0.365	(0.343)	0.329	0.037
7	0.58	7.40	0.416	0.343	(0.374)	0.072
8	0.67	8.60	0.483	0.343	(0.435)	0.140
9	0.75	12.30	0.691	0.343	(0.622)	0.348
10	0.83	29.10	1.634	0.343	(1.471)	1.291
11	0.92	6.80	0.382	0.343	(0.344)	0.039
12	1.00	5.00	0.281	(0.343)	0.253	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.1

Flood volume = Effective rainfall $0.17(\text{In})$

$$\text{times area} \quad 1.2(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad 0.0(\text{Ac.Ft})$$

Total soil loss = $0.29(\text{In})$

Total soil loss = 0.029(Ac.Ft)

Total rainfall = 0.47(In)

Flood volume = 752.7 Cubic Feet

Total soil loss = 1268.9 Cubic Feet

Peak flow rate of this hydrograph = 0.834(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	θ	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0002		0.02	Q				
0+15	0.0004		0.03	QV				
0+20	0.0007		0.03	QV				
0+25	0.0009		0.04	Q V				
0+30	0.0012		0.04	Q V				
0+35	0.0016		0.06	Q V				
0+40	0.0024		0.11	Q V				
0+45	0.0041		0.25	Q V				

0+50	0.0099	0.83		Q				V			
0+55	0.0151	0.76		Q						V	
1+ 0	0.0165	0.20	Q								V
1+ 5	0.0170	0.09	Q								V
1+10	0.0173	0.03	Q								V
1+15	0.0173	0.00	Q								V
1+20	0.0173	0.00	Q								V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda124100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.096)	0.010	0.028
2	0.17	0.07	0.038	(0.096)	0.010	0.028
3	0.25	0.07	0.038	(0.095)	0.010	0.028
4	0.33	0.10	0.057	(0.095)	0.015	0.042
5	0.42	0.10	0.057	(0.095)	0.015	0.042
6	0.50	0.10	0.057	(0.094)	0.015	0.042
7	0.58	0.10	0.057	(0.094)	0.015	0.042
8	0.67	0.10	0.057	(0.094)	0.015	0.042
9	0.75	0.10	0.057	(0.093)	0.015	0.042
10	0.83	0.13	0.075	(0.093)	0.020	0.056
11	0.92	0.13	0.075	(0.093)	0.020	0.056
12	1.00	0.13	0.075	(0.092)	0.020	0.056
13	1.08	0.10	0.057	(0.092)	0.015	0.042
14	1.17	0.10	0.057	(0.091)	0.015	0.042
15	1.25	0.10	0.057	(0.091)	0.015	0.042
16	1.33	0.10	0.057	(0.091)	0.015	0.042
17	1.42	0.10	0.057	(0.090)	0.015	0.042
18	1.50	0.10	0.057	(0.090)	0.015	0.042
19	1.58	0.10	0.057	(0.090)	0.015	0.042
20	1.67	0.10	0.057	(0.089)	0.015	0.042
21	1.75	0.10	0.057	(0.089)	0.015	0.042
22	1.83	0.13	0.075	(0.089)	0.020	0.056
23	1.92	0.13	0.075	(0.088)	0.020	0.056
24	2.00	0.13	0.075	(0.088)	0.020	0.056
25	2.08	0.13	0.075	(0.087)	0.020	0.056
26	2.17	0.13	0.075	(0.087)	0.020	0.056
27	2.25	0.13	0.075	(0.087)	0.020	0.056
28	2.33	0.13	0.075	(0.086)	0.020	0.056
29	2.42	0.13	0.075	(0.086)	0.020	0.056
30	2.50	0.13	0.075	(0.086)	0.020	0.056
31	2.58	0.17	0.094	(0.085)	0.024	0.070
32	2.67	0.17	0.094	(0.085)	0.024	0.070
33	2.75	0.17	0.094	(0.085)	0.024	0.070
34	2.83	0.17	0.094	(0.084)	0.024	0.070
35	2.92	0.17	0.094	(0.084)	0.024	0.070
36	3.00	0.17	0.094	(0.084)	0.024	0.070
37	3.08	0.17	0.094	(0.083)	0.024	0.070
38	3.17	0.17	0.094	(0.083)	0.024	0.070
39	3.25	0.17	0.094	(0.083)	0.024	0.070
40	3.33	0.17	0.094	(0.082)	0.024	0.070
41	3.42	0.17	0.094	(0.082)	0.024	0.070
42	3.50	0.17	0.094	(0.082)	0.024	0.070
43	3.58	0.17	0.094	(0.081)	0.024	0.070
44	3.67	0.17	0.094	(0.081)	0.024	0.070
45	3.75	0.17	0.094	(0.081)	0.024	0.070
46	3.83	0.20	0.113	(0.080)	0.029	0.084

47	3.92	0.20	0.113	(0.080)	0.029	0.084
48	4.00	0.20	0.113	(0.080)	0.029	0.084
49	4.08	0.20	0.113	(0.079)	0.029	0.084
50	4.17	0.20	0.113	(0.079)	0.029	0.084
51	4.25	0.20	0.113	(0.079)	0.029	0.084
52	4.33	0.23	0.132	(0.078)	0.034	0.098
53	4.42	0.23	0.132	(0.078)	0.034	0.098
54	4.50	0.23	0.132	(0.078)	0.034	0.098
55	4.58	0.23	0.132	(0.077)	0.034	0.098
56	4.67	0.23	0.132	(0.077)	0.034	0.098
57	4.75	0.23	0.132	(0.077)	0.034	0.098
58	4.83	0.27	0.151	(0.076)	0.039	0.112
59	4.92	0.27	0.151	(0.076)	0.039	0.112
60	5.00	0.27	0.151	(0.076)	0.039	0.112
61	5.08	0.20	0.113	(0.075)	0.029	0.084
62	5.17	0.20	0.113	(0.075)	0.029	0.084
63	5.25	0.20	0.113	(0.075)	0.029	0.084
64	5.33	0.23	0.132	(0.074)	0.034	0.098
65	5.42	0.23	0.132	(0.074)	0.034	0.098
66	5.50	0.23	0.132	(0.074)	0.034	0.098
67	5.58	0.27	0.151	(0.073)	0.039	0.112
68	5.67	0.27	0.151	(0.073)	0.039	0.112
69	5.75	0.27	0.151	(0.073)	0.039	0.112
70	5.83	0.27	0.151	(0.072)	0.039	0.112
71	5.92	0.27	0.151	(0.072)	0.039	0.112
72	6.00	0.27	0.151	(0.072)	0.039	0.112
73	6.08	0.30	0.170	(0.071)	0.044	0.125
74	6.17	0.30	0.170	(0.071)	0.044	0.125
75	6.25	0.30	0.170	(0.071)	0.044	0.125
76	6.33	0.30	0.170	(0.070)	0.044	0.125
77	6.42	0.30	0.170	(0.070)	0.044	0.125
78	6.50	0.30	0.170	(0.070)	0.044	0.125
79	6.58	0.33	0.188	(0.069)	0.049	0.139
80	6.67	0.33	0.188	(0.069)	0.049	0.139
81	6.75	0.33	0.188	(0.069)	0.049	0.139
82	6.83	0.33	0.188	(0.068)	0.049	0.139
83	6.92	0.33	0.188	(0.068)	0.049	0.139
84	7.00	0.33	0.188	(0.068)	0.049	0.139
85	7.08	0.33	0.188	(0.068)	0.049	0.139
86	7.17	0.33	0.188	(0.067)	0.049	0.139
87	7.25	0.33	0.188	(0.067)	0.049	0.139
88	7.33	0.37	0.207	(0.067)	0.054	0.153
89	7.42	0.37	0.207	(0.066)	0.054	0.153
90	7.50	0.37	0.207	(0.066)	0.054	0.153
91	7.58	0.40	0.226	(0.066)	0.059	0.167
92	7.67	0.40	0.226	(0.065)	0.059	0.167
93	7.75	0.40	0.226	(0.065)	0.059	0.167
94	7.83	0.43	0.245	(0.065)	0.064	0.181
95	7.92	0.43	0.245	(0.065)	0.064	0.181
96	8.00	0.43	0.245	(0.064)	0.064	0.181

97	8.08	0.50	0.283	0.064	(0.073)	0.219
98	8.17	0.50	0.283	0.064	(0.073)	0.219
99	8.25	0.50	0.283	0.063	(0.073)	0.219
100	8.33	0.50	0.283	0.063	(0.073)	0.220
101	8.42	0.50	0.283	0.063	(0.073)	0.220
102	8.50	0.50	0.283	0.062	(0.073)	0.220
103	8.58	0.53	0.301	0.062	(0.078)	0.239
104	8.67	0.53	0.301	0.062	(0.078)	0.240
105	8.75	0.53	0.301	0.062	(0.078)	0.240
106	8.83	0.57	0.320	0.061	(0.083)	0.259
107	8.92	0.57	0.320	0.061	(0.083)	0.259
108	9.00	0.57	0.320	0.061	(0.083)	0.260
109	9.08	0.63	0.358	0.060	(0.093)	0.298
110	9.17	0.63	0.358	0.060	(0.093)	0.298
111	9.25	0.63	0.358	0.060	(0.093)	0.298
112	9.33	0.67	0.377	0.060	(0.098)	0.317
113	9.42	0.67	0.377	0.059	(0.098)	0.318
114	9.50	0.67	0.377	0.059	(0.098)	0.318
115	9.58	0.70	0.396	0.059	(0.103)	0.337
116	9.67	0.70	0.396	0.058	(0.103)	0.337
117	9.75	0.70	0.396	0.058	(0.103)	0.337
118	9.83	0.73	0.414	0.058	(0.108)	0.357
119	9.92	0.73	0.414	0.058	(0.108)	0.357
120	10.00	0.73	0.414	0.057	(0.108)	0.357
121	10.08	0.50	0.283	0.057	(0.073)	0.226
122	10.17	0.50	0.283	0.057	(0.073)	0.226
123	10.25	0.50	0.283	0.056	(0.073)	0.226
124	10.33	0.50	0.283	0.056	(0.073)	0.226
125	10.42	0.50	0.283	0.056	(0.073)	0.227
126	10.50	0.50	0.283	0.056	(0.073)	0.227
127	10.58	0.67	0.377	0.055	(0.098)	0.321
128	10.67	0.67	0.377	0.055	(0.098)	0.322
129	10.75	0.67	0.377	0.055	(0.098)	0.322
130	10.83	0.67	0.377	0.055	(0.098)	0.322
131	10.92	0.67	0.377	0.054	(0.098)	0.322
132	11.00	0.67	0.377	0.054	(0.098)	0.323
133	11.08	0.63	0.358	0.054	(0.093)	0.304
134	11.17	0.63	0.358	0.054	(0.093)	0.304
135	11.25	0.63	0.358	0.053	(0.093)	0.305
136	11.33	0.63	0.358	0.053	(0.093)	0.305
137	11.42	0.63	0.358	0.053	(0.093)	0.305
138	11.50	0.63	0.358	0.052	(0.093)	0.305
139	11.58	0.57	0.320	0.052	(0.083)	0.268
140	11.67	0.57	0.320	0.052	(0.083)	0.268
141	11.75	0.57	0.320	0.052	(0.083)	0.269
142	11.83	0.60	0.339	0.051	(0.088)	0.288
143	11.92	0.60	0.339	0.051	(0.088)	0.288
144	12.00	0.60	0.339	0.051	(0.088)	0.288
145	12.08	0.83	0.471	0.051	(0.122)	0.420
146	12.17	0.83	0.471	0.050	(0.122)	0.421

147	12.25	0.83	0.471	0.050	(0.122)	0.421
148	12.33	0.87	0.490	0.050	(0.127)	0.440
149	12.42	0.87	0.490	0.050	(0.127)	0.440
150	12.50	0.87	0.490	0.049	(0.127)	0.440
151	12.58	0.93	0.528	0.049	(0.137)	0.478
152	12.67	0.93	0.528	0.049	(0.137)	0.479
153	12.75	0.93	0.528	0.049	(0.137)	0.479
154	12.83	0.97	0.546	0.048	(0.142)	0.498
155	12.92	0.97	0.546	0.048	(0.142)	0.498
156	13.00	0.97	0.546	0.048	(0.142)	0.498
157	13.08	1.13	0.641	0.048	(0.167)	0.593
158	13.17	1.13	0.641	0.047	(0.167)	0.593
159	13.25	1.13	0.641	0.047	(0.167)	0.593
160	13.33	1.13	0.641	0.047	(0.167)	0.594
161	13.42	1.13	0.641	0.047	(0.167)	0.594
162	13.50	1.13	0.641	0.046	(0.167)	0.594
163	13.58	0.77	0.433	0.046	(0.113)	0.387
164	13.67	0.77	0.433	0.046	(0.113)	0.387
165	13.75	0.77	0.433	0.046	(0.113)	0.388
166	13.83	0.77	0.433	0.046	(0.113)	0.388
167	13.92	0.77	0.433	0.045	(0.113)	0.388
168	14.00	0.77	0.433	0.045	(0.113)	0.388
169	14.08	0.90	0.509	0.045	(0.132)	0.464
170	14.17	0.90	0.509	0.045	(0.132)	0.464
171	14.25	0.90	0.509	0.044	(0.132)	0.464
172	14.33	0.87	0.490	0.044	(0.127)	0.446
173	14.42	0.87	0.490	0.044	(0.127)	0.446
174	14.50	0.87	0.490	0.044	(0.127)	0.446
175	14.58	0.87	0.490	0.043	(0.127)	0.446
176	14.67	0.87	0.490	0.043	(0.127)	0.447
177	14.75	0.87	0.490	0.043	(0.127)	0.447
178	14.83	0.83	0.471	0.043	(0.122)	0.428
179	14.92	0.83	0.471	0.043	(0.122)	0.428
180	15.00	0.83	0.471	0.042	(0.122)	0.429
181	15.08	0.80	0.452	0.042	(0.118)	0.410
182	15.17	0.80	0.452	0.042	(0.118)	0.410
183	15.25	0.80	0.452	0.042	(0.118)	0.410
184	15.33	0.77	0.433	0.042	(0.113)	0.392
185	15.42	0.77	0.433	0.041	(0.113)	0.392
186	15.50	0.77	0.433	0.041	(0.113)	0.392
187	15.58	0.63	0.358	0.041	(0.093)	0.317
188	15.67	0.63	0.358	0.041	(0.093)	0.317
189	15.75	0.63	0.358	0.040	(0.093)	0.317
190	15.83	0.63	0.358	0.040	(0.093)	0.318
191	15.92	0.63	0.358	0.040	(0.093)	0.318
192	16.00	0.63	0.358	0.040	(0.093)	0.318
193	16.08	0.13	0.075	(0.040)	0.020	0.056
194	16.17	0.13	0.075	(0.039)	0.020	0.056
195	16.25	0.13	0.075	(0.039)	0.020	0.056
196	16.33	0.13	0.075	(0.039)	0.020	0.056

197	16.42	0.13	0.075	(0.039)	0.020	0.056
198	16.50	0.13	0.075	(0.039)	0.020	0.056
199	16.58	0.10	0.057	(0.038)	0.015	0.042
200	16.67	0.10	0.057	(0.038)	0.015	0.042
201	16.75	0.10	0.057	(0.038)	0.015	0.042
202	16.83	0.10	0.057	(0.038)	0.015	0.042
203	16.92	0.10	0.057	(0.038)	0.015	0.042
204	17.00	0.10	0.057	(0.037)	0.015	0.042
205	17.08	0.17	0.094	(0.037)	0.024	0.070
206	17.17	0.17	0.094	(0.037)	0.024	0.070
207	17.25	0.17	0.094	(0.037)	0.024	0.070
208	17.33	0.17	0.094	(0.037)	0.024	0.070
209	17.42	0.17	0.094	(0.037)	0.024	0.070
210	17.50	0.17	0.094	(0.036)	0.024	0.070
211	17.58	0.17	0.094	(0.036)	0.024	0.070
212	17.67	0.17	0.094	(0.036)	0.024	0.070
213	17.75	0.17	0.094	(0.036)	0.024	0.070
214	17.83	0.13	0.075	(0.036)	0.020	0.056
215	17.92	0.13	0.075	(0.035)	0.020	0.056
216	18.00	0.13	0.075	(0.035)	0.020	0.056
217	18.08	0.13	0.075	(0.035)	0.020	0.056
218	18.17	0.13	0.075	(0.035)	0.020	0.056
219	18.25	0.13	0.075	(0.035)	0.020	0.056
220	18.33	0.13	0.075	(0.035)	0.020	0.056
221	18.42	0.13	0.075	(0.034)	0.020	0.056
222	18.50	0.13	0.075	(0.034)	0.020	0.056
223	18.58	0.10	0.057	(0.034)	0.015	0.042
224	18.67	0.10	0.057	(0.034)	0.015	0.042
225	18.75	0.10	0.057	(0.034)	0.015	0.042
226	18.83	0.07	0.038	(0.034)	0.010	0.028
227	18.92	0.07	0.038	(0.033)	0.010	0.028
228	19.00	0.07	0.038	(0.033)	0.010	0.028
229	19.08	0.10	0.057	(0.033)	0.015	0.042
230	19.17	0.10	0.057	(0.033)	0.015	0.042
231	19.25	0.10	0.057	(0.033)	0.015	0.042
232	19.33	0.13	0.075	(0.033)	0.020	0.056
233	19.42	0.13	0.075	(0.033)	0.020	0.056
234	19.50	0.13	0.075	(0.032)	0.020	0.056
235	19.58	0.10	0.057	(0.032)	0.015	0.042
236	19.67	0.10	0.057	(0.032)	0.015	0.042
237	19.75	0.10	0.057	(0.032)	0.015	0.042
238	19.83	0.07	0.038	(0.032)	0.010	0.028
239	19.92	0.07	0.038	(0.032)	0.010	0.028
240	20.00	0.07	0.038	(0.032)	0.010	0.028
241	20.08	0.10	0.057	(0.031)	0.015	0.042
242	20.17	0.10	0.057	(0.031)	0.015	0.042
243	20.25	0.10	0.057	(0.031)	0.015	0.042
244	20.33	0.10	0.057	(0.031)	0.015	0.042
245	20.42	0.10	0.057	(0.031)	0.015	0.042
246	20.50	0.10	0.057	(0.031)	0.015	0.042

247	20.58	0.10	0.057	(0.031)	0.015	0.042
248	20.67	0.10	0.057	(0.030)	0.015	0.042
249	20.75	0.10	0.057	(0.030)	0.015	0.042
250	20.83	0.07	0.038	(0.030)	0.010	0.028
251	20.92	0.07	0.038	(0.030)	0.010	0.028
252	21.00	0.07	0.038	(0.030)	0.010	0.028
253	21.08	0.10	0.057	(0.030)	0.015	0.042
254	21.17	0.10	0.057	(0.030)	0.015	0.042
255	21.25	0.10	0.057	(0.030)	0.015	0.042
256	21.33	0.07	0.038	(0.029)	0.010	0.028
257	21.42	0.07	0.038	(0.029)	0.010	0.028
258	21.50	0.07	0.038	(0.029)	0.010	0.028
259	21.58	0.10	0.057	(0.029)	0.015	0.042
260	21.67	0.10	0.057	(0.029)	0.015	0.042
261	21.75	0.10	0.057	(0.029)	0.015	0.042
262	21.83	0.07	0.038	(0.029)	0.010	0.028
263	21.92	0.07	0.038	(0.029)	0.010	0.028
264	22.00	0.07	0.038	(0.029)	0.010	0.028
265	22.08	0.10	0.057	(0.029)	0.015	0.042
266	22.17	0.10	0.057	(0.028)	0.015	0.042
267	22.25	0.10	0.057	(0.028)	0.015	0.042
268	22.33	0.07	0.038	(0.028)	0.010	0.028
269	22.42	0.07	0.038	(0.028)	0.010	0.028
270	22.50	0.07	0.038	(0.028)	0.010	0.028
271	22.58	0.07	0.038	(0.028)	0.010	0.028
272	22.67	0.07	0.038	(0.028)	0.010	0.028
273	22.75	0.07	0.038	(0.028)	0.010	0.028
274	22.83	0.07	0.038	(0.028)	0.010	0.028
275	22.92	0.07	0.038	(0.028)	0.010	0.028
276	23.00	0.07	0.038	(0.028)	0.010	0.028
277	23.08	0.07	0.038	(0.028)	0.010	0.028
278	23.17	0.07	0.038	(0.028)	0.010	0.028
279	23.25	0.07	0.038	(0.027)	0.010	0.028
280	23.33	0.07	0.038	(0.027)	0.010	0.028
281	23.42	0.07	0.038	(0.027)	0.010	0.028
282	23.50	0.07	0.038	(0.027)	0.010	0.028
283	23.58	0.07	0.038	(0.027)	0.010	0.028
284	23.67	0.07	0.038	(0.027)	0.010	0.028
285	23.75	0.07	0.038	(0.027)	0.010	0.028
286	23.83	0.07	0.038	(0.027)	0.010	0.028
287	23.92	0.07	0.038	(0.027)	0.010	0.028
288	24.00	0.07	0.038	(0.027)	0.010	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 47.2

Flood volume = Effective rainfall 3.93(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)

Total soil loss = 0.78(In)

Total soil loss = 0.077(Ac.Ft)

Total rainfall = 4.71(In)

Flood volume = 16985.3 Cubic Feet

Total soil loss = 3360.5 Cubic Feet

Peak flow rate of this hydrograph = 0.713(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0004	0.03	Q				
0+15	0.0006	0.03	Q				
0+20	0.0009	0.04	Q				
0+25	0.0012	0.05	Q				
0+30	0.0016	0.05	Q				
0+35	0.0019	0.05	Q				
0+40	0.0023	0.05	Q				
0+45	0.0026	0.05	Q				
0+50	0.0030	0.06	Q				
0+55	0.0035	0.07	Q				
1+ 0	0.0040	0.07	Q				
1+ 5	0.0043	0.06	Q				
1+10	0.0047	0.05	Q				
1+15	0.0050	0.05	Q				
1+20	0.0054	0.05	Q				
1+25	0.0057	0.05	Q				
1+30	0.0061	0.05	Q				
1+35	0.0064	0.05	Q				
1+40	0.0068	0.05	Q				
1+45	0.0071	0.05	Q				
1+50	0.0075	0.06	Q				
1+55	0.0080	0.07	Q				
2+ 0	0.0084	0.07	Q				
2+ 5	0.0089	0.07	Q				
2+10	0.0094	0.07	Q				
2+15	0.0098	0.07	QV				
2+20	0.0103	0.07	QV				
2+25	0.0108	0.07	QV				
2+30	0.0112	0.07	QV				
2+35	0.0117	0.08	QV				
2+40	0.0123	0.08	QV				
2+45	0.0129	0.08	QV				
2+50	0.0135	0.08	QV				
2+55	0.0140	0.08	QV				
3+ 0	0.0146	0.08	QV				
3+ 5	0.0152	0.08	QV				

3+10	0.0158	0.08	QV
3+15	0.0164	0.08	QV
3+20	0.0169	0.08	QV
3+25	0.0175	0.08	QV
3+30	0.0181	0.08	QV
3+35	0.0187	0.08	QV
3+40	0.0192	0.08	QV
3+45	0.0198	0.08	Q V
3+50	0.0205	0.09	Q V
3+55	0.0211	0.10	Q V
4+ 0	0.0218	0.10	Q V
4+ 5	0.0225	0.10	Q V
4+10	0.0232	0.10	Q V
4+15	0.0239	0.10	Q V
4+20	0.0247	0.11	Q V
4+25	0.0255	0.12	Q V
4+30	0.0263	0.12	Q V
4+35	0.0271	0.12	Q V
4+40	0.0279	0.12	Q V
4+45	0.0287	0.12	Q V
4+50	0.0296	0.13	Q V
4+55	0.0305	0.13	Q V
5+ 0	0.0314	0.13	Q V
5+ 5	0.0322	0.11	Q V
5+10	0.0329	0.10	Q V
5+15	0.0336	0.10	Q V
5+20	0.0343	0.11	Q V
5+25	0.0351	0.12	Q V
5+30	0.0360	0.12	Q V
5+35	0.0368	0.13	Q V
5+40	0.0378	0.13	Q V
5+45	0.0387	0.13	Q V
5+50	0.0396	0.13	Q V
5+55	0.0405	0.13	Q V
6+ 0	0.0414	0.13	Q V
6+ 5	0.0424	0.14	Q V
6+10	0.0435	0.15	Q V
6+15	0.0445	0.15	Q V
6+20	0.0455	0.15	Q V
6+25	0.0466	0.15	Q V
6+30	0.0476	0.15	Q V
6+35	0.0487	0.16	Q V
6+40	0.0499	0.17	Q V
6+45	0.0510	0.17	Q V
6+50	0.0522	0.17	Q V
6+55	0.0533	0.17	Q V
7+ 0	0.0545	0.17	Q V
7+ 5	0.0556	0.17	Q V
7+10	0.0568	0.17	Q V
7+15	0.0579	0.17	Q V

7+20	0.0592	0.18	Q	V				
7+25	0.0604	0.18	Q	V				
7+30	0.0617	0.18	Q	V				
7+35	0.0630	0.19	Q	V				
7+40	0.0644	0.20	Q	V				
7+45	0.0658	0.20	Q	V				
7+50	0.0672	0.21	Q	V				
7+55	0.0687	0.22	Q	V				
8+ 0	0.0702	0.22	Q	V				
8+ 5	0.0719	0.25	Q	V				
8+10	0.0737	0.26	Q	V				
8+15	0.0755	0.26	Q	V				
8+20	0.0773	0.26	Q	V				
8+25	0.0792	0.26	Q	V				
8+30	0.0810	0.26	Q	V				
8+35	0.0829	0.28	Q	V				
8+40	0.0849	0.29	Q	V				
8+45	0.0868	0.29	Q	V				
8+50	0.0889	0.30	Q	V				
8+55	0.0911	0.31	Q	V				
9+ 0	0.0932	0.31	Q	V				
9+ 5	0.0955	0.34	Q	V				
9+10	0.0980	0.36	Q	V				
9+15	0.1005	0.36	Q	V				
9+20	0.1030	0.37	Q	V				
9+25	0.1056	0.38	Q	V				
9+30	0.1083	0.38	Q	V				
9+35	0.1110	0.40	Q	V				
9+40	0.1138	0.40	Q	V				
9+45	0.1166	0.40	Q	V				
9+50	0.1194	0.42	Q	V				
9+55	0.1224	0.43	Q	V				
10+ 0	0.1253	0.43	Q	V				
10+ 5	0.1276	0.33	Q	V				
10+10	0.1295	0.28	Q	V				
10+15	0.1314	0.27	Q	V				
10+20	0.1333	0.27	Q	V				
10+25	0.1351	0.27	Q	V				
10+30	0.1370	0.27	Q	V				
10+35	0.1394	0.34	Q	V				
10+40	0.1420	0.38	Q	V				
10+45	0.1446	0.39	Q	V				
10+50	0.1473	0.39	Q	V				
10+55	0.1500	0.39	Q	V				
11+ 0	0.1526	0.39	Q	V				
11+ 5	0.1552	0.37	Q	V				
11+10	0.1577	0.37	Q	V				
11+15	0.1602	0.37	Q	V				
11+20	0.1628	0.37	Q	V				
11+25	0.1653	0.37	Q	V				

11+30	0.1678	0.37	Q	V			
11+35	0.1701	0.34	Q	V			
11+40	0.1724	0.32	Q	V			
11+45	0.1746	0.32	Q	V			
11+50	0.1769	0.34	Q	V			
11+55	0.1793	0.34	Q	V			
12+ 0	0.1817	0.35	Q	V			
12+ 5	0.1847	0.44	Q	V			
12+10	0.1882	0.50	Q	V			
12+15	0.1916	0.50	Q	V			
12+20	0.1952	0.52	Q	V			
12+25	0.1988	0.53	Q	V			
12+30	0.2025	0.53	Q	V			
12+35	0.2063	0.56	Q	V			
12+40	0.2103	0.57	Q	V			
12+45	0.2142	0.57	Q	V			
12+50	0.2183	0.59	Q	V			
12+55	0.2224	0.60	Q	V			
13+ 0	0.2265	0.60	Q	V			
13+ 5	0.2311	0.67	Q	V			
13+10	0.2360	0.71	Q	V			
13+15	0.2409	0.71	Q	V			
13+20	0.2458	0.71	Q	V			
13+25	0.2507	0.71	Q	V			
13+30	0.2556	0.71	Q	V			
13+35	0.2594	0.56	Q	V			
13+40	0.2627	0.47	Q	V			
13+45	0.2659	0.46	Q	V			
13+50	0.2691	0.47	Q	V			
13+55	0.2723	0.47	Q	V			
14+ 0	0.2755	0.47	Q	V			
14+ 5	0.2791	0.52	Q	V			
14+10	0.2829	0.55	Q	V			
14+15	0.2868	0.56	Q	V			
14+20	0.2905	0.54	Q	V			
14+25	0.2942	0.54	Q	V			
14+30	0.2979	0.54	Q	V			
14+35	0.3016	0.54	Q	V			
14+40	0.3053	0.54	Q	V			
14+45	0.3090	0.54	Q	V			
14+50	0.3125	0.52	Q	V			
14+55	0.3161	0.51	Q	V			
15+ 0	0.3196	0.51	Q	V			
15+ 5	0.3231	0.50	Q	V			
15+10	0.3265	0.49	Q	V			
15+15	0.3299	0.49	Q	V			
15+20	0.3332	0.48	Q	V			
15+25	0.3364	0.47	Q	V			
15+30	0.3396	0.47	Q	V			
15+35	0.3425	0.41	Q	V			

15+40	0.3451	0.38	Q				V
15+45	0.3478	0.38	Q				V
15+50	0.3504	0.38	Q				V
15+55	0.3530	0.38	Q				V
16+ 0	0.3557	0.38	Q				V
16+ 5	0.3569	0.19	Q				V
16+10	0.3575	0.08	Q				V
16+15	0.3579	0.07	Q				V
16+20	0.3584	0.07	Q				V
16+25	0.3589	0.07	Q				V
16+30	0.3593	0.07	Q				V
16+35	0.3597	0.06	Q				V
16+40	0.3601	0.05	Q				V
16+45	0.3604	0.05	Q				V
16+50	0.3608	0.05	Q				V
16+55	0.3611	0.05	Q				V
17+ 0	0.3614	0.05	Q				V
17+ 5	0.3619	0.07	Q				V
17+10	0.3625	0.08	Q				V
17+15	0.3631	0.08	Q				V
17+20	0.3637	0.08	Q				V
17+25	0.3642	0.08	Q				V
17+30	0.3648	0.08	Q				V
17+35	0.3654	0.08	Q				V
17+40	0.3660	0.08	Q				V
17+45	0.3665	0.08	Q				V
17+50	0.3670	0.07	Q				V
17+55	0.3675	0.07	Q				V
18+ 0	0.3680	0.07	Q				V
18+ 5	0.3684	0.07	Q				V
18+10	0.3689	0.07	Q				V
18+15	0.3693	0.07	Q				V
18+20	0.3698	0.07	Q				V
18+25	0.3703	0.07	Q				V
18+30	0.3707	0.07	Q				V
18+35	0.3711	0.06	Q				V
18+40	0.3715	0.05	Q				V
18+45	0.3718	0.05	Q				V
18+50	0.3721	0.04	Q				V
18+55	0.3723	0.03	Q				V
19+ 0	0.3726	0.03	Q				V
19+ 5	0.3729	0.04	Q				V
19+10	0.3732	0.05	Q				V
19+15	0.3735	0.05	Q				V
19+20	0.3740	0.06	Q				V
19+25	0.3744	0.07	Q				V
19+30	0.3749	0.07	Q				V
19+35	0.3753	0.06	Q				V
19+40	0.3756	0.05	Q				V
19+45	0.3760	0.05	Q				V

19+50	0.3762	0.04	Q				V
19+55	0.3765	0.03	Q				V
20+ 0	0.3767	0.03	Q				V
20+ 5	0.3770	0.04	Q				V
20+10	0.3773	0.05	Q				V
20+15	0.3777	0.05	Q				V
20+20	0.3780	0.05	Q				V
20+25	0.3784	0.05	Q				V
20+30	0.3787	0.05	Q				V
20+35	0.3791	0.05	Q				V
20+40	0.3794	0.05	Q				V
20+45	0.3798	0.05	Q				V
20+50	0.3800	0.04	Q				V
20+55	0.3803	0.03	Q				V
21+ 0	0.3805	0.03	Q				V
21+ 5	0.3808	0.04	Q				V
21+10	0.3811	0.05	Q				V
21+15	0.3815	0.05	Q				V
21+20	0.3818	0.04	Q				V
21+25	0.3820	0.03	Q				V
21+30	0.3822	0.03	Q				V
21+35	0.3825	0.04	Q				V
21+40	0.3829	0.05	Q				V
21+45	0.3832	0.05	Q				V
21+50	0.3835	0.04	Q				V
21+55	0.3837	0.03	Q				V
22+ 0	0.3840	0.03	Q				V
22+ 5	0.3843	0.04	Q				V
22+10	0.3846	0.05	Q				V
22+15	0.3849	0.05	Q				V
22+20	0.3852	0.04	Q				V
22+25	0.3855	0.03	Q				V
22+30	0.3857	0.03	Q				V
22+35	0.3859	0.03	Q				V
22+40	0.3861	0.03	Q				V
22+45	0.3864	0.03	Q				V
22+50	0.3866	0.03	Q				V
22+55	0.3868	0.03	Q				V
23+ 0	0.3871	0.03	Q				V
23+ 5	0.3873	0.03	Q				V
23+10	0.3875	0.03	Q				V
23+15	0.3878	0.03	Q				V
23+20	0.3880	0.03	Q				V
23+25	0.3882	0.03	Q				V
23+30	0.3884	0.03	Q				V
23+35	0.3887	0.03	Q				V
23+40	0.3889	0.03	Q				V
23+45	0.3891	0.03	Q				V
23+50	0.3894	0.03	Q				V
23+55	0.3896	0.03	Q				V

24+ 0	0.3898	0.03	Q				V
24+ 5	0.3899	0.01	Q				V
24+10	0.3899	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda16100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	(0.054)	0.041	0.118
2	0.17	0.60	0.191	(0.054)	0.050	0.141
3	0.25	0.60	0.191	(0.054)	0.050	0.141
4	0.33	0.60	0.191	(0.054)	0.050	0.141
5	0.42	0.60	0.191	(0.054)	0.050	0.141
6	0.50	0.70	0.223	0.054	(0.058)	0.168
7	0.58	0.70	0.223	0.054	(0.058)	0.168
8	0.67	0.70	0.223	0.054	(0.058)	0.168
9	0.75	0.70	0.223	0.054	(0.058)	0.168
10	0.83	0.70	0.223	0.054	(0.058)	0.168
11	0.92	0.70	0.223	0.054	(0.058)	0.168
12	1.00	0.80	0.254	0.054	(0.066)	0.200
13	1.08	0.80	0.254	0.054	(0.066)	0.200
14	1.17	0.80	0.254	0.054	(0.066)	0.200
15	1.25	0.80	0.254	0.054	(0.066)	0.200
16	1.33	0.80	0.254	0.054	(0.066)	0.200
17	1.42	0.80	0.254	0.054	(0.066)	0.200
18	1.50	0.80	0.254	0.054	(0.066)	0.200
19	1.58	0.80	0.254	0.054	(0.066)	0.200
20	1.67	0.80	0.254	0.054	(0.066)	0.200
21	1.75	0.80	0.254	0.054	(0.066)	0.200
22	1.83	0.80	0.254	0.054	(0.066)	0.200
23	1.92	0.80	0.254	0.054	(0.066)	0.200
24	2.00	0.90	0.286	0.054	(0.074)	0.232
25	2.08	0.80	0.254	0.054	(0.066)	0.200
26	2.17	0.90	0.286	0.054	(0.074)	0.232
27	2.25	0.90	0.286	0.054	(0.074)	0.232
28	2.33	0.90	0.286	0.054	(0.074)	0.232
29	2.42	0.90	0.286	0.054	(0.074)	0.232
30	2.50	0.90	0.286	0.054	(0.074)	0.232
31	2.58	0.90	0.286	0.054	(0.074)	0.232
32	2.67	0.90	0.286	0.054	(0.074)	0.232
33	2.75	1.00	0.318	0.054	(0.083)	0.264
34	2.83	1.00	0.318	0.054	(0.083)	0.264
35	2.92	1.00	0.318	0.054	(0.083)	0.264
36	3.00	1.00	0.318	0.054	(0.083)	0.264
37	3.08	1.00	0.318	0.054	(0.083)	0.264
38	3.17	1.10	0.350	0.054	(0.091)	0.296
39	3.25	1.10	0.350	0.054	(0.091)	0.296
40	3.33	1.10	0.350	0.054	(0.091)	0.296
41	3.42	1.20	0.382	0.054	(0.099)	0.327
42	3.50	1.30	0.413	0.054	(0.107)	0.359
43	3.58	1.40	0.445	0.054	(0.116)	0.391
44	3.67	1.40	0.445	0.054	(0.116)	0.391
45	3.75	1.50	0.477	0.054	(0.124)	0.423
46	3.83	1.50	0.477	0.054	(0.124)	0.423

47	3.92	1.60	0.509	0.054	(0.132)	0.455
48	4.00	1.60	0.509	0.054	(0.132)	0.455
49	4.08	1.70	0.541	0.054	(0.141)	0.486
50	4.17	1.80	0.572	0.054	(0.149)	0.518
51	4.25	1.90	0.604	0.054	(0.157)	0.550
52	4.33	2.00	0.636	0.054	(0.165)	0.582
53	4.42	2.10	0.668	0.054	(0.174)	0.614
54	4.50	2.10	0.668	0.054	(0.174)	0.614
55	4.58	2.20	0.700	0.054	(0.182)	0.645
56	4.67	2.30	0.731	0.054	(0.190)	0.677
57	4.75	2.40	0.763	0.054	(0.198)	0.709
58	4.83	2.40	0.763	0.054	(0.198)	0.709
59	4.92	2.50	0.795	0.054	(0.207)	0.741
60	5.00	2.60	0.827	0.054	(0.215)	0.773
61	5.08	3.10	0.986	0.054	(0.256)	0.932
62	5.17	3.60	1.145	0.054	(0.298)	1.091
63	5.25	3.90	1.240	0.054	(0.322)	1.186
64	5.33	4.20	1.336	0.054	(0.347)	1.281
65	5.42	4.70	1.495	0.054	(0.389)	1.440
66	5.50	5.60	1.781	0.054	(0.463)	1.727
67	5.58	1.90	0.604	0.054	(0.157)	0.550
68	5.67	0.90	0.286	0.054	(0.074)	0.232
69	5.75	0.60	0.191	(0.054)	0.050	0.141
70	5.83	0.50	0.159	(0.054)	0.041	0.118
71	5.92	0.30	0.095	(0.054)	0.025	0.071
72	6.00	0.20	0.064	(0.054)	0.017	0.047

(Loss Rate Not Used)

Sum = 100.0

Sum = 28.0

Flood volume = Effective rainfall 2.33(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.32(In)
Total soil loss = 0.031(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 10082.4 Cubic Feet
Total soil loss = 1364.8 Cubic Feet

Peak flow rate of this hydrograph = 1.934(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0006		0.09	Q				
0+10	0.0017		0.15	Q				
0+15	0.0028		0.17	Q				

0+20	0.0040	0.17	Q				
0+25	0.0052	0.17	Q				
0+30	0.0065	0.19	QV				
0+35	0.0078	0.20	QV				
0+40	0.0092	0.20	QV				
0+45	0.0106	0.20	QV				
0+50	0.0120	0.20	Q V				
0+55	0.0134	0.20	Q V				
1+ 0	0.0150	0.23	Q V				
1+ 5	0.0166	0.24	Q V				
1+10	0.0183	0.24	Q V				
1+15	0.0199	0.24	Q V				
1+20	0.0216	0.24	Q V				
1+25	0.0232	0.24	Q V				
1+30	0.0249	0.24	Q V				
1+35	0.0265	0.24	Q V				
1+40	0.0282	0.24	Q V				
1+45	0.0298	0.24	Q V				
1+50	0.0315	0.24	Q V				
1+55	0.0331	0.24	Q V				
2+ 0	0.0350	0.26	Q V				
2+ 5	0.0367	0.25	Q V				
2+10	0.0385	0.27	Q V				
2+15	0.0404	0.28	Q V				
2+20	0.0424	0.28	Q V				
2+25	0.0443	0.28	Q V				
2+30	0.0462	0.28	Q V				
2+35	0.0481	0.28	Q V				
2+40	0.0500	0.28	Q V				
2+45	0.0521	0.30	Q V				
2+50	0.0543	0.31	Q V				
2+55	0.0564	0.32	Q V				
3+ 0	0.0586	0.32	Q V				
3+ 5	0.0608	0.32	Q V				
3+10	0.0631	0.34	Q V				
3+15	0.0656	0.35	Q V				
3+20	0.0680	0.35	Q V				
3+25	0.0706	0.38	Q V				
3+30	0.0735	0.41	Q V				
3+35	0.0766	0.45	Q V				
3+40	0.0798	0.47	Q V				
3+45	0.0832	0.49	Q V				
3+50	0.0867	0.51	Q V				
3+55	0.0904	0.53	Q V				
4+ 0	0.0941	0.54	Q V				
4+ 5	0.0980	0.57	Q V				
4+10	0.1022	0.61	Q V				
4+15	0.1066	0.64	Q V				
4+20	0.1113	0.68	Q V				
4+25	0.1163	0.72	Q V				

4+30	0.1214	0.73	Q		V		
4+35	0.1266	0.76	Q		V		
4+40	0.1321	0.80	Q		V		
4+45	0.1378	0.83	Q		V		
4+50	0.1437	0.85	Q		V		
4+55	0.1497	0.87	Q		V		
5+ 0	0.1560	0.91	Q		V		
5+ 5	0.1632	1.04	Q		V		
5+10	0.1716	1.23	Q		V		
5+15	0.1811	1.37	Q		V		
5+20	0.1913	1.49	Q		V		
5+25	0.2027	1.65	Q		V		
5+30	0.2160	1.93	Q		V		
5+35	0.2242	1.18	Q		V		
5+40	0.2274	0.48	Q		V		
5+45	0.2290	0.23	Q		V		
5+50	0.2301	0.16	Q		V		
5+55	0.2308	0.11	Q		V		
6+ 0	0.2313	0.07	Q		V		
6+ 5	0.2314	0.02	Q		V		
6+10	0.2315	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda13100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800
Total Area Entered = 1.19(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.054	(0.079)	0.251
2	0.17	1.30	0.306	0.054	(0.079)	0.251
3	0.25	1.10	0.259	0.054	(0.067)	0.204
4	0.33	1.50	0.353	0.054	(0.092)	0.299
5	0.42	1.50	0.353	0.054	(0.092)	0.299
6	0.50	1.80	0.423	0.054	(0.110)	0.369
7	0.58	1.50	0.353	0.054	(0.092)	0.299
8	0.67	1.80	0.423	0.054	(0.110)	0.369
9	0.75	1.80	0.423	0.054	(0.110)	0.369
10	0.83	1.50	0.353	0.054	(0.092)	0.299
11	0.92	1.60	0.376	0.054	(0.098)	0.322
12	1.00	1.80	0.423	0.054	(0.110)	0.369
13	1.08	2.20	0.517	0.054	(0.135)	0.463
14	1.17	2.20	0.517	0.054	(0.135)	0.463
15	1.25	2.20	0.517	0.054	(0.135)	0.463
16	1.33	2.00	0.470	0.054	(0.122)	0.416
17	1.42	2.60	0.612	0.054	(0.159)	0.557
18	1.50	2.70	0.635	0.054	(0.165)	0.581
19	1.58	2.40	0.564	0.054	(0.147)	0.510
20	1.67	2.70	0.635	0.054	(0.165)	0.581
21	1.75	3.30	0.776	0.054	(0.202)	0.722
22	1.83	3.10	0.729	0.054	(0.190)	0.675
23	1.92	2.90	0.682	0.054	(0.177)	0.628
24	2.00	3.00	0.706	0.054	(0.183)	0.651
25	2.08	3.10	0.729	0.054	(0.190)	0.675
26	2.17	4.20	0.988	0.054	(0.257)	0.934
27	2.25	5.00	1.176	0.054	(0.306)	1.122
28	2.33	3.50	0.823	0.054	(0.214)	0.769
29	2.42	6.80	1.599	0.054	(0.416)	1.545
30	2.50	7.30	1.717	0.054	(0.446)	1.663
31	2.58	8.20	1.929	0.054	(0.501)	1.874
32	2.67	5.90	1.388	0.054	(0.361)	1.333
33	2.75	2.00	0.470	0.054	(0.122)	0.416
34	2.83	1.80	0.423	0.054	(0.110)	0.369
35	2.92	1.80	0.423	0.054	(0.110)	0.369
36	3.00	0.60	0.141	(0.054)	0.037	0.104

(Loss Rate Not Used)

Sum = 100.0

Sum = 21.6

Flood volume = Effective rainfall 1.80(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.16(In)
Total soil loss = 0.016(Ac.Ft)
Total rainfall = 1.96(In)
Flood volume = 7769.5 Cubic Feet
Total soil loss = 697.0 Cubic Feet

Peak flow rate of this hydrograph = 2.147(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0013	0.19	Q					
0+10	0.0033	0.29	VQ					
0+15	0.0051	0.27	Q					
0+20	0.0073	0.32	Q					
0+25	0.0098	0.35	QV					
0+30	0.0126	0.41	QV					
0+35	0.0152	0.39	Q V					
0+40	0.0181	0.41	Q V					
0+45	0.0211	0.44	Q V					
0+50	0.0238	0.39	Q V					
0+55	0.0264	0.38	Q V					
1+ 0	0.0293	0.42	Q V					
1+ 5	0.0328	0.51	Q V					
1+10	0.0366	0.55	Q V					
1+15	0.0405	0.56	Q V					
1+20	0.0440	0.52	Q V					
1+25	0.0482	0.61	Q V					
1+30	0.0529	0.68	Q V					
1+35	0.0573	0.64	Q V					
1+40	0.0619	0.67	Q V					
1+45	0.0674	0.80	Q V					
1+50	0.0731	0.82	Q V					
1+55	0.0785	0.78	Q V					
2+ 0	0.0838	0.77	Q V					
2+ 5	0.0893	0.80	Q V					
2+10	0.0962	1.00	Q V					
2+15	0.1048	1.25	Q V					
2+20	0.1122	1.07	Q V					
2+25	0.1226	1.52	Q V					
2+30	0.1358	1.91	Q V					
2+35	0.1505	2.15	Q V					
2+40	0.1632	1.84	Q V					
2+45	0.1697	0.94	Q V					
2+50	0.1732	0.51	Q V					
2+55	0.1762	0.45	Q V					
3+ 0	0.1779	0.25	Q V					
3+ 5	0.1783	0.06	Q V					
3+10	0.1784	0.00	Q V					

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda11100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 100 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	62.118
2	0.167	720.100	34.028
3	0.250	1080.150	3.853
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.054	(0.162)	0.571
2	0.17	4.30	0.640	0.054	(0.166)	0.586
3	0.25	5.00	0.744	0.054	(0.193)	0.690
4	0.33	5.00	0.744	0.054	(0.193)	0.690
5	0.42	5.80	0.863	0.054	(0.224)	0.809
6	0.50	6.50	0.967	0.054	(0.251)	0.913
7	0.58	7.40	1.101	0.054	(0.286)	1.047
8	0.67	8.60	1.280	0.054	(0.333)	1.225
9	0.75	12.30	1.830	0.054	(0.476)	1.776
10	0.83	29.10	4.330	0.054	(1.126)	4.276
11	0.92	6.80	1.012	0.054	(0.263)	0.958
12	1.00	5.00	0.744	0.054	(0.193)	0.690

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.2

Flood volume = Effective rainfall 1.19(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.05(In)
Total soil loss = 0.005(Ac.Ft)
Total rainfall = 1.24(In)
Flood volume = 5121.9 Cubic Feet
Total soil loss = 234.5 Cubic Feet

Peak flow rate of this hydrograph = 3.969(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0029	0.43	VQ				
0+10	0.0075	0.67	Q				
0+15	0.0129	0.78	QV				
0+20	0.0186	0.82	Q V				
0+25	0.0249	0.92	Q V				
0+30	0.0321	1.04	Q V				
0+35	0.0403	1.19	Q V				
0+40	0.0498	1.38	Q V				
0+45	0.0627	1.87	Q V				
0+50	0.0900	3.97	Q V				
0+55	0.1075	2.54	Q V				

1+ 0	0.1151	1.10		Q				V
1+ 5	0.1174	0.33		Q				V
1+10	0.1176	0.03	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda12410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.185)	0.006	0.018
2	0.17	0.07	0.025	(0.184)	0.006	0.018
3	0.25	0.07	0.025	(0.184)	0.006	0.018
4	0.33	0.10	0.037	(0.183)	0.010	0.027
5	0.42	0.10	0.037	(0.182)	0.010	0.027
6	0.50	0.10	0.037	(0.181)	0.010	0.027
7	0.58	0.10	0.037	(0.181)	0.010	0.027
8	0.67	0.10	0.037	(0.180)	0.010	0.027
9	0.75	0.10	0.037	(0.179)	0.010	0.027
10	0.83	0.13	0.049	(0.179)	0.013	0.036
11	0.92	0.13	0.049	(0.178)	0.013	0.036
12	1.00	0.13	0.049	(0.177)	0.013	0.036
13	1.08	0.10	0.037	(0.177)	0.010	0.027
14	1.17	0.10	0.037	(0.176)	0.010	0.027
15	1.25	0.10	0.037	(0.175)	0.010	0.027
16	1.33	0.10	0.037	(0.174)	0.010	0.027
17	1.42	0.10	0.037	(0.174)	0.010	0.027
18	1.50	0.10	0.037	(0.173)	0.010	0.027
19	1.58	0.10	0.037	(0.172)	0.010	0.027
20	1.67	0.10	0.037	(0.172)	0.010	0.027
21	1.75	0.10	0.037	(0.171)	0.010	0.027
22	1.83	0.13	0.049	(0.170)	0.013	0.036
23	1.92	0.13	0.049	(0.170)	0.013	0.036
24	2.00	0.13	0.049	(0.169)	0.013	0.036
25	2.08	0.13	0.049	(0.168)	0.013	0.036
26	2.17	0.13	0.049	(0.168)	0.013	0.036
27	2.25	0.13	0.049	(0.167)	0.013	0.036
28	2.33	0.13	0.049	(0.166)	0.013	0.036
29	2.42	0.13	0.049	(0.166)	0.013	0.036
30	2.50	0.13	0.049	(0.165)	0.013	0.036
31	2.58	0.17	0.061	(0.164)	0.016	0.045
32	2.67	0.17	0.061	(0.164)	0.016	0.045
33	2.75	0.17	0.061	(0.163)	0.016	0.045
34	2.83	0.17	0.061	(0.162)	0.016	0.045
35	2.92	0.17	0.061	(0.161)	0.016	0.045
36	3.00	0.17	0.061	(0.161)	0.016	0.045
37	3.08	0.17	0.061	(0.160)	0.016	0.045
38	3.17	0.17	0.061	(0.159)	0.016	0.045
39	3.25	0.17	0.061	(0.159)	0.016	0.045
40	3.33	0.17	0.061	(0.158)	0.016	0.045
41	3.42	0.17	0.061	(0.158)	0.016	0.045
42	3.50	0.17	0.061	(0.157)	0.016	0.045
43	3.58	0.17	0.061	(0.156)	0.016	0.045
44	3.67	0.17	0.061	(0.156)	0.016	0.045
45	3.75	0.17	0.061	(0.155)	0.016	0.045
46	3.83	0.20	0.074	(0.154)	0.019	0.055

47	3.92	0.20	0.074	(0.154)	0.019	0.055
48	4.00	0.20	0.074	(0.153)	0.019	0.055
49	4.08	0.20	0.074	(0.152)	0.019	0.055
50	4.17	0.20	0.074	(0.152)	0.019	0.055
51	4.25	0.20	0.074	(0.151)	0.019	0.055
52	4.33	0.23	0.086	(0.150)	0.022	0.064
53	4.42	0.23	0.086	(0.150)	0.022	0.064
54	4.50	0.23	0.086	(0.149)	0.022	0.064
55	4.58	0.23	0.086	(0.148)	0.022	0.064
56	4.67	0.23	0.086	(0.148)	0.022	0.064
57	4.75	0.23	0.086	(0.147)	0.022	0.064
58	4.83	0.27	0.098	(0.147)	0.026	0.073
59	4.92	0.27	0.098	(0.146)	0.026	0.073
60	5.00	0.27	0.098	(0.145)	0.026	0.073
61	5.08	0.20	0.074	(0.145)	0.019	0.055
62	5.17	0.20	0.074	(0.144)	0.019	0.055
63	5.25	0.20	0.074	(0.143)	0.019	0.055
64	5.33	0.23	0.086	(0.143)	0.022	0.064
65	5.42	0.23	0.086	(0.142)	0.022	0.064
66	5.50	0.23	0.086	(0.141)	0.022	0.064
67	5.58	0.27	0.098	(0.141)	0.026	0.073
68	5.67	0.27	0.098	(0.140)	0.026	0.073
69	5.75	0.27	0.098	(0.140)	0.026	0.073
70	5.83	0.27	0.098	(0.139)	0.026	0.073
71	5.92	0.27	0.098	(0.138)	0.026	0.073
72	6.00	0.27	0.098	(0.138)	0.026	0.073
73	6.08	0.30	0.111	(0.137)	0.029	0.082
74	6.17	0.30	0.111	(0.137)	0.029	0.082
75	6.25	0.30	0.111	(0.136)	0.029	0.082
76	6.33	0.30	0.111	(0.135)	0.029	0.082
77	6.42	0.30	0.111	(0.135)	0.029	0.082
78	6.50	0.30	0.111	(0.134)	0.029	0.082
79	6.58	0.33	0.123	(0.134)	0.032	0.091
80	6.67	0.33	0.123	(0.133)	0.032	0.091
81	6.75	0.33	0.123	(0.132)	0.032	0.091
82	6.83	0.33	0.123	(0.132)	0.032	0.091
83	6.92	0.33	0.123	(0.131)	0.032	0.091
84	7.00	0.33	0.123	(0.131)	0.032	0.091
85	7.08	0.33	0.123	(0.130)	0.032	0.091
86	7.17	0.33	0.123	(0.129)	0.032	0.091
87	7.25	0.33	0.123	(0.129)	0.032	0.091
88	7.33	0.37	0.135	(0.128)	0.035	0.100
89	7.42	0.37	0.135	(0.128)	0.035	0.100
90	7.50	0.37	0.135	(0.127)	0.035	0.100
91	7.58	0.40	0.148	(0.126)	0.038	0.109
92	7.67	0.40	0.148	(0.126)	0.038	0.109
93	7.75	0.40	0.148	(0.125)	0.038	0.109
94	7.83	0.43	0.160	(0.125)	0.042	0.118
95	7.92	0.43	0.160	(0.124)	0.042	0.118
96	8.00	0.43	0.160	(0.124)	0.042	0.118

97	8.08	0.50	0.184	(0.123)	0.048	0.136
98	8.17	0.50	0.184	(0.122)	0.048	0.136
99	8.25	0.50	0.184	(0.122)	0.048	0.136
100	8.33	0.50	0.184	(0.121)	0.048	0.136
101	8.42	0.50	0.184	(0.121)	0.048	0.136
102	8.50	0.50	0.184	(0.120)	0.048	0.136
103	8.58	0.53	0.197	(0.120)	0.051	0.146
104	8.67	0.53	0.197	(0.119)	0.051	0.146
105	8.75	0.53	0.197	(0.118)	0.051	0.146
106	8.83	0.57	0.209	(0.118)	0.054	0.155
107	8.92	0.57	0.209	(0.117)	0.054	0.155
108	9.00	0.57	0.209	(0.117)	0.054	0.155
109	9.08	0.63	0.234	(0.116)	0.061	0.173
110	9.17	0.63	0.234	(0.116)	0.061	0.173
111	9.25	0.63	0.234	(0.115)	0.061	0.173
112	9.33	0.67	0.246	(0.115)	0.064	0.182
113	9.42	0.67	0.246	(0.114)	0.064	0.182
114	9.50	0.67	0.246	(0.113)	0.064	0.182
115	9.58	0.70	0.258	(0.113)	0.067	0.191
116	9.67	0.70	0.258	(0.112)	0.067	0.191
117	9.75	0.70	0.258	(0.112)	0.067	0.191
118	9.83	0.73	0.270	(0.111)	0.070	0.200
119	9.92	0.73	0.270	(0.111)	0.070	0.200
120	10.00	0.73	0.270	(0.110)	0.070	0.200
121	10.08	0.50	0.184	(0.110)	0.048	0.136
122	10.17	0.50	0.184	(0.109)	0.048	0.136
123	10.25	0.50	0.184	(0.109)	0.048	0.136
124	10.33	0.50	0.184	(0.108)	0.048	0.136
125	10.42	0.50	0.184	(0.108)	0.048	0.136
126	10.50	0.50	0.184	(0.107)	0.048	0.136
127	10.58	0.67	0.246	(0.107)	0.064	0.182
128	10.67	0.67	0.246	(0.106)	0.064	0.182
129	10.75	0.67	0.246	(0.105)	0.064	0.182
130	10.83	0.67	0.246	(0.105)	0.064	0.182
131	10.92	0.67	0.246	(0.104)	0.064	0.182
132	11.00	0.67	0.246	(0.104)	0.064	0.182
133	11.08	0.63	0.234	(0.103)	0.061	0.173
134	11.17	0.63	0.234	(0.103)	0.061	0.173
135	11.25	0.63	0.234	(0.102)	0.061	0.173
136	11.33	0.63	0.234	(0.102)	0.061	0.173
137	11.42	0.63	0.234	(0.101)	0.061	0.173
138	11.50	0.63	0.234	(0.101)	0.061	0.173
139	11.58	0.57	0.209	(0.100)	0.054	0.155
140	11.67	0.57	0.209	(0.100)	0.054	0.155
141	11.75	0.57	0.209	(0.099)	0.054	0.155
142	11.83	0.60	0.221	(0.099)	0.058	0.164
143	11.92	0.60	0.221	(0.098)	0.058	0.164
144	12.00	0.60	0.221	(0.098)	0.058	0.164
145	12.08	0.83	0.307	(0.097)	0.080	0.227
146	12.17	0.83	0.307	(0.097)	0.080	0.227

147	12.25	0.83	0.307	(0.096)	0.080	0.227
148	12.33	0.87	0.320	(0.096)	0.083	0.237
149	12.42	0.87	0.320	(0.096)	0.083	0.237
150	12.50	0.87	0.320	(0.095)	0.083	0.237
151	12.58	0.93	0.344	(0.095)	0.090	0.255
152	12.67	0.93	0.344	(0.094)	0.090	0.255
153	12.75	0.93	0.344	(0.094)	0.090	0.255
154	12.83	0.97	0.357	(0.093)	0.093	0.264
155	12.92	0.97	0.357	0.093	(0.093)	0.264
156	13.00	0.97	0.357	0.092	(0.093)	0.264
157	13.08	1.13	0.418	0.092	(0.109)	0.326
158	13.17	1.13	0.418	0.091	(0.109)	0.327
159	13.25	1.13	0.418	0.091	(0.109)	0.327
160	13.33	1.13	0.418	0.090	(0.109)	0.328
161	13.42	1.13	0.418	0.090	(0.109)	0.328
162	13.50	1.13	0.418	0.089	(0.109)	0.329
163	13.58	0.77	0.283	(0.089)	0.074	0.209
164	13.67	0.77	0.283	(0.088)	0.074	0.209
165	13.75	0.77	0.283	(0.088)	0.074	0.209
166	13.83	0.77	0.283	(0.088)	0.074	0.209
167	13.92	0.77	0.283	(0.087)	0.074	0.209
168	14.00	0.77	0.283	(0.087)	0.074	0.209
169	14.08	0.90	0.332	0.086	(0.086)	0.246
170	14.17	0.90	0.332	0.086	(0.086)	0.246
171	14.25	0.90	0.332	0.085	(0.086)	0.247
172	14.33	0.87	0.320	(0.085)	0.083	0.237
173	14.42	0.87	0.320	(0.085)	0.083	0.237
174	14.50	0.87	0.320	(0.084)	0.083	0.237
175	14.58	0.87	0.320	(0.084)	0.083	0.237
176	14.67	0.87	0.320	(0.083)	0.083	0.237
177	14.75	0.87	0.320	0.083	(0.083)	0.237
178	14.83	0.83	0.307	(0.082)	0.080	0.227
179	14.92	0.83	0.307	(0.082)	0.080	0.227
180	15.00	0.83	0.307	(0.082)	0.080	0.227
181	15.08	0.80	0.295	(0.081)	0.077	0.218
182	15.17	0.80	0.295	(0.081)	0.077	0.218
183	15.25	0.80	0.295	(0.080)	0.077	0.218
184	15.33	0.77	0.283	(0.080)	0.074	0.209
185	15.42	0.77	0.283	(0.079)	0.074	0.209
186	15.50	0.77	0.283	(0.079)	0.074	0.209
187	15.58	0.63	0.234	(0.079)	0.061	0.173
188	15.67	0.63	0.234	(0.078)	0.061	0.173
189	15.75	0.63	0.234	(0.078)	0.061	0.173
190	15.83	0.63	0.234	(0.077)	0.061	0.173
191	15.92	0.63	0.234	(0.077)	0.061	0.173
192	16.00	0.63	0.234	(0.077)	0.061	0.173
193	16.08	0.13	0.049	(0.076)	0.013	0.036
194	16.17	0.13	0.049	(0.076)	0.013	0.036
195	16.25	0.13	0.049	(0.075)	0.013	0.036
196	16.33	0.13	0.049	(0.075)	0.013	0.036

197	16.42	0.13	0.049	(0.075)	0.013	0.036
198	16.50	0.13	0.049	(0.074)	0.013	0.036
199	16.58	0.10	0.037	(0.074)	0.010	0.027
200	16.67	0.10	0.037	(0.074)	0.010	0.027
201	16.75	0.10	0.037	(0.073)	0.010	0.027
202	16.83	0.10	0.037	(0.073)	0.010	0.027
203	16.92	0.10	0.037	(0.072)	0.010	0.027
204	17.00	0.10	0.037	(0.072)	0.010	0.027
205	17.08	0.17	0.061	(0.072)	0.016	0.045
206	17.17	0.17	0.061	(0.071)	0.016	0.045
207	17.25	0.17	0.061	(0.071)	0.016	0.045
208	17.33	0.17	0.061	(0.071)	0.016	0.045
209	17.42	0.17	0.061	(0.070)	0.016	0.045
210	17.50	0.17	0.061	(0.070)	0.016	0.045
211	17.58	0.17	0.061	(0.070)	0.016	0.045
212	17.67	0.17	0.061	(0.069)	0.016	0.045
213	17.75	0.17	0.061	(0.069)	0.016	0.045
214	17.83	0.13	0.049	(0.069)	0.013	0.036
215	17.92	0.13	0.049	(0.068)	0.013	0.036
216	18.00	0.13	0.049	(0.068)	0.013	0.036
217	18.08	0.13	0.049	(0.068)	0.013	0.036
218	18.17	0.13	0.049	(0.067)	0.013	0.036
219	18.25	0.13	0.049	(0.067)	0.013	0.036
220	18.33	0.13	0.049	(0.067)	0.013	0.036
221	18.42	0.13	0.049	(0.066)	0.013	0.036
222	18.50	0.13	0.049	(0.066)	0.013	0.036
223	18.58	0.10	0.037	(0.066)	0.010	0.027
224	18.67	0.10	0.037	(0.065)	0.010	0.027
225	18.75	0.10	0.037	(0.065)	0.010	0.027
226	18.83	0.07	0.025	(0.065)	0.006	0.018
227	18.92	0.07	0.025	(0.064)	0.006	0.018
228	19.00	0.07	0.025	(0.064)	0.006	0.018
229	19.08	0.10	0.037	(0.064)	0.010	0.027
230	19.17	0.10	0.037	(0.063)	0.010	0.027
231	19.25	0.10	0.037	(0.063)	0.010	0.027
232	19.33	0.13	0.049	(0.063)	0.013	0.036
233	19.42	0.13	0.049	(0.063)	0.013	0.036
234	19.50	0.13	0.049	(0.062)	0.013	0.036
235	19.58	0.10	0.037	(0.062)	0.010	0.027
236	19.67	0.10	0.037	(0.062)	0.010	0.027
237	19.75	0.10	0.037	(0.061)	0.010	0.027
238	19.83	0.07	0.025	(0.061)	0.006	0.018
239	19.92	0.07	0.025	(0.061)	0.006	0.018
240	20.00	0.07	0.025	(0.061)	0.006	0.018
241	20.08	0.10	0.037	(0.060)	0.010	0.027
242	20.17	0.10	0.037	(0.060)	0.010	0.027
243	20.25	0.10	0.037	(0.060)	0.010	0.027
244	20.33	0.10	0.037	(0.060)	0.010	0.027
245	20.42	0.10	0.037	(0.059)	0.010	0.027
246	20.50	0.10	0.037	(0.059)	0.010	0.027

247	20.58	0.10	0.037	(0.059)	0.010	0.027
248	20.67	0.10	0.037	(0.059)	0.010	0.027
249	20.75	0.10	0.037	(0.058)	0.010	0.027
250	20.83	0.07	0.025	(0.058)	0.006	0.018
251	20.92	0.07	0.025	(0.058)	0.006	0.018
252	21.00	0.07	0.025	(0.058)	0.006	0.018
253	21.08	0.10	0.037	(0.057)	0.010	0.027
254	21.17	0.10	0.037	(0.057)	0.010	0.027
255	21.25	0.10	0.037	(0.057)	0.010	0.027
256	21.33	0.07	0.025	(0.057)	0.006	0.018
257	21.42	0.07	0.025	(0.057)	0.006	0.018
258	21.50	0.07	0.025	(0.056)	0.006	0.018
259	21.58	0.10	0.037	(0.056)	0.010	0.027
260	21.67	0.10	0.037	(0.056)	0.010	0.027
261	21.75	0.10	0.037	(0.056)	0.010	0.027
262	21.83	0.07	0.025	(0.055)	0.006	0.018
263	21.92	0.07	0.025	(0.055)	0.006	0.018
264	22.00	0.07	0.025	(0.055)	0.006	0.018
265	22.08	0.10	0.037	(0.055)	0.010	0.027
266	22.17	0.10	0.037	(0.055)	0.010	0.027
267	22.25	0.10	0.037	(0.055)	0.010	0.027
268	22.33	0.07	0.025	(0.054)	0.006	0.018
269	22.42	0.07	0.025	(0.054)	0.006	0.018
270	22.50	0.07	0.025	(0.054)	0.006	0.018
271	22.58	0.07	0.025	(0.054)	0.006	0.018
272	22.67	0.07	0.025	(0.054)	0.006	0.018
273	22.75	0.07	0.025	(0.054)	0.006	0.018
274	22.83	0.07	0.025	(0.053)	0.006	0.018
275	22.92	0.07	0.025	(0.053)	0.006	0.018
276	23.00	0.07	0.025	(0.053)	0.006	0.018
277	23.08	0.07	0.025	(0.053)	0.006	0.018
278	23.17	0.07	0.025	(0.053)	0.006	0.018
279	23.25	0.07	0.025	(0.053)	0.006	0.018
280	23.33	0.07	0.025	(0.053)	0.006	0.018
281	23.42	0.07	0.025	(0.053)	0.006	0.018
282	23.50	0.07	0.025	(0.053)	0.006	0.018
283	23.58	0.07	0.025	(0.052)	0.006	0.018
284	23.67	0.07	0.025	(0.052)	0.006	0.018
285	23.75	0.07	0.025	(0.052)	0.006	0.018
286	23.83	0.07	0.025	(0.052)	0.006	0.018
287	23.92	0.07	0.025	(0.052)	0.006	0.018
288	24.00	0.07	0.025	(0.052)	0.006	0.018

(Loss Rate Not Used)

Sum = 100.0

Sum = 27.4

Flood volume = Effective rainfall 2.28(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.79(In)

Total soil loss = 0.078(Ac.Ft)

Total rainfall = 3.07(In)

Flood volume = 9865.4 Cubic Feet

Total soil loss = 3412.1 Cubic Feet

Peak flow rate of this hydrograph = 0.394(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0004	0.02	Q				
0+20	0.0006	0.03	Q				
0+25	0.0008	0.03	Q				
0+30	0.0010	0.03	Q				
0+35	0.0013	0.03	Q				
0+40	0.0015	0.03	Q				
0+45	0.0017	0.03	Q				
0+50	0.0020	0.04	Q				
0+55	0.0023	0.04	Q				
1+ 0	0.0026	0.04	Q				
1+ 5	0.0028	0.04	Q				
1+10	0.0031	0.03	Q				
1+15	0.0033	0.03	Q				
1+20	0.0035	0.03	Q				
1+25	0.0037	0.03	Q				
1+30	0.0040	0.03	Q				
1+35	0.0042	0.03	Q				
1+40	0.0044	0.03	Q				
1+45	0.0046	0.03	Q				
1+50	0.0049	0.04	Q				
1+55	0.0052	0.04	Q				
2+ 0	0.0055	0.04	Q				
2+ 5	0.0058	0.04	QV				
2+10	0.0061	0.04	QV				
2+15	0.0064	0.04	QV				
2+20	0.0067	0.04	QV				
2+25	0.0070	0.04	QV				
2+30	0.0073	0.04	QV				
2+35	0.0077	0.05	QV				
2+40	0.0080	0.05	QV				
2+45	0.0084	0.05	QV				
2+50	0.0088	0.05	QV				
2+55	0.0092	0.05	QV				
3+ 0	0.0095	0.05	QV				
3+ 5	0.0099	0.05	QV				

3+10	0.0103	0.05	QV				
3+15	0.0107	0.05	QV				
3+20	0.0110	0.05	QV				
3+25	0.0114	0.05	Q V				
3+30	0.0118	0.05	Q V				
3+35	0.0122	0.05	Q V				
3+40	0.0125	0.05	Q V				
3+45	0.0129	0.05	Q V				
3+50	0.0133	0.06	Q V				
3+55	0.0138	0.07	Q V				
4+ 0	0.0142	0.07	Q V				
4+ 5	0.0147	0.07	Q V				
4+10	0.0151	0.07	Q V				
4+15	0.0156	0.07	Q V				
4+20	0.0161	0.07	Q V				
4+25	0.0166	0.08	Q V				
4+30	0.0171	0.08	Q V				
4+35	0.0177	0.08	Q V				
4+40	0.0182	0.08	Q V				
4+45	0.0187	0.08	Q V				
4+50	0.0193	0.08	Q V				
4+55	0.0199	0.09	Q V				
5+ 0	0.0205	0.09	Q V				
5+ 5	0.0210	0.07	Q V				
5+10	0.0215	0.07	Q V				
5+15	0.0219	0.07	Q V				
5+20	0.0224	0.07	Q V				
5+25	0.0229	0.08	Q V				
5+30	0.0235	0.08	Q V				
5+35	0.0240	0.08	Q V				
5+40	0.0246	0.09	Q V				
5+45	0.0252	0.09	Q V				
5+50	0.0258	0.09	Q V				
5+55	0.0264	0.09	Q V				
6+ 0	0.0270	0.09	Q V				
6+ 5	0.0277	0.09	Q V				
6+10	0.0284	0.10	Q V				
6+15	0.0290	0.10	Q V				
6+20	0.0297	0.10	Q V				
6+25	0.0304	0.10	Q V				
6+30	0.0311	0.10	Q V				
6+35	0.0318	0.11	Q V				
6+40	0.0325	0.11	Q V				
6+45	0.0333	0.11	Q V				
6+50	0.0340	0.11	Q V				
6+55	0.0348	0.11	Q V				
7+ 0	0.0356	0.11	Q V				
7+ 5	0.0363	0.11	Q V				
7+10	0.0371	0.11	Q V				
7+15	0.0378	0.11	Q V				

7+20	0.0386	0.12	Q	V				
7+25	0.0394	0.12	Q	V				
7+30	0.0403	0.12	Q	V				
7+35	0.0411	0.13	Q	V				
7+40	0.0420	0.13	Q	V				
7+45	0.0429	0.13	Q	V				
7+50	0.0439	0.14	Q	V				
7+55	0.0449	0.14	Q	V				
8+ 0	0.0458	0.14	Q	V				
8+ 5	0.0469	0.16	Q	V				
8+10	0.0480	0.16	Q	V				
8+15	0.0492	0.16	Q	V				
8+20	0.0503	0.16	Q	V				
8+25	0.0514	0.16	Q	V				
8+30	0.0525	0.16	Q	V				
8+35	0.0537	0.17	Q	V				
8+40	0.0549	0.17	Q	V				
8+45	0.0561	0.17	Q	V				
8+50	0.0574	0.18	Q	V				
8+55	0.0586	0.19	Q	V				
9+ 0	0.0599	0.19	Q	V				
9+ 5	0.0613	0.20	Q	V				
9+10	0.0627	0.21	Q	V				
9+15	0.0641	0.21	Q	V				
9+20	0.0656	0.21	Q	V				
9+25	0.0671	0.22	Q	V				
9+30	0.0686	0.22	Q	V				
9+35	0.0702	0.23	Q	V				
9+40	0.0717	0.23	Q	V				
9+45	0.0733	0.23	Q	V				
9+50	0.0749	0.24	Q	V				
9+55	0.0766	0.24	Q	V				
10+ 0	0.0783	0.24	Q	V				
10+ 5	0.0796	0.19	Q	V				
10+10	0.0807	0.17	Q	V				
10+15	0.0819	0.16	Q	V				
10+20	0.0830	0.16	Q	V				
10+25	0.0841	0.16	Q	V				
10+30	0.0852	0.16	Q	V				
10+35	0.0866	0.20	Q	V				
10+40	0.0881	0.22	Q	V				
10+45	0.0896	0.22	Q	V				
10+50	0.0911	0.22	Q	V				
10+55	0.0926	0.22	Q	V				
11+ 0	0.0941	0.22	Q	V				
11+ 5	0.0956	0.21	Q	V				
11+10	0.0970	0.21	Q	V				
11+15	0.0984	0.21	Q	V				
11+20	0.0999	0.21	Q	V				
11+25	0.1013	0.21	Q	V				

11+30	0.1027	0.21	Q	V			
11+35	0.1040	0.19	Q	V			
11+40	0.1053	0.19	Q	V			
11+45	0.1066	0.19	Q	V			
11+50	0.1079	0.19	Q	V			
11+55	0.1093	0.20	Q	V			
12+ 0	0.1106	0.20	Q	V			
12+ 5	0.1123	0.24	Q	V			
12+10	0.1142	0.27	Q	V			
12+15	0.1161	0.27	Q	V			
12+20	0.1180	0.28	Q	V			
12+25	0.1199	0.28	Q	V			
12+30	0.1219	0.28	Q	V			
12+35	0.1239	0.30	Q	V			
12+40	0.1260	0.30	Q	V			
12+45	0.1281	0.31	Q	V			
12+50	0.1303	0.31	Q	V			
12+55	0.1325	0.32	Q	V			
13+ 0	0.1347	0.32	Q	V			
13+ 5	0.1372	0.36	Q	V			
13+10	0.1398	0.39	Q	V			
13+15	0.1425	0.39	Q	V			
13+20	0.1452	0.39	Q	V			
13+25	0.1480	0.39	Q	V			
13+30	0.1507	0.39	Q	V			
13+35	0.1528	0.31	Q	V			
13+40	0.1545	0.26	Q	V			
13+45	0.1563	0.25	Q	V			
13+50	0.1580	0.25	Q	V			
13+55	0.1597	0.25	Q	V			
14+ 0	0.1615	0.25	Q	V			
14+ 5	0.1634	0.28	Q	V			
14+10	0.1654	0.29	Q	V			
14+15	0.1674	0.30	Q	V			
14+20	0.1694	0.29	Q	V			
14+25	0.1714	0.28	Q	V			
14+30	0.1733	0.28	Q	V			
14+35	0.1753	0.28	Q	V			
14+40	0.1772	0.28	Q	V			
14+45	0.1792	0.28	Q	V			
14+50	0.1811	0.28	Q	V			
14+55	0.1830	0.27	Q	V			
15+ 0	0.1849	0.27	Q	V			
15+ 5	0.1867	0.27	Q	V			
15+10	0.1885	0.26	Q	V			
15+15	0.1903	0.26	Q	V			
15+20	0.1921	0.26	Q	V			
15+25	0.1938	0.25	Q	V			
15+30	0.1955	0.25	Q	V			
15+35	0.1971	0.22	Q	V			

15+40	0.1985	0.21	Q				V
15+45	0.1999	0.21	Q				V
15+50	0.2014	0.21	Q				V
15+55	0.2028	0.21	Q				V
16+ 0	0.2042	0.21	Q				V
16+ 5	0.2050	0.11	Q				V
16+10	0.2053	0.05	Q				V
16+15	0.2056	0.04	Q				V
16+20	0.2059	0.04	Q				V
16+25	0.2062	0.04	Q				V
16+30	0.2065	0.04	Q				V
16+35	0.2068	0.04	Q				V
16+40	0.2070	0.03	Q				V
16+45	0.2072	0.03	Q				V
16+50	0.2074	0.03	Q				V
16+55	0.2077	0.03	Q				V
17+ 0	0.2079	0.03	Q				V
17+ 5	0.2082	0.05	Q				V
17+10	0.2086	0.05	Q				V
17+15	0.2090	0.05	Q				V
17+20	0.2093	0.05	Q				V
17+25	0.2097	0.05	Q				V
17+30	0.2101	0.05	Q				V
17+35	0.2105	0.05	Q				V
17+40	0.2108	0.05	Q				V
17+45	0.2112	0.05	Q				V
17+50	0.2115	0.05	Q				V
17+55	0.2118	0.04	Q				V
18+ 0	0.2121	0.04	Q				V
18+ 5	0.2124	0.04	Q				V
18+10	0.2127	0.04	Q				V
18+15	0.2130	0.04	Q				V
18+20	0.2133	0.04	Q				V
18+25	0.2136	0.04	Q				V
18+30	0.2139	0.04	Q				V
18+35	0.2142	0.04	Q				V
18+40	0.2144	0.03	Q				V
18+45	0.2147	0.03	Q				V
18+50	0.2148	0.03	Q				V
18+55	0.2150	0.02	Q				V
19+ 0	0.2151	0.02	Q				V
19+ 5	0.2153	0.03	Q				V
19+10	0.2156	0.03	Q				V
19+15	0.2158	0.03	Q				V
19+20	0.2161	0.04	Q				V
19+25	0.2164	0.04	Q				V
19+30	0.2167	0.04	Q				V
19+35	0.2169	0.04	Q				V
19+40	0.2171	0.03	Q				V
19+45	0.2174	0.03	Q				V

19+50	0.2175	0.03	Q				V
19+55	0.2177	0.02	Q				V
20+ 0	0.2178	0.02	Q				V
20+ 5	0.2180	0.03	Q				V
20+10	0.2183	0.03	Q				V
20+15	0.2185	0.03	Q				V
20+20	0.2187	0.03	Q				V
20+25	0.2189	0.03	Q				V
20+30	0.2192	0.03	Q				V
20+35	0.2194	0.03	Q				V
20+40	0.2196	0.03	Q				V
20+45	0.2198	0.03	Q				V
20+50	0.2200	0.03	Q				V
20+55	0.2202	0.02	Q				V
21+ 0	0.2203	0.02	Q				V
21+ 5	0.2205	0.03	Q				V
21+10	0.2207	0.03	Q				V
21+15	0.2210	0.03	Q				V
21+20	0.2211	0.03	Q				V
21+25	0.2213	0.02	Q				V
21+30	0.2215	0.02	Q				V
21+35	0.2216	0.03	Q				V
21+40	0.2219	0.03	Q				V
21+45	0.2221	0.03	Q				V
21+50	0.2223	0.03	Q				V
21+55	0.2224	0.02	Q				V
22+ 0	0.2226	0.02	Q				V
22+ 5	0.2228	0.03	Q				V
22+10	0.2230	0.03	Q				V
22+15	0.2232	0.03	Q				V
22+20	0.2234	0.03	Q				V
22+25	0.2236	0.02	Q				V
22+30	0.2237	0.02	Q				V
22+35	0.2239	0.02	Q				V
22+40	0.2240	0.02	Q				V
22+45	0.2242	0.02	Q				V
22+50	0.2243	0.02	Q				V
22+55	0.2245	0.02	Q				V
23+ 0	0.2246	0.02	Q				V
23+ 5	0.2248	0.02	Q				V
23+10	0.2249	0.02	Q				V
23+15	0.2251	0.02	Q				V
23+20	0.2252	0.02	Q				V
23+25	0.2254	0.02	Q				V
23+30	0.2255	0.02	Q				V
23+35	0.2257	0.02	Q				V
23+40	0.2258	0.02	Q				V
23+45	0.2260	0.02	Q				V
23+50	0.2261	0.02	Q				V
23+55	0.2263	0.02	Q				V

24+ 0	0.2264	0.02	Q				V
24+ 5	0.2265	0.01	Q				V
24+10	0.2265	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda1610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.104)	0.027	0.078
2	0.17	0.60	0.126	(0.104)	0.033	0.094
3	0.25	0.60	0.126	(0.104)	0.033	0.094
4	0.33	0.60	0.126	(0.104)	0.033	0.094
5	0.42	0.60	0.126	(0.104)	0.033	0.094
6	0.50	0.70	0.147	(0.104)	0.038	0.109
7	0.58	0.70	0.147	(0.104)	0.038	0.109
8	0.67	0.70	0.147	(0.104)	0.038	0.109
9	0.75	0.70	0.147	(0.104)	0.038	0.109
10	0.83	0.70	0.147	(0.104)	0.038	0.109
11	0.92	0.70	0.147	(0.104)	0.038	0.109
12	1.00	0.80	0.169	(0.104)	0.044	0.125
13	1.08	0.80	0.169	(0.104)	0.044	0.125
14	1.17	0.80	0.169	(0.104)	0.044	0.125
15	1.25	0.80	0.169	(0.104)	0.044	0.125
16	1.33	0.80	0.169	(0.104)	0.044	0.125
17	1.42	0.80	0.169	(0.104)	0.044	0.125
18	1.50	0.80	0.169	(0.104)	0.044	0.125
19	1.58	0.80	0.169	(0.104)	0.044	0.125
20	1.67	0.80	0.169	(0.104)	0.044	0.125
21	1.75	0.80	0.169	(0.104)	0.044	0.125
22	1.83	0.80	0.169	(0.104)	0.044	0.125
23	1.92	0.80	0.169	(0.104)	0.044	0.125
24	2.00	0.90	0.190	(0.104)	0.049	0.140
25	2.08	0.80	0.169	(0.104)	0.044	0.125
26	2.17	0.90	0.190	(0.104)	0.049	0.140
27	2.25	0.90	0.190	(0.104)	0.049	0.140
28	2.33	0.90	0.190	(0.104)	0.049	0.140
29	2.42	0.90	0.190	(0.104)	0.049	0.140
30	2.50	0.90	0.190	(0.104)	0.049	0.140
31	2.58	0.90	0.190	(0.104)	0.049	0.140
32	2.67	0.90	0.190	(0.104)	0.049	0.140
33	2.75	1.00	0.211	(0.104)	0.055	0.156
34	2.83	1.00	0.211	(0.104)	0.055	0.156
35	2.92	1.00	0.211	(0.104)	0.055	0.156
36	3.00	1.00	0.211	(0.104)	0.055	0.156
37	3.08	1.00	0.211	(0.104)	0.055	0.156
38	3.17	1.10	0.232	(0.104)	0.060	0.171
39	3.25	1.10	0.232	(0.104)	0.060	0.171
40	3.33	1.10	0.232	(0.104)	0.060	0.171
41	3.42	1.20	0.253	(0.104)	0.066	0.187
42	3.50	1.30	0.274	(0.104)	0.071	0.203
43	3.58	1.40	0.295	(0.104)	0.077	0.218
44	3.67	1.40	0.295	(0.104)	0.077	0.218
45	3.75	1.50	0.316	(0.104)	0.082	0.234
46	3.83	1.50	0.316	(0.104)	0.082	0.234

47	3.92	1.60	0.337	(0.104)	0.088	0.249
48	4.00	1.60	0.337	(0.104)	0.088	0.249
49	4.08	1.70	0.358	(0.104)	0.093	0.265
50	4.17	1.80	0.379	(0.104)	0.099	0.281
51	4.25	1.90	0.400	(0.104)	0.104	0.296
52	4.33	2.00	0.421	0.104	(0.110)	0.317
53	4.42	2.10	0.442	0.104	(0.115)	0.338
54	4.50	2.10	0.442	0.104	(0.115)	0.338
55	4.58	2.20	0.463	0.104	(0.120)	0.359
56	4.67	2.30	0.484	0.104	(0.126)	0.380
57	4.75	2.40	0.506	0.104	(0.131)	0.401
58	4.83	2.40	0.506	0.104	(0.131)	0.401
59	4.92	2.50	0.527	0.104	(0.137)	0.422
60	5.00	2.60	0.548	0.104	(0.142)	0.443
61	5.08	3.10	0.653	0.104	(0.170)	0.549
62	5.17	3.60	0.758	0.104	(0.197)	0.654
63	5.25	3.90	0.821	0.104	(0.214)	0.717
64	5.33	4.20	0.885	0.104	(0.230)	0.780
65	5.42	4.70	0.990	0.104	(0.257)	0.886
66	5.50	5.60	1.180	0.104	(0.307)	1.075
67	5.58	1.90	0.400	(0.104)	0.104	0.296
68	5.67	0.90	0.190	(0.104)	0.049	0.140
69	5.75	0.60	0.126	(0.104)	0.033	0.094
70	5.83	0.50	0.105	(0.104)	0.027	0.078
71	5.92	0.30	0.063	(0.104)	0.016	0.047
72	6.00	0.20	0.042	(0.104)	0.011	0.031

(Loss Rate Not Used)

Sum = 100.0

Sum = 16.5

Flood volume = Effective rainfall 1.38(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.38(In)
Total soil loss = 0.038(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 5948.4 Cubic Feet
Total soil loss = 1634.1 Cubic Feet

Peak flow rate of this hydrograph = 1.199(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0004	0.06	Q					
0+10	0.0011	0.10	Q					
0+15	0.0019	0.11	Q					

0+20	0.0026	0.11	Q				
0+25	0.0034	0.11	Q				
0+30	0.0043	0.12	QV				
0+35	0.0052	0.13	QV				
0+40	0.0061	0.13	QV				
0+45	0.0070	0.13	Q V				
0+50	0.0079	0.13	Q V				
0+55	0.0088	0.13	Q V				
1+ 0	0.0098	0.14	Q V				
1+ 5	0.0108	0.15	Q V				
1+10	0.0118	0.15	Q V				
1+15	0.0128	0.15	Q V				
1+20	0.0139	0.15	Q V				
1+25	0.0149	0.15	Q V				
1+30	0.0159	0.15	Q V				
1+35	0.0170	0.15	Q V				
1+40	0.0180	0.15	Q V				
1+45	0.0190	0.15	Q V				
1+50	0.0201	0.15	Q V				
1+55	0.0211	0.15	Q V				
2+ 0	0.0222	0.16	Q V				
2+ 5	0.0233	0.16	Q V				
2+10	0.0244	0.16	Q V				
2+15	0.0255	0.17	Q V				
2+20	0.0267	0.17	Q V				
2+25	0.0279	0.17	Q V				
2+30	0.0290	0.17	Q V				
2+35	0.0302	0.17	Q V				
2+40	0.0313	0.17	Q V				
2+45	0.0326	0.18	Q V				
2+50	0.0339	0.19	Q V				
2+55	0.0351	0.19	Q V				
3+ 0	0.0364	0.19	Q V				
3+ 5	0.0377	0.19	Q V				
3+10	0.0391	0.20	Q V				
3+15	0.0405	0.21	Q V				
3+20	0.0419	0.21	Q V				
3+25	0.0434	0.22	Q V				
3+30	0.0450	0.24	Q V				
3+35	0.0468	0.25	Q V				
3+40	0.0486	0.26	Q V				
3+45	0.0505	0.27	Q V				
3+50	0.0524	0.28	Q V				
3+55	0.0544	0.29	Q V				
4+ 0	0.0565	0.30	Q V				
4+ 5	0.0586	0.31	Q V				
4+10	0.0609	0.33	Q V				
4+15	0.0633	0.35	Q V				
4+20	0.0658	0.37	Q V				
4+25	0.0685	0.39	Q V				

4+30	0.0713	0.40	Q		V		
4+35	0.0742	0.42	Q		V		
4+40	0.0773	0.45	Q		V		
4+45	0.0805	0.47	Q		V		
4+50	0.0838	0.48	Q		V		
4+55	0.0873	0.50	Q		V		
5+ 0	0.0909	0.52	Q		V		
5+ 5	0.0950	0.61	Q		V		
5+10	0.1001	0.73	Q		V		
5+15	0.1058	0.83	Q		V		
5+20	0.1120	0.90	Q		V		
5+25	0.1190	1.01	Q		V		
5+30	0.1272	1.20	Q		V		
5+35	0.1321	0.70	Q		V		
5+40	0.1340	0.28	Q		V		
5+45	0.1349	0.14	Q		V		
5+50	0.1356	0.10	Q		V		
5+55	0.1361	0.07	Q		V		
6+ 0	0.1364	0.05	Q		V		
6+ 5	0.1365	0.01	Q		V		
6+10	0.1366	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda1310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	(0.104)	0.052	0.149
2	0.17	1.30	0.201	(0.104)	0.052	0.149
3	0.25	1.10	0.170	(0.104)	0.044	0.126
4	0.33	1.50	0.232	(0.104)	0.060	0.171
5	0.42	1.50	0.232	(0.104)	0.060	0.171
6	0.50	1.80	0.278	(0.104)	0.072	0.206
7	0.58	1.50	0.232	(0.104)	0.060	0.171
8	0.67	1.80	0.278	(0.104)	0.072	0.206
9	0.75	1.80	0.278	(0.104)	0.072	0.206
10	0.83	1.50	0.232	(0.104)	0.060	0.171
11	0.92	1.60	0.247	(0.104)	0.064	0.183
12	1.00	1.80	0.278	(0.104)	0.072	0.206
13	1.08	2.20	0.340	(0.104)	0.088	0.251
14	1.17	2.20	0.340	(0.104)	0.088	0.251
15	1.25	2.20	0.340	(0.104)	0.088	0.251
16	1.33	2.00	0.309	(0.104)	0.080	0.229
17	1.42	2.60	0.402	0.104	(0.104)	0.297
18	1.50	2.70	0.417	0.104	(0.108)	0.313
19	1.58	2.40	0.371	(0.104)	0.096	0.274
20	1.67	2.70	0.417	0.104	(0.108)	0.313
21	1.75	3.30	0.510	0.104	(0.133)	0.405
22	1.83	3.10	0.479	0.104	(0.125)	0.374
23	1.92	2.90	0.448	0.104	(0.116)	0.344
24	2.00	3.00	0.463	0.104	(0.120)	0.359
25	2.08	3.10	0.479	0.104	(0.125)	0.374
26	2.17	4.20	0.649	0.104	(0.169)	0.544
27	2.25	5.00	0.772	0.104	(0.201)	0.668
28	2.33	3.50	0.541	0.104	(0.141)	0.436
29	2.42	6.80	1.050	0.104	(0.273)	0.946
30	2.50	7.30	1.128	0.104	(0.293)	1.023
31	2.58	8.20	1.267	0.104	(0.329)	1.162
32	2.67	5.90	0.911	0.104	(0.237)	0.807
33	2.75	2.00	0.309	(0.104)	0.080	0.229
34	2.83	1.80	0.278	(0.104)	0.072	0.206
35	2.92	1.80	0.278	(0.104)	0.072	0.206
36	3.00	0.60	0.093	(0.104)	0.024	0.069

(Loss Rate Not Used)

Sum = 100.0

Sum = 12.4

Flood volume = Effective rainfall 1.04(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.25(In)
Total soil loss = 0.025(Ac.Ft)
Total rainfall = 1.29(In)
Flood volume = 4480.7 Cubic Feet
Total soil loss = 1079.8 Cubic Feet

Peak flow rate of this hydrograph = 1.328(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0008		0.11	Q				
0+10	0.0019		0.17	Q				
0+15	0.0031		0.16	QV				
0+20	0.0043		0.19	QV				
0+25	0.0057		0.20	Q V				
0+30	0.0073		0.23	Q V				
0+35	0.0088		0.22	Q V				
0+40	0.0104		0.23	Q V				
0+45	0.0121		0.25	Q V				
0+50	0.0137		0.22	Q V				
0+55	0.0151		0.22	Q V				
1+ 0	0.0168		0.24	Q V				
1+ 5	0.0187		0.28	Q V				
1+10	0.0208		0.30	Q V				
1+15	0.0228		0.30	Q V				
1+20	0.0248		0.28	Q V				
1+25	0.0271		0.33	Q V				
1+30	0.0296		0.36	Q V				
1+35	0.0319		0.35	Q V				
1+40	0.0344		0.36	Q V				
1+45	0.0375		0.44	Q V				
1+50	0.0406		0.46	Q V				
1+55	0.0436		0.43	Q V				
2+ 0	0.0465		0.43	Q V				
2+ 5	0.0495		0.44	Q V				
2+10	0.0535		0.58	Q V				
2+15	0.0586		0.74	Q V				
2+20	0.0629		0.62	Q V				
2+25	0.0692		0.91	Q V				
2+30	0.0772		1.17	Q V				
2+35	0.0864		1.33	Q V				
2+40	0.0941		1.12	Q V				
2+45	0.0979		0.55	Q V				
2+50	0.0999		0.28	Q V				
2+55	0.1016		0.25	Q V				
3+ 0	0.1026		0.14	Q V				
3+ 5	0.1028		0.04	Q V				
3+10	0.1029		0.00	Q V				

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 10 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	62.118
2	0.167	720.100	34.028
3	0.250	1080.150	3.853
		Sum = 100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	(0.104)	0.103	0.293
2	0.17	4.30	0.405	0.104	(0.105)	0.301
3	0.25	5.00	0.471	0.104	(0.123)	0.367
4	0.33	5.00	0.471	0.104	(0.123)	0.367
5	0.42	5.80	0.547	0.104	(0.142)	0.442
6	0.50	6.50	0.613	0.104	(0.159)	0.508
7	0.58	7.40	0.698	0.104	(0.181)	0.593
8	0.67	8.60	0.811	0.104	(0.211)	0.706
9	0.75	12.30	1.160	0.104	(0.301)	1.055
10	0.83	29.10	2.743	0.104	(0.713)	2.639
11	0.92	6.80	0.641	0.104	(0.167)	0.537
12	1.00	5.00	0.471	0.104	(0.123)	0.367

(Loss Rate Not Used)

Sum = 100.0 Sum = 8.2

Flood volume = Effective rainfall 0.68(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.010(Ac.Ft)
Total rainfall = 0.79(In)
Flood volume = 2943.2 Cubic Feet
Total soil loss = 450.4 Cubic Feet

Peak flow rate of this hydrograph = 2.430(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0015	0.22	Q				
0+10	0.0039	0.34	QV				
0+15	0.0067	0.41	Q V				
0+20	0.0097	0.44	Q V				
0+25	0.0131	0.50	Q V				
0+30	0.0171	0.58	Q V				
0+35	0.0217	0.67	Q V				
0+40	0.0272	0.79	Q V				
0+45	0.0348	1.10	Q V				
0+50	0.0515	2.43	Q V				
0+55	0.0620	1.53	Q V				

1+ 0	0.0662	0.61	Q				V
1+ 5	0.0674	0.17	Q				V
1+10	0.0676	0.02	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda1245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.285)	0.005	0.015
2	0.17	0.07	0.021	(0.284)	0.005	0.015
3	0.25	0.07	0.021	(0.283)	0.005	0.015
4	0.33	0.10	0.031	(0.282)	0.008	0.023
5	0.42	0.10	0.031	(0.280)	0.008	0.023
6	0.50	0.10	0.031	(0.279)	0.008	0.023
7	0.58	0.10	0.031	(0.278)	0.008	0.023
8	0.67	0.10	0.031	(0.277)	0.008	0.023
9	0.75	0.10	0.031	(0.276)	0.008	0.023
10	0.83	0.13	0.041	(0.275)	0.011	0.031
11	0.92	0.13	0.041	(0.274)	0.011	0.031
12	1.00	0.13	0.041	(0.273)	0.011	0.031
13	1.08	0.10	0.031	(0.272)	0.008	0.023
14	1.17	0.10	0.031	(0.271)	0.008	0.023
15	1.25	0.10	0.031	(0.270)	0.008	0.023
16	1.33	0.10	0.031	(0.269)	0.008	0.023
17	1.42	0.10	0.031	(0.268)	0.008	0.023
18	1.50	0.10	0.031	(0.266)	0.008	0.023
19	1.58	0.10	0.031	(0.265)	0.008	0.023
20	1.67	0.10	0.031	(0.264)	0.008	0.023
21	1.75	0.10	0.031	(0.263)	0.008	0.023
22	1.83	0.13	0.041	(0.262)	0.011	0.031
23	1.92	0.13	0.041	(0.261)	0.011	0.031
24	2.00	0.13	0.041	(0.260)	0.011	0.031
25	2.08	0.13	0.041	(0.259)	0.011	0.031
26	2.17	0.13	0.041	(0.258)	0.011	0.031
27	2.25	0.13	0.041	(0.257)	0.011	0.031
28	2.33	0.13	0.041	(0.256)	0.011	0.031
29	2.42	0.13	0.041	(0.255)	0.011	0.031
30	2.50	0.13	0.041	(0.254)	0.011	0.031
31	2.58	0.17	0.052	(0.253)	0.013	0.038
32	2.67	0.17	0.052	(0.252)	0.013	0.038
33	2.75	0.17	0.052	(0.251)	0.013	0.038
34	2.83	0.17	0.052	(0.250)	0.013	0.038
35	2.92	0.17	0.052	(0.249)	0.013	0.038
36	3.00	0.17	0.052	(0.248)	0.013	0.038
37	3.08	0.17	0.052	(0.247)	0.013	0.038
38	3.17	0.17	0.052	(0.246)	0.013	0.038
39	3.25	0.17	0.052	(0.245)	0.013	0.038
40	3.33	0.17	0.052	(0.244)	0.013	0.038
41	3.42	0.17	0.052	(0.243)	0.013	0.038
42	3.50	0.17	0.052	(0.241)	0.013	0.038
43	3.58	0.17	0.052	(0.240)	0.013	0.038
44	3.67	0.17	0.052	(0.239)	0.013	0.038
45	3.75	0.17	0.052	(0.238)	0.013	0.038
46	3.83	0.20	0.062	(0.237)	0.016	0.046

47	3.92	0.20	0.062	(0.236)	0.016	0.046
48	4.00	0.20	0.062	(0.235)	0.016	0.046
49	4.08	0.20	0.062	(0.234)	0.016	0.046
50	4.17	0.20	0.062	(0.233)	0.016	0.046
51	4.25	0.20	0.062	(0.232)	0.016	0.046
52	4.33	0.23	0.072	(0.231)	0.019	0.053
53	4.42	0.23	0.072	(0.230)	0.019	0.053
54	4.50	0.23	0.072	(0.229)	0.019	0.053
55	4.58	0.23	0.072	(0.229)	0.019	0.053
56	4.67	0.23	0.072	(0.228)	0.019	0.053
57	4.75	0.23	0.072	(0.227)	0.019	0.053
58	4.83	0.27	0.083	(0.226)	0.021	0.061
59	4.92	0.27	0.083	(0.225)	0.021	0.061
60	5.00	0.27	0.083	(0.224)	0.021	0.061
61	5.08	0.20	0.062	(0.223)	0.016	0.046
62	5.17	0.20	0.062	(0.222)	0.016	0.046
63	5.25	0.20	0.062	(0.221)	0.016	0.046
64	5.33	0.23	0.072	(0.220)	0.019	0.053
65	5.42	0.23	0.072	(0.219)	0.019	0.053
66	5.50	0.23	0.072	(0.218)	0.019	0.053
67	5.58	0.27	0.083	(0.217)	0.021	0.061
68	5.67	0.27	0.083	(0.216)	0.021	0.061
69	5.75	0.27	0.083	(0.215)	0.021	0.061
70	5.83	0.27	0.083	(0.214)	0.021	0.061
71	5.92	0.27	0.083	(0.213)	0.021	0.061
72	6.00	0.27	0.083	(0.212)	0.021	0.061
73	6.08	0.30	0.093	(0.211)	0.024	0.069
74	6.17	0.30	0.093	(0.210)	0.024	0.069
75	6.25	0.30	0.093	(0.209)	0.024	0.069
76	6.33	0.30	0.093	(0.208)	0.024	0.069
77	6.42	0.30	0.093	(0.207)	0.024	0.069
78	6.50	0.30	0.093	(0.207)	0.024	0.069
79	6.58	0.33	0.103	(0.206)	0.027	0.076
80	6.67	0.33	0.103	(0.205)	0.027	0.076
81	6.75	0.33	0.103	(0.204)	0.027	0.076
82	6.83	0.33	0.103	(0.203)	0.027	0.076
83	6.92	0.33	0.103	(0.202)	0.027	0.076
84	7.00	0.33	0.103	(0.201)	0.027	0.076
85	7.08	0.33	0.103	(0.200)	0.027	0.076
86	7.17	0.33	0.103	(0.199)	0.027	0.076
87	7.25	0.33	0.103	(0.198)	0.027	0.076
88	7.33	0.37	0.114	(0.197)	0.030	0.084
89	7.42	0.37	0.114	(0.196)	0.030	0.084
90	7.50	0.37	0.114	(0.196)	0.030	0.084
91	7.58	0.40	0.124	(0.195)	0.032	0.092
92	7.67	0.40	0.124	(0.194)	0.032	0.092
93	7.75	0.40	0.124	(0.193)	0.032	0.092
94	7.83	0.43	0.134	(0.192)	0.035	0.099
95	7.92	0.43	0.134	(0.191)	0.035	0.099
96	8.00	0.43	0.134	(0.190)	0.035	0.099

97	8.08	0.50	0.155	(0.189)	0.040	0.115
98	8.17	0.50	0.155	(0.188)	0.040	0.115
99	8.25	0.50	0.155	(0.188)	0.040	0.115
100	8.33	0.50	0.155	(0.187)	0.040	0.115
101	8.42	0.50	0.155	(0.186)	0.040	0.115
102	8.50	0.50	0.155	(0.185)	0.040	0.115
103	8.58	0.53	0.165	(0.184)	0.043	0.122
104	8.67	0.53	0.165	(0.183)	0.043	0.122
105	8.75	0.53	0.165	(0.182)	0.043	0.122
106	8.83	0.57	0.176	(0.181)	0.046	0.130
107	8.92	0.57	0.176	(0.181)	0.046	0.130
108	9.00	0.57	0.176	(0.180)	0.046	0.130
109	9.08	0.63	0.196	(0.179)	0.051	0.145
110	9.17	0.63	0.196	(0.178)	0.051	0.145
111	9.25	0.63	0.196	(0.177)	0.051	0.145
112	9.33	0.67	0.206	(0.176)	0.054	0.153
113	9.42	0.67	0.206	(0.176)	0.054	0.153
114	9.50	0.67	0.206	(0.175)	0.054	0.153
115	9.58	0.70	0.217	(0.174)	0.056	0.160
116	9.67	0.70	0.217	(0.173)	0.056	0.160
117	9.75	0.70	0.217	(0.172)	0.056	0.160
118	9.83	0.73	0.227	(0.171)	0.059	0.168
119	9.92	0.73	0.227	(0.171)	0.059	0.168
120	10.00	0.73	0.227	(0.170)	0.059	0.168
121	10.08	0.50	0.155	(0.169)	0.040	0.115
122	10.17	0.50	0.155	(0.168)	0.040	0.115
123	10.25	0.50	0.155	(0.167)	0.040	0.115
124	10.33	0.50	0.155	(0.166)	0.040	0.115
125	10.42	0.50	0.155	(0.166)	0.040	0.115
126	10.50	0.50	0.155	(0.165)	0.040	0.115
127	10.58	0.67	0.206	(0.164)	0.054	0.153
128	10.67	0.67	0.206	(0.163)	0.054	0.153
129	10.75	0.67	0.206	(0.162)	0.054	0.153
130	10.83	0.67	0.206	(0.162)	0.054	0.153
131	10.92	0.67	0.206	(0.161)	0.054	0.153
132	11.00	0.67	0.206	(0.160)	0.054	0.153
133	11.08	0.63	0.196	(0.159)	0.051	0.145
134	11.17	0.63	0.196	(0.158)	0.051	0.145
135	11.25	0.63	0.196	(0.158)	0.051	0.145
136	11.33	0.63	0.196	(0.157)	0.051	0.145
137	11.42	0.63	0.196	(0.156)	0.051	0.145
138	11.50	0.63	0.196	(0.155)	0.051	0.145
139	11.58	0.57	0.176	(0.155)	0.046	0.130
140	11.67	0.57	0.176	(0.154)	0.046	0.130
141	11.75	0.57	0.176	(0.153)	0.046	0.130
142	11.83	0.60	0.186	(0.152)	0.048	0.138
143	11.92	0.60	0.186	(0.152)	0.048	0.138
144	12.00	0.60	0.186	(0.151)	0.048	0.138
145	12.08	0.83	0.258	(0.150)	0.067	0.191
146	12.17	0.83	0.258	(0.149)	0.067	0.191

147	12.25	0.83	0.258	(0.149)	0.067	0.191
148	12.33	0.87	0.268	(0.148)	0.070	0.199
149	12.42	0.87	0.268	(0.147)	0.070	0.199
150	12.50	0.87	0.268	(0.146)	0.070	0.199
151	12.58	0.93	0.289	(0.146)	0.075	0.214
152	12.67	0.93	0.289	(0.145)	0.075	0.214
153	12.75	0.93	0.289	(0.144)	0.075	0.214
154	12.83	0.97	0.299	(0.143)	0.078	0.222
155	12.92	0.97	0.299	(0.143)	0.078	0.222
156	13.00	0.97	0.299	(0.142)	0.078	0.222
157	13.08	1.13	0.351	(0.141)	0.091	0.260
158	13.17	1.13	0.351	(0.140)	0.091	0.260
159	13.25	1.13	0.351	(0.140)	0.091	0.260
160	13.33	1.13	0.351	(0.139)	0.091	0.260
161	13.42	1.13	0.351	(0.138)	0.091	0.260
162	13.50	1.13	0.351	(0.138)	0.091	0.260
163	13.58	0.77	0.237	(0.137)	0.062	0.176
164	13.67	0.77	0.237	(0.136)	0.062	0.176
165	13.75	0.77	0.237	(0.136)	0.062	0.176
166	13.83	0.77	0.237	(0.135)	0.062	0.176
167	13.92	0.77	0.237	(0.134)	0.062	0.176
168	14.00	0.77	0.237	(0.133)	0.062	0.176
169	14.08	0.90	0.279	(0.133)	0.072	0.206
170	14.17	0.90	0.279	(0.132)	0.072	0.206
171	14.25	0.90	0.279	(0.131)	0.072	0.206
172	14.33	0.87	0.268	(0.131)	0.070	0.199
173	14.42	0.87	0.268	(0.130)	0.070	0.199
174	14.50	0.87	0.268	(0.129)	0.070	0.199
175	14.58	0.87	0.268	(0.129)	0.070	0.199
176	14.67	0.87	0.268	(0.128)	0.070	0.199
177	14.75	0.87	0.268	(0.127)	0.070	0.199
178	14.83	0.83	0.258	(0.127)	0.067	0.191
179	14.92	0.83	0.258	(0.126)	0.067	0.191
180	15.00	0.83	0.258	(0.126)	0.067	0.191
181	15.08	0.80	0.248	(0.125)	0.064	0.183
182	15.17	0.80	0.248	(0.124)	0.064	0.183
183	15.25	0.80	0.248	(0.124)	0.064	0.183
184	15.33	0.77	0.237	(0.123)	0.062	0.176
185	15.42	0.77	0.237	(0.122)	0.062	0.176
186	15.50	0.77	0.237	(0.122)	0.062	0.176
187	15.58	0.63	0.196	(0.121)	0.051	0.145
188	15.67	0.63	0.196	(0.120)	0.051	0.145
189	15.75	0.63	0.196	(0.120)	0.051	0.145
190	15.83	0.63	0.196	(0.119)	0.051	0.145
191	15.92	0.63	0.196	(0.119)	0.051	0.145
192	16.00	0.63	0.196	(0.118)	0.051	0.145
193	16.08	0.13	0.041	(0.117)	0.011	0.031
194	16.17	0.13	0.041	(0.117)	0.011	0.031
195	16.25	0.13	0.041	(0.116)	0.011	0.031
196	16.33	0.13	0.041	(0.116)	0.011	0.031

197	16.42	0.13	0.041	(0.115)	0.011	0.031
198	16.50	0.13	0.041	(0.114)	0.011	0.031
199	16.58	0.10	0.031	(0.114)	0.008	0.023
200	16.67	0.10	0.031	(0.113)	0.008	0.023
201	16.75	0.10	0.031	(0.113)	0.008	0.023
202	16.83	0.10	0.031	(0.112)	0.008	0.023
203	16.92	0.10	0.031	(0.112)	0.008	0.023
204	17.00	0.10	0.031	(0.111)	0.008	0.023
205	17.08	0.17	0.052	(0.110)	0.013	0.038
206	17.17	0.17	0.052	(0.110)	0.013	0.038
207	17.25	0.17	0.052	(0.109)	0.013	0.038
208	17.33	0.17	0.052	(0.109)	0.013	0.038
209	17.42	0.17	0.052	(0.108)	0.013	0.038
210	17.50	0.17	0.052	(0.108)	0.013	0.038
211	17.58	0.17	0.052	(0.107)	0.013	0.038
212	17.67	0.17	0.052	(0.107)	0.013	0.038
213	17.75	0.17	0.052	(0.106)	0.013	0.038
214	17.83	0.13	0.041	(0.106)	0.011	0.031
215	17.92	0.13	0.041	(0.105)	0.011	0.031
216	18.00	0.13	0.041	(0.105)	0.011	0.031
217	18.08	0.13	0.041	(0.104)	0.011	0.031
218	18.17	0.13	0.041	(0.104)	0.011	0.031
219	18.25	0.13	0.041	(0.103)	0.011	0.031
220	18.33	0.13	0.041	(0.102)	0.011	0.031
221	18.42	0.13	0.041	(0.102)	0.011	0.031
222	18.50	0.13	0.041	(0.102)	0.011	0.031
223	18.58	0.10	0.031	(0.101)	0.008	0.023
224	18.67	0.10	0.031	(0.101)	0.008	0.023
225	18.75	0.10	0.031	(0.100)	0.008	0.023
226	18.83	0.07	0.021	(0.100)	0.005	0.015
227	18.92	0.07	0.021	(0.099)	0.005	0.015
228	19.00	0.07	0.021	(0.099)	0.005	0.015
229	19.08	0.10	0.031	(0.098)	0.008	0.023
230	19.17	0.10	0.031	(0.098)	0.008	0.023
231	19.25	0.10	0.031	(0.097)	0.008	0.023
232	19.33	0.13	0.041	(0.097)	0.011	0.031
233	19.42	0.13	0.041	(0.096)	0.011	0.031
234	19.50	0.13	0.041	(0.096)	0.011	0.031
235	19.58	0.10	0.031	(0.095)	0.008	0.023
236	19.67	0.10	0.031	(0.095)	0.008	0.023
237	19.75	0.10	0.031	(0.095)	0.008	0.023
238	19.83	0.07	0.021	(0.094)	0.005	0.015
239	19.92	0.07	0.021	(0.094)	0.005	0.015
240	20.00	0.07	0.021	(0.093)	0.005	0.015
241	20.08	0.10	0.031	(0.093)	0.008	0.023
242	20.17	0.10	0.031	(0.093)	0.008	0.023
243	20.25	0.10	0.031	(0.092)	0.008	0.023
244	20.33	0.10	0.031	(0.092)	0.008	0.023
245	20.42	0.10	0.031	(0.091)	0.008	0.023
246	20.50	0.10	0.031	(0.091)	0.008	0.023

247	20.58	0.10	0.031	(0.091)	0.008	0.023
248	20.67	0.10	0.031	(0.090)	0.008	0.023
249	20.75	0.10	0.031	(0.090)	0.008	0.023
250	20.83	0.07	0.021	(0.089)	0.005	0.015
251	20.92	0.07	0.021	(0.089)	0.005	0.015
252	21.00	0.07	0.021	(0.089)	0.005	0.015
253	21.08	0.10	0.031	(0.088)	0.008	0.023
254	21.17	0.10	0.031	(0.088)	0.008	0.023
255	21.25	0.10	0.031	(0.088)	0.008	0.023
256	21.33	0.07	0.021	(0.087)	0.005	0.015
257	21.42	0.07	0.021	(0.087)	0.005	0.015
258	21.50	0.07	0.021	(0.087)	0.005	0.015
259	21.58	0.10	0.031	(0.086)	0.008	0.023
260	21.67	0.10	0.031	(0.086)	0.008	0.023
261	21.75	0.10	0.031	(0.086)	0.008	0.023
262	21.83	0.07	0.021	(0.085)	0.005	0.015
263	21.92	0.07	0.021	(0.085)	0.005	0.015
264	22.00	0.07	0.021	(0.085)	0.005	0.015
265	22.08	0.10	0.031	(0.085)	0.008	0.023
266	22.17	0.10	0.031	(0.084)	0.008	0.023
267	22.25	0.10	0.031	(0.084)	0.008	0.023
268	22.33	0.07	0.021	(0.084)	0.005	0.015
269	22.42	0.07	0.021	(0.084)	0.005	0.015
270	22.50	0.07	0.021	(0.083)	0.005	0.015
271	22.58	0.07	0.021	(0.083)	0.005	0.015
272	22.67	0.07	0.021	(0.083)	0.005	0.015
273	22.75	0.07	0.021	(0.083)	0.005	0.015
274	22.83	0.07	0.021	(0.082)	0.005	0.015
275	22.92	0.07	0.021	(0.082)	0.005	0.015
276	23.00	0.07	0.021	(0.082)	0.005	0.015
277	23.08	0.07	0.021	(0.082)	0.005	0.015
278	23.17	0.07	0.021	(0.082)	0.005	0.015
279	23.25	0.07	0.021	(0.081)	0.005	0.015
280	23.33	0.07	0.021	(0.081)	0.005	0.015
281	23.42	0.07	0.021	(0.081)	0.005	0.015
282	23.50	0.07	0.021	(0.081)	0.005	0.015
283	23.58	0.07	0.021	(0.081)	0.005	0.015
284	23.67	0.07	0.021	(0.081)	0.005	0.015
285	23.75	0.07	0.021	(0.081)	0.005	0.015
286	23.83	0.07	0.021	(0.080)	0.005	0.015
287	23.92	0.07	0.021	(0.080)	0.005	0.015
288	24.00	0.07	0.021	(0.080)	0.005	0.015

(Loss Rate Not Used)

Sum = 100.0

Sum = 22.9

Flood volume = Effective rainfall 1.91(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.67(In)

Total soil loss = 0.067(Ac.Ft)

Total rainfall = 2.58(In)

Flood volume = 8250.8 Cubic Feet

Total soil loss = 2898.9 Cubic Feet

Peak flow rate of this hydrograph = 0.312(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0003	0.02	Q				
0+20	0.0005	0.02	Q				
0+25	0.0007	0.03	Q				
0+30	0.0009	0.03	Q				
0+35	0.0011	0.03	Q				
0+40	0.0012	0.03	Q				
0+45	0.0014	0.03	Q				
0+50	0.0017	0.03	Q				
0+55	0.0019	0.04	Q				
1+ 0	0.0022	0.04	Q				
1+ 5	0.0024	0.03	Q				
1+10	0.0026	0.03	Q				
1+15	0.0028	0.03	Q				
1+20	0.0030	0.03	Q				
1+25	0.0031	0.03	Q				
1+30	0.0033	0.03	Q				
1+35	0.0035	0.03	Q				
1+40	0.0037	0.03	Q				
1+45	0.0039	0.03	Q				
1+50	0.0041	0.03	Q				
1+55	0.0044	0.04	Q				
2+ 0	0.0046	0.04	Q				
2+ 5	0.0049	0.04	QV				
2+10	0.0051	0.04	QV				
2+15	0.0054	0.04	QV				
2+20	0.0056	0.04	QV				
2+25	0.0059	0.04	QV				
2+30	0.0061	0.04	QV				
2+35	0.0064	0.04	QV				
2+40	0.0068	0.05	QV				
2+45	0.0071	0.05	QV				
2+50	0.0074	0.05	QV				
2+55	0.0077	0.05	QV				
3+ 0	0.0080	0.05	QV				
3+ 5	0.0083	0.05	QV				

3+10	0.0086	0.05	QV				
3+15	0.0090	0.05	QV				
3+20	0.0093	0.05	QV				
3+25	0.0096	0.05	Q V				
3+30	0.0099	0.05	Q V				
3+35	0.0102	0.05	Q V				
3+40	0.0105	0.05	Q V				
3+45	0.0109	0.05	Q V				
3+50	0.0112	0.05	Q V				
3+55	0.0116	0.05	Q V				
4+ 0	0.0120	0.06	Q V				
4+ 5	0.0123	0.06	Q V				
4+10	0.0127	0.06	Q V				
4+15	0.0131	0.06	Q V				
4+20	0.0135	0.06	Q V				
4+25	0.0140	0.06	Q V				
4+30	0.0144	0.06	Q V				
4+35	0.0148	0.06	Q V				
4+40	0.0153	0.06	Q V				
4+45	0.0157	0.06	Q V				
4+50	0.0162	0.07	Q V				
4+55	0.0167	0.07	Q V				
5+ 0	0.0172	0.07	Q V				
5+ 5	0.0176	0.06	Q V				
5+10	0.0180	0.06	Q V				
5+15	0.0184	0.06	Q V				
5+20	0.0188	0.06	Q V				
5+25	0.0193	0.06	Q V				
5+30	0.0197	0.06	Q V				
5+35	0.0202	0.07	Q V				
5+40	0.0207	0.07	Q V				
5+45	0.0212	0.07	Q V				
5+50	0.0217	0.07	Q V				
5+55	0.0222	0.07	Q V				
6+ 0	0.0227	0.07	Q V				
6+ 5	0.0233	0.08	Q V				
6+10	0.0238	0.08	Q V				
6+15	0.0244	0.08	Q V				
6+20	0.0250	0.08	Q V				
6+25	0.0255	0.08	Q V				
6+30	0.0261	0.08	Q V				
6+35	0.0267	0.09	Q V				
6+40	0.0273	0.09	Q V				
6+45	0.0280	0.09	Q V				
6+50	0.0286	0.09	Q V				
6+55	0.0292	0.09	Q V				
7+ 0	0.0299	0.09	Q V				
7+ 5	0.0305	0.09	Q V				
7+10	0.0311	0.09	Q V				
7+15	0.0317	0.09	Q V				

7+20	0.0324	0.10	Q	V				
7+25	0.0331	0.10	Q	V				
7+30	0.0338	0.10	Q	V				
7+35	0.0345	0.11	Q	V				
7+40	0.0353	0.11	Q	V				
7+45	0.0361	0.11	Q	V				
7+50	0.0368	0.12	Q	V				
7+55	0.0377	0.12	Q	V				
8+ 0	0.0385	0.12	Q	V				
8+ 5	0.0394	0.13	Q	V				
8+10	0.0403	0.14	Q	V				
8+15	0.0413	0.14	Q	V				
8+20	0.0422	0.14	Q	V				
8+25	0.0432	0.14	Q	V				
8+30	0.0441	0.14	Q	V				
8+35	0.0451	0.14	Q	V				
8+40	0.0461	0.15	Q	V				
8+45	0.0471	0.15	Q	V				
8+50	0.0482	0.15	Q	V				
8+55	0.0492	0.16	Q	V				
9+ 0	0.0503	0.16	Q	V				
9+ 5	0.0515	0.17	Q	V				
9+10	0.0527	0.17	Q	V				
9+15	0.0539	0.17	Q	V				
9+20	0.0551	0.18	Q	V				
9+25	0.0564	0.18	Q	V				
9+30	0.0576	0.18	Q	V				
9+35	0.0589	0.19	Q	V				
9+40	0.0602	0.19	Q	V				
9+45	0.0616	0.19	Q	V				
9+50	0.0629	0.20	Q	V				
9+55	0.0643	0.20	Q	V				
10+ 0	0.0657	0.20	Q	V				
10+ 5	0.0668	0.16	Q	V				
10+10	0.0678	0.14	Q	V				
10+15	0.0687	0.14	Q	V				
10+20	0.0697	0.14	Q	V				
10+25	0.0706	0.14	Q	V				
10+30	0.0716	0.14	Q	V				
10+35	0.0727	0.17	Q	V				
10+40	0.0740	0.18	Q	V				
10+45	0.0752	0.18	Q	V				
10+50	0.0765	0.18	Q	V				
10+55	0.0778	0.18	Q	V				
11+ 0	0.0790	0.18	Q	V				
11+ 5	0.0802	0.18	Q	V				
11+10	0.0815	0.17	Q	V				
11+15	0.0827	0.17	Q	V				
11+20	0.0839	0.17	Q	V				
11+25	0.0851	0.17	Q	V				

11+30	0.0863	0.17	Q	V			
11+35	0.0874	0.16	Q	V			
11+40	0.0884	0.16	Q	V			
11+45	0.0895	0.16	Q	V			
11+50	0.0906	0.16	Q	V			
11+55	0.0918	0.16	Q	V			
12+ 0	0.0929	0.17	Q	V			
12+ 5	0.0943	0.20	Q	V			
12+10	0.0959	0.23	Q	V			
12+15	0.0975	0.23	Q	V			
12+20	0.0991	0.23	Q	V			
12+25	0.1007	0.24	Q	V			
12+30	0.1024	0.24	Q	V			
12+35	0.1041	0.25	Q	V			
12+40	0.1058	0.26	Q	V			
12+45	0.1076	0.26	Q	V			
12+50	0.1094	0.26	Q	V			
12+55	0.1112	0.27	Q	V			
13+ 0	0.1131	0.27	Q	V			
13+ 5	0.1151	0.29	Q	V			
13+10	0.1172	0.31	Q	V			
13+15	0.1194	0.31	Q	V			
13+20	0.1215	0.31	Q	V			
13+25	0.1237	0.31	Q	V			
13+30	0.1258	0.31	Q	V			
13+35	0.1275	0.25	Q	V			
13+40	0.1290	0.21	Q	V			
13+45	0.1305	0.21	Q	V			
13+50	0.1319	0.21	Q	V			
13+55	0.1334	0.21	Q	V			
14+ 0	0.1348	0.21	Q	V			
14+ 5	0.1364	0.23	Q	V			
14+10	0.1381	0.25	Q	V			
14+15	0.1398	0.25	Q	V			
14+20	0.1415	0.24	Q	V			
14+25	0.1431	0.24	Q	V			
14+30	0.1448	0.24	Q	V			
14+35	0.1464	0.24	Q	V			
14+40	0.1481	0.24	Q	V			
14+45	0.1497	0.24	Q	V			
14+50	0.1513	0.23	Q	V			
14+55	0.1529	0.23	Q	V			
15+ 0	0.1545	0.23	Q	V			
15+ 5	0.1560	0.22	Q	V			
15+10	0.1575	0.22	Q	V			
15+15	0.1590	0.22	Q	V			
15+20	0.1605	0.21	Q	V			
15+25	0.1620	0.21	Q	V			
15+30	0.1634	0.21	Q	V			
15+35	0.1647	0.19	Q	V			

15+40	0.1659	0.18	Q				V
15+45	0.1671	0.17	Q				V
15+50	0.1683	0.17	Q				V
15+55	0.1695	0.17	Q				V
16+ 0	0.1707	0.17	Q				V
16+ 5	0.1713	0.09	Q				V
16+10	0.1716	0.04	Q				V
16+15	0.1719	0.04	Q				V
16+20	0.1721	0.04	Q				V
16+25	0.1724	0.04	Q				V
16+30	0.1726	0.04	Q				V
16+35	0.1729	0.03	Q				V
16+40	0.1730	0.03	Q				V
16+45	0.1732	0.03	Q				V
16+50	0.1734	0.03	Q				V
16+55	0.1736	0.03	Q				V
17+ 0	0.1738	0.03	Q				V
17+ 5	0.1741	0.04	Q				V
17+10	0.1744	0.05	Q				V
17+15	0.1747	0.05	Q				V
17+20	0.1750	0.05	Q				V
17+25	0.1753	0.05	Q				V
17+30	0.1756	0.05	Q				V
17+35	0.1760	0.05	Q				V
17+40	0.1763	0.05	Q				V
17+45	0.1766	0.05	Q				V
17+50	0.1769	0.04	Q				V
17+55	0.1771	0.04	Q				V
18+ 0	0.1774	0.04	Q				V
18+ 5	0.1776	0.04	Q				V
18+10	0.1779	0.04	Q				V
18+15	0.1781	0.04	Q				V
18+20	0.1784	0.04	Q				V
18+25	0.1786	0.04	Q				V
18+30	0.1789	0.04	Q				V
18+35	0.1791	0.03	Q				V
18+40	0.1793	0.03	Q				V
18+45	0.1795	0.03	Q				V
18+50	0.1796	0.02	Q				V
18+55	0.1798	0.02	Q				V
19+ 0	0.1799	0.02	Q				V
19+ 5	0.1801	0.02	Q				V
19+10	0.1802	0.03	Q				V
19+15	0.1804	0.03	Q				V
19+20	0.1807	0.03	Q				V
19+25	0.1809	0.04	Q				V
19+30	0.1812	0.04	Q				V
19+35	0.1814	0.03	Q				V
19+40	0.1816	0.03	Q				V
19+45	0.1818	0.03	Q				V

19+50	0.1819	0.02	Q				V
19+55	0.1820	0.02	Q				V
20+ 0	0.1822	0.02	Q				V
20+ 5	0.1823	0.02	Q				V
20+10	0.1825	0.03	Q				V
20+15	0.1827	0.03	Q				V
20+20	0.1829	0.03	Q				V
20+25	0.1831	0.03	Q				V
20+30	0.1833	0.03	Q				V
20+35	0.1835	0.03	Q				V
20+40	0.1837	0.03	Q				V
20+45	0.1838	0.03	Q				V
20+50	0.1840	0.02	Q				V
20+55	0.1841	0.02	Q				V
21+ 0	0.1842	0.02	Q				V
21+ 5	0.1844	0.02	Q				V
21+10	0.1846	0.03	Q				V
21+15	0.1848	0.03	Q				V
21+20	0.1849	0.02	Q				V
21+25	0.1851	0.02	Q				V
21+30	0.1852	0.02	Q				V
21+35	0.1854	0.02	Q				V
21+40	0.1855	0.03	Q				V
21+45	0.1857	0.03	Q				V
21+50	0.1859	0.02	Q				V
21+55	0.1860	0.02	Q				V
22+ 0	0.1861	0.02	Q				V
22+ 5	0.1863	0.02	Q				V
22+10	0.1865	0.03	Q				V
22+15	0.1867	0.03	Q				V
22+20	0.1868	0.02	Q				V
22+25	0.1870	0.02	Q				V
22+30	0.1871	0.02	Q				V
22+35	0.1872	0.02	Q				V
22+40	0.1873	0.02	Q				V
22+45	0.1875	0.02	Q				V
22+50	0.1876	0.02	Q				V
22+55	0.1877	0.02	Q				V
23+ 0	0.1878	0.02	Q				V
23+ 5	0.1880	0.02	Q				V
23+10	0.1881	0.02	Q				V
23+15	0.1882	0.02	Q				V
23+20	0.1883	0.02	Q				V
23+25	0.1885	0.02	Q				V
23+30	0.1886	0.02	Q				V
23+35	0.1887	0.02	Q				V
23+40	0.1889	0.02	Q				V
23+45	0.1890	0.02	Q				V
23+50	0.1891	0.02	Q				V
23+55	0.1892	0.02	Q				V

24+ 0	0.1894	0.02	Q				V
24+ 5	0.1894	0.01	Q				V
24+10	0.1894	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda165.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.161)	0.023	0.066
2	0.17	0.60	0.107	(0.161)	0.028	0.079
3	0.25	0.60	0.107	(0.161)	0.028	0.079
4	0.33	0.60	0.107	(0.161)	0.028	0.079
5	0.42	0.60	0.107	(0.161)	0.028	0.079
6	0.50	0.70	0.125	(0.161)	0.032	0.092
7	0.58	0.70	0.125	(0.161)	0.032	0.092
8	0.67	0.70	0.125	(0.161)	0.032	0.092
9	0.75	0.70	0.125	(0.161)	0.032	0.092
10	0.83	0.70	0.125	(0.161)	0.032	0.092
11	0.92	0.70	0.125	(0.161)	0.032	0.092
12	1.00	0.80	0.143	(0.161)	0.037	0.106
13	1.08	0.80	0.143	(0.161)	0.037	0.106
14	1.17	0.80	0.143	(0.161)	0.037	0.106
15	1.25	0.80	0.143	(0.161)	0.037	0.106
16	1.33	0.80	0.143	(0.161)	0.037	0.106
17	1.42	0.80	0.143	(0.161)	0.037	0.106
18	1.50	0.80	0.143	(0.161)	0.037	0.106
19	1.58	0.80	0.143	(0.161)	0.037	0.106
20	1.67	0.80	0.143	(0.161)	0.037	0.106
21	1.75	0.80	0.143	(0.161)	0.037	0.106
22	1.83	0.80	0.143	(0.161)	0.037	0.106
23	1.92	0.80	0.143	(0.161)	0.037	0.106
24	2.00	0.90	0.160	(0.161)	0.042	0.119
25	2.08	0.80	0.143	(0.161)	0.037	0.106
26	2.17	0.90	0.160	(0.161)	0.042	0.119
27	2.25	0.90	0.160	(0.161)	0.042	0.119
28	2.33	0.90	0.160	(0.161)	0.042	0.119
29	2.42	0.90	0.160	(0.161)	0.042	0.119
30	2.50	0.90	0.160	(0.161)	0.042	0.119
31	2.58	0.90	0.160	(0.161)	0.042	0.119
32	2.67	0.90	0.160	(0.161)	0.042	0.119
33	2.75	1.00	0.178	(0.161)	0.046	0.132
34	2.83	1.00	0.178	(0.161)	0.046	0.132
35	2.92	1.00	0.178	(0.161)	0.046	0.132
36	3.00	1.00	0.178	(0.161)	0.046	0.132
37	3.08	1.00	0.178	(0.161)	0.046	0.132
38	3.17	1.10	0.196	(0.161)	0.051	0.145
39	3.25	1.10	0.196	(0.161)	0.051	0.145
40	3.33	1.10	0.196	(0.161)	0.051	0.145
41	3.42	1.20	0.214	(0.161)	0.056	0.158
42	3.50	1.30	0.232	(0.161)	0.060	0.172
43	3.58	1.40	0.250	(0.161)	0.065	0.185
44	3.67	1.40	0.250	(0.161)	0.065	0.185
45	3.75	1.50	0.267	(0.161)	0.070	0.198
46	3.83	1.50	0.267	(0.161)	0.070	0.198

47	3.92	1.60	0.285	(0.161)	0.074	0.211
48	4.00	1.60	0.285	(0.161)	0.074	0.211
49	4.08	1.70	0.303	(0.161)	0.079	0.224
50	4.17	1.80	0.321	(0.161)	0.083	0.238
51	4.25	1.90	0.339	(0.161)	0.088	0.251
52	4.33	2.00	0.357	(0.161)	0.093	0.264
53	4.42	2.10	0.374	(0.161)	0.097	0.277
54	4.50	2.10	0.374	(0.161)	0.097	0.277
55	4.58	2.20	0.392	(0.161)	0.102	0.290
56	4.67	2.30	0.410	(0.161)	0.107	0.304
57	4.75	2.40	0.428	(0.161)	0.111	0.317
58	4.83	2.40	0.428	(0.161)	0.111	0.317
59	4.92	2.50	0.446	(0.161)	0.116	0.330
60	5.00	2.60	0.464	(0.161)	0.121	0.343
61	5.08	3.10	0.553	(0.161)	0.144	0.409
62	5.17	3.60	0.642	0.161 (0.167)		0.481
63	5.25	3.90	0.695	0.161 (0.181)		0.535
64	5.33	4.20	0.749	0.161 (0.195)		0.588
65	5.42	4.70	0.838	0.161 (0.218)		0.677
66	5.50	5.60	0.999	0.161 (0.260)		0.838
67	5.58	1.90	0.339	(0.161)	0.088	0.251
68	5.67	0.90	0.160	(0.161)	0.042	0.119
69	5.75	0.60	0.107	(0.161)	0.028	0.079
70	5.83	0.50	0.089	(0.161)	0.023	0.066
71	5.92	0.30	0.053	(0.161)	0.014	0.040
72	6.00	0.20	0.036	(0.161)	0.009	0.026

(Loss Rate Not Used)

Sum = 100.0

Sum = 13.4

Flood volume = Effective rainfall 1.12(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.37(In)
Total soil loss = 0.037(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 4828.1 Cubic Feet
Total soil loss = 1591.1 Cubic Feet

Peak flow rate of this hydrograph = 0.928(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0003	0.05	Q				
0+10	0.0009	0.09	Q				
0+15	0.0016	0.09	Q				

0+20	0.0022	0.10	Q				
0+25	0.0029	0.10	QV				
0+30	0.0036	0.10	QV				
0+35	0.0044	0.11	QV				
0+40	0.0051	0.11	QV				
0+45	0.0059	0.11	Q V				
0+50	0.0067	0.11	Q V				
0+55	0.0074	0.11	Q V				
1+ 0	0.0083	0.12	Q V				
1+ 5	0.0091	0.13	Q V				
1+10	0.0100	0.13	Q V				
1+15	0.0109	0.13	Q V				
1+20	0.0117	0.13	Q V				
1+25	0.0126	0.13	Q V				
1+30	0.0135	0.13	Q V				
1+35	0.0144	0.13	Q V				
1+40	0.0152	0.13	Q V				
1+45	0.0161	0.13	Q V				
1+50	0.0170	0.13	Q V				
1+55	0.0178	0.13	Q V				
2+ 0	0.0188	0.14	Q V				
2+ 5	0.0197	0.13	Q V				
2+10	0.0206	0.14	Q V				
2+15	0.0216	0.14	Q V				
2+20	0.0226	0.14	Q V				
2+25	0.0236	0.14	Q V				
2+30	0.0246	0.14	Q V				
2+35	0.0255	0.14	Q V				
2+40	0.0265	0.14	Q V				
2+45	0.0276	0.15	Q V				
2+50	0.0287	0.16	Q V				
2+55	0.0298	0.16	Q V				
3+ 0	0.0308	0.16	Q V				
3+ 5	0.0319	0.16	Q V				
3+10	0.0331	0.17	Q V				
3+15	0.0343	0.17	Q V				
3+20	0.0355	0.17	Q V				
3+25	0.0368	0.18	Q V				
3+30	0.0381	0.20	Q V				
3+35	0.0396	0.22	Q V				
3+40	0.0411	0.22	Q V				
3+45	0.0427	0.23	Q V				
3+50	0.0444	0.24	Q V				
3+55	0.0461	0.25	Q V				
4+ 0	0.0478	0.25	Q V				
4+ 5	0.0496	0.26	Q V				
4+10	0.0515	0.28	Q V				
4+15	0.0536	0.29	Q V				
4+20	0.0557	0.31	Q V				
4+25	0.0579	0.33	Q V				

4+30	0.0602	0.33	Q		V		
4+35	0.0626	0.34	Q		V		
4+40	0.0650	0.36	Q		V		
4+45	0.0676	0.37	Q		V		
4+50	0.0702	0.38	Q		V		
4+55	0.0729	0.39	Q		V		
5+ 0	0.0757	0.41	Q		V		
5+ 5	0.0789	0.46	Q		V		
5+10	0.0826	0.54	Q		V		
5+15	0.0868	0.61	Q		V		
5+20	0.0915	0.68	Q		V		
5+25	0.0968	0.77	Q		V		
5+30	0.1032	0.93	Q			V	
5+35	0.1071	0.56	Q			V	
5+40	0.1086	0.23	Q			V	
5+45	0.1095	0.12	Q			V	
5+50	0.1101	0.09	Q			V	
5+55	0.1105	0.06	Q			V	
6+ 0	0.1107	0.04	Q			V	
6+ 5	0.1108	0.01	Q			V	
6+10	0.1108	0.00	Q			V	

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.161)	0.044	0.125
2	0.17	1.30	0.169	(0.161)	0.044	0.125
3	0.25	1.10	0.143	(0.161)	0.037	0.106
4	0.33	1.50	0.195	(0.161)	0.051	0.144
5	0.42	1.50	0.195	(0.161)	0.051	0.144
6	0.50	1.80	0.234	(0.161)	0.061	0.173
7	0.58	1.50	0.195	(0.161)	0.051	0.144
8	0.67	1.80	0.234	(0.161)	0.061	0.173
9	0.75	1.80	0.234	(0.161)	0.061	0.173
10	0.83	1.50	0.195	(0.161)	0.051	0.144
11	0.92	1.60	0.208	(0.161)	0.054	0.154
12	1.00	1.80	0.234	(0.161)	0.061	0.173
13	1.08	2.20	0.286	(0.161)	0.074	0.212
14	1.17	2.20	0.286	(0.161)	0.074	0.212
15	1.25	2.20	0.286	(0.161)	0.074	0.212
16	1.33	2.00	0.260	(0.161)	0.068	0.193
17	1.42	2.60	0.338	(0.161)	0.088	0.250
18	1.50	2.70	0.351	(0.161)	0.091	0.260
19	1.58	2.40	0.312	(0.161)	0.081	0.231
20	1.67	2.70	0.351	(0.161)	0.091	0.260
21	1.75	3.30	0.430	(0.161)	0.112	0.318
22	1.83	3.10	0.404	(0.161)	0.105	0.299
23	1.92	2.90	0.377	(0.161)	0.098	0.279
24	2.00	3.00	0.390	(0.161)	0.102	0.289
25	2.08	3.10	0.404	(0.161)	0.105	0.299
26	2.17	4.20	0.547	(0.161)	0.142	0.405
27	2.25	5.00	0.651	0.161	(0.169)	0.490
28	2.33	3.50	0.456	(0.161)	0.118	0.337
29	2.42	6.80	0.885	0.161	(0.230)	0.724
30	2.50	7.30	0.950	0.161	(0.247)	0.789
31	2.58	8.20	1.067	0.161	(0.278)	0.907
32	2.67	5.90	0.768	0.161	(0.200)	0.607
33	2.75	2.00	0.260	(0.161)	0.068	0.193
34	2.83	1.80	0.234	(0.161)	0.061	0.173
35	2.92	1.80	0.234	(0.161)	0.061	0.173
36	3.00	0.60	0.078	(0.161)	0.020	0.058

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.0

Flood volume = Effective rainfall 0.83(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.26(In)

Total soil loss = 0.025(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 3582.6 Cubic Feet

Total soil loss = 1103.1 Cubic Feet

Peak flow rate of this hydrograph = 1.032(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0006		0.09	Q				
0+10	0.0016		0.14	Q				
0+15	0.0026		0.14	QV				
0+20	0.0037		0.16	QV				
0+25	0.0048		0.17	Q V				
0+30	0.0062		0.19	Q V				
0+35	0.0075		0.19	Q V				
0+40	0.0088		0.20	Q V				
0+45	0.0102		0.21	Q V				
0+50	0.0115		0.19	Q V				
0+55	0.0128		0.18	Q V				
1+ 0	0.0141		0.20	Q V				
1+ 5	0.0158		0.24	Q V				
1+10	0.0175		0.25	Q V				
1+15	0.0192		0.25	Q V				
1+20	0.0209		0.24	Q V				
1+25	0.0228		0.28	Q V				
1+30	0.0249		0.31	Q V				
1+35	0.0269		0.29	Q V				
1+40	0.0290		0.30	Q V				
1+45	0.0314		0.35	Q V				
1+50	0.0339		0.36	Q V				
1+55	0.0363		0.34	Q V				
2+ 0	0.0386		0.34	Q V				
2+ 5	0.0411		0.35	Q V				
2+10	0.0441		0.44	Q V				
2+15	0.0478		0.54	Q V				
2+20	0.0511		0.47	Q V				
2+25	0.0559		0.70	Q V				
2+30	0.0621		0.90	Q V				
2+35	0.0692		1.03	Q V				
2+40	0.0751		0.86	Q V				
2+45	0.0781		0.43	Q V				
2+50	0.0797		0.24	Q V				
2+55	0.0812		0.21	Q V				
3+ 0	0.0820		0.12	Q V				
3+ 5	0.0822		0.03	Q V				
3+10	0.0822		0.00	Q V				

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 5 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	62.118
2	0.167	720.100	34.028
3	0.250	1080.150	3.853
		Sum = 100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.161)	0.085	0.242
2	0.17	4.30	0.335	(0.161)	0.087	0.248
3	0.25	5.00	0.389	(0.161)	0.101	0.288
4	0.33	5.00	0.389	(0.161)	0.101	0.288
5	0.42	5.80	0.452	(0.161)	0.117	0.334
6	0.50	6.50	0.506	(0.161)	0.132	0.374
7	0.58	7.40	0.576	(0.161)	0.150	0.426
8	0.67	8.60	0.670	0.161	(0.174)	0.509
9	0.75	12.30	0.958	0.161	(0.249)	0.797
10	0.83	29.10	2.266	0.161	(0.589)	2.105
11	0.92	6.80	0.529	(0.161)	0.138	0.392
12	1.00	5.00	0.389	(0.161)	0.101	0.288

(Loss Rate Not Used)

Sum = 100.0 Sum = 6.3

Flood volume = Effective rainfall 0.52(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.12(In)
Total soil loss = 0.012(Ac.Ft)
Total rainfall = 0.65(In)
Flood volume = 2264.8 Cubic Feet
Total soil loss = 537.9 Cubic Feet

Peak flow rate of this hydrograph = 1.918(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0012	0.18	Q				
0+10	0.0032	0.28	QV				
0+15	0.0054	0.33	Q V				
0+20	0.0078	0.34	Q V				
0+25	0.0104	0.38	Q V				
0+30	0.0134	0.43	Q V				
0+35	0.0167	0.49	Q V				
0+40	0.0207	0.57	Q V				
0+45	0.0263	0.82	Q V				
0+50	0.0395	1.92	Q V				
0+55	0.0477	1.19	Q V				

1+ 0	0.0510	0.47	Q				V
1+ 5	0.0519	0.14	Q				V
1+10	0.0520	0.01	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda1242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.93	2.30

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	4.71	5.60

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	0.745
2	0.167	720.100	0.408
3	0.250	1080.150	0.046
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.285)	0.004	0.011
2	0.17	0.07	0.015	(0.284)	0.004	0.011
3	0.25	0.07	0.015	(0.283)	0.004	0.011
4	0.33	0.10	0.023	(0.282)	0.006	0.017
5	0.42	0.10	0.023	(0.280)	0.006	0.017
6	0.50	0.10	0.023	(0.279)	0.006	0.017
7	0.58	0.10	0.023	(0.278)	0.006	0.017
8	0.67	0.10	0.023	(0.277)	0.006	0.017
9	0.75	0.10	0.023	(0.276)	0.006	0.017
10	0.83	0.13	0.031	(0.275)	0.008	0.023
11	0.92	0.13	0.031	(0.274)	0.008	0.023
12	1.00	0.13	0.031	(0.273)	0.008	0.023
13	1.08	0.10	0.023	(0.272)	0.006	0.017
14	1.17	0.10	0.023	(0.271)	0.006	0.017
15	1.25	0.10	0.023	(0.270)	0.006	0.017
16	1.33	0.10	0.023	(0.269)	0.006	0.017
17	1.42	0.10	0.023	(0.268)	0.006	0.017
18	1.50	0.10	0.023	(0.266)	0.006	0.017
19	1.58	0.10	0.023	(0.265)	0.006	0.017
20	1.67	0.10	0.023	(0.264)	0.006	0.017
21	1.75	0.10	0.023	(0.263)	0.006	0.017
22	1.83	0.13	0.031	(0.262)	0.008	0.023
23	1.92	0.13	0.031	(0.261)	0.008	0.023
24	2.00	0.13	0.031	(0.260)	0.008	0.023
25	2.08	0.13	0.031	(0.259)	0.008	0.023
26	2.17	0.13	0.031	(0.258)	0.008	0.023
27	2.25	0.13	0.031	(0.257)	0.008	0.023
28	2.33	0.13	0.031	(0.256)	0.008	0.023
29	2.42	0.13	0.031	(0.255)	0.008	0.023
30	2.50	0.13	0.031	(0.254)	0.008	0.023
31	2.58	0.17	0.039	(0.253)	0.010	0.029
32	2.67	0.17	0.039	(0.252)	0.010	0.029
33	2.75	0.17	0.039	(0.251)	0.010	0.029
34	2.83	0.17	0.039	(0.250)	0.010	0.029
35	2.92	0.17	0.039	(0.249)	0.010	0.029
36	3.00	0.17	0.039	(0.248)	0.010	0.029
37	3.08	0.17	0.039	(0.247)	0.010	0.029
38	3.17	0.17	0.039	(0.246)	0.010	0.029
39	3.25	0.17	0.039	(0.245)	0.010	0.029
40	3.33	0.17	0.039	(0.244)	0.010	0.029
41	3.42	0.17	0.039	(0.243)	0.010	0.029
42	3.50	0.17	0.039	(0.241)	0.010	0.029
43	3.58	0.17	0.039	(0.240)	0.010	0.029
44	3.67	0.17	0.039	(0.239)	0.010	0.029
45	3.75	0.17	0.039	(0.238)	0.010	0.029
46	3.83	0.20	0.046	(0.237)	0.012	0.034

47	3.92	0.20	0.046	(0.236)	0.012	0.034
48	4.00	0.20	0.046	(0.235)	0.012	0.034
49	4.08	0.20	0.046	(0.234)	0.012	0.034
50	4.17	0.20	0.046	(0.233)	0.012	0.034
51	4.25	0.20	0.046	(0.232)	0.012	0.034
52	4.33	0.23	0.054	(0.231)	0.014	0.040
53	4.42	0.23	0.054	(0.230)	0.014	0.040
54	4.50	0.23	0.054	(0.229)	0.014	0.040
55	4.58	0.23	0.054	(0.229)	0.014	0.040
56	4.67	0.23	0.054	(0.228)	0.014	0.040
57	4.75	0.23	0.054	(0.227)	0.014	0.040
58	4.83	0.27	0.062	(0.226)	0.016	0.046
59	4.92	0.27	0.062	(0.225)	0.016	0.046
60	5.00	0.27	0.062	(0.224)	0.016	0.046
61	5.08	0.20	0.046	(0.223)	0.012	0.034
62	5.17	0.20	0.046	(0.222)	0.012	0.034
63	5.25	0.20	0.046	(0.221)	0.012	0.034
64	5.33	0.23	0.054	(0.220)	0.014	0.040
65	5.42	0.23	0.054	(0.219)	0.014	0.040
66	5.50	0.23	0.054	(0.218)	0.014	0.040
67	5.58	0.27	0.062	(0.217)	0.016	0.046
68	5.67	0.27	0.062	(0.216)	0.016	0.046
69	5.75	0.27	0.062	(0.215)	0.016	0.046
70	5.83	0.27	0.062	(0.214)	0.016	0.046
71	5.92	0.27	0.062	(0.213)	0.016	0.046
72	6.00	0.27	0.062	(0.212)	0.016	0.046
73	6.08	0.30	0.069	(0.211)	0.018	0.051
74	6.17	0.30	0.069	(0.210)	0.018	0.051
75	6.25	0.30	0.069	(0.209)	0.018	0.051
76	6.33	0.30	0.069	(0.208)	0.018	0.051
77	6.42	0.30	0.069	(0.207)	0.018	0.051
78	6.50	0.30	0.069	(0.207)	0.018	0.051
79	6.58	0.33	0.077	(0.206)	0.020	0.057
80	6.67	0.33	0.077	(0.205)	0.020	0.057
81	6.75	0.33	0.077	(0.204)	0.020	0.057
82	6.83	0.33	0.077	(0.203)	0.020	0.057
83	6.92	0.33	0.077	(0.202)	0.020	0.057
84	7.00	0.33	0.077	(0.201)	0.020	0.057
85	7.08	0.33	0.077	(0.200)	0.020	0.057
86	7.17	0.33	0.077	(0.199)	0.020	0.057
87	7.25	0.33	0.077	(0.198)	0.020	0.057
88	7.33	0.37	0.085	(0.197)	0.022	0.063
89	7.42	0.37	0.085	(0.196)	0.022	0.063
90	7.50	0.37	0.085	(0.196)	0.022	0.063
91	7.58	0.40	0.093	(0.195)	0.024	0.069
92	7.67	0.40	0.093	(0.194)	0.024	0.069
93	7.75	0.40	0.093	(0.193)	0.024	0.069
94	7.83	0.43	0.100	(0.192)	0.026	0.074
95	7.92	0.43	0.100	(0.191)	0.026	0.074
96	8.00	0.43	0.100	(0.190)	0.026	0.074

97	8.08	0.50	0.116	(0.189)	0.030	0.086
98	8.17	0.50	0.116	(0.188)	0.030	0.086
99	8.25	0.50	0.116	(0.188)	0.030	0.086
100	8.33	0.50	0.116	(0.187)	0.030	0.086
101	8.42	0.50	0.116	(0.186)	0.030	0.086
102	8.50	0.50	0.116	(0.185)	0.030	0.086
103	8.58	0.53	0.124	(0.184)	0.032	0.091
104	8.67	0.53	0.124	(0.183)	0.032	0.091
105	8.75	0.53	0.124	(0.182)	0.032	0.091
106	8.83	0.57	0.131	(0.181)	0.034	0.097
107	8.92	0.57	0.131	(0.181)	0.034	0.097
108	9.00	0.57	0.131	(0.180)	0.034	0.097
109	9.08	0.63	0.147	(0.179)	0.038	0.109
110	9.17	0.63	0.147	(0.178)	0.038	0.109
111	9.25	0.63	0.147	(0.177)	0.038	0.109
112	9.33	0.67	0.154	(0.176)	0.040	0.114
113	9.42	0.67	0.154	(0.176)	0.040	0.114
114	9.50	0.67	0.154	(0.175)	0.040	0.114
115	9.58	0.70	0.162	(0.174)	0.042	0.120
116	9.67	0.70	0.162	(0.173)	0.042	0.120
117	9.75	0.70	0.162	(0.172)	0.042	0.120
118	9.83	0.73	0.170	(0.171)	0.044	0.126
119	9.92	0.73	0.170	(0.171)	0.044	0.126
120	10.00	0.73	0.170	(0.170)	0.044	0.126
121	10.08	0.50	0.116	(0.169)	0.030	0.086
122	10.17	0.50	0.116	(0.168)	0.030	0.086
123	10.25	0.50	0.116	(0.167)	0.030	0.086
124	10.33	0.50	0.116	(0.166)	0.030	0.086
125	10.42	0.50	0.116	(0.166)	0.030	0.086
126	10.50	0.50	0.116	(0.165)	0.030	0.086
127	10.58	0.67	0.154	(0.164)	0.040	0.114
128	10.67	0.67	0.154	(0.163)	0.040	0.114
129	10.75	0.67	0.154	(0.162)	0.040	0.114
130	10.83	0.67	0.154	(0.162)	0.040	0.114
131	10.92	0.67	0.154	(0.161)	0.040	0.114
132	11.00	0.67	0.154	(0.160)	0.040	0.114
133	11.08	0.63	0.147	(0.159)	0.038	0.109
134	11.17	0.63	0.147	(0.158)	0.038	0.109
135	11.25	0.63	0.147	(0.158)	0.038	0.109
136	11.33	0.63	0.147	(0.157)	0.038	0.109
137	11.42	0.63	0.147	(0.156)	0.038	0.109
138	11.50	0.63	0.147	(0.155)	0.038	0.109
139	11.58	0.57	0.131	(0.155)	0.034	0.097
140	11.67	0.57	0.131	(0.154)	0.034	0.097
141	11.75	0.57	0.131	(0.153)	0.034	0.097
142	11.83	0.60	0.139	(0.152)	0.036	0.103
143	11.92	0.60	0.139	(0.152)	0.036	0.103
144	12.00	0.60	0.139	(0.151)	0.036	0.103
145	12.08	0.83	0.193	(0.150)	0.050	0.143
146	12.17	0.83	0.193	(0.149)	0.050	0.143

147	12.25	0.83	0.193	(0.149)	0.050	0.143
148	12.33	0.87	0.201	(0.148)	0.052	0.149
149	12.42	0.87	0.201	(0.147)	0.052	0.149
150	12.50	0.87	0.201	(0.146)	0.052	0.149
151	12.58	0.93	0.216	(0.146)	0.056	0.160
152	12.67	0.93	0.216	(0.145)	0.056	0.160
153	12.75	0.93	0.216	(0.144)	0.056	0.160
154	12.83	0.97	0.224	(0.143)	0.058	0.166
155	12.92	0.97	0.224	(0.143)	0.058	0.166
156	13.00	0.97	0.224	(0.142)	0.058	0.166
157	13.08	1.13	0.262	(0.141)	0.068	0.194
158	13.17	1.13	0.262	(0.140)	0.068	0.194
159	13.25	1.13	0.262	(0.140)	0.068	0.194
160	13.33	1.13	0.262	(0.139)	0.068	0.194
161	13.42	1.13	0.262	(0.138)	0.068	0.194
162	13.50	1.13	0.262	(0.138)	0.068	0.194
163	13.58	0.77	0.178	(0.137)	0.046	0.131
164	13.67	0.77	0.178	(0.136)	0.046	0.131
165	13.75	0.77	0.178	(0.136)	0.046	0.131
166	13.83	0.77	0.178	(0.135)	0.046	0.131
167	13.92	0.77	0.178	(0.134)	0.046	0.131
168	14.00	0.77	0.178	(0.133)	0.046	0.131
169	14.08	0.90	0.208	(0.133)	0.054	0.154
170	14.17	0.90	0.208	(0.132)	0.054	0.154
171	14.25	0.90	0.208	(0.131)	0.054	0.154
172	14.33	0.87	0.201	(0.131)	0.052	0.149
173	14.42	0.87	0.201	(0.130)	0.052	0.149
174	14.50	0.87	0.201	(0.129)	0.052	0.149
175	14.58	0.87	0.201	(0.129)	0.052	0.149
176	14.67	0.87	0.201	(0.128)	0.052	0.149
177	14.75	0.87	0.201	(0.127)	0.052	0.149
178	14.83	0.83	0.193	(0.127)	0.050	0.143
179	14.92	0.83	0.193	(0.126)	0.050	0.143
180	15.00	0.83	0.193	(0.126)	0.050	0.143
181	15.08	0.80	0.185	(0.125)	0.048	0.137
182	15.17	0.80	0.185	(0.124)	0.048	0.137
183	15.25	0.80	0.185	(0.124)	0.048	0.137
184	15.33	0.77	0.178	(0.123)	0.046	0.131
185	15.42	0.77	0.178	(0.122)	0.046	0.131
186	15.50	0.77	0.178	(0.122)	0.046	0.131
187	15.58	0.63	0.147	(0.121)	0.038	0.109
188	15.67	0.63	0.147	(0.120)	0.038	0.109
189	15.75	0.63	0.147	(0.120)	0.038	0.109
190	15.83	0.63	0.147	(0.119)	0.038	0.109
191	15.92	0.63	0.147	(0.119)	0.038	0.109
192	16.00	0.63	0.147	(0.118)	0.038	0.109
193	16.08	0.13	0.031	(0.117)	0.008	0.023
194	16.17	0.13	0.031	(0.117)	0.008	0.023
195	16.25	0.13	0.031	(0.116)	0.008	0.023
196	16.33	0.13	0.031	(0.116)	0.008	0.023

197	16.42	0.13	0.031	(0.115)	0.008	0.023
198	16.50	0.13	0.031	(0.114)	0.008	0.023
199	16.58	0.10	0.023	(0.114)	0.006	0.017
200	16.67	0.10	0.023	(0.113)	0.006	0.017
201	16.75	0.10	0.023	(0.113)	0.006	0.017
202	16.83	0.10	0.023	(0.112)	0.006	0.017
203	16.92	0.10	0.023	(0.112)	0.006	0.017
204	17.00	0.10	0.023	(0.111)	0.006	0.017
205	17.08	0.17	0.039	(0.110)	0.010	0.029
206	17.17	0.17	0.039	(0.110)	0.010	0.029
207	17.25	0.17	0.039	(0.109)	0.010	0.029
208	17.33	0.17	0.039	(0.109)	0.010	0.029
209	17.42	0.17	0.039	(0.108)	0.010	0.029
210	17.50	0.17	0.039	(0.108)	0.010	0.029
211	17.58	0.17	0.039	(0.107)	0.010	0.029
212	17.67	0.17	0.039	(0.107)	0.010	0.029
213	17.75	0.17	0.039	(0.106)	0.010	0.029
214	17.83	0.13	0.031	(0.106)	0.008	0.023
215	17.92	0.13	0.031	(0.105)	0.008	0.023
216	18.00	0.13	0.031	(0.105)	0.008	0.023
217	18.08	0.13	0.031	(0.104)	0.008	0.023
218	18.17	0.13	0.031	(0.104)	0.008	0.023
219	18.25	0.13	0.031	(0.103)	0.008	0.023
220	18.33	0.13	0.031	(0.102)	0.008	0.023
221	18.42	0.13	0.031	(0.102)	0.008	0.023
222	18.50	0.13	0.031	(0.102)	0.008	0.023
223	18.58	0.10	0.023	(0.101)	0.006	0.017
224	18.67	0.10	0.023	(0.101)	0.006	0.017
225	18.75	0.10	0.023	(0.100)	0.006	0.017
226	18.83	0.07	0.015	(0.100)	0.004	0.011
227	18.92	0.07	0.015	(0.099)	0.004	0.011
228	19.00	0.07	0.015	(0.099)	0.004	0.011
229	19.08	0.10	0.023	(0.098)	0.006	0.017
230	19.17	0.10	0.023	(0.098)	0.006	0.017
231	19.25	0.10	0.023	(0.097)	0.006	0.017
232	19.33	0.13	0.031	(0.097)	0.008	0.023
233	19.42	0.13	0.031	(0.096)	0.008	0.023
234	19.50	0.13	0.031	(0.096)	0.008	0.023
235	19.58	0.10	0.023	(0.095)	0.006	0.017
236	19.67	0.10	0.023	(0.095)	0.006	0.017
237	19.75	0.10	0.023	(0.095)	0.006	0.017
238	19.83	0.07	0.015	(0.094)	0.004	0.011
239	19.92	0.07	0.015	(0.094)	0.004	0.011
240	20.00	0.07	0.015	(0.093)	0.004	0.011
241	20.08	0.10	0.023	(0.093)	0.006	0.017
242	20.17	0.10	0.023	(0.093)	0.006	0.017
243	20.25	0.10	0.023	(0.092)	0.006	0.017
244	20.33	0.10	0.023	(0.092)	0.006	0.017
245	20.42	0.10	0.023	(0.091)	0.006	0.017
246	20.50	0.10	0.023	(0.091)	0.006	0.017

247	20.58	0.10	0.023	(0.091)	0.006	0.017
248	20.67	0.10	0.023	(0.090)	0.006	0.017
249	20.75	0.10	0.023	(0.090)	0.006	0.017
250	20.83	0.07	0.015	(0.089)	0.004	0.011
251	20.92	0.07	0.015	(0.089)	0.004	0.011
252	21.00	0.07	0.015	(0.089)	0.004	0.011
253	21.08	0.10	0.023	(0.088)	0.006	0.017
254	21.17	0.10	0.023	(0.088)	0.006	0.017
255	21.25	0.10	0.023	(0.088)	0.006	0.017
256	21.33	0.07	0.015	(0.087)	0.004	0.011
257	21.42	0.07	0.015	(0.087)	0.004	0.011
258	21.50	0.07	0.015	(0.087)	0.004	0.011
259	21.58	0.10	0.023	(0.086)	0.006	0.017
260	21.67	0.10	0.023	(0.086)	0.006	0.017
261	21.75	0.10	0.023	(0.086)	0.006	0.017
262	21.83	0.07	0.015	(0.085)	0.004	0.011
263	21.92	0.07	0.015	(0.085)	0.004	0.011
264	22.00	0.07	0.015	(0.085)	0.004	0.011
265	22.08	0.10	0.023	(0.085)	0.006	0.017
266	22.17	0.10	0.023	(0.084)	0.006	0.017
267	22.25	0.10	0.023	(0.084)	0.006	0.017
268	22.33	0.07	0.015	(0.084)	0.004	0.011
269	22.42	0.07	0.015	(0.084)	0.004	0.011
270	22.50	0.07	0.015	(0.083)	0.004	0.011
271	22.58	0.07	0.015	(0.083)	0.004	0.011
272	22.67	0.07	0.015	(0.083)	0.004	0.011
273	22.75	0.07	0.015	(0.083)	0.004	0.011
274	22.83	0.07	0.015	(0.082)	0.004	0.011
275	22.92	0.07	0.015	(0.082)	0.004	0.011
276	23.00	0.07	0.015	(0.082)	0.004	0.011
277	23.08	0.07	0.015	(0.082)	0.004	0.011
278	23.17	0.07	0.015	(0.082)	0.004	0.011
279	23.25	0.07	0.015	(0.081)	0.004	0.011
280	23.33	0.07	0.015	(0.081)	0.004	0.011
281	23.42	0.07	0.015	(0.081)	0.004	0.011
282	23.50	0.07	0.015	(0.081)	0.004	0.011
283	23.58	0.07	0.015	(0.081)	0.004	0.011
284	23.67	0.07	0.015	(0.081)	0.004	0.011
285	23.75	0.07	0.015	(0.081)	0.004	0.011
286	23.83	0.07	0.015	(0.080)	0.004	0.011
287	23.92	0.07	0.015	(0.080)	0.004	0.011
288	24.00	0.07	0.015	(0.080)	0.004	0.011

(Loss Rate Not Used)

Sum = 100.0

Sum = 17.1

Flood volume = Effective rainfall 1.43(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.50(In)

Total soil loss = 0.050(Ac.Ft)

Total rainfall = 1.93(In)

Flood volume = 6169.4 Cubic Feet

Total soil loss = 2167.6 Cubic Feet

Peak flow rate of this hydrograph = 0.233(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0001	0.01	Q				
0+15	0.0002	0.01	Q				
0+20	0.0004	0.02	Q				
0+25	0.0005	0.02	Q				
0+30	0.0006	0.02	Q				
0+35	0.0008	0.02	Q				
0+40	0.0009	0.02	Q				
0+45	0.0011	0.02	Q				
0+50	0.0012	0.02	Q				
0+55	0.0014	0.03	Q				
1+ 0	0.0016	0.03	Q				
1+ 5	0.0018	0.02	Q				
1+10	0.0019	0.02	Q				
1+15	0.0021	0.02	Q				
1+20	0.0022	0.02	Q				
1+25	0.0023	0.02	Q				
1+30	0.0025	0.02	Q				
1+35	0.0026	0.02	Q				
1+40	0.0028	0.02	Q				
1+45	0.0029	0.02	Q				
1+50	0.0031	0.02	Q				
1+55	0.0033	0.03	Q				
2+ 0	0.0035	0.03	Q				
2+ 5	0.0037	0.03	QV				
2+10	0.0038	0.03	QV				
2+15	0.0040	0.03	QV				
2+20	0.0042	0.03	QV				
2+25	0.0044	0.03	QV				
2+30	0.0046	0.03	QV				
2+35	0.0048	0.03	QV				
2+40	0.0050	0.03	QV				
2+45	0.0053	0.03	QV				
2+50	0.0055	0.03	QV				
2+55	0.0058	0.03	QV				
3+ 0	0.0060	0.03	QV				
3+ 5	0.0062	0.03	QV				

3+10	0.0065	0.03	QV				
3+15	0.0067	0.03	QV				
3+20	0.0069	0.03	QV				
3+25	0.0072	0.03	Q V				
3+30	0.0074	0.03	Q V				
3+35	0.0076	0.03	Q V				
3+40	0.0079	0.03	Q V				
3+45	0.0081	0.03	Q V				
3+50	0.0084	0.04	Q V				
3+55	0.0087	0.04	Q V				
4+ 0	0.0089	0.04	Q V				
4+ 5	0.0092	0.04	Q V				
4+10	0.0095	0.04	Q V				
4+15	0.0098	0.04	Q V				
4+20	0.0101	0.05	Q V				
4+25	0.0104	0.05	Q V				
4+30	0.0108	0.05	Q V				
4+35	0.0111	0.05	Q V				
4+40	0.0114	0.05	Q V				
4+45	0.0118	0.05	Q V				
4+50	0.0121	0.05	Q V				
4+55	0.0125	0.05	Q V				
5+ 0	0.0129	0.05	Q V				
5+ 5	0.0132	0.05	Q V				
5+10	0.0135	0.04	Q V				
5+15	0.0138	0.04	Q V				
5+20	0.0141	0.05	Q V				
5+25	0.0144	0.05	Q V				
5+30	0.0147	0.05	Q V				
5+35	0.0151	0.05	Q V				
5+40	0.0155	0.05	Q V				
5+45	0.0158	0.05	Q V				
5+50	0.0162	0.05	Q V				
5+55	0.0166	0.05	Q V				
6+ 0	0.0170	0.05	Q V				
6+ 5	0.0174	0.06	Q V				
6+10	0.0178	0.06	Q V				
6+15	0.0182	0.06	Q V				
6+20	0.0187	0.06	Q V				
6+25	0.0191	0.06	Q V				
6+30	0.0195	0.06	Q V				
6+35	0.0200	0.07	Q V				
6+40	0.0204	0.07	Q V				
6+45	0.0209	0.07	Q V				
6+50	0.0214	0.07	Q V				
6+55	0.0218	0.07	Q V				
7+ 0	0.0223	0.07	Q V				
7+ 5	0.0228	0.07	Q V				
7+10	0.0233	0.07	Q V				
7+15	0.0237	0.07	Q V				

7+20	0.0242	0.07	Q	V				
7+25	0.0248	0.08	Q	V				
7+30	0.0253	0.08	Q	V				
7+35	0.0258	0.08	Q	V				
7+40	0.0264	0.08	Q	V				
7+45	0.0270	0.08	Q	V				
7+50	0.0276	0.09	Q	V				
7+55	0.0282	0.09	Q	V				
8+ 0	0.0288	0.09	Q	V				
8+ 5	0.0295	0.10	Q	V				
8+10	0.0302	0.10	Q	V				
8+15	0.0309	0.10	Q	V				
8+20	0.0316	0.10	Q	V				
8+25	0.0323	0.10	Q	V				
8+30	0.0330	0.10	Q	V				
8+35	0.0337	0.11	Q	V				
8+40	0.0345	0.11	Q	V				
8+45	0.0352	0.11	Q	V				
8+50	0.0360	0.11	Q	V				
8+55	0.0368	0.12	Q	V				
9+ 0	0.0376	0.12	Q	V				
9+ 5	0.0385	0.13	Q	V				
9+10	0.0394	0.13	Q	V				
9+15	0.0403	0.13	Q	V				
9+20	0.0412	0.13	Q	V				
9+25	0.0421	0.14	Q	V				
9+30	0.0431	0.14	Q	V				
9+35	0.0441	0.14	Q	V				
9+40	0.0450	0.14	Q	V				
9+45	0.0460	0.14	Q	V				
9+50	0.0471	0.15	Q	V				
9+55	0.0481	0.15	Q	V				
10+ 0	0.0491	0.15	Q	V				
10+ 5	0.0500	0.12	Q	V				
10+10	0.0507	0.10	Q	V				
10+15	0.0514	0.10	Q	V				
10+20	0.0521	0.10	Q	V				
10+25	0.0528	0.10	Q	V				
10+30	0.0535	0.10	Q	V				
10+35	0.0544	0.12	Q	V				
10+40	0.0553	0.14	Q	V				
10+45	0.0563	0.14	Q	V				
10+50	0.0572	0.14	Q	V				
10+55	0.0581	0.14	Q	V				
11+ 0	0.0591	0.14	Q	V				
11+ 5	0.0600	0.13	Q	V				
11+10	0.0609	0.13	Q	V				
11+15	0.0618	0.13	Q	V				
11+20	0.0627	0.13	Q	V				
11+25	0.0636	0.13	Q	V				

11+30	0.0645	0.13	Q	V			
11+35	0.0653	0.12	Q	V			
11+40	0.0661	0.12	Q	V			
11+45	0.0669	0.12	Q	V			
11+50	0.0678	0.12	Q	V			
11+55	0.0686	0.12	Q	V			
12+ 0	0.0695	0.12	Q	V			
12+ 5	0.0705	0.15	Q	V			
12+10	0.0717	0.17	Q	V			
12+15	0.0729	0.17	Q	V			
12+20	0.0741	0.18	Q	V			
12+25	0.0753	0.18	Q	V			
12+30	0.0765	0.18	Q	V			
12+35	0.0778	0.19	Q	V			
12+40	0.0791	0.19	Q	V			
12+45	0.0805	0.19	Q	V			
12+50	0.0818	0.20	Q	V			
12+55	0.0832	0.20	Q	V			
13+ 0	0.0845	0.20	Q	V			
13+ 5	0.0861	0.22	Q	V			
13+10	0.0877	0.23	Q	V			
13+15	0.0893	0.23	Q	V			
13+20	0.0909	0.23	Q	V			
13+25	0.0925	0.23	Q	V			
13+30	0.0941	0.23	Q	V			
13+35	0.0954	0.19	Q	V			
13+40	0.0965	0.16	Q	V			
13+45	0.0976	0.16	Q	V			
13+50	0.0986	0.16	Q	V			
13+55	0.0997	0.16	Q	V			
14+ 0	0.1008	0.16	Q	V			
14+ 5	0.1020	0.17	Q	V			
14+10	0.1033	0.18	Q	V			
14+15	0.1046	0.19	Q	V			
14+20	0.1058	0.18	Q	V			
14+25	0.1070	0.18	Q	V			
14+30	0.1083	0.18	Q	V			
14+35	0.1095	0.18	Q	V			
14+40	0.1107	0.18	Q	V			
14+45	0.1119	0.18	Q	V			
14+50	0.1131	0.17	Q	V			
14+55	0.1143	0.17	Q	V			
15+ 0	0.1155	0.17	Q	V			
15+ 5	0.1167	0.17	Q	V			
15+10	0.1178	0.16	Q	V			
15+15	0.1189	0.16	Q	V			
15+20	0.1200	0.16	Q	V			
15+25	0.1211	0.16	Q	V			
15+30	0.1222	0.16	Q	V			
15+35	0.1232	0.14	Q	V			

15+40	0.1241	0.13	Q				V
15+45	0.1250	0.13	Q				V
15+50	0.1259	0.13	Q				V
15+55	0.1268	0.13	Q				V
16+ 0	0.1277	0.13	Q				V
16+ 5	0.1281	0.07	Q				V
16+10	0.1283	0.03	Q				V
16+15	0.1285	0.03	Q				V
16+20	0.1287	0.03	Q				V
16+25	0.1289	0.03	Q				V
16+30	0.1291	0.03	Q				V
16+35	0.1292	0.02	Q				V
16+40	0.1294	0.02	Q				V
16+45	0.1295	0.02	Q				V
16+50	0.1297	0.02	Q				V
16+55	0.1298	0.02	Q				V
17+ 0	0.1300	0.02	Q				V
17+ 5	0.1302	0.03	Q				V
17+10	0.1304	0.03	Q				V
17+15	0.1306	0.03	Q				V
17+20	0.1309	0.03	Q				V
17+25	0.1311	0.03	Q				V
17+30	0.1313	0.03	Q				V
17+35	0.1316	0.03	Q				V
17+40	0.1318	0.03	Q				V
17+45	0.1320	0.03	Q				V
17+50	0.1322	0.03	Q				V
17+55	0.1324	0.03	Q				V
18+ 0	0.1326	0.03	Q				V
18+ 5	0.1328	0.03	Q				V
18+10	0.1330	0.03	Q				V
18+15	0.1332	0.03	Q				V
18+20	0.1334	0.03	Q				V
18+25	0.1336	0.03	Q				V
18+30	0.1338	0.03	Q				V
18+35	0.1339	0.02	Q				V
18+40	0.1341	0.02	Q				V
18+45	0.1342	0.02	Q				V
18+50	0.1343	0.02	Q				V
18+55	0.1344	0.01	Q				V
19+ 0	0.1345	0.01	Q				V
19+ 5	0.1346	0.02	Q				V
19+10	0.1348	0.02	Q				V
19+15	0.1349	0.02	Q				V
19+20	0.1351	0.02	Q				V
19+25	0.1353	0.03	Q				V
19+30	0.1355	0.03	Q				V
19+35	0.1356	0.02	Q				V
19+40	0.1358	0.02	Q				V
19+45	0.1359	0.02	Q				V

19+50	0.1360	0.02	Q				V
19+55	0.1361	0.01	Q				V
20+ 0	0.1362	0.01	Q				V
20+ 5	0.1363	0.02	Q				V
20+10	0.1365	0.02	Q				V
20+15	0.1366	0.02	Q				V
20+20	0.1368	0.02	Q				V
20+25	0.1369	0.02	Q				V
20+30	0.1370	0.02	Q				V
20+35	0.1372	0.02	Q				V
20+40	0.1373	0.02	Q				V
20+45	0.1375	0.02	Q				V
20+50	0.1376	0.02	Q				V
20+55	0.1377	0.01	Q				V
21+ 0	0.1378	0.01	Q				V
21+ 5	0.1379	0.02	Q				V
21+10	0.1380	0.02	Q				V
21+15	0.1382	0.02	Q				V
21+20	0.1383	0.02	Q				V
21+25	0.1384	0.01	Q				V
21+30	0.1385	0.01	Q				V
21+35	0.1386	0.02	Q				V
21+40	0.1387	0.02	Q				V
21+45	0.1389	0.02	Q				V
21+50	0.1390	0.02	Q				V
21+55	0.1391	0.01	Q				V
22+ 0	0.1392	0.01	Q				V
22+ 5	0.1393	0.02	Q				V
22+10	0.1394	0.02	Q				V
22+15	0.1396	0.02	Q				V
22+20	0.1397	0.02	Q				V
22+25	0.1398	0.01	Q				V
22+30	0.1399	0.01	Q				V
22+35	0.1400	0.01	Q				V
22+40	0.1401	0.01	Q				V
22+45	0.1402	0.01	Q				V
22+50	0.1403	0.01	Q				V
22+55	0.1404	0.01	Q				V
23+ 0	0.1405	0.01	Q				V
23+ 5	0.1406	0.01	Q				V
23+10	0.1406	0.01	Q				V
23+15	0.1407	0.01	Q				V
23+20	0.1408	0.01	Q				V
23+25	0.1409	0.01	Q				V
23+30	0.1410	0.01	Q				V
23+35	0.1411	0.01	Q				V
23+40	0.1412	0.01	Q				V
23+45	0.1413	0.01	Q				V
23+50	0.1414	0.01	Q				V
23+55	0.1415	0.01	Q				V

24+ 0	0.1416	0.01	Q				V
24+ 5	0.1416	0.01	Q				V
24+10	0.1416	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda162.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.13	1.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	2.65	3.15

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	0.745
2	0.167	720.100	0.408
3	0.250	1080.150	0.046
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.161)	0.018	0.050
2	0.17	0.60	0.081	(0.161)	0.021	0.060
3	0.25	0.60	0.081	(0.161)	0.021	0.060
4	0.33	0.60	0.081	(0.161)	0.021	0.060
5	0.42	0.60	0.081	(0.161)	0.021	0.060
6	0.50	0.70	0.095	(0.161)	0.025	0.070
7	0.58	0.70	0.095	(0.161)	0.025	0.070
8	0.67	0.70	0.095	(0.161)	0.025	0.070
9	0.75	0.70	0.095	(0.161)	0.025	0.070
10	0.83	0.70	0.095	(0.161)	0.025	0.070
11	0.92	0.70	0.095	(0.161)	0.025	0.070
12	1.00	0.80	0.108	(0.161)	0.028	0.080
13	1.08	0.80	0.108	(0.161)	0.028	0.080
14	1.17	0.80	0.108	(0.161)	0.028	0.080
15	1.25	0.80	0.108	(0.161)	0.028	0.080
16	1.33	0.80	0.108	(0.161)	0.028	0.080
17	1.42	0.80	0.108	(0.161)	0.028	0.080
18	1.50	0.80	0.108	(0.161)	0.028	0.080
19	1.58	0.80	0.108	(0.161)	0.028	0.080
20	1.67	0.80	0.108	(0.161)	0.028	0.080
21	1.75	0.80	0.108	(0.161)	0.028	0.080
22	1.83	0.80	0.108	(0.161)	0.028	0.080
23	1.92	0.80	0.108	(0.161)	0.028	0.080
24	2.00	0.90	0.122	(0.161)	0.032	0.090
25	2.08	0.80	0.108	(0.161)	0.028	0.080
26	2.17	0.90	0.122	(0.161)	0.032	0.090
27	2.25	0.90	0.122	(0.161)	0.032	0.090
28	2.33	0.90	0.122	(0.161)	0.032	0.090
29	2.42	0.90	0.122	(0.161)	0.032	0.090
30	2.50	0.90	0.122	(0.161)	0.032	0.090
31	2.58	0.90	0.122	(0.161)	0.032	0.090
32	2.67	0.90	0.122	(0.161)	0.032	0.090
33	2.75	1.00	0.136	(0.161)	0.035	0.100
34	2.83	1.00	0.136	(0.161)	0.035	0.100
35	2.92	1.00	0.136	(0.161)	0.035	0.100
36	3.00	1.00	0.136	(0.161)	0.035	0.100
37	3.08	1.00	0.136	(0.161)	0.035	0.100
38	3.17	1.10	0.149	(0.161)	0.039	0.110
39	3.25	1.10	0.149	(0.161)	0.039	0.110
40	3.33	1.10	0.149	(0.161)	0.039	0.110
41	3.42	1.20	0.163	(0.161)	0.042	0.120
42	3.50	1.30	0.176	(0.161)	0.046	0.130
43	3.58	1.40	0.190	(0.161)	0.049	0.140
44	3.67	1.40	0.190	(0.161)	0.049	0.140
45	3.75	1.50	0.203	(0.161)	0.053	0.151
46	3.83	1.50	0.203	(0.161)	0.053	0.151

47	3.92	1.60	0.217	(0.161)	0.056	0.161
48	4.00	1.60	0.217	(0.161)	0.056	0.161
49	4.08	1.70	0.231	(0.161)	0.060	0.171
50	4.17	1.80	0.244	(0.161)	0.063	0.181
51	4.25	1.90	0.258	(0.161)	0.067	0.191
52	4.33	2.00	0.271	(0.161)	0.071	0.201
53	4.42	2.10	0.285	(0.161)	0.074	0.211
54	4.50	2.10	0.285	(0.161)	0.074	0.211
55	4.58	2.20	0.298	(0.161)	0.078	0.221
56	4.67	2.30	0.312	(0.161)	0.081	0.231
57	4.75	2.40	0.325	(0.161)	0.085	0.241
58	4.83	2.40	0.325	(0.161)	0.085	0.241
59	4.92	2.50	0.339	(0.161)	0.088	0.251
60	5.00	2.60	0.353	(0.161)	0.092	0.261
61	5.08	3.10	0.420	(0.161)	0.109	0.311
62	5.17	3.60	0.488	(0.161)	0.127	0.361
63	5.25	3.90	0.529	(0.161)	0.137	0.391
64	5.33	4.20	0.570	(0.161)	0.148	0.421
65	5.42	4.70	0.637	0.161	(0.166)	0.477
66	5.50	5.60	0.759	0.161	(0.197)	0.599
67	5.58	1.90	0.258	(0.161)	0.067	0.191
68	5.67	0.90	0.122	(0.161)	0.032	0.090
69	5.75	0.60	0.081	(0.161)	0.021	0.060
70	5.83	0.50	0.068	(0.161)	0.018	0.050
71	5.92	0.30	0.041	(0.161)	0.011	0.030
72	6.00	0.20	0.027	(0.161)	0.007	0.020

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.1

Flood volume = Effective rainfall 0.84(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.029(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 3627.1 Cubic Feet
Total soil loss = 1254.1 Cubic Feet

Peak flow rate of this hydrograph = 0.660(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0003	0.04	Q				
0+10	0.0007	0.07	Q				
0+15	0.0012	0.07	Q				

0+20	0.0017	0.07	Q				
0+25	0.0022	0.07	QV				
0+30	0.0027	0.08	QV				
0+35	0.0033	0.08	QV				
0+40	0.0039	0.08	QV				
0+45	0.0045	0.08	Q V				
0+50	0.0051	0.08	Q V				
0+55	0.0056	0.08	Q V				
1+ 0	0.0063	0.09	Q V				
1+ 5	0.0069	0.10	Q V				
1+10	0.0076	0.10	Q V				
1+15	0.0083	0.10	Q V				
1+20	0.0089	0.10	Q V				
1+25	0.0096	0.10	Q V				
1+30	0.0103	0.10	Q V				
1+35	0.0109	0.10	Q V				
1+40	0.0116	0.10	Q V				
1+45	0.0122	0.10	Q V				
1+50	0.0129	0.10	Q V				
1+55	0.0136	0.10	Q V				
2+ 0	0.0143	0.10	Q V				
2+ 5	0.0150	0.10	Q V				
2+10	0.0157	0.10	Q V				
2+15	0.0164	0.11	Q V				
2+20	0.0172	0.11	Q V				
2+25	0.0179	0.11	Q V				
2+30	0.0187	0.11	Q V				
2+35	0.0194	0.11	Q V				
2+40	0.0202	0.11	Q V				
2+45	0.0210	0.12	Q V				
2+50	0.0218	0.12	Q V				
2+55	0.0226	0.12	Q V				
3+ 0	0.0235	0.12	Q V				
3+ 5	0.0243	0.12	Q V				
3+10	0.0252	0.13	Q V				
3+15	0.0261	0.13	Q V				
3+20	0.0270	0.13	Q V				
3+25	0.0279	0.14	Q V				
3+30	0.0290	0.15	Q V				
3+35	0.0301	0.16	Q V				
3+40	0.0313	0.17	Q V				
3+45	0.0325	0.18	Q V				
3+50	0.0337	0.18	Q V				
3+55	0.0350	0.19	Q V				
4+ 0	0.0363	0.19	Q V				
4+ 5	0.0377	0.20	Q V				
4+10	0.0392	0.21	Q V				
4+15	0.0407	0.22	Q V				
4+20	0.0423	0.24	Q V				
4+25	0.0441	0.25	Q V				

4+30	0.0458	0.25	Q			V			
4+35	0.0476	0.26	Q			V			
4+40	0.0495	0.27	Q			V			
4+45	0.0514	0.28	Q			V			
4+50	0.0534	0.29	Q			V			
4+55	0.0554	0.30	Q			V			
5+ 0	0.0576	0.31	Q			V			
5+ 5	0.0600	0.35	Q			V			
5+10	0.0628	0.41	Q			V			
5+15	0.0659	0.45	Q			V			
5+20	0.0693	0.49	Q			V		V	
5+25	0.0730	0.55	Q			V		V	
5+30	0.0776	0.66	Q			V		V	
5+35	0.0804	0.41	Q			V		V	
5+40	0.0816	0.17	Q			V		V	
5+45	0.0822	0.09	Q			V		V	
5+50	0.0827	0.07	Q			V		V	
5+55	0.0830	0.05	Q			V		V	
6+ 0	0.0832	0.03	Q			V		V	
6+ 5	0.0833	0.01	Q			V		V	
6+10	0.0833	0.00	Q			V		V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda132.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.82	0.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.96	2.33

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	360.050	62.118	0.745
2 0.167	720.100	34.028	0.408
3 0.250	1080.150	3.853	0.046
Sum = 100.000		Sum=	1.199

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.161)	0.033	0.094
2	0.17	1.30	0.127	(0.161)	0.033	0.094
3	0.25	1.10	0.108	(0.161)	0.028	0.080
4	0.33	1.50	0.147	(0.161)	0.038	0.109
5	0.42	1.50	0.147	(0.161)	0.038	0.109
6	0.50	1.80	0.176	(0.161)	0.046	0.131
7	0.58	1.50	0.147	(0.161)	0.038	0.109
8	0.67	1.80	0.176	(0.161)	0.046	0.131
9	0.75	1.80	0.176	(0.161)	0.046	0.131
10	0.83	1.50	0.147	(0.161)	0.038	0.109
11	0.92	1.60	0.157	(0.161)	0.041	0.116
12	1.00	1.80	0.176	(0.161)	0.046	0.131
13	1.08	2.20	0.216	(0.161)	0.056	0.160
14	1.17	2.20	0.216	(0.161)	0.056	0.160
15	1.25	2.20	0.216	(0.161)	0.056	0.160
16	1.33	2.00	0.196	(0.161)	0.051	0.145
17	1.42	2.60	0.255	(0.161)	0.066	0.189
18	1.50	2.70	0.265	(0.161)	0.069	0.196
19	1.58	2.40	0.235	(0.161)	0.061	0.174
20	1.67	2.70	0.265	(0.161)	0.069	0.196
21	1.75	3.30	0.324	(0.161)	0.084	0.239
22	1.83	3.10	0.304	(0.161)	0.079	0.225
23	1.92	2.90	0.284	(0.161)	0.074	0.210
24	2.00	3.00	0.294	(0.161)	0.076	0.218
25	2.08	3.10	0.304	(0.161)	0.079	0.225
26	2.17	4.20	0.412	(0.161)	0.107	0.305
27	2.25	5.00	0.490	(0.161)	0.127	0.363
28	2.33	3.50	0.343	(0.161)	0.089	0.254
29	2.42	6.80	0.667	0.161	(0.173)	0.506
30	2.50	7.30	0.716	0.161	(0.186)	0.555
31	2.58	8.20	0.804	0.161	(0.209)	0.643
32	2.67	5.90	0.578	(0.161)	0.150	0.428
33	2.75	2.00	0.196	(0.161)	0.051	0.145
34	2.83	1.80	0.176	(0.161)	0.046	0.131
35	2.92	1.80	0.176	(0.161)	0.046	0.131
36	3.00	0.60	0.059	(0.161)	0.015	0.044

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.3

Flood volume = Effective rainfall 0.61(In)

times area 1.2(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.21(In)

Total soil loss = 0.020(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 2642.7 Cubic Feet

Total soil loss = 886.5 Cubic Feet

Peak flow rate of this hydrograph = 0.729(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005		0.07	Q				
0+10	0.0012		0.11	Q				
0+15	0.0019		0.10	QV				
0+20	0.0028		0.12	QV				
0+25	0.0036		0.13	Q V				
0+30	0.0047		0.15	Q V				
0+35	0.0056		0.14	Q V				
0+40	0.0066		0.15	Q V				
0+45	0.0077		0.16	Q V				
0+50	0.0087		0.14	Q V				
0+55	0.0096		0.14	Q V				
1+ 0	0.0106		0.15	Q V				
1+ 5	0.0119		0.18	Q V				
1+10	0.0132		0.19	Q V				
1+15	0.0145		0.19	Q V				
1+20	0.0157		0.18	Q V				
1+25	0.0172		0.21	Q V				
1+30	0.0188		0.23	Q V				
1+35	0.0203		0.22	Q V				
1+40	0.0218		0.23	Q V				
1+45	0.0236		0.27	Q V				
1+50	0.0255		0.27	Q V				
1+55	0.0273		0.26	Q V				
2+ 0	0.0291		0.26	Q V				
2+ 5	0.0309		0.27	Q V				
2+10	0.0332		0.33	Q V				
2+15	0.0360		0.41	Q V				
2+20	0.0384		0.35	Q V				
2+25	0.0418		0.50	Q V				
2+30	0.0462		0.63	Q V				
2+35	0.0512		0.73	Q V				
2+40	0.0554		0.61	Q V				
2+45	0.0576		0.31	Q V				
2+50	0.0588		0.18	Q V				
2+55	0.0599		0.16	Q V				
3+ 0	0.0605		0.09	Q V				
3+ 5	0.0607		0.02	Q V				
3+10	0.0607		0.00	Q V				

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-1 2 yr

Drainage Area = 1.19(Ac.) = 0.002 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 1.19(Ac.) =
0.002 Sq. Mi.
Length along longest watercourse = 490.95(Ft.)
Length along longest watercourse measured to centroid = 221.00(Ft.)
Length along longest watercourse = 0.093 Mi.
Length along longest watercourse measured to centroid = 0.042 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 28.3923 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.023 Hr.
Lag time = 1.39 Min.
25% of lag time = 0.35 Min.
40% of lag time = 0.56 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	0.47	0.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
1.19	1.24	1.48

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
1.190	69.00	0.800

Total Area Entered = 1.19(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	360.050	62.118
2	0.167	720.100	34.028
3	0.250	1080.150	3.853
Sum =		100.000	Sum= 1.199

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.161)	0.061	0.175
2	0.17	4.30	0.241	(0.161)	0.063	0.179
3	0.25	5.00	0.281	(0.161)	0.073	0.208
4	0.33	5.00	0.281	(0.161)	0.073	0.208
5	0.42	5.80	0.326	(0.161)	0.085	0.241
6	0.50	6.50	0.365	(0.161)	0.095	0.270
7	0.58	7.40	0.416	(0.161)	0.108	0.308
8	0.67	8.60	0.483	(0.161)	0.126	0.357
9	0.75	12.30	0.691	0.161	(0.180)	0.530
10	0.83	29.10	1.634	0.161	(0.425)	1.474
11	0.92	6.80	0.382	(0.161)	0.099	0.283
12	1.00	5.00	0.281	(0.161)	0.073	0.208

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.4

Flood volume = Effective rainfall 0.37(In)
times area 1.2(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.010(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 1597.9 Cubic Feet
Total soil loss = 423.7 Cubic Feet

Peak flow rate of this hydrograph = 1.331(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0009	0.13	Q				
0+10	0.0023	0.20	Q V				
0+15	0.0039	0.24	Q V				
0+20	0.0056	0.25	Q V				
0+25	0.0075	0.27	Q V				
0+30	0.0097	0.31	Q V				
0+35	0.0121	0.35	Q V				
0+40	0.0149	0.40	Q V				
0+45	0.0187	0.56	Q V				
0+50	0.0278	1.33	Q V				
0+55	0.0336	0.84	Q V				

1+ 0	0.0359	0.34	Q				V
1+ 5	0.0366	0.10	Q				V
1+10	0.0367	0.01	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda224100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 100 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.93	4.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	4.71	10.60

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000
Total Area Entered = 2.25(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.129)	0.034	0.004
2	0.17	0.07	0.038	(0.129)	0.034	0.004
3	0.25	0.07	0.038	(0.128)	0.034	0.004
4	0.33	0.10	0.057	(0.128)	0.051	0.006
5	0.42	0.10	0.057	(0.127)	0.051	0.006
6	0.50	0.10	0.057	(0.127)	0.051	0.006
7	0.58	0.10	0.057	(0.126)	0.051	0.006
8	0.67	0.10	0.057	(0.126)	0.051	0.006
9	0.75	0.10	0.057	(0.125)	0.051	0.006
10	0.83	0.13	0.075	(0.125)	0.068	0.008
11	0.92	0.13	0.075	(0.124)	0.068	0.008
12	1.00	0.13	0.075	(0.124)	0.068	0.008
13	1.08	0.10	0.057	(0.123)	0.051	0.006
14	1.17	0.10	0.057	(0.123)	0.051	0.006
15	1.25	0.10	0.057	(0.122)	0.051	0.006
16	1.33	0.10	0.057	(0.122)	0.051	0.006
17	1.42	0.10	0.057	(0.121)	0.051	0.006
18	1.50	0.10	0.057	(0.121)	0.051	0.006
19	1.58	0.10	0.057	(0.120)	0.051	0.006
20	1.67	0.10	0.057	(0.120)	0.051	0.006
21	1.75	0.10	0.057	(0.119)	0.051	0.006
22	1.83	0.13	0.075	(0.119)	0.068	0.008
23	1.92	0.13	0.075	(0.118)	0.068	0.008
24	2.00	0.13	0.075	(0.118)	0.068	0.008
25	2.08	0.13	0.075	(0.117)	0.068	0.008
26	2.17	0.13	0.075	(0.117)	0.068	0.008
27	2.25	0.13	0.075	(0.116)	0.068	0.008
28	2.33	0.13	0.075	(0.116)	0.068	0.008
29	2.42	0.13	0.075	(0.115)	0.068	0.008
30	2.50	0.13	0.075	(0.115)	0.068	0.008
31	2.58	0.17	0.094	(0.115)	0.085	0.009
32	2.67	0.17	0.094	(0.114)	0.085	0.009
33	2.75	0.17	0.094	(0.114)	0.085	0.009
34	2.83	0.17	0.094	(0.113)	0.085	0.009
35	2.92	0.17	0.094	(0.113)	0.085	0.009
36	3.00	0.17	0.094	(0.112)	0.085	0.009
37	3.08	0.17	0.094	(0.112)	0.085	0.009
38	3.17	0.17	0.094	(0.111)	0.085	0.009
39	3.25	0.17	0.094	(0.111)	0.085	0.009
40	3.33	0.17	0.094	(0.110)	0.085	0.009
41	3.42	0.17	0.094	(0.110)	0.085	0.009
42	3.50	0.17	0.094	(0.109)	0.085	0.009
43	3.58	0.17	0.094	(0.109)	0.085	0.009
44	3.67	0.17	0.094	(0.108)	0.085	0.009

45	3.75	0.17	0.094	(0.108)	0.085	0.009
46	3.83	0.20	0.113	(0.108)	0.102	0.011
47	3.92	0.20	0.113	(0.107)	0.102	0.011
48	4.00	0.20	0.113	(0.107)	0.102	0.011
49	4.08	0.20	0.113	(0.106)	0.102	0.011
50	4.17	0.20	0.113	(0.106)	0.102	0.011
51	4.25	0.20	0.113	(0.105)	0.102	0.011
52	4.33	0.23	0.132	0.105	(0.119)	0.027
53	4.42	0.23	0.132	0.104	(0.119)	0.027
54	4.50	0.23	0.132	0.104	(0.119)	0.028
55	4.58	0.23	0.132	0.104	(0.119)	0.028
56	4.67	0.23	0.132	0.103	(0.119)	0.029
57	4.75	0.23	0.132	0.103	(0.119)	0.029
58	4.83	0.27	0.151	0.102	(0.136)	0.049
59	4.92	0.27	0.151	0.102	(0.136)	0.049
60	5.00	0.27	0.151	0.101	(0.136)	0.049
61	5.08	0.20	0.113	0.101	(0.102)	0.012
62	5.17	0.20	0.113	0.100	(0.102)	0.013
63	5.25	0.20	0.113	0.100	(0.102)	0.013
64	5.33	0.23	0.132	0.100	(0.119)	0.032
65	5.42	0.23	0.132	0.099	(0.119)	0.033
66	5.50	0.23	0.132	0.099	(0.119)	0.033
67	5.58	0.27	0.151	0.098	(0.136)	0.052
68	5.67	0.27	0.151	0.098	(0.136)	0.053
69	5.75	0.27	0.151	0.097	(0.136)	0.053
70	5.83	0.27	0.151	0.097	(0.136)	0.054
71	5.92	0.27	0.151	0.097	(0.136)	0.054
72	6.00	0.27	0.151	0.096	(0.136)	0.055
73	6.08	0.30	0.170	0.096	(0.153)	0.074
74	6.17	0.30	0.170	0.095	(0.153)	0.074
75	6.25	0.30	0.170	0.095	(0.153)	0.075
76	6.33	0.30	0.170	0.094	(0.153)	0.075
77	6.42	0.30	0.170	0.094	(0.153)	0.076
78	6.50	0.30	0.170	0.094	(0.153)	0.076
79	6.58	0.33	0.188	0.093	(0.170)	0.095
80	6.67	0.33	0.188	0.093	(0.170)	0.096
81	6.75	0.33	0.188	0.092	(0.170)	0.096
82	6.83	0.33	0.188	0.092	(0.170)	0.097
83	6.92	0.33	0.188	0.091	(0.170)	0.097
84	7.00	0.33	0.188	0.091	(0.170)	0.097
85	7.08	0.33	0.188	0.091	(0.170)	0.098
86	7.17	0.33	0.188	0.090	(0.170)	0.098
87	7.25	0.33	0.188	0.090	(0.170)	0.099
88	7.33	0.37	0.207	0.089	(0.187)	0.118
89	7.42	0.37	0.207	0.089	(0.187)	0.118
90	7.50	0.37	0.207	0.089	(0.187)	0.119
91	7.58	0.40	0.226	0.088	(0.203)	0.138
92	7.67	0.40	0.226	0.088	(0.203)	0.138
93	7.75	0.40	0.226	0.087	(0.203)	0.139
94	7.83	0.43	0.245	0.087	(0.220)	0.158

95	7.92	0.43	0.245	0.087	(0.220)	0.158
96	8.00	0.43	0.245	0.086	(0.220)	0.159
97	8.08	0.50	0.283	0.086	(0.254)	0.197
98	8.17	0.50	0.283	0.085	(0.254)	0.197
99	8.25	0.50	0.283	0.085	(0.254)	0.198
100	8.33	0.50	0.283	0.085	(0.254)	0.198
101	8.42	0.50	0.283	0.084	(0.254)	0.198
102	8.50	0.50	0.283	0.084	(0.254)	0.199
103	8.58	0.53	0.301	0.083	(0.271)	0.218
104	8.67	0.53	0.301	0.083	(0.271)	0.218
105	8.75	0.53	0.301	0.083	(0.271)	0.219
106	8.83	0.57	0.320	0.082	(0.288)	0.238
107	8.92	0.57	0.320	0.082	(0.288)	0.238
108	9.00	0.57	0.320	0.081	(0.288)	0.239
109	9.08	0.63	0.358	0.081	(0.322)	0.277
110	9.17	0.63	0.358	0.081	(0.322)	0.277
111	9.25	0.63	0.358	0.080	(0.322)	0.278
112	9.33	0.67	0.377	0.080	(0.339)	0.297
113	9.42	0.67	0.377	0.080	(0.339)	0.297
114	9.50	0.67	0.377	0.079	(0.339)	0.298
115	9.58	0.70	0.396	0.079	(0.356)	0.317
116	9.67	0.70	0.396	0.078	(0.356)	0.317
117	9.75	0.70	0.396	0.078	(0.356)	0.318
118	9.83	0.73	0.414	0.078	(0.373)	0.337
119	9.92	0.73	0.414	0.077	(0.373)	0.337
120	10.00	0.73	0.414	0.077	(0.373)	0.338
121	10.08	0.50	0.283	0.077	(0.254)	0.206
122	10.17	0.50	0.283	0.076	(0.254)	0.206
123	10.25	0.50	0.283	0.076	(0.254)	0.207
124	10.33	0.50	0.283	0.075	(0.254)	0.207
125	10.42	0.50	0.283	0.075	(0.254)	0.208
126	10.50	0.50	0.283	0.075	(0.254)	0.208
127	10.58	0.67	0.377	0.074	(0.339)	0.302
128	10.67	0.67	0.377	0.074	(0.339)	0.303
129	10.75	0.67	0.377	0.074	(0.339)	0.303
130	10.83	0.67	0.377	0.073	(0.339)	0.304
131	10.92	0.67	0.377	0.073	(0.339)	0.304
132	11.00	0.67	0.377	0.072	(0.339)	0.304
133	11.08	0.63	0.358	0.072	(0.322)	0.286
134	11.17	0.63	0.358	0.072	(0.322)	0.286
135	11.25	0.63	0.358	0.071	(0.322)	0.287
136	11.33	0.63	0.358	0.071	(0.322)	0.287
137	11.42	0.63	0.358	0.071	(0.322)	0.287
138	11.50	0.63	0.358	0.070	(0.322)	0.288
139	11.58	0.57	0.320	0.070	(0.288)	0.250
140	11.67	0.57	0.320	0.070	(0.288)	0.251
141	11.75	0.57	0.320	0.069	(0.288)	0.251
142	11.83	0.60	0.339	0.069	(0.305)	0.270
143	11.92	0.60	0.339	0.069	(0.305)	0.270
144	12.00	0.60	0.339	0.068	(0.305)	0.271

145	12.08	0.83	0.471	0.068	(0.424)	0.403
146	12.17	0.83	0.471	0.068	(0.424)	0.403
147	12.25	0.83	0.471	0.067	(0.424)	0.404
148	12.33	0.87	0.490	0.067	(0.441)	0.423
149	12.42	0.87	0.490	0.067	(0.441)	0.423
150	12.50	0.87	0.490	0.066	(0.441)	0.424
151	12.58	0.93	0.528	0.066	(0.475)	0.462
152	12.67	0.93	0.528	0.066	(0.475)	0.462
153	12.75	0.93	0.528	0.065	(0.475)	0.462
154	12.83	0.97	0.546	0.065	(0.492)	0.481
155	12.92	0.97	0.546	0.065	(0.492)	0.482
156	13.00	0.97	0.546	0.064	(0.492)	0.482
157	13.08	1.13	0.641	0.064	(0.577)	0.577
158	13.17	1.13	0.641	0.064	(0.577)	0.577
159	13.25	1.13	0.641	0.063	(0.577)	0.577
160	13.33	1.13	0.641	0.063	(0.577)	0.578
161	13.42	1.13	0.641	0.063	(0.577)	0.578
162	13.50	1.13	0.641	0.062	(0.577)	0.578
163	13.58	0.77	0.433	0.062	(0.390)	0.371
164	13.67	0.77	0.433	0.062	(0.390)	0.372
165	13.75	0.77	0.433	0.061	(0.390)	0.372
166	13.83	0.77	0.433	0.061	(0.390)	0.372
167	13.92	0.77	0.433	0.061	(0.390)	0.373
168	14.00	0.77	0.433	0.060	(0.390)	0.373
169	14.08	0.90	0.509	0.060	(0.458)	0.449
170	14.17	0.90	0.509	0.060	(0.458)	0.449
171	14.25	0.90	0.509	0.060	(0.458)	0.449
172	14.33	0.87	0.490	0.059	(0.441)	0.431
173	14.42	0.87	0.490	0.059	(0.441)	0.431
174	14.50	0.87	0.490	0.059	(0.441)	0.431
175	14.58	0.87	0.490	0.058	(0.441)	0.431
176	14.67	0.87	0.490	0.058	(0.441)	0.432
177	14.75	0.87	0.490	0.058	(0.441)	0.432
178	14.83	0.83	0.471	0.057	(0.424)	0.414
179	14.92	0.83	0.471	0.057	(0.424)	0.414
180	15.00	0.83	0.471	0.057	(0.424)	0.414
181	15.08	0.80	0.452	0.057	(0.407)	0.396
182	15.17	0.80	0.452	0.056	(0.407)	0.396
183	15.25	0.80	0.452	0.056	(0.407)	0.396
184	15.33	0.77	0.433	0.056	(0.390)	0.378
185	15.42	0.77	0.433	0.055	(0.390)	0.378
186	15.50	0.77	0.433	0.055	(0.390)	0.378
187	15.58	0.63	0.358	0.055	(0.322)	0.303
188	15.67	0.63	0.358	0.055	(0.322)	0.303
189	15.75	0.63	0.358	0.054	(0.322)	0.304
190	15.83	0.63	0.358	0.054	(0.322)	0.304
191	15.92	0.63	0.358	0.054	(0.322)	0.304
192	16.00	0.63	0.358	0.053	(0.322)	0.304
193	16.08	0.13	0.075	0.053	(0.068)	0.022
194	16.17	0.13	0.075	0.053	(0.068)	0.022

195	16.25	0.13	0.075	0.053	(0.068)	0.023
196	16.33	0.13	0.075	0.052	(0.068)	0.023
197	16.42	0.13	0.075	0.052	(0.068)	0.023
198	16.50	0.13	0.075	0.052	(0.068)	0.024
199	16.58	0.10	0.057	(0.052)	0.051	0.006
200	16.67	0.10	0.057	(0.051)	0.051	0.006
201	16.75	0.10	0.057	(0.051)	0.051	0.006
202	16.83	0.10	0.057	0.051	(0.051)	0.006
203	16.92	0.10	0.057	0.051	(0.051)	0.006
204	17.00	0.10	0.057	0.050	(0.051)	0.006
205	17.08	0.17	0.094	0.050	(0.085)	0.044
206	17.17	0.17	0.094	0.050	(0.085)	0.044
207	17.25	0.17	0.094	0.050	(0.085)	0.045
208	17.33	0.17	0.094	0.049	(0.085)	0.045
209	17.42	0.17	0.094	0.049	(0.085)	0.045
210	17.50	0.17	0.094	0.049	(0.085)	0.045
211	17.58	0.17	0.094	0.049	(0.085)	0.046
212	17.67	0.17	0.094	0.048	(0.085)	0.046
213	17.75	0.17	0.094	0.048	(0.085)	0.046
214	17.83	0.13	0.075	0.048	(0.068)	0.028
215	17.92	0.13	0.075	0.048	(0.068)	0.028
216	18.00	0.13	0.075	0.047	(0.068)	0.028
217	18.08	0.13	0.075	0.047	(0.068)	0.028
218	18.17	0.13	0.075	0.047	(0.068)	0.028
219	18.25	0.13	0.075	0.047	(0.068)	0.029
220	18.33	0.13	0.075	0.046	(0.068)	0.029
221	18.42	0.13	0.075	0.046	(0.068)	0.029
222	18.50	0.13	0.075	0.046	(0.068)	0.029
223	18.58	0.10	0.057	0.046	(0.051)	0.011
224	18.67	0.10	0.057	0.046	(0.051)	0.011
225	18.75	0.10	0.057	0.045	(0.051)	0.011
226	18.83	0.07	0.038	(0.045)	0.034	0.004
227	18.92	0.07	0.038	(0.045)	0.034	0.004
228	19.00	0.07	0.038	(0.045)	0.034	0.004
229	19.08	0.10	0.057	0.044	(0.051)	0.012
230	19.17	0.10	0.057	0.044	(0.051)	0.012
231	19.25	0.10	0.057	0.044	(0.051)	0.012
232	19.33	0.13	0.075	0.044	(0.068)	0.032
233	19.42	0.13	0.075	0.044	(0.068)	0.032
234	19.50	0.13	0.075	0.043	(0.068)	0.032
235	19.58	0.10	0.057	0.043	(0.051)	0.013
236	19.67	0.10	0.057	0.043	(0.051)	0.013
237	19.75	0.10	0.057	0.043	(0.051)	0.014
238	19.83	0.07	0.038	(0.043)	0.034	0.004
239	19.92	0.07	0.038	(0.042)	0.034	0.004
240	20.00	0.07	0.038	(0.042)	0.034	0.004
241	20.08	0.10	0.057	0.042	(0.051)	0.014
242	20.17	0.10	0.057	0.042	(0.051)	0.015
243	20.25	0.10	0.057	0.042	(0.051)	0.015
244	20.33	0.10	0.057	0.042	(0.051)	0.015

245	20.42	0.10	0.057	0.041	(0.051)	0.015
246	20.50	0.10	0.057	0.041	(0.051)	0.015
247	20.58	0.10	0.057	0.041	(0.051)	0.016
248	20.67	0.10	0.057	0.041	(0.051)	0.016
249	20.75	0.10	0.057	0.041	(0.051)	0.016
250	20.83	0.07	0.038	(0.041)	0.034	0.004
251	20.92	0.07	0.038	(0.040)	0.034	0.004
252	21.00	0.07	0.038	(0.040)	0.034	0.004
253	21.08	0.10	0.057	0.040	(0.051)	0.016
254	21.17	0.10	0.057	0.040	(0.051)	0.017
255	21.25	0.10	0.057	0.040	(0.051)	0.017
256	21.33	0.07	0.038	(0.040)	0.034	0.004
257	21.42	0.07	0.038	(0.039)	0.034	0.004
258	21.50	0.07	0.038	(0.039)	0.034	0.004
259	21.58	0.10	0.057	0.039	(0.051)	0.017
260	21.67	0.10	0.057	0.039	(0.051)	0.018
261	21.75	0.10	0.057	0.039	(0.051)	0.018
262	21.83	0.07	0.038	(0.039)	0.034	0.004
263	21.92	0.07	0.038	(0.039)	0.034	0.004
264	22.00	0.07	0.038	(0.038)	0.034	0.004
265	22.08	0.10	0.057	0.038	(0.051)	0.018
266	22.17	0.10	0.057	0.038	(0.051)	0.018
267	22.25	0.10	0.057	0.038	(0.051)	0.018
268	22.33	0.07	0.038	(0.038)	0.034	0.004
269	22.42	0.07	0.038	(0.038)	0.034	0.004
270	22.50	0.07	0.038	(0.038)	0.034	0.004
271	22.58	0.07	0.038	(0.038)	0.034	0.004
272	22.67	0.07	0.038	(0.038)	0.034	0.004
273	22.75	0.07	0.038	(0.037)	0.034	0.004
274	22.83	0.07	0.038	(0.037)	0.034	0.004
275	22.92	0.07	0.038	(0.037)	0.034	0.004
276	23.00	0.07	0.038	(0.037)	0.034	0.004
277	23.08	0.07	0.038	(0.037)	0.034	0.004
278	23.17	0.07	0.038	(0.037)	0.034	0.004
279	23.25	0.07	0.038	(0.037)	0.034	0.004
280	23.33	0.07	0.038	(0.037)	0.034	0.004
281	23.42	0.07	0.038	(0.037)	0.034	0.004
282	23.50	0.07	0.038	(0.037)	0.034	0.004
283	23.58	0.07	0.038	(0.037)	0.034	0.004
284	23.67	0.07	0.038	(0.037)	0.034	0.004
285	23.75	0.07	0.038	(0.036)	0.034	0.004
286	23.83	0.07	0.038	(0.036)	0.034	0.004
287	23.92	0.07	0.038	(0.036)	0.034	0.004
288	24.00	0.07	0.038	(0.036)	0.034	0.004

(Loss Rate Not Used)

Sum = 100.0

Sum = 38.1

Flood volume = Effective rainfall 3.18(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)

Total soil loss = 1.53(In)

Total soil loss = 0.287(Ac.Ft)

Total rainfall = 4.71(In)
 Flood volume = 25948.2 Cubic Feet
 Total soil loss = 12520.5 Cubic Feet

 Peak flow rate of this hydrograph = 1.311(CFS)

+++++
 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0001	0.01	Q				
0+15	0.0001	0.01	Q				
0+20	0.0002	0.01	Q				
0+25	0.0003	0.01	Q				
0+30	0.0004	0.01	Q				
0+35	0.0004	0.01	Q				
0+40	0.0005	0.01	Q				
0+45	0.0006	0.01	Q				
0+50	0.0007	0.01	Q				
0+55	0.0008	0.02	Q				
1+ 0	0.0010	0.02	Q				
1+ 5	0.0011	0.02	Q				
1+10	0.0012	0.01	Q				
1+15	0.0012	0.01	Q				
1+20	0.0013	0.01	Q				
1+25	0.0014	0.01	Q				
1+30	0.0015	0.01	Q				
1+35	0.0016	0.01	Q				
1+40	0.0017	0.01	Q				
1+45	0.0018	0.01	Q				
1+50	0.0019	0.01	Q				
1+55	0.0020	0.02	Q				
2+ 0	0.0021	0.02	Q				
2+ 5	0.0022	0.02	Q				
2+10	0.0023	0.02	Q				
2+15	0.0025	0.02	Q				
2+20	0.0026	0.02	Q				
2+25	0.0027	0.02	Q				
2+30	0.0028	0.02	Q				
2+35	0.0029	0.02	Q				
2+40	0.0031	0.02	Q				
2+45	0.0032	0.02	Q				
2+50	0.0034	0.02	Q				
2+55	0.0035	0.02	Q				

3+ 0	0.0037	0.02	Q
3+ 5	0.0038	0.02	Q
3+10	0.0040	0.02	Q
3+15	0.0041	0.02	Q
3+20	0.0043	0.02	Q
3+25	0.0044	0.02	Q
3+30	0.0045	0.02	Q
3+35	0.0047	0.02	Q
3+40	0.0048	0.02	Q
3+45	0.0050	0.02	Q
3+50	0.0051	0.02	Q
3+55	0.0053	0.02	Q
4+ 0	0.0055	0.03	Q
4+ 5	0.0057	0.03	Q
4+10	0.0058	0.03	Q
4+15	0.0060	0.03	Q
4+20	0.0063	0.04	Q
4+25	0.0067	0.06	Q
4+30	0.0071	0.06	Q
4+35	0.0075	0.06	Q
4+40	0.0080	0.06	Q
4+45	0.0084	0.07	Q
4+50	0.0090	0.08	Q
4+55	0.0097	0.10	Q
5+ 0	0.0104	0.11	Q
5+ 5	0.0110	0.08	Q
5+10	0.0113	0.04	Q
5+15	0.0115	0.03	Q
5+20	0.0118	0.05	Q
5+25	0.0123	0.07	Q
5+30	0.0128	0.07	Q
5+35	0.0134	0.09	Q
5+40	0.0142	0.11	Q
5+45	0.0150	0.12	QV
5+50	0.0158	0.12	QV
5+55	0.0166	0.12	QV
6+ 0	0.0175	0.12	QV
6+ 5	0.0184	0.14	QV
6+10	0.0195	0.16	QV
6+15	0.0207	0.17	QV
6+20	0.0218	0.17	QV
6+25	0.0230	0.17	QV
6+30	0.0242	0.17	QV
6+35	0.0255	0.19	QV
6+40	0.0269	0.21	QV
6+45	0.0284	0.21	QV
6+50	0.0299	0.22	Q V
6+55	0.0314	0.22	Q V
7+ 0	0.0329	0.22	Q V
7+ 5	0.0344	0.22	Q V

7+10	0.0360	0.22	Q V				
7+15	0.0375	0.22	Q V				
7+20	0.0392	0.24	Q V				
7+25	0.0409	0.26	QV				
7+30	0.0428	0.27	QV				
7+35	0.0447	0.28	Q V				
7+40	0.0468	0.31	Q V				
7+45	0.0490	0.31	Q V				
7+50	0.0512	0.33	Q V				
7+55	0.0536	0.35	Q V				
8+ 0	0.0561	0.36	Q V				
8+ 5	0.0588	0.39	Q V				
8+10	0.0618	0.43	Q V				
8+15	0.0648	0.44	Q V				
8+20	0.0679	0.45	Q V				
8+25	0.0710	0.45	Q V				
8+30	0.0741	0.45	Q V				
8+35	0.0773	0.47	Q V				
8+40	0.0806	0.49	Q V				
8+45	0.0840	0.49	Q V				
8+50	0.0875	0.51	Q V				
8+55	0.0912	0.53	Q V				
9+ 0	0.0949	0.54	Q V				
9+ 5	0.0988	0.57	Q V				
9+10	0.1031	0.61	Q V				
9+15	0.1074	0.62	Q V				
9+20	0.1118	0.64	Q V				
9+25	0.1164	0.67	Q V				
9+30	0.1210	0.67	Q V				
9+35	0.1258	0.69	Q V				
9+40	0.1306	0.71	Q V				
9+45	0.1356	0.72	Q V				
9+50	0.1406	0.73	Q V				
9+55	0.1459	0.76	Q V				
10+ 0	0.1511	0.76	Q V				
10+ 5	0.1556	0.66	Q V				
10+10	0.1592	0.52	Q V				
10+15	0.1626	0.49	Q V				
10+20	0.1659	0.48	Q V				
10+25	0.1691	0.47	Q V				
10+30	0.1724	0.47	Q V				
10+35	0.1761	0.55	Q V				
10+40	0.1806	0.65	Q V				
10+45	0.1852	0.67	Q V				
10+50	0.1899	0.68	Q V				
10+55	0.1947	0.69	Q V				
11+ 0	0.1994	0.69	Q V				
11+ 5	0.2041	0.68	Q V				
11+10	0.2086	0.66	Q V				
11+15	0.2131	0.65	Q V				

11+20	0.2176	0.65	Q	V			
11+25	0.2221	0.65	Q	V			
11+30	0.2265	0.65	Q	V			
11+35	0.2308	0.62	Q	V			
11+40	0.2348	0.58	Q	V			
11+45	0.2388	0.57	Q	V			
11+50	0.2428	0.59	Q	V			
11+55	0.2470	0.61	Q	V			
12+ 0	0.2512	0.61	Q	V			
12+ 5	0.2562	0.72	Q	V			
12+10	0.2621	0.86	Q	V			
12+15	0.2683	0.89	Q	V			
12+20	0.2746	0.92	Q	V			
12+25	0.2812	0.95	Q	V			
12+30	0.2878	0.96	Q	V			
12+35	0.2946	0.99	Q	V			
12+40	0.3017	1.03	Q	V			
12+45	0.3089	1.04	Q	V			
12+50	0.3162	1.06	Q	V			
12+55	0.3237	1.08	Q	V			
13+ 0	0.3312	1.09	Q	V			
13+ 5	0.3392	1.17	Q	V			
13+10	0.3480	1.27	Q	V			
13+15	0.3569	1.29	Q	V			
13+20	0.3659	1.30	Q	V			
13+25	0.3749	1.31	Q	V			
13+30	0.3839	1.31	Q	V			
13+35	0.3918	1.14	Q	V			
13+40	0.3982	0.93	Q	V			
13+45	0.4042	0.88	Q	V			
13+50	0.4101	0.86	Q	V			
13+55	0.4159	0.84	Q	V			
14+ 0	0.4217	0.85	Q	V			
14+ 5	0.4280	0.91	Q	V			
14+10	0.4348	0.99	Q	V			
14+15	0.4417	1.01	Q	V			
14+20	0.4486	1.00	Q	V			
14+25	0.4554	0.98	Q	V			
14+30	0.4621	0.98	Q	V			
14+35	0.4689	0.98	Q	V			
14+40	0.4756	0.98	Q	V			
14+45	0.4824	0.98	Q	V			
14+50	0.4890	0.96	Q	V			
14+55	0.4955	0.95	Q	V			
15+ 0	0.5020	0.94	Q	V			
15+ 5	0.5084	0.93	Q	V			
15+10	0.5146	0.91	Q	V			
15+15	0.5208	0.90	Q	V			
15+20	0.5269	0.88	Q	V			
15+25	0.5329	0.86	Q	V			

15+30	0.5388	0.86	Q				V
15+35	0.5443	0.80	Q				V
15+40	0.5492	0.72	Q				V
15+45	0.5541	0.70	Q				V
15+50	0.5588	0.69	Q				V
15+55	0.5636	0.69	Q				V
16+ 0	0.5684	0.69	Q				V
16+ 5	0.5715	0.46	Q				V
16+10	0.5727	0.16	Q				V
16+15	0.5733	0.10	Q				V
16+20	0.5738	0.07	Q				V
16+25	0.5742	0.05	Q				V
16+30	0.5745	0.05	Q				V
16+35	0.5748	0.04	Q				V
16+40	0.5749	0.02	Q				V
16+45	0.5750	0.02	Q				V
16+50	0.5751	0.01	Q				V
16+55	0.5752	0.01	Q				V
17+ 0	0.5753	0.01	Q				V
17+ 5	0.5756	0.05	Q				V
17+10	0.5762	0.08	Q				V
17+15	0.5769	0.09	Q				V
17+20	0.5776	0.10	Q				V
17+25	0.5783	0.10	Q				V
17+30	0.5790	0.10	Q				V
17+35	0.5797	0.10	Q				V
17+40	0.5804	0.10	Q				V
17+45	0.5811	0.10	Q				V
17+50	0.5817	0.09	Q				V
17+55	0.5822	0.07	Q				V
18+ 0	0.5827	0.07	Q				V
18+ 5	0.5831	0.06	Q				V
18+10	0.5835	0.06	Q				V
18+15	0.5840	0.06	Q				V
18+20	0.5844	0.07	Q				V
18+25	0.5849	0.07	Q				V
18+30	0.5853	0.07	Q				V
18+35	0.5857	0.05	Q				V
18+40	0.5859	0.03	Q				V
18+45	0.5861	0.03	Q				V
18+50	0.5863	0.02	Q				V
18+55	0.5863	0.01	Q				V
19+ 0	0.5864	0.01	Q				V
19+ 5	0.5865	0.02	Q				V
19+10	0.5867	0.02	Q				V
19+15	0.5869	0.03	Q				V
19+20	0.5872	0.04	Q				V
19+25	0.5876	0.06	Q				V
19+30	0.5881	0.07	Q				V
19+35	0.5885	0.06	Q				V

19+40	0.5887	0.04	Q				V
19+45	0.5889	0.03	Q				V
19+50	0.5891	0.02	Q				V
19+55	0.5892	0.01	Q				V
20+ 0	0.5893	0.01	Q				V
20+ 5	0.5894	0.02	Q				V
20+10	0.5896	0.03	Q				V
20+15	0.5898	0.03	Q				V
20+20	0.5900	0.03	Q				V
20+25	0.5903	0.03	Q				V
20+30	0.5905	0.03	Q				V
20+35	0.5907	0.03	Q				V
20+40	0.5910	0.04	Q				V
20+45	0.5912	0.04	Q				V
20+50	0.5914	0.03	Q				V
20+55	0.5915	0.01	Q				V
21+ 0	0.5916	0.01	Q				V
21+ 5	0.5917	0.02	Q				V
21+10	0.5919	0.03	Q				V
21+15	0.5922	0.04	Q				V
21+20	0.5924	0.03	Q				V
21+25	0.5925	0.01	Q				V
21+30	0.5925	0.01	Q				V
21+35	0.5927	0.02	Q				V
21+40	0.5929	0.03	Q				V
21+45	0.5932	0.04	Q				V
21+50	0.5934	0.03	Q				V
21+55	0.5935	0.01	Q				V
22+ 0	0.5935	0.01	Q				V
22+ 5	0.5937	0.02	Q				V
22+10	0.5939	0.04	Q				V
22+15	0.5942	0.04	Q				V
22+20	0.5944	0.03	Q				V
22+25	0.5945	0.01	Q				V
22+30	0.5946	0.01	Q				V
22+35	0.5946	0.01	Q				V
22+40	0.5947	0.01	Q				V
22+45	0.5948	0.01	Q				V
22+50	0.5948	0.01	Q				V
22+55	0.5949	0.01	Q				V
23+ 0	0.5949	0.01	Q				V
23+ 5	0.5950	0.01	Q				V
23+10	0.5950	0.01	Q				V
23+15	0.5951	0.01	Q				V
23+20	0.5952	0.01	Q				V
23+25	0.5952	0.01	Q				V
23+30	0.5953	0.01	Q				V
23+35	0.5953	0.01	Q				V
23+40	0.5954	0.01	Q				V
23+45	0.5955	0.01	Q				V

23+50	0.5955	0.01	Q				V
23+55	0.5956	0.01	Q				V
24+ 0	0.5956	0.01	Q				V
24+ 5	0.5957	0.01	Q				V
24+10	0.5957	0.00	Q				V
24+15	0.5957	0.00	Q				V
24+20	0.5957	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda26100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 100 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.13	2.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	2.65	5.96

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000
Total Area Entered = 2.25(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	0.073	(0.143)	0.086
2	0.17	0.60	0.191	0.073	(0.172)	0.118
3	0.25	0.60	0.191	0.073	(0.172)	0.118
4	0.33	0.60	0.191	0.073	(0.172)	0.118
5	0.42	0.60	0.191	0.073	(0.172)	0.118
6	0.50	0.70	0.223	0.073	(0.200)	0.150
7	0.58	0.70	0.223	0.073	(0.200)	0.150
8	0.67	0.70	0.223	0.073	(0.200)	0.150
9	0.75	0.70	0.223	0.073	(0.200)	0.150
10	0.83	0.70	0.223	0.073	(0.200)	0.150
11	0.92	0.70	0.223	0.073	(0.200)	0.150
12	1.00	0.80	0.254	0.073	(0.229)	0.182
13	1.08	0.80	0.254	0.073	(0.229)	0.182
14	1.17	0.80	0.254	0.073	(0.229)	0.182
15	1.25	0.80	0.254	0.073	(0.229)	0.182
16	1.33	0.80	0.254	0.073	(0.229)	0.182
17	1.42	0.80	0.254	0.073	(0.229)	0.182
18	1.50	0.80	0.254	0.073	(0.229)	0.182
19	1.58	0.80	0.254	0.073	(0.229)	0.182
20	1.67	0.80	0.254	0.073	(0.229)	0.182
21	1.75	0.80	0.254	0.073	(0.229)	0.182
22	1.83	0.80	0.254	0.073	(0.229)	0.182
23	1.92	0.80	0.254	0.073	(0.229)	0.182
24	2.00	0.90	0.286	0.073	(0.258)	0.213
25	2.08	0.80	0.254	0.073	(0.229)	0.182
26	2.17	0.90	0.286	0.073	(0.258)	0.213
27	2.25	0.90	0.286	0.073	(0.258)	0.213
28	2.33	0.90	0.286	0.073	(0.258)	0.213
29	2.42	0.90	0.286	0.073	(0.258)	0.213
30	2.50	0.90	0.286	0.073	(0.258)	0.213
31	2.58	0.90	0.286	0.073	(0.258)	0.213
32	2.67	0.90	0.286	0.073	(0.258)	0.213
33	2.75	1.00	0.318	0.073	(0.286)	0.245
34	2.83	1.00	0.318	0.073	(0.286)	0.245
35	2.92	1.00	0.318	0.073	(0.286)	0.245
36	3.00	1.00	0.318	0.073	(0.286)	0.245
37	3.08	1.00	0.318	0.073	(0.286)	0.245
38	3.17	1.10	0.350	0.073	(0.315)	0.277
39	3.25	1.10	0.350	0.073	(0.315)	0.277
40	3.33	1.10	0.350	0.073	(0.315)	0.277
41	3.42	1.20	0.382	0.073	(0.343)	0.309
42	3.50	1.30	0.413	0.073	(0.372)	0.341
43	3.58	1.40	0.445	0.073	(0.401)	0.372
44	3.67	1.40	0.445	0.073	(0.401)	0.372

45	3.75	1.50	0.477	0.073	(0.429)	0.404
46	3.83	1.50	0.477	0.073	(0.429)	0.404
47	3.92	1.60	0.509	0.073	(0.458)	0.436
48	4.00	1.60	0.509	0.073	(0.458)	0.436
49	4.08	1.70	0.541	0.073	(0.487)	0.468
50	4.17	1.80	0.572	0.073	(0.515)	0.500
51	4.25	1.90	0.604	0.073	(0.544)	0.531
52	4.33	2.00	0.636	0.073	(0.572)	0.563
53	4.42	2.10	0.668	0.073	(0.601)	0.595
54	4.50	2.10	0.668	0.073	(0.601)	0.595
55	4.58	2.20	0.700	0.073	(0.630)	0.627
56	4.67	2.30	0.731	0.073	(0.658)	0.659
57	4.75	2.40	0.763	0.073	(0.687)	0.690
58	4.83	2.40	0.763	0.073	(0.687)	0.690
59	4.92	2.50	0.795	0.073	(0.715)	0.722
60	5.00	2.60	0.827	0.073	(0.744)	0.754
61	5.08	3.10	0.986	0.073	(0.887)	0.913
62	5.17	3.60	1.145	0.073	(1.030)	1.072
63	5.25	3.90	1.240	0.073	(1.116)	1.167
64	5.33	4.20	1.336	0.073	(1.202)	1.263
65	5.42	4.70	1.495	0.073	(1.345)	1.422
66	5.50	5.60	1.781	0.073	(1.603)	1.708
67	5.58	1.90	0.604	0.073	(0.544)	0.531
68	5.67	0.90	0.286	0.073	(0.258)	0.213
69	5.75	0.60	0.191	0.073	(0.172)	0.118
70	5.83	0.50	0.159	0.073	(0.143)	0.086
71	5.92	0.30	0.095	0.073	(0.086)	0.023
72	6.00	0.20	0.064	(0.073)	0.057	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 26.6

Flood volume = Effective rainfall 2.21(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.44(In)
Total soil loss = 0.082(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 18086.7 Cubic Feet
Total soil loss = 3557.0 Cubic Feet

Peak flow rate of this hydrograph = 3.373(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005	0.07	Q				

0+10	0.0018	0.19	Q				
0+15	0.0034	0.24	Q				
0+20	0.0052	0.26	VQ				
0+25	0.0070	0.27	VQ				
0+30	0.0090	0.29	VQ				
0+35	0.0113	0.33	Q				
0+40	0.0136	0.33	Q				
0+45	0.0159	0.34	Q				
0+50	0.0183	0.34	Q				
0+55	0.0206	0.34	Q				
1+ 0	0.0231	0.37	QV				
1+ 5	0.0259	0.40	QV				
1+10	0.0287	0.41	QV				
1+15	0.0315	0.41	Q V				
1+20	0.0343	0.41	Q V				
1+25	0.0372	0.41	Q V				
1+30	0.0400	0.41	Q V				
1+35	0.0429	0.41	Q V				
1+40	0.0457	0.41	Q V				
1+45	0.0485	0.41	Q V				
1+50	0.0514	0.41	Q V				
1+55	0.0542	0.41	Q V				
2+ 0	0.0572	0.44	Q V				
2+ 5	0.0603	0.45	Q V				
2+10	0.0634	0.45	Q V				
2+15	0.0666	0.47	Q V				
2+20	0.0699	0.48	Q V				
2+25	0.0733	0.48	Q V				
2+30	0.0766	0.48	Q V				
2+35	0.0799	0.48	Q V				
2+40	0.0833	0.48	Q V				
2+45	0.0868	0.51	Q V				
2+50	0.0905	0.54	Q V				
2+55	0.0943	0.55	Q V				
3+ 0	0.0981	0.55	Q V				
3+ 5	0.1020	0.56	Q V				
3+10	0.1060	0.58	Q V				
3+15	0.1102	0.62	Q V				
3+20	0.1145	0.62	Q V				
3+25	0.1190	0.65	Q V				
3+30	0.1239	0.71	Q V				
3+35	0.1293	0.78	Q V				
3+40	0.1350	0.82	Q V				
3+45	0.1409	0.86	Q V				
3+50	0.1471	0.90	Q V				
3+55	0.1536	0.94	Q V				
4+ 0	0.1603	0.97	Q V				
4+ 5	0.1672	1.01	Q V				
4+10	0.1746	1.07	Q V				
4+15	0.1825	1.14	Q V				

4+20	0.1908	1.21		Q		V					
4+25	0.1997	1.28		Q		V					
4+30	0.2088	1.33		Q		V					
4+35	0.2183	1.37		Q		V					
4+40	0.2281	1.43		Q		V					
4+45	0.2385	1.50		Q		V					
4+50	0.2491	1.55		Q		V					
4+55	0.2600	1.58		Q		V					
5+ 0	0.2714	1.65		Q		V					
5+ 5	0.2839	1.82		Q		V					
5+10	0.2986	2.13		Q		V					
5+15	0.3153	2.42		Q		V					
5+20	0.3335	2.65		Q		V					
5+25	0.3537	2.93		Q		V					
5+30	0.3769	3.37		Q		V					
5+35	0.3960	2.76		Q		V					
5+40	0.4054	1.36		Q		V					
5+45	0.4103	0.71		Q		V					
5+50	0.4131	0.41		Q		V					
5+55	0.4144	0.19		Q		V					
6+ 0	0.4149	0.08		Q		V					
6+ 5	0.4151	0.03		Q		V					
6+10	0.4152	0.01		Q		V					
6+15	0.4152	0.00		Q		V					
6+20	0.4152	0.00		Q		V					

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda23100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 100 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.82	1.84

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.96	4.41

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000
Total Area Entered = 2.25(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.073	(0.275)	0.233
2	0.17	1.30	0.306	0.073	(0.275)	0.233
3	0.25	1.10	0.259	0.073	(0.233)	0.186
4	0.33	1.50	0.353	0.073	(0.318)	0.280
5	0.42	1.50	0.353	0.073	(0.318)	0.280
6	0.50	1.80	0.423	0.073	(0.381)	0.351
7	0.58	1.50	0.353	0.073	(0.318)	0.280
8	0.67	1.80	0.423	0.073	(0.381)	0.351
9	0.75	1.80	0.423	0.073	(0.381)	0.351
10	0.83	1.50	0.353	0.073	(0.318)	0.280
11	0.92	1.60	0.376	0.073	(0.339)	0.304
12	1.00	1.80	0.423	0.073	(0.381)	0.351
13	1.08	2.20	0.517	0.073	(0.466)	0.445
14	1.17	2.20	0.517	0.073	(0.466)	0.445
15	1.25	2.20	0.517	0.073	(0.466)	0.445
16	1.33	2.00	0.470	0.073	(0.423)	0.398
17	1.42	2.60	0.612	0.073	(0.550)	0.539
18	1.50	2.70	0.635	0.073	(0.572)	0.562
19	1.58	2.40	0.564	0.073	(0.508)	0.492
20	1.67	2.70	0.635	0.073	(0.572)	0.562
21	1.75	3.30	0.776	0.073	(0.699)	0.703
22	1.83	3.10	0.729	0.073	(0.656)	0.656
23	1.92	2.90	0.682	0.073	(0.614)	0.609
24	2.00	3.00	0.706	0.073	(0.635)	0.633
25	2.08	3.10	0.729	0.073	(0.656)	0.656
26	2.17	4.20	0.988	0.073	(0.889)	0.915
27	2.25	5.00	1.176	0.073	(1.058)	1.103
28	2.33	3.50	0.823	0.073	(0.741)	0.750
29	2.42	6.80	1.599	0.073	(1.439)	1.527
30	2.50	7.30	1.717	0.073	(1.545)	1.644
31	2.58	8.20	1.929	0.073	(1.736)	1.856
32	2.67	5.90	1.388	0.073	(1.249)	1.315
33	2.75	2.00	0.470	0.073	(0.423)	0.398
34	2.83	1.80	0.423	0.073	(0.381)	0.351
35	2.92	1.80	0.423	0.073	(0.381)	0.351
36	3.00	0.60	0.141	0.073	(0.127)	0.068

(Loss Rate Not Used)

Sum = 100.0

Sum = 20.9

Flood volume = Effective rainfall 1.74(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)

Total soil loss = 0.22(In)

Total soil loss = 0.041(Ac.Ft)

Total rainfall = 1.96(In)

Flood volume = 14224.4 Cubic Feet

Total soil loss = 1783.8 Cubic Feet

Peak flow rate of this hydrograph = 3.749(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0013	0.19	Q				
0+10	0.0043	0.43	VQ				
0+15	0.0074	0.45	VQ				
0+20	0.0109	0.50	VQ				
0+25	0.0150	0.60	VQ				
0+30	0.0197	0.68	Q				
0+35	0.0246	0.70	QV				
0+40	0.0295	0.71	QV				
0+45	0.0348	0.77	QV				
0+50	0.0398	0.73	Q V				
0+55	0.0445	0.68	Q V				
1+ 0	0.0495	0.73	Q V				
1+ 5	0.0554	0.85	Q V				
1+10	0.0620	0.96	Q V				
1+15	0.0688	0.99	Q V				
1+20	0.0755	0.96	Q V				
1+25	0.0826	1.04	Q V				
1+30	0.0908	1.19	Q V				
1+35	0.0990	1.19	Q V				
1+40	0.1072	1.19	Q V				
1+45	0.1166	1.37	Q V				
1+50	0.1269	1.49	Q V				
1+55	0.1368	1.44	Q V				
2+ 0	0.1466	1.42	Q V				
2+ 5	0.1567	1.46	Q V				
2+10	0.1683	1.69	Q V				
2+15	0.1829	2.12	Q V				
2+20	0.1973	2.09	Q V				
2+25	0.2141	2.43	Q V				
2+30	0.2367	3.29	Q V				
2+35	0.2625	3.75	Q V				
2+40	0.2874	3.61	Q V				
2+45	0.3040	2.41	Q V				
2+50	0.3131	1.31	Q V				
2+55	0.3200	1.00	Q V				
3+ 0	0.3243	0.63	Q V				
3+ 5	0.3258	0.22	Q V				

3+10	0.3263	0.07	Q				V
3+15	0.3265	0.03	Q				V
3+20	0.3265	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda21100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 100 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.47	1.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.24	2.79

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

Unit	Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective (In/Hr)
	(Hr.)	Percent	(In/Hr)	Max	Low	
1	0.08	4.20	0.625	0.073	(0.562)	0.552
2	0.17	4.30	0.640	0.073	(0.576)	0.567
3	0.25	5.00	0.744	0.073	(0.670)	0.671
4	0.33	5.00	0.744	0.073	(0.670)	0.671
5	0.42	5.80	0.863	0.073	(0.777)	0.790
6	0.50	6.50	0.967	0.073	(0.870)	0.894
7	0.58	7.40	1.101	0.073	(0.991)	1.028
8	0.67	8.60	1.280	0.073	(1.152)	1.207
9	0.75	12.30	1.830	0.073	(1.647)	1.757
10	0.83	29.10	4.330	0.073	(3.897)	4.257
11	0.92	6.80	1.012	0.073	(0.911)	0.939
12	1.00	5.00	0.744	0.073	(0.670)	0.671

(Loss Rate Not Used)

Sum = 100.0

Sum = 14.0

Flood volume = Effective rainfall 1.17(In)

$$\text{times area} \quad 2.3(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad 0.2(\text{Ac.Ft})$$

Total soil loss = $0.07(\text{In})$

Total soil loss = 0.014(Ac.Ft)

Total rainfall = 1.24(In)

Flood volume = 9532.9 Cubic Feet

Total soil loss = 594.6 Cubic Feet

Peak flow rate of this hydrograph = 5.828(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0031	0.45	VQ					
0+10	0.0103	1.04	V Q					
0+15	0.0191	1.27	V Q					
0+20	0.0290	1.44	Q					
0+25	0.0400	1.60	QV					
0+30	0.0526	1.82	Q V					
0+35	0.0669	2.08	Q	V				
0+40	0.0834	2.40	Q	V				
0+45	0.1047	3.09			Q	V		

0+50	0.1444	5.77				Q	V			
0+55	0.1845	5.83				Q			V	
1+ 0	0.2038	2.80			Q				V	
1+ 5	0.2140	1.47		Q					V	
1+10	0.2177	0.53		Q					V	
1+15	0.2185	0.13	Q						V	
1+20	0.2188	0.04	Q						V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda22410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 10 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.93	4.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	4.71	10.60

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.311)	0.022	0.002
2	0.17	0.07	0.025	(0.310)	0.022	0.002
3	0.25	0.07	0.025	(0.309)	0.022	0.002
4	0.33	0.10	0.037	(0.308)	0.033	0.004
5	0.42	0.10	0.037	(0.306)	0.033	0.004
6	0.50	0.10	0.037	(0.305)	0.033	0.004
7	0.58	0.10	0.037	(0.304)	0.033	0.004
8	0.67	0.10	0.037	(0.303)	0.033	0.004
9	0.75	0.10	0.037	(0.302)	0.033	0.004
10	0.83	0.13	0.049	(0.301)	0.044	0.005
11	0.92	0.13	0.049	(0.299)	0.044	0.005
12	1.00	0.13	0.049	(0.298)	0.044	0.005
13	1.08	0.10	0.037	(0.297)	0.033	0.004
14	1.17	0.10	0.037	(0.296)	0.033	0.004
15	1.25	0.10	0.037	(0.295)	0.033	0.004
16	1.33	0.10	0.037	(0.293)	0.033	0.004
17	1.42	0.10	0.037	(0.292)	0.033	0.004
18	1.50	0.10	0.037	(0.291)	0.033	0.004
19	1.58	0.10	0.037	(0.290)	0.033	0.004
20	1.67	0.10	0.037	(0.289)	0.033	0.004
21	1.75	0.10	0.037	(0.288)	0.033	0.004
22	1.83	0.13	0.049	(0.287)	0.044	0.005
23	1.92	0.13	0.049	(0.285)	0.044	0.005
24	2.00	0.13	0.049	(0.284)	0.044	0.005
25	2.08	0.13	0.049	(0.283)	0.044	0.005
26	2.17	0.13	0.049	(0.282)	0.044	0.005
27	2.25	0.13	0.049	(0.281)	0.044	0.005
28	2.33	0.13	0.049	(0.280)	0.044	0.005
29	2.42	0.13	0.049	(0.278)	0.044	0.005
30	2.50	0.13	0.049	(0.277)	0.044	0.005
31	2.58	0.17	0.061	(0.276)	0.055	0.006
32	2.67	0.17	0.061	(0.275)	0.055	0.006
33	2.75	0.17	0.061	(0.274)	0.055	0.006
34	2.83	0.17	0.061	(0.273)	0.055	0.006
35	2.92	0.17	0.061	(0.272)	0.055	0.006
36	3.00	0.17	0.061	(0.271)	0.055	0.006
37	3.08	0.17	0.061	(0.269)	0.055	0.006
38	3.17	0.17	0.061	(0.268)	0.055	0.006
39	3.25	0.17	0.061	(0.267)	0.055	0.006
40	3.33	0.17	0.061	(0.266)	0.055	0.006
41	3.42	0.17	0.061	(0.265)	0.055	0.006
42	3.50	0.17	0.061	(0.264)	0.055	0.006
43	3.58	0.17	0.061	(0.263)	0.055	0.006
44	3.67	0.17	0.061	(0.262)	0.055	0.006

45	3.75	0.17	0.061	(0.261)	0.055	0.006
46	3.83	0.20	0.074	(0.259)	0.066	0.007
47	3.92	0.20	0.074	(0.258)	0.066	0.007
48	4.00	0.20	0.074	(0.257)	0.066	0.007
49	4.08	0.20	0.074	(0.256)	0.066	0.007
50	4.17	0.20	0.074	(0.255)	0.066	0.007
51	4.25	0.20	0.074	(0.254)	0.066	0.007
52	4.33	0.23	0.086	(0.253)	0.077	0.009
53	4.42	0.23	0.086	(0.252)	0.077	0.009
54	4.50	0.23	0.086	(0.251)	0.077	0.009
55	4.58	0.23	0.086	(0.250)	0.077	0.009
56	4.67	0.23	0.086	(0.249)	0.077	0.009
57	4.75	0.23	0.086	(0.248)	0.077	0.009
58	4.83	0.27	0.098	(0.246)	0.089	0.010
59	4.92	0.27	0.098	(0.245)	0.089	0.010
60	5.00	0.27	0.098	(0.244)	0.089	0.010
61	5.08	0.20	0.074	(0.243)	0.066	0.007
62	5.17	0.20	0.074	(0.242)	0.066	0.007
63	5.25	0.20	0.074	(0.241)	0.066	0.007
64	5.33	0.23	0.086	(0.240)	0.077	0.009
65	5.42	0.23	0.086	(0.239)	0.077	0.009
66	5.50	0.23	0.086	(0.238)	0.077	0.009
67	5.58	0.27	0.098	(0.237)	0.089	0.010
68	5.67	0.27	0.098	(0.236)	0.089	0.010
69	5.75	0.27	0.098	(0.235)	0.089	0.010
70	5.83	0.27	0.098	(0.234)	0.089	0.010
71	5.92	0.27	0.098	(0.233)	0.089	0.010
72	6.00	0.27	0.098	(0.232)	0.089	0.010
73	6.08	0.30	0.111	(0.231)	0.100	0.011
74	6.17	0.30	0.111	(0.230)	0.100	0.011
75	6.25	0.30	0.111	(0.229)	0.100	0.011
76	6.33	0.30	0.111	(0.228)	0.100	0.011
77	6.42	0.30	0.111	(0.227)	0.100	0.011
78	6.50	0.30	0.111	(0.226)	0.100	0.011
79	6.58	0.33	0.123	(0.225)	0.111	0.012
80	6.67	0.33	0.123	(0.224)	0.111	0.012
81	6.75	0.33	0.123	(0.223)	0.111	0.012
82	6.83	0.33	0.123	(0.222)	0.111	0.012
83	6.92	0.33	0.123	(0.221)	0.111	0.012
84	7.00	0.33	0.123	(0.220)	0.111	0.012
85	7.08	0.33	0.123	(0.219)	0.111	0.012
86	7.17	0.33	0.123	(0.218)	0.111	0.012
87	7.25	0.33	0.123	(0.217)	0.111	0.012
88	7.33	0.37	0.135	(0.216)	0.122	0.014
89	7.42	0.37	0.135	(0.215)	0.122	0.014
90	7.50	0.37	0.135	(0.214)	0.122	0.014
91	7.58	0.40	0.148	(0.213)	0.133	0.015
92	7.67	0.40	0.148	(0.212)	0.133	0.015
93	7.75	0.40	0.148	(0.211)	0.133	0.015
94	7.83	0.43	0.160	(0.210)	0.144	0.016

95	7.92	0.43	0.160	(0.209)	0.144	0.016
96	8.00	0.43	0.160	(0.208)	0.144	0.016
97	8.08	0.50	0.184	(0.207)	0.166	0.018
98	8.17	0.50	0.184	(0.206)	0.166	0.018
99	8.25	0.50	0.184	(0.205)	0.166	0.018
100	8.33	0.50	0.184	(0.204)	0.166	0.018
101	8.42	0.50	0.184	(0.203)	0.166	0.018
102	8.50	0.50	0.184	(0.202)	0.166	0.018
103	8.58	0.53	0.197	(0.201)	0.177	0.020
104	8.67	0.53	0.197	(0.200)	0.177	0.020
105	8.75	0.53	0.197	(0.199)	0.177	0.020
106	8.83	0.57	0.209	(0.198)	0.188	0.021
107	8.92	0.57	0.209	(0.197)	0.188	0.021
108	9.00	0.57	0.209	(0.196)	0.188	0.021
109	9.08	0.63	0.234	0.195 (0.210)		0.038
110	9.17	0.63	0.234	0.195 (0.210)		0.039
111	9.25	0.63	0.234	0.194 (0.210)		0.040
112	9.33	0.67	0.246	0.193 (0.221)		0.053
113	9.42	0.67	0.246	0.192 (0.221)		0.054
114	9.50	0.67	0.246	0.191 (0.221)		0.055
115	9.58	0.70	0.258	0.190 (0.232)		0.068
116	9.67	0.70	0.258	0.189 (0.232)		0.069
117	9.75	0.70	0.258	0.188 (0.232)		0.070
118	9.83	0.73	0.270	0.187 (0.243)		0.083
119	9.92	0.73	0.270	0.186 (0.243)		0.084
120	10.00	0.73	0.270	0.185 (0.243)		0.085
121	10.08	0.50	0.184	(0.185)	0.166	0.018
122	10.17	0.50	0.184	(0.184)	0.166	0.018
123	10.25	0.50	0.184	(0.183)	0.166	0.018
124	10.33	0.50	0.184	(0.182)	0.166	0.018
125	10.42	0.50	0.184	(0.181)	0.166	0.018
126	10.50	0.50	0.184	(0.180)	0.166	0.018
127	10.58	0.67	0.246	0.179 (0.221)		0.067
128	10.67	0.67	0.246	0.178 (0.221)		0.068
129	10.75	0.67	0.246	0.177 (0.221)		0.068
130	10.83	0.67	0.246	0.177 (0.221)		0.069
131	10.92	0.67	0.246	0.176 (0.221)		0.070
132	11.00	0.67	0.246	0.175 (0.221)		0.071
133	11.08	0.63	0.234	0.174 (0.210)		0.060
134	11.17	0.63	0.234	0.173 (0.210)		0.060
135	11.25	0.63	0.234	0.172 (0.210)		0.061
136	11.33	0.63	0.234	0.171 (0.210)		0.062
137	11.42	0.63	0.234	0.171 (0.210)		0.063
138	11.50	0.63	0.234	0.170 (0.210)		0.064
139	11.58	0.57	0.209	0.169 (0.188)		0.040
140	11.67	0.57	0.209	0.168 (0.188)		0.041
141	11.75	0.57	0.209	0.167 (0.188)		0.042
142	11.83	0.60	0.221	0.166 (0.199)		0.055
143	11.92	0.60	0.221	0.166 (0.199)		0.056
144	12.00	0.60	0.221	0.165 (0.199)		0.057

145	12.08	0.83	0.307	0.164	(0.277)	0.143
146	12.17	0.83	0.307	0.163	(0.277)	0.144
147	12.25	0.83	0.307	0.162	(0.277)	0.145
148	12.33	0.87	0.320	0.161	(0.288)	0.158
149	12.42	0.87	0.320	0.161	(0.288)	0.159
150	12.50	0.87	0.320	0.160	(0.288)	0.160
151	12.58	0.93	0.344	0.159	(0.310)	0.185
152	12.67	0.93	0.344	0.158	(0.310)	0.186
153	12.75	0.93	0.344	0.157	(0.310)	0.187
154	12.83	0.97	0.357	0.157	(0.321)	0.200
155	12.92	0.97	0.357	0.156	(0.321)	0.201
156	13.00	0.97	0.357	0.155	(0.321)	0.201
157	13.08	1.13	0.418	0.154	(0.376)	0.264
158	13.17	1.13	0.418	0.154	(0.376)	0.265
159	13.25	1.13	0.418	0.153	(0.376)	0.265
160	13.33	1.13	0.418	0.152	(0.376)	0.266
161	13.42	1.13	0.418	0.151	(0.376)	0.267
162	13.50	1.13	0.418	0.150	(0.376)	0.268
163	13.58	0.77	0.283	0.150	(0.255)	0.133
164	13.67	0.77	0.283	0.149	(0.255)	0.134
165	13.75	0.77	0.283	0.148	(0.255)	0.135
166	13.83	0.77	0.283	0.147	(0.255)	0.135
167	13.92	0.77	0.283	0.147	(0.255)	0.136
168	14.00	0.77	0.283	0.146	(0.255)	0.137
169	14.08	0.90	0.332	0.145	(0.299)	0.187
170	14.17	0.90	0.332	0.144	(0.299)	0.188
171	14.25	0.90	0.332	0.144	(0.299)	0.188
172	14.33	0.87	0.320	0.143	(0.288)	0.177
173	14.42	0.87	0.320	0.142	(0.288)	0.177
174	14.50	0.87	0.320	0.141	(0.288)	0.178
175	14.58	0.87	0.320	0.141	(0.288)	0.179
176	14.67	0.87	0.320	0.140	(0.288)	0.180
177	14.75	0.87	0.320	0.139	(0.288)	0.180
178	14.83	0.83	0.307	0.139	(0.277)	0.169
179	14.92	0.83	0.307	0.138	(0.277)	0.170
180	15.00	0.83	0.307	0.137	(0.277)	0.170
181	15.08	0.80	0.295	0.136	(0.266)	0.159
182	15.17	0.80	0.295	0.136	(0.266)	0.159
183	15.25	0.80	0.295	0.135	(0.266)	0.160
184	15.33	0.77	0.283	0.134	(0.255)	0.148
185	15.42	0.77	0.283	0.134	(0.255)	0.149
186	15.50	0.77	0.283	0.133	(0.255)	0.150
187	15.58	0.63	0.234	0.132	(0.210)	0.101
188	15.67	0.63	0.234	0.132	(0.210)	0.102
189	15.75	0.63	0.234	0.131	(0.210)	0.103
190	15.83	0.63	0.234	0.130	(0.210)	0.103
191	15.92	0.63	0.234	0.130	(0.210)	0.104
192	16.00	0.63	0.234	0.129	(0.210)	0.105
193	16.08	0.13	0.049	(0.128)	0.044	0.005
194	16.17	0.13	0.049	(0.128)	0.044	0.005

195	16.25	0.13	0.049	(0.127)	0.044	0.005
196	16.33	0.13	0.049	(0.126)	0.044	0.005
197	16.42	0.13	0.049	(0.126)	0.044	0.005
198	16.50	0.13	0.049	(0.125)	0.044	0.005
199	16.58	0.10	0.037	(0.124)	0.033	0.004
200	16.67	0.10	0.037	(0.124)	0.033	0.004
201	16.75	0.10	0.037	(0.123)	0.033	0.004
202	16.83	0.10	0.037	(0.123)	0.033	0.004
203	16.92	0.10	0.037	(0.122)	0.033	0.004
204	17.00	0.10	0.037	(0.121)	0.033	0.004
205	17.08	0.17	0.061	(0.121)	0.055	0.006
206	17.17	0.17	0.061	(0.120)	0.055	0.006
207	17.25	0.17	0.061	(0.119)	0.055	0.006
208	17.33	0.17	0.061	(0.119)	0.055	0.006
209	17.42	0.17	0.061	(0.118)	0.055	0.006
210	17.50	0.17	0.061	(0.118)	0.055	0.006
211	17.58	0.17	0.061	(0.117)	0.055	0.006
212	17.67	0.17	0.061	(0.117)	0.055	0.006
213	17.75	0.17	0.061	(0.116)	0.055	0.006
214	17.83	0.13	0.049	(0.115)	0.044	0.005
215	17.92	0.13	0.049	(0.115)	0.044	0.005
216	18.00	0.13	0.049	(0.114)	0.044	0.005
217	18.08	0.13	0.049	(0.114)	0.044	0.005
218	18.17	0.13	0.049	(0.113)	0.044	0.005
219	18.25	0.13	0.049	(0.113)	0.044	0.005
220	18.33	0.13	0.049	(0.112)	0.044	0.005
221	18.42	0.13	0.049	(0.111)	0.044	0.005
222	18.50	0.13	0.049	(0.111)	0.044	0.005
223	18.58	0.10	0.037	(0.110)	0.033	0.004
224	18.67	0.10	0.037	(0.110)	0.033	0.004
225	18.75	0.10	0.037	(0.109)	0.033	0.004
226	18.83	0.07	0.025	(0.109)	0.022	0.002
227	18.92	0.07	0.025	(0.108)	0.022	0.002
228	19.00	0.07	0.025	(0.108)	0.022	0.002
229	19.08	0.10	0.037	(0.107)	0.033	0.004
230	19.17	0.10	0.037	(0.107)	0.033	0.004
231	19.25	0.10	0.037	(0.106)	0.033	0.004
232	19.33	0.13	0.049	(0.106)	0.044	0.005
233	19.42	0.13	0.049	(0.105)	0.044	0.005
234	19.50	0.13	0.049	(0.105)	0.044	0.005
235	19.58	0.10	0.037	(0.104)	0.033	0.004
236	19.67	0.10	0.037	(0.104)	0.033	0.004
237	19.75	0.10	0.037	(0.103)	0.033	0.004
238	19.83	0.07	0.025	(0.103)	0.022	0.002
239	19.92	0.07	0.025	(0.102)	0.022	0.002
240	20.00	0.07	0.025	(0.102)	0.022	0.002
241	20.08	0.10	0.037	(0.102)	0.033	0.004
242	20.17	0.10	0.037	(0.101)	0.033	0.004
243	20.25	0.10	0.037	(0.101)	0.033	0.004
244	20.33	0.10	0.037	(0.100)	0.033	0.004

245	20.42	0.10	0.037	(0.100)	0.033	0.004
246	20.50	0.10	0.037	(0.099)	0.033	0.004
247	20.58	0.10	0.037	(0.099)	0.033	0.004
248	20.67	0.10	0.037	(0.099)	0.033	0.004
249	20.75	0.10	0.037	(0.098)	0.033	0.004
250	20.83	0.07	0.025	(0.098)	0.022	0.002
251	20.92	0.07	0.025	(0.097)	0.022	0.002
252	21.00	0.07	0.025	(0.097)	0.022	0.002
253	21.08	0.10	0.037	(0.097)	0.033	0.004
254	21.17	0.10	0.037	(0.096)	0.033	0.004
255	21.25	0.10	0.037	(0.096)	0.033	0.004
256	21.33	0.07	0.025	(0.095)	0.022	0.002
257	21.42	0.07	0.025	(0.095)	0.022	0.002
258	21.50	0.07	0.025	(0.095)	0.022	0.002
259	21.58	0.10	0.037	(0.094)	0.033	0.004
260	21.67	0.10	0.037	(0.094)	0.033	0.004
261	21.75	0.10	0.037	(0.094)	0.033	0.004
262	21.83	0.07	0.025	(0.093)	0.022	0.002
263	21.92	0.07	0.025	(0.093)	0.022	0.002
264	22.00	0.07	0.025	(0.093)	0.022	0.002
265	22.08	0.10	0.037	(0.092)	0.033	0.004
266	22.17	0.10	0.037	(0.092)	0.033	0.004
267	22.25	0.10	0.037	(0.092)	0.033	0.004
268	22.33	0.07	0.025	(0.092)	0.022	0.002
269	22.42	0.07	0.025	(0.091)	0.022	0.002
270	22.50	0.07	0.025	(0.091)	0.022	0.002
271	22.58	0.07	0.025	(0.091)	0.022	0.002
272	22.67	0.07	0.025	(0.090)	0.022	0.002
273	22.75	0.07	0.025	(0.090)	0.022	0.002
274	22.83	0.07	0.025	(0.090)	0.022	0.002
275	22.92	0.07	0.025	(0.090)	0.022	0.002
276	23.00	0.07	0.025	(0.090)	0.022	0.002
277	23.08	0.07	0.025	(0.089)	0.022	0.002
278	23.17	0.07	0.025	(0.089)	0.022	0.002
279	23.25	0.07	0.025	(0.089)	0.022	0.002
280	23.33	0.07	0.025	(0.089)	0.022	0.002
281	23.42	0.07	0.025	(0.089)	0.022	0.002
282	23.50	0.07	0.025	(0.088)	0.022	0.002
283	23.58	0.07	0.025	(0.088)	0.022	0.002
284	23.67	0.07	0.025	(0.088)	0.022	0.002
285	23.75	0.07	0.025	(0.088)	0.022	0.002
286	23.83	0.07	0.025	(0.088)	0.022	0.002
287	23.92	0.07	0.025	(0.088)	0.022	0.002
288	24.00	0.07	0.025	(0.088)	0.022	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 11.4

Flood volume = Effective rainfall 0.95(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 2.12(In)

Total soil loss = 0.398(Ac.Ft)

Total rainfall = 3.07(In)
 Flood volume = 7777.0 Cubic Feet
 Total soil loss = 17327.4 Cubic Feet

 Peak flow rate of this hydrograph = 0.606(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.01	Q				
0+20	0.0001	0.01	Q				
0+25	0.0002	0.01	Q				
0+30	0.0002	0.01	Q				
0+35	0.0003	0.01	Q				
0+40	0.0004	0.01	Q				
0+45	0.0004	0.01	Q				
0+50	0.0005	0.01	Q				
0+55	0.0005	0.01	Q				
1+ 0	0.0006	0.01	Q				
1+ 5	0.0007	0.01	Q				
1+10	0.0008	0.01	Q				
1+15	0.0008	0.01	Q				
1+20	0.0009	0.01	Q				
1+25	0.0009	0.01	Q				
1+30	0.0010	0.01	Q				
1+35	0.0010	0.01	Q				
1+40	0.0011	0.01	Q				
1+45	0.0012	0.01	Q				
1+50	0.0012	0.01	Q				
1+55	0.0013	0.01	Q				
2+ 0	0.0014	0.01	Q				
2+ 5	0.0014	0.01	Q				
2+10	0.0015	0.01	Q				
2+15	0.0016	0.01	Q				
2+20	0.0017	0.01	Q				
2+25	0.0018	0.01	Q				
2+30	0.0018	0.01	Q				
2+35	0.0019	0.01	Q				
2+40	0.0020	0.01	Q				
2+45	0.0021	0.01	Q				
2+50	0.0022	0.01	Q				
2+55	0.0023	0.01	Q				

3+ 0	0.0024	0.01	Q
3+ 5	0.0025	0.01	Q
3+10	0.0026	0.01	Q
3+15	0.0027	0.01	Q
3+20	0.0028	0.01	Q
3+25	0.0029	0.01	Q
3+30	0.0030	0.01	Q
3+35	0.0031	0.01	Q
3+40	0.0032	0.01	Q
3+45	0.0033	0.01	Q
3+50	0.0034	0.01	Q
3+55	0.0035	0.02	Q
4+ 0	0.0036	0.02	Q
4+ 5	0.0037	0.02	Q
4+10	0.0038	0.02	Q
4+15	0.0039	0.02	Q
4+20	0.0041	0.02	Q
4+25	0.0042	0.02	Q
4+30	0.0043	0.02	Q
4+35	0.0044	0.02	Q
4+40	0.0046	0.02	QV
4+45	0.0047	0.02	QV
4+50	0.0049	0.02	QV
4+55	0.0050	0.02	QV
5+ 0	0.0052	0.02	QV
5+ 5	0.0053	0.02	QV
5+10	0.0054	0.02	QV
5+15	0.0055	0.02	QV
5+20	0.0057	0.02	QV
5+25	0.0058	0.02	QV
5+30	0.0059	0.02	QV
5+35	0.0061	0.02	QV
5+40	0.0062	0.02	QV
5+45	0.0064	0.02	QV
5+50	0.0065	0.02	QV
5+55	0.0067	0.02	QV
6+ 0	0.0068	0.02	QV
6+ 5	0.0070	0.02	QV
6+10	0.0072	0.02	QV
6+15	0.0073	0.02	QV
6+20	0.0075	0.03	QV
6+25	0.0077	0.03	QV
6+30	0.0079	0.03	QV
6+35	0.0080	0.03	QV
6+40	0.0082	0.03	QV
6+45	0.0084	0.03	QV
6+50	0.0086	0.03	QV
6+55	0.0088	0.03	QV
7+ 0	0.0090	0.03	Q V
7+ 5	0.0092	0.03	Q V

7+10	0.0094	0.03	Q	V				
7+15	0.0096	0.03	Q	V				
7+20	0.0098	0.03	Q	V				
7+25	0.0100	0.03	Q	V				
7+30	0.0102	0.03	Q	V				
7+35	0.0104	0.03	Q	V				
7+40	0.0106	0.03	Q	V				
7+45	0.0109	0.03	Q	V				
7+50	0.0111	0.03	Q	V				
7+55	0.0113	0.04	Q	V				
8+ 0	0.0116	0.04	Q	V				
8+ 5	0.0118	0.04	Q	V				
8+10	0.0121	0.04	Q	V				
8+15	0.0124	0.04	Q	V				
8+20	0.0127	0.04	Q	V				
8+25	0.0130	0.04	Q	V				
8+30	0.0133	0.04	Q	V				
8+35	0.0136	0.04	Q	V				
8+40	0.0139	0.04	Q	V				
8+45	0.0142	0.04	Q	V				
8+50	0.0145	0.05	Q	V				
8+55	0.0148	0.05	Q	V				
9+ 0	0.0151	0.05	Q	V				
9+ 5	0.0156	0.06	Q	V				
9+10	0.0161	0.08	Q	V				
9+15	0.0167	0.09	Q	V				
9+20	0.0174	0.10	Q	V				
9+25	0.0182	0.12	Q	V				
9+30	0.0190	0.12	Q	V				
9+35	0.0200	0.13	Q	V				
9+40	0.0210	0.15	Q	V				
9+45	0.0221	0.15	Q	V				
9+50	0.0232	0.17	Q	V				
9+55	0.0245	0.18	Q	V				
10+ 0	0.0258	0.19	Q	V				
10+ 5	0.0267	0.14	Q	V				
10+10	0.0272	0.07	Q	V				
10+15	0.0276	0.05	Q	V				
10+20	0.0279	0.05	Q	V				
10+25	0.0282	0.04	Q	V				
10+30	0.0285	0.04	Q	V				
10+35	0.0290	0.08	Q	V				
10+40	0.0299	0.13	Q	V				
10+45	0.0309	0.15	Q	V				
10+50	0.0320	0.15	Q	V				
10+55	0.0331	0.16	Q	V				
11+ 0	0.0342	0.16	Q	V				
11+ 5	0.0352	0.15	Q	V				
11+10	0.0362	0.14	Q	V				
11+15	0.0371	0.14	Q	V				

11+20	0.0381	0.14	Q	V				
11+25	0.0391	0.14	Q	V				
11+30	0.0401	0.14	Q	V				
11+35	0.0409	0.12	Q	V				
11+40	0.0416	0.10	Q	V				
11+45	0.0423	0.10	Q	V				
11+50	0.0430	0.11	Q	V				
11+55	0.0438	0.12	Q	V				
12+ 0	0.0447	0.12	Q	V				
12+ 5	0.0461	0.20	Q	V				
12+10	0.0481	0.29	Q	V				
12+15	0.0502	0.31	Q	V				
12+20	0.0525	0.33	Q	V				
12+25	0.0550	0.35	Q	V				
12+30	0.0574	0.36	Q	V				
12+35	0.0601	0.38	Q	V				
12+40	0.0629	0.41	Q	V				
12+45	0.0658	0.42	Q	V				
12+50	0.0687	0.43	Q	V				
12+55	0.0718	0.45	Q	V				
13+ 0	0.0750	0.45	Q	V				
13+ 5	0.0784	0.51	Q	V				
13+10	0.0824	0.57	Q	V				
13+15	0.0865	0.59	Q	V				
13+20	0.0906	0.60	Q	V				
13+25	0.0947	0.60	Q	V				
13+30	0.0989	0.61	Q	V				
13+35	0.1023	0.50	Q	V				
13+40	0.1048	0.36	Q	V				
13+45	0.1070	0.33	Q	V				
13+50	0.1092	0.31	Q	V				
13+55	0.1113	0.31	Q	V				
14+ 0	0.1134	0.31	Q	V				
14+ 5	0.1159	0.35	Q	V				
14+10	0.1186	0.40	Q	V				
14+15	0.1215	0.42	Q	V				
14+20	0.1244	0.41	Q	V				
14+25	0.1272	0.41	Q	V				
14+30	0.1300	0.40	Q	V				
14+35	0.1328	0.41	Q	V				
14+40	0.1355	0.41	Q	V				
14+45	0.1384	0.41	Q	V				
14+50	0.1411	0.40	Q	V				
14+55	0.1438	0.39	Q	V				
15+ 0	0.1464	0.39	Q	V				
15+ 5	0.1490	0.38	Q	V				
15+10	0.1516	0.36	Q	V				
15+15	0.1541	0.36	Q	V				
15+20	0.1565	0.35	Q	V				
15+25	0.1588	0.34	Q	V				

15+30	0.1612	0.34	Q				V
15+35	0.1633	0.30	Q				V
15+40	0.1650	0.25	Q				V
15+45	0.1666	0.24	Q				V
15+50	0.1683	0.24	Q				V
15+55	0.1699	0.23	Q				V
16+ 0	0.1715	0.24	Q				V
16+ 5	0.1726	0.16	Q				V
16+10	0.1729	0.05	Q				V
16+15	0.1731	0.03	Q				V
16+20	0.1732	0.02	Q				V
16+25	0.1733	0.01	Q				V
16+30	0.1734	0.01	Q				V
16+35	0.1735	0.01	Q				V
16+40	0.1735	0.01	Q				V
16+45	0.1736	0.01	Q				V
16+50	0.1736	0.01	Q				V
16+55	0.1737	0.01	Q				V
17+ 0	0.1738	0.01	Q				V
17+ 5	0.1738	0.01	Q				V
17+10	0.1739	0.01	Q				V
17+15	0.1740	0.01	Q				V
17+20	0.1741	0.01	Q				V
17+25	0.1742	0.01	Q				V
17+30	0.1743	0.01	Q				V
17+35	0.1744	0.01	Q				V
17+40	0.1745	0.01	Q				V
17+45	0.1746	0.01	Q				V
17+50	0.1747	0.01	Q				V
17+55	0.1748	0.01	Q				V
18+ 0	0.1748	0.01	Q				V
18+ 5	0.1749	0.01	Q				V
18+10	0.1750	0.01	Q				V
18+15	0.1751	0.01	Q				V
18+20	0.1751	0.01	Q				V
18+25	0.1752	0.01	Q				V
18+30	0.1753	0.01	Q				V
18+35	0.1754	0.01	Q				V
18+40	0.1754	0.01	Q				V
18+45	0.1755	0.01	Q				V
18+50	0.1755	0.01	Q				V
18+55	0.1756	0.01	Q				V
19+ 0	0.1756	0.01	Q				V
19+ 5	0.1757	0.01	Q				V
19+10	0.1757	0.01	Q				V
19+15	0.1758	0.01	Q				V
19+20	0.1758	0.01	Q				V
19+25	0.1759	0.01	Q				V
19+30	0.1760	0.01	Q				V
19+35	0.1761	0.01	Q				V

19+40	0.1761	0.01	Q				V
19+45	0.1762	0.01	Q				V
19+50	0.1762	0.01	Q				V
19+55	0.1763	0.01	Q				V
20+ 0	0.1763	0.01	Q				V
20+ 5	0.1764	0.01	Q				V
20+10	0.1764	0.01	Q				V
20+15	0.1765	0.01	Q				V
20+20	0.1765	0.01	Q				V
20+25	0.1766	0.01	Q				V
20+30	0.1766	0.01	Q				V
20+35	0.1767	0.01	Q				V
20+40	0.1768	0.01	Q				V
20+45	0.1768	0.01	Q				V
20+50	0.1769	0.01	Q				V
20+55	0.1769	0.01	Q				V
21+ 0	0.1769	0.01	Q				V
21+ 5	0.1770	0.01	Q				V
21+10	0.1770	0.01	Q				V
21+15	0.1771	0.01	Q				V
21+20	0.1772	0.01	Q				V
21+25	0.1772	0.01	Q				V
21+30	0.1772	0.01	Q				V
21+35	0.1773	0.01	Q				V
21+40	0.1773	0.01	Q				V
21+45	0.1774	0.01	Q				V
21+50	0.1774	0.01	Q				V
21+55	0.1775	0.01	Q				V
22+ 0	0.1775	0.01	Q				V
22+ 5	0.1776	0.01	Q				V
22+10	0.1776	0.01	Q				V
22+15	0.1777	0.01	Q				V
22+20	0.1777	0.01	Q				V
22+25	0.1778	0.01	Q				V
22+30	0.1778	0.01	Q				V
22+35	0.1778	0.01	Q				V
22+40	0.1779	0.01	Q				V
22+45	0.1779	0.01	Q				V
22+50	0.1780	0.01	Q				V
22+55	0.1780	0.01	Q				V
23+ 0	0.1780	0.01	Q				V
23+ 5	0.1781	0.01	Q				V
23+10	0.1781	0.01	Q				V
23+15	0.1782	0.01	Q				V
23+20	0.1782	0.01	Q				V
23+25	0.1782	0.01	Q				V
23+30	0.1783	0.01	Q				V
23+35	0.1783	0.01	Q				V
23+40	0.1783	0.01	Q				V
23+45	0.1784	0.01	Q				V

23+50	0.1784	0.01	Q				V
23+55	0.1785	0.01	Q				V
24+ 0	0.1785	0.01	Q				V
24+ 5	0.1785	0.00	Q				V
24+10	0.1785	0.00	Q				V
24+15	0.1785	0.00	Q				V
24+20	0.1785	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda2610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 10 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.13	2.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	2.65	5.96

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.176)	0.095	0.011
2	0.17	0.60	0.126	(0.176)	0.114	0.013
3	0.25	0.60	0.126	(0.176)	0.114	0.013
4	0.33	0.60	0.126	(0.176)	0.114	0.013
5	0.42	0.60	0.126	(0.176)	0.114	0.013
6	0.50	0.70	0.147	(0.176)	0.133	0.015
7	0.58	0.70	0.147	(0.176)	0.133	0.015
8	0.67	0.70	0.147	(0.176)	0.133	0.015
9	0.75	0.70	0.147	(0.176)	0.133	0.015
10	0.83	0.70	0.147	(0.176)	0.133	0.015
11	0.92	0.70	0.147	(0.176)	0.133	0.015
12	1.00	0.80	0.169	(0.176)	0.152	0.017
13	1.08	0.80	0.169	(0.176)	0.152	0.017
14	1.17	0.80	0.169	(0.176)	0.152	0.017
15	1.25	0.80	0.169	(0.176)	0.152	0.017
16	1.33	0.80	0.169	(0.176)	0.152	0.017
17	1.42	0.80	0.169	(0.176)	0.152	0.017
18	1.50	0.80	0.169	(0.176)	0.152	0.017
19	1.58	0.80	0.169	(0.176)	0.152	0.017
20	1.67	0.80	0.169	(0.176)	0.152	0.017
21	1.75	0.80	0.169	(0.176)	0.152	0.017
22	1.83	0.80	0.169	(0.176)	0.152	0.017
23	1.92	0.80	0.169	(0.176)	0.152	0.017
24	2.00	0.90	0.190	(0.176)	0.171	0.019
25	2.08	0.80	0.169	(0.176)	0.152	0.017
26	2.17	0.90	0.190	(0.176)	0.171	0.019
27	2.25	0.90	0.190	(0.176)	0.171	0.019
28	2.33	0.90	0.190	(0.176)	0.171	0.019
29	2.42	0.90	0.190	(0.176)	0.171	0.019
30	2.50	0.90	0.190	(0.176)	0.171	0.019
31	2.58	0.90	0.190	(0.176)	0.171	0.019
32	2.67	0.90	0.190	(0.176)	0.171	0.019
33	2.75	1.00	0.211	0.176	(0.190)	0.035
34	2.83	1.00	0.211	0.176	(0.190)	0.035
35	2.92	1.00	0.211	0.176	(0.190)	0.035
36	3.00	1.00	0.211	0.176	(0.190)	0.035
37	3.08	1.00	0.211	0.176	(0.190)	0.035
38	3.17	1.10	0.232	0.176	(0.209)	0.056
39	3.25	1.10	0.232	0.176	(0.209)	0.056
40	3.33	1.10	0.232	0.176	(0.209)	0.056
41	3.42	1.20	0.253	0.176	(0.227)	0.077
42	3.50	1.30	0.274	0.176	(0.246)	0.098
43	3.58	1.40	0.295	0.176	(0.265)	0.119
44	3.67	1.40	0.295	0.176	(0.265)	0.119

45	3.75	1.50	0.316	0.176	(0.284)	0.140
46	3.83	1.50	0.316	0.176	(0.284)	0.140
47	3.92	1.60	0.337	0.176	(0.303)	0.161
48	4.00	1.60	0.337	0.176	(0.303)	0.161
49	4.08	1.70	0.358	0.176	(0.322)	0.182
50	4.17	1.80	0.379	0.176	(0.341)	0.204
51	4.25	1.90	0.400	0.176	(0.360)	0.225
52	4.33	2.00	0.421	0.176	(0.379)	0.246
53	4.42	2.10	0.442	0.176	(0.398)	0.267
54	4.50	2.10	0.442	0.176	(0.398)	0.267
55	4.58	2.20	0.463	0.176	(0.417)	0.288
56	4.67	2.30	0.484	0.176	(0.436)	0.309
57	4.75	2.40	0.506	0.176	(0.455)	0.330
58	4.83	2.40	0.506	0.176	(0.455)	0.330
59	4.92	2.50	0.527	0.176	(0.474)	0.351
60	5.00	2.60	0.548	0.176	(0.493)	0.372
61	5.08	3.10	0.653	0.176	(0.588)	0.477
62	5.17	3.60	0.758	0.176	(0.682)	0.583
63	5.25	3.90	0.821	0.176	(0.739)	0.646
64	5.33	4.20	0.885	0.176	(0.796)	0.709
65	5.42	4.70	0.990	0.176	(0.891)	0.814
66	5.50	5.60	1.180	0.176	(1.062)	1.004
67	5.58	1.90	0.400	0.176	(0.360)	0.225
68	5.67	0.90	0.190	(0.176)	0.171	0.019
69	5.75	0.60	0.126	(0.176)	0.114	0.013
70	5.83	0.50	0.105	(0.176)	0.095	0.011
71	5.92	0.30	0.063	(0.176)	0.057	0.006
72	6.00	0.20	0.042	(0.176)	0.038	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.8

Flood volume = Effective rainfall 0.81(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.94(In)
Total soil loss = 0.177(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 6643.9 Cubic Feet
Total soil loss = 7692.7 Cubic Feet

Peak flow rate of this hydrograph = 1.945(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				

0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.03	Q				
0+25	0.0008	0.03	Q				
0+30	0.0010	0.03	Q				
0+35	0.0012	0.03	Q				
0+40	0.0014	0.03	Q				
0+45	0.0017	0.03	Q				
0+50	0.0019	0.03	Q				
0+55	0.0021	0.03	Q				
1+ 0	0.0024	0.04	Q				
1+ 5	0.0026	0.04	Q				
1+10	0.0029	0.04	Q				
1+15	0.0031	0.04	Q				
1+20	0.0034	0.04	Q				
1+25	0.0037	0.04	Q				
1+30	0.0039	0.04	QV				
1+35	0.0042	0.04	QV				
1+40	0.0045	0.04	QV				
1+45	0.0047	0.04	QV				
1+50	0.0050	0.04	QV				
1+55	0.0053	0.04	QV				
2+ 0	0.0055	0.04	QV				
2+ 5	0.0058	0.04	QV				
2+10	0.0061	0.04	QV				
2+15	0.0064	0.04	QV				
2+20	0.0067	0.04	QV				
2+25	0.0070	0.04	QV				
2+30	0.0073	0.04	QV				
2+35	0.0076	0.04	QV				
2+40	0.0079	0.04	Q V				
2+45	0.0082	0.06	Q V				
2+50	0.0087	0.07	Q V				
2+55	0.0093	0.08	Q V				
3+ 0	0.0098	0.08	Q V				
3+ 5	0.0104	0.08	Q V				
3+10	0.0110	0.10	Q V				
3+15	0.0118	0.12	Q V				
3+20	0.0127	0.12	Q V				
3+25	0.0137	0.14	Q V				
3+30	0.0150	0.18	Q V				
3+35	0.0165	0.23	Q V				
3+40	0.0183	0.26	Q V				
3+45	0.0202	0.28	Q V				
3+50	0.0224	0.31	Q V				
3+55	0.0247	0.33	Q V				
4+ 0	0.0271	0.36	Q V				
4+ 5	0.0297	0.38	Q V				
4+10	0.0326	0.42	Q V				
4+15	0.0358	0.47	Q V				

4+20	0.0394	0.51	Q	V				
4+25	0.0432	0.56	Q	V				
4+30	0.0473	0.59	Q	V				
4+35	0.0516	0.62	Q	V				
4+40	0.0561	0.66	Q	V				
4+45	0.0610	0.71	Q	V				
4+50	0.0660	0.74	Q	V				
4+55	0.0713	0.76	Q	V				
5+ 0	0.0768	0.80	Q		V			
5+ 5	0.0831	0.92	Q		V			
5+10	0.0909	1.12	Q		V			
5+15	0.0999	1.31	Q			V		
5+20	0.1100	1.47	Q			V		
5+25	0.1214	1.65	Q			V		
5+30	0.1348	1.95	Q				V	
5+35	0.1454	1.54	Q				V	
5+40	0.1497	0.62	Q					V
5+45	0.1513	0.24	Q					V
5+50	0.1521	0.11	Q					V
5+55	0.1523	0.04	Q					V
6+ 0	0.1524	0.02	Q					V
6+ 5	0.1525	0.01	Q					V
6+10	0.1525	0.00	Q					V
6+15	0.1525	0.00	Q					V
6+20	0.1525	0.00	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda2310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 10 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.82	1.84

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.96	4.41

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum =		100.000	Sum=
			2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	0.176	(0.181)	0.025
2	0.17	1.30	0.201	0.176	(0.181)	0.025
3	0.25	1.10	0.170	(0.176)	0.153	0.017
4	0.33	1.50	0.232	0.176	(0.209)	0.056
5	0.42	1.50	0.232	0.176	(0.209)	0.056
6	0.50	1.80	0.278	0.176	(0.250)	0.102
7	0.58	1.50	0.232	0.176	(0.209)	0.056
8	0.67	1.80	0.278	0.176	(0.250)	0.102
9	0.75	1.80	0.278	0.176	(0.250)	0.102
10	0.83	1.50	0.232	0.176	(0.209)	0.056
11	0.92	1.60	0.247	0.176	(0.222)	0.072
12	1.00	1.80	0.278	0.176	(0.250)	0.102
13	1.08	2.20	0.340	0.176	(0.306)	0.164
14	1.17	2.20	0.340	0.176	(0.306)	0.164
15	1.25	2.20	0.340	0.176	(0.306)	0.164
16	1.33	2.00	0.309	0.176	(0.278)	0.133
17	1.42	2.60	0.402	0.176	(0.361)	0.226
18	1.50	2.70	0.417	0.176	(0.375)	0.241
19	1.58	2.40	0.371	0.176	(0.334)	0.195
20	1.67	2.70	0.417	0.176	(0.375)	0.241
21	1.75	3.30	0.510	0.176	(0.459)	0.334
22	1.83	3.10	0.479	0.176	(0.431)	0.303
23	1.92	2.90	0.448	0.176	(0.403)	0.272
24	2.00	3.00	0.463	0.176	(0.417)	0.288
25	2.08	3.10	0.479	0.176	(0.431)	0.303
26	2.17	4.20	0.649	0.176	(0.584)	0.473
27	2.25	5.00	0.772	0.176	(0.695)	0.597
28	2.33	3.50	0.541	0.176	(0.487)	0.365
29	2.42	6.80	1.050	0.176	(0.945)	0.875
30	2.50	7.30	1.128	0.176	(1.015)	0.952
31	2.58	8.20	1.267	0.176	(1.140)	1.091
32	2.67	5.90	0.911	0.176	(0.820)	0.736
33	2.75	2.00	0.309	0.176	(0.278)	0.133
34	2.83	1.80	0.278	0.176	(0.250)	0.102
35	2.92	1.80	0.278	0.176	(0.250)	0.102
36	3.00	0.60	0.093	(0.176)	0.083	0.009

(Loss Rate Not Used)

Sum = 100.0

Sum = 9.2

Flood volume = Effective rainfall 0.77(In)

times area 2.3(Ac.)/[(In)/(Ft.)) = 0.1(Ac.Ft)

Total soil loss = 0.52(In)

Total soil loss = 0.097(Ac.Ft)

Total rainfall = 1.29(In)

Flood volume = 6289.0 Cubic Feet

Total soil loss = 4224.5 Cubic Feet

Peak flow rate of this hydrograph = 2.172(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0005	0.05	Q				
0+15	0.0008	0.05	Q				
0+20	0.0013	0.07	Q				
0+25	0.0021	0.11	Q				
0+30	0.0032	0.16	Q				
0+35	0.0043	0.17	QV				
0+40	0.0056	0.18	QV				
0+45	0.0071	0.22	QV				
0+50	0.0084	0.19	Q V				
0+55	0.0094	0.16	Q V				
1+ 0	0.0107	0.19	Q V				
1+ 5	0.0126	0.27	Q V				
1+10	0.0150	0.34	Q V				
1+15	0.0174	0.36	Q V				
1+20	0.0198	0.34	Q V				
1+25	0.0225	0.39	Q V				
1+30	0.0259	0.49	Q V				
1+35	0.0293	0.49	Q V				
1+40	0.0327	0.49	Q V				
1+45	0.0369	0.61	Q V				
1+50	0.0416	0.69	Q V				
1+55	0.0461	0.66	Q V				
2+ 0	0.0506	0.64	Q V				
2+ 5	0.0552	0.67	Q V				
2+10	0.0608	0.82	Q V				
2+15	0.0684	1.10	Q V				
2+20	0.0759	1.08	Q V				
2+25	0.0849	1.31	Q V				
2+30	0.0978	1.87	Q V				
2+35	0.1127	2.17	Q V				
2+40	0.1271	2.08	Q V				
2+45	0.1360	1.29	Q V				
2+50	0.1399	0.57	Q V				
2+55	0.1424	0.37	Q V				
3+ 0	0.1438	0.20	Q V				
3+ 5	0.1442	0.05	Q V				

3+10	0.1443	0.02	Q				V
3+15	0.1444	0.01	Q				V
3+20	0.1444	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda2110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 10 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.47	1.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.24	2.79

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	0.176	(0.356)	0.220
2	0.17	4.30	0.405	0.176	(0.365)	0.230
3	0.25	5.00	0.471	0.176	(0.424)	0.296
4	0.33	5.00	0.471	0.176	(0.424)	0.296
5	0.42	5.80	0.547	0.176	(0.492)	0.371
6	0.50	6.50	0.613	0.176	(0.551)	0.437
7	0.58	7.40	0.698	0.176	(0.628)	0.522
8	0.67	8.60	0.811	0.176	(0.730)	0.635
9	0.75	12.30	1.160	0.176	(1.044)	0.984
10	0.83	29.10	2.743	0.176	(2.469)	2.568
11	0.92	6.80	0.641	0.176	(0.577)	0.465
12	1.00	5.00	0.471	0.176	(0.424)	0.296

(Loss Rate Not Used)

Sum = 100.0 Sum = 7.3

Flood volume = Effective rainfall 0.61(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.18(In)
Total soil loss = 0.033(Ac.Ft)
Total rainfall = 0.79(In)
Flood volume = 4982.1 Cubic Feet
Total soil loss = 1434.2 Cubic Feet

Peak flow rate of this hydrograph = 3.399(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0012	0.18	Q				
0+10	0.0041	0.42	Q				
0+15	0.0078	0.53	Q				
0+20	0.0121	0.63	Q V				
0+25	0.0171	0.72	Q V				
0+30	0.0230	0.86	Q V				
0+35	0.0301	1.02	Q V				
0+40	0.0385	1.23	Q V				
0+45	0.0500	1.66	Q V				

0+50	0.0731	3.36				Q		V			
0+55	0.0965	3.40				Q				V	
1+ 0	0.1067	1.48		Q						V	
1+ 5	0.1119	0.75		Q						V	
1+10	0.1138	0.28		Q						V	
1+15	0.1142	0.06		Q						V	
1+20	0.1144	0.02		Q						V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda2245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 5 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.93	4.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	4.71	10.60

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum =		100.000	Sum=
			2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.608)	0.019	0.002
2	0.17	0.07	0.021	(0.606)	0.019	0.002
3	0.25	0.07	0.021	(0.604)	0.019	0.002
4	0.33	0.10	0.031	(0.601)	0.028	0.003
5	0.42	0.10	0.031	(0.599)	0.028	0.003
6	0.50	0.10	0.031	(0.597)	0.028	0.003
7	0.58	0.10	0.031	(0.594)	0.028	0.003
8	0.67	0.10	0.031	(0.592)	0.028	0.003
9	0.75	0.10	0.031	(0.590)	0.028	0.003
10	0.83	0.13	0.041	(0.587)	0.037	0.004
11	0.92	0.13	0.041	(0.585)	0.037	0.004
12	1.00	0.13	0.041	(0.583)	0.037	0.004
13	1.08	0.10	0.031	(0.580)	0.028	0.003
14	1.17	0.10	0.031	(0.578)	0.028	0.003
15	1.25	0.10	0.031	(0.576)	0.028	0.003
16	1.33	0.10	0.031	(0.573)	0.028	0.003
17	1.42	0.10	0.031	(0.571)	0.028	0.003
18	1.50	0.10	0.031	(0.569)	0.028	0.003
19	1.58	0.10	0.031	(0.567)	0.028	0.003
20	1.67	0.10	0.031	(0.564)	0.028	0.003
21	1.75	0.10	0.031	(0.562)	0.028	0.003
22	1.83	0.13	0.041	(0.560)	0.037	0.004
23	1.92	0.13	0.041	(0.558)	0.037	0.004
24	2.00	0.13	0.041	(0.555)	0.037	0.004
25	2.08	0.13	0.041	(0.553)	0.037	0.004
26	2.17	0.13	0.041	(0.551)	0.037	0.004
27	2.25	0.13	0.041	(0.549)	0.037	0.004
28	2.33	0.13	0.041	(0.546)	0.037	0.004
29	2.42	0.13	0.041	(0.544)	0.037	0.004
30	2.50	0.13	0.041	(0.542)	0.037	0.004
31	2.58	0.17	0.052	(0.540)	0.046	0.005
32	2.67	0.17	0.052	(0.537)	0.046	0.005
33	2.75	0.17	0.052	(0.535)	0.046	0.005
34	2.83	0.17	0.052	(0.533)	0.046	0.005
35	2.92	0.17	0.052	(0.531)	0.046	0.005
36	3.00	0.17	0.052	(0.529)	0.046	0.005
37	3.08	0.17	0.052	(0.526)	0.046	0.005
38	3.17	0.17	0.052	(0.524)	0.046	0.005
39	3.25	0.17	0.052	(0.522)	0.046	0.005
40	3.33	0.17	0.052	(0.520)	0.046	0.005
41	3.42	0.17	0.052	(0.518)	0.046	0.005
42	3.50	0.17	0.052	(0.516)	0.046	0.005
43	3.58	0.17	0.052	(0.513)	0.046	0.005
44	3.67	0.17	0.052	(0.511)	0.046	0.005

45	3.75	0.17	0.052	(0.509)	0.046	0.005
46	3.83	0.20	0.062	(0.507)	0.056	0.006
47	3.92	0.20	0.062	(0.505)	0.056	0.006
48	4.00	0.20	0.062	(0.503)	0.056	0.006
49	4.08	0.20	0.062	(0.501)	0.056	0.006
50	4.17	0.20	0.062	(0.498)	0.056	0.006
51	4.25	0.20	0.062	(0.496)	0.056	0.006
52	4.33	0.23	0.072	(0.494)	0.065	0.007
53	4.42	0.23	0.072	(0.492)	0.065	0.007
54	4.50	0.23	0.072	(0.490)	0.065	0.007
55	4.58	0.23	0.072	(0.488)	0.065	0.007
56	4.67	0.23	0.072	(0.486)	0.065	0.007
57	4.75	0.23	0.072	(0.484)	0.065	0.007
58	4.83	0.27	0.083	(0.482)	0.074	0.008
59	4.92	0.27	0.083	(0.480)	0.074	0.008
60	5.00	0.27	0.083	(0.477)	0.074	0.008
61	5.08	0.20	0.062	(0.475)	0.056	0.006
62	5.17	0.20	0.062	(0.473)	0.056	0.006
63	5.25	0.20	0.062	(0.471)	0.056	0.006
64	5.33	0.23	0.072	(0.469)	0.065	0.007
65	5.42	0.23	0.072	(0.467)	0.065	0.007
66	5.50	0.23	0.072	(0.465)	0.065	0.007
67	5.58	0.27	0.083	(0.463)	0.074	0.008
68	5.67	0.27	0.083	(0.461)	0.074	0.008
69	5.75	0.27	0.083	(0.459)	0.074	0.008
70	5.83	0.27	0.083	(0.457)	0.074	0.008
71	5.92	0.27	0.083	(0.455)	0.074	0.008
72	6.00	0.27	0.083	(0.453)	0.074	0.008
73	6.08	0.30	0.093	(0.451)	0.084	0.009
74	6.17	0.30	0.093	(0.449)	0.084	0.009
75	6.25	0.30	0.093	(0.447)	0.084	0.009
76	6.33	0.30	0.093	(0.445)	0.084	0.009
77	6.42	0.30	0.093	(0.443)	0.084	0.009
78	6.50	0.30	0.093	(0.441)	0.084	0.009
79	6.58	0.33	0.103	(0.439)	0.093	0.010
80	6.67	0.33	0.103	(0.437)	0.093	0.010
81	6.75	0.33	0.103	(0.435)	0.093	0.010
82	6.83	0.33	0.103	(0.433)	0.093	0.010
83	6.92	0.33	0.103	(0.431)	0.093	0.010
84	7.00	0.33	0.103	(0.429)	0.093	0.010
85	7.08	0.33	0.103	(0.427)	0.093	0.010
86	7.17	0.33	0.103	(0.425)	0.093	0.010
87	7.25	0.33	0.103	(0.423)	0.093	0.010
88	7.33	0.37	0.114	(0.421)	0.102	0.011
89	7.42	0.37	0.114	(0.419)	0.102	0.011
90	7.50	0.37	0.114	(0.417)	0.102	0.011
91	7.58	0.40	0.124	(0.416)	0.112	0.012
92	7.67	0.40	0.124	(0.414)	0.112	0.012
93	7.75	0.40	0.124	(0.412)	0.112	0.012
94	7.83	0.43	0.134	(0.410)	0.121	0.013

95	7.92	0.43	0.134	(0.408)	0.121	0.013
96	8.00	0.43	0.134	(0.406)	0.121	0.013
97	8.08	0.50	0.155	(0.404)	0.139	0.015
98	8.17	0.50	0.155	(0.402)	0.139	0.015
99	8.25	0.50	0.155	(0.400)	0.139	0.015
100	8.33	0.50	0.155	(0.399)	0.139	0.015
101	8.42	0.50	0.155	(0.397)	0.139	0.015
102	8.50	0.50	0.155	(0.395)	0.139	0.015
103	8.58	0.53	0.165	(0.393)	0.149	0.017
104	8.67	0.53	0.165	(0.391)	0.149	0.017
105	8.75	0.53	0.165	(0.389)	0.149	0.017
106	8.83	0.57	0.176	(0.387)	0.158	0.018
107	8.92	0.57	0.176	(0.386)	0.158	0.018
108	9.00	0.57	0.176	(0.384)	0.158	0.018
109	9.08	0.63	0.196	(0.382)	0.177	0.020
110	9.17	0.63	0.196	(0.380)	0.177	0.020
111	9.25	0.63	0.196	(0.378)	0.177	0.020
112	9.33	0.67	0.206	(0.377)	0.186	0.021
113	9.42	0.67	0.206	(0.375)	0.186	0.021
114	9.50	0.67	0.206	(0.373)	0.186	0.021
115	9.58	0.70	0.217	(0.371)	0.195	0.022
116	9.67	0.70	0.217	(0.369)	0.195	0.022
117	9.75	0.70	0.217	(0.368)	0.195	0.022
118	9.83	0.73	0.227	(0.366)	0.204	0.023
119	9.92	0.73	0.227	(0.364)	0.204	0.023
120	10.00	0.73	0.227	(0.362)	0.204	0.023
121	10.08	0.50	0.155	(0.361)	0.139	0.015
122	10.17	0.50	0.155	(0.359)	0.139	0.015
123	10.25	0.50	0.155	(0.357)	0.139	0.015
124	10.33	0.50	0.155	(0.355)	0.139	0.015
125	10.42	0.50	0.155	(0.354)	0.139	0.015
126	10.50	0.50	0.155	(0.352)	0.139	0.015
127	10.58	0.67	0.206	(0.350)	0.186	0.021
128	10.67	0.67	0.206	(0.348)	0.186	0.021
129	10.75	0.67	0.206	(0.347)	0.186	0.021
130	10.83	0.67	0.206	(0.345)	0.186	0.021
131	10.92	0.67	0.206	(0.343)	0.186	0.021
132	11.00	0.67	0.206	(0.342)	0.186	0.021
133	11.08	0.63	0.196	(0.340)	0.177	0.020
134	11.17	0.63	0.196	(0.338)	0.177	0.020
135	11.25	0.63	0.196	(0.337)	0.177	0.020
136	11.33	0.63	0.196	(0.335)	0.177	0.020
137	11.42	0.63	0.196	(0.333)	0.177	0.020
138	11.50	0.63	0.196	(0.332)	0.177	0.020
139	11.58	0.57	0.176	(0.330)	0.158	0.018
140	11.67	0.57	0.176	(0.328)	0.158	0.018
141	11.75	0.57	0.176	(0.327)	0.158	0.018
142	11.83	0.60	0.186	(0.325)	0.167	0.019
143	11.92	0.60	0.186	(0.324)	0.167	0.019
144	12.00	0.60	0.186	(0.322)	0.167	0.019

145	12.08	0.83	0.258	(0.320)	0.232	0.026
146	12.17	0.83	0.258	(0.319)	0.232	0.026
147	12.25	0.83	0.258	(0.317)	0.232	0.026
148	12.33	0.87	0.268	(0.316)	0.242	0.027
149	12.42	0.87	0.268	(0.314)	0.242	0.027
150	12.50	0.87	0.268	(0.312)	0.242	0.027
151	12.58	0.93	0.289	(0.311)	0.260	0.029
152	12.67	0.93	0.289	(0.309)	0.260	0.029
153	12.75	0.93	0.289	(0.308)	0.260	0.029
154	12.83	0.97	0.299	(0.306)	0.269	0.030
155	12.92	0.97	0.299	(0.305)	0.269	0.030
156	13.00	0.97	0.299	(0.303)	0.269	0.030
157	13.08	1.13	0.351	0.301 (0.316)		0.050
158	13.17	1.13	0.351	0.300 (0.316)		0.051
159	13.25	1.13	0.351	0.298 (0.316)		0.053
160	13.33	1.13	0.351	0.297 (0.316)		0.054
161	13.42	1.13	0.351	0.295 (0.316)		0.056
162	13.50	1.13	0.351	0.294 (0.316)		0.057
163	13.58	0.77	0.237	(0.292)	0.214	0.024
164	13.67	0.77	0.237	(0.291)	0.214	0.024
165	13.75	0.77	0.237	(0.289)	0.214	0.024
166	13.83	0.77	0.237	(0.288)	0.214	0.024
167	13.92	0.77	0.237	(0.286)	0.214	0.024
168	14.00	0.77	0.237	(0.285)	0.214	0.024
169	14.08	0.90	0.279	(0.284)	0.251	0.028
170	14.17	0.90	0.279	(0.282)	0.251	0.028
171	14.25	0.90	0.279	(0.281)	0.251	0.028
172	14.33	0.87	0.268	(0.279)	0.242	0.027
173	14.42	0.87	0.268	(0.278)	0.242	0.027
174	14.50	0.87	0.268	(0.276)	0.242	0.027
175	14.58	0.87	0.268	(0.275)	0.242	0.027
176	14.67	0.87	0.268	(0.274)	0.242	0.027
177	14.75	0.87	0.268	(0.272)	0.242	0.027
178	14.83	0.83	0.258	(0.271)	0.232	0.026
179	14.92	0.83	0.258	(0.269)	0.232	0.026
180	15.00	0.83	0.258	(0.268)	0.232	0.026
181	15.08	0.80	0.248	(0.267)	0.223	0.025
182	15.17	0.80	0.248	(0.265)	0.223	0.025
183	15.25	0.80	0.248	(0.264)	0.223	0.025
184	15.33	0.77	0.237	(0.263)	0.214	0.024
185	15.42	0.77	0.237	(0.261)	0.214	0.024
186	15.50	0.77	0.237	(0.260)	0.214	0.024
187	15.58	0.63	0.196	(0.259)	0.177	0.020
188	15.67	0.63	0.196	(0.257)	0.177	0.020
189	15.75	0.63	0.196	(0.256)	0.177	0.020
190	15.83	0.63	0.196	(0.255)	0.177	0.020
191	15.92	0.63	0.196	(0.253)	0.177	0.020
192	16.00	0.63	0.196	(0.252)	0.177	0.020
193	16.08	0.13	0.041	(0.251)	0.037	0.004
194	16.17	0.13	0.041	(0.249)	0.037	0.004

195	16.25	0.13	0.041	(0.248)	0.037	0.004
196	16.33	0.13	0.041	(0.247)	0.037	0.004
197	16.42	0.13	0.041	(0.246)	0.037	0.004
198	16.50	0.13	0.041	(0.244)	0.037	0.004
199	16.58	0.10	0.031	(0.243)	0.028	0.003
200	16.67	0.10	0.031	(0.242)	0.028	0.003
201	16.75	0.10	0.031	(0.241)	0.028	0.003
202	16.83	0.10	0.031	(0.239)	0.028	0.003
203	16.92	0.10	0.031	(0.238)	0.028	0.003
204	17.00	0.10	0.031	(0.237)	0.028	0.003
205	17.08	0.17	0.052	(0.236)	0.046	0.005
206	17.17	0.17	0.052	(0.235)	0.046	0.005
207	17.25	0.17	0.052	(0.233)	0.046	0.005
208	17.33	0.17	0.052	(0.232)	0.046	0.005
209	17.42	0.17	0.052	(0.231)	0.046	0.005
210	17.50	0.17	0.052	(0.230)	0.046	0.005
211	17.58	0.17	0.052	(0.229)	0.046	0.005
212	17.67	0.17	0.052	(0.228)	0.046	0.005
213	17.75	0.17	0.052	(0.227)	0.046	0.005
214	17.83	0.13	0.041	(0.225)	0.037	0.004
215	17.92	0.13	0.041	(0.224)	0.037	0.004
216	18.00	0.13	0.041	(0.223)	0.037	0.004
217	18.08	0.13	0.041	(0.222)	0.037	0.004
218	18.17	0.13	0.041	(0.221)	0.037	0.004
219	18.25	0.13	0.041	(0.220)	0.037	0.004
220	18.33	0.13	0.041	(0.219)	0.037	0.004
221	18.42	0.13	0.041	(0.218)	0.037	0.004
222	18.50	0.13	0.041	(0.217)	0.037	0.004
223	18.58	0.10	0.031	(0.216)	0.028	0.003
224	18.67	0.10	0.031	(0.215)	0.028	0.003
225	18.75	0.10	0.031	(0.214)	0.028	0.003
226	18.83	0.07	0.021	(0.213)	0.019	0.002
227	18.92	0.07	0.021	(0.212)	0.019	0.002
228	19.00	0.07	0.021	(0.211)	0.019	0.002
229	19.08	0.10	0.031	(0.210)	0.028	0.003
230	19.17	0.10	0.031	(0.209)	0.028	0.003
231	19.25	0.10	0.031	(0.208)	0.028	0.003
232	19.33	0.13	0.041	(0.207)	0.037	0.004
233	19.42	0.13	0.041	(0.206)	0.037	0.004
234	19.50	0.13	0.041	(0.205)	0.037	0.004
235	19.58	0.10	0.031	(0.204)	0.028	0.003
236	19.67	0.10	0.031	(0.203)	0.028	0.003
237	19.75	0.10	0.031	(0.202)	0.028	0.003
238	19.83	0.07	0.021	(0.201)	0.019	0.002
239	19.92	0.07	0.021	(0.200)	0.019	0.002
240	20.00	0.07	0.021	(0.199)	0.019	0.002
241	20.08	0.10	0.031	(0.198)	0.028	0.003
242	20.17	0.10	0.031	(0.197)	0.028	0.003
243	20.25	0.10	0.031	(0.197)	0.028	0.003
244	20.33	0.10	0.031	(0.196)	0.028	0.003

245	20.42	0.10	0.031	(0.195)	0.028	0.003
246	20.50	0.10	0.031	(0.194)	0.028	0.003
247	20.58	0.10	0.031	(0.193)	0.028	0.003
248	20.67	0.10	0.031	(0.192)	0.028	0.003
249	20.75	0.10	0.031	(0.192)	0.028	0.003
250	20.83	0.07	0.021	(0.191)	0.019	0.002
251	20.92	0.07	0.021	(0.190)	0.019	0.002
252	21.00	0.07	0.021	(0.189)	0.019	0.002
253	21.08	0.10	0.031	(0.189)	0.028	0.003
254	21.17	0.10	0.031	(0.188)	0.028	0.003
255	21.25	0.10	0.031	(0.187)	0.028	0.003
256	21.33	0.07	0.021	(0.186)	0.019	0.002
257	21.42	0.07	0.021	(0.186)	0.019	0.002
258	21.50	0.07	0.021	(0.185)	0.019	0.002
259	21.58	0.10	0.031	(0.184)	0.028	0.003
260	21.67	0.10	0.031	(0.184)	0.028	0.003
261	21.75	0.10	0.031	(0.183)	0.028	0.003
262	21.83	0.07	0.021	(0.182)	0.019	0.002
263	21.92	0.07	0.021	(0.182)	0.019	0.002
264	22.00	0.07	0.021	(0.181)	0.019	0.002
265	22.08	0.10	0.031	(0.181)	0.028	0.003
266	22.17	0.10	0.031	(0.180)	0.028	0.003
267	22.25	0.10	0.031	(0.179)	0.028	0.003
268	22.33	0.07	0.021	(0.179)	0.019	0.002
269	22.42	0.07	0.021	(0.178)	0.019	0.002
270	22.50	0.07	0.021	(0.178)	0.019	0.002
271	22.58	0.07	0.021	(0.177)	0.019	0.002
272	22.67	0.07	0.021	(0.177)	0.019	0.002
273	22.75	0.07	0.021	(0.176)	0.019	0.002
274	22.83	0.07	0.021	(0.176)	0.019	0.002
275	22.92	0.07	0.021	(0.175)	0.019	0.002
276	23.00	0.07	0.021	(0.175)	0.019	0.002
277	23.08	0.07	0.021	(0.175)	0.019	0.002
278	23.17	0.07	0.021	(0.174)	0.019	0.002
279	23.25	0.07	0.021	(0.174)	0.019	0.002
280	23.33	0.07	0.021	(0.173)	0.019	0.002
281	23.42	0.07	0.021	(0.173)	0.019	0.002
282	23.50	0.07	0.021	(0.173)	0.019	0.002
283	23.58	0.07	0.021	(0.173)	0.019	0.002
284	23.67	0.07	0.021	(0.172)	0.019	0.002
285	23.75	0.07	0.021	(0.172)	0.019	0.002
286	23.83	0.07	0.021	(0.172)	0.019	0.002
287	23.92	0.07	0.021	(0.172)	0.019	0.002
288	24.00	0.07	0.021	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.2

Flood volume = Effective rainfall 0.27(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 2.31(In)

Total soil loss = 0.434(Ac.Ft)

Total rainfall = 2.58(In)
 Flood volume = 2182.7 Cubic Feet
 Total soil loss = 18898.7 Cubic Feet

 Peak flow rate of this hydrograph = 0.127(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.00	Q				
0+20	0.0001	0.01	Q				
0+25	0.0002	0.01	Q				
0+30	0.0002	0.01	Q				
0+35	0.0002	0.01	Q				
0+40	0.0003	0.01	Q				
0+45	0.0003	0.01	Q				
0+50	0.0004	0.01	Q				
0+55	0.0005	0.01	Q				
1+ 0	0.0005	0.01	Q				
1+ 5	0.0006	0.01	Q				
1+10	0.0006	0.01	Q				
1+15	0.0007	0.01	Q				
1+20	0.0007	0.01	Q				
1+25	0.0008	0.01	Q				
1+30	0.0008	0.01	Q				
1+35	0.0009	0.01	Q				
1+40	0.0009	0.01	Q				
1+45	0.0010	0.01	Q				
1+50	0.0010	0.01	Q				
1+55	0.0011	0.01	Q				
2+ 0	0.0012	0.01	Q				
2+ 5	0.0012	0.01	Q				
2+10	0.0013	0.01	QV				
2+15	0.0013	0.01	QV				
2+20	0.0014	0.01	QV				
2+25	0.0015	0.01	QV				
2+30	0.0015	0.01	QV				
2+35	0.0016	0.01	QV				
2+40	0.0017	0.01	QV				
2+45	0.0018	0.01	QV				
2+50	0.0018	0.01	QV				
2+55	0.0019	0.01	QV				

3+ 0	0.0020	0.01	QV				
3+ 5	0.0021	0.01	QV				
3+10	0.0022	0.01	QV				
3+15	0.0022	0.01	QV				
3+20	0.0023	0.01	QV				
3+25	0.0024	0.01	QV				
3+30	0.0025	0.01	QV				
3+35	0.0026	0.01	Q V				
3+40	0.0027	0.01	Q V				
3+45	0.0027	0.01	Q V				
3+50	0.0028	0.01	Q V				
3+55	0.0029	0.01	Q V				
4+ 0	0.0030	0.01	Q V				
4+ 5	0.0031	0.01	Q V				
4+10	0.0032	0.01	Q V				
4+15	0.0033	0.01	Q V				
4+20	0.0034	0.01	Q V				
4+25	0.0035	0.02	Q V				
4+30	0.0036	0.02	Q V				
4+35	0.0037	0.02	Q V				
4+40	0.0038	0.02	Q V				
4+45	0.0040	0.02	Q V				
4+50	0.0041	0.02	Q V				
4+55	0.0042	0.02	Q V				
5+ 0	0.0043	0.02	Q V				
5+ 5	0.0045	0.02	Q V				
5+10	0.0046	0.01	Q V				
5+15	0.0047	0.01	Q V				
5+20	0.0048	0.02	Q V				
5+25	0.0049	0.02	Q V				
5+30	0.0050	0.02	Q V				
5+35	0.0051	0.02	Q V				
5+40	0.0052	0.02	Q V				
5+45	0.0054	0.02	Q V				
5+50	0.0055	0.02	Q V				
5+55	0.0056	0.02	Q V				
6+ 0	0.0057	0.02	Q V				
6+ 5	0.0059	0.02	Q V				
6+10	0.0060	0.02	Q V				
6+15	0.0062	0.02	Q V				
6+20	0.0063	0.02	Q V				
6+25	0.0064	0.02	Q V				
6+30	0.0066	0.02	Q V				
6+35	0.0067	0.02	Q V				
6+40	0.0069	0.02	Q V				
6+45	0.0071	0.02	Q V				
6+50	0.0072	0.02	Q V				
6+55	0.0074	0.02	Q V				
7+ 0	0.0075	0.02	Q V				
7+ 5	0.0077	0.02	Q V				

7+10	0.0079	0.02	Q	V				
7+15	0.0080	0.02	Q	V				
7+20	0.0082	0.02	Q	V				
7+25	0.0084	0.03	Q	V				
7+30	0.0085	0.03	Q	V				
7+35	0.0087	0.03	Q	V				
7+40	0.0089	0.03	Q	V				
7+45	0.0091	0.03	Q	V				
7+50	0.0093	0.03	Q	V				
7+55	0.0095	0.03	Q	V				
8+ 0	0.0097	0.03	Q	V				
8+ 5	0.0099	0.03	Q	V				
8+10	0.0102	0.03	Q	V				
8+15	0.0104	0.03	Q	V				
8+20	0.0107	0.04	Q	V				
8+25	0.0109	0.04	Q	V				
8+30	0.0112	0.04	Q	V				
8+35	0.0114	0.04	Q	V				
8+40	0.0117	0.04	Q	V				
8+45	0.0119	0.04	Q	V				
8+50	0.0122	0.04	Q	V				
8+55	0.0124	0.04	Q	V				
9+ 0	0.0127	0.04	Q	V				
9+ 5	0.0130	0.04	Q	V				
9+10	0.0133	0.04	Q	V				
9+15	0.0136	0.04	Q	V				
9+20	0.0139	0.05	Q	V				
9+25	0.0142	0.05	Q	V				
9+30	0.0146	0.05	Q	V				
9+35	0.0149	0.05	Q	V				
9+40	0.0152	0.05	Q	V				
9+45	0.0156	0.05	Q	V				
9+50	0.0159	0.05	Q	V				
9+55	0.0163	0.05	Q	V				
10+ 0	0.0166	0.05	Q	V				
10+ 5	0.0169	0.05	Q	V				
10+10	0.0172	0.04	Q	V				
10+15	0.0174	0.04	Q	V				
10+20	0.0177	0.04	Q	V				
10+25	0.0179	0.04	Q	V				
10+30	0.0182	0.04	Q	V				
10+35	0.0184	0.04	Q	V				
10+40	0.0187	0.04	Q	V				
10+45	0.0191	0.05	Q	V				
10+50	0.0194	0.05	Q	V				
10+55	0.0197	0.05	Q	V				
11+ 0	0.0200	0.05	Q	V				
11+ 5	0.0203	0.05	Q	V				
11+10	0.0207	0.04	Q	V				
11+15	0.0210	0.04	Q	V				

11+20	0.0213	0.04	Q	V			
11+25	0.0216	0.04	Q	V			
11+30	0.0219	0.04	Q	V			
11+35	0.0222	0.04	Q	V			
11+40	0.0225	0.04	Q	V			
11+45	0.0227	0.04	Q	V			
11+50	0.0230	0.04	Q	V			
11+55	0.0233	0.04	Q	V			
12+ 0	0.0236	0.04	Q	V			
12+ 5	0.0239	0.05	Q	V			
12+10	0.0243	0.06	Q	V			
12+15	0.0247	0.06	Q	V			
12+20	0.0251	0.06	Q	V			
12+25	0.0255	0.06	Q	V			
12+30	0.0259	0.06	Q	V			
12+35	0.0264	0.06	Q	V			
12+40	0.0268	0.06	Q	V			
12+45	0.0273	0.07	Q	V			
12+50	0.0277	0.07	Q	V			
12+55	0.0282	0.07	Q	V			
13+ 0	0.0287	0.07	Q	V			
13+ 5	0.0292	0.08	Q	V			
13+10	0.0300	0.11	Q	V			
13+15	0.0307	0.11	Q	V			
13+20	0.0316	0.12	Q	V			
13+25	0.0324	0.12	Q	V			
13+30	0.0333	0.13	Q	V			
13+35	0.0340	0.10	Q	V			
13+40	0.0344	0.07	Q	V			
13+45	0.0348	0.06	Q	V			
13+50	0.0352	0.06	Q	V			
13+55	0.0356	0.05	Q	V			
14+ 0	0.0360	0.05	Q	V			
14+ 5	0.0364	0.06	Q	V			
14+10	0.0368	0.06	Q	V			
14+15	0.0372	0.06	Q	V			
14+20	0.0377	0.06	Q	V			
14+25	0.0381	0.06	Q	V			
14+30	0.0385	0.06	Q	V			
14+35	0.0389	0.06	Q	V			
14+40	0.0393	0.06	Q	V			
14+45	0.0398	0.06	Q	V			
14+50	0.0402	0.06	Q	V			
14+55	0.0406	0.06	Q	V			
15+ 0	0.0410	0.06	Q	V			
15+ 5	0.0414	0.06	Q	V			
15+10	0.0418	0.06	Q	V			
15+15	0.0422	0.06	Q	V			
15+20	0.0425	0.06	Q	V			
15+25	0.0429	0.05	Q	V			

15+30	0.0433	0.05	Q				V
15+35	0.0436	0.05	Q				V
15+40	0.0439	0.05	Q				V
15+45	0.0443	0.05	Q				V
15+50	0.0446	0.04	Q				V
15+55	0.0449	0.04	Q				V
16+ 0	0.0452	0.04	Q				V
16+ 5	0.0454	0.03	Q				V
16+10	0.0455	0.02	Q				V
16+15	0.0456	0.01	Q				V
16+20	0.0457	0.01	Q				V
16+25	0.0457	0.01	Q				V
16+30	0.0458	0.01	Q				V
16+35	0.0458	0.01	Q				V
16+40	0.0459	0.01	Q				V
16+45	0.0459	0.01	Q				V
16+50	0.0460	0.01	Q				V
16+55	0.0460	0.01	Q				V
17+ 0	0.0461	0.01	Q				V
17+ 5	0.0462	0.01	Q				V
17+10	0.0462	0.01	Q				V
17+15	0.0463	0.01	Q				V
17+20	0.0464	0.01	Q				V
17+25	0.0465	0.01	Q				V
17+30	0.0465	0.01	Q				V
17+35	0.0466	0.01	Q				V
17+40	0.0467	0.01	Q				V
17+45	0.0468	0.01	Q				V
17+50	0.0469	0.01	Q				V
17+55	0.0469	0.01	Q				V
18+ 0	0.0470	0.01	Q				V
18+ 5	0.0471	0.01	Q				V
18+10	0.0471	0.01	Q				V
18+15	0.0472	0.01	Q				V
18+20	0.0473	0.01	Q				V
18+25	0.0473	0.01	Q				V
18+30	0.0474	0.01	Q				V
18+35	0.0474	0.01	Q				V
18+40	0.0475	0.01	Q				V
18+45	0.0475	0.01	Q				V
18+50	0.0476	0.01	Q				V
18+55	0.0476	0.01	Q				V
19+ 0	0.0477	0.00	Q				V
19+ 5	0.0477	0.01	Q				V
19+10	0.0477	0.01	Q				V
19+15	0.0478	0.01	Q				V
19+20	0.0478	0.01	Q				V
19+25	0.0479	0.01	Q				V
19+30	0.0480	0.01	Q				V
19+35	0.0480	0.01	Q				V

19+40	0.0481	0.01	Q				V
19+45	0.0481	0.01	Q				V
19+50	0.0482	0.01	Q				V
19+55	0.0482	0.01	Q				V
20+ 0	0.0482	0.00	Q				V
20+ 5	0.0483	0.01	Q				V
20+10	0.0483	0.01	Q				V
20+15	0.0484	0.01	Q				V
20+20	0.0484	0.01	Q				V
20+25	0.0485	0.01	Q				V
20+30	0.0485	0.01	Q				V
20+35	0.0486	0.01	Q				V
20+40	0.0486	0.01	Q				V
20+45	0.0487	0.01	Q				V
20+50	0.0487	0.01	Q				V
20+55	0.0487	0.01	Q				V
21+ 0	0.0488	0.00	Q				V
21+ 5	0.0488	0.01	Q				V
21+10	0.0489	0.01	Q				V
21+15	0.0489	0.01	Q				V
21+20	0.0489	0.01	Q				V
21+25	0.0490	0.01	Q				V
21+30	0.0490	0.00	Q				V
21+35	0.0491	0.01	Q				V
21+40	0.0491	0.01	Q				V
21+45	0.0491	0.01	Q				V
21+50	0.0492	0.01	Q				V
21+55	0.0492	0.01	Q				V
22+ 0	0.0493	0.00	Q				V
22+ 5	0.0493	0.01	Q				V
22+10	0.0493	0.01	Q				V
22+15	0.0494	0.01	Q				V
22+20	0.0494	0.01	Q				V
22+25	0.0495	0.01	Q				V
22+30	0.0495	0.00	Q				V
22+35	0.0495	0.00	Q				V
22+40	0.0496	0.00	Q				V
22+45	0.0496	0.00	Q				V
22+50	0.0496	0.00	Q				V
22+55	0.0497	0.00	Q				V
23+ 0	0.0497	0.00	Q				V
23+ 5	0.0497	0.00	Q				V
23+10	0.0498	0.00	Q				V
23+15	0.0498	0.00	Q				V
23+20	0.0498	0.00	Q				V
23+25	0.0499	0.00	Q				V
23+30	0.0499	0.00	Q				V
23+35	0.0499	0.00	Q				V
23+40	0.0499	0.00	Q				V
23+45	0.0500	0.00	Q				V

23+50	0.0500	0.00	Q				V
23+55	0.0500	0.00	Q				V
24+ 0	0.0501	0.00	Q				V
24+ 5	0.0501	0.00	Q				V
24+10	0.0501	0.00	Q				V
24+15	0.0501	0.00	Q				V
24+20	0.0501	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda265.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 5 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.13	2.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	2.65	5.96

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum =		100.000	Sum= 2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.343)	0.080	0.009
2	0.17	0.60	0.107	(0.343)	0.096	0.011
3	0.25	0.60	0.107	(0.343)	0.096	0.011
4	0.33	0.60	0.107	(0.343)	0.096	0.011
5	0.42	0.60	0.107	(0.343)	0.096	0.011
6	0.50	0.70	0.125	(0.343)	0.112	0.012
7	0.58	0.70	0.125	(0.343)	0.112	0.012
8	0.67	0.70	0.125	(0.343)	0.112	0.012
9	0.75	0.70	0.125	(0.343)	0.112	0.012
10	0.83	0.70	0.125	(0.343)	0.112	0.012
11	0.92	0.70	0.125	(0.343)	0.112	0.012
12	1.00	0.80	0.143	(0.343)	0.128	0.014
13	1.08	0.80	0.143	(0.343)	0.128	0.014
14	1.17	0.80	0.143	(0.343)	0.128	0.014
15	1.25	0.80	0.143	(0.343)	0.128	0.014
16	1.33	0.80	0.143	(0.343)	0.128	0.014
17	1.42	0.80	0.143	(0.343)	0.128	0.014
18	1.50	0.80	0.143	(0.343)	0.128	0.014
19	1.58	0.80	0.143	(0.343)	0.128	0.014
20	1.67	0.80	0.143	(0.343)	0.128	0.014
21	1.75	0.80	0.143	(0.343)	0.128	0.014
22	1.83	0.80	0.143	(0.343)	0.128	0.014
23	1.92	0.80	0.143	(0.343)	0.128	0.014
24	2.00	0.90	0.160	(0.343)	0.144	0.016
25	2.08	0.80	0.143	(0.343)	0.128	0.014
26	2.17	0.90	0.160	(0.343)	0.144	0.016
27	2.25	0.90	0.160	(0.343)	0.144	0.016
28	2.33	0.90	0.160	(0.343)	0.144	0.016
29	2.42	0.90	0.160	(0.343)	0.144	0.016
30	2.50	0.90	0.160	(0.343)	0.144	0.016
31	2.58	0.90	0.160	(0.343)	0.144	0.016
32	2.67	0.90	0.160	(0.343)	0.144	0.016
33	2.75	1.00	0.178	(0.343)	0.160	0.018
34	2.83	1.00	0.178	(0.343)	0.160	0.018
35	2.92	1.00	0.178	(0.343)	0.160	0.018
36	3.00	1.00	0.178	(0.343)	0.160	0.018
37	3.08	1.00	0.178	(0.343)	0.160	0.018
38	3.17	1.10	0.196	(0.343)	0.177	0.020
39	3.25	1.10	0.196	(0.343)	0.177	0.020
40	3.33	1.10	0.196	(0.343)	0.177	0.020
41	3.42	1.20	0.214	(0.343)	0.193	0.021
42	3.50	1.30	0.232	(0.343)	0.209	0.023
43	3.58	1.40	0.250	(0.343)	0.225	0.025
44	3.67	1.40	0.250	(0.343)	0.225	0.025

45	3.75	1.50	0.267	(0.343)	0.241	0.027
46	3.83	1.50	0.267	(0.343)	0.241	0.027
47	3.92	1.60	0.285	(0.343)	0.257	0.029
48	4.00	1.60	0.285	(0.343)	0.257	0.029
49	4.08	1.70	0.303	(0.343)	0.273	0.030
50	4.17	1.80	0.321	(0.343)	0.289	0.032
51	4.25	1.90	0.339	(0.343)	0.305	0.034
52	4.33	2.00	0.357	(0.343)	0.321	0.036
53	4.42	2.10	0.374	(0.343)	0.337	0.037
54	4.50	2.10	0.374	(0.343)	0.337	0.037
55	4.58	2.20	0.392	0.343 (0.353)		0.049
56	4.67	2.30	0.410	0.343 (0.369)		0.067
57	4.75	2.40	0.428	0.343 (0.385)		0.085
58	4.83	2.40	0.428	0.343 (0.385)		0.085
59	4.92	2.50	0.446	0.343 (0.401)		0.103
60	5.00	2.60	0.464	0.343 (0.417)		0.121
61	5.08	3.10	0.553	0.343 (0.498)		0.210
62	5.17	3.60	0.642	0.343 (0.578)		0.299
63	5.25	3.90	0.695	0.343 (0.626)		0.352
64	5.33	4.20	0.749	0.343 (0.674)		0.406
65	5.42	4.70	0.838	0.343 (0.754)		0.495
66	5.50	5.60	0.999	0.343 (0.899)		0.655
67	5.58	1.90	0.339	(0.343)	0.305	0.034
68	5.67	0.90	0.160	(0.343)	0.144	0.016
69	5.75	0.60	0.107	(0.343)	0.096	0.011
70	5.83	0.50	0.089	(0.343)	0.080	0.009
71	5.92	0.30	0.053	(0.343)	0.048	0.005
72	6.00	0.20	0.036	(0.343)	0.032	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.0

Flood volume = Effective rainfall 0.33(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 1.15(In)
Total soil loss = 0.216(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 2726.0 Cubic Feet
Total soil loss = 9411.0 Cubic Feet

Peak flow rate of this hydrograph = 1.206(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				

0+10	0.0002	0.02	Q				
0+15	0.0003	0.02	Q				
0+20	0.0005	0.02	Q				
0+25	0.0007	0.02	Q				
0+30	0.0008	0.03	Q				
0+35	0.0010	0.03	Q				
0+40	0.0012	0.03	Q				
0+45	0.0014	0.03	Q				
0+50	0.0016	0.03	QV				
0+55	0.0018	0.03	QV				
1+ 0	0.0020	0.03	QV				
1+ 5	0.0022	0.03	QV				
1+10	0.0024	0.03	QV				
1+15	0.0027	0.03	QV				
1+20	0.0029	0.03	QV				
1+25	0.0031	0.03	QV				
1+30	0.0033	0.03	Q V				
1+35	0.0036	0.03	Q V				
1+40	0.0038	0.03	Q V				
1+45	0.0040	0.03	Q V				
1+50	0.0042	0.03	Q V				
1+55	0.0044	0.03	Q V				
2+ 0	0.0047	0.03	Q V				
2+ 5	0.0049	0.03	Q V				
2+10	0.0052	0.03	Q V				
2+15	0.0054	0.04	Q V				
2+20	0.0056	0.04	Q V				
2+25	0.0059	0.04	Q V				
2+30	0.0061	0.04	Q V				
2+35	0.0064	0.04	Q V				
2+40	0.0067	0.04	Q V				
2+45	0.0069	0.04	Q V				
2+50	0.0072	0.04	Q V				
2+55	0.0075	0.04	Q V				
3+ 0	0.0077	0.04	Q V				
3+ 5	0.0080	0.04	Q V				
3+10	0.0083	0.04	Q V				
3+15	0.0086	0.04	Q V				
3+20	0.0089	0.04	Q V				
3+25	0.0092	0.05	Q V				
3+30	0.0096	0.05	Q V				
3+35	0.0099	0.05	Q V				
3+40	0.0103	0.06	Q V				
3+45	0.0107	0.06	Q V				
3+50	0.0111	0.06	Q V				
3+55	0.0116	0.06	Q V				
4+ 0	0.0120	0.06	Q V				
4+ 5	0.0124	0.07	Q V				
4+10	0.0129	0.07	Q V				
4+15	0.0134	0.07	Q V				

4+20	0.0140	0.08	Q	V					
4+25	0.0145	0.08	Q	V					
4+30	0.0151	0.08	Q	V					
4+35	0.0157	0.09	Q	V					
4+40	0.0166	0.12	Q	V					
4+45	0.0177	0.16	Q	V	V				
4+50	0.0189	0.18	Q	V	V				
4+55	0.0203	0.20	Q	V	V				
5+ 0	0.0220	0.24	Q		V				
5+ 5	0.0243	0.34	Q		V				
5+10	0.0278	0.51	Q		V				
5+15	0.0324	0.67	Q		V				
5+20	0.0379	0.80	Q			V			
5+25	0.0445	0.96	Q			V			
5+30	0.0528	1.21	Q				V		
5+35	0.0590	0.90	Q					V	
5+40	0.0609	0.28	Q					V	
5+45	0.0618	0.13	Q					V	
5+50	0.0623	0.07	Q					V	
5+55	0.0624	0.02	Q					V	
6+ 0	0.0625	0.01	Q					V	
6+ 5	0.0626	0.01	Q					V	
6+10	0.0626	0.00	Q					V	
6+15	0.0626	0.00	Q					V	
6+20	0.0626	0.00	Q					V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda235.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 5 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.82	1.84

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.96	4.41

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.343)	0.152	0.017
2	0.17	1.30	0.169	(0.343)	0.152	0.017
3	0.25	1.10	0.143	(0.343)	0.129	0.014
4	0.33	1.50	0.195	(0.343)	0.176	0.020
5	0.42	1.50	0.195	(0.343)	0.176	0.020
6	0.50	1.80	0.234	(0.343)	0.211	0.023
7	0.58	1.50	0.195	(0.343)	0.176	0.020
8	0.67	1.80	0.234	(0.343)	0.211	0.023
9	0.75	1.80	0.234	(0.343)	0.211	0.023
10	0.83	1.50	0.195	(0.343)	0.176	0.020
11	0.92	1.60	0.208	(0.343)	0.187	0.021
12	1.00	1.80	0.234	(0.343)	0.211	0.023
13	1.08	2.20	0.286	(0.343)	0.258	0.029
14	1.17	2.20	0.286	(0.343)	0.258	0.029
15	1.25	2.20	0.286	(0.343)	0.258	0.029
16	1.33	2.00	0.260	(0.343)	0.234	0.026
17	1.42	2.60	0.338	(0.343)	0.305	0.034
18	1.50	2.70	0.351	(0.343)	0.316	0.035
19	1.58	2.40	0.312	(0.343)	0.281	0.031
20	1.67	2.70	0.351	(0.343)	0.316	0.035
21	1.75	3.30	0.430	0.343	(0.387)	0.086
22	1.83	3.10	0.404	0.343	(0.363)	0.060
23	1.92	2.90	0.377	(0.343)	0.340	0.038
24	2.00	3.00	0.390	0.343	(0.351)	0.047
25	2.08	3.10	0.404	0.343	(0.363)	0.060
26	2.17	4.20	0.547	0.343	(0.492)	0.204
27	2.25	5.00	0.651	0.343	(0.586)	0.308
28	2.33	3.50	0.456	0.343	(0.410)	0.112
29	2.42	6.80	0.885	0.343	(0.797)	0.542
30	2.50	7.30	0.950	0.343	(0.855)	0.607
31	2.58	8.20	1.067	0.343	(0.961)	0.724
32	2.67	5.90	0.768	0.343	(0.691)	0.425
33	2.75	2.00	0.260	(0.343)	0.234	0.026
34	2.83	1.80	0.234	(0.343)	0.211	0.023
35	2.92	1.80	0.234	(0.343)	0.211	0.023
36	3.00	0.60	0.078	(0.343)	0.070	0.008

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.8

Flood volume = Effective rainfall 0.32(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.77(In)

Total soil loss = 0.144(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 2574.8 Cubic Feet

Total soil loss = 6284.5 Cubic Feet

Peak flow rate of this hydrograph = 1.388(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0003		0.03	Q				
0+15	0.0005		0.03	Q				
0+20	0.0008		0.04	Q				
0+25	0.0011		0.04	Q				
0+30	0.0014		0.05	Q				
0+35	0.0017		0.05	QV				
0+40	0.0021		0.05	QV				
0+45	0.0024		0.05	QV				
0+50	0.0028		0.05	QV				
0+55	0.0031		0.05	Q V				
1+ 0	0.0034		0.05	Q V				
1+ 5	0.0038		0.06	Q V				
1+10	0.0043		0.06	Q V				
1+15	0.0047		0.06	Q V				
1+20	0.0051		0.06	Q V				
1+25	0.0056		0.07	Q V				
1+30	0.0061		0.08	Q V				
1+35	0.0066		0.07	Q V				
1+40	0.0071		0.07	Q V				
1+45	0.0080		0.12	Q V				
1+50	0.0090		0.15	Q V				
1+55	0.0099		0.12	Q V				
2+ 0	0.0106		0.10	Q V				
2+ 5	0.0114		0.12	Q V				
2+10	0.0131		0.25	Q V				
2+15	0.0165		0.49	Q	V			
2+20	0.0197		0.47	Q	V			
2+25	0.0242		0.66	Q	V			
2+30	0.0321		1.13	Q		V		
2+35	0.0416		1.39	Q			V	
2+40	0.0506		1.31	Q			V	
2+45	0.0557		0.74	Q				V
2+50	0.0575		0.26	Q				V
2+55	0.0585		0.14	Q				V
3+ 0	0.0589		0.07	Q				V
3+ 5	0.0591		0.02	Q				V

3+10	0.0591	0.01	Q				V
3+15	0.0591	0.00	Q				V
3+20	0.0591	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda215.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 5 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.47	1.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.24	2.79

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.343)	0.294	0.033
2	0.17	4.30	0.335	(0.343)	0.301	0.033
3	0.25	5.00	0.389	0.343	(0.350)	0.046
4	0.33	5.00	0.389	0.343	(0.350)	0.046
5	0.42	5.80	0.452	0.343	(0.406)	0.108
6	0.50	6.50	0.506	0.343	(0.455)	0.163
7	0.58	7.40	0.576	0.343	(0.519)	0.233
8	0.67	8.60	0.670	0.343	(0.603)	0.326
9	0.75	12.30	0.958	0.343	(0.862)	0.615
10	0.83	29.10	2.266	0.343	(2.039)	1.923
11	0.92	6.80	0.529	0.343	(0.476)	0.186
12	1.00	5.00	0.389	0.343	(0.350)	0.046

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.8

Flood volume = Effective rainfall $0.31(\text{In})$

$$\text{times area} \quad 2.3(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad 0.1(\text{Ac.Ft})$$

Total soil loss = $0.34(\text{In})$

Total soil loss = 0.063(Ac.Ft)

Total rainfall = 0.65(In)

Flood volume = 2558.4 Cubic Feet

Total soil loss = 2740.7 Cubic Feet

Peak flow rate of this hydrograph = 2.357(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	θ	2.5	5.0	7.5	10.0
0+ 5	0.0002		0.03	Q				
0+10	0.0006		0.06	Q				
0+15	0.0012		0.08	Q				
0+20	0.0018		0.10	QV				
0+25	0.0029		0.15	QV				
0+30	0.0047		0.26	Q V				
0+35	0.0074		0.39	Q V				
0+40	0.0113		0.56	Q V				
0+45	0.0177		0.92	Q	V			

0+50	0.0337	2.33		Q		V			
0+55	0.0499	2.36		Q				V	
1+ 0	0.0553	0.77		Q				V	
1+ 5	0.0575	0.33		Q				V	
1+10	0.0586	0.15	Q					V	
1+15	0.0587	0.02	Q					V	
1+20	0.0587	0.00	Q					V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda2242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 2 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.93	4.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	4.71	10.60

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.608)	0.014	0.002
2	0.17	0.07	0.015	(0.606)	0.014	0.002
3	0.25	0.07	0.015	(0.604)	0.014	0.002
4	0.33	0.10	0.023	(0.601)	0.021	0.002
5	0.42	0.10	0.023	(0.599)	0.021	0.002
6	0.50	0.10	0.023	(0.597)	0.021	0.002
7	0.58	0.10	0.023	(0.594)	0.021	0.002
8	0.67	0.10	0.023	(0.592)	0.021	0.002
9	0.75	0.10	0.023	(0.590)	0.021	0.002
10	0.83	0.13	0.031	(0.587)	0.028	0.003
11	0.92	0.13	0.031	(0.585)	0.028	0.003
12	1.00	0.13	0.031	(0.583)	0.028	0.003
13	1.08	0.10	0.023	(0.580)	0.021	0.002
14	1.17	0.10	0.023	(0.578)	0.021	0.002
15	1.25	0.10	0.023	(0.576)	0.021	0.002
16	1.33	0.10	0.023	(0.573)	0.021	0.002
17	1.42	0.10	0.023	(0.571)	0.021	0.002
18	1.50	0.10	0.023	(0.569)	0.021	0.002
19	1.58	0.10	0.023	(0.567)	0.021	0.002
20	1.67	0.10	0.023	(0.564)	0.021	0.002
21	1.75	0.10	0.023	(0.562)	0.021	0.002
22	1.83	0.13	0.031	(0.560)	0.028	0.003
23	1.92	0.13	0.031	(0.558)	0.028	0.003
24	2.00	0.13	0.031	(0.555)	0.028	0.003
25	2.08	0.13	0.031	(0.553)	0.028	0.003
26	2.17	0.13	0.031	(0.551)	0.028	0.003
27	2.25	0.13	0.031	(0.549)	0.028	0.003
28	2.33	0.13	0.031	(0.546)	0.028	0.003
29	2.42	0.13	0.031	(0.544)	0.028	0.003
30	2.50	0.13	0.031	(0.542)	0.028	0.003
31	2.58	0.17	0.039	(0.540)	0.035	0.004
32	2.67	0.17	0.039	(0.537)	0.035	0.004
33	2.75	0.17	0.039	(0.535)	0.035	0.004
34	2.83	0.17	0.039	(0.533)	0.035	0.004
35	2.92	0.17	0.039	(0.531)	0.035	0.004
36	3.00	0.17	0.039	(0.529)	0.035	0.004
37	3.08	0.17	0.039	(0.526)	0.035	0.004
38	3.17	0.17	0.039	(0.524)	0.035	0.004
39	3.25	0.17	0.039	(0.522)	0.035	0.004
40	3.33	0.17	0.039	(0.520)	0.035	0.004
41	3.42	0.17	0.039	(0.518)	0.035	0.004
42	3.50	0.17	0.039	(0.516)	0.035	0.004
43	3.58	0.17	0.039	(0.513)	0.035	0.004
44	3.67	0.17	0.039	(0.511)	0.035	0.004

45	3.75	0.17	0.039	(0.509)	0.035	0.004
46	3.83	0.20	0.046	(0.507)	0.042	0.005
47	3.92	0.20	0.046	(0.505)	0.042	0.005
48	4.00	0.20	0.046	(0.503)	0.042	0.005
49	4.08	0.20	0.046	(0.501)	0.042	0.005
50	4.17	0.20	0.046	(0.498)	0.042	0.005
51	4.25	0.20	0.046	(0.496)	0.042	0.005
52	4.33	0.23	0.054	(0.494)	0.049	0.005
53	4.42	0.23	0.054	(0.492)	0.049	0.005
54	4.50	0.23	0.054	(0.490)	0.049	0.005
55	4.58	0.23	0.054	(0.488)	0.049	0.005
56	4.67	0.23	0.054	(0.486)	0.049	0.005
57	4.75	0.23	0.054	(0.484)	0.049	0.005
58	4.83	0.27	0.062	(0.482)	0.056	0.006
59	4.92	0.27	0.062	(0.480)	0.056	0.006
60	5.00	0.27	0.062	(0.477)	0.056	0.006
61	5.08	0.20	0.046	(0.475)	0.042	0.005
62	5.17	0.20	0.046	(0.473)	0.042	0.005
63	5.25	0.20	0.046	(0.471)	0.042	0.005
64	5.33	0.23	0.054	(0.469)	0.049	0.005
65	5.42	0.23	0.054	(0.467)	0.049	0.005
66	5.50	0.23	0.054	(0.465)	0.049	0.005
67	5.58	0.27	0.062	(0.463)	0.056	0.006
68	5.67	0.27	0.062	(0.461)	0.056	0.006
69	5.75	0.27	0.062	(0.459)	0.056	0.006
70	5.83	0.27	0.062	(0.457)	0.056	0.006
71	5.92	0.27	0.062	(0.455)	0.056	0.006
72	6.00	0.27	0.062	(0.453)	0.056	0.006
73	6.08	0.30	0.069	(0.451)	0.063	0.007
74	6.17	0.30	0.069	(0.449)	0.063	0.007
75	6.25	0.30	0.069	(0.447)	0.063	0.007
76	6.33	0.30	0.069	(0.445)	0.063	0.007
77	6.42	0.30	0.069	(0.443)	0.063	0.007
78	6.50	0.30	0.069	(0.441)	0.063	0.007
79	6.58	0.33	0.077	(0.439)	0.069	0.008
80	6.67	0.33	0.077	(0.437)	0.069	0.008
81	6.75	0.33	0.077	(0.435)	0.069	0.008
82	6.83	0.33	0.077	(0.433)	0.069	0.008
83	6.92	0.33	0.077	(0.431)	0.069	0.008
84	7.00	0.33	0.077	(0.429)	0.069	0.008
85	7.08	0.33	0.077	(0.427)	0.069	0.008
86	7.17	0.33	0.077	(0.425)	0.069	0.008
87	7.25	0.33	0.077	(0.423)	0.069	0.008
88	7.33	0.37	0.085	(0.421)	0.076	0.008
89	7.42	0.37	0.085	(0.419)	0.076	0.008
90	7.50	0.37	0.085	(0.417)	0.076	0.008
91	7.58	0.40	0.093	(0.416)	0.083	0.009
92	7.67	0.40	0.093	(0.414)	0.083	0.009
93	7.75	0.40	0.093	(0.412)	0.083	0.009
94	7.83	0.43	0.100	(0.410)	0.090	0.010

95	7.92	0.43	0.100	(0.408)	0.090	0.010
96	8.00	0.43	0.100	(0.406)	0.090	0.010
97	8.08	0.50	0.116	(0.404)	0.104	0.012
98	8.17	0.50	0.116	(0.402)	0.104	0.012
99	8.25	0.50	0.116	(0.400)	0.104	0.012
100	8.33	0.50	0.116	(0.399)	0.104	0.012
101	8.42	0.50	0.116	(0.397)	0.104	0.012
102	8.50	0.50	0.116	(0.395)	0.104	0.012
103	8.58	0.53	0.124	(0.393)	0.111	0.012
104	8.67	0.53	0.124	(0.391)	0.111	0.012
105	8.75	0.53	0.124	(0.389)	0.111	0.012
106	8.83	0.57	0.131	(0.387)	0.118	0.013
107	8.92	0.57	0.131	(0.386)	0.118	0.013
108	9.00	0.57	0.131	(0.384)	0.118	0.013
109	9.08	0.63	0.147	(0.382)	0.132	0.015
110	9.17	0.63	0.147	(0.380)	0.132	0.015
111	9.25	0.63	0.147	(0.378)	0.132	0.015
112	9.33	0.67	0.154	(0.377)	0.139	0.015
113	9.42	0.67	0.154	(0.375)	0.139	0.015
114	9.50	0.67	0.154	(0.373)	0.139	0.015
115	9.58	0.70	0.162	(0.371)	0.146	0.016
116	9.67	0.70	0.162	(0.369)	0.146	0.016
117	9.75	0.70	0.162	(0.368)	0.146	0.016
118	9.83	0.73	0.170	(0.366)	0.153	0.017
119	9.92	0.73	0.170	(0.364)	0.153	0.017
120	10.00	0.73	0.170	(0.362)	0.153	0.017
121	10.08	0.50	0.116	(0.361)	0.104	0.012
122	10.17	0.50	0.116	(0.359)	0.104	0.012
123	10.25	0.50	0.116	(0.357)	0.104	0.012
124	10.33	0.50	0.116	(0.355)	0.104	0.012
125	10.42	0.50	0.116	(0.354)	0.104	0.012
126	10.50	0.50	0.116	(0.352)	0.104	0.012
127	10.58	0.67	0.154	(0.350)	0.139	0.015
128	10.67	0.67	0.154	(0.348)	0.139	0.015
129	10.75	0.67	0.154	(0.347)	0.139	0.015
130	10.83	0.67	0.154	(0.345)	0.139	0.015
131	10.92	0.67	0.154	(0.343)	0.139	0.015
132	11.00	0.67	0.154	(0.342)	0.139	0.015
133	11.08	0.63	0.147	(0.340)	0.132	0.015
134	11.17	0.63	0.147	(0.338)	0.132	0.015
135	11.25	0.63	0.147	(0.337)	0.132	0.015
136	11.33	0.63	0.147	(0.335)	0.132	0.015
137	11.42	0.63	0.147	(0.333)	0.132	0.015
138	11.50	0.63	0.147	(0.332)	0.132	0.015
139	11.58	0.57	0.131	(0.330)	0.118	0.013
140	11.67	0.57	0.131	(0.328)	0.118	0.013
141	11.75	0.57	0.131	(0.327)	0.118	0.013
142	11.83	0.60	0.139	(0.325)	0.125	0.014
143	11.92	0.60	0.139	(0.324)	0.125	0.014
144	12.00	0.60	0.139	(0.322)	0.125	0.014

145	12.08	0.83	0.193	(0.320)	0.174	0.019
146	12.17	0.83	0.193	(0.319)	0.174	0.019
147	12.25	0.83	0.193	(0.317)	0.174	0.019
148	12.33	0.87	0.201	(0.316)	0.181	0.020
149	12.42	0.87	0.201	(0.314)	0.181	0.020
150	12.50	0.87	0.201	(0.312)	0.181	0.020
151	12.58	0.93	0.216	(0.311)	0.195	0.022
152	12.67	0.93	0.216	(0.309)	0.195	0.022
153	12.75	0.93	0.216	(0.308)	0.195	0.022
154	12.83	0.97	0.224	(0.306)	0.201	0.022
155	12.92	0.97	0.224	(0.305)	0.201	0.022
156	13.00	0.97	0.224	(0.303)	0.201	0.022
157	13.08	1.13	0.262	(0.301)	0.236	0.026
158	13.17	1.13	0.262	(0.300)	0.236	0.026
159	13.25	1.13	0.262	(0.298)	0.236	0.026
160	13.33	1.13	0.262	(0.297)	0.236	0.026
161	13.42	1.13	0.262	(0.295)	0.236	0.026
162	13.50	1.13	0.262	(0.294)	0.236	0.026
163	13.58	0.77	0.178	(0.292)	0.160	0.018
164	13.67	0.77	0.178	(0.291)	0.160	0.018
165	13.75	0.77	0.178	(0.289)	0.160	0.018
166	13.83	0.77	0.178	(0.288)	0.160	0.018
167	13.92	0.77	0.178	(0.286)	0.160	0.018
168	14.00	0.77	0.178	(0.285)	0.160	0.018
169	14.08	0.90	0.208	(0.284)	0.188	0.021
170	14.17	0.90	0.208	(0.282)	0.188	0.021
171	14.25	0.90	0.208	(0.281)	0.188	0.021
172	14.33	0.87	0.201	(0.279)	0.181	0.020
173	14.42	0.87	0.201	(0.278)	0.181	0.020
174	14.50	0.87	0.201	(0.276)	0.181	0.020
175	14.58	0.87	0.201	(0.275)	0.181	0.020
176	14.67	0.87	0.201	(0.274)	0.181	0.020
177	14.75	0.87	0.201	(0.272)	0.181	0.020
178	14.83	0.83	0.193	(0.271)	0.174	0.019
179	14.92	0.83	0.193	(0.269)	0.174	0.019
180	15.00	0.83	0.193	(0.268)	0.174	0.019
181	15.08	0.80	0.185	(0.267)	0.167	0.019
182	15.17	0.80	0.185	(0.265)	0.167	0.019
183	15.25	0.80	0.185	(0.264)	0.167	0.019
184	15.33	0.77	0.178	(0.263)	0.160	0.018
185	15.42	0.77	0.178	(0.261)	0.160	0.018
186	15.50	0.77	0.178	(0.260)	0.160	0.018
187	15.58	0.63	0.147	(0.259)	0.132	0.015
188	15.67	0.63	0.147	(0.257)	0.132	0.015
189	15.75	0.63	0.147	(0.256)	0.132	0.015
190	15.83	0.63	0.147	(0.255)	0.132	0.015
191	15.92	0.63	0.147	(0.253)	0.132	0.015
192	16.00	0.63	0.147	(0.252)	0.132	0.015
193	16.08	0.13	0.031	(0.251)	0.028	0.003
194	16.17	0.13	0.031	(0.249)	0.028	0.003

195	16.25	0.13	0.031	(0.248)	0.028	0.003
196	16.33	0.13	0.031	(0.247)	0.028	0.003
197	16.42	0.13	0.031	(0.246)	0.028	0.003
198	16.50	0.13	0.031	(0.244)	0.028	0.003
199	16.58	0.10	0.023	(0.243)	0.021	0.002
200	16.67	0.10	0.023	(0.242)	0.021	0.002
201	16.75	0.10	0.023	(0.241)	0.021	0.002
202	16.83	0.10	0.023	(0.239)	0.021	0.002
203	16.92	0.10	0.023	(0.238)	0.021	0.002
204	17.00	0.10	0.023	(0.237)	0.021	0.002
205	17.08	0.17	0.039	(0.236)	0.035	0.004
206	17.17	0.17	0.039	(0.235)	0.035	0.004
207	17.25	0.17	0.039	(0.233)	0.035	0.004
208	17.33	0.17	0.039	(0.232)	0.035	0.004
209	17.42	0.17	0.039	(0.231)	0.035	0.004
210	17.50	0.17	0.039	(0.230)	0.035	0.004
211	17.58	0.17	0.039	(0.229)	0.035	0.004
212	17.67	0.17	0.039	(0.228)	0.035	0.004
213	17.75	0.17	0.039	(0.227)	0.035	0.004
214	17.83	0.13	0.031	(0.225)	0.028	0.003
215	17.92	0.13	0.031	(0.224)	0.028	0.003
216	18.00	0.13	0.031	(0.223)	0.028	0.003
217	18.08	0.13	0.031	(0.222)	0.028	0.003
218	18.17	0.13	0.031	(0.221)	0.028	0.003
219	18.25	0.13	0.031	(0.220)	0.028	0.003
220	18.33	0.13	0.031	(0.219)	0.028	0.003
221	18.42	0.13	0.031	(0.218)	0.028	0.003
222	18.50	0.13	0.031	(0.217)	0.028	0.003
223	18.58	0.10	0.023	(0.216)	0.021	0.002
224	18.67	0.10	0.023	(0.215)	0.021	0.002
225	18.75	0.10	0.023	(0.214)	0.021	0.002
226	18.83	0.07	0.015	(0.213)	0.014	0.002
227	18.92	0.07	0.015	(0.212)	0.014	0.002
228	19.00	0.07	0.015	(0.211)	0.014	0.002
229	19.08	0.10	0.023	(0.210)	0.021	0.002
230	19.17	0.10	0.023	(0.209)	0.021	0.002
231	19.25	0.10	0.023	(0.208)	0.021	0.002
232	19.33	0.13	0.031	(0.207)	0.028	0.003
233	19.42	0.13	0.031	(0.206)	0.028	0.003
234	19.50	0.13	0.031	(0.205)	0.028	0.003
235	19.58	0.10	0.023	(0.204)	0.021	0.002
236	19.67	0.10	0.023	(0.203)	0.021	0.002
237	19.75	0.10	0.023	(0.202)	0.021	0.002
238	19.83	0.07	0.015	(0.201)	0.014	0.002
239	19.92	0.07	0.015	(0.200)	0.014	0.002
240	20.00	0.07	0.015	(0.199)	0.014	0.002
241	20.08	0.10	0.023	(0.198)	0.021	0.002
242	20.17	0.10	0.023	(0.197)	0.021	0.002
243	20.25	0.10	0.023	(0.197)	0.021	0.002
244	20.33	0.10	0.023	(0.196)	0.021	0.002

245	20.42	0.10	0.023	(0.195)	0.021	0.002
246	20.50	0.10	0.023	(0.194)	0.021	0.002
247	20.58	0.10	0.023	(0.193)	0.021	0.002
248	20.67	0.10	0.023	(0.192)	0.021	0.002
249	20.75	0.10	0.023	(0.192)	0.021	0.002
250	20.83	0.07	0.015	(0.191)	0.014	0.002
251	20.92	0.07	0.015	(0.190)	0.014	0.002
252	21.00	0.07	0.015	(0.189)	0.014	0.002
253	21.08	0.10	0.023	(0.189)	0.021	0.002
254	21.17	0.10	0.023	(0.188)	0.021	0.002
255	21.25	0.10	0.023	(0.187)	0.021	0.002
256	21.33	0.07	0.015	(0.186)	0.014	0.002
257	21.42	0.07	0.015	(0.186)	0.014	0.002
258	21.50	0.07	0.015	(0.185)	0.014	0.002
259	21.58	0.10	0.023	(0.184)	0.021	0.002
260	21.67	0.10	0.023	(0.184)	0.021	0.002
261	21.75	0.10	0.023	(0.183)	0.021	0.002
262	21.83	0.07	0.015	(0.182)	0.014	0.002
263	21.92	0.07	0.015	(0.182)	0.014	0.002
264	22.00	0.07	0.015	(0.181)	0.014	0.002
265	22.08	0.10	0.023	(0.181)	0.021	0.002
266	22.17	0.10	0.023	(0.180)	0.021	0.002
267	22.25	0.10	0.023	(0.179)	0.021	0.002
268	22.33	0.07	0.015	(0.179)	0.014	0.002
269	22.42	0.07	0.015	(0.178)	0.014	0.002
270	22.50	0.07	0.015	(0.178)	0.014	0.002
271	22.58	0.07	0.015	(0.177)	0.014	0.002
272	22.67	0.07	0.015	(0.177)	0.014	0.002
273	22.75	0.07	0.015	(0.176)	0.014	0.002
274	22.83	0.07	0.015	(0.176)	0.014	0.002
275	22.92	0.07	0.015	(0.175)	0.014	0.002
276	23.00	0.07	0.015	(0.175)	0.014	0.002
277	23.08	0.07	0.015	(0.175)	0.014	0.002
278	23.17	0.07	0.015	(0.174)	0.014	0.002
279	23.25	0.07	0.015	(0.174)	0.014	0.002
280	23.33	0.07	0.015	(0.173)	0.014	0.002
281	23.42	0.07	0.015	(0.173)	0.014	0.002
282	23.50	0.07	0.015	(0.173)	0.014	0.002
283	23.58	0.07	0.015	(0.173)	0.014	0.002
284	23.67	0.07	0.015	(0.172)	0.014	0.002
285	23.75	0.07	0.015	(0.172)	0.014	0.002
286	23.83	0.07	0.015	(0.172)	0.014	0.002
287	23.92	0.07	0.015	(0.172)	0.014	0.002
288	24.00	0.07	0.015	(0.172)	0.014	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.3

Flood volume = Effective rainfall 0.19(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 1.74(In)

Total soil loss = 0.326(Ac.Ft)

Total rainfall = 1.93(In)
 Flood volume = 1576.3 Cubic Feet
 Total soil loss = 14186.9 Cubic Feet

 Peak flow rate of this hydrograph = 0.060(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.00	Q				
0+20	0.0001	0.00	Q				
0+25	0.0001	0.00	Q				
0+30	0.0001	0.01	Q				
0+35	0.0002	0.01	Q				
0+40	0.0002	0.01	Q				
0+45	0.0003	0.01	Q				
0+50	0.0003	0.01	Q				
0+55	0.0003	0.01	Q				
1+ 0	0.0004	0.01	Q				
1+ 5	0.0004	0.01	Q				
1+10	0.0005	0.01	Q				
1+15	0.0005	0.01	Q				
1+20	0.0005	0.01	Q				
1+25	0.0006	0.01	Q				
1+30	0.0006	0.01	Q				
1+35	0.0007	0.01	Q				
1+40	0.0007	0.01	Q				
1+45	0.0007	0.01	Q				
1+50	0.0008	0.01	Q				
1+55	0.0008	0.01	Q				
2+ 0	0.0009	0.01	Q				
2+ 5	0.0009	0.01	QV				
2+10	0.0010	0.01	QV				
2+15	0.0010	0.01	QV				
2+20	0.0011	0.01	QV				
2+25	0.0011	0.01	QV				
2+30	0.0011	0.01	QV				
2+35	0.0012	0.01	QV				
2+40	0.0013	0.01	QV				
2+45	0.0013	0.01	QV				
2+50	0.0014	0.01	QV				
2+55	0.0014	0.01	QV				

3+ 0	0.0015	0.01	QV				
3+ 5	0.0016	0.01	QV				
3+10	0.0016	0.01	QV				
3+15	0.0017	0.01	QV				
3+20	0.0017	0.01	QV				
3+25	0.0018	0.01	QV				
3+30	0.0019	0.01	Q V				
3+35	0.0019	0.01	Q V				
3+40	0.0020	0.01	Q V				
3+45	0.0020	0.01	Q V				
3+50	0.0021	0.01	Q V				
3+55	0.0022	0.01	Q V				
4+ 0	0.0022	0.01	Q V				
4+ 5	0.0023	0.01	Q V				
4+10	0.0024	0.01	Q V				
4+15	0.0025	0.01	Q V				
4+20	0.0025	0.01	Q V				
4+25	0.0026	0.01	Q V				
4+30	0.0027	0.01	Q V				
4+35	0.0028	0.01	Q V				
4+40	0.0029	0.01	Q V				
4+45	0.0030	0.01	Q V				
4+50	0.0031	0.01	Q V				
4+55	0.0031	0.01	Q V				
5+ 0	0.0032	0.01	Q V				
5+ 5	0.0033	0.01	Q V				
5+10	0.0034	0.01	Q V				
5+15	0.0035	0.01	Q V				
5+20	0.0036	0.01	Q V				
5+25	0.0036	0.01	Q V				
5+30	0.0037	0.01	Q V				
5+35	0.0038	0.01	Q V				
5+40	0.0039	0.01	Q V				
5+45	0.0040	0.01	Q V				
5+50	0.0041	0.01	Q V				
5+55	0.0042	0.01	Q V				
6+ 0	0.0043	0.01	Q V				
6+ 5	0.0044	0.01	Q V				
6+10	0.0045	0.02	Q V				
6+15	0.0046	0.02	Q V				
6+20	0.0047	0.02	Q V				
6+25	0.0048	0.02	Q V				
6+30	0.0049	0.02	Q V				
6+35	0.0050	0.02	Q V				
6+40	0.0052	0.02	Q V				
6+45	0.0053	0.02	Q V				
6+50	0.0054	0.02	Q V				
6+55	0.0055	0.02	Q V				
7+ 0	0.0056	0.02	Q V				
7+ 5	0.0058	0.02	Q V				

7+10	0.0059	0.02	Q	V				
7+15	0.0060	0.02	Q	V				
7+20	0.0061	0.02	Q	V				
7+25	0.0063	0.02	Q	V				
7+30	0.0064	0.02	Q	V				
7+35	0.0065	0.02	Q	V				
7+40	0.0067	0.02	Q	V				
7+45	0.0068	0.02	Q	V				
7+50	0.0070	0.02	Q	V				
7+55	0.0071	0.02	Q	V				
8+ 0	0.0073	0.02	Q	V				
8+ 5	0.0074	0.02	Q	V				
8+10	0.0076	0.03	Q	V				
8+15	0.0078	0.03	Q	V				
8+20	0.0080	0.03	Q	V				
8+25	0.0082	0.03	Q	V				
8+30	0.0083	0.03	Q	V				
8+35	0.0085	0.03	Q	V				
8+40	0.0087	0.03	Q	V				
8+45	0.0089	0.03	Q	V				
8+50	0.0091	0.03	Q	V				
8+55	0.0093	0.03	Q	V				
9+ 0	0.0095	0.03	Q	V				
9+ 5	0.0097	0.03	Q	V				
9+10	0.0099	0.03	Q	V				
9+15	0.0102	0.03	Q	V				
9+20	0.0104	0.03	Q	V				
9+25	0.0106	0.03	Q	V				
9+30	0.0109	0.03	Q	V				
9+35	0.0111	0.04	Q	V				
9+40	0.0114	0.04	Q	V				
9+45	0.0116	0.04	Q	V				
9+50	0.0119	0.04	Q	V				
9+55	0.0122	0.04	Q	V				
10+ 0	0.0124	0.04	Q	V				
10+ 5	0.0127	0.03	Q	V				
10+10	0.0129	0.03	Q	V				
10+15	0.0130	0.03	Q	V				
10+20	0.0132	0.03	Q	V				
10+25	0.0134	0.03	Q	V				
10+30	0.0136	0.03	Q	V				
10+35	0.0138	0.03	Q	V				
10+40	0.0140	0.03	Q	V				
10+45	0.0143	0.03	Q	V				
10+50	0.0145	0.03	Q	V				
10+55	0.0147	0.04	Q	V				
11+ 0	0.0150	0.04	Q	V				
11+ 5	0.0152	0.03	Q	V				
11+10	0.0154	0.03	Q	V				
11+15	0.0157	0.03	Q	V				

11+20	0.0159	0.03	Q	V			
11+25	0.0161	0.03	Q	V			
11+30	0.0164	0.03	Q	V			
11+35	0.0166	0.03	Q	V			
11+40	0.0168	0.03	Q	V			
11+45	0.0170	0.03	Q	V			
11+50	0.0172	0.03	Q	V			
11+55	0.0174	0.03	Q	V			
12+ 0	0.0176	0.03	Q	V			
12+ 5	0.0179	0.04	Q	V			
12+10	0.0182	0.04	Q	V			
12+15	0.0185	0.04	Q	V			
12+20	0.0188	0.04	Q	V			
12+25	0.0191	0.05	Q	V			
12+30	0.0194	0.05	Q	V			
12+35	0.0197	0.05	Q	V			
12+40	0.0201	0.05	Q	V			
12+45	0.0204	0.05	Q	V			
12+50	0.0207	0.05	Q	V			
12+55	0.0211	0.05	Q	V			
13+ 0	0.0214	0.05	Q	V			
13+ 5	0.0218	0.05	Q	V			
13+10	0.0222	0.06	Q	V			
13+15	0.0226	0.06	Q	V			
13+20	0.0230	0.06	Q	V			
13+25	0.0234	0.06	Q	V			
13+30	0.0238	0.06	Q	V			
13+35	0.0242	0.05	Q	V			
13+40	0.0245	0.04	Q	V			
13+45	0.0248	0.04	Q	V			
13+50	0.0251	0.04	Q	V			
13+55	0.0253	0.04	Q	V			
14+ 0	0.0256	0.04	Q	V			
14+ 5	0.0259	0.04	Q	V			
14+10	0.0262	0.05	Q	V			
14+15	0.0266	0.05	Q	V			
14+20	0.0269	0.05	Q	V			
14+25	0.0272	0.05	Q	V			
14+30	0.0275	0.05	Q	V			
14+35	0.0278	0.05	Q	V			
14+40	0.0281	0.05	Q	V			
14+45	0.0284	0.05	Q	V			
14+50	0.0288	0.04	Q	V			
14+55	0.0291	0.04	Q	V			
15+ 0	0.0294	0.04	Q	V			
15+ 5	0.0297	0.04	Q	V			
15+10	0.0299	0.04	Q	V			
15+15	0.0302	0.04	Q	V			
15+20	0.0305	0.04	Q	V			
15+25	0.0308	0.04	Q	V			

15+30	0.0311	0.04	Q				V
15+35	0.0313	0.04	Q				V
15+40	0.0316	0.03	Q				V
15+45	0.0318	0.03	Q				V
15+50	0.0320	0.03	Q				V
15+55	0.0323	0.03	Q				V
16+ 0	0.0325	0.03	Q				V
16+ 5	0.0327	0.02	Q				V
16+10	0.0327	0.01	Q				V
16+15	0.0328	0.01	Q				V
16+20	0.0329	0.01	Q				V
16+25	0.0329	0.01	Q				V
16+30	0.0330	0.01	Q				V
16+35	0.0330	0.01	Q				V
16+40	0.0330	0.01	Q				V
16+45	0.0331	0.01	Q				V
16+50	0.0331	0.01	Q				V
16+55	0.0332	0.01	Q				V
17+ 0	0.0332	0.01	Q				V
17+ 5	0.0332	0.01	Q				V
17+10	0.0333	0.01	Q				V
17+15	0.0333	0.01	Q				V
17+20	0.0334	0.01	Q				V
17+25	0.0335	0.01	Q				V
17+30	0.0335	0.01	Q				V
17+35	0.0336	0.01	Q				V
17+40	0.0336	0.01	Q				V
17+45	0.0337	0.01	Q				V
17+50	0.0338	0.01	Q				V
17+55	0.0338	0.01	Q				V
18+ 0	0.0339	0.01	Q				V
18+ 5	0.0339	0.01	Q				V
18+10	0.0340	0.01	Q				V
18+15	0.0340	0.01	Q				V
18+20	0.0341	0.01	Q				V
18+25	0.0341	0.01	Q				V
18+30	0.0342	0.01	Q				V
18+35	0.0342	0.01	Q				V
18+40	0.0342	0.01	Q				V
18+45	0.0343	0.01	Q				V
18+50	0.0343	0.00	Q				V
18+55	0.0343	0.00	Q				V
19+ 0	0.0344	0.00	Q				V
19+ 5	0.0344	0.00	Q				V
19+10	0.0344	0.00	Q				V
19+15	0.0345	0.01	Q				V
19+20	0.0345	0.01	Q				V
19+25	0.0345	0.01	Q				V
19+30	0.0346	0.01	Q				V
19+35	0.0346	0.01	Q				V

19+40	0.0347	0.01	Q				V
19+45	0.0347	0.01	Q				V
19+50	0.0347	0.00	Q				V
19+55	0.0348	0.00	Q				V
20+ 0	0.0348	0.00	Q				V
20+ 5	0.0348	0.00	Q				V
20+10	0.0349	0.00	Q				V
20+15	0.0349	0.01	Q				V
20+20	0.0349	0.01	Q				V
20+25	0.0350	0.01	Q				V
20+30	0.0350	0.01	Q				V
20+35	0.0350	0.01	Q				V
20+40	0.0351	0.01	Q				V
20+45	0.0351	0.01	Q				V
20+50	0.0351	0.00	Q				V
20+55	0.0352	0.00	Q				V
21+ 0	0.0352	0.00	Q				V
21+ 5	0.0352	0.00	Q				V
21+10	0.0353	0.00	Q				V
21+15	0.0353	0.01	Q				V
21+20	0.0353	0.00	Q				V
21+25	0.0353	0.00	Q				V
21+30	0.0354	0.00	Q				V
21+35	0.0354	0.00	Q				V
21+40	0.0354	0.00	Q				V
21+45	0.0355	0.01	Q				V
21+50	0.0355	0.00	Q				V
21+55	0.0355	0.00	Q				V
22+ 0	0.0355	0.00	Q				V
22+ 5	0.0356	0.00	Q				V
22+10	0.0356	0.00	Q				V
22+15	0.0356	0.01	Q				V
22+20	0.0357	0.00	Q				V
22+25	0.0357	0.00	Q				V
22+30	0.0357	0.00	Q				V
22+35	0.0358	0.00	Q				V
22+40	0.0358	0.00	Q				V
22+45	0.0358	0.00	Q				V
22+50	0.0358	0.00	Q				V
22+55	0.0359	0.00	Q				V
23+ 0	0.0359	0.00	Q				V
23+ 5	0.0359	0.00	Q				V
23+10	0.0359	0.00	Q				V
23+15	0.0359	0.00	Q				V
23+20	0.0360	0.00	Q				V
23+25	0.0360	0.00	Q				V
23+30	0.0360	0.00	Q				V
23+35	0.0360	0.00	Q				V
23+40	0.0361	0.00	Q				V
23+45	0.0361	0.00	Q				V

23+50	0.0361	0.00	Q				V
23+55	0.0361	0.00	Q				V
24+ 0	0.0362	0.00	Q				V
24+ 5	0.0362	0.00	Q				V
24+10	0.0362	0.00	Q				V
24+15	0.0362	0.00	Q				V
24+20	0.0362	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda262.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 2 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.13	2.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	2.65	5.96

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum =		100.000	Sum=
			2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.343)	0.061	0.007
2	0.17	0.60	0.081	(0.343)	0.073	0.008
3	0.25	0.60	0.081	(0.343)	0.073	0.008
4	0.33	0.60	0.081	(0.343)	0.073	0.008
5	0.42	0.60	0.081	(0.343)	0.073	0.008
6	0.50	0.70	0.095	(0.343)	0.085	0.009
7	0.58	0.70	0.095	(0.343)	0.085	0.009
8	0.67	0.70	0.095	(0.343)	0.085	0.009
9	0.75	0.70	0.095	(0.343)	0.085	0.009
10	0.83	0.70	0.095	(0.343)	0.085	0.009
11	0.92	0.70	0.095	(0.343)	0.085	0.009
12	1.00	0.80	0.108	(0.343)	0.098	0.011
13	1.08	0.80	0.108	(0.343)	0.098	0.011
14	1.17	0.80	0.108	(0.343)	0.098	0.011
15	1.25	0.80	0.108	(0.343)	0.098	0.011
16	1.33	0.80	0.108	(0.343)	0.098	0.011
17	1.42	0.80	0.108	(0.343)	0.098	0.011
18	1.50	0.80	0.108	(0.343)	0.098	0.011
19	1.58	0.80	0.108	(0.343)	0.098	0.011
20	1.67	0.80	0.108	(0.343)	0.098	0.011
21	1.75	0.80	0.108	(0.343)	0.098	0.011
22	1.83	0.80	0.108	(0.343)	0.098	0.011
23	1.92	0.80	0.108	(0.343)	0.098	0.011
24	2.00	0.90	0.122	(0.343)	0.110	0.012
25	2.08	0.80	0.108	(0.343)	0.098	0.011
26	2.17	0.90	0.122	(0.343)	0.110	0.012
27	2.25	0.90	0.122	(0.343)	0.110	0.012
28	2.33	0.90	0.122	(0.343)	0.110	0.012
29	2.42	0.90	0.122	(0.343)	0.110	0.012
30	2.50	0.90	0.122	(0.343)	0.110	0.012
31	2.58	0.90	0.122	(0.343)	0.110	0.012
32	2.67	0.90	0.122	(0.343)	0.110	0.012
33	2.75	1.00	0.136	(0.343)	0.122	0.014
34	2.83	1.00	0.136	(0.343)	0.122	0.014
35	2.92	1.00	0.136	(0.343)	0.122	0.014
36	3.00	1.00	0.136	(0.343)	0.122	0.014
37	3.08	1.00	0.136	(0.343)	0.122	0.014
38	3.17	1.10	0.149	(0.343)	0.134	0.015
39	3.25	1.10	0.149	(0.343)	0.134	0.015
40	3.33	1.10	0.149	(0.343)	0.134	0.015
41	3.42	1.20	0.163	(0.343)	0.146	0.016
42	3.50	1.30	0.176	(0.343)	0.159	0.018
43	3.58	1.40	0.190	(0.343)	0.171	0.019
44	3.67	1.40	0.190	(0.343)	0.171	0.019

45	3.75	1.50	0.203	(0.343)	0.183	0.020
46	3.83	1.50	0.203	(0.343)	0.183	0.020
47	3.92	1.60	0.217	(0.343)	0.195	0.022
48	4.00	1.60	0.217	(0.343)	0.195	0.022
49	4.08	1.70	0.231	(0.343)	0.207	0.023
50	4.17	1.80	0.244	(0.343)	0.220	0.024
51	4.25	1.90	0.258	(0.343)	0.232	0.026
52	4.33	2.00	0.271	(0.343)	0.244	0.027
53	4.42	2.10	0.285	(0.343)	0.256	0.028
54	4.50	2.10	0.285	(0.343)	0.256	0.028
55	4.58	2.20	0.298	(0.343)	0.268	0.030
56	4.67	2.30	0.312	(0.343)	0.281	0.031
57	4.75	2.40	0.325	(0.343)	0.293	0.033
58	4.83	2.40	0.325	(0.343)	0.293	0.033
59	4.92	2.50	0.339	(0.343)	0.305	0.034
60	5.00	2.60	0.353	(0.343)	0.317	0.035
61	5.08	3.10	0.420	0.343 (0.378)		0.077
62	5.17	3.60	0.488	0.343 (0.439)		0.145
63	5.25	3.90	0.529	0.343 (0.476)		0.186
64	5.33	4.20	0.570	0.343 (0.513)		0.226
65	5.42	4.70	0.637	0.343 (0.574)		0.294
66	5.50	5.60	0.759	0.343 (0.683)		0.416
67	5.58	1.90	0.258	(0.343)	0.232	0.026
68	5.67	0.90	0.122	(0.343)	0.110	0.012
69	5.75	0.60	0.081	(0.343)	0.073	0.008
70	5.83	0.50	0.068	(0.343)	0.061	0.007
71	5.92	0.30	0.041	(0.343)	0.037	0.004
72	6.00	0.20	0.027	(0.343)	0.024	0.003

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.4

Flood volume = Effective rainfall 0.20(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 0.93(In)
Total soil loss = 0.175(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 1606.6 Cubic Feet
Total soil loss = 7622.6 Cubic Feet

Peak flow rate of this hydrograph = 0.730(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				

0+10	0.0001	0.01	Q				
0+15	0.0002	0.02	Q				
0+20	0.0004	0.02	Q				
0+25	0.0005	0.02	Q				
0+30	0.0006	0.02	Q				
0+35	0.0008	0.02	Q				
0+40	0.0009	0.02	QV				
0+45	0.0011	0.02	QV				
0+50	0.0012	0.02	QV				
0+55	0.0014	0.02	QV				
1+ 0	0.0015	0.02	QV				
1+ 5	0.0017	0.02	QV				
1+10	0.0019	0.02	Q V				
1+15	0.0020	0.02	Q V				
1+20	0.0022	0.02	Q V				
1+25	0.0024	0.02	Q V				
1+30	0.0025	0.02	Q V				
1+35	0.0027	0.02	Q V				
1+40	0.0029	0.02	Q V				
1+45	0.0030	0.02	Q V				
1+50	0.0032	0.02	Q V				
1+55	0.0034	0.02	Q V				
2+ 0	0.0036	0.03	Q V				
2+ 5	0.0037	0.03	Q V				
2+10	0.0039	0.03	Q V				
2+15	0.0041	0.03	Q V				
2+20	0.0043	0.03	Q V				
2+25	0.0045	0.03	Q V				
2+30	0.0047	0.03	Q V				
2+35	0.0049	0.03	Q V				
2+40	0.0051	0.03	Q V				
2+45	0.0053	0.03	Q V				
2+50	0.0055	0.03	Q V				
2+55	0.0057	0.03	Q V				
3+ 0	0.0059	0.03	Q V				
3+ 5	0.0061	0.03	Q V				
3+10	0.0063	0.03	Q V				
3+15	0.0065	0.03	Q V				
3+20	0.0068	0.03	Q V				
3+25	0.0070	0.03	Q V				
3+30	0.0073	0.04	Q V				
3+35	0.0076	0.04	Q V				
3+40	0.0078	0.04	Q V				
3+45	0.0081	0.04	Q V				
3+50	0.0085	0.05	Q V				
3+55	0.0088	0.05	Q V				
4+ 0	0.0091	0.05	Q V				
4+ 5	0.0095	0.05	Q V				
4+10	0.0098	0.05	Q V				
4+15	0.0102	0.06	Q V				

4+20	0.0106	0.06	Q		V					
4+25	0.0110	0.06	Q		V					
4+30	0.0115	0.06	Q		V					
4+35	0.0119	0.07	Q		V					
4+40	0.0124	0.07	Q		V					
4+45	0.0129	0.07	Q		V					
4+50	0.0134	0.07	Q		V					
4+55	0.0139	0.07	Q		V					
5+ 0	0.0144	0.08	Q		V					
5+ 5	0.0152	0.11	Q		V					
5+10	0.0167	0.21	Q		V					
5+15	0.0189	0.33	Q		V					
5+20	0.0219	0.42	Q				V			
5+25	0.0256	0.54	Q				V			
5+30	0.0306	0.73	Q						V	
5+35	0.0345	0.56	Q						V	
5+40	0.0357	0.18	Q						V	
5+45	0.0363	0.09	Q						V	
5+50	0.0367	0.05	Q						V	
5+55	0.0368	0.02	Q						V	
6+ 0	0.0368	0.01	Q						V	
6+ 5	0.0369	0.01	Q						V	
6+10	0.0369	0.00	Q						V	
6+15	0.0369	0.00	Q						V	
6+20	0.0369	0.00	Q						V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda232.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 2 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.82	1.84

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.96	4.41

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum =		100.000	Sum= 2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.343)	0.115	0.013
2	0.17	1.30	0.127	(0.343)	0.115	0.013
3	0.25	1.10	0.108	(0.343)	0.097	0.011
4	0.33	1.50	0.147	(0.343)	0.132	0.015
5	0.42	1.50	0.147	(0.343)	0.132	0.015
6	0.50	1.80	0.176	(0.343)	0.159	0.018
7	0.58	1.50	0.147	(0.343)	0.132	0.015
8	0.67	1.80	0.176	(0.343)	0.159	0.018
9	0.75	1.80	0.176	(0.343)	0.159	0.018
10	0.83	1.50	0.147	(0.343)	0.132	0.015
11	0.92	1.60	0.157	(0.343)	0.141	0.016
12	1.00	1.80	0.176	(0.343)	0.159	0.018
13	1.08	2.20	0.216	(0.343)	0.194	0.022
14	1.17	2.20	0.216	(0.343)	0.194	0.022
15	1.25	2.20	0.216	(0.343)	0.194	0.022
16	1.33	2.00	0.196	(0.343)	0.176	0.020
17	1.42	2.60	0.255	(0.343)	0.229	0.025
18	1.50	2.70	0.265	(0.343)	0.238	0.026
19	1.58	2.40	0.235	(0.343)	0.212	0.024
20	1.67	2.70	0.265	(0.343)	0.238	0.026
21	1.75	3.30	0.324	(0.343)	0.291	0.032
22	1.83	3.10	0.304	(0.343)	0.274	0.030
23	1.92	2.90	0.284	(0.343)	0.256	0.028
24	2.00	3.00	0.294	(0.343)	0.265	0.029
25	2.08	3.10	0.304	(0.343)	0.274	0.030
26	2.17	4.20	0.412	0.343	(0.371)	0.069
27	2.25	5.00	0.490	0.343	(0.441)	0.147
28	2.33	3.50	0.343	(0.343)	0.309	0.034
29	2.42	6.80	0.667	0.343	(0.600)	0.324
30	2.50	7.30	0.716	0.343	(0.644)	0.373
31	2.58	8.20	0.804	0.343	(0.724)	0.461
32	2.67	5.90	0.578	0.343	(0.521)	0.235
33	2.75	2.00	0.196	(0.343)	0.176	0.020
34	2.83	1.80	0.176	(0.343)	0.159	0.018
35	2.92	1.80	0.176	(0.343)	0.159	0.018
36	3.00	0.60	0.059	(0.343)	0.053	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.2

Flood volume = Effective rainfall 0.19(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.63(In)

Total soil loss = 0.118(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 1512.1 Cubic Feet

Total soil loss = 5160.7 Cubic Feet

Peak flow rate of this hydrograph = 0.857(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0002		0.02	Q				
0+15	0.0004		0.03	Q				
0+20	0.0006		0.03	Q				
0+25	0.0008		0.03	Q				
0+30	0.0011		0.04	QV				
0+35	0.0013		0.04	QV				
0+40	0.0016		0.04	QV				
0+45	0.0018		0.04	Q V				
0+50	0.0021		0.04	Q V				
0+55	0.0023		0.04	Q V				
1+ 0	0.0026		0.04	Q V				
1+ 5	0.0029		0.04	Q V				
1+10	0.0032		0.05	Q V				
1+15	0.0035		0.05	Q V				
1+20	0.0039		0.05	Q V				
1+25	0.0042		0.05	Q V				
1+30	0.0046		0.06	Q V				
1+35	0.0050		0.06	Q V				
1+40	0.0054		0.06	Q V				
1+45	0.0058		0.06	Q V				
1+50	0.0063		0.07	Q V				
1+55	0.0068		0.07	Q V				
2+ 0	0.0072		0.07	Q V				
2+ 5	0.0077		0.07	Q V				
2+10	0.0084		0.10	Q V				
2+15	0.0098		0.20	Q V				
2+20	0.0112		0.20	Q V				
2+25	0.0135		0.34	Q V				
2+30	0.0182		0.67	Q V				
2+35	0.0241		0.86	Q V				
2+40	0.0296		0.80	Q V				
2+45	0.0325		0.43	Q V				
2+50	0.0336		0.16	Q V				
2+55	0.0343		0.09	Q V				
3+ 0	0.0346		0.04	Q V				
3+ 5	0.0347		0.01	Q V				

3+10	0.0347	0.00	Q				V
3+15	0.0347	0.00	Q				V
3+20	0.0347	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda212.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 2 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.47	1.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.24	2.79

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.445	36.056
2	0.167	324.890	46.084
3	0.250	487.334	10.507
4	0.333	649.779	4.504
5	0.417	812.224	2.849
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.343)	0.212	0.024
2	0.17	4.30	0.241	(0.343)	0.217	0.024
3	0.25	5.00	0.281	(0.343)	0.253	0.028
4	0.33	5.00	0.281	(0.343)	0.253	0.028
5	0.42	5.80	0.326	(0.343)	0.293	0.033
6	0.50	6.50	0.365	(0.343)	0.329	0.037
7	0.58	7.40	0.416	0.343	(0.374)	0.072
8	0.67	8.60	0.483	0.343	(0.435)	0.140
9	0.75	12.30	0.691	0.343	(0.622)	0.348
10	0.83	29.10	1.634	0.343	(1.471)	1.291
11	0.92	6.80	0.382	0.343	(0.344)	0.039
12	1.00	5.00	0.281	(0.343)	0.253	0.028

(Loss Rate Not Used)

Sum = 100.0 Sum = 2.1

Flood volume = Effective rainfall 0.17(In)
times area 2.3(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.055(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 1423.1 Cubic Feet
Total soil loss = 2399.2 Cubic Feet

Peak flow rate of this hydrograph = 1.483(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0004	0.04	Q				
0+15	0.0008	0.05	Q				
0+20	0.0012	0.06	QV				
0+25	0.0017	0.07	Q V				
0+30	0.0022	0.08	Q V				
0+35	0.0030	0.11	Q V				
0+40	0.0044	0.20	Q V				
0+45	0.0075	0.45	Q V				

0+50	0.0176	1.46		Q				V			
0+55	0.0278	1.48		Q						V	
1+ 0	0.0306	0.42		Q							
1+ 5	0.0320	0.19	Q								
1+10	0.0326	0.09	Q								
1+15	0.0327	0.01	Q								
1+20	0.0327	0.00	Q								

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda224100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.096)	0.010	0.028
2	0.17	0.07	0.038	(0.096)	0.010	0.028
3	0.25	0.07	0.038	(0.095)	0.010	0.028
4	0.33	0.10	0.057	(0.095)	0.015	0.042
5	0.42	0.10	0.057	(0.095)	0.015	0.042
6	0.50	0.10	0.057	(0.094)	0.015	0.042
7	0.58	0.10	0.057	(0.094)	0.015	0.042
8	0.67	0.10	0.057	(0.094)	0.015	0.042
9	0.75	0.10	0.057	(0.093)	0.015	0.042
10	0.83	0.13	0.075	(0.093)	0.020	0.056
11	0.92	0.13	0.075	(0.093)	0.020	0.056
12	1.00	0.13	0.075	(0.092)	0.020	0.056
13	1.08	0.10	0.057	(0.092)	0.015	0.042
14	1.17	0.10	0.057	(0.091)	0.015	0.042
15	1.25	0.10	0.057	(0.091)	0.015	0.042
16	1.33	0.10	0.057	(0.091)	0.015	0.042
17	1.42	0.10	0.057	(0.090)	0.015	0.042
18	1.50	0.10	0.057	(0.090)	0.015	0.042
19	1.58	0.10	0.057	(0.090)	0.015	0.042
20	1.67	0.10	0.057	(0.089)	0.015	0.042
21	1.75	0.10	0.057	(0.089)	0.015	0.042
22	1.83	0.13	0.075	(0.089)	0.020	0.056
23	1.92	0.13	0.075	(0.088)	0.020	0.056
24	2.00	0.13	0.075	(0.088)	0.020	0.056
25	2.08	0.13	0.075	(0.087)	0.020	0.056
26	2.17	0.13	0.075	(0.087)	0.020	0.056
27	2.25	0.13	0.075	(0.087)	0.020	0.056
28	2.33	0.13	0.075	(0.086)	0.020	0.056
29	2.42	0.13	0.075	(0.086)	0.020	0.056
30	2.50	0.13	0.075	(0.086)	0.020	0.056
31	2.58	0.17	0.094	(0.085)	0.024	0.070
32	2.67	0.17	0.094	(0.085)	0.024	0.070
33	2.75	0.17	0.094	(0.085)	0.024	0.070
34	2.83	0.17	0.094	(0.084)	0.024	0.070
35	2.92	0.17	0.094	(0.084)	0.024	0.070
36	3.00	0.17	0.094	(0.084)	0.024	0.070
37	3.08	0.17	0.094	(0.083)	0.024	0.070
38	3.17	0.17	0.094	(0.083)	0.024	0.070
39	3.25	0.17	0.094	(0.083)	0.024	0.070
40	3.33	0.17	0.094	(0.082)	0.024	0.070
41	3.42	0.17	0.094	(0.082)	0.024	0.070
42	3.50	0.17	0.094	(0.082)	0.024	0.070
43	3.58	0.17	0.094	(0.081)	0.024	0.070
44	3.67	0.17	0.094	(0.081)	0.024	0.070
45	3.75	0.17	0.094	(0.081)	0.024	0.070
46	3.83	0.20	0.113	(0.080)	0.029	0.084

47	3.92	0.20	0.113	(0.080)	0.029	0.084
48	4.00	0.20	0.113	(0.080)	0.029	0.084
49	4.08	0.20	0.113	(0.079)	0.029	0.084
50	4.17	0.20	0.113	(0.079)	0.029	0.084
51	4.25	0.20	0.113	(0.079)	0.029	0.084
52	4.33	0.23	0.132	(0.078)	0.034	0.098
53	4.42	0.23	0.132	(0.078)	0.034	0.098
54	4.50	0.23	0.132	(0.078)	0.034	0.098
55	4.58	0.23	0.132	(0.077)	0.034	0.098
56	4.67	0.23	0.132	(0.077)	0.034	0.098
57	4.75	0.23	0.132	(0.077)	0.034	0.098
58	4.83	0.27	0.151	(0.076)	0.039	0.112
59	4.92	0.27	0.151	(0.076)	0.039	0.112
60	5.00	0.27	0.151	(0.076)	0.039	0.112
61	5.08	0.20	0.113	(0.075)	0.029	0.084
62	5.17	0.20	0.113	(0.075)	0.029	0.084
63	5.25	0.20	0.113	(0.075)	0.029	0.084
64	5.33	0.23	0.132	(0.074)	0.034	0.098
65	5.42	0.23	0.132	(0.074)	0.034	0.098
66	5.50	0.23	0.132	(0.074)	0.034	0.098
67	5.58	0.27	0.151	(0.073)	0.039	0.112
68	5.67	0.27	0.151	(0.073)	0.039	0.112
69	5.75	0.27	0.151	(0.073)	0.039	0.112
70	5.83	0.27	0.151	(0.072)	0.039	0.112
71	5.92	0.27	0.151	(0.072)	0.039	0.112
72	6.00	0.27	0.151	(0.072)	0.039	0.112
73	6.08	0.30	0.170	(0.071)	0.044	0.125
74	6.17	0.30	0.170	(0.071)	0.044	0.125
75	6.25	0.30	0.170	(0.071)	0.044	0.125
76	6.33	0.30	0.170	(0.070)	0.044	0.125
77	6.42	0.30	0.170	(0.070)	0.044	0.125
78	6.50	0.30	0.170	(0.070)	0.044	0.125
79	6.58	0.33	0.188	(0.069)	0.049	0.139
80	6.67	0.33	0.188	(0.069)	0.049	0.139
81	6.75	0.33	0.188	(0.069)	0.049	0.139
82	6.83	0.33	0.188	(0.068)	0.049	0.139
83	6.92	0.33	0.188	(0.068)	0.049	0.139
84	7.00	0.33	0.188	(0.068)	0.049	0.139
85	7.08	0.33	0.188	(0.068)	0.049	0.139
86	7.17	0.33	0.188	(0.067)	0.049	0.139
87	7.25	0.33	0.188	(0.067)	0.049	0.139
88	7.33	0.37	0.207	(0.067)	0.054	0.153
89	7.42	0.37	0.207	(0.066)	0.054	0.153
90	7.50	0.37	0.207	(0.066)	0.054	0.153
91	7.58	0.40	0.226	(0.066)	0.059	0.167
92	7.67	0.40	0.226	(0.065)	0.059	0.167
93	7.75	0.40	0.226	(0.065)	0.059	0.167
94	7.83	0.43	0.245	(0.065)	0.064	0.181
95	7.92	0.43	0.245	(0.065)	0.064	0.181
96	8.00	0.43	0.245	(0.064)	0.064	0.181

97	8.08	0.50	0.283	0.064	(0.073)	0.219
98	8.17	0.50	0.283	0.064	(0.073)	0.219
99	8.25	0.50	0.283	0.063	(0.073)	0.219
100	8.33	0.50	0.283	0.063	(0.073)	0.220
101	8.42	0.50	0.283	0.063	(0.073)	0.220
102	8.50	0.50	0.283	0.062	(0.073)	0.220
103	8.58	0.53	0.301	0.062	(0.078)	0.239
104	8.67	0.53	0.301	0.062	(0.078)	0.240
105	8.75	0.53	0.301	0.062	(0.078)	0.240
106	8.83	0.57	0.320	0.061	(0.083)	0.259
107	8.92	0.57	0.320	0.061	(0.083)	0.259
108	9.00	0.57	0.320	0.061	(0.083)	0.260
109	9.08	0.63	0.358	0.060	(0.093)	0.298
110	9.17	0.63	0.358	0.060	(0.093)	0.298
111	9.25	0.63	0.358	0.060	(0.093)	0.298
112	9.33	0.67	0.377	0.060	(0.098)	0.317
113	9.42	0.67	0.377	0.059	(0.098)	0.318
114	9.50	0.67	0.377	0.059	(0.098)	0.318
115	9.58	0.70	0.396	0.059	(0.103)	0.337
116	9.67	0.70	0.396	0.058	(0.103)	0.337
117	9.75	0.70	0.396	0.058	(0.103)	0.337
118	9.83	0.73	0.414	0.058	(0.108)	0.357
119	9.92	0.73	0.414	0.058	(0.108)	0.357
120	10.00	0.73	0.414	0.057	(0.108)	0.357
121	10.08	0.50	0.283	0.057	(0.073)	0.226
122	10.17	0.50	0.283	0.057	(0.073)	0.226
123	10.25	0.50	0.283	0.056	(0.073)	0.226
124	10.33	0.50	0.283	0.056	(0.073)	0.226
125	10.42	0.50	0.283	0.056	(0.073)	0.227
126	10.50	0.50	0.283	0.056	(0.073)	0.227
127	10.58	0.67	0.377	0.055	(0.098)	0.321
128	10.67	0.67	0.377	0.055	(0.098)	0.322
129	10.75	0.67	0.377	0.055	(0.098)	0.322
130	10.83	0.67	0.377	0.055	(0.098)	0.322
131	10.92	0.67	0.377	0.054	(0.098)	0.322
132	11.00	0.67	0.377	0.054	(0.098)	0.323
133	11.08	0.63	0.358	0.054	(0.093)	0.304
134	11.17	0.63	0.358	0.054	(0.093)	0.304
135	11.25	0.63	0.358	0.053	(0.093)	0.305
136	11.33	0.63	0.358	0.053	(0.093)	0.305
137	11.42	0.63	0.358	0.053	(0.093)	0.305
138	11.50	0.63	0.358	0.052	(0.093)	0.305
139	11.58	0.57	0.320	0.052	(0.083)	0.268
140	11.67	0.57	0.320	0.052	(0.083)	0.268
141	11.75	0.57	0.320	0.052	(0.083)	0.269
142	11.83	0.60	0.339	0.051	(0.088)	0.288
143	11.92	0.60	0.339	0.051	(0.088)	0.288
144	12.00	0.60	0.339	0.051	(0.088)	0.288
145	12.08	0.83	0.471	0.051	(0.122)	0.420
146	12.17	0.83	0.471	0.050	(0.122)	0.421

147	12.25	0.83	0.471	0.050	(0.122)	0.421
148	12.33	0.87	0.490	0.050	(0.127)	0.440
149	12.42	0.87	0.490	0.050	(0.127)	0.440
150	12.50	0.87	0.490	0.049	(0.127)	0.440
151	12.58	0.93	0.528	0.049	(0.137)	0.478
152	12.67	0.93	0.528	0.049	(0.137)	0.479
153	12.75	0.93	0.528	0.049	(0.137)	0.479
154	12.83	0.97	0.546	0.048	(0.142)	0.498
155	12.92	0.97	0.546	0.048	(0.142)	0.498
156	13.00	0.97	0.546	0.048	(0.142)	0.498
157	13.08	1.13	0.641	0.048	(0.167)	0.593
158	13.17	1.13	0.641	0.047	(0.167)	0.593
159	13.25	1.13	0.641	0.047	(0.167)	0.593
160	13.33	1.13	0.641	0.047	(0.167)	0.594
161	13.42	1.13	0.641	0.047	(0.167)	0.594
162	13.50	1.13	0.641	0.046	(0.167)	0.594
163	13.58	0.77	0.433	0.046	(0.113)	0.387
164	13.67	0.77	0.433	0.046	(0.113)	0.387
165	13.75	0.77	0.433	0.046	(0.113)	0.388
166	13.83	0.77	0.433	0.046	(0.113)	0.388
167	13.92	0.77	0.433	0.045	(0.113)	0.388
168	14.00	0.77	0.433	0.045	(0.113)	0.388
169	14.08	0.90	0.509	0.045	(0.132)	0.464
170	14.17	0.90	0.509	0.045	(0.132)	0.464
171	14.25	0.90	0.509	0.044	(0.132)	0.464
172	14.33	0.87	0.490	0.044	(0.127)	0.446
173	14.42	0.87	0.490	0.044	(0.127)	0.446
174	14.50	0.87	0.490	0.044	(0.127)	0.446
175	14.58	0.87	0.490	0.043	(0.127)	0.446
176	14.67	0.87	0.490	0.043	(0.127)	0.447
177	14.75	0.87	0.490	0.043	(0.127)	0.447
178	14.83	0.83	0.471	0.043	(0.122)	0.428
179	14.92	0.83	0.471	0.043	(0.122)	0.428
180	15.00	0.83	0.471	0.042	(0.122)	0.429
181	15.08	0.80	0.452	0.042	(0.118)	0.410
182	15.17	0.80	0.452	0.042	(0.118)	0.410
183	15.25	0.80	0.452	0.042	(0.118)	0.410
184	15.33	0.77	0.433	0.042	(0.113)	0.392
185	15.42	0.77	0.433	0.041	(0.113)	0.392
186	15.50	0.77	0.433	0.041	(0.113)	0.392
187	15.58	0.63	0.358	0.041	(0.093)	0.317
188	15.67	0.63	0.358	0.041	(0.093)	0.317
189	15.75	0.63	0.358	0.040	(0.093)	0.317
190	15.83	0.63	0.358	0.040	(0.093)	0.318
191	15.92	0.63	0.358	0.040	(0.093)	0.318
192	16.00	0.63	0.358	0.040	(0.093)	0.318
193	16.08	0.13	0.075	(0.040)	0.020	0.056
194	16.17	0.13	0.075	(0.039)	0.020	0.056
195	16.25	0.13	0.075	(0.039)	0.020	0.056
196	16.33	0.13	0.075	(0.039)	0.020	0.056

197	16.42	0.13	0.075	(0.039)	0.020	0.056
198	16.50	0.13	0.075	(0.039)	0.020	0.056
199	16.58	0.10	0.057	(0.038)	0.015	0.042
200	16.67	0.10	0.057	(0.038)	0.015	0.042
201	16.75	0.10	0.057	(0.038)	0.015	0.042
202	16.83	0.10	0.057	(0.038)	0.015	0.042
203	16.92	0.10	0.057	(0.038)	0.015	0.042
204	17.00	0.10	0.057	(0.037)	0.015	0.042
205	17.08	0.17	0.094	(0.037)	0.024	0.070
206	17.17	0.17	0.094	(0.037)	0.024	0.070
207	17.25	0.17	0.094	(0.037)	0.024	0.070
208	17.33	0.17	0.094	(0.037)	0.024	0.070
209	17.42	0.17	0.094	(0.037)	0.024	0.070
210	17.50	0.17	0.094	(0.036)	0.024	0.070
211	17.58	0.17	0.094	(0.036)	0.024	0.070
212	17.67	0.17	0.094	(0.036)	0.024	0.070
213	17.75	0.17	0.094	(0.036)	0.024	0.070
214	17.83	0.13	0.075	(0.036)	0.020	0.056
215	17.92	0.13	0.075	(0.035)	0.020	0.056
216	18.00	0.13	0.075	(0.035)	0.020	0.056
217	18.08	0.13	0.075	(0.035)	0.020	0.056
218	18.17	0.13	0.075	(0.035)	0.020	0.056
219	18.25	0.13	0.075	(0.035)	0.020	0.056
220	18.33	0.13	0.075	(0.035)	0.020	0.056
221	18.42	0.13	0.075	(0.034)	0.020	0.056
222	18.50	0.13	0.075	(0.034)	0.020	0.056
223	18.58	0.10	0.057	(0.034)	0.015	0.042
224	18.67	0.10	0.057	(0.034)	0.015	0.042
225	18.75	0.10	0.057	(0.034)	0.015	0.042
226	18.83	0.07	0.038	(0.034)	0.010	0.028
227	18.92	0.07	0.038	(0.033)	0.010	0.028
228	19.00	0.07	0.038	(0.033)	0.010	0.028
229	19.08	0.10	0.057	(0.033)	0.015	0.042
230	19.17	0.10	0.057	(0.033)	0.015	0.042
231	19.25	0.10	0.057	(0.033)	0.015	0.042
232	19.33	0.13	0.075	(0.033)	0.020	0.056
233	19.42	0.13	0.075	(0.033)	0.020	0.056
234	19.50	0.13	0.075	(0.032)	0.020	0.056
235	19.58	0.10	0.057	(0.032)	0.015	0.042
236	19.67	0.10	0.057	(0.032)	0.015	0.042
237	19.75	0.10	0.057	(0.032)	0.015	0.042
238	19.83	0.07	0.038	(0.032)	0.010	0.028
239	19.92	0.07	0.038	(0.032)	0.010	0.028
240	20.00	0.07	0.038	(0.032)	0.010	0.028
241	20.08	0.10	0.057	(0.031)	0.015	0.042
242	20.17	0.10	0.057	(0.031)	0.015	0.042
243	20.25	0.10	0.057	(0.031)	0.015	0.042
244	20.33	0.10	0.057	(0.031)	0.015	0.042
245	20.42	0.10	0.057	(0.031)	0.015	0.042
246	20.50	0.10	0.057	(0.031)	0.015	0.042

247	20.58	0.10	0.057	(0.031)	0.015	0.042
248	20.67	0.10	0.057	(0.030)	0.015	0.042
249	20.75	0.10	0.057	(0.030)	0.015	0.042
250	20.83	0.07	0.038	(0.030)	0.010	0.028
251	20.92	0.07	0.038	(0.030)	0.010	0.028
252	21.00	0.07	0.038	(0.030)	0.010	0.028
253	21.08	0.10	0.057	(0.030)	0.015	0.042
254	21.17	0.10	0.057	(0.030)	0.015	0.042
255	21.25	0.10	0.057	(0.030)	0.015	0.042
256	21.33	0.07	0.038	(0.029)	0.010	0.028
257	21.42	0.07	0.038	(0.029)	0.010	0.028
258	21.50	0.07	0.038	(0.029)	0.010	0.028
259	21.58	0.10	0.057	(0.029)	0.015	0.042
260	21.67	0.10	0.057	(0.029)	0.015	0.042
261	21.75	0.10	0.057	(0.029)	0.015	0.042
262	21.83	0.07	0.038	(0.029)	0.010	0.028
263	21.92	0.07	0.038	(0.029)	0.010	0.028
264	22.00	0.07	0.038	(0.029)	0.010	0.028
265	22.08	0.10	0.057	(0.029)	0.015	0.042
266	22.17	0.10	0.057	(0.028)	0.015	0.042
267	22.25	0.10	0.057	(0.028)	0.015	0.042
268	22.33	0.07	0.038	(0.028)	0.010	0.028
269	22.42	0.07	0.038	(0.028)	0.010	0.028
270	22.50	0.07	0.038	(0.028)	0.010	0.028
271	22.58	0.07	0.038	(0.028)	0.010	0.028
272	22.67	0.07	0.038	(0.028)	0.010	0.028
273	22.75	0.07	0.038	(0.028)	0.010	0.028
274	22.83	0.07	0.038	(0.028)	0.010	0.028
275	22.92	0.07	0.038	(0.028)	0.010	0.028
276	23.00	0.07	0.038	(0.028)	0.010	0.028
277	23.08	0.07	0.038	(0.028)	0.010	0.028
278	23.17	0.07	0.038	(0.028)	0.010	0.028
279	23.25	0.07	0.038	(0.027)	0.010	0.028
280	23.33	0.07	0.038	(0.027)	0.010	0.028
281	23.42	0.07	0.038	(0.027)	0.010	0.028
282	23.50	0.07	0.038	(0.027)	0.010	0.028
283	23.58	0.07	0.038	(0.027)	0.010	0.028
284	23.67	0.07	0.038	(0.027)	0.010	0.028
285	23.75	0.07	0.038	(0.027)	0.010	0.028
286	23.83	0.07	0.038	(0.027)	0.010	0.028
287	23.92	0.07	0.038	(0.027)	0.010	0.028
288	24.00	0.07	0.038	(0.027)	0.010	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 47.2

Flood volume = Effective rainfall 3.93(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 1.0(Ac.Ft)

Total soil loss = 0.78(In)

Total soil loss = 0.198(Ac.Ft)

Total rainfall = 4.71(In)

Flood volume = 43676.3 Cubic Feet

Total soil loss = 8641.1 Cubic Feet

Peak flow rate of this hydrograph = 1.833(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.05	Q				
0+10	0.0009	0.08	Q				
0+15	0.0015	0.09	Q				
0+20	0.0022	0.11	Q				
0+25	0.0031	0.13	Q				
0+30	0.0040	0.13	Q				
0+35	0.0049	0.13	Q				
0+40	0.0058	0.13	Q				
0+45	0.0066	0.13	Q				
0+50	0.0077	0.15	Q				
0+55	0.0089	0.17	Q				
1+ 0	0.0100	0.17	Q				
1+ 5	0.0111	0.15	Q				
1+10	0.0120	0.13	Q				
1+15	0.0129	0.13	Q				
1+20	0.0138	0.13	Q				
1+25	0.0146	0.13	Q				
1+30	0.0155	0.13	Q				
1+35	0.0164	0.13	Q				
1+40	0.0173	0.13	Q				
1+45	0.0182	0.13	Q				
1+50	0.0192	0.15	Q				
1+55	0.0204	0.17	Q				
2+ 0	0.0216	0.17	Q				
2+ 5	0.0228	0.17	Q				
2+10	0.0240	0.17	Q				
2+15	0.0252	0.17	QV				
2+20	0.0263	0.17	QV				
2+25	0.0275	0.17	QV				
2+30	0.0287	0.17	QV				
2+35	0.0301	0.20	QV				
2+40	0.0315	0.21	QV				
2+45	0.0330	0.22	QV				
2+50	0.0345	0.22	QV				
2+55	0.0360	0.22	QV				
3+ 0	0.0374	0.22	QV				
3+ 5	0.0389	0.22	QV				

3+10	0.0404	0.22	QV				
3+15	0.0419	0.22	QV				
3+20	0.0434	0.22	QV				
3+25	0.0448	0.22	QV				
3+30	0.0463	0.22	QV				
3+35	0.0478	0.22	QV				
3+40	0.0493	0.22	QV				
3+45	0.0508	0.22	Q V				
3+50	0.0524	0.24	Q V				
3+55	0.0542	0.26	QV				
4+ 0	0.0559	0.26	QV				
4+ 5	0.0577	0.26	QV				
4+10	0.0595	0.26	QV				
4+15	0.0613	0.26	QV				
4+20	0.0632	0.28	QV				
4+25	0.0653	0.30	QV				
4+30	0.0673	0.30	QV				
4+35	0.0694	0.30	QV				
4+40	0.0715	0.30	QV				
4+45	0.0736	0.30	QV				
4+50	0.0758	0.32	Q V				
4+55	0.0782	0.34	Q V				
5+ 0	0.0805	0.34	Q V				
5+ 5	0.0826	0.30	Q V				
5+10	0.0844	0.26	Q V				
5+15	0.0862	0.26	Q V				
5+20	0.0881	0.28	Q V				
5+25	0.0902	0.30	Q V				
5+30	0.0922	0.30	Q V				
5+35	0.0945	0.32	Q V				
5+40	0.0968	0.34	Q V				
5+45	0.0992	0.34	Q V				
5+50	0.1016	0.34	Q V				
5+55	0.1039	0.34	Q V				
6+ 0	0.1063	0.34	Q V				
6+ 5	0.1088	0.37	Q V				
6+10	0.1115	0.38	Q V				
6+15	0.1141	0.39	Q V				
6+20	0.1168	0.39	Q V				
6+25	0.1195	0.39	Q V				
6+30	0.1221	0.39	Q V				
6+35	0.1250	0.41	Q V				
6+40	0.1279	0.43	Q V				
6+45	0.1309	0.43	Q V				
6+50	0.1338	0.43	Q V				
6+55	0.1368	0.43	Q V				
7+ 0	0.1398	0.43	Q V				
7+ 5	0.1427	0.43	Q V				
7+10	0.1457	0.43	Q V				
7+15	0.1486	0.43	Q V				

7+20	0.1518	0.45	Q	V				
7+25	0.1550	0.47	Q	V				
7+30	0.1583	0.47	Q	V				
7+35	0.1617	0.50	Q	V				
7+40	0.1652	0.51	Q	V				
7+45	0.1688	0.52	Q	V				
7+50	0.1725	0.54	Q	V				
7+55	0.1763	0.56	Q	V				
8+ 0	0.1802	0.56	Q	V				
8+ 5	0.1845	0.62	Q	V				
8+10	0.1891	0.67	Q	V				
8+15	0.1937	0.68	Q	V				
8+20	0.1984	0.68	Q	V				
8+25	0.2030	0.68	Q	V				
8+30	0.2077	0.68	Q	V				
8+35	0.2126	0.71	Q	V				
8+40	0.2177	0.73	Q	V				
8+45	0.2228	0.74	Q	V				
8+50	0.2281	0.77	Q	V				
8+55	0.2336	0.80	Q	V				
9+ 0	0.2391	0.80	Q	V				
9+ 5	0.2450	0.86	Q	V				
9+10	0.2513	0.91	Q	V				
9+15	0.2576	0.92	Q	V				
9+20	0.2642	0.95	Q	V				
9+25	0.2709	0.98	Q	V				
9+30	0.2777	0.98	Q	V				
9+35	0.2846	1.01	Q	V				
9+40	0.2918	1.04	Q	V				
9+45	0.2989	1.04	Q	V				
9+50	0.3063	1.07	Q	V				
9+55	0.3139	1.10	Q	V				
10+ 0	0.3215	1.10	Q	V				
10+ 5	0.3275	0.88	Q	V				
10+10	0.3325	0.73	Q	V				
10+15	0.3373	0.70	Q	V				
10+20	0.3421	0.70	Q	V				
10+25	0.3469	0.70	Q	V				
10+30	0.3518	0.70	Q	V				
10+35	0.3577	0.86	Q	V				
10+40	0.3644	0.97	Q	V				
10+45	0.3712	0.99	Q	V				
10+50	0.3781	0.99	Q	V				
10+55	0.3849	0.99	Q	V				
11+ 0	0.3918	1.00	Q	V				
11+ 5	0.3984	0.96	Q	V				
11+10	0.4049	0.94	Q	V				
11+15	0.4114	0.94	Q	V				
11+20	0.4178	0.94	Q	V				
11+25	0.4243	0.94	Q	V				

11+30	0.4308	0.94	Q	V			
11+35	0.4369	0.88	Q	V			
11+40	0.4426	0.84	Q	V			
11+45	0.4483	0.83	Q	V			
11+50	0.4543	0.86	Q	V			
11+55	0.4604	0.88	Q	V			
12+ 0	0.4665	0.89	Q	V			
12+ 5	0.4741	1.11	Q	V			
12+10	0.4829	1.27	Q	V			
12+15	0.4918	1.30	Q	V			
12+20	0.5010	1.33	Q	V			
12+25	0.5103	1.35	Q	V			
12+30	0.5197	1.36	Q	V			
12+35	0.5295	1.42	Q	V			
12+40	0.5396	1.47	Q	V			
12+45	0.5497	1.48	Q	V			
12+50	0.5601	1.51	Q	V			
12+55	0.5707	1.53	Q	V			
13+ 0	0.5813	1.54	Q	V			
13+ 5	0.5930	1.70	Q	V			
13+10	0.6054	1.81	Q	V			
13+15	0.6180	1.83	Q	V			
13+20	0.6306	1.83	Q	V			
13+25	0.6433	1.83	Q	V			
13+30	0.6559	1.83	Q	V			
13+35	0.6661	1.48	Q	V			
13+40	0.6746	1.24	Q	V			
13+45	0.6829	1.20	Q	V			
13+50	0.6911	1.20	Q	V			
13+55	0.6994	1.20	Q	V			
14+ 0	0.7076	1.20	Q	V			
14+ 5	0.7167	1.33	Q	V			
14+10	0.7265	1.41	Q	V			
14+15	0.7363	1.43	Q	V			
14+20	0.7460	1.40	Q	V			
14+25	0.7555	1.38	Q	V			
14+30	0.7650	1.38	Q	V			
14+35	0.7744	1.38	Q	V			
14+40	0.7839	1.38	Q	V			
14+45	0.7934	1.38	Q	V			
14+50	0.8027	1.35	Q	V			
14+55	0.8118	1.33	Q	V			
15+ 0	0.8209	1.32	Q	V			
15+ 5	0.8298	1.29	Q	V			
15+10	0.8386	1.27	Q	V			
15+15	0.8473	1.27	Q	V			
15+20	0.8558	1.23	Q	V			
15+25	0.8641	1.21	Q	V			
15+30	0.8725	1.21	Q	V			
15+35	0.8799	1.08	Q	V			

15+40	0.8868	1.00	Q				V
15+45	0.8935	0.98	Q				V
15+50	0.9003	0.98	Q				V
15+55	0.9070	0.98	Q				V
16+ 0	0.9138	0.98	Q				V
16+ 5	0.9175	0.54	Q				V
16+10	0.9191	0.23	Q				V
16+15	0.9203	0.17	Q				V
16+20	0.9215	0.17	Q				V
16+25	0.9227	0.17	Q				V
16+30	0.9238	0.17	Q				V
16+35	0.9249	0.15	Q				V
16+40	0.9258	0.13	Q				V
16+45	0.9267	0.13	Q				V
16+50	0.9275	0.13	Q				V
16+55	0.9284	0.13	Q				V
17+ 0	0.9293	0.13	Q				V
17+ 5	0.9305	0.18	Q				V
17+10	0.9320	0.21	Q				V
17+15	0.9335	0.22	Q				V
17+20	0.9349	0.22	Q				V
17+25	0.9364	0.22	Q				V
17+30	0.9379	0.22	Q				V
17+35	0.9394	0.22	Q				V
17+40	0.9409	0.22	Q				V
17+45	0.9423	0.22	Q				V
17+50	0.9437	0.19	Q				V
17+55	0.9449	0.18	Q				V
18+ 0	0.9461	0.17	Q				V
18+ 5	0.9472	0.17	Q				V
18+10	0.9484	0.17	Q				V
18+15	0.9496	0.17	Q				V
18+20	0.9508	0.17	Q				V
18+25	0.9520	0.17	Q				V
18+30	0.9532	0.17	Q				V
18+35	0.9542	0.15	Q				V
18+40	0.9551	0.13	Q				V
18+45	0.9560	0.13	Q				V
18+50	0.9567	0.11	Q				V
18+55	0.9573	0.09	Q				V
19+ 0	0.9579	0.09	Q				V
19+ 5	0.9587	0.11	Q				V
19+10	0.9595	0.13	Q				V
19+15	0.9604	0.13	Q				V
19+20	0.9615	0.15	Q				V
19+25	0.9626	0.17	Q				V
19+30	0.9638	0.17	Q				V
19+35	0.9649	0.15	Q				V
19+40	0.9658	0.13	Q				V
19+45	0.9667	0.13	Q				V

19+50	0.9674	0.11	Q				V
19+55	0.9680	0.09	Q				V
20+ 0	0.9686	0.09	Q				V
20+ 5	0.9693	0.11	Q				V
20+10	0.9702	0.13	Q				V
20+15	0.9711	0.13	Q				V
20+20	0.9720	0.13	Q				V
20+25	0.9729	0.13	Q				V
20+30	0.9738	0.13	Q				V
20+35	0.9747	0.13	Q				V
20+40	0.9755	0.13	Q				V
20+45	0.9764	0.13	Q				V
20+50	0.9772	0.11	Q				V
20+55	0.9778	0.09	Q				V
21+ 0	0.9784	0.09	Q				V
21+ 5	0.9791	0.11	Q				V
21+10	0.9800	0.13	Q				V
21+15	0.9809	0.13	Q				V
21+20	0.9816	0.11	Q				V
21+25	0.9822	0.09	Q				V
21+30	0.9828	0.09	Q				V
21+35	0.9836	0.11	Q				V
21+40	0.9844	0.13	Q				V
21+45	0.9853	0.13	Q				V
21+50	0.9860	0.11	Q				V
21+55	0.9867	0.09	Q				V
22+ 0	0.9872	0.09	Q				V
22+ 5	0.9880	0.11	Q				V
22+10	0.9889	0.13	Q				V
22+15	0.9898	0.13	Q				V
22+20	0.9905	0.11	Q				V
22+25	0.9911	0.09	Q				V
22+30	0.9917	0.09	Q				V
22+35	0.9923	0.09	Q				V
22+40	0.9929	0.09	Q				V
22+45	0.9935	0.09	Q				V
22+50	0.9941	0.09	Q				V
22+55	0.9947	0.09	Q				V
23+ 0	0.9952	0.09	Q				V
23+ 5	0.9958	0.09	Q				V
23+10	0.9964	0.09	Q				V
23+15	0.9970	0.09	Q				V
23+20	0.9976	0.09	Q				V
23+25	0.9982	0.09	Q				V
23+30	0.9988	0.09	Q				V
23+35	0.9994	0.09	Q				V
23+40	1.0000	0.09	Q				V
23+45	1.0006	0.09	Q				V
23+50	1.0012	0.09	Q				V
23+55	1.0018	0.09	Q				V

24+ 0	1.0024	0.09	Q				V
24+ 5	1.0026	0.04	Q				V
24+10	1.0027	0.01	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda26100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	(0.054)	0.041	0.118
2	0.17	0.60	0.191	(0.054)	0.050	0.141
3	0.25	0.60	0.191	(0.054)	0.050	0.141
4	0.33	0.60	0.191	(0.054)	0.050	0.141
5	0.42	0.60	0.191	(0.054)	0.050	0.141
6	0.50	0.70	0.223	0.054	(0.058)	0.168
7	0.58	0.70	0.223	0.054	(0.058)	0.168
8	0.67	0.70	0.223	0.054	(0.058)	0.168
9	0.75	0.70	0.223	0.054	(0.058)	0.168
10	0.83	0.70	0.223	0.054	(0.058)	0.168
11	0.92	0.70	0.223	0.054	(0.058)	0.168
12	1.00	0.80	0.254	0.054	(0.066)	0.200
13	1.08	0.80	0.254	0.054	(0.066)	0.200
14	1.17	0.80	0.254	0.054	(0.066)	0.200
15	1.25	0.80	0.254	0.054	(0.066)	0.200
16	1.33	0.80	0.254	0.054	(0.066)	0.200
17	1.42	0.80	0.254	0.054	(0.066)	0.200
18	1.50	0.80	0.254	0.054	(0.066)	0.200
19	1.58	0.80	0.254	0.054	(0.066)	0.200
20	1.67	0.80	0.254	0.054	(0.066)	0.200
21	1.75	0.80	0.254	0.054	(0.066)	0.200
22	1.83	0.80	0.254	0.054	(0.066)	0.200
23	1.92	0.80	0.254	0.054	(0.066)	0.200
24	2.00	0.90	0.286	0.054	(0.074)	0.232
25	2.08	0.80	0.254	0.054	(0.066)	0.200
26	2.17	0.90	0.286	0.054	(0.074)	0.232
27	2.25	0.90	0.286	0.054	(0.074)	0.232
28	2.33	0.90	0.286	0.054	(0.074)	0.232
29	2.42	0.90	0.286	0.054	(0.074)	0.232
30	2.50	0.90	0.286	0.054	(0.074)	0.232
31	2.58	0.90	0.286	0.054	(0.074)	0.232
32	2.67	0.90	0.286	0.054	(0.074)	0.232
33	2.75	1.00	0.318	0.054	(0.083)	0.264
34	2.83	1.00	0.318	0.054	(0.083)	0.264
35	2.92	1.00	0.318	0.054	(0.083)	0.264
36	3.00	1.00	0.318	0.054	(0.083)	0.264
37	3.08	1.00	0.318	0.054	(0.083)	0.264
38	3.17	1.10	0.350	0.054	(0.091)	0.296
39	3.25	1.10	0.350	0.054	(0.091)	0.296
40	3.33	1.10	0.350	0.054	(0.091)	0.296
41	3.42	1.20	0.382	0.054	(0.099)	0.327
42	3.50	1.30	0.413	0.054	(0.107)	0.359
43	3.58	1.40	0.445	0.054	(0.116)	0.391
44	3.67	1.40	0.445	0.054	(0.116)	0.391
45	3.75	1.50	0.477	0.054	(0.124)	0.423
46	3.83	1.50	0.477	0.054	(0.124)	0.423

47	3.92	1.60	0.509	0.054	(0.132)	0.455
48	4.00	1.60	0.509	0.054	(0.132)	0.455
49	4.08	1.70	0.541	0.054	(0.141)	0.486
50	4.17	1.80	0.572	0.054	(0.149)	0.518
51	4.25	1.90	0.604	0.054	(0.157)	0.550
52	4.33	2.00	0.636	0.054	(0.165)	0.582
53	4.42	2.10	0.668	0.054	(0.174)	0.614
54	4.50	2.10	0.668	0.054	(0.174)	0.614
55	4.58	2.20	0.700	0.054	(0.182)	0.645
56	4.67	2.30	0.731	0.054	(0.190)	0.677
57	4.75	2.40	0.763	0.054	(0.198)	0.709
58	4.83	2.40	0.763	0.054	(0.198)	0.709
59	4.92	2.50	0.795	0.054	(0.207)	0.741
60	5.00	2.60	0.827	0.054	(0.215)	0.773
61	5.08	3.10	0.986	0.054	(0.256)	0.932
62	5.17	3.60	1.145	0.054	(0.298)	1.091
63	5.25	3.90	1.240	0.054	(0.322)	1.186
64	5.33	4.20	1.336	0.054	(0.347)	1.281
65	5.42	4.70	1.495	0.054	(0.389)	1.440
66	5.50	5.60	1.781	0.054	(0.463)	1.727
67	5.58	1.90	0.604	0.054	(0.157)	0.550
68	5.67	0.90	0.286	0.054	(0.074)	0.232
69	5.75	0.60	0.191	(0.054)	0.050	0.141
70	5.83	0.50	0.159	(0.054)	0.041	0.118
71	5.92	0.30	0.095	(0.054)	0.025	0.071
72	6.00	0.20	0.064	(0.054)	0.017	0.047

(Loss Rate Not Used)

Sum = 100.0

Sum = 28.0

Flood volume = Effective rainfall 2.33(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.32(In)
Total soil loss = 0.081(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 25925.9 Cubic Feet
Total soil loss = 3509.5 Cubic Feet

Peak flow rate of this hydrograph = 4.892(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0014	0.20	Q				
0+10	0.0040	0.38	VQ				
0+15	0.0069	0.43	VQ				

0+20	0.0099	0.44	VQ				
0+25	0.0129	0.44	VQ				
0+30	0.0162	0.48	Q				
0+35	0.0198	0.51	VQ				
0+40	0.0234	0.52	VQ				
0+45	0.0269	0.52	VQ				
0+50	0.0305	0.52	Q				
0+55	0.0341	0.52	Q				
1+ 0	0.0380	0.57	Q				
1+ 5	0.0422	0.61	Q				
1+10	0.0465	0.62	QV				
1+15	0.0507	0.62	QV				
1+20	0.0550	0.62	QV				
1+25	0.0592	0.62	QV				
1+30	0.0635	0.62	Q V				
1+35	0.0678	0.62	Q V				
1+40	0.0720	0.62	Q V				
1+45	0.0763	0.62	Q V				
1+50	0.0805	0.62	Q V				
1+55	0.0848	0.62	Q V				
2+ 0	0.0894	0.67	Q V				
2+ 5	0.0939	0.65	Q V				
2+10	0.0986	0.68	Q V				
2+15	0.1034	0.71	Q V				
2+20	0.1084	0.72	Q V				
2+25	0.1133	0.72	Q V				
2+30	0.1182	0.72	Q V				
2+35	0.1232	0.72	Q V				
2+40	0.1281	0.72	Q V				
2+45	0.1334	0.77	Q V				
2+50	0.1389	0.81	Q V				
2+55	0.1445	0.81	Q V				
3+ 0	0.1501	0.81	Q V				
3+ 5	0.1558	0.81	Q V				
3+10	0.1617	0.87	Q V				
3+15	0.1680	0.90	Q V				
3+20	0.1742	0.91	Q V				
3+25	0.1809	0.97	Q V				
3+30	0.1882	1.06	Q V				
3+35	0.1961	1.15	Q V				
3+40	0.2044	1.20	Q V				
3+45	0.2131	1.26	Q V				
3+50	0.2220	1.30	Q V				
3+55	0.2313	1.36	Q V				
4+ 0	0.2409	1.40	Q V				
4+ 5	0.2510	1.46	Q V				
4+10	0.2616	1.55	Q V				
4+15	0.2730	1.65	Q V				
4+20	0.2850	1.74	Q V				
4+25	0.2977	1.84	Q V				

4+30	0.3106	1.89		Q		V		
4+35	0.3240	1.95		Q		V		
4+40	0.3381	2.04		Q		V		
4+45	0.3528	2.14		Q		V		
4+50	0.3678	2.18		Q		V		
4+55	0.3832	2.24		Q		V		
5+ 0	0.3993	2.33		Q		V		
5+ 5	0.4175	2.64		Q		V		
5+10	0.4389	3.11			Q		V	
5+15	0.4630	3.49			Q		V	
5+20	0.4891	3.80			Q		V	
5+25	0.5181	4.20			Q		V	
5+30	0.5517	4.89			Q		V	
5+35	0.5743	3.28			Q		V	
5+40	0.5841	1.42		Q			V	
5+45	0.5885	0.63	Q				V	
5+50	0.5913	0.42	Q				V	
5+55	0.5933	0.29	Q				V	
6+ 0	0.5946	0.19	Q				V	
6+ 5	0.5951	0.07	Q				V	
6+10	0.5952	0.01	Q				V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda23100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.054	(0.079)	0.251
2	0.17	1.30	0.306	0.054	(0.079)	0.251
3	0.25	1.10	0.259	0.054	(0.067)	0.204
4	0.33	1.50	0.353	0.054	(0.092)	0.299
5	0.42	1.50	0.353	0.054	(0.092)	0.299
6	0.50	1.80	0.423	0.054	(0.110)	0.369
7	0.58	1.50	0.353	0.054	(0.092)	0.299
8	0.67	1.80	0.423	0.054	(0.110)	0.369
9	0.75	1.80	0.423	0.054	(0.110)	0.369
10	0.83	1.50	0.353	0.054	(0.092)	0.299
11	0.92	1.60	0.376	0.054	(0.098)	0.322
12	1.00	1.80	0.423	0.054	(0.110)	0.369
13	1.08	2.20	0.517	0.054	(0.135)	0.463
14	1.17	2.20	0.517	0.054	(0.135)	0.463
15	1.25	2.20	0.517	0.054	(0.135)	0.463
16	1.33	2.00	0.470	0.054	(0.122)	0.416
17	1.42	2.60	0.612	0.054	(0.159)	0.557
18	1.50	2.70	0.635	0.054	(0.165)	0.581
19	1.58	2.40	0.564	0.054	(0.147)	0.510
20	1.67	2.70	0.635	0.054	(0.165)	0.581
21	1.75	3.30	0.776	0.054	(0.202)	0.722
22	1.83	3.10	0.729	0.054	(0.190)	0.675
23	1.92	2.90	0.682	0.054	(0.177)	0.628
24	2.00	3.00	0.706	0.054	(0.183)	0.651
25	2.08	3.10	0.729	0.054	(0.190)	0.675
26	2.17	4.20	0.988	0.054	(0.257)	0.934
27	2.25	5.00	1.176	0.054	(0.306)	1.122
28	2.33	3.50	0.823	0.054	(0.214)	0.769
29	2.42	6.80	1.599	0.054	(0.416)	1.545
30	2.50	7.30	1.717	0.054	(0.446)	1.663
31	2.58	8.20	1.929	0.054	(0.501)	1.874
32	2.67	5.90	1.388	0.054	(0.361)	1.333
33	2.75	2.00	0.470	0.054	(0.122)	0.416
34	2.83	1.80	0.423	0.054	(0.110)	0.369
35	2.92	1.80	0.423	0.054	(0.110)	0.369
36	3.00	0.60	0.141	(0.054)	0.037	0.104

(Loss Rate Not Used)

Sum = 100.0

Sum = 21.6

Flood volume = Effective rainfall 1.80(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 0.16(In)
Total soil loss = 0.041(Ac.Ft)
Total rainfall = 1.96(In)
Flood volume = 19978.6 Cubic Feet
Total soil loss = 1792.4 Cubic Feet

Peak flow rate of this hydrograph = 5.461(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0029	0.42	VQ					
0+10	0.0079	0.72	V Q					
0+15	0.0127	0.70	VQ					
0+20	0.0182	0.80	V Q					
0+25	0.0244	0.90	VQ					
0+30	0.0316	1.04	V Q					
0+35	0.0385	1.00	VQ					
0+40	0.0457	1.06	VQ					
0+45	0.0535	1.12	Q					
0+50	0.0605	1.02	QV					
0+55	0.0672	0.98	Q V					
1+ 0	0.0746	1.07	Q V					
1+ 5	0.0834	1.29	Q V					
1+10	0.0931	1.41	Q V					
1+15	0.1030	1.43	Q V					
1+20	0.1123	1.35	Q V					
1+25	0.1228	1.53	Q V					
1+30	0.1347	1.73	Q V					
1+35	0.1462	1.67	Q V					
1+40	0.1580	1.71	Q V					
1+45	0.1719	2.01	Q V					
1+50	0.1864	2.12	Q V					
1+55	0.2003	2.01	Q V					
2+ 0	0.2140	1.99	Q V					
2+ 5	0.2281	2.04	Q V					
2+10	0.2454	2.51	Q V					
2+15	0.2670	3.14	Q V					
2+20	0.2865	2.82	Q V					
2+25	0.3124	3.76	Q V					
2+30	0.3454	4.79	Q V					
2+35	0.3830	5.46	Q V					
2+40	0.4162	4.82	Q V					
2+45	0.4347	2.69	Q V					
2+50	0.4444	1.41	Q V					
2+55	0.4523	1.15	Q V					
3+ 0	0.4571	0.69	Q V					
3+ 5	0.4585	0.20	Q V					
3+10	0.4586	0.02	Q V					

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda21100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm = 0.5000

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	281.206	54.665
2	0.167	562.412	38.188
3	0.250	843.618	7.147
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.054	(0.162)	0.571
2	0.17	4.30	0.640	0.054	(0.166)	0.586
3	0.25	5.00	0.744	0.054	(0.193)	0.690
4	0.33	5.00	0.744	0.054	(0.193)	0.690
5	0.42	5.80	0.863	0.054	(0.224)	0.809
6	0.50	6.50	0.967	0.054	(0.251)	0.913
7	0.58	7.40	1.101	0.054	(0.286)	1.047
8	0.67	8.60	1.280	0.054	(0.333)	1.225
9	0.75	12.30	1.830	0.054	(0.476)	1.776
10	0.83	29.10	4.330	0.054	(1.126)	4.276
11	0.92	6.80	1.012	0.054	(0.263)	0.958
12	1.00	5.00	0.744	0.054	(0.193)	0.690

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.2

Flood volume = Effective rainfall 1.19(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.05(In)
Total soil loss = 0.014(Ac.Ft)
Total rainfall = 1.24(In)
Flood volume = 13170.4 Cubic Feet
Total soil loss = 602.9 Cubic Feet

Peak flow rate of this hydrograph = 9.575(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0066	0.96	V Q				
0+10	0.0181	1.66	V Q				
0+15	0.0317	1.98	V Q				
0+20	0.0462	2.11	V Q				
0+25	0.0622	2.33	VQ				
0+30	0.0804	2.64	Q				
0+35	0.1012	3.02	QV				
0+40	0.1254	3.50	Q V				
0+45	0.1575	4.67	Q V				
0+50	0.2235	9.57			V		Q
0+55	0.2720	7.04			Q	V	

1+ 0	0.2943	3.23				Q					V	
1+ 5	0.3013	1.02		Q							V	
1+10	0.3024	0.15	Q								V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda22410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.185)	0.006	0.018
2	0.17	0.07	0.025	(0.184)	0.006	0.018
3	0.25	0.07	0.025	(0.184)	0.006	0.018
4	0.33	0.10	0.037	(0.183)	0.010	0.027
5	0.42	0.10	0.037	(0.182)	0.010	0.027
6	0.50	0.10	0.037	(0.181)	0.010	0.027
7	0.58	0.10	0.037	(0.181)	0.010	0.027
8	0.67	0.10	0.037	(0.180)	0.010	0.027
9	0.75	0.10	0.037	(0.179)	0.010	0.027
10	0.83	0.13	0.049	(0.179)	0.013	0.036
11	0.92	0.13	0.049	(0.178)	0.013	0.036
12	1.00	0.13	0.049	(0.177)	0.013	0.036
13	1.08	0.10	0.037	(0.177)	0.010	0.027
14	1.17	0.10	0.037	(0.176)	0.010	0.027
15	1.25	0.10	0.037	(0.175)	0.010	0.027
16	1.33	0.10	0.037	(0.174)	0.010	0.027
17	1.42	0.10	0.037	(0.174)	0.010	0.027
18	1.50	0.10	0.037	(0.173)	0.010	0.027
19	1.58	0.10	0.037	(0.172)	0.010	0.027
20	1.67	0.10	0.037	(0.172)	0.010	0.027
21	1.75	0.10	0.037	(0.171)	0.010	0.027
22	1.83	0.13	0.049	(0.170)	0.013	0.036
23	1.92	0.13	0.049	(0.170)	0.013	0.036
24	2.00	0.13	0.049	(0.169)	0.013	0.036
25	2.08	0.13	0.049	(0.168)	0.013	0.036
26	2.17	0.13	0.049	(0.168)	0.013	0.036
27	2.25	0.13	0.049	(0.167)	0.013	0.036
28	2.33	0.13	0.049	(0.166)	0.013	0.036
29	2.42	0.13	0.049	(0.166)	0.013	0.036
30	2.50	0.13	0.049	(0.165)	0.013	0.036
31	2.58	0.17	0.061	(0.164)	0.016	0.045
32	2.67	0.17	0.061	(0.164)	0.016	0.045
33	2.75	0.17	0.061	(0.163)	0.016	0.045
34	2.83	0.17	0.061	(0.162)	0.016	0.045
35	2.92	0.17	0.061	(0.161)	0.016	0.045
36	3.00	0.17	0.061	(0.161)	0.016	0.045
37	3.08	0.17	0.061	(0.160)	0.016	0.045
38	3.17	0.17	0.061	(0.159)	0.016	0.045
39	3.25	0.17	0.061	(0.159)	0.016	0.045
40	3.33	0.17	0.061	(0.158)	0.016	0.045
41	3.42	0.17	0.061	(0.158)	0.016	0.045
42	3.50	0.17	0.061	(0.157)	0.016	0.045
43	3.58	0.17	0.061	(0.156)	0.016	0.045
44	3.67	0.17	0.061	(0.156)	0.016	0.045
45	3.75	0.17	0.061	(0.155)	0.016	0.045
46	3.83	0.20	0.074	(0.154)	0.019	0.055

47	3.92	0.20	0.074	(0.154)	0.019	0.055
48	4.00	0.20	0.074	(0.153)	0.019	0.055
49	4.08	0.20	0.074	(0.152)	0.019	0.055
50	4.17	0.20	0.074	(0.152)	0.019	0.055
51	4.25	0.20	0.074	(0.151)	0.019	0.055
52	4.33	0.23	0.086	(0.150)	0.022	0.064
53	4.42	0.23	0.086	(0.150)	0.022	0.064
54	4.50	0.23	0.086	(0.149)	0.022	0.064
55	4.58	0.23	0.086	(0.148)	0.022	0.064
56	4.67	0.23	0.086	(0.148)	0.022	0.064
57	4.75	0.23	0.086	(0.147)	0.022	0.064
58	4.83	0.27	0.098	(0.147)	0.026	0.073
59	4.92	0.27	0.098	(0.146)	0.026	0.073
60	5.00	0.27	0.098	(0.145)	0.026	0.073
61	5.08	0.20	0.074	(0.145)	0.019	0.055
62	5.17	0.20	0.074	(0.144)	0.019	0.055
63	5.25	0.20	0.074	(0.143)	0.019	0.055
64	5.33	0.23	0.086	(0.143)	0.022	0.064
65	5.42	0.23	0.086	(0.142)	0.022	0.064
66	5.50	0.23	0.086	(0.141)	0.022	0.064
67	5.58	0.27	0.098	(0.141)	0.026	0.073
68	5.67	0.27	0.098	(0.140)	0.026	0.073
69	5.75	0.27	0.098	(0.140)	0.026	0.073
70	5.83	0.27	0.098	(0.139)	0.026	0.073
71	5.92	0.27	0.098	(0.138)	0.026	0.073
72	6.00	0.27	0.098	(0.138)	0.026	0.073
73	6.08	0.30	0.111	(0.137)	0.029	0.082
74	6.17	0.30	0.111	(0.137)	0.029	0.082
75	6.25	0.30	0.111	(0.136)	0.029	0.082
76	6.33	0.30	0.111	(0.135)	0.029	0.082
77	6.42	0.30	0.111	(0.135)	0.029	0.082
78	6.50	0.30	0.111	(0.134)	0.029	0.082
79	6.58	0.33	0.123	(0.134)	0.032	0.091
80	6.67	0.33	0.123	(0.133)	0.032	0.091
81	6.75	0.33	0.123	(0.132)	0.032	0.091
82	6.83	0.33	0.123	(0.132)	0.032	0.091
83	6.92	0.33	0.123	(0.131)	0.032	0.091
84	7.00	0.33	0.123	(0.131)	0.032	0.091
85	7.08	0.33	0.123	(0.130)	0.032	0.091
86	7.17	0.33	0.123	(0.129)	0.032	0.091
87	7.25	0.33	0.123	(0.129)	0.032	0.091
88	7.33	0.37	0.135	(0.128)	0.035	0.100
89	7.42	0.37	0.135	(0.128)	0.035	0.100
90	7.50	0.37	0.135	(0.127)	0.035	0.100
91	7.58	0.40	0.148	(0.126)	0.038	0.109
92	7.67	0.40	0.148	(0.126)	0.038	0.109
93	7.75	0.40	0.148	(0.125)	0.038	0.109
94	7.83	0.43	0.160	(0.125)	0.042	0.118
95	7.92	0.43	0.160	(0.124)	0.042	0.118
96	8.00	0.43	0.160	(0.124)	0.042	0.118

97	8.08	0.50	0.184	(0.123)	0.048	0.136
98	8.17	0.50	0.184	(0.122)	0.048	0.136
99	8.25	0.50	0.184	(0.122)	0.048	0.136
100	8.33	0.50	0.184	(0.121)	0.048	0.136
101	8.42	0.50	0.184	(0.121)	0.048	0.136
102	8.50	0.50	0.184	(0.120)	0.048	0.136
103	8.58	0.53	0.197	(0.120)	0.051	0.146
104	8.67	0.53	0.197	(0.119)	0.051	0.146
105	8.75	0.53	0.197	(0.118)	0.051	0.146
106	8.83	0.57	0.209	(0.118)	0.054	0.155
107	8.92	0.57	0.209	(0.117)	0.054	0.155
108	9.00	0.57	0.209	(0.117)	0.054	0.155
109	9.08	0.63	0.234	(0.116)	0.061	0.173
110	9.17	0.63	0.234	(0.116)	0.061	0.173
111	9.25	0.63	0.234	(0.115)	0.061	0.173
112	9.33	0.67	0.246	(0.115)	0.064	0.182
113	9.42	0.67	0.246	(0.114)	0.064	0.182
114	9.50	0.67	0.246	(0.113)	0.064	0.182
115	9.58	0.70	0.258	(0.113)	0.067	0.191
116	9.67	0.70	0.258	(0.112)	0.067	0.191
117	9.75	0.70	0.258	(0.112)	0.067	0.191
118	9.83	0.73	0.270	(0.111)	0.070	0.200
119	9.92	0.73	0.270	(0.111)	0.070	0.200
120	10.00	0.73	0.270	(0.110)	0.070	0.200
121	10.08	0.50	0.184	(0.110)	0.048	0.136
122	10.17	0.50	0.184	(0.109)	0.048	0.136
123	10.25	0.50	0.184	(0.109)	0.048	0.136
124	10.33	0.50	0.184	(0.108)	0.048	0.136
125	10.42	0.50	0.184	(0.108)	0.048	0.136
126	10.50	0.50	0.184	(0.107)	0.048	0.136
127	10.58	0.67	0.246	(0.107)	0.064	0.182
128	10.67	0.67	0.246	(0.106)	0.064	0.182
129	10.75	0.67	0.246	(0.105)	0.064	0.182
130	10.83	0.67	0.246	(0.105)	0.064	0.182
131	10.92	0.67	0.246	(0.104)	0.064	0.182
132	11.00	0.67	0.246	(0.104)	0.064	0.182
133	11.08	0.63	0.234	(0.103)	0.061	0.173
134	11.17	0.63	0.234	(0.103)	0.061	0.173
135	11.25	0.63	0.234	(0.102)	0.061	0.173
136	11.33	0.63	0.234	(0.102)	0.061	0.173
137	11.42	0.63	0.234	(0.101)	0.061	0.173
138	11.50	0.63	0.234	(0.101)	0.061	0.173
139	11.58	0.57	0.209	(0.100)	0.054	0.155
140	11.67	0.57	0.209	(0.100)	0.054	0.155
141	11.75	0.57	0.209	(0.099)	0.054	0.155
142	11.83	0.60	0.221	(0.099)	0.058	0.164
143	11.92	0.60	0.221	(0.098)	0.058	0.164
144	12.00	0.60	0.221	(0.098)	0.058	0.164
145	12.08	0.83	0.307	(0.097)	0.080	0.227
146	12.17	0.83	0.307	(0.097)	0.080	0.227

147	12.25	0.83	0.307	(0.096)	0.080	0.227
148	12.33	0.87	0.320	(0.096)	0.083	0.237
149	12.42	0.87	0.320	(0.096)	0.083	0.237
150	12.50	0.87	0.320	(0.095)	0.083	0.237
151	12.58	0.93	0.344	(0.095)	0.090	0.255
152	12.67	0.93	0.344	(0.094)	0.090	0.255
153	12.75	0.93	0.344	(0.094)	0.090	0.255
154	12.83	0.97	0.357	(0.093)	0.093	0.264
155	12.92	0.97	0.357	0.093	(0.093)	0.264
156	13.00	0.97	0.357	0.092	(0.093)	0.264
157	13.08	1.13	0.418	0.092	(0.109)	0.326
158	13.17	1.13	0.418	0.091	(0.109)	0.327
159	13.25	1.13	0.418	0.091	(0.109)	0.327
160	13.33	1.13	0.418	0.090	(0.109)	0.328
161	13.42	1.13	0.418	0.090	(0.109)	0.328
162	13.50	1.13	0.418	0.089	(0.109)	0.329
163	13.58	0.77	0.283	(0.089)	0.074	0.209
164	13.67	0.77	0.283	(0.088)	0.074	0.209
165	13.75	0.77	0.283	(0.088)	0.074	0.209
166	13.83	0.77	0.283	(0.088)	0.074	0.209
167	13.92	0.77	0.283	(0.087)	0.074	0.209
168	14.00	0.77	0.283	(0.087)	0.074	0.209
169	14.08	0.90	0.332	0.086	(0.086)	0.246
170	14.17	0.90	0.332	0.086	(0.086)	0.246
171	14.25	0.90	0.332	0.085	(0.086)	0.247
172	14.33	0.87	0.320	(0.085)	0.083	0.237
173	14.42	0.87	0.320	(0.085)	0.083	0.237
174	14.50	0.87	0.320	(0.084)	0.083	0.237
175	14.58	0.87	0.320	(0.084)	0.083	0.237
176	14.67	0.87	0.320	(0.083)	0.083	0.237
177	14.75	0.87	0.320	0.083	(0.083)	0.237
178	14.83	0.83	0.307	(0.082)	0.080	0.227
179	14.92	0.83	0.307	(0.082)	0.080	0.227
180	15.00	0.83	0.307	(0.082)	0.080	0.227
181	15.08	0.80	0.295	(0.081)	0.077	0.218
182	15.17	0.80	0.295	(0.081)	0.077	0.218
183	15.25	0.80	0.295	(0.080)	0.077	0.218
184	15.33	0.77	0.283	(0.080)	0.074	0.209
185	15.42	0.77	0.283	(0.079)	0.074	0.209
186	15.50	0.77	0.283	(0.079)	0.074	0.209
187	15.58	0.63	0.234	(0.079)	0.061	0.173
188	15.67	0.63	0.234	(0.078)	0.061	0.173
189	15.75	0.63	0.234	(0.078)	0.061	0.173
190	15.83	0.63	0.234	(0.077)	0.061	0.173
191	15.92	0.63	0.234	(0.077)	0.061	0.173
192	16.00	0.63	0.234	(0.077)	0.061	0.173
193	16.08	0.13	0.049	(0.076)	0.013	0.036
194	16.17	0.13	0.049	(0.076)	0.013	0.036
195	16.25	0.13	0.049	(0.075)	0.013	0.036
196	16.33	0.13	0.049	(0.075)	0.013	0.036

197	16.42	0.13	0.049	(0.075)	0.013	0.036
198	16.50	0.13	0.049	(0.074)	0.013	0.036
199	16.58	0.10	0.037	(0.074)	0.010	0.027
200	16.67	0.10	0.037	(0.074)	0.010	0.027
201	16.75	0.10	0.037	(0.073)	0.010	0.027
202	16.83	0.10	0.037	(0.073)	0.010	0.027
203	16.92	0.10	0.037	(0.072)	0.010	0.027
204	17.00	0.10	0.037	(0.072)	0.010	0.027
205	17.08	0.17	0.061	(0.072)	0.016	0.045
206	17.17	0.17	0.061	(0.071)	0.016	0.045
207	17.25	0.17	0.061	(0.071)	0.016	0.045
208	17.33	0.17	0.061	(0.071)	0.016	0.045
209	17.42	0.17	0.061	(0.070)	0.016	0.045
210	17.50	0.17	0.061	(0.070)	0.016	0.045
211	17.58	0.17	0.061	(0.070)	0.016	0.045
212	17.67	0.17	0.061	(0.069)	0.016	0.045
213	17.75	0.17	0.061	(0.069)	0.016	0.045
214	17.83	0.13	0.049	(0.069)	0.013	0.036
215	17.92	0.13	0.049	(0.068)	0.013	0.036
216	18.00	0.13	0.049	(0.068)	0.013	0.036
217	18.08	0.13	0.049	(0.068)	0.013	0.036
218	18.17	0.13	0.049	(0.067)	0.013	0.036
219	18.25	0.13	0.049	(0.067)	0.013	0.036
220	18.33	0.13	0.049	(0.067)	0.013	0.036
221	18.42	0.13	0.049	(0.066)	0.013	0.036
222	18.50	0.13	0.049	(0.066)	0.013	0.036
223	18.58	0.10	0.037	(0.066)	0.010	0.027
224	18.67	0.10	0.037	(0.065)	0.010	0.027
225	18.75	0.10	0.037	(0.065)	0.010	0.027
226	18.83	0.07	0.025	(0.065)	0.006	0.018
227	18.92	0.07	0.025	(0.064)	0.006	0.018
228	19.00	0.07	0.025	(0.064)	0.006	0.018
229	19.08	0.10	0.037	(0.064)	0.010	0.027
230	19.17	0.10	0.037	(0.063)	0.010	0.027
231	19.25	0.10	0.037	(0.063)	0.010	0.027
232	19.33	0.13	0.049	(0.063)	0.013	0.036
233	19.42	0.13	0.049	(0.063)	0.013	0.036
234	19.50	0.13	0.049	(0.062)	0.013	0.036
235	19.58	0.10	0.037	(0.062)	0.010	0.027
236	19.67	0.10	0.037	(0.062)	0.010	0.027
237	19.75	0.10	0.037	(0.061)	0.010	0.027
238	19.83	0.07	0.025	(0.061)	0.006	0.018
239	19.92	0.07	0.025	(0.061)	0.006	0.018
240	20.00	0.07	0.025	(0.061)	0.006	0.018
241	20.08	0.10	0.037	(0.060)	0.010	0.027
242	20.17	0.10	0.037	(0.060)	0.010	0.027
243	20.25	0.10	0.037	(0.060)	0.010	0.027
244	20.33	0.10	0.037	(0.060)	0.010	0.027
245	20.42	0.10	0.037	(0.059)	0.010	0.027
246	20.50	0.10	0.037	(0.059)	0.010	0.027

247	20.58	0.10	0.037	(0.059)	0.010	0.027
248	20.67	0.10	0.037	(0.059)	0.010	0.027
249	20.75	0.10	0.037	(0.058)	0.010	0.027
250	20.83	0.07	0.025	(0.058)	0.006	0.018
251	20.92	0.07	0.025	(0.058)	0.006	0.018
252	21.00	0.07	0.025	(0.058)	0.006	0.018
253	21.08	0.10	0.037	(0.057)	0.010	0.027
254	21.17	0.10	0.037	(0.057)	0.010	0.027
255	21.25	0.10	0.037	(0.057)	0.010	0.027
256	21.33	0.07	0.025	(0.057)	0.006	0.018
257	21.42	0.07	0.025	(0.057)	0.006	0.018
258	21.50	0.07	0.025	(0.056)	0.006	0.018
259	21.58	0.10	0.037	(0.056)	0.010	0.027
260	21.67	0.10	0.037	(0.056)	0.010	0.027
261	21.75	0.10	0.037	(0.056)	0.010	0.027
262	21.83	0.07	0.025	(0.055)	0.006	0.018
263	21.92	0.07	0.025	(0.055)	0.006	0.018
264	22.00	0.07	0.025	(0.055)	0.006	0.018
265	22.08	0.10	0.037	(0.055)	0.010	0.027
266	22.17	0.10	0.037	(0.055)	0.010	0.027
267	22.25	0.10	0.037	(0.055)	0.010	0.027
268	22.33	0.07	0.025	(0.054)	0.006	0.018
269	22.42	0.07	0.025	(0.054)	0.006	0.018
270	22.50	0.07	0.025	(0.054)	0.006	0.018
271	22.58	0.07	0.025	(0.054)	0.006	0.018
272	22.67	0.07	0.025	(0.054)	0.006	0.018
273	22.75	0.07	0.025	(0.054)	0.006	0.018
274	22.83	0.07	0.025	(0.053)	0.006	0.018
275	22.92	0.07	0.025	(0.053)	0.006	0.018
276	23.00	0.07	0.025	(0.053)	0.006	0.018
277	23.08	0.07	0.025	(0.053)	0.006	0.018
278	23.17	0.07	0.025	(0.053)	0.006	0.018
279	23.25	0.07	0.025	(0.053)	0.006	0.018
280	23.33	0.07	0.025	(0.053)	0.006	0.018
281	23.42	0.07	0.025	(0.053)	0.006	0.018
282	23.50	0.07	0.025	(0.053)	0.006	0.018
283	23.58	0.07	0.025	(0.052)	0.006	0.018
284	23.67	0.07	0.025	(0.052)	0.006	0.018
285	23.75	0.07	0.025	(0.052)	0.006	0.018
286	23.83	0.07	0.025	(0.052)	0.006	0.018
287	23.92	0.07	0.025	(0.052)	0.006	0.018
288	24.00	0.07	0.025	(0.052)	0.006	0.018

(Loss Rate Not Used)

Sum = 100.0

Sum = 27.4

Flood volume = Effective rainfall 2.28(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)

Total soil loss = 0.79(In)

Total soil loss = 0.201(Ac.Ft)

Total rainfall = 3.07(In)

Flood volume = 25368.0 Cubic Feet

Total soil loss = 8774.1 Cubic Feet

Peak flow rate of this hydrograph = 1.013(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0006	0.05	Q				
0+15	0.0010	0.06	Q				
0+20	0.0014	0.07	Q				
0+25	0.0020	0.08	Q				
0+30	0.0026	0.08	Q				
0+35	0.0032	0.08	Q				
0+40	0.0038	0.08	Q				
0+45	0.0043	0.08	Q				
0+50	0.0050	0.10	Q				
0+55	0.0058	0.11	Q				
1+ 0	0.0066	0.11	Q				
1+ 5	0.0072	0.10	Q				
1+10	0.0078	0.09	Q				
1+15	0.0084	0.08	Q				
1+20	0.0090	0.08	Q				
1+25	0.0096	0.08	Q				
1+30	0.0101	0.08	Q				
1+35	0.0107	0.08	Q				
1+40	0.0113	0.08	Q				
1+45	0.0119	0.08	Q				
1+50	0.0126	0.10	Q				
1+55	0.0133	0.11	Q				
2+ 0	0.0141	0.11	Q				
2+ 5	0.0149	0.11	QV				
2+10	0.0156	0.11	QV				
2+15	0.0164	0.11	QV				
2+20	0.0172	0.11	QV				
2+25	0.0180	0.11	QV				
2+30	0.0187	0.11	QV				
2+35	0.0196	0.13	QV				
2+40	0.0206	0.14	QV				
2+45	0.0215	0.14	QV				
2+50	0.0225	0.14	QV				
2+55	0.0235	0.14	QV				
3+ 0	0.0244	0.14	QV				
3+ 5	0.0254	0.14	QV				

3+10	0.0264	0.14	QV				
3+15	0.0273	0.14	QV				
3+20	0.0283	0.14	QV				
3+25	0.0293	0.14	Q V				
3+30	0.0302	0.14	Q V				
3+35	0.0312	0.14	Q V				
3+40	0.0322	0.14	Q V				
3+45	0.0331	0.14	Q V				
3+50	0.0342	0.16	Q V				
3+55	0.0354	0.17	Q V				
4+ 0	0.0365	0.17	Q V				
4+ 5	0.0377	0.17	Q V				
4+10	0.0388	0.17	Q V				
4+15	0.0400	0.17	Q V				
4+20	0.0413	0.18	Q V				
4+25	0.0426	0.19	Q V				
4+30	0.0440	0.20	Q V				
4+35	0.0453	0.20	Q V				
4+40	0.0467	0.20	Q V				
4+45	0.0480	0.20	Q V				
4+50	0.0495	0.21	Q V				
4+55	0.0510	0.22	Q V				
5+ 0	0.0525	0.22	Q V				
5+ 5	0.0539	0.19	Q V				
5+10	0.0551	0.17	Q V				
5+15	0.0562	0.17	Q V				
5+20	0.0575	0.18	Q V				
5+25	0.0588	0.19	Q V				
5+30	0.0602	0.20	Q V				
5+35	0.0616	0.21	Q V				
5+40	0.0632	0.22	Q V				
5+45	0.0647	0.22	Q V				
5+50	0.0663	0.22	Q V				
5+55	0.0678	0.22	Q V				
6+ 0	0.0694	0.22	Q V				
6+ 5	0.0710	0.24	Q V				
6+10	0.0727	0.25	Q V				
6+15	0.0745	0.25	Q V				
6+20	0.0762	0.25	Q V				
6+25	0.0780	0.25	Q V				
6+30	0.0797	0.25	Q V				
6+35	0.0816	0.27	Q V				
6+40	0.0835	0.28	Q V				
6+45	0.0854	0.28	Q V				
6+50	0.0873	0.28	Q V				
6+55	0.0893	0.28	Q V				
7+ 0	0.0912	0.28	Q V				
7+ 5	0.0931	0.28	Q V				
7+10	0.0951	0.28	Q V				
7+15	0.0970	0.28	Q V				

7+20	0.0990	0.30	Q	V				
7+25	0.1012	0.31	Q	V				
7+30	0.1033	0.31	Q	V				
7+35	0.1055	0.32	Q	V				
7+40	0.1078	0.33	Q	V				
7+45	0.1101	0.34	Q	V				
7+50	0.1126	0.35	Q	V				
7+55	0.1151	0.36	Q	V				
8+ 0	0.1176	0.36	Q	V				
8+ 5	0.1203	0.40	Q	V				
8+10	0.1232	0.42	Q	V				
8+15	0.1261	0.42	Q	V				
8+20	0.1290	0.42	Q	V				
8+25	0.1319	0.42	Q	V				
8+30	0.1348	0.42	Q	V				
8+35	0.1378	0.44	Q	V				
8+40	0.1409	0.45	Q	V				
8+45	0.1440	0.45	Q	V				
8+50	0.1472	0.46	Q	V				
8+55	0.1504	0.48	Q	V				
9+ 0	0.1537	0.48	Q	V				
9+ 5	0.1572	0.51	Q	V				
9+10	0.1609	0.53	Q	V				
9+15	0.1645	0.53	Q	V				
9+20	0.1683	0.55	Q	V				
9+25	0.1722	0.56	Q	V				
9+30	0.1760	0.56	Q	V				
9+35	0.1800	0.58	Q	V				
9+40	0.1841	0.59	Q	V				
9+45	0.1881	0.59	Q	V				
9+50	0.1923	0.60	Q	V				
9+55	0.1965	0.62	Q	V				
10+ 0	0.2008	0.62	Q	V				
10+ 5	0.2043	0.51	Q	V				
10+10	0.2073	0.44	Q	V				
10+15	0.2102	0.42	Q	V				
10+20	0.2131	0.42	Q	V				
10+25	0.2160	0.42	Q	V				
10+30	0.2189	0.42	Q	V				
10+35	0.2223	0.50	Q	V				
10+40	0.2261	0.55	Q	V				
10+45	0.2300	0.56	Q	V				
10+50	0.2338	0.56	Q	V				
10+55	0.2377	0.56	Q	V				
11+ 0	0.2416	0.56	Q	V				
11+ 5	0.2453	0.55	Q	V				
11+10	0.2490	0.54	Q	V				
11+15	0.2527	0.53	Q	V				
11+20	0.2564	0.53	Q	V				
11+25	0.2600	0.53	Q	V				

11+30	0.2637	0.53	Q	V			
11+35	0.2672	0.50	Q	V			
11+40	0.2705	0.48	Q	V			
11+45	0.2738	0.48	Q	V			
11+50	0.2772	0.49	Q	V			
11+55	0.2806	0.50	Q	V			
12+ 0	0.2841	0.51	Q	V			
12+ 5	0.2883	0.61	Q	V			
12+10	0.2931	0.69	Q	V			
12+15	0.2979	0.70	Q	V			
12+20	0.3028	0.72	Q	V			
12+25	0.3079	0.73	Q	V			
12+30	0.3129	0.73	Q	V			
12+35	0.3181	0.76	Q	V			
12+40	0.3235	0.78	Q	V			
12+45	0.3289	0.79	Q	V			
12+50	0.3344	0.80	Q	V			
12+55	0.3400	0.81	Q	V			
13+ 0	0.3456	0.82	Q	V			
13+ 5	0.3520	0.92	Q	V			
13+10	0.3588	0.99	Q	V			
13+15	0.3658	1.01	Q	V			
13+20	0.3727	1.01	Q	V			
13+25	0.3797	1.01	Q	V			
13+30	0.3867	1.01	Q	V			
13+35	0.3923	0.81	Q	V			
13+40	0.3969	0.67	Q	V			
13+45	0.4014	0.65	Q	V			
13+50	0.4058	0.65	Q	V			
13+55	0.4102	0.65	Q	V			
14+ 0	0.4147	0.65	Q	V			
14+ 5	0.4196	0.71	Q	V			
14+10	0.4247	0.75	Q	V			
14+15	0.4300	0.76	Q	V			
14+20	0.4351	0.74	Q	V			
14+25	0.4401	0.73	Q	V			
14+30	0.4452	0.73	Q	V			
14+35	0.4502	0.73	Q	V			
14+40	0.4552	0.73	Q	V			
14+45	0.4602	0.73	Q	V			
14+50	0.4652	0.71	Q	V			
14+55	0.4700	0.70	Q	V			
15+ 0	0.4749	0.70	Q	V			
15+ 5	0.4796	0.69	Q	V			
15+10	0.4842	0.68	Q	V			
15+15	0.4889	0.67	Q	V			
15+20	0.4934	0.66	Q	V			
15+25	0.4979	0.65	Q	V			
15+30	0.5023	0.65	Q	V			
15+35	0.5063	0.58	Q	V			

15+40	0.5101	0.54	Q				V
15+45	0.5137	0.53	Q				V
15+50	0.5174	0.53	Q				V
15+55	0.5211	0.53	Q				V
16+ 0	0.5248	0.53	Q				V
16+ 5	0.5268	0.30	Q				V
16+10	0.5278	0.14	Q				V
16+15	0.5286	0.11	Q				V
16+20	0.5294	0.11	Q				V
16+25	0.5301	0.11	Q				V
16+30	0.5309	0.11	Q				V
16+35	0.5316	0.10	Q				V
16+40	0.5322	0.09	Q				V
16+45	0.5328	0.08	Q				V
16+50	0.5333	0.08	Q				V
16+55	0.5339	0.08	Q				V
17+ 0	0.5345	0.08	Q				V
17+ 5	0.5353	0.11	Q				V
17+10	0.5362	0.14	Q				V
17+15	0.5372	0.14	Q				V
17+20	0.5382	0.14	Q				V
17+25	0.5391	0.14	Q				V
17+30	0.5401	0.14	Q				V
17+35	0.5411	0.14	Q				V
17+40	0.5420	0.14	Q				V
17+45	0.5430	0.14	Q				V
17+50	0.5439	0.13	Q				V
17+55	0.5446	0.11	Q				V
18+ 0	0.5454	0.11	Q				V
18+ 5	0.5462	0.11	Q				V
18+10	0.5470	0.11	Q				V
18+15	0.5477	0.11	Q				V
18+20	0.5485	0.11	Q				V
18+25	0.5493	0.11	Q				V
18+30	0.5501	0.11	Q				V
18+35	0.5507	0.10	Q				V
18+40	0.5513	0.09	Q				V
18+45	0.5519	0.08	Q				V
18+50	0.5524	0.07	Q				V
18+55	0.5528	0.06	Q				V
19+ 0	0.5532	0.06	Q				V
19+ 5	0.5537	0.07	Q				V
19+10	0.5542	0.08	Q				V
19+15	0.5548	0.08	Q				V
19+20	0.5555	0.10	Q				V
19+25	0.5562	0.11	Q				V
19+30	0.5570	0.11	Q				V
19+35	0.5577	0.10	Q				V
19+40	0.5583	0.09	Q				V
19+45	0.5589	0.08	Q				V

19+50	0.5593	0.07	Q				V
19+55	0.5597	0.06	Q				V
20+ 0	0.5601	0.06	Q				V
20+ 5	0.5606	0.07	Q				V
20+10	0.5612	0.08	Q				V
20+15	0.5618	0.08	Q				V
20+20	0.5623	0.08	Q				V
20+25	0.5629	0.08	Q				V
20+30	0.5635	0.08	Q				V
20+35	0.5641	0.08	Q				V
20+40	0.5647	0.08	Q				V
20+45	0.5652	0.08	Q				V
20+50	0.5657	0.07	Q				V
20+55	0.5661	0.06	Q				V
21+ 0	0.5665	0.06	Q				V
21+ 5	0.5670	0.07	Q				V
21+10	0.5676	0.08	Q				V
21+15	0.5681	0.08	Q				V
21+20	0.5686	0.07	Q				V
21+25	0.5690	0.06	Q				V
21+30	0.5694	0.06	Q				V
21+35	0.5699	0.07	Q				V
21+40	0.5705	0.08	Q				V
21+45	0.5710	0.08	Q				V
21+50	0.5715	0.07	Q				V
21+55	0.5719	0.06	Q				V
22+ 0	0.5723	0.06	Q				V
22+ 5	0.5728	0.07	Q				V
22+10	0.5734	0.08	Q				V
22+15	0.5739	0.08	Q				V
22+20	0.5744	0.07	Q				V
22+25	0.5748	0.06	Q				V
22+30	0.5752	0.06	Q				V
22+35	0.5756	0.06	Q				V
22+40	0.5760	0.06	Q				V
22+45	0.5764	0.06	Q				V
22+50	0.5768	0.06	Q				V
22+55	0.5771	0.06	Q				V
23+ 0	0.5775	0.06	Q				V
23+ 5	0.5779	0.06	Q				V
23+10	0.5783	0.06	Q				V
23+15	0.5787	0.06	Q				V
23+20	0.5791	0.06	Q				V
23+25	0.5795	0.06	Q				V
23+30	0.5798	0.06	Q				V
23+35	0.5802	0.06	Q				V
23+40	0.5806	0.06	Q				V
23+45	0.5810	0.06	Q				V
23+50	0.5814	0.06	Q				V
23+55	0.5818	0.06	Q				V

24+ 0	0.5822	0.06	Q				V
24+ 5	0.5823	0.03	Q				V
24+10	0.5824	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda2610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.104)	0.027	0.078
2	0.17	0.60	0.126	(0.104)	0.033	0.094
3	0.25	0.60	0.126	(0.104)	0.033	0.094
4	0.33	0.60	0.126	(0.104)	0.033	0.094
5	0.42	0.60	0.126	(0.104)	0.033	0.094
6	0.50	0.70	0.147	(0.104)	0.038	0.109
7	0.58	0.70	0.147	(0.104)	0.038	0.109
8	0.67	0.70	0.147	(0.104)	0.038	0.109
9	0.75	0.70	0.147	(0.104)	0.038	0.109
10	0.83	0.70	0.147	(0.104)	0.038	0.109
11	0.92	0.70	0.147	(0.104)	0.038	0.109
12	1.00	0.80	0.169	(0.104)	0.044	0.125
13	1.08	0.80	0.169	(0.104)	0.044	0.125
14	1.17	0.80	0.169	(0.104)	0.044	0.125
15	1.25	0.80	0.169	(0.104)	0.044	0.125
16	1.33	0.80	0.169	(0.104)	0.044	0.125
17	1.42	0.80	0.169	(0.104)	0.044	0.125
18	1.50	0.80	0.169	(0.104)	0.044	0.125
19	1.58	0.80	0.169	(0.104)	0.044	0.125
20	1.67	0.80	0.169	(0.104)	0.044	0.125
21	1.75	0.80	0.169	(0.104)	0.044	0.125
22	1.83	0.80	0.169	(0.104)	0.044	0.125
23	1.92	0.80	0.169	(0.104)	0.044	0.125
24	2.00	0.90	0.190	(0.104)	0.049	0.140
25	2.08	0.80	0.169	(0.104)	0.044	0.125
26	2.17	0.90	0.190	(0.104)	0.049	0.140
27	2.25	0.90	0.190	(0.104)	0.049	0.140
28	2.33	0.90	0.190	(0.104)	0.049	0.140
29	2.42	0.90	0.190	(0.104)	0.049	0.140
30	2.50	0.90	0.190	(0.104)	0.049	0.140
31	2.58	0.90	0.190	(0.104)	0.049	0.140
32	2.67	0.90	0.190	(0.104)	0.049	0.140
33	2.75	1.00	0.211	(0.104)	0.055	0.156
34	2.83	1.00	0.211	(0.104)	0.055	0.156
35	2.92	1.00	0.211	(0.104)	0.055	0.156
36	3.00	1.00	0.211	(0.104)	0.055	0.156
37	3.08	1.00	0.211	(0.104)	0.055	0.156
38	3.17	1.10	0.232	(0.104)	0.060	0.171
39	3.25	1.10	0.232	(0.104)	0.060	0.171
40	3.33	1.10	0.232	(0.104)	0.060	0.171
41	3.42	1.20	0.253	(0.104)	0.066	0.187
42	3.50	1.30	0.274	(0.104)	0.071	0.203
43	3.58	1.40	0.295	(0.104)	0.077	0.218
44	3.67	1.40	0.295	(0.104)	0.077	0.218
45	3.75	1.50	0.316	(0.104)	0.082	0.234
46	3.83	1.50	0.316	(0.104)	0.082	0.234

47	3.92	1.60	0.337	(0.104)	0.088	0.249
48	4.00	1.60	0.337	(0.104)	0.088	0.249
49	4.08	1.70	0.358	(0.104)	0.093	0.265
50	4.17	1.80	0.379	(0.104)	0.099	0.281
51	4.25	1.90	0.400	(0.104)	0.104	0.296
52	4.33	2.00	0.421	0.104	(0.110)	0.317
53	4.42	2.10	0.442	0.104	(0.115)	0.338
54	4.50	2.10	0.442	0.104	(0.115)	0.338
55	4.58	2.20	0.463	0.104	(0.120)	0.359
56	4.67	2.30	0.484	0.104	(0.126)	0.380
57	4.75	2.40	0.506	0.104	(0.131)	0.401
58	4.83	2.40	0.506	0.104	(0.131)	0.401
59	4.92	2.50	0.527	0.104	(0.137)	0.422
60	5.00	2.60	0.548	0.104	(0.142)	0.443
61	5.08	3.10	0.653	0.104	(0.170)	0.549
62	5.17	3.60	0.758	0.104	(0.197)	0.654
63	5.25	3.90	0.821	0.104	(0.214)	0.717
64	5.33	4.20	0.885	0.104	(0.230)	0.780
65	5.42	4.70	0.990	0.104	(0.257)	0.886
66	5.50	5.60	1.180	0.104	(0.307)	1.075
67	5.58	1.90	0.400	(0.104)	0.104	0.296
68	5.67	0.90	0.190	(0.104)	0.049	0.140
69	5.75	0.60	0.126	(0.104)	0.033	0.094
70	5.83	0.50	0.105	(0.104)	0.027	0.078
71	5.92	0.30	0.063	(0.104)	0.016	0.047
72	6.00	0.20	0.042	(0.104)	0.011	0.031

(Loss Rate Not Used)

Sum = 100.0

Sum = 16.5

Flood volume = Effective rainfall 1.38(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.38(In)
Total soil loss = 0.096(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 15295.7 Cubic Feet
Total soil loss = 4202.0 Cubic Feet

Peak flow rate of this hydrograph = 3.029(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0009	0.13	Q				
0+10	0.0026	0.25	Q				
0+15	0.0046	0.29	VQ				

0+20	0.0066	0.29	VQ				
0+25	0.0086	0.29	VQ				
0+30	0.0107	0.31	Q				
0+35	0.0130	0.33	Q				
0+40	0.0153	0.34	Q				
0+45	0.0177	0.34	QV				
0+50	0.0200	0.34	QV				
0+55	0.0223	0.34	QV				
1+ 0	0.0248	0.36	QV				
1+ 5	0.0274	0.38	Q V				
1+10	0.0301	0.38	Q V				
1+15	0.0327	0.38	Q V				
1+20	0.0354	0.38	Q V				
1+25	0.0380	0.38	Q V				
1+30	0.0407	0.38	Q V				
1+35	0.0433	0.38	Q V				
1+40	0.0460	0.38	Q V				
1+45	0.0486	0.38	Q V				
1+50	0.0513	0.38	Q V				
1+55	0.0539	0.38	Q V				
2+ 0	0.0568	0.41	Q V				
2+ 5	0.0595	0.40	Q V				
2+10	0.0624	0.41	Q V				
2+15	0.0653	0.43	Q V				
2+20	0.0683	0.43	Q V				
2+25	0.0713	0.43	Q V				
2+30	0.0743	0.43	Q V				
2+35	0.0773	0.43	Q V				
2+40	0.0802	0.43	Q V				
2+45	0.0834	0.46	Q V				
2+50	0.0867	0.48	Q V				
2+55	0.0900	0.48	Q V				
3+ 0	0.0933	0.48	Q V				
3+ 5	0.0966	0.48	Q V				
3+10	0.1001	0.51	Q V				
3+15	0.1037	0.53	Q V				
3+20	0.1074	0.53	Q V				
3+25	0.1112	0.56	Q V				
3+30	0.1154	0.60	Q V				
3+35	0.1198	0.65	Q V				
3+40	0.1244	0.67	Q V				
3+45	0.1292	0.70	Q V				
3+50	0.1342	0.72	Q V				
3+55	0.1393	0.75	Q V				
4+ 0	0.1446	0.77	Q V				
4+ 5	0.1501	0.80	Q V				
4+10	0.1559	0.84	Q V				
4+15	0.1620	0.89	Q V				
4+20	0.1685	0.95	Q V				
4+25	0.1755	1.01	Q V				

4+30	0.1826	1.04		Q			V			
4+35	0.1900	1.08		Q			V			
4+40	0.1979	1.14		Q			V			
4+45	0.2062	1.20		Q			V			
4+50	0.2147	1.23		Q			V			
4+55	0.2234	1.27		Q			V			
5+ 0	0.2326	1.33		Q			V			
5+ 5	0.2432	1.54			Q		V			
5+10	0.2559	1.85			Q		V			
5+15	0.2704	2.10			Q		V			
5+20	0.2863	2.31			Q		V		V	
5+25	0.3040	2.57			Q				V	
5+30	0.3249	3.03				Q				V
5+35	0.3384	1.96			Q					V
5+40	0.3440	0.82		Q						V
5+45	0.3467	0.39		Q						V
5+50	0.3486	0.27		Q						V
5+55	0.3499	0.19		Q						V
6+ 0	0.3508	0.12		Q						V
6+ 5	0.3511	0.05		Q						V
6+10	0.3511	0.01		Q						V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda2310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	(0.104)	0.052	0.149
2	0.17	1.30	0.201	(0.104)	0.052	0.149
3	0.25	1.10	0.170	(0.104)	0.044	0.126
4	0.33	1.50	0.232	(0.104)	0.060	0.171
5	0.42	1.50	0.232	(0.104)	0.060	0.171
6	0.50	1.80	0.278	(0.104)	0.072	0.206
7	0.58	1.50	0.232	(0.104)	0.060	0.171
8	0.67	1.80	0.278	(0.104)	0.072	0.206
9	0.75	1.80	0.278	(0.104)	0.072	0.206
10	0.83	1.50	0.232	(0.104)	0.060	0.171
11	0.92	1.60	0.247	(0.104)	0.064	0.183
12	1.00	1.80	0.278	(0.104)	0.072	0.206
13	1.08	2.20	0.340	(0.104)	0.088	0.251
14	1.17	2.20	0.340	(0.104)	0.088	0.251
15	1.25	2.20	0.340	(0.104)	0.088	0.251
16	1.33	2.00	0.309	(0.104)	0.080	0.229
17	1.42	2.60	0.402	0.104	(0.104)	0.297
18	1.50	2.70	0.417	0.104	(0.108)	0.313
19	1.58	2.40	0.371	(0.104)	0.096	0.274
20	1.67	2.70	0.417	0.104	(0.108)	0.313
21	1.75	3.30	0.510	0.104	(0.133)	0.405
22	1.83	3.10	0.479	0.104	(0.125)	0.374
23	1.92	2.90	0.448	0.104	(0.116)	0.344
24	2.00	3.00	0.463	0.104	(0.120)	0.359
25	2.08	3.10	0.479	0.104	(0.125)	0.374
26	2.17	4.20	0.649	0.104	(0.169)	0.544
27	2.25	5.00	0.772	0.104	(0.201)	0.668
28	2.33	3.50	0.541	0.104	(0.141)	0.436
29	2.42	6.80	1.050	0.104	(0.273)	0.946
30	2.50	7.30	1.128	0.104	(0.293)	1.023
31	2.58	8.20	1.267	0.104	(0.329)	1.162
32	2.67	5.90	0.911	0.104	(0.237)	0.807
33	2.75	2.00	0.309	(0.104)	0.080	0.229
34	2.83	1.80	0.278	(0.104)	0.072	0.206
35	2.92	1.80	0.278	(0.104)	0.072	0.206
36	3.00	0.60	0.093	(0.104)	0.024	0.069

(Loss Rate Not Used)

Sum = 100.0

Sum = 12.4

Flood volume = Effective rainfall 1.04(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)

Total soil loss = 0.25(In)

Total soil loss = 0.064(Ac.Ft)

Total rainfall = 1.29(In)

Flood volume = 11521.7 Cubic Feet

Total soil loss = 2776.5 Cubic Feet

Peak flow rate of this hydrograph = 3.375(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0017	0.25	VQ					
0+10	0.0047	0.43	VQ					
0+15	0.0076	0.42	Q					
0+20	0.0108	0.47	Q					
0+25	0.0144	0.52	Q					
0+30	0.0184	0.59	Q					
0+35	0.0223	0.57	QV					
0+40	0.0264	0.59	QV					
0+45	0.0307	0.63	Q V					
0+50	0.0347	0.58	Q V					
0+55	0.0385	0.56	Q V					
1+ 0	0.0427	0.60	Q V					
1+ 5	0.0475	0.71	Q V					
1+10	0.0528	0.77	Q V					
1+15	0.0582	0.78	Q V					
1+20	0.0632	0.74	Q V					
1+25	0.0689	0.83	Q V					
1+30	0.0753	0.93	Q V					
1+35	0.0815	0.90	Q V					
1+40	0.0878	0.92	Q V					
1+45	0.0955	1.11	Q V					
1+50	0.1036	1.18	Q V					
1+55	0.1113	1.11	Q V					
2+ 0	0.1188	1.09	Q V					
2+ 5	0.1266	1.13	Q V					
2+10	0.1365	1.44	Q V					
2+15	0.1492	1.85	Q V					
2+20	0.1605	1.64	Q V					
2+25	0.1761	2.26	Q V					
2+30	0.1963	2.94	Q V					
2+35	0.2195	3.37	Q V					
2+40	0.2399	2.96	Q V					
2+45	0.2509	1.59	Q V					
2+50	0.2563	0.79	Q V					
2+55	0.2607	0.64	Q V					
3+ 0	0.2635	0.40	Q V					
3+ 5	0.2644	0.13	Q V					
3+10	0.2645	0.02	Q V					

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	281.206	54.665
2	0.167	562.412	38.188
3	0.250	843.618	7.147
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	(0.104)	0.103	0.293
2	0.17	4.30	0.405	0.104	(0.105)	0.301
3	0.25	5.00	0.471	0.104	(0.123)	0.367
4	0.33	5.00	0.471	0.104	(0.123)	0.367
5	0.42	5.80	0.547	0.104	(0.142)	0.442
6	0.50	6.50	0.613	0.104	(0.159)	0.508
7	0.58	7.40	0.698	0.104	(0.181)	0.593
8	0.67	8.60	0.811	0.104	(0.211)	0.706
9	0.75	12.30	1.160	0.104	(0.301)	1.055
10	0.83	29.10	2.743	0.104	(0.713)	2.639
11	0.92	6.80	0.641	0.104	(0.167)	0.537
12	1.00	5.00	0.471	0.104	(0.123)	0.367

(Loss Rate Not Used)

Sum = 100.0 Sum = 8.2

Flood volume = Effective rainfall 0.68(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.027(Ac.Ft)
Total rainfall = 0.79(In)
Flood volume = 7568.0 Cubic Feet
Total soil loss = 1158.1 Cubic Feet

Peak flow rate of this hydrograph = 5.850(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0034	0.49	VQ				
0+10	0.0093	0.85	VQ				
0+15	0.0164	1.04	VQ				
0+20	0.0241	1.12	QV				
0+25	0.0328	1.26	Q V				
0+30	0.0429	1.46	Q V				
0+35	0.0545	1.70	Q V				
0+40	0.0683	2.00	Q V				
0+45	0.0872	2.74	Q V				
0+50	0.1275	5.85	Q V				
0+55	0.1568	4.25	Q V				

1+ 0	0.1694	1.83		Q				v	
1+ 5	0.1732	0.55		Q				v	
1+10	0.1737	0.08	Q					v	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda2245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.285)	0.005	0.015
2	0.17	0.07	0.021	(0.284)	0.005	0.015
3	0.25	0.07	0.021	(0.283)	0.005	0.015
4	0.33	0.10	0.031	(0.282)	0.008	0.023
5	0.42	0.10	0.031	(0.280)	0.008	0.023
6	0.50	0.10	0.031	(0.279)	0.008	0.023
7	0.58	0.10	0.031	(0.278)	0.008	0.023
8	0.67	0.10	0.031	(0.277)	0.008	0.023
9	0.75	0.10	0.031	(0.276)	0.008	0.023
10	0.83	0.13	0.041	(0.275)	0.011	0.031
11	0.92	0.13	0.041	(0.274)	0.011	0.031
12	1.00	0.13	0.041	(0.273)	0.011	0.031
13	1.08	0.10	0.031	(0.272)	0.008	0.023
14	1.17	0.10	0.031	(0.271)	0.008	0.023
15	1.25	0.10	0.031	(0.270)	0.008	0.023
16	1.33	0.10	0.031	(0.269)	0.008	0.023
17	1.42	0.10	0.031	(0.268)	0.008	0.023
18	1.50	0.10	0.031	(0.266)	0.008	0.023
19	1.58	0.10	0.031	(0.265)	0.008	0.023
20	1.67	0.10	0.031	(0.264)	0.008	0.023
21	1.75	0.10	0.031	(0.263)	0.008	0.023
22	1.83	0.13	0.041	(0.262)	0.011	0.031
23	1.92	0.13	0.041	(0.261)	0.011	0.031
24	2.00	0.13	0.041	(0.260)	0.011	0.031
25	2.08	0.13	0.041	(0.259)	0.011	0.031
26	2.17	0.13	0.041	(0.258)	0.011	0.031
27	2.25	0.13	0.041	(0.257)	0.011	0.031
28	2.33	0.13	0.041	(0.256)	0.011	0.031
29	2.42	0.13	0.041	(0.255)	0.011	0.031
30	2.50	0.13	0.041	(0.254)	0.011	0.031
31	2.58	0.17	0.052	(0.253)	0.013	0.038
32	2.67	0.17	0.052	(0.252)	0.013	0.038
33	2.75	0.17	0.052	(0.251)	0.013	0.038
34	2.83	0.17	0.052	(0.250)	0.013	0.038
35	2.92	0.17	0.052	(0.249)	0.013	0.038
36	3.00	0.17	0.052	(0.248)	0.013	0.038
37	3.08	0.17	0.052	(0.247)	0.013	0.038
38	3.17	0.17	0.052	(0.246)	0.013	0.038
39	3.25	0.17	0.052	(0.245)	0.013	0.038
40	3.33	0.17	0.052	(0.244)	0.013	0.038
41	3.42	0.17	0.052	(0.243)	0.013	0.038
42	3.50	0.17	0.052	(0.241)	0.013	0.038
43	3.58	0.17	0.052	(0.240)	0.013	0.038
44	3.67	0.17	0.052	(0.239)	0.013	0.038
45	3.75	0.17	0.052	(0.238)	0.013	0.038
46	3.83	0.20	0.062	(0.237)	0.016	0.046

47	3.92	0.20	0.062	(0.236)	0.016	0.046
48	4.00	0.20	0.062	(0.235)	0.016	0.046
49	4.08	0.20	0.062	(0.234)	0.016	0.046
50	4.17	0.20	0.062	(0.233)	0.016	0.046
51	4.25	0.20	0.062	(0.232)	0.016	0.046
52	4.33	0.23	0.072	(0.231)	0.019	0.053
53	4.42	0.23	0.072	(0.230)	0.019	0.053
54	4.50	0.23	0.072	(0.229)	0.019	0.053
55	4.58	0.23	0.072	(0.229)	0.019	0.053
56	4.67	0.23	0.072	(0.228)	0.019	0.053
57	4.75	0.23	0.072	(0.227)	0.019	0.053
58	4.83	0.27	0.083	(0.226)	0.021	0.061
59	4.92	0.27	0.083	(0.225)	0.021	0.061
60	5.00	0.27	0.083	(0.224)	0.021	0.061
61	5.08	0.20	0.062	(0.223)	0.016	0.046
62	5.17	0.20	0.062	(0.222)	0.016	0.046
63	5.25	0.20	0.062	(0.221)	0.016	0.046
64	5.33	0.23	0.072	(0.220)	0.019	0.053
65	5.42	0.23	0.072	(0.219)	0.019	0.053
66	5.50	0.23	0.072	(0.218)	0.019	0.053
67	5.58	0.27	0.083	(0.217)	0.021	0.061
68	5.67	0.27	0.083	(0.216)	0.021	0.061
69	5.75	0.27	0.083	(0.215)	0.021	0.061
70	5.83	0.27	0.083	(0.214)	0.021	0.061
71	5.92	0.27	0.083	(0.213)	0.021	0.061
72	6.00	0.27	0.083	(0.212)	0.021	0.061
73	6.08	0.30	0.093	(0.211)	0.024	0.069
74	6.17	0.30	0.093	(0.210)	0.024	0.069
75	6.25	0.30	0.093	(0.209)	0.024	0.069
76	6.33	0.30	0.093	(0.208)	0.024	0.069
77	6.42	0.30	0.093	(0.207)	0.024	0.069
78	6.50	0.30	0.093	(0.207)	0.024	0.069
79	6.58	0.33	0.103	(0.206)	0.027	0.076
80	6.67	0.33	0.103	(0.205)	0.027	0.076
81	6.75	0.33	0.103	(0.204)	0.027	0.076
82	6.83	0.33	0.103	(0.203)	0.027	0.076
83	6.92	0.33	0.103	(0.202)	0.027	0.076
84	7.00	0.33	0.103	(0.201)	0.027	0.076
85	7.08	0.33	0.103	(0.200)	0.027	0.076
86	7.17	0.33	0.103	(0.199)	0.027	0.076
87	7.25	0.33	0.103	(0.198)	0.027	0.076
88	7.33	0.37	0.114	(0.197)	0.030	0.084
89	7.42	0.37	0.114	(0.196)	0.030	0.084
90	7.50	0.37	0.114	(0.196)	0.030	0.084
91	7.58	0.40	0.124	(0.195)	0.032	0.092
92	7.67	0.40	0.124	(0.194)	0.032	0.092
93	7.75	0.40	0.124	(0.193)	0.032	0.092
94	7.83	0.43	0.134	(0.192)	0.035	0.099
95	7.92	0.43	0.134	(0.191)	0.035	0.099
96	8.00	0.43	0.134	(0.190)	0.035	0.099

97	8.08	0.50	0.155	(0.189)	0.040	0.115
98	8.17	0.50	0.155	(0.188)	0.040	0.115
99	8.25	0.50	0.155	(0.188)	0.040	0.115
100	8.33	0.50	0.155	(0.187)	0.040	0.115
101	8.42	0.50	0.155	(0.186)	0.040	0.115
102	8.50	0.50	0.155	(0.185)	0.040	0.115
103	8.58	0.53	0.165	(0.184)	0.043	0.122
104	8.67	0.53	0.165	(0.183)	0.043	0.122
105	8.75	0.53	0.165	(0.182)	0.043	0.122
106	8.83	0.57	0.176	(0.181)	0.046	0.130
107	8.92	0.57	0.176	(0.181)	0.046	0.130
108	9.00	0.57	0.176	(0.180)	0.046	0.130
109	9.08	0.63	0.196	(0.179)	0.051	0.145
110	9.17	0.63	0.196	(0.178)	0.051	0.145
111	9.25	0.63	0.196	(0.177)	0.051	0.145
112	9.33	0.67	0.206	(0.176)	0.054	0.153
113	9.42	0.67	0.206	(0.176)	0.054	0.153
114	9.50	0.67	0.206	(0.175)	0.054	0.153
115	9.58	0.70	0.217	(0.174)	0.056	0.160
116	9.67	0.70	0.217	(0.173)	0.056	0.160
117	9.75	0.70	0.217	(0.172)	0.056	0.160
118	9.83	0.73	0.227	(0.171)	0.059	0.168
119	9.92	0.73	0.227	(0.171)	0.059	0.168
120	10.00	0.73	0.227	(0.170)	0.059	0.168
121	10.08	0.50	0.155	(0.169)	0.040	0.115
122	10.17	0.50	0.155	(0.168)	0.040	0.115
123	10.25	0.50	0.155	(0.167)	0.040	0.115
124	10.33	0.50	0.155	(0.166)	0.040	0.115
125	10.42	0.50	0.155	(0.166)	0.040	0.115
126	10.50	0.50	0.155	(0.165)	0.040	0.115
127	10.58	0.67	0.206	(0.164)	0.054	0.153
128	10.67	0.67	0.206	(0.163)	0.054	0.153
129	10.75	0.67	0.206	(0.162)	0.054	0.153
130	10.83	0.67	0.206	(0.162)	0.054	0.153
131	10.92	0.67	0.206	(0.161)	0.054	0.153
132	11.00	0.67	0.206	(0.160)	0.054	0.153
133	11.08	0.63	0.196	(0.159)	0.051	0.145
134	11.17	0.63	0.196	(0.158)	0.051	0.145
135	11.25	0.63	0.196	(0.158)	0.051	0.145
136	11.33	0.63	0.196	(0.157)	0.051	0.145
137	11.42	0.63	0.196	(0.156)	0.051	0.145
138	11.50	0.63	0.196	(0.155)	0.051	0.145
139	11.58	0.57	0.176	(0.155)	0.046	0.130
140	11.67	0.57	0.176	(0.154)	0.046	0.130
141	11.75	0.57	0.176	(0.153)	0.046	0.130
142	11.83	0.60	0.186	(0.152)	0.048	0.138
143	11.92	0.60	0.186	(0.152)	0.048	0.138
144	12.00	0.60	0.186	(0.151)	0.048	0.138
145	12.08	0.83	0.258	(0.150)	0.067	0.191
146	12.17	0.83	0.258	(0.149)	0.067	0.191

147	12.25	0.83	0.258	(0.149)	0.067	0.191
148	12.33	0.87	0.268	(0.148)	0.070	0.199
149	12.42	0.87	0.268	(0.147)	0.070	0.199
150	12.50	0.87	0.268	(0.146)	0.070	0.199
151	12.58	0.93	0.289	(0.146)	0.075	0.214
152	12.67	0.93	0.289	(0.145)	0.075	0.214
153	12.75	0.93	0.289	(0.144)	0.075	0.214
154	12.83	0.97	0.299	(0.143)	0.078	0.222
155	12.92	0.97	0.299	(0.143)	0.078	0.222
156	13.00	0.97	0.299	(0.142)	0.078	0.222
157	13.08	1.13	0.351	(0.141)	0.091	0.260
158	13.17	1.13	0.351	(0.140)	0.091	0.260
159	13.25	1.13	0.351	(0.140)	0.091	0.260
160	13.33	1.13	0.351	(0.139)	0.091	0.260
161	13.42	1.13	0.351	(0.138)	0.091	0.260
162	13.50	1.13	0.351	(0.138)	0.091	0.260
163	13.58	0.77	0.237	(0.137)	0.062	0.176
164	13.67	0.77	0.237	(0.136)	0.062	0.176
165	13.75	0.77	0.237	(0.136)	0.062	0.176
166	13.83	0.77	0.237	(0.135)	0.062	0.176
167	13.92	0.77	0.237	(0.134)	0.062	0.176
168	14.00	0.77	0.237	(0.133)	0.062	0.176
169	14.08	0.90	0.279	(0.133)	0.072	0.206
170	14.17	0.90	0.279	(0.132)	0.072	0.206
171	14.25	0.90	0.279	(0.131)	0.072	0.206
172	14.33	0.87	0.268	(0.131)	0.070	0.199
173	14.42	0.87	0.268	(0.130)	0.070	0.199
174	14.50	0.87	0.268	(0.129)	0.070	0.199
175	14.58	0.87	0.268	(0.129)	0.070	0.199
176	14.67	0.87	0.268	(0.128)	0.070	0.199
177	14.75	0.87	0.268	(0.127)	0.070	0.199
178	14.83	0.83	0.258	(0.127)	0.067	0.191
179	14.92	0.83	0.258	(0.126)	0.067	0.191
180	15.00	0.83	0.258	(0.126)	0.067	0.191
181	15.08	0.80	0.248	(0.125)	0.064	0.183
182	15.17	0.80	0.248	(0.124)	0.064	0.183
183	15.25	0.80	0.248	(0.124)	0.064	0.183
184	15.33	0.77	0.237	(0.123)	0.062	0.176
185	15.42	0.77	0.237	(0.122)	0.062	0.176
186	15.50	0.77	0.237	(0.122)	0.062	0.176
187	15.58	0.63	0.196	(0.121)	0.051	0.145
188	15.67	0.63	0.196	(0.120)	0.051	0.145
189	15.75	0.63	0.196	(0.120)	0.051	0.145
190	15.83	0.63	0.196	(0.119)	0.051	0.145
191	15.92	0.63	0.196	(0.119)	0.051	0.145
192	16.00	0.63	0.196	(0.118)	0.051	0.145
193	16.08	0.13	0.041	(0.117)	0.011	0.031
194	16.17	0.13	0.041	(0.117)	0.011	0.031
195	16.25	0.13	0.041	(0.116)	0.011	0.031
196	16.33	0.13	0.041	(0.116)	0.011	0.031

197	16.42	0.13	0.041	(0.115)	0.011	0.031
198	16.50	0.13	0.041	(0.114)	0.011	0.031
199	16.58	0.10	0.031	(0.114)	0.008	0.023
200	16.67	0.10	0.031	(0.113)	0.008	0.023
201	16.75	0.10	0.031	(0.113)	0.008	0.023
202	16.83	0.10	0.031	(0.112)	0.008	0.023
203	16.92	0.10	0.031	(0.112)	0.008	0.023
204	17.00	0.10	0.031	(0.111)	0.008	0.023
205	17.08	0.17	0.052	(0.110)	0.013	0.038
206	17.17	0.17	0.052	(0.110)	0.013	0.038
207	17.25	0.17	0.052	(0.109)	0.013	0.038
208	17.33	0.17	0.052	(0.109)	0.013	0.038
209	17.42	0.17	0.052	(0.108)	0.013	0.038
210	17.50	0.17	0.052	(0.108)	0.013	0.038
211	17.58	0.17	0.052	(0.107)	0.013	0.038
212	17.67	0.17	0.052	(0.107)	0.013	0.038
213	17.75	0.17	0.052	(0.106)	0.013	0.038
214	17.83	0.13	0.041	(0.106)	0.011	0.031
215	17.92	0.13	0.041	(0.105)	0.011	0.031
216	18.00	0.13	0.041	(0.105)	0.011	0.031
217	18.08	0.13	0.041	(0.104)	0.011	0.031
218	18.17	0.13	0.041	(0.104)	0.011	0.031
219	18.25	0.13	0.041	(0.103)	0.011	0.031
220	18.33	0.13	0.041	(0.102)	0.011	0.031
221	18.42	0.13	0.041	(0.102)	0.011	0.031
222	18.50	0.13	0.041	(0.102)	0.011	0.031
223	18.58	0.10	0.031	(0.101)	0.008	0.023
224	18.67	0.10	0.031	(0.101)	0.008	0.023
225	18.75	0.10	0.031	(0.100)	0.008	0.023
226	18.83	0.07	0.021	(0.100)	0.005	0.015
227	18.92	0.07	0.021	(0.099)	0.005	0.015
228	19.00	0.07	0.021	(0.099)	0.005	0.015
229	19.08	0.10	0.031	(0.098)	0.008	0.023
230	19.17	0.10	0.031	(0.098)	0.008	0.023
231	19.25	0.10	0.031	(0.097)	0.008	0.023
232	19.33	0.13	0.041	(0.097)	0.011	0.031
233	19.42	0.13	0.041	(0.096)	0.011	0.031
234	19.50	0.13	0.041	(0.096)	0.011	0.031
235	19.58	0.10	0.031	(0.095)	0.008	0.023
236	19.67	0.10	0.031	(0.095)	0.008	0.023
237	19.75	0.10	0.031	(0.095)	0.008	0.023
238	19.83	0.07	0.021	(0.094)	0.005	0.015
239	19.92	0.07	0.021	(0.094)	0.005	0.015
240	20.00	0.07	0.021	(0.093)	0.005	0.015
241	20.08	0.10	0.031	(0.093)	0.008	0.023
242	20.17	0.10	0.031	(0.093)	0.008	0.023
243	20.25	0.10	0.031	(0.092)	0.008	0.023
244	20.33	0.10	0.031	(0.092)	0.008	0.023
245	20.42	0.10	0.031	(0.091)	0.008	0.023
246	20.50	0.10	0.031	(0.091)	0.008	0.023

247	20.58	0.10	0.031	(0.091)	0.008	0.023
248	20.67	0.10	0.031	(0.090)	0.008	0.023
249	20.75	0.10	0.031	(0.090)	0.008	0.023
250	20.83	0.07	0.021	(0.089)	0.005	0.015
251	20.92	0.07	0.021	(0.089)	0.005	0.015
252	21.00	0.07	0.021	(0.089)	0.005	0.015
253	21.08	0.10	0.031	(0.088)	0.008	0.023
254	21.17	0.10	0.031	(0.088)	0.008	0.023
255	21.25	0.10	0.031	(0.088)	0.008	0.023
256	21.33	0.07	0.021	(0.087)	0.005	0.015
257	21.42	0.07	0.021	(0.087)	0.005	0.015
258	21.50	0.07	0.021	(0.087)	0.005	0.015
259	21.58	0.10	0.031	(0.086)	0.008	0.023
260	21.67	0.10	0.031	(0.086)	0.008	0.023
261	21.75	0.10	0.031	(0.086)	0.008	0.023
262	21.83	0.07	0.021	(0.085)	0.005	0.015
263	21.92	0.07	0.021	(0.085)	0.005	0.015
264	22.00	0.07	0.021	(0.085)	0.005	0.015
265	22.08	0.10	0.031	(0.085)	0.008	0.023
266	22.17	0.10	0.031	(0.084)	0.008	0.023
267	22.25	0.10	0.031	(0.084)	0.008	0.023
268	22.33	0.07	0.021	(0.084)	0.005	0.015
269	22.42	0.07	0.021	(0.084)	0.005	0.015
270	22.50	0.07	0.021	(0.083)	0.005	0.015
271	22.58	0.07	0.021	(0.083)	0.005	0.015
272	22.67	0.07	0.021	(0.083)	0.005	0.015
273	22.75	0.07	0.021	(0.083)	0.005	0.015
274	22.83	0.07	0.021	(0.082)	0.005	0.015
275	22.92	0.07	0.021	(0.082)	0.005	0.015
276	23.00	0.07	0.021	(0.082)	0.005	0.015
277	23.08	0.07	0.021	(0.082)	0.005	0.015
278	23.17	0.07	0.021	(0.082)	0.005	0.015
279	23.25	0.07	0.021	(0.081)	0.005	0.015
280	23.33	0.07	0.021	(0.081)	0.005	0.015
281	23.42	0.07	0.021	(0.081)	0.005	0.015
282	23.50	0.07	0.021	(0.081)	0.005	0.015
283	23.58	0.07	0.021	(0.081)	0.005	0.015
284	23.67	0.07	0.021	(0.081)	0.005	0.015
285	23.75	0.07	0.021	(0.081)	0.005	0.015
286	23.83	0.07	0.021	(0.080)	0.005	0.015
287	23.92	0.07	0.021	(0.080)	0.005	0.015
288	24.00	0.07	0.021	(0.080)	0.005	0.015

(Loss Rate Not Used)

Sum = 100.0

Sum = 22.9

Flood volume = Effective rainfall 1.91(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)

Total soil loss = 0.67(In)

Total soil loss = 0.171(Ac.Ft)

Total rainfall = 2.58(In)

Flood volume = 21216.3 Cubic Feet

Total soil loss = 7454.4 Cubic Feet

Peak flow rate of this hydrograph = 0.802(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0005	0.04	Q				
0+15	0.0008	0.05	Q				
0+20	0.0012	0.06	Q				
0+25	0.0017	0.07	Q				
0+30	0.0022	0.07	Q				
0+35	0.0027	0.07	Q				
0+40	0.0032	0.07	Q				
0+45	0.0036	0.07	Q				
0+50	0.0042	0.08	Q				
0+55	0.0049	0.09	Q				
1+ 0	0.0055	0.09	Q				
1+ 5	0.0061	0.08	Q				
1+10	0.0066	0.07	Q				
1+15	0.0071	0.07	Q				
1+20	0.0075	0.07	Q				
1+25	0.0080	0.07	Q				
1+30	0.0085	0.07	Q				
1+35	0.0090	0.07	Q				
1+40	0.0095	0.07	Q				
1+45	0.0100	0.07	Q				
1+50	0.0105	0.08	Q				
1+55	0.0112	0.09	Q				
2+ 0	0.0118	0.09	Q				
2+ 5	0.0125	0.09	QV				
2+10	0.0131	0.09	QV				
2+15	0.0138	0.09	QV				
2+20	0.0144	0.09	QV				
2+25	0.0151	0.09	QV				
2+30	0.0157	0.09	QV				
2+35	0.0165	0.11	QV				
2+40	0.0173	0.12	QV				
2+45	0.0181	0.12	QV				
2+50	0.0189	0.12	QV				
2+55	0.0197	0.12	QV				
3+ 0	0.0205	0.12	QV				
3+ 5	0.0213	0.12	QV				

3+10	0.0221	0.12	QV				
3+15	0.0230	0.12	QV				
3+20	0.0238	0.12	QV				
3+25	0.0246	0.12	Q V				
3+30	0.0254	0.12	Q V				
3+35	0.0262	0.12	Q V				
3+40	0.0270	0.12	Q V				
3+45	0.0278	0.12	Q V				
3+50	0.0287	0.13	Q V				
3+55	0.0297	0.14	Q V				
4+ 0	0.0307	0.14	Q V				
4+ 5	0.0316	0.14	Q V				
4+10	0.0326	0.14	Q V				
4+15	0.0336	0.14	Q V				
4+20	0.0346	0.15	Q V				
4+25	0.0358	0.16	Q V				
4+30	0.0369	0.17	Q V				
4+35	0.0380	0.17	Q V				
4+40	0.0392	0.17	Q V				
4+45	0.0403	0.17	Q V				
4+50	0.0415	0.18	Q V				
4+55	0.0428	0.19	Q V				
5+ 0	0.0441	0.19	Q V				
5+ 5	0.0452	0.16	Q V				
5+10	0.0462	0.14	Q V				
5+15	0.0472	0.14	Q V				
5+20	0.0483	0.15	Q V				
5+25	0.0494	0.16	Q V				
5+30	0.0505	0.17	Q V				
5+35	0.0518	0.18	Q V				
5+40	0.0531	0.19	Q V				
5+45	0.0544	0.19	Q V				
5+50	0.0557	0.19	Q V				
5+55	0.0570	0.19	Q V				
6+ 0	0.0583	0.19	Q V				
6+ 5	0.0596	0.20	Q V				
6+10	0.0611	0.21	Q V				
6+15	0.0626	0.21	Q V				
6+20	0.0640	0.21	Q V				
6+25	0.0655	0.21	Q V				
6+30	0.0669	0.21	Q V				
6+35	0.0685	0.23	Q V				
6+40	0.0701	0.23	Q V				
6+45	0.0717	0.24	Q V				
6+50	0.0733	0.24	Q V				
6+55	0.0750	0.24	Q V				
7+ 0	0.0766	0.24	Q V				
7+ 5	0.0782	0.24	Q V				
7+10	0.0798	0.24	Q V				
7+15	0.0815	0.24	Q V				

7+20	0.0832	0.25	Q	V				
7+25	0.0849	0.26	Q	V				
7+30	0.0867	0.26	Q	V				
7+35	0.0886	0.27	Q	V				
7+40	0.0905	0.28	Q	V				
7+45	0.0925	0.28	Q	V				
7+50	0.0945	0.30	Q	V				
7+55	0.0966	0.30	Q	V				
8+ 0	0.0987	0.31	Q	V				
8+ 5	0.1010	0.33	Q	V				
8+10	0.1034	0.35	Q	V				
8+15	0.1059	0.35	Q	V				
8+20	0.1083	0.35	Q	V				
8+25	0.1107	0.35	Q	V				
8+30	0.1132	0.35	Q	V				
8+35	0.1157	0.37	Q	V				
8+40	0.1183	0.38	Q	V				
8+45	0.1209	0.38	Q	V				
8+50	0.1236	0.39	Q	V				
8+55	0.1263	0.40	Q	V				
9+ 0	0.1291	0.40	Q	V				
9+ 5	0.1320	0.43	Q	V				
9+10	0.1351	0.44	Q	V				
9+15	0.1382	0.45	Q	V				
9+20	0.1413	0.46	Q	V				
9+25	0.1446	0.47	Q	V				
9+30	0.1478	0.47	Q	V				
9+35	0.1512	0.48	Q	V				
9+40	0.1546	0.49	Q	V				
9+45	0.1580	0.50	Q	V				
9+50	0.1615	0.51	Q	V				
9+55	0.1650	0.52	Q	V				
10+ 0	0.1686	0.52	Q	V				
10+ 5	0.1715	0.43	Q	V				
10+10	0.1741	0.37	Q	V				
10+15	0.1765	0.35	Q	V				
10+20	0.1789	0.35	Q	V				
10+25	0.1814	0.35	Q	V				
10+30	0.1838	0.35	Q	V				
10+35	0.1867	0.42	Q	V				
10+40	0.1899	0.46	Q	V				
10+45	0.1931	0.47	Q	V				
10+50	0.1964	0.47	Q	V				
10+55	0.1996	0.47	Q	V				
11+ 0	0.2029	0.47	Q	V				
11+ 5	0.2060	0.46	Q	V				
11+10	0.2091	0.45	Q	V				
11+15	0.2122	0.45	Q	V				
11+20	0.2153	0.45	Q	V				
11+25	0.2184	0.45	Q	V				

11+30	0.2215	0.45	Q	V			
11+35	0.2244	0.42	Q	V			
11+40	0.2271	0.40	Q	V			
11+45	0.2299	0.40	Q	V			
11+50	0.2328	0.41	Q	V			
11+55	0.2357	0.42	Q	V			
12+ 0	0.2386	0.42	Q	V			
12+ 5	0.2421	0.51	Q	V			
12+10	0.2461	0.58	Q	V			
12+15	0.2502	0.59	Q	V			
12+20	0.2543	0.60	Q	V			
12+25	0.2585	0.61	Q	V			
12+30	0.2627	0.61	Q	V			
12+35	0.2671	0.64	Q	V			
12+40	0.2717	0.66	Q	V			
12+45	0.2762	0.66	Q	V			
12+50	0.2808	0.67	Q	V			
12+55	0.2855	0.68	Q	V			
13+ 0	0.2903	0.68	Q	V			
13+ 5	0.2954	0.75	Q	V			
13+10	0.3009	0.79	Q	V			
13+15	0.3064	0.80	Q	V			
13+20	0.3119	0.80	Q	V			
13+25	0.3174	0.80	Q	V			
13+30	0.3229	0.80	Q	V			
13+35	0.3275	0.66	Q	V			
13+40	0.3314	0.56	Q	V			
13+45	0.3351	0.54	Q	V			
13+50	0.3388	0.54	Q	V			
13+55	0.3426	0.54	Q	V			
14+ 0	0.3463	0.54	Q	V			
14+ 5	0.3504	0.59	Q	V			
14+10	0.3547	0.63	Q	V			
14+15	0.3591	0.64	Q	V			
14+20	0.3634	0.62	Q	V			
14+25	0.3676	0.61	Q	V			
14+30	0.3718	0.61	Q	V			
14+35	0.3761	0.61	Q	V			
14+40	0.3803	0.61	Q	V			
14+45	0.3845	0.61	Q	V			
14+50	0.3886	0.60	Q	V			
14+55	0.3927	0.59	Q	V			
15+ 0	0.3968	0.59	Q	V			
15+ 5	0.4007	0.58	Q	V			
15+10	0.4046	0.57	Q	V			
15+15	0.4085	0.57	Q	V			
15+20	0.4124	0.55	Q	V			
15+25	0.4161	0.54	Q	V			
15+30	0.4198	0.54	Q	V			
15+35	0.4232	0.49	Q	V			

15+40	0.4263	0.45	Q				V
15+45	0.4294	0.45	Q				V
15+50	0.4325	0.45	Q				V
15+55	0.4356	0.45	Q				V
16+ 0	0.4387	0.45	Q				V
16+ 5	0.4404	0.25	Q				V
16+10	0.4413	0.12	Q				V
16+15	0.4419	0.09	Q				V
16+20	0.4426	0.09	Q				V
16+25	0.4432	0.09	Q				V
16+30	0.4439	0.09	Q				V
16+35	0.4444	0.08	Q				V
16+40	0.4449	0.07	Q				V
16+45	0.4454	0.07	Q				V
16+50	0.4459	0.07	Q				V
16+55	0.4464	0.07	Q				V
17+ 0	0.4469	0.07	Q				V
17+ 5	0.4475	0.10	Q				V
17+10	0.4483	0.11	Q				V
17+15	0.4491	0.12	Q				V
17+20	0.4499	0.12	Q				V
17+25	0.4508	0.12	Q				V
17+30	0.4516	0.12	Q				V
17+35	0.4524	0.12	Q				V
17+40	0.4532	0.12	Q				V
17+45	0.4540	0.12	Q				V
17+50	0.4547	0.10	Q				V
17+55	0.4554	0.10	Q				V
18+ 0	0.4560	0.09	Q				V
18+ 5	0.4567	0.09	Q				V
18+10	0.4573	0.09	Q				V
18+15	0.4580	0.09	Q				V
18+20	0.4586	0.09	Q				V
18+25	0.4593	0.09	Q				V
18+30	0.4599	0.09	Q				V
18+35	0.4605	0.08	Q				V
18+40	0.4610	0.07	Q				V
18+45	0.4615	0.07	Q				V
18+50	0.4619	0.06	Q				V
18+55	0.4622	0.05	Q				V
19+ 0	0.4625	0.05	Q				V
19+ 5	0.4629	0.06	Q				V
19+10	0.4634	0.07	Q				V
19+15	0.4639	0.07	Q				V
19+20	0.4645	0.08	Q				V
19+25	0.4651	0.09	Q				V
19+30	0.4658	0.09	Q				V
19+35	0.4663	0.08	Q				V
19+40	0.4668	0.07	Q				V
19+45	0.4673	0.07	Q				V

19+50	0.4677	0.06	Q				V
19+55	0.4681	0.05	Q				V
20+ 0	0.4684	0.05	Q				V
20+ 5	0.4688	0.06	Q				V
20+10	0.4693	0.07	Q				V
20+15	0.4698	0.07	Q				V
20+20	0.4702	0.07	Q				V
20+25	0.4707	0.07	Q				V
20+30	0.4712	0.07	Q				V
20+35	0.4717	0.07	Q				V
20+40	0.4722	0.07	Q				V
20+45	0.4727	0.07	Q				V
20+50	0.4731	0.06	Q				V
20+55	0.4734	0.05	Q				V
21+ 0	0.4737	0.05	Q				V
21+ 5	0.4742	0.06	Q				V
21+10	0.4746	0.07	Q				V
21+15	0.4751	0.07	Q				V
21+20	0.4755	0.06	Q				V
21+25	0.4758	0.05	Q				V
21+30	0.4762	0.05	Q				V
21+35	0.4766	0.06	Q				V
21+40	0.4771	0.07	Q				V
21+45	0.4775	0.07	Q				V
21+50	0.4779	0.06	Q				V
21+55	0.4783	0.05	Q				V
22+ 0	0.4786	0.05	Q				V
22+ 5	0.4790	0.06	Q				V
22+10	0.4795	0.07	Q				V
22+15	0.4800	0.07	Q				V
22+20	0.4804	0.06	Q				V
22+25	0.4807	0.05	Q				V
22+30	0.4810	0.05	Q				V
22+35	0.4814	0.05	Q				V
22+40	0.4817	0.05	Q				V
22+45	0.4820	0.05	Q				V
22+50	0.4823	0.05	Q				V
22+55	0.4827	0.05	Q				V
23+ 0	0.4830	0.05	Q				V
23+ 5	0.4833	0.05	Q				V
23+10	0.4836	0.05	Q				V
23+15	0.4840	0.05	Q				V
23+20	0.4843	0.05	Q				V
23+25	0.4846	0.05	Q				V
23+30	0.4849	0.05	Q				V
23+35	0.4853	0.05	Q				V
23+40	0.4856	0.05	Q				V
23+45	0.4859	0.05	Q				V
23+50	0.4862	0.05	Q				V
23+55	0.4866	0.05	Q				V

24+ 0	0.4869	0.05	Q				V
24+ 5	0.4870	0.02	Q				V
24+10	0.4871	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda265.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.161)	0.023	0.066
2	0.17	0.60	0.107	(0.161)	0.028	0.079
3	0.25	0.60	0.107	(0.161)	0.028	0.079
4	0.33	0.60	0.107	(0.161)	0.028	0.079
5	0.42	0.60	0.107	(0.161)	0.028	0.079
6	0.50	0.70	0.125	(0.161)	0.032	0.092
7	0.58	0.70	0.125	(0.161)	0.032	0.092
8	0.67	0.70	0.125	(0.161)	0.032	0.092
9	0.75	0.70	0.125	(0.161)	0.032	0.092
10	0.83	0.70	0.125	(0.161)	0.032	0.092
11	0.92	0.70	0.125	(0.161)	0.032	0.092
12	1.00	0.80	0.143	(0.161)	0.037	0.106
13	1.08	0.80	0.143	(0.161)	0.037	0.106
14	1.17	0.80	0.143	(0.161)	0.037	0.106
15	1.25	0.80	0.143	(0.161)	0.037	0.106
16	1.33	0.80	0.143	(0.161)	0.037	0.106
17	1.42	0.80	0.143	(0.161)	0.037	0.106
18	1.50	0.80	0.143	(0.161)	0.037	0.106
19	1.58	0.80	0.143	(0.161)	0.037	0.106
20	1.67	0.80	0.143	(0.161)	0.037	0.106
21	1.75	0.80	0.143	(0.161)	0.037	0.106
22	1.83	0.80	0.143	(0.161)	0.037	0.106
23	1.92	0.80	0.143	(0.161)	0.037	0.106
24	2.00	0.90	0.160	(0.161)	0.042	0.119
25	2.08	0.80	0.143	(0.161)	0.037	0.106
26	2.17	0.90	0.160	(0.161)	0.042	0.119
27	2.25	0.90	0.160	(0.161)	0.042	0.119
28	2.33	0.90	0.160	(0.161)	0.042	0.119
29	2.42	0.90	0.160	(0.161)	0.042	0.119
30	2.50	0.90	0.160	(0.161)	0.042	0.119
31	2.58	0.90	0.160	(0.161)	0.042	0.119
32	2.67	0.90	0.160	(0.161)	0.042	0.119
33	2.75	1.00	0.178	(0.161)	0.046	0.132
34	2.83	1.00	0.178	(0.161)	0.046	0.132
35	2.92	1.00	0.178	(0.161)	0.046	0.132
36	3.00	1.00	0.178	(0.161)	0.046	0.132
37	3.08	1.00	0.178	(0.161)	0.046	0.132
38	3.17	1.10	0.196	(0.161)	0.051	0.145
39	3.25	1.10	0.196	(0.161)	0.051	0.145
40	3.33	1.10	0.196	(0.161)	0.051	0.145
41	3.42	1.20	0.214	(0.161)	0.056	0.158
42	3.50	1.30	0.232	(0.161)	0.060	0.172
43	3.58	1.40	0.250	(0.161)	0.065	0.185
44	3.67	1.40	0.250	(0.161)	0.065	0.185
45	3.75	1.50	0.267	(0.161)	0.070	0.198
46	3.83	1.50	0.267	(0.161)	0.070	0.198

47	3.92	1.60	0.285	(0.161)	0.074	0.211
48	4.00	1.60	0.285	(0.161)	0.074	0.211
49	4.08	1.70	0.303	(0.161)	0.079	0.224
50	4.17	1.80	0.321	(0.161)	0.083	0.238
51	4.25	1.90	0.339	(0.161)	0.088	0.251
52	4.33	2.00	0.357	(0.161)	0.093	0.264
53	4.42	2.10	0.374	(0.161)	0.097	0.277
54	4.50	2.10	0.374	(0.161)	0.097	0.277
55	4.58	2.20	0.392	(0.161)	0.102	0.290
56	4.67	2.30	0.410	(0.161)	0.107	0.304
57	4.75	2.40	0.428	(0.161)	0.111	0.317
58	4.83	2.40	0.428	(0.161)	0.111	0.317
59	4.92	2.50	0.446	(0.161)	0.116	0.330
60	5.00	2.60	0.464	(0.161)	0.121	0.343
61	5.08	3.10	0.553	(0.161)	0.144	0.409
62	5.17	3.60	0.642	0.161 (0.167)		0.481
63	5.25	3.90	0.695	0.161 (0.181)		0.535
64	5.33	4.20	0.749	0.161 (0.195)		0.588
65	5.42	4.70	0.838	0.161 (0.218)		0.677
66	5.50	5.60	0.999	0.161 (0.260)		0.838
67	5.58	1.90	0.339	(0.161)	0.088	0.251
68	5.67	0.90	0.160	(0.161)	0.042	0.119
69	5.75	0.60	0.107	(0.161)	0.028	0.079
70	5.83	0.50	0.089	(0.161)	0.023	0.066
71	5.92	0.30	0.053	(0.161)	0.014	0.040
72	6.00	0.20	0.036	(0.161)	0.009	0.026

(Loss Rate Not Used)

Sum = 100.0

Sum = 13.4

Flood volume = Effective rainfall 1.12(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.37(In)
Total soil loss = 0.094(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 12415.0 Cubic Feet
Total soil loss = 4091.3 Cubic Feet

Peak flow rate of this hydrograph = 2.341(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0008	0.11	Q				
0+10	0.0022	0.21	Q				
0+15	0.0039	0.24	Q				

0+20	0.0056	0.24	Q				
0+25	0.0072	0.24	QV				
0+30	0.0091	0.27	Q				
0+35	0.0110	0.28	Q				
0+40	0.0130	0.29	Q				
0+45	0.0150	0.29	QV				
0+50	0.0169	0.29	QV				
0+55	0.0189	0.29	QV				
1+ 0	0.0210	0.31	QV				
1+ 5	0.0232	0.32	Q V				
1+10	0.0255	0.33	Q V				
1+15	0.0277	0.33	Q V				
1+20	0.0299	0.33	Q V				
1+25	0.0322	0.33	Q V				
1+30	0.0344	0.33	Q V				
1+35	0.0367	0.33	Q V				
1+40	0.0389	0.33	Q V				
1+45	0.0412	0.33	Q V				
1+50	0.0434	0.33	Q V				
1+55	0.0457	0.33	Q V				
2+ 0	0.0480	0.35	Q V				
2+ 5	0.0504	0.34	Q V				
2+10	0.0528	0.35	Q V				
2+15	0.0553	0.36	Q V				
2+20	0.0578	0.37	Q V				
2+25	0.0604	0.37	Q V				
2+30	0.0629	0.37	Q V				
2+35	0.0654	0.37	Q V				
2+40	0.0679	0.37	Q V				
2+45	0.0706	0.39	Q V				
2+50	0.0734	0.40	Q V				
2+55	0.0762	0.41	Q V				
3+ 0	0.0790	0.41	Q V				
3+ 5	0.0818	0.41	Q V				
3+10	0.0848	0.43	Q V				
3+15	0.0878	0.44	Q V				
3+20	0.0909	0.45	Q V				
3+25	0.0942	0.47	Q V				
3+30	0.0977	0.51	Q V				
3+35	0.1014	0.55	Q V				
3+40	0.1053	0.57	Q V				
3+45	0.1094	0.59	Q V				
3+50	0.1136	0.61	Q V				
3+55	0.1180	0.63	Q V				
4+ 0	0.1224	0.65	Q V				
4+ 5	0.1271	0.67	Q V				
4+10	0.1320	0.71	Q V				
4+15	0.1371	0.75	Q V				
4+20	0.1426	0.79	Q V				
4+25	0.1484	0.83	Q V				

4+30	0.1542	0.85	Q		V		
4+35	0.1603	0.88	Q		V		
4+40	0.1666	0.92	Q		V		
4+45	0.1731	0.96	Q		V		
4+50	0.1799	0.97	Q		V		
4+55	0.1867	1.00	Q		V		
5+ 0	0.1939	1.04	Q		V		
5+ 5	0.2019	1.17	Q		V		
5+10	0.2114	1.37	Q		V		
5+15	0.2221	1.56	Q		V		
5+20	0.2340	1.73	Q		V		
5+25	0.2474	1.95	Q		V		
5+30	0.2636	2.34	Q		V		
5+35	0.2743	1.56	Q		V		
5+40	0.2790	0.68	Q		V		
5+45	0.2813	0.33	Q		V		
5+50	0.2829	0.23	Q		V		
5+55	0.2840	0.16	Q		V		
6+ 0	0.2847	0.11	Q		V		
6+ 5	0.2850	0.04	Q		V		
6+10	0.2850	0.01	Q		V		

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda235.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.161)	0.044	0.125
2	0.17	1.30	0.169	(0.161)	0.044	0.125
3	0.25	1.10	0.143	(0.161)	0.037	0.106
4	0.33	1.50	0.195	(0.161)	0.051	0.144
5	0.42	1.50	0.195	(0.161)	0.051	0.144
6	0.50	1.80	0.234	(0.161)	0.061	0.173
7	0.58	1.50	0.195	(0.161)	0.051	0.144
8	0.67	1.80	0.234	(0.161)	0.061	0.173
9	0.75	1.80	0.234	(0.161)	0.061	0.173
10	0.83	1.50	0.195	(0.161)	0.051	0.144
11	0.92	1.60	0.208	(0.161)	0.054	0.154
12	1.00	1.80	0.234	(0.161)	0.061	0.173
13	1.08	2.20	0.286	(0.161)	0.074	0.212
14	1.17	2.20	0.286	(0.161)	0.074	0.212
15	1.25	2.20	0.286	(0.161)	0.074	0.212
16	1.33	2.00	0.260	(0.161)	0.068	0.193
17	1.42	2.60	0.338	(0.161)	0.088	0.250
18	1.50	2.70	0.351	(0.161)	0.091	0.260
19	1.58	2.40	0.312	(0.161)	0.081	0.231
20	1.67	2.70	0.351	(0.161)	0.091	0.260
21	1.75	3.30	0.430	(0.161)	0.112	0.318
22	1.83	3.10	0.404	(0.161)	0.105	0.299
23	1.92	2.90	0.377	(0.161)	0.098	0.279
24	2.00	3.00	0.390	(0.161)	0.102	0.289
25	2.08	3.10	0.404	(0.161)	0.105	0.299
26	2.17	4.20	0.547	(0.161)	0.142	0.405
27	2.25	5.00	0.651	0.161	(0.169)	0.490
28	2.33	3.50	0.456	(0.161)	0.118	0.337
29	2.42	6.80	0.885	0.161	(0.230)	0.724
30	2.50	7.30	0.950	0.161	(0.247)	0.789
31	2.58	8.20	1.067	0.161	(0.278)	0.907
32	2.67	5.90	0.768	0.161	(0.200)	0.607
33	2.75	2.00	0.260	(0.161)	0.068	0.193
34	2.83	1.80	0.234	(0.161)	0.061	0.173
35	2.92	1.80	0.234	(0.161)	0.061	0.173
36	3.00	0.60	0.078	(0.161)	0.020	0.058

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.0

Flood volume = Effective rainfall 0.83(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.26(In)

Total soil loss = 0.065(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 9212.3 Cubic Feet

Total soil loss = 2836.4 Cubic Feet

Peak flow rate of this hydrograph = 2.619(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0015	0.21	Q					
0+10	0.0039	0.36	VQ					
0+15	0.0064	0.35	Q					
0+20	0.0091	0.40	Q					
0+25	0.0121	0.44	QV					
0+30	0.0155	0.49	QV					
0+35	0.0188	0.48	Q V					
0+40	0.0223	0.50	Q V					
0+45	0.0259	0.53	Q V					
0+50	0.0293	0.49	Q V					
0+55	0.0325	0.47	Q V					
1+ 0	0.0360	0.51	Q V					
1+ 5	0.0401	0.60	Q V					
1+10	0.0445	0.65	Q V					
1+15	0.0490	0.65	Q V					
1+20	0.0533	0.62	Q V					
1+25	0.0581	0.70	Q V					
1+30	0.0634	0.78	Q V					
1+35	0.0686	0.75	Q V					
1+40	0.0739	0.77	Q V					
1+45	0.0801	0.89	Q V					
1+50	0.0865	0.94	Q V					
1+55	0.0926	0.89	Q V					
2+ 0	0.0987	0.88	Q V					
2+ 5	0.1050	0.91	Q V					
2+10	0.1125	1.10	Q V					
2+15	0.1220	1.37	Q V					
2+20	0.1305	1.24	Q V					
2+25	0.1424	1.73	Q V					
2+30	0.1579	2.26	Q V					
2+35	0.1760	2.62	Q V					
2+40	0.1916	2.27	Q V					
2+45	0.2001	1.24	Q V					
2+50	0.2046	0.65	Q V					
2+55	0.2083	0.54	Q V					
3+ 0	0.2107	0.34	Q V					
3+ 5	0.2114	0.11	Q V					
3+10	0.2115	0.01	Q V					

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	281.206	54.665
2	0.167	562.412	38.188
3	0.250	843.618	7.147
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.161)	0.085	0.242
2	0.17	4.30	0.335	(0.161)	0.087	0.248
3	0.25	5.00	0.389	(0.161)	0.101	0.288
4	0.33	5.00	0.389	(0.161)	0.101	0.288
5	0.42	5.80	0.452	(0.161)	0.117	0.334
6	0.50	6.50	0.506	(0.161)	0.132	0.374
7	0.58	7.40	0.576	(0.161)	0.150	0.426
8	0.67	8.60	0.670	0.161	(0.174)	0.509
9	0.75	12.30	0.958	0.161	(0.249)	0.797
10	0.83	29.10	2.266	0.161	(0.589)	2.105
11	0.92	6.80	0.529	(0.161)	0.138	0.392
12	1.00	5.00	0.389	(0.161)	0.101	0.288

(Loss Rate Not Used)

Sum = 100.0 Sum = 6.3

Flood volume = Effective rainfall 0.52(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.12(In)
Total soil loss = 0.032(Ac.Ft)
Total rainfall = 0.65(In)
Flood volume = 5823.6 Cubic Feet
Total soil loss = 1383.2 Cubic Feet

Peak flow rate of this hydrograph = 4.602(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0028	0.41	VQ				
0+10	0.0077	0.70	Q				
0+15	0.0134	0.83	QV				
0+20	0.0194	0.88	Q V				
0+25	0.0261	0.97	Q V				
0+30	0.0336	1.09	Q	V			
0+35	0.0421	1.23	Q	V			
0+40	0.0520	1.44	Q		V		
0+45	0.0661	2.04		Q	V		
0+50	0.0978	4.60			Q	V	
0+55	0.1206	3.32		Q		V	

1+ 0	0.1303	1.41		Q				v	
1+ 5	0.1333	0.43	Q					v	
1+10	0.1337	0.06	Q					v	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda2242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.285)	0.004	0.011
2	0.17	0.07	0.015	(0.284)	0.004	0.011
3	0.25	0.07	0.015	(0.283)	0.004	0.011
4	0.33	0.10	0.023	(0.282)	0.006	0.017
5	0.42	0.10	0.023	(0.280)	0.006	0.017
6	0.50	0.10	0.023	(0.279)	0.006	0.017
7	0.58	0.10	0.023	(0.278)	0.006	0.017
8	0.67	0.10	0.023	(0.277)	0.006	0.017
9	0.75	0.10	0.023	(0.276)	0.006	0.017
10	0.83	0.13	0.031	(0.275)	0.008	0.023
11	0.92	0.13	0.031	(0.274)	0.008	0.023
12	1.00	0.13	0.031	(0.273)	0.008	0.023
13	1.08	0.10	0.023	(0.272)	0.006	0.017
14	1.17	0.10	0.023	(0.271)	0.006	0.017
15	1.25	0.10	0.023	(0.270)	0.006	0.017
16	1.33	0.10	0.023	(0.269)	0.006	0.017
17	1.42	0.10	0.023	(0.268)	0.006	0.017
18	1.50	0.10	0.023	(0.266)	0.006	0.017
19	1.58	0.10	0.023	(0.265)	0.006	0.017
20	1.67	0.10	0.023	(0.264)	0.006	0.017
21	1.75	0.10	0.023	(0.263)	0.006	0.017
22	1.83	0.13	0.031	(0.262)	0.008	0.023
23	1.92	0.13	0.031	(0.261)	0.008	0.023
24	2.00	0.13	0.031	(0.260)	0.008	0.023
25	2.08	0.13	0.031	(0.259)	0.008	0.023
26	2.17	0.13	0.031	(0.258)	0.008	0.023
27	2.25	0.13	0.031	(0.257)	0.008	0.023
28	2.33	0.13	0.031	(0.256)	0.008	0.023
29	2.42	0.13	0.031	(0.255)	0.008	0.023
30	2.50	0.13	0.031	(0.254)	0.008	0.023
31	2.58	0.17	0.039	(0.253)	0.010	0.029
32	2.67	0.17	0.039	(0.252)	0.010	0.029
33	2.75	0.17	0.039	(0.251)	0.010	0.029
34	2.83	0.17	0.039	(0.250)	0.010	0.029
35	2.92	0.17	0.039	(0.249)	0.010	0.029
36	3.00	0.17	0.039	(0.248)	0.010	0.029
37	3.08	0.17	0.039	(0.247)	0.010	0.029
38	3.17	0.17	0.039	(0.246)	0.010	0.029
39	3.25	0.17	0.039	(0.245)	0.010	0.029
40	3.33	0.17	0.039	(0.244)	0.010	0.029
41	3.42	0.17	0.039	(0.243)	0.010	0.029
42	3.50	0.17	0.039	(0.241)	0.010	0.029
43	3.58	0.17	0.039	(0.240)	0.010	0.029
44	3.67	0.17	0.039	(0.239)	0.010	0.029
45	3.75	0.17	0.039	(0.238)	0.010	0.029
46	3.83	0.20	0.046	(0.237)	0.012	0.034

47	3.92	0.20	0.046	(0.236)	0.012	0.034
48	4.00	0.20	0.046	(0.235)	0.012	0.034
49	4.08	0.20	0.046	(0.234)	0.012	0.034
50	4.17	0.20	0.046	(0.233)	0.012	0.034
51	4.25	0.20	0.046	(0.232)	0.012	0.034
52	4.33	0.23	0.054	(0.231)	0.014	0.040
53	4.42	0.23	0.054	(0.230)	0.014	0.040
54	4.50	0.23	0.054	(0.229)	0.014	0.040
55	4.58	0.23	0.054	(0.229)	0.014	0.040
56	4.67	0.23	0.054	(0.228)	0.014	0.040
57	4.75	0.23	0.054	(0.227)	0.014	0.040
58	4.83	0.27	0.062	(0.226)	0.016	0.046
59	4.92	0.27	0.062	(0.225)	0.016	0.046
60	5.00	0.27	0.062	(0.224)	0.016	0.046
61	5.08	0.20	0.046	(0.223)	0.012	0.034
62	5.17	0.20	0.046	(0.222)	0.012	0.034
63	5.25	0.20	0.046	(0.221)	0.012	0.034
64	5.33	0.23	0.054	(0.220)	0.014	0.040
65	5.42	0.23	0.054	(0.219)	0.014	0.040
66	5.50	0.23	0.054	(0.218)	0.014	0.040
67	5.58	0.27	0.062	(0.217)	0.016	0.046
68	5.67	0.27	0.062	(0.216)	0.016	0.046
69	5.75	0.27	0.062	(0.215)	0.016	0.046
70	5.83	0.27	0.062	(0.214)	0.016	0.046
71	5.92	0.27	0.062	(0.213)	0.016	0.046
72	6.00	0.27	0.062	(0.212)	0.016	0.046
73	6.08	0.30	0.069	(0.211)	0.018	0.051
74	6.17	0.30	0.069	(0.210)	0.018	0.051
75	6.25	0.30	0.069	(0.209)	0.018	0.051
76	6.33	0.30	0.069	(0.208)	0.018	0.051
77	6.42	0.30	0.069	(0.207)	0.018	0.051
78	6.50	0.30	0.069	(0.207)	0.018	0.051
79	6.58	0.33	0.077	(0.206)	0.020	0.057
80	6.67	0.33	0.077	(0.205)	0.020	0.057
81	6.75	0.33	0.077	(0.204)	0.020	0.057
82	6.83	0.33	0.077	(0.203)	0.020	0.057
83	6.92	0.33	0.077	(0.202)	0.020	0.057
84	7.00	0.33	0.077	(0.201)	0.020	0.057
85	7.08	0.33	0.077	(0.200)	0.020	0.057
86	7.17	0.33	0.077	(0.199)	0.020	0.057
87	7.25	0.33	0.077	(0.198)	0.020	0.057
88	7.33	0.37	0.085	(0.197)	0.022	0.063
89	7.42	0.37	0.085	(0.196)	0.022	0.063
90	7.50	0.37	0.085	(0.196)	0.022	0.063
91	7.58	0.40	0.093	(0.195)	0.024	0.069
92	7.67	0.40	0.093	(0.194)	0.024	0.069
93	7.75	0.40	0.093	(0.193)	0.024	0.069
94	7.83	0.43	0.100	(0.192)	0.026	0.074
95	7.92	0.43	0.100	(0.191)	0.026	0.074
96	8.00	0.43	0.100	(0.190)	0.026	0.074

97	8.08	0.50	0.116	(0.189)	0.030	0.086
98	8.17	0.50	0.116	(0.188)	0.030	0.086
99	8.25	0.50	0.116	(0.188)	0.030	0.086
100	8.33	0.50	0.116	(0.187)	0.030	0.086
101	8.42	0.50	0.116	(0.186)	0.030	0.086
102	8.50	0.50	0.116	(0.185)	0.030	0.086
103	8.58	0.53	0.124	(0.184)	0.032	0.091
104	8.67	0.53	0.124	(0.183)	0.032	0.091
105	8.75	0.53	0.124	(0.182)	0.032	0.091
106	8.83	0.57	0.131	(0.181)	0.034	0.097
107	8.92	0.57	0.131	(0.181)	0.034	0.097
108	9.00	0.57	0.131	(0.180)	0.034	0.097
109	9.08	0.63	0.147	(0.179)	0.038	0.109
110	9.17	0.63	0.147	(0.178)	0.038	0.109
111	9.25	0.63	0.147	(0.177)	0.038	0.109
112	9.33	0.67	0.154	(0.176)	0.040	0.114
113	9.42	0.67	0.154	(0.176)	0.040	0.114
114	9.50	0.67	0.154	(0.175)	0.040	0.114
115	9.58	0.70	0.162	(0.174)	0.042	0.120
116	9.67	0.70	0.162	(0.173)	0.042	0.120
117	9.75	0.70	0.162	(0.172)	0.042	0.120
118	9.83	0.73	0.170	(0.171)	0.044	0.126
119	9.92	0.73	0.170	(0.171)	0.044	0.126
120	10.00	0.73	0.170	(0.170)	0.044	0.126
121	10.08	0.50	0.116	(0.169)	0.030	0.086
122	10.17	0.50	0.116	(0.168)	0.030	0.086
123	10.25	0.50	0.116	(0.167)	0.030	0.086
124	10.33	0.50	0.116	(0.166)	0.030	0.086
125	10.42	0.50	0.116	(0.166)	0.030	0.086
126	10.50	0.50	0.116	(0.165)	0.030	0.086
127	10.58	0.67	0.154	(0.164)	0.040	0.114
128	10.67	0.67	0.154	(0.163)	0.040	0.114
129	10.75	0.67	0.154	(0.162)	0.040	0.114
130	10.83	0.67	0.154	(0.162)	0.040	0.114
131	10.92	0.67	0.154	(0.161)	0.040	0.114
132	11.00	0.67	0.154	(0.160)	0.040	0.114
133	11.08	0.63	0.147	(0.159)	0.038	0.109
134	11.17	0.63	0.147	(0.158)	0.038	0.109
135	11.25	0.63	0.147	(0.158)	0.038	0.109
136	11.33	0.63	0.147	(0.157)	0.038	0.109
137	11.42	0.63	0.147	(0.156)	0.038	0.109
138	11.50	0.63	0.147	(0.155)	0.038	0.109
139	11.58	0.57	0.131	(0.155)	0.034	0.097
140	11.67	0.57	0.131	(0.154)	0.034	0.097
141	11.75	0.57	0.131	(0.153)	0.034	0.097
142	11.83	0.60	0.139	(0.152)	0.036	0.103
143	11.92	0.60	0.139	(0.152)	0.036	0.103
144	12.00	0.60	0.139	(0.151)	0.036	0.103
145	12.08	0.83	0.193	(0.150)	0.050	0.143
146	12.17	0.83	0.193	(0.149)	0.050	0.143

147	12.25	0.83	0.193	(0.149)	0.050	0.143
148	12.33	0.87	0.201	(0.148)	0.052	0.149
149	12.42	0.87	0.201	(0.147)	0.052	0.149
150	12.50	0.87	0.201	(0.146)	0.052	0.149
151	12.58	0.93	0.216	(0.146)	0.056	0.160
152	12.67	0.93	0.216	(0.145)	0.056	0.160
153	12.75	0.93	0.216	(0.144)	0.056	0.160
154	12.83	0.97	0.224	(0.143)	0.058	0.166
155	12.92	0.97	0.224	(0.143)	0.058	0.166
156	13.00	0.97	0.224	(0.142)	0.058	0.166
157	13.08	1.13	0.262	(0.141)	0.068	0.194
158	13.17	1.13	0.262	(0.140)	0.068	0.194
159	13.25	1.13	0.262	(0.140)	0.068	0.194
160	13.33	1.13	0.262	(0.139)	0.068	0.194
161	13.42	1.13	0.262	(0.138)	0.068	0.194
162	13.50	1.13	0.262	(0.138)	0.068	0.194
163	13.58	0.77	0.178	(0.137)	0.046	0.131
164	13.67	0.77	0.178	(0.136)	0.046	0.131
165	13.75	0.77	0.178	(0.136)	0.046	0.131
166	13.83	0.77	0.178	(0.135)	0.046	0.131
167	13.92	0.77	0.178	(0.134)	0.046	0.131
168	14.00	0.77	0.178	(0.133)	0.046	0.131
169	14.08	0.90	0.208	(0.133)	0.054	0.154
170	14.17	0.90	0.208	(0.132)	0.054	0.154
171	14.25	0.90	0.208	(0.131)	0.054	0.154
172	14.33	0.87	0.201	(0.131)	0.052	0.149
173	14.42	0.87	0.201	(0.130)	0.052	0.149
174	14.50	0.87	0.201	(0.129)	0.052	0.149
175	14.58	0.87	0.201	(0.129)	0.052	0.149
176	14.67	0.87	0.201	(0.128)	0.052	0.149
177	14.75	0.87	0.201	(0.127)	0.052	0.149
178	14.83	0.83	0.193	(0.127)	0.050	0.143
179	14.92	0.83	0.193	(0.126)	0.050	0.143
180	15.00	0.83	0.193	(0.126)	0.050	0.143
181	15.08	0.80	0.185	(0.125)	0.048	0.137
182	15.17	0.80	0.185	(0.124)	0.048	0.137
183	15.25	0.80	0.185	(0.124)	0.048	0.137
184	15.33	0.77	0.178	(0.123)	0.046	0.131
185	15.42	0.77	0.178	(0.122)	0.046	0.131
186	15.50	0.77	0.178	(0.122)	0.046	0.131
187	15.58	0.63	0.147	(0.121)	0.038	0.109
188	15.67	0.63	0.147	(0.120)	0.038	0.109
189	15.75	0.63	0.147	(0.120)	0.038	0.109
190	15.83	0.63	0.147	(0.119)	0.038	0.109
191	15.92	0.63	0.147	(0.119)	0.038	0.109
192	16.00	0.63	0.147	(0.118)	0.038	0.109
193	16.08	0.13	0.031	(0.117)	0.008	0.023
194	16.17	0.13	0.031	(0.117)	0.008	0.023
195	16.25	0.13	0.031	(0.116)	0.008	0.023
196	16.33	0.13	0.031	(0.116)	0.008	0.023

197	16.42	0.13	0.031	(0.115)	0.008	0.023
198	16.50	0.13	0.031	(0.114)	0.008	0.023
199	16.58	0.10	0.023	(0.114)	0.006	0.017
200	16.67	0.10	0.023	(0.113)	0.006	0.017
201	16.75	0.10	0.023	(0.113)	0.006	0.017
202	16.83	0.10	0.023	(0.112)	0.006	0.017
203	16.92	0.10	0.023	(0.112)	0.006	0.017
204	17.00	0.10	0.023	(0.111)	0.006	0.017
205	17.08	0.17	0.039	(0.110)	0.010	0.029
206	17.17	0.17	0.039	(0.110)	0.010	0.029
207	17.25	0.17	0.039	(0.109)	0.010	0.029
208	17.33	0.17	0.039	(0.109)	0.010	0.029
209	17.42	0.17	0.039	(0.108)	0.010	0.029
210	17.50	0.17	0.039	(0.108)	0.010	0.029
211	17.58	0.17	0.039	(0.107)	0.010	0.029
212	17.67	0.17	0.039	(0.107)	0.010	0.029
213	17.75	0.17	0.039	(0.106)	0.010	0.029
214	17.83	0.13	0.031	(0.106)	0.008	0.023
215	17.92	0.13	0.031	(0.105)	0.008	0.023
216	18.00	0.13	0.031	(0.105)	0.008	0.023
217	18.08	0.13	0.031	(0.104)	0.008	0.023
218	18.17	0.13	0.031	(0.104)	0.008	0.023
219	18.25	0.13	0.031	(0.103)	0.008	0.023
220	18.33	0.13	0.031	(0.102)	0.008	0.023
221	18.42	0.13	0.031	(0.102)	0.008	0.023
222	18.50	0.13	0.031	(0.102)	0.008	0.023
223	18.58	0.10	0.023	(0.101)	0.006	0.017
224	18.67	0.10	0.023	(0.101)	0.006	0.017
225	18.75	0.10	0.023	(0.100)	0.006	0.017
226	18.83	0.07	0.015	(0.100)	0.004	0.011
227	18.92	0.07	0.015	(0.099)	0.004	0.011
228	19.00	0.07	0.015	(0.099)	0.004	0.011
229	19.08	0.10	0.023	(0.098)	0.006	0.017
230	19.17	0.10	0.023	(0.098)	0.006	0.017
231	19.25	0.10	0.023	(0.097)	0.006	0.017
232	19.33	0.13	0.031	(0.097)	0.008	0.023
233	19.42	0.13	0.031	(0.096)	0.008	0.023
234	19.50	0.13	0.031	(0.096)	0.008	0.023
235	19.58	0.10	0.023	(0.095)	0.006	0.017
236	19.67	0.10	0.023	(0.095)	0.006	0.017
237	19.75	0.10	0.023	(0.095)	0.006	0.017
238	19.83	0.07	0.015	(0.094)	0.004	0.011
239	19.92	0.07	0.015	(0.094)	0.004	0.011
240	20.00	0.07	0.015	(0.093)	0.004	0.011
241	20.08	0.10	0.023	(0.093)	0.006	0.017
242	20.17	0.10	0.023	(0.093)	0.006	0.017
243	20.25	0.10	0.023	(0.092)	0.006	0.017
244	20.33	0.10	0.023	(0.092)	0.006	0.017
245	20.42	0.10	0.023	(0.091)	0.006	0.017
246	20.50	0.10	0.023	(0.091)	0.006	0.017

247	20.58	0.10	0.023	(0.091)	0.006	0.017
248	20.67	0.10	0.023	(0.090)	0.006	0.017
249	20.75	0.10	0.023	(0.090)	0.006	0.017
250	20.83	0.07	0.015	(0.089)	0.004	0.011
251	20.92	0.07	0.015	(0.089)	0.004	0.011
252	21.00	0.07	0.015	(0.089)	0.004	0.011
253	21.08	0.10	0.023	(0.088)	0.006	0.017
254	21.17	0.10	0.023	(0.088)	0.006	0.017
255	21.25	0.10	0.023	(0.088)	0.006	0.017
256	21.33	0.07	0.015	(0.087)	0.004	0.011
257	21.42	0.07	0.015	(0.087)	0.004	0.011
258	21.50	0.07	0.015	(0.087)	0.004	0.011
259	21.58	0.10	0.023	(0.086)	0.006	0.017
260	21.67	0.10	0.023	(0.086)	0.006	0.017
261	21.75	0.10	0.023	(0.086)	0.006	0.017
262	21.83	0.07	0.015	(0.085)	0.004	0.011
263	21.92	0.07	0.015	(0.085)	0.004	0.011
264	22.00	0.07	0.015	(0.085)	0.004	0.011
265	22.08	0.10	0.023	(0.085)	0.006	0.017
266	22.17	0.10	0.023	(0.084)	0.006	0.017
267	22.25	0.10	0.023	(0.084)	0.006	0.017
268	22.33	0.07	0.015	(0.084)	0.004	0.011
269	22.42	0.07	0.015	(0.084)	0.004	0.011
270	22.50	0.07	0.015	(0.083)	0.004	0.011
271	22.58	0.07	0.015	(0.083)	0.004	0.011
272	22.67	0.07	0.015	(0.083)	0.004	0.011
273	22.75	0.07	0.015	(0.083)	0.004	0.011
274	22.83	0.07	0.015	(0.082)	0.004	0.011
275	22.92	0.07	0.015	(0.082)	0.004	0.011
276	23.00	0.07	0.015	(0.082)	0.004	0.011
277	23.08	0.07	0.015	(0.082)	0.004	0.011
278	23.17	0.07	0.015	(0.082)	0.004	0.011
279	23.25	0.07	0.015	(0.081)	0.004	0.011
280	23.33	0.07	0.015	(0.081)	0.004	0.011
281	23.42	0.07	0.015	(0.081)	0.004	0.011
282	23.50	0.07	0.015	(0.081)	0.004	0.011
283	23.58	0.07	0.015	(0.081)	0.004	0.011
284	23.67	0.07	0.015	(0.081)	0.004	0.011
285	23.75	0.07	0.015	(0.081)	0.004	0.011
286	23.83	0.07	0.015	(0.080)	0.004	0.011
287	23.92	0.07	0.015	(0.080)	0.004	0.011
288	24.00	0.07	0.015	(0.080)	0.004	0.011

(Loss Rate Not Used)

Sum = 100.0

Sum = 17.1

Flood volume = Effective rainfall 1.43(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)

Total soil loss = 0.50(In)

Total soil loss = 0.128(Ac.Ft)

Total rainfall = 1.93(In)

Flood volume = 15864.1 Cubic Feet

Total soil loss = 5573.9 Cubic Feet

Peak flow rate of this hydrograph = 0.599(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0004	0.03	Q				
0+15	0.0006	0.04	Q				
0+20	0.0009	0.04	Q				
0+25	0.0013	0.05	Q				
0+30	0.0016	0.05	Q				
0+35	0.0020	0.05	Q				
0+40	0.0024	0.05	Q				
0+45	0.0027	0.05	Q				
0+50	0.0032	0.06	Q				
0+55	0.0036	0.07	Q				
1+ 0	0.0041	0.07	Q				
1+ 5	0.0045	0.06	Q				
1+10	0.0049	0.05	Q				
1+15	0.0053	0.05	Q				
1+20	0.0056	0.05	Q				
1+25	0.0060	0.05	Q				
1+30	0.0064	0.05	Q				
1+35	0.0067	0.05	Q				
1+40	0.0071	0.05	Q				
1+45	0.0075	0.05	Q				
1+50	0.0079	0.06	Q				
1+55	0.0084	0.07	Q				
2+ 0	0.0088	0.07	Q				
2+ 5	0.0093	0.07	QV				
2+10	0.0098	0.07	QV				
2+15	0.0103	0.07	QV				
2+20	0.0108	0.07	QV				
2+25	0.0113	0.07	QV				
2+30	0.0118	0.07	QV				
2+35	0.0123	0.08	QV				
2+40	0.0129	0.09	QV				
2+45	0.0135	0.09	QV				
2+50	0.0141	0.09	QV				
2+55	0.0147	0.09	QV				
3+ 0	0.0153	0.09	QV				
3+ 5	0.0159	0.09	QV				

3+10	0.0166	0.09	QV				
3+15	0.0172	0.09	QV				
3+20	0.0178	0.09	QV				
3+25	0.0184	0.09	Q V				
3+30	0.0190	0.09	Q V				
3+35	0.0196	0.09	Q V				
3+40	0.0202	0.09	Q V				
3+45	0.0208	0.09	Q V				
3+50	0.0215	0.10	Q V				
3+55	0.0222	0.10	Q V				
4+ 0	0.0229	0.11	Q V				
4+ 5	0.0237	0.11	Q V				
4+10	0.0244	0.11	Q V				
4+15	0.0251	0.11	Q V				
4+20	0.0259	0.12	Q V				
4+25	0.0267	0.12	Q V				
4+30	0.0276	0.12	Q V				
4+35	0.0284	0.12	Q V				
4+40	0.0293	0.12	Q V				
4+45	0.0301	0.12	Q V				
4+50	0.0311	0.13	Q V				
4+55	0.0320	0.14	Q V				
5+ 0	0.0330	0.14	Q V				
5+ 5	0.0338	0.12	Q V				
5+10	0.0346	0.11	Q V				
5+15	0.0353	0.11	Q V				
5+20	0.0361	0.12	Q V				
5+25	0.0369	0.12	Q V				
5+30	0.0378	0.12	Q V				
5+35	0.0387	0.13	Q V				
5+40	0.0397	0.14	Q V				
5+45	0.0406	0.14	Q V				
5+50	0.0416	0.14	Q V				
5+55	0.0426	0.14	Q V				
6+ 0	0.0436	0.14	Q V				
6+ 5	0.0446	0.15	Q V				
6+10	0.0457	0.16	Q V				
6+15	0.0468	0.16	Q V				
6+20	0.0479	0.16	Q V				
6+25	0.0490	0.16	Q V				
6+30	0.0500	0.16	Q V				
6+35	0.0512	0.17	Q V				
6+40	0.0524	0.18	Q V				
6+45	0.0536	0.18	Q V				
6+50	0.0548	0.18	Q V				
6+55	0.0561	0.18	Q V				
7+ 0	0.0573	0.18	Q V				
7+ 5	0.0585	0.18	Q V				
7+10	0.0597	0.18	Q V				
7+15	0.0609	0.18	Q V				

7+20	0.0622	0.19	Q	V				
7+25	0.0635	0.19	Q	V				
7+30	0.0649	0.19	Q	V				
7+35	0.0663	0.20	Q	V				
7+40	0.0677	0.21	Q	V				
7+45	0.0692	0.21	Q	V				
7+50	0.0707	0.22	Q	V				
7+55	0.0723	0.23	Q	V				
8+ 0	0.0738	0.23	Q	V				
8+ 5	0.0755	0.25	Q	V				
8+10	0.0773	0.26	Q	V				
8+15	0.0792	0.26	Q	V				
8+20	0.0810	0.26	Q	V				
8+25	0.0828	0.26	Q	V				
8+30	0.0846	0.26	Q	V				
8+35	0.0865	0.27	Q	V				
8+40	0.0884	0.28	Q	V				
8+45	0.0904	0.28	Q	V				
8+50	0.0924	0.29	Q	V				
8+55	0.0945	0.30	Q	V				
9+ 0	0.0965	0.30	Q	V				
9+ 5	0.0987	0.32	Q	V				
9+10	0.1010	0.33	Q	V				
9+15	0.1033	0.33	Q	V				
9+20	0.1057	0.34	Q	V				
9+25	0.1081	0.35	Q	V				
9+30	0.1105	0.35	Q	V				
9+35	0.1130	0.36	Q	V				
9+40	0.1156	0.37	Q	V				
9+45	0.1181	0.37	Q	V				
9+50	0.1207	0.38	Q	V				
9+55	0.1234	0.39	Q	V				
10+ 0	0.1261	0.39	Q	V				
10+ 5	0.1283	0.32	Q	V				
10+10	0.1302	0.27	Q	V				
10+15	0.1320	0.26	Q	V				
10+20	0.1338	0.26	Q	V				
10+25	0.1356	0.26	Q	V				
10+30	0.1374	0.26	Q	V				
10+35	0.1396	0.31	Q	V				
10+40	0.1420	0.35	Q	V				
10+45	0.1444	0.35	Q	V				
10+50	0.1468	0.35	Q	V				
10+55	0.1493	0.35	Q	V				
11+ 0	0.1517	0.35	Q	V				
11+ 5	0.1540	0.34	Q	V				
11+10	0.1564	0.34	Q	V				
11+15	0.1587	0.33	Q	V				
11+20	0.1610	0.33	Q	V				
11+25	0.1633	0.33	Q	V				

11+30	0.1656	0.33	Q	V			
11+35	0.1678	0.32	Q	V			
11+40	0.1698	0.30	Q	V			
11+45	0.1719	0.30	Q	V			
11+50	0.1740	0.31	Q	V			
11+55	0.1762	0.32	Q	V			
12+ 0	0.1784	0.32	Q	V			
12+ 5	0.1810	0.38	Q	V			
12+10	0.1840	0.43	Q	V			
12+15	0.1871	0.44	Q	V			
12+20	0.1902	0.45	Q	V			
12+25	0.1933	0.46	Q	V			
12+30	0.1965	0.46	Q	V			
12+35	0.1998	0.48	Q	V			
12+40	0.2031	0.49	Q	V			
12+45	0.2065	0.49	Q	V			
12+50	0.2100	0.50	Q	V			
12+55	0.2135	0.51	Q	V			
13+ 0	0.2170	0.51	Q	V			
13+ 5	0.2209	0.56	Q	V			
13+10	0.2250	0.59	Q	V			
13+15	0.2291	0.60	Q	V			
13+20	0.2332	0.60	Q	V			
13+25	0.2373	0.60	Q	V			
13+30	0.2415	0.60	Q	V			
13+35	0.2449	0.49	Q	V			
13+40	0.2478	0.42	Q	V			
13+45	0.2506	0.41	Q	V			
13+50	0.2533	0.41	Q	V			
13+55	0.2561	0.41	Q	V			
14+ 0	0.2589	0.41	Q	V			
14+ 5	0.2620	0.44	Q	V			
14+10	0.2652	0.47	Q	V			
14+15	0.2685	0.48	Q	V			
14+20	0.2717	0.47	Q	V			
14+25	0.2749	0.46	Q	V			
14+30	0.2780	0.46	Q	V			
14+35	0.2812	0.46	Q	V			
14+40	0.2844	0.46	Q	V			
14+45	0.2875	0.46	Q	V			
14+50	0.2906	0.45	Q	V			
14+55	0.2936	0.44	Q	V			
15+ 0	0.2967	0.44	Q	V			
15+ 5	0.2996	0.43	Q	V			
15+10	0.3026	0.42	Q	V			
15+15	0.3055	0.42	Q	V			
15+20	0.3083	0.41	Q	V			
15+25	0.3111	0.41	Q	V			
15+30	0.3139	0.41	Q	V			
15+35	0.3164	0.37	Q	V			

15+40	0.3188	0.34	Q				V
15+45	0.3211	0.33	Q				V
15+50	0.3234	0.33	Q				V
15+55	0.3257	0.33	Q				V
16+ 0	0.3280	0.33	Q				V
16+ 5	0.3293	0.19	Q				V
16+10	0.3299	0.09	Q				V
16+15	0.3304	0.07	Q				V
16+20	0.3309	0.07	Q				V
16+25	0.3314	0.07	Q				V
16+30	0.3319	0.07	Q				V
16+35	0.3323	0.06	Q				V
16+40	0.3327	0.05	Q				V
16+45	0.3330	0.05	Q				V
16+50	0.3334	0.05	Q				V
16+55	0.3338	0.05	Q				V
17+ 0	0.3341	0.05	Q				V
17+ 5	0.3346	0.07	Q				V
17+10	0.3352	0.09	Q				V
17+15	0.3358	0.09	Q				V
17+20	0.3364	0.09	Q				V
17+25	0.3370	0.09	Q				V
17+30	0.3376	0.09	Q				V
17+35	0.3383	0.09	Q				V
17+40	0.3389	0.09	Q				V
17+45	0.3395	0.09	Q				V
17+50	0.3400	0.08	Q				V
17+55	0.3405	0.07	Q				V
18+ 0	0.3410	0.07	Q				V
18+ 5	0.3415	0.07	Q				V
18+10	0.3420	0.07	Q				V
18+15	0.3424	0.07	Q				V
18+20	0.3429	0.07	Q				V
18+25	0.3434	0.07	Q				V
18+30	0.3439	0.07	Q				V
18+35	0.3443	0.06	Q				V
18+40	0.3447	0.05	Q				V
18+45	0.3451	0.05	Q				V
18+50	0.3454	0.04	Q				V
18+55	0.3456	0.04	Q				V
19+ 0	0.3459	0.04	Q				V
19+ 5	0.3462	0.04	Q				V
19+10	0.3465	0.05	Q				V
19+15	0.3469	0.05	Q				V
19+20	0.3473	0.06	Q				V
19+25	0.3478	0.07	Q				V
19+30	0.3483	0.07	Q				V
19+35	0.3487	0.06	Q				V
19+40	0.3491	0.05	Q				V
19+45	0.3494	0.05	Q				V

19+50	0.3497	0.04	Q				V
19+55	0.3500	0.04	Q				V
20+ 0	0.3502	0.04	Q				V
20+ 5	0.3505	0.04	Q				V
20+10	0.3509	0.05	Q				V
20+15	0.3513	0.05	Q				V
20+20	0.3516	0.05	Q				V
20+25	0.3520	0.05	Q				V
20+30	0.3523	0.05	Q				V
20+35	0.3527	0.05	Q				V
20+40	0.3531	0.05	Q				V
20+45	0.3534	0.05	Q				V
20+50	0.3537	0.04	Q				V
20+55	0.3540	0.04	Q				V
21+ 0	0.3542	0.04	Q				V
21+ 5	0.3545	0.04	Q				V
21+10	0.3549	0.05	Q				V
21+15	0.3553	0.05	Q				V
21+20	0.3556	0.04	Q				V
21+25	0.3558	0.04	Q				V
21+30	0.3560	0.04	Q				V
21+35	0.3564	0.04	Q				V
21+40	0.3567	0.05	Q				V
21+45	0.3571	0.05	Q				V
21+50	0.3574	0.04	Q				V
21+55	0.3576	0.04	Q				V
22+ 0	0.3579	0.04	Q				V
22+ 5	0.3582	0.04	Q				V
22+10	0.3585	0.05	Q				V
22+15	0.3589	0.05	Q				V
22+20	0.3592	0.04	Q				V
22+25	0.3594	0.04	Q				V
22+30	0.3597	0.04	Q				V
22+35	0.3599	0.04	Q				V
22+40	0.3602	0.04	Q				V
22+45	0.3604	0.04	Q				V
22+50	0.3607	0.04	Q				V
22+55	0.3609	0.04	Q				V
23+ 0	0.3611	0.04	Q				V
23+ 5	0.3614	0.04	Q				V
23+10	0.3616	0.04	Q				V
23+15	0.3619	0.04	Q				V
23+20	0.3621	0.04	Q				V
23+25	0.3624	0.04	Q				V
23+30	0.3626	0.04	Q				V
23+35	0.3628	0.04	Q				V
23+40	0.3631	0.04	Q				V
23+45	0.3633	0.04	Q				V
23+50	0.3636	0.04	Q				V
23+55	0.3638	0.04	Q				V

24+ 0	0.3641	0.04	Q				V
24+ 5	0.3642	0.02	Q				V
24+10	0.3642	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda262.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.161)	0.018	0.050
2	0.17	0.60	0.081	(0.161)	0.021	0.060
3	0.25	0.60	0.081	(0.161)	0.021	0.060
4	0.33	0.60	0.081	(0.161)	0.021	0.060
5	0.42	0.60	0.081	(0.161)	0.021	0.060
6	0.50	0.70	0.095	(0.161)	0.025	0.070
7	0.58	0.70	0.095	(0.161)	0.025	0.070
8	0.67	0.70	0.095	(0.161)	0.025	0.070
9	0.75	0.70	0.095	(0.161)	0.025	0.070
10	0.83	0.70	0.095	(0.161)	0.025	0.070
11	0.92	0.70	0.095	(0.161)	0.025	0.070
12	1.00	0.80	0.108	(0.161)	0.028	0.080
13	1.08	0.80	0.108	(0.161)	0.028	0.080
14	1.17	0.80	0.108	(0.161)	0.028	0.080
15	1.25	0.80	0.108	(0.161)	0.028	0.080
16	1.33	0.80	0.108	(0.161)	0.028	0.080
17	1.42	0.80	0.108	(0.161)	0.028	0.080
18	1.50	0.80	0.108	(0.161)	0.028	0.080
19	1.58	0.80	0.108	(0.161)	0.028	0.080
20	1.67	0.80	0.108	(0.161)	0.028	0.080
21	1.75	0.80	0.108	(0.161)	0.028	0.080
22	1.83	0.80	0.108	(0.161)	0.028	0.080
23	1.92	0.80	0.108	(0.161)	0.028	0.080
24	2.00	0.90	0.122	(0.161)	0.032	0.090
25	2.08	0.80	0.108	(0.161)	0.028	0.080
26	2.17	0.90	0.122	(0.161)	0.032	0.090
27	2.25	0.90	0.122	(0.161)	0.032	0.090
28	2.33	0.90	0.122	(0.161)	0.032	0.090
29	2.42	0.90	0.122	(0.161)	0.032	0.090
30	2.50	0.90	0.122	(0.161)	0.032	0.090
31	2.58	0.90	0.122	(0.161)	0.032	0.090
32	2.67	0.90	0.122	(0.161)	0.032	0.090
33	2.75	1.00	0.136	(0.161)	0.035	0.100
34	2.83	1.00	0.136	(0.161)	0.035	0.100
35	2.92	1.00	0.136	(0.161)	0.035	0.100
36	3.00	1.00	0.136	(0.161)	0.035	0.100
37	3.08	1.00	0.136	(0.161)	0.035	0.100
38	3.17	1.10	0.149	(0.161)	0.039	0.110
39	3.25	1.10	0.149	(0.161)	0.039	0.110
40	3.33	1.10	0.149	(0.161)	0.039	0.110
41	3.42	1.20	0.163	(0.161)	0.042	0.120
42	3.50	1.30	0.176	(0.161)	0.046	0.130
43	3.58	1.40	0.190	(0.161)	0.049	0.140
44	3.67	1.40	0.190	(0.161)	0.049	0.140
45	3.75	1.50	0.203	(0.161)	0.053	0.151
46	3.83	1.50	0.203	(0.161)	0.053	0.151

47	3.92	1.60	0.217	(0.161)	0.056	0.161
48	4.00	1.60	0.217	(0.161)	0.056	0.161
49	4.08	1.70	0.231	(0.161)	0.060	0.171
50	4.17	1.80	0.244	(0.161)	0.063	0.181
51	4.25	1.90	0.258	(0.161)	0.067	0.191
52	4.33	2.00	0.271	(0.161)	0.071	0.201
53	4.42	2.10	0.285	(0.161)	0.074	0.211
54	4.50	2.10	0.285	(0.161)	0.074	0.211
55	4.58	2.20	0.298	(0.161)	0.078	0.221
56	4.67	2.30	0.312	(0.161)	0.081	0.231
57	4.75	2.40	0.325	(0.161)	0.085	0.241
58	4.83	2.40	0.325	(0.161)	0.085	0.241
59	4.92	2.50	0.339	(0.161)	0.088	0.251
60	5.00	2.60	0.353	(0.161)	0.092	0.261
61	5.08	3.10	0.420	(0.161)	0.109	0.311
62	5.17	3.60	0.488	(0.161)	0.127	0.361
63	5.25	3.90	0.529	(0.161)	0.137	0.391
64	5.33	4.20	0.570	(0.161)	0.148	0.421
65	5.42	4.70	0.637	0.161	(0.166)	0.477
66	5.50	5.60	0.759	0.161	(0.197)	0.599
67	5.58	1.90	0.258	(0.161)	0.067	0.191
68	5.67	0.90	0.122	(0.161)	0.032	0.090
69	5.75	0.60	0.081	(0.161)	0.021	0.060
70	5.83	0.50	0.068	(0.161)	0.018	0.050
71	5.92	0.30	0.041	(0.161)	0.011	0.030
72	6.00	0.20	0.027	(0.161)	0.007	0.020

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.1

Flood volume = Effective rainfall 0.84(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.074(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 9326.9 Cubic Feet
Total soil loss = 3224.8 Cubic Feet

Peak flow rate of this hydrograph = 1.664(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0006	0.08	Q				
0+10	0.0017	0.16	Q				
0+15	0.0030	0.18	Q				

0+20	0.0042	0.19	Q				
0+25	0.0055	0.19	QV				
0+30	0.0069	0.20	QV				
0+35	0.0084	0.21	QV				
0+40	0.0099	0.22	QV				
0+45	0.0114	0.22	Q V				
0+50	0.0129	0.22	Q V				
0+55	0.0144	0.22	Q V				
1+ 0	0.0160	0.23	Q V				
1+ 5	0.0177	0.25	Q V				
1+10	0.0194	0.25	Q V				
1+15	0.0211	0.25	Q V				
1+20	0.0228	0.25	Q V				
1+25	0.0245	0.25	Q V				
1+30	0.0262	0.25	Q V				
1+35	0.0279	0.25	Q V				
1+40	0.0296	0.25	Q V				
1+45	0.0313	0.25	Q V				
1+50	0.0330	0.25	Q V				
1+55	0.0347	0.25	Q V				
2+ 0	0.0365	0.26	Q V				
2+ 5	0.0383	0.26	Q V				
2+10	0.0402	0.27	Q V				
2+15	0.0421	0.28	Q V				
2+20	0.0440	0.28	Q V				
2+25	0.0459	0.28	Q V				
2+30	0.0478	0.28	Q V				
2+35	0.0497	0.28	Q V				
2+40	0.0517	0.28	Q V				
2+45	0.0537	0.30	Q V				
2+50	0.0558	0.31	Q V				
2+55	0.0579	0.31	Q V				
3+ 0	0.0601	0.31	Q V				
3+ 5	0.0622	0.31	Q V				
3+10	0.0645	0.33	Q V				
3+15	0.0668	0.34	Q V				
3+20	0.0691	0.34	Q V				
3+25	0.0716	0.36	Q V				
3+30	0.0743	0.39	Q V				
3+35	0.0771	0.42	Q V				
3+40	0.0801	0.43	Q V				
3+45	0.0832	0.45	Q V				
3+50	0.0864	0.46	Q V				
3+55	0.0897	0.48	Q V				
4+ 0	0.0931	0.49	Q V				
4+ 5	0.0966	0.51	Q V				
4+10	0.1004	0.54	Q V				
4+15	0.1043	0.57	Q V				
4+20	0.1084	0.60	Q V				
4+25	0.1128	0.63	Q V				

4+30	0.1173	0.65	Q		V		
4+35	0.1219	0.67	Q		V		
4+40	0.1267	0.70	Q		V		
4+45	0.1317	0.73	Q		V		
4+50	0.1368	0.74	Q		V		
4+55	0.1420	0.76	Q		V		
5+ 0	0.1474	0.79	Q		V		
5+ 5	0.1535	0.89	Q		V		
5+10	0.1607	1.03	Q		V		
5+15	0.1686	1.15	Q		V		
5+20	0.1772	1.25	Q		V		
5+25	0.1868	1.39	Q		V		
5+30	0.1982	1.66	Q		V		
5+35	0.2060	1.13	Q		V		
5+40	0.2095	0.51	Q		V		
5+45	0.2113	0.25	Q		V		
5+50	0.2125	0.18	Q		V		
5+55	0.2133	0.12	Q		V		
6+ 0	0.2139	0.08	Q		V		
6+ 5	0.2141	0.03	Q		V		
6+10	0.2141	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda232.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	281.206	54.665	1.686
2 0.167	562.412	38.188	1.178
3 0.250	843.618	7.147	0.220
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.161)	0.033	0.094
2	0.17	1.30	0.127	(0.161)	0.033	0.094
3	0.25	1.10	0.108	(0.161)	0.028	0.080
4	0.33	1.50	0.147	(0.161)	0.038	0.109
5	0.42	1.50	0.147	(0.161)	0.038	0.109
6	0.50	1.80	0.176	(0.161)	0.046	0.131
7	0.58	1.50	0.147	(0.161)	0.038	0.109
8	0.67	1.80	0.176	(0.161)	0.046	0.131
9	0.75	1.80	0.176	(0.161)	0.046	0.131
10	0.83	1.50	0.147	(0.161)	0.038	0.109
11	0.92	1.60	0.157	(0.161)	0.041	0.116
12	1.00	1.80	0.176	(0.161)	0.046	0.131
13	1.08	2.20	0.216	(0.161)	0.056	0.160
14	1.17	2.20	0.216	(0.161)	0.056	0.160
15	1.25	2.20	0.216	(0.161)	0.056	0.160
16	1.33	2.00	0.196	(0.161)	0.051	0.145
17	1.42	2.60	0.255	(0.161)	0.066	0.189
18	1.50	2.70	0.265	(0.161)	0.069	0.196
19	1.58	2.40	0.235	(0.161)	0.061	0.174
20	1.67	2.70	0.265	(0.161)	0.069	0.196
21	1.75	3.30	0.324	(0.161)	0.084	0.239
22	1.83	3.10	0.304	(0.161)	0.079	0.225
23	1.92	2.90	0.284	(0.161)	0.074	0.210
24	2.00	3.00	0.294	(0.161)	0.076	0.218
25	2.08	3.10	0.304	(0.161)	0.079	0.225
26	2.17	4.20	0.412	(0.161)	0.107	0.305
27	2.25	5.00	0.490	(0.161)	0.127	0.363
28	2.33	3.50	0.343	(0.161)	0.089	0.254
29	2.42	6.80	0.667	0.161	(0.173)	0.506
30	2.50	7.30	0.716	0.161	(0.186)	0.555
31	2.58	8.20	0.804	0.161	(0.209)	0.643
32	2.67	5.90	0.578	(0.161)	0.150	0.428
33	2.75	2.00	0.196	(0.161)	0.051	0.145
34	2.83	1.80	0.176	(0.161)	0.046	0.131
35	2.92	1.80	0.176	(0.161)	0.046	0.131
36	3.00	0.60	0.059	(0.161)	0.015	0.044

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.3

Flood volume = Effective rainfall 0.61(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.21(In)

Total soil loss = 0.052(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 6795.3 Cubic Feet

Total soil loss = 2279.6 Cubic Feet

Peak flow rate of this hydrograph = 1.850(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0011	0.16	Q					
0+10	0.0030	0.27	VQ					
0+15	0.0048	0.27	Q					
0+20	0.0068	0.30	Q					
0+25	0.0091	0.33	QV					
0+30	0.0117	0.37	QV					
0+35	0.0142	0.36	Q V					
0+40	0.0168	0.38	Q V					
0+45	0.0195	0.40	Q V					
0+50	0.0220	0.37	Q V					
0+55	0.0245	0.35	Q V					
1+ 0	0.0271	0.38	Q V					
1+ 5	0.0302	0.45	Q V					
1+10	0.0335	0.49	Q V					
1+15	0.0369	0.49	Q V					
1+20	0.0401	0.47	Q V					
1+25	0.0437	0.52	Q V					
1+30	0.0478	0.58	Q V					
1+35	0.0517	0.57	Q V					
1+40	0.0557	0.58	Q V					
1+45	0.0603	0.67	Q V					
1+50	0.0651	0.70	Q V					
1+55	0.0698	0.67	Q V					
2+ 0	0.0744	0.66	Q V					
2+ 5	0.0791	0.68	Q V					
2+10	0.0848	0.83	Q V					
2+15	0.0918	1.02	Q V					
2+20	0.0981	0.92	Q V					
2+25	0.1066	1.23	Q V					
2+30	0.1176	1.59	Q V					
2+35	0.1303	1.85	Q V					
2+40	0.1413	1.60	Q V					
2+45	0.1475	0.89	Q V					
2+50	0.1508	0.49	Q V					
2+55	0.1536	0.41	Q V					
3+ 0	0.1554	0.26	Q V					
3+ 5	0.1559	0.08	Q V					
3+10	0.1560	0.01	Q V					

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda212.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-2 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 553.41(Ft.)
Length along longest watercourse measured to centroid = 330.30(Ft.)
Length along longest watercourse = 0.105 Mi.
Length along longest watercourse measured to centroid = 0.063 Mi.
Difference in elevation = 2.30(Ft.)
Slope along watercourse = 21.9439 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.78 Min.
25% of lag time = 0.44 Min.
40% of lag time = 0.71 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	281.206	54.665
2	0.167	562.412	38.188
3	0.250	843.618	7.147
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.161)	0.061	0.175
2	0.17	4.30	0.241	(0.161)	0.063	0.179
3	0.25	5.00	0.281	(0.161)	0.073	0.208
4	0.33	5.00	0.281	(0.161)	0.073	0.208
5	0.42	5.80	0.326	(0.161)	0.085	0.241
6	0.50	6.50	0.365	(0.161)	0.095	0.270
7	0.58	7.40	0.416	(0.161)	0.108	0.308
8	0.67	8.60	0.483	(0.161)	0.126	0.357
9	0.75	12.30	0.691	0.161	(0.180)	0.530
10	0.83	29.10	1.634	0.161	(0.425)	1.474
11	0.92	6.80	0.382	(0.161)	0.099	0.283
12	1.00	5.00	0.281	(0.161)	0.073	0.208

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.4

Flood volume = Effective rainfall 0.37(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.025(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 4108.8 Cubic Feet
Total soil loss = 1089.5 Cubic Feet

Peak flow rate of this hydrograph = 3.189(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0020	0.29	VQ				
0+10	0.0055	0.51	Q				
0+15	0.0096	0.60	Q V				
0+20	0.0140	0.63	Q V				
0+25	0.0188	0.70	Q V				
0+30	0.0242	0.79	Q	V			
0+35	0.0304	0.89	Q	V			
0+40	0.0374	1.02	Q	V			
0+45	0.0469	1.38	Q		V		
0+50	0.0689	3.19		Q		V	
0+55	0.0849	2.33		Q		V	

1+ 0	0.0919	1.01		Q				V	
1+ 5	0.0940	0.31		Q				V	
1+10	0.0943	0.05	Q					V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda324100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	132.277	28.640	0.883
2	0.167	264.555	48.170	1.486
3	0.250	396.832	12.335	0.380
4	0.333	529.109	5.496	0.170
5	0.417	661.387	3.007	0.093
6	0.500	793.664	1.626	0.050
7	0.583	925.941	0.725	0.022

Sum = 100.000	Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.129)	0.034	0.004
2	0.17	0.07	0.038	(0.129)	0.034	0.004
3	0.25	0.07	0.038	(0.128)	0.034	0.004
4	0.33	0.10	0.057	(0.128)	0.051	0.006
5	0.42	0.10	0.057	(0.127)	0.051	0.006
6	0.50	0.10	0.057	(0.127)	0.051	0.006
7	0.58	0.10	0.057	(0.126)	0.051	0.006
8	0.67	0.10	0.057	(0.126)	0.051	0.006
9	0.75	0.10	0.057	(0.125)	0.051	0.006
10	0.83	0.13	0.075	(0.125)	0.068	0.008
11	0.92	0.13	0.075	(0.124)	0.068	0.008
12	1.00	0.13	0.075	(0.124)	0.068	0.008
13	1.08	0.10	0.057	(0.123)	0.051	0.006
14	1.17	0.10	0.057	(0.123)	0.051	0.006
15	1.25	0.10	0.057	(0.122)	0.051	0.006
16	1.33	0.10	0.057	(0.122)	0.051	0.006
17	1.42	0.10	0.057	(0.121)	0.051	0.006
18	1.50	0.10	0.057	(0.121)	0.051	0.006
19	1.58	0.10	0.057	(0.120)	0.051	0.006
20	1.67	0.10	0.057	(0.120)	0.051	0.006
21	1.75	0.10	0.057	(0.119)	0.051	0.006
22	1.83	0.13	0.075	(0.119)	0.068	0.008
23	1.92	0.13	0.075	(0.118)	0.068	0.008
24	2.00	0.13	0.075	(0.118)	0.068	0.008
25	2.08	0.13	0.075	(0.117)	0.068	0.008
26	2.17	0.13	0.075	(0.117)	0.068	0.008
27	2.25	0.13	0.075	(0.116)	0.068	0.008
28	2.33	0.13	0.075	(0.116)	0.068	0.008
29	2.42	0.13	0.075	(0.115)	0.068	0.008
30	2.50	0.13	0.075	(0.115)	0.068	0.008
31	2.58	0.17	0.094	(0.115)	0.085	0.009
32	2.67	0.17	0.094	(0.114)	0.085	0.009
33	2.75	0.17	0.094	(0.114)	0.085	0.009
34	2.83	0.17	0.094	(0.113)	0.085	0.009
35	2.92	0.17	0.094	(0.113)	0.085	0.009
36	3.00	0.17	0.094	(0.112)	0.085	0.009
37	3.08	0.17	0.094	(0.112)	0.085	0.009
38	3.17	0.17	0.094	(0.111)	0.085	0.009
39	3.25	0.17	0.094	(0.111)	0.085	0.009
40	3.33	0.17	0.094	(0.110)	0.085	0.009
41	3.42	0.17	0.094	(0.110)	0.085	0.009
42	3.50	0.17	0.094	(0.109)	0.085	0.009

43	3.58	0.17	0.094	(0.109)	0.085	0.009
44	3.67	0.17	0.094	(0.108)	0.085	0.009
45	3.75	0.17	0.094	(0.108)	0.085	0.009
46	3.83	0.20	0.113	(0.108)	0.102	0.011
47	3.92	0.20	0.113	(0.107)	0.102	0.011
48	4.00	0.20	0.113	(0.107)	0.102	0.011
49	4.08	0.20	0.113	(0.106)	0.102	0.011
50	4.17	0.20	0.113	(0.106)	0.102	0.011
51	4.25	0.20	0.113	(0.105)	0.102	0.011
52	4.33	0.23	0.132	0.105	(0.119)	0.027
53	4.42	0.23	0.132	0.104	(0.119)	0.027
54	4.50	0.23	0.132	0.104	(0.119)	0.028
55	4.58	0.23	0.132	0.104	(0.119)	0.028
56	4.67	0.23	0.132	0.103	(0.119)	0.029
57	4.75	0.23	0.132	0.103	(0.119)	0.029
58	4.83	0.27	0.151	0.102	(0.136)	0.049
59	4.92	0.27	0.151	0.102	(0.136)	0.049
60	5.00	0.27	0.151	0.101	(0.136)	0.049
61	5.08	0.20	0.113	0.101	(0.102)	0.012
62	5.17	0.20	0.113	0.100	(0.102)	0.013
63	5.25	0.20	0.113	0.100	(0.102)	0.013
64	5.33	0.23	0.132	0.100	(0.119)	0.032
65	5.42	0.23	0.132	0.099	(0.119)	0.033
66	5.50	0.23	0.132	0.099	(0.119)	0.033
67	5.58	0.27	0.151	0.098	(0.136)	0.052
68	5.67	0.27	0.151	0.098	(0.136)	0.053
69	5.75	0.27	0.151	0.097	(0.136)	0.053
70	5.83	0.27	0.151	0.097	(0.136)	0.054
71	5.92	0.27	0.151	0.097	(0.136)	0.054
72	6.00	0.27	0.151	0.096	(0.136)	0.055
73	6.08	0.30	0.170	0.096	(0.153)	0.074
74	6.17	0.30	0.170	0.095	(0.153)	0.074
75	6.25	0.30	0.170	0.095	(0.153)	0.075
76	6.33	0.30	0.170	0.094	(0.153)	0.075
77	6.42	0.30	0.170	0.094	(0.153)	0.076
78	6.50	0.30	0.170	0.094	(0.153)	0.076
79	6.58	0.33	0.188	0.093	(0.170)	0.095
80	6.67	0.33	0.188	0.093	(0.170)	0.096
81	6.75	0.33	0.188	0.092	(0.170)	0.096
82	6.83	0.33	0.188	0.092	(0.170)	0.097
83	6.92	0.33	0.188	0.091	(0.170)	0.097
84	7.00	0.33	0.188	0.091	(0.170)	0.097
85	7.08	0.33	0.188	0.091	(0.170)	0.098
86	7.17	0.33	0.188	0.090	(0.170)	0.098
87	7.25	0.33	0.188	0.090	(0.170)	0.099
88	7.33	0.37	0.207	0.089	(0.187)	0.118
89	7.42	0.37	0.207	0.089	(0.187)	0.118
90	7.50	0.37	0.207	0.089	(0.187)	0.119
91	7.58	0.40	0.226	0.088	(0.203)	0.138
92	7.67	0.40	0.226	0.088	(0.203)	0.138

93	7.75	0.40	0.226	0.087	(0.203)	0.139
94	7.83	0.43	0.245	0.087	(0.220)	0.158
95	7.92	0.43	0.245	0.087	(0.220)	0.158
96	8.00	0.43	0.245	0.086	(0.220)	0.159
97	8.08	0.50	0.283	0.086	(0.254)	0.197
98	8.17	0.50	0.283	0.085	(0.254)	0.197
99	8.25	0.50	0.283	0.085	(0.254)	0.198
100	8.33	0.50	0.283	0.085	(0.254)	0.198
101	8.42	0.50	0.283	0.084	(0.254)	0.198
102	8.50	0.50	0.283	0.084	(0.254)	0.199
103	8.58	0.53	0.301	0.083	(0.271)	0.218
104	8.67	0.53	0.301	0.083	(0.271)	0.218
105	8.75	0.53	0.301	0.083	(0.271)	0.219
106	8.83	0.57	0.320	0.082	(0.288)	0.238
107	8.92	0.57	0.320	0.082	(0.288)	0.238
108	9.00	0.57	0.320	0.081	(0.288)	0.239
109	9.08	0.63	0.358	0.081	(0.322)	0.277
110	9.17	0.63	0.358	0.081	(0.322)	0.277
111	9.25	0.63	0.358	0.080	(0.322)	0.278
112	9.33	0.67	0.377	0.080	(0.339)	0.297
113	9.42	0.67	0.377	0.080	(0.339)	0.297
114	9.50	0.67	0.377	0.079	(0.339)	0.298
115	9.58	0.70	0.396	0.079	(0.356)	0.317
116	9.67	0.70	0.396	0.078	(0.356)	0.317
117	9.75	0.70	0.396	0.078	(0.356)	0.318
118	9.83	0.73	0.414	0.078	(0.373)	0.337
119	9.92	0.73	0.414	0.077	(0.373)	0.337
120	10.00	0.73	0.414	0.077	(0.373)	0.338
121	10.08	0.50	0.283	0.077	(0.254)	0.206
122	10.17	0.50	0.283	0.076	(0.254)	0.206
123	10.25	0.50	0.283	0.076	(0.254)	0.207
124	10.33	0.50	0.283	0.075	(0.254)	0.207
125	10.42	0.50	0.283	0.075	(0.254)	0.208
126	10.50	0.50	0.283	0.075	(0.254)	0.208
127	10.58	0.67	0.377	0.074	(0.339)	0.302
128	10.67	0.67	0.377	0.074	(0.339)	0.303
129	10.75	0.67	0.377	0.074	(0.339)	0.303
130	10.83	0.67	0.377	0.073	(0.339)	0.304
131	10.92	0.67	0.377	0.073	(0.339)	0.304
132	11.00	0.67	0.377	0.072	(0.339)	0.304
133	11.08	0.63	0.358	0.072	(0.322)	0.286
134	11.17	0.63	0.358	0.072	(0.322)	0.286
135	11.25	0.63	0.358	0.071	(0.322)	0.287
136	11.33	0.63	0.358	0.071	(0.322)	0.287
137	11.42	0.63	0.358	0.071	(0.322)	0.287
138	11.50	0.63	0.358	0.070	(0.322)	0.288
139	11.58	0.57	0.320	0.070	(0.288)	0.250
140	11.67	0.57	0.320	0.070	(0.288)	0.251
141	11.75	0.57	0.320	0.069	(0.288)	0.251
142	11.83	0.60	0.339	0.069	(0.305)	0.270

143	11.92	0.60	0.339	0.069	(0.305)	0.270
144	12.00	0.60	0.339	0.068	(0.305)	0.271
145	12.08	0.83	0.471	0.068	(0.424)	0.403
146	12.17	0.83	0.471	0.068	(0.424)	0.403
147	12.25	0.83	0.471	0.067	(0.424)	0.404
148	12.33	0.87	0.490	0.067	(0.441)	0.423
149	12.42	0.87	0.490	0.067	(0.441)	0.423
150	12.50	0.87	0.490	0.066	(0.441)	0.424
151	12.58	0.93	0.528	0.066	(0.475)	0.462
152	12.67	0.93	0.528	0.066	(0.475)	0.462
153	12.75	0.93	0.528	0.065	(0.475)	0.462
154	12.83	0.97	0.546	0.065	(0.492)	0.481
155	12.92	0.97	0.546	0.065	(0.492)	0.482
156	13.00	0.97	0.546	0.064	(0.492)	0.482
157	13.08	1.13	0.641	0.064	(0.577)	0.577
158	13.17	1.13	0.641	0.064	(0.577)	0.577
159	13.25	1.13	0.641	0.063	(0.577)	0.577
160	13.33	1.13	0.641	0.063	(0.577)	0.578
161	13.42	1.13	0.641	0.063	(0.577)	0.578
162	13.50	1.13	0.641	0.062	(0.577)	0.578
163	13.58	0.77	0.433	0.062	(0.390)	0.371
164	13.67	0.77	0.433	0.062	(0.390)	0.372
165	13.75	0.77	0.433	0.061	(0.390)	0.372
166	13.83	0.77	0.433	0.061	(0.390)	0.372
167	13.92	0.77	0.433	0.061	(0.390)	0.373
168	14.00	0.77	0.433	0.060	(0.390)	0.373
169	14.08	0.90	0.509	0.060	(0.458)	0.449
170	14.17	0.90	0.509	0.060	(0.458)	0.449
171	14.25	0.90	0.509	0.060	(0.458)	0.449
172	14.33	0.87	0.490	0.059	(0.441)	0.431
173	14.42	0.87	0.490	0.059	(0.441)	0.431
174	14.50	0.87	0.490	0.059	(0.441)	0.431
175	14.58	0.87	0.490	0.058	(0.441)	0.431
176	14.67	0.87	0.490	0.058	(0.441)	0.432
177	14.75	0.87	0.490	0.058	(0.441)	0.432
178	14.83	0.83	0.471	0.057	(0.424)	0.414
179	14.92	0.83	0.471	0.057	(0.424)	0.414
180	15.00	0.83	0.471	0.057	(0.424)	0.414
181	15.08	0.80	0.452	0.057	(0.407)	0.396
182	15.17	0.80	0.452	0.056	(0.407)	0.396
183	15.25	0.80	0.452	0.056	(0.407)	0.396
184	15.33	0.77	0.433	0.056	(0.390)	0.378
185	15.42	0.77	0.433	0.055	(0.390)	0.378
186	15.50	0.77	0.433	0.055	(0.390)	0.378
187	15.58	0.63	0.358	0.055	(0.322)	0.303
188	15.67	0.63	0.358	0.055	(0.322)	0.303
189	15.75	0.63	0.358	0.054	(0.322)	0.304
190	15.83	0.63	0.358	0.054	(0.322)	0.304
191	15.92	0.63	0.358	0.054	(0.322)	0.304
192	16.00	0.63	0.358	0.053	(0.322)	0.304

193	16.08	0.13	0.075	0.053	(0.068)	0.022
194	16.17	0.13	0.075	0.053	(0.068)	0.022
195	16.25	0.13	0.075	0.053	(0.068)	0.023
196	16.33	0.13	0.075	0.052	(0.068)	0.023
197	16.42	0.13	0.075	0.052	(0.068)	0.023
198	16.50	0.13	0.075	0.052	(0.068)	0.024
199	16.58	0.10	0.057	(0.052)	0.051	0.006
200	16.67	0.10	0.057	(0.051)	0.051	0.006
201	16.75	0.10	0.057	(0.051)	0.051	0.006
202	16.83	0.10	0.057	0.051	(0.051)	0.006
203	16.92	0.10	0.057	0.051	(0.051)	0.006
204	17.00	0.10	0.057	0.050	(0.051)	0.006
205	17.08	0.17	0.094	0.050	(0.085)	0.044
206	17.17	0.17	0.094	0.050	(0.085)	0.044
207	17.25	0.17	0.094	0.050	(0.085)	0.045
208	17.33	0.17	0.094	0.049	(0.085)	0.045
209	17.42	0.17	0.094	0.049	(0.085)	0.045
210	17.50	0.17	0.094	0.049	(0.085)	0.045
211	17.58	0.17	0.094	0.049	(0.085)	0.046
212	17.67	0.17	0.094	0.048	(0.085)	0.046
213	17.75	0.17	0.094	0.048	(0.085)	0.046
214	17.83	0.13	0.075	0.048	(0.068)	0.028
215	17.92	0.13	0.075	0.048	(0.068)	0.028
216	18.00	0.13	0.075	0.047	(0.068)	0.028
217	18.08	0.13	0.075	0.047	(0.068)	0.028
218	18.17	0.13	0.075	0.047	(0.068)	0.028
219	18.25	0.13	0.075	0.047	(0.068)	0.029
220	18.33	0.13	0.075	0.046	(0.068)	0.029
221	18.42	0.13	0.075	0.046	(0.068)	0.029
222	18.50	0.13	0.075	0.046	(0.068)	0.029
223	18.58	0.10	0.057	0.046	(0.051)	0.011
224	18.67	0.10	0.057	0.046	(0.051)	0.011
225	18.75	0.10	0.057	0.045	(0.051)	0.011
226	18.83	0.07	0.038	(0.045)	0.034	0.004
227	18.92	0.07	0.038	(0.045)	0.034	0.004
228	19.00	0.07	0.038	(0.045)	0.034	0.004
229	19.08	0.10	0.057	0.044	(0.051)	0.012
230	19.17	0.10	0.057	0.044	(0.051)	0.012
231	19.25	0.10	0.057	0.044	(0.051)	0.012
232	19.33	0.13	0.075	0.044	(0.068)	0.032
233	19.42	0.13	0.075	0.044	(0.068)	0.032
234	19.50	0.13	0.075	0.043	(0.068)	0.032
235	19.58	0.10	0.057	0.043	(0.051)	0.013
236	19.67	0.10	0.057	0.043	(0.051)	0.013
237	19.75	0.10	0.057	0.043	(0.051)	0.014
238	19.83	0.07	0.038	(0.043)	0.034	0.004
239	19.92	0.07	0.038	(0.042)	0.034	0.004
240	20.00	0.07	0.038	(0.042)	0.034	0.004
241	20.08	0.10	0.057	0.042	(0.051)	0.014
242	20.17	0.10	0.057	0.042	(0.051)	0.015

243	20.25	0.10	0.057	0.042	(0.051)	0.015
244	20.33	0.10	0.057	0.042	(0.051)	0.015
245	20.42	0.10	0.057	0.041	(0.051)	0.015
246	20.50	0.10	0.057	0.041	(0.051)	0.015
247	20.58	0.10	0.057	0.041	(0.051)	0.016
248	20.67	0.10	0.057	0.041	(0.051)	0.016
249	20.75	0.10	0.057	0.041	(0.051)	0.016
250	20.83	0.07	0.038	(0.041)	0.034	0.004
251	20.92	0.07	0.038	(0.040)	0.034	0.004
252	21.00	0.07	0.038	(0.040)	0.034	0.004
253	21.08	0.10	0.057	0.040	(0.051)	0.016
254	21.17	0.10	0.057	0.040	(0.051)	0.017
255	21.25	0.10	0.057	0.040	(0.051)	0.017
256	21.33	0.07	0.038	(0.040)	0.034	0.004
257	21.42	0.07	0.038	(0.039)	0.034	0.004
258	21.50	0.07	0.038	(0.039)	0.034	0.004
259	21.58	0.10	0.057	0.039	(0.051)	0.017
260	21.67	0.10	0.057	0.039	(0.051)	0.018
261	21.75	0.10	0.057	0.039	(0.051)	0.018
262	21.83	0.07	0.038	(0.039)	0.034	0.004
263	21.92	0.07	0.038	(0.039)	0.034	0.004
264	22.00	0.07	0.038	(0.038)	0.034	0.004
265	22.08	0.10	0.057	0.038	(0.051)	0.018
266	22.17	0.10	0.057	0.038	(0.051)	0.018
267	22.25	0.10	0.057	0.038	(0.051)	0.018
268	22.33	0.07	0.038	(0.038)	0.034	0.004
269	22.42	0.07	0.038	(0.038)	0.034	0.004
270	22.50	0.07	0.038	(0.038)	0.034	0.004
271	22.58	0.07	0.038	(0.038)	0.034	0.004
272	22.67	0.07	0.038	(0.038)	0.034	0.004
273	22.75	0.07	0.038	(0.037)	0.034	0.004
274	22.83	0.07	0.038	(0.037)	0.034	0.004
275	22.92	0.07	0.038	(0.037)	0.034	0.004
276	23.00	0.07	0.038	(0.037)	0.034	0.004
277	23.08	0.07	0.038	(0.037)	0.034	0.004
278	23.17	0.07	0.038	(0.037)	0.034	0.004
279	23.25	0.07	0.038	(0.037)	0.034	0.004
280	23.33	0.07	0.038	(0.037)	0.034	0.004
281	23.42	0.07	0.038	(0.037)	0.034	0.004
282	23.50	0.07	0.038	(0.037)	0.034	0.004
283	23.58	0.07	0.038	(0.037)	0.034	0.004
284	23.67	0.07	0.038	(0.037)	0.034	0.004
285	23.75	0.07	0.038	(0.036)	0.034	0.004
286	23.83	0.07	0.038	(0.036)	0.034	0.004
287	23.92	0.07	0.038	(0.036)	0.034	0.004
288	24.00	0.07	0.038	(0.036)	0.034	0.004

(Loss Rate Not Used)

Sum = 100.0

Sum = 38.1

Flood volume = Effective rainfall 3.18(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)

Total soil loss = 1.53(In)
 Total soil loss = 0.391(Ac.Ft)
 Total rainfall = 4.71(In)
 Flood volume = 35289.5 Cubic Feet
 Total soil loss = 17027.9 Cubic Feet

 Peak flow rate of this hydrograph = 1.781(CFS)

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 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000		0.00	Q				
0+10	0.0001		0.01	Q				
0+15	0.0002		0.01	Q				
0+20	0.0002		0.01	Q				
0+25	0.0004		0.02	Q				
0+30	0.0005		0.02	Q				
0+35	0.0006		0.02	Q				
0+40	0.0007		0.02	Q				
0+45	0.0008		0.02	Q				
0+50	0.0010		0.02	Q				
0+55	0.0011		0.02	Q				
1+ 0	0.0013		0.02	Q				
1+ 5	0.0014		0.02	Q				
1+10	0.0015		0.02	Q				
1+15	0.0017		0.02	Q				
1+20	0.0018		0.02	Q				
1+25	0.0019		0.02	Q				
1+30	0.0020		0.02	Q				
1+35	0.0021		0.02	Q				
1+40	0.0023		0.02	Q				
1+45	0.0024		0.02	Q				
1+50	0.0025		0.02	Q				
1+55	0.0027		0.02	Q				
2+ 0	0.0028		0.02	Q				
2+ 5	0.0030		0.02	Q				
2+10	0.0031		0.02	Q				
2+15	0.0033		0.02	Q				
2+20	0.0035		0.02	Q				
2+25	0.0036		0.02	Q				
2+30	0.0038		0.02	Q				
2+35	0.0040		0.02	Q				
2+40	0.0041		0.03	Q				
2+45	0.0043		0.03	Q				

2+50	0.0045	0.03	Q
2+55	0.0047	0.03	Q
3+ 0	0.0049	0.03	Q
3+ 5	0.0051	0.03	Q
3+10	0.0053	0.03	Q
3+15	0.0055	0.03	Q
3+20	0.0057	0.03	Q
3+25	0.0059	0.03	Q
3+30	0.0061	0.03	Q
3+35	0.0063	0.03	Q
3+40	0.0065	0.03	Q
3+45	0.0067	0.03	Q
3+50	0.0069	0.03	Q
3+55	0.0072	0.03	Q
4+ 0	0.0074	0.03	Q
4+ 5	0.0077	0.03	Q
4+10	0.0079	0.03	Q
4+15	0.0081	0.03	Q
4+20	0.0085	0.05	Q
4+25	0.0090	0.07	Q
4+30	0.0095	0.08	Q
4+35	0.0101	0.08	Q
4+40	0.0107	0.09	Q
4+45	0.0113	0.09	Q
4+50	0.0120	0.11	Q
4+55	0.0130	0.14	Q
5+ 0	0.0140	0.14	Q
5+ 5	0.0148	0.12	Q
5+10	0.0152	0.06	Q
5+15	0.0155	0.05	Q
5+20	0.0160	0.06	Q
5+25	0.0166	0.09	Q
5+30	0.0172	0.10	Q
5+35	0.0180	0.12	Q
5+40	0.0191	0.15	Q
5+45	0.0201	0.16	Q
5+50	0.0212	0.16	QV
5+55	0.0224	0.16	QV
6+ 0	0.0235	0.17	QV
6+ 5	0.0248	0.19	QV
6+10	0.0263	0.21	QV
6+15	0.0278	0.22	QV
6+20	0.0294	0.23	QV
6+25	0.0310	0.23	QV
6+30	0.0326	0.23	QV
6+35	0.0343	0.25	Q
6+40	0.0362	0.28	Q
6+45	0.0382	0.29	Q
6+50	0.0402	0.29	Q
6+55	0.0423	0.30	QV

7+ 0	0.0443	0.30	QV				
7+ 5	0.0464	0.30	QV				
7+10	0.0485	0.30	QV				
7+15	0.0506	0.30	QV				
7+20	0.0528	0.32	QV				
7+25	0.0552	0.35	QV				
7+30	0.0576	0.36	QV				
7+35	0.0603	0.38	QV				
7+40	0.0631	0.41	Q V				
7+45	0.0660	0.42	Q V				
7+50	0.0690	0.44	Q V				
7+55	0.0723	0.47	Q V				
8+ 0	0.0756	0.48	Q V				
8+ 5	0.0792	0.52	QV				
8+10	0.0832	0.58	Q V				
8+15	0.0873	0.60	Q V				
8+20	0.0914	0.60	Q V				
8+25	0.0956	0.61	Q V				
8+30	0.0998	0.61	Q V				
8+35	0.1041	0.63	Q V				
8+40	0.1087	0.66	Q V				
8+45	0.1133	0.67	Q V				
8+50	0.1180	0.69	Q V				
8+55	0.1230	0.72	Q V				
9+ 0	0.1280	0.73	Q V				
9+ 5	0.1333	0.77	Q V				
9+10	0.1390	0.83	Q V				
9+15	0.1448	0.84	Q V				
9+20	0.1507	0.87	Q V				
9+25	0.1569	0.90	Q V				
9+30	0.1632	0.91	Q V				
9+35	0.1696	0.93	Q V				
9+40	0.1763	0.96	Q V				
9+45	0.1829	0.97	Q V				
9+50	0.1898	0.99	Q V				
9+55	0.1968	1.02	Q V				
10+ 0	0.2040	1.03	Q V				
10+ 5	0.2103	0.92	Q V				
10+10	0.2153	0.73	Q V				
10+15	0.2200	0.68	Q V				
10+20	0.2246	0.66	Q V				
10+25	0.2290	0.65	Q V				
10+30	0.2335	0.64	Q V				
10+35	0.2385	0.72	Q V				
10+40	0.2444	0.87	Q V				
10+45	0.2506	0.90	Q V				
10+50	0.2570	0.92	Q V				
10+55	0.2634	0.93	Q V				
11+ 0	0.2698	0.94	Q V				
11+ 5	0.2762	0.92	Q V				

11+10	0.2823	0.90	Q	V			
11+15	0.2885	0.89	Q	V			
11+20	0.2946	0.89	Q	V			
11+25	0.3007	0.89	Q	V			
11+30	0.3068	0.89	Q	V			
11+35	0.3127	0.85	Q	V			
11+40	0.3182	0.80	Q	V			
11+45	0.3236	0.79	Q	V			
11+50	0.3291	0.80	Q	V			
11+55	0.3347	0.82	Q	V			
12+ 0	0.3404	0.83	Q	V			
12+ 5	0.3470	0.95	Q	V			
12+10	0.3549	1.15	Q	V			
12+15	0.3631	1.20	Q	V			
12+20	0.3717	1.24	Q	V			
12+25	0.3805	1.28	Q	V			
12+30	0.3894	1.30	Q	V			
12+35	0.3986	1.34	Q	V			
12+40	0.4083	1.40	Q	V			
12+45	0.4180	1.41	Q	V			
12+50	0.4279	1.44	Q	V			
12+55	0.4380	1.47	Q	V			
13+ 0	0.4482	1.48	Q	V			
13+ 5	0.4590	1.57	Q	V			
13+10	0.4707	1.71	Q	V			
13+15	0.4828	1.75	Q	V			
13+20	0.4949	1.77	Q	V			
13+25	0.5072	1.78	Q	V			
13+30	0.5194	1.78	Q	V			
13+35	0.5305	1.60	Q	V			
13+40	0.5394	1.29	Q	V			
13+45	0.5477	1.22	Q	V			
13+50	0.5559	1.18	Q	V			
13+55	0.5639	1.16	Q	V			
14+ 0	0.5718	1.15	Q	V			
14+ 5	0.5802	1.22	Q	V			
14+10	0.5894	1.33	Q	V			
14+15	0.5987	1.36	Q	V			
14+20	0.6081	1.36	Q	V			
14+25	0.6173	1.34	Q	V			
14+30	0.6265	1.33	Q	V			
14+35	0.6357	1.33	Q	V			
14+40	0.6448	1.33	Q	V			
14+45	0.6540	1.33	Q	V			
14+50	0.6631	1.32	Q	V			
14+55	0.6720	1.29	Q	V			
15+ 0	0.6808	1.28	Q	V			
15+ 5	0.6895	1.26	Q	V			
15+10	0.6980	1.24	Q	V			
15+15	0.7065	1.23	Q	V			

15+20	0.7148	1.21	Q				V
15+25	0.7229	1.18	Q				V
15+30	0.7310	1.17	Q				V
15+35	0.7386	1.10	Q				V
15+40	0.7454	0.99	Q				V
15+45	0.7520	0.96	Q				V
15+50	0.7586	0.95	Q				V
15+55	0.7651	0.94	Q				V
16+ 0	0.7715	0.94	Q				V
16+ 5	0.7763	0.69	Q				V
16+10	0.7782	0.27	Q				V
16+15	0.7793	0.16	Q				V
16+20	0.7801	0.12	Q				V
16+25	0.7807	0.09	Q				V
16+30	0.7813	0.08	Q				V
16+35	0.7816	0.06	Q				V
16+40	0.7819	0.03	Q				V
16+45	0.7820	0.02	Q				V
16+50	0.7822	0.02	Q				V
16+55	0.7823	0.02	Q				V
17+ 0	0.7824	0.02	Q				V
17+ 5	0.7828	0.05	Q				V
17+10	0.7835	0.11	Q				V
17+15	0.7844	0.12	Q				V
17+20	0.7853	0.13	Q				V
17+25	0.7862	0.14	Q				V
17+30	0.7872	0.14	Q				V
17+35	0.7881	0.14	Q				V
17+40	0.7891	0.14	Q				V
17+45	0.7901	0.14	Q				V
17+50	0.7910	0.13	Q				V
17+55	0.7916	0.10	Q				V
18+ 0	0.7923	0.09	Q				V
18+ 5	0.7929	0.09	Q				V
18+10	0.7935	0.09	Q				V
18+15	0.7941	0.09	Q				V
18+20	0.7947	0.09	Q				V
18+25	0.7953	0.09	Q				V
18+30	0.7959	0.09	Q				V
18+35	0.7964	0.07	Q				V
18+40	0.7968	0.05	Q				V
18+45	0.7970	0.04	Q				V
18+50	0.7973	0.03	Q				V
18+55	0.7974	0.02	Q				V
19+ 0	0.7975	0.01	Q				V
19+ 5	0.7976	0.02	Q				V
19+10	0.7978	0.03	Q				V
19+15	0.7981	0.04	Q				V
19+20	0.7985	0.05	Q				V
19+25	0.7990	0.08	Q				V

19+30	0.7997	0.09	Q				V
19+35	0.8002	0.08	Q				V
19+40	0.8006	0.05	Q				V
19+45	0.8009	0.05	Q				V
19+50	0.8011	0.04	Q				V
19+55	0.8013	0.02	Q				V
20+ 0	0.8014	0.02	Q				V
20+ 5	0.8015	0.02	Q				V
20+10	0.8018	0.04	Q				V
20+15	0.8021	0.04	Q				V
20+20	0.8024	0.04	Q				V
20+25	0.8027	0.05	Q				V
20+30	0.8030	0.05	Q				V
20+35	0.8033	0.05	Q				V
20+40	0.8037	0.05	Q				V
20+45	0.8040	0.05	Q				V
20+50	0.8043	0.04	Q				V
20+55	0.8044	0.02	Q				V
21+ 0	0.8045	0.02	Q				V
21+ 5	0.8047	0.02	Q				V
21+10	0.8050	0.04	Q				V
21+15	0.8053	0.05	Q				V
21+20	0.8056	0.04	Q				V
21+25	0.8057	0.02	Q				V
21+30	0.8058	0.02	Q				V
21+35	0.8060	0.03	Q				V
21+40	0.8063	0.05	Q				V
21+45	0.8066	0.05	Q				V
21+50	0.8069	0.04	Q				V
21+55	0.8071	0.02	Q				V
22+ 0	0.8072	0.02	Q				V
22+ 5	0.8074	0.03	Q				V
22+10	0.8077	0.05	Q				V
22+15	0.8080	0.05	Q				V
22+20	0.8083	0.04	Q				V
22+25	0.8085	0.02	Q				V
22+30	0.8086	0.02	Q				V
22+35	0.8087	0.01	Q				V
22+40	0.8088	0.01	Q				V
22+45	0.8088	0.01	Q				V
22+50	0.8089	0.01	Q				V
22+55	0.8090	0.01	Q				V
23+ 0	0.8091	0.01	Q				V
23+ 5	0.8092	0.01	Q				V
23+10	0.8092	0.01	Q				V
23+15	0.8093	0.01	Q				V
23+20	0.8094	0.01	Q				V
23+25	0.8095	0.01	Q				V
23+30	0.8096	0.01	Q				V
23+35	0.8096	0.01	Q				V

23+40	0.8097	0.01	Q				V
23+45	0.8098	0.01	Q				V
23+50	0.8099	0.01	Q				V
23+55	0.8100	0.01	Q				V
24+ 0	0.8100	0.01	Q				V
24+ 5	0.8101	0.01	Q				V
24+10	0.8101	0.00	Q				V
24+15	0.8101	0.00	Q				V
24+20	0.8101	0.00	Q				V
24+25	0.8101	0.00	Q				V
24+30	0.8101	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda36100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	132.277	28.640	0.883
2	0.167	264.555	48.170	1.486
3	0.250	396.832	12.335	0.380
4	0.333	529.109	5.496	0.170
5	0.417	661.387	3.007	0.093
6	0.500	793.664	1.626	0.050
7	0.583	925.941	0.725	0.022

Sum = 100.000	Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	0.073	(0.143)	0.086
2	0.17	0.60	0.191	0.073	(0.172)	0.118
3	0.25	0.60	0.191	0.073	(0.172)	0.118
4	0.33	0.60	0.191	0.073	(0.172)	0.118
5	0.42	0.60	0.191	0.073	(0.172)	0.118
6	0.50	0.70	0.223	0.073	(0.200)	0.150
7	0.58	0.70	0.223	0.073	(0.200)	0.150
8	0.67	0.70	0.223	0.073	(0.200)	0.150
9	0.75	0.70	0.223	0.073	(0.200)	0.150
10	0.83	0.70	0.223	0.073	(0.200)	0.150
11	0.92	0.70	0.223	0.073	(0.200)	0.150
12	1.00	0.80	0.254	0.073	(0.229)	0.182
13	1.08	0.80	0.254	0.073	(0.229)	0.182
14	1.17	0.80	0.254	0.073	(0.229)	0.182
15	1.25	0.80	0.254	0.073	(0.229)	0.182
16	1.33	0.80	0.254	0.073	(0.229)	0.182
17	1.42	0.80	0.254	0.073	(0.229)	0.182
18	1.50	0.80	0.254	0.073	(0.229)	0.182
19	1.58	0.80	0.254	0.073	(0.229)	0.182
20	1.67	0.80	0.254	0.073	(0.229)	0.182
21	1.75	0.80	0.254	0.073	(0.229)	0.182
22	1.83	0.80	0.254	0.073	(0.229)	0.182
23	1.92	0.80	0.254	0.073	(0.229)	0.182
24	2.00	0.90	0.286	0.073	(0.258)	0.213
25	2.08	0.80	0.254	0.073	(0.229)	0.182
26	2.17	0.90	0.286	0.073	(0.258)	0.213
27	2.25	0.90	0.286	0.073	(0.258)	0.213
28	2.33	0.90	0.286	0.073	(0.258)	0.213
29	2.42	0.90	0.286	0.073	(0.258)	0.213
30	2.50	0.90	0.286	0.073	(0.258)	0.213
31	2.58	0.90	0.286	0.073	(0.258)	0.213
32	2.67	0.90	0.286	0.073	(0.258)	0.213
33	2.75	1.00	0.318	0.073	(0.286)	0.245
34	2.83	1.00	0.318	0.073	(0.286)	0.245
35	2.92	1.00	0.318	0.073	(0.286)	0.245
36	3.00	1.00	0.318	0.073	(0.286)	0.245
37	3.08	1.00	0.318	0.073	(0.286)	0.245
38	3.17	1.10	0.350	0.073	(0.315)	0.277
39	3.25	1.10	0.350	0.073	(0.315)	0.277
40	3.33	1.10	0.350	0.073	(0.315)	0.277
41	3.42	1.20	0.382	0.073	(0.343)	0.309
42	3.50	1.30	0.413	0.073	(0.372)	0.341

43	3.58	1.40	0.445	0.073	(0.401)	0.372
44	3.67	1.40	0.445	0.073	(0.401)	0.372
45	3.75	1.50	0.477	0.073	(0.429)	0.404
46	3.83	1.50	0.477	0.073	(0.429)	0.404
47	3.92	1.60	0.509	0.073	(0.458)	0.436
48	4.00	1.60	0.509	0.073	(0.458)	0.436
49	4.08	1.70	0.541	0.073	(0.487)	0.468
50	4.17	1.80	0.572	0.073	(0.515)	0.500
51	4.25	1.90	0.604	0.073	(0.544)	0.531
52	4.33	2.00	0.636	0.073	(0.572)	0.563
53	4.42	2.10	0.668	0.073	(0.601)	0.595
54	4.50	2.10	0.668	0.073	(0.601)	0.595
55	4.58	2.20	0.700	0.073	(0.630)	0.627
56	4.67	2.30	0.731	0.073	(0.658)	0.659
57	4.75	2.40	0.763	0.073	(0.687)	0.690
58	4.83	2.40	0.763	0.073	(0.687)	0.690
59	4.92	2.50	0.795	0.073	(0.715)	0.722
60	5.00	2.60	0.827	0.073	(0.744)	0.754
61	5.08	3.10	0.986	0.073	(0.887)	0.913
62	5.17	3.60	1.145	0.073	(1.030)	1.072
63	5.25	3.90	1.240	0.073	(1.116)	1.167
64	5.33	4.20	1.336	0.073	(1.202)	1.263
65	5.42	4.70	1.495	0.073	(1.345)	1.422
66	5.50	5.60	1.781	0.073	(1.603)	1.708
67	5.58	1.90	0.604	0.073	(0.544)	0.531
68	5.67	0.90	0.286	0.073	(0.258)	0.213
69	5.75	0.60	0.191	0.073	(0.172)	0.118
70	5.83	0.50	0.159	0.073	(0.143)	0.086
71	5.92	0.30	0.095	0.073	(0.086)	0.023
72	6.00	0.20	0.064	(0.073)	0.057	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 26.6

Flood volume = Effective rainfall 2.21(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.44(In)
Total soil loss = 0.111(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 24597.9 Cubic Feet
Total soil loss = 4837.5 Cubic Feet

Peak flow rate of this hydrograph = 4.463(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0005	0.08	Q				
0+10	0.0021	0.23	Q				
0+15	0.0043	0.31	VQ				
0+20	0.0066	0.34	VQ				
0+25	0.0090	0.35	VQ				
0+30	0.0117	0.39	VQ				
0+35	0.0147	0.44	Q				
0+40	0.0178	0.45	Q				
0+45	0.0210	0.46	Q				
0+50	0.0242	0.46	Q				
0+55	0.0273	0.46	Q				
1+ 0	0.0307	0.49	QV				
1+ 5	0.0344	0.54	Q				
1+10	0.0382	0.55	Q				
1+15	0.0420	0.56	Q				
1+20	0.0459	0.56	QV				
1+25	0.0497	0.56	QV				
1+30	0.0536	0.56	QV				
1+35	0.0574	0.56	Q V				
1+40	0.0613	0.56	Q V				
1+45	0.0652	0.56	Q V				
1+50	0.0690	0.56	Q V				
1+55	0.0729	0.56	Q V				
2+ 0	0.0769	0.59	Q V				
2+ 5	0.0811	0.61	Q V				
2+10	0.0852	0.60	Q V				
2+15	0.0897	0.64	Q V				
2+20	0.0941	0.65	Q V				
2+25	0.0987	0.65	Q V				
2+30	0.1032	0.66	Q V				
2+35	0.1077	0.66	Q V				
2+40	0.1122	0.66	Q V				
2+45	0.1170	0.69	Q V				
2+50	0.1220	0.73	Q V				
2+55	0.1272	0.75	Q V				
3+ 0	0.1323	0.75	Q V				
3+ 5	0.1375	0.75	Q V				
3+10	0.1429	0.78	Q V				
3+15	0.1487	0.83	Q V				
3+20	0.1545	0.84	Q V				
3+25	0.1605	0.88	Q V				
3+30	0.1671	0.96	Q V				
3+35	0.1743	1.04	Q V				
3+40	0.1819	1.11	Q V				
3+45	0.1899	1.16	Q V				
3+50	0.1983	1.22	Q V				
3+55	0.2070	1.26	Q V				
4+ 0	0.2161	1.32	Q V				
4+ 5	0.2254	1.36	Q V				

4+10	0.2354	1.44	Q		V			
4+15	0.2459	1.53	Q		V			
4+20	0.2571	1.63	Q		V			
4+25	0.2690	1.72	Q		V			
4+30	0.2814	1.79	Q		V			
4+35	0.2941	1.85	Q		V			
4+40	0.3074	1.93	Q		V			
4+45	0.3213	2.02	Q		V			
4+50	0.3357	2.09	Q		V			
4+55	0.3505	2.14	Q		V			
5+ 0	0.3658	2.23	Q		V			
5+ 5	0.3825	2.43	Q		V			
5+10	0.4020	2.83		Q				
5+15	0.4242	3.22		Q				
5+20	0.4485	3.54			Q			
5+25	0.4753	3.90			Q			
5+30	0.5061	4.46			Q			
5+35	0.5333	3.95			Q			
5+40	0.5475	2.07		Q				
5+45	0.5553	1.13		Q				
5+50	0.5600	0.68	Q					V
5+55	0.5627	0.40	Q					V
6+ 0	0.5640	0.18	Q					V
6+ 5	0.5644	0.07	Q					V
6+10	0.5646	0.02	Q					V
6+15	0.5647	0.01	Q					V
6+20	0.5647	0.00	Q					V
6+25	0.5647	0.00	Q					V
6+30	0.5647	0.00	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda33100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	132.277	28.640	0.883
2	0.167	264.555	48.170	1.486
3	0.250	396.832	12.335	0.380
4	0.333	529.109	5.496	0.170
5	0.417	661.387	3.007	0.093
6	0.500	793.664	1.626	0.050
7	0.583	925.941	0.725	0.022

Sum = 100.000	Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.073	(0.275)	0.233
2	0.17	1.30	0.306	0.073	(0.275)	0.233
3	0.25	1.10	0.259	0.073	(0.233)	0.186
4	0.33	1.50	0.353	0.073	(0.318)	0.280
5	0.42	1.50	0.353	0.073	(0.318)	0.280
6	0.50	1.80	0.423	0.073	(0.381)	0.351
7	0.58	1.50	0.353	0.073	(0.318)	0.280
8	0.67	1.80	0.423	0.073	(0.381)	0.351
9	0.75	1.80	0.423	0.073	(0.381)	0.351
10	0.83	1.50	0.353	0.073	(0.318)	0.280
11	0.92	1.60	0.376	0.073	(0.339)	0.304
12	1.00	1.80	0.423	0.073	(0.381)	0.351
13	1.08	2.20	0.517	0.073	(0.466)	0.445
14	1.17	2.20	0.517	0.073	(0.466)	0.445
15	1.25	2.20	0.517	0.073	(0.466)	0.445
16	1.33	2.00	0.470	0.073	(0.423)	0.398
17	1.42	2.60	0.612	0.073	(0.550)	0.539
18	1.50	2.70	0.635	0.073	(0.572)	0.562
19	1.58	2.40	0.564	0.073	(0.508)	0.492
20	1.67	2.70	0.635	0.073	(0.572)	0.562
21	1.75	3.30	0.776	0.073	(0.699)	0.703
22	1.83	3.10	0.729	0.073	(0.656)	0.656
23	1.92	2.90	0.682	0.073	(0.614)	0.609
24	2.00	3.00	0.706	0.073	(0.635)	0.633
25	2.08	3.10	0.729	0.073	(0.656)	0.656
26	2.17	4.20	0.988	0.073	(0.889)	0.915
27	2.25	5.00	1.176	0.073	(1.058)	1.103
28	2.33	3.50	0.823	0.073	(0.741)	0.750
29	2.42	6.80	1.599	0.073	(1.439)	1.527
30	2.50	7.30	1.717	0.073	(1.545)	1.644
31	2.58	8.20	1.929	0.073	(1.736)	1.856
32	2.67	5.90	1.388	0.073	(1.249)	1.315
33	2.75	2.00	0.470	0.073	(0.423)	0.398
34	2.83	1.80	0.423	0.073	(0.381)	0.351
35	2.92	1.80	0.423	0.073	(0.381)	0.351
36	3.00	0.60	0.141	0.073	(0.127)	0.068

(Loss Rate Not Used)

Sum = 100.0

Sum = 20.9

Flood volume = Effective rainfall 1.74(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)

Total soil loss = 0.22(In)

Total soil loss = 0.056(Ac.Ft)

Total rainfall = 1.96(In)
 Flood volume = 19345.1 Cubic Feet
 Total soil loss = 2425.9 Cubic Feet

 Peak flow rate of this hydrograph = 4.955(CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0014	0.21	Q					
0+10	0.0052	0.55	V Q					
0+15	0.0093	0.60	V Q					
0+20	0.0138	0.65	VQ					
0+25	0.0193	0.80	V Q					
0+30	0.0255	0.90	VQ					
0+35	0.0321	0.96	VQ					
0+40	0.0386	0.95	Q					
0+45	0.0458	1.04	Q					
0+50	0.0527	1.00	Q					
0+55	0.0591	0.93	Q V					
1+ 0	0.0658	0.98	Q V					
1+ 5	0.0736	1.13	Q V					
1+10	0.0825	1.29	Q V					
1+15	0.0917	1.33	Q V					
1+20	0.1007	1.31	Q V					
1+25	0.1102	1.38	Q V					
1+30	0.1212	1.60	Q V					
1+35	0.1323	1.62	Q V					
1+40	0.1434	1.60	Q V					
1+45	0.1559	1.82	Q V					
1+50	0.1697	2.01	Q V					
1+55	0.1833	1.96	Q V					
2+ 0	0.1965	1.92	Q V					
2+ 5	0.2101	1.97	Q V					
2+10	0.2255	2.24	Q V					
2+15	0.2447	2.80	Q V					
2+20	0.2645	2.87	Q V					
2+25	0.2861	3.15	Q V					
2+30	0.3159	4.33	Q V					
2+35	0.3500	4.95	Q V					
2+40	0.3841	4.95	Q V					
2+45	0.4082	3.49	Q V					
2+50	0.4217	1.96	Q V					
2+55	0.4320	1.49	Q V					

3+ 0	0.4391	1.03		Q				V
3+ 5	0.4422	0.44		Q				V
3+10	0.4433	0.17	Q					V
3+15	0.4438	0.07	Q					V
3+20	0.4440	0.03	Q					V
3+25	0.4441	0.01	Q					V
3+30	0.4441	0.00	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda31100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
			0.883
			1.486
			0.380
			0.170
			0.093
			0.050

7	0.583	925.941	0.725	0.022
			Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.073	(0.562)	0.552
2	0.17	4.30	0.640	0.073	(0.576)	0.567
3	0.25	5.00	0.744	0.073	(0.670)	0.671
4	0.33	5.00	0.744	0.073	(0.670)	0.671
5	0.42	5.80	0.863	0.073	(0.777)	0.790
6	0.50	6.50	0.967	0.073	(0.870)	0.894
7	0.58	7.40	1.101	0.073	(0.991)	1.028
8	0.67	8.60	1.280	0.073	(1.152)	1.207
9	0.75	12.30	1.830	0.073	(1.647)	1.757
10	0.83	29.10	4.330	0.073	(3.897)	4.257
11	0.92	6.80	1.012	0.073	(0.911)	0.939
12	1.00	5.00	0.744	0.073	(0.670)	0.671

(Loss Rate Not Used)

Sum =	100.0	Sum =	14.0

Flood volume = Effective rainfall 1.17(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.07(In)
Total soil loss = 0.019(Ac.Ft)
Total rainfall = 1.24(In)
Flood volume = 12964.6 Cubic Feet
Total soil loss = 808.6 Cubic Feet

Peak flow rate of this hydrograph = 8.189(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0034	0.49	VQ				
0+10	0.0125	1.32	V Q				
0+15	0.0238	1.65	V Q				
0+20	0.0369	1.90	V Q				
0+25	0.0513	2.10	V Q				
0+30	0.0680	2.41	Q				
0+35	0.0869	2.76	Q				

0+40	0.1088	3.18				Q V					
0+45	0.1365	4.01						Q V			
0+50	0.1857	7.15								V Q	
0+55	0.2421	8.19								Q	
1+ 0	0.2702	4.09						Q			
1+ 5	0.2862	2.32				Q					
1+10	0.2926	0.92		Q							
1+15	0.2957	0.45		Q							
1+20	0.2971	0.20		Q							
1+25	0.2975	0.05		Q							
1+30	0.2976	0.02		Q							

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda32410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.311)	0.022	0.002
2	0.17	0.07	0.025	(0.310)	0.022	0.002
3	0.25	0.07	0.025	(0.309)	0.022	0.002
4	0.33	0.10	0.037	(0.308)	0.033	0.004
5	0.42	0.10	0.037	(0.306)	0.033	0.004
6	0.50	0.10	0.037	(0.305)	0.033	0.004
7	0.58	0.10	0.037	(0.304)	0.033	0.004
8	0.67	0.10	0.037	(0.303)	0.033	0.004
9	0.75	0.10	0.037	(0.302)	0.033	0.004
10	0.83	0.13	0.049	(0.301)	0.044	0.005
11	0.92	0.13	0.049	(0.299)	0.044	0.005
12	1.00	0.13	0.049	(0.298)	0.044	0.005
13	1.08	0.10	0.037	(0.297)	0.033	0.004
14	1.17	0.10	0.037	(0.296)	0.033	0.004
15	1.25	0.10	0.037	(0.295)	0.033	0.004
16	1.33	0.10	0.037	(0.293)	0.033	0.004
17	1.42	0.10	0.037	(0.292)	0.033	0.004
18	1.50	0.10	0.037	(0.291)	0.033	0.004
19	1.58	0.10	0.037	(0.290)	0.033	0.004
20	1.67	0.10	0.037	(0.289)	0.033	0.004
21	1.75	0.10	0.037	(0.288)	0.033	0.004
22	1.83	0.13	0.049	(0.287)	0.044	0.005
23	1.92	0.13	0.049	(0.285)	0.044	0.005
24	2.00	0.13	0.049	(0.284)	0.044	0.005
25	2.08	0.13	0.049	(0.283)	0.044	0.005
26	2.17	0.13	0.049	(0.282)	0.044	0.005
27	2.25	0.13	0.049	(0.281)	0.044	0.005
28	2.33	0.13	0.049	(0.280)	0.044	0.005
29	2.42	0.13	0.049	(0.278)	0.044	0.005
30	2.50	0.13	0.049	(0.277)	0.044	0.005
31	2.58	0.17	0.061	(0.276)	0.055	0.006
32	2.67	0.17	0.061	(0.275)	0.055	0.006
33	2.75	0.17	0.061	(0.274)	0.055	0.006
34	2.83	0.17	0.061	(0.273)	0.055	0.006
35	2.92	0.17	0.061	(0.272)	0.055	0.006
36	3.00	0.17	0.061	(0.271)	0.055	0.006
37	3.08	0.17	0.061	(0.269)	0.055	0.006
38	3.17	0.17	0.061	(0.268)	0.055	0.006
39	3.25	0.17	0.061	(0.267)	0.055	0.006
40	3.33	0.17	0.061	(0.266)	0.055	0.006
41	3.42	0.17	0.061	(0.265)	0.055	0.006
42	3.50	0.17	0.061	(0.264)	0.055	0.006

43	3.58	0.17	0.061	(0.263)	0.055	0.006
44	3.67	0.17	0.061	(0.262)	0.055	0.006
45	3.75	0.17	0.061	(0.261)	0.055	0.006
46	3.83	0.20	0.074	(0.259)	0.066	0.007
47	3.92	0.20	0.074	(0.258)	0.066	0.007
48	4.00	0.20	0.074	(0.257)	0.066	0.007
49	4.08	0.20	0.074	(0.256)	0.066	0.007
50	4.17	0.20	0.074	(0.255)	0.066	0.007
51	4.25	0.20	0.074	(0.254)	0.066	0.007
52	4.33	0.23	0.086	(0.253)	0.077	0.009
53	4.42	0.23	0.086	(0.252)	0.077	0.009
54	4.50	0.23	0.086	(0.251)	0.077	0.009
55	4.58	0.23	0.086	(0.250)	0.077	0.009
56	4.67	0.23	0.086	(0.249)	0.077	0.009
57	4.75	0.23	0.086	(0.248)	0.077	0.009
58	4.83	0.27	0.098	(0.246)	0.089	0.010
59	4.92	0.27	0.098	(0.245)	0.089	0.010
60	5.00	0.27	0.098	(0.244)	0.089	0.010
61	5.08	0.20	0.074	(0.243)	0.066	0.007
62	5.17	0.20	0.074	(0.242)	0.066	0.007
63	5.25	0.20	0.074	(0.241)	0.066	0.007
64	5.33	0.23	0.086	(0.240)	0.077	0.009
65	5.42	0.23	0.086	(0.239)	0.077	0.009
66	5.50	0.23	0.086	(0.238)	0.077	0.009
67	5.58	0.27	0.098	(0.237)	0.089	0.010
68	5.67	0.27	0.098	(0.236)	0.089	0.010
69	5.75	0.27	0.098	(0.235)	0.089	0.010
70	5.83	0.27	0.098	(0.234)	0.089	0.010
71	5.92	0.27	0.098	(0.233)	0.089	0.010
72	6.00	0.27	0.098	(0.232)	0.089	0.010
73	6.08	0.30	0.111	(0.231)	0.100	0.011
74	6.17	0.30	0.111	(0.230)	0.100	0.011
75	6.25	0.30	0.111	(0.229)	0.100	0.011
76	6.33	0.30	0.111	(0.228)	0.100	0.011
77	6.42	0.30	0.111	(0.227)	0.100	0.011
78	6.50	0.30	0.111	(0.226)	0.100	0.011
79	6.58	0.33	0.123	(0.225)	0.111	0.012
80	6.67	0.33	0.123	(0.224)	0.111	0.012
81	6.75	0.33	0.123	(0.223)	0.111	0.012
82	6.83	0.33	0.123	(0.222)	0.111	0.012
83	6.92	0.33	0.123	(0.221)	0.111	0.012
84	7.00	0.33	0.123	(0.220)	0.111	0.012
85	7.08	0.33	0.123	(0.219)	0.111	0.012
86	7.17	0.33	0.123	(0.218)	0.111	0.012
87	7.25	0.33	0.123	(0.217)	0.111	0.012
88	7.33	0.37	0.135	(0.216)	0.122	0.014
89	7.42	0.37	0.135	(0.215)	0.122	0.014
90	7.50	0.37	0.135	(0.214)	0.122	0.014
91	7.58	0.40	0.148	(0.213)	0.133	0.015
92	7.67	0.40	0.148	(0.212)	0.133	0.015

93	7.75	0.40	0.148	(0.211)	0.133	0.015
94	7.83	0.43	0.160	(0.210)	0.144	0.016
95	7.92	0.43	0.160	(0.209)	0.144	0.016
96	8.00	0.43	0.160	(0.208)	0.144	0.016
97	8.08	0.50	0.184	(0.207)	0.166	0.018
98	8.17	0.50	0.184	(0.206)	0.166	0.018
99	8.25	0.50	0.184	(0.205)	0.166	0.018
100	8.33	0.50	0.184	(0.204)	0.166	0.018
101	8.42	0.50	0.184	(0.203)	0.166	0.018
102	8.50	0.50	0.184	(0.202)	0.166	0.018
103	8.58	0.53	0.197	(0.201)	0.177	0.020
104	8.67	0.53	0.197	(0.200)	0.177	0.020
105	8.75	0.53	0.197	(0.199)	0.177	0.020
106	8.83	0.57	0.209	(0.198)	0.188	0.021
107	8.92	0.57	0.209	(0.197)	0.188	0.021
108	9.00	0.57	0.209	(0.196)	0.188	0.021
109	9.08	0.63	0.234	0.195 (0.210)		0.038
110	9.17	0.63	0.234	0.195 (0.210)		0.039
111	9.25	0.63	0.234	0.194 (0.210)		0.040
112	9.33	0.67	0.246	0.193 (0.221)		0.053
113	9.42	0.67	0.246	0.192 (0.221)		0.054
114	9.50	0.67	0.246	0.191 (0.221)		0.055
115	9.58	0.70	0.258	0.190 (0.232)		0.068
116	9.67	0.70	0.258	0.189 (0.232)		0.069
117	9.75	0.70	0.258	0.188 (0.232)		0.070
118	9.83	0.73	0.270	0.187 (0.243)		0.083
119	9.92	0.73	0.270	0.186 (0.243)		0.084
120	10.00	0.73	0.270	0.185 (0.243)		0.085
121	10.08	0.50	0.184	(0.185)	0.166	0.018
122	10.17	0.50	0.184	(0.184)	0.166	0.018
123	10.25	0.50	0.184	(0.183)	0.166	0.018
124	10.33	0.50	0.184	(0.182)	0.166	0.018
125	10.42	0.50	0.184	(0.181)	0.166	0.018
126	10.50	0.50	0.184	(0.180)	0.166	0.018
127	10.58	0.67	0.246	0.179 (0.221)		0.067
128	10.67	0.67	0.246	0.178 (0.221)		0.068
129	10.75	0.67	0.246	0.177 (0.221)		0.068
130	10.83	0.67	0.246	0.177 (0.221)		0.069
131	10.92	0.67	0.246	0.176 (0.221)		0.070
132	11.00	0.67	0.246	0.175 (0.221)		0.071
133	11.08	0.63	0.234	0.174 (0.210)		0.060
134	11.17	0.63	0.234	0.173 (0.210)		0.060
135	11.25	0.63	0.234	0.172 (0.210)		0.061
136	11.33	0.63	0.234	0.171 (0.210)		0.062
137	11.42	0.63	0.234	0.171 (0.210)		0.063
138	11.50	0.63	0.234	0.170 (0.210)		0.064
139	11.58	0.57	0.209	0.169 (0.188)		0.040
140	11.67	0.57	0.209	0.168 (0.188)		0.041
141	11.75	0.57	0.209	0.167 (0.188)		0.042
142	11.83	0.60	0.221	0.166 (0.199)		0.055

143	11.92	0.60	0.221	0.166	(0.199)	0.056
144	12.00	0.60	0.221	0.165	(0.199)	0.057
145	12.08	0.83	0.307	0.164	(0.277)	0.143
146	12.17	0.83	0.307	0.163	(0.277)	0.144
147	12.25	0.83	0.307	0.162	(0.277)	0.145
148	12.33	0.87	0.320	0.161	(0.288)	0.158
149	12.42	0.87	0.320	0.161	(0.288)	0.159
150	12.50	0.87	0.320	0.160	(0.288)	0.160
151	12.58	0.93	0.344	0.159	(0.310)	0.185
152	12.67	0.93	0.344	0.158	(0.310)	0.186
153	12.75	0.93	0.344	0.157	(0.310)	0.187
154	12.83	0.97	0.357	0.157	(0.321)	0.200
155	12.92	0.97	0.357	0.156	(0.321)	0.201
156	13.00	0.97	0.357	0.155	(0.321)	0.201
157	13.08	1.13	0.418	0.154	(0.376)	0.264
158	13.17	1.13	0.418	0.154	(0.376)	0.265
159	13.25	1.13	0.418	0.153	(0.376)	0.265
160	13.33	1.13	0.418	0.152	(0.376)	0.266
161	13.42	1.13	0.418	0.151	(0.376)	0.267
162	13.50	1.13	0.418	0.150	(0.376)	0.268
163	13.58	0.77	0.283	0.150	(0.255)	0.133
164	13.67	0.77	0.283	0.149	(0.255)	0.134
165	13.75	0.77	0.283	0.148	(0.255)	0.135
166	13.83	0.77	0.283	0.147	(0.255)	0.135
167	13.92	0.77	0.283	0.147	(0.255)	0.136
168	14.00	0.77	0.283	0.146	(0.255)	0.137
169	14.08	0.90	0.332	0.145	(0.299)	0.187
170	14.17	0.90	0.332	0.144	(0.299)	0.188
171	14.25	0.90	0.332	0.144	(0.299)	0.188
172	14.33	0.87	0.320	0.143	(0.288)	0.177
173	14.42	0.87	0.320	0.142	(0.288)	0.177
174	14.50	0.87	0.320	0.141	(0.288)	0.178
175	14.58	0.87	0.320	0.141	(0.288)	0.179
176	14.67	0.87	0.320	0.140	(0.288)	0.180
177	14.75	0.87	0.320	0.139	(0.288)	0.180
178	14.83	0.83	0.307	0.139	(0.277)	0.169
179	14.92	0.83	0.307	0.138	(0.277)	0.170
180	15.00	0.83	0.307	0.137	(0.277)	0.170
181	15.08	0.80	0.295	0.136	(0.266)	0.159
182	15.17	0.80	0.295	0.136	(0.266)	0.159
183	15.25	0.80	0.295	0.135	(0.266)	0.160
184	15.33	0.77	0.283	0.134	(0.255)	0.148
185	15.42	0.77	0.283	0.134	(0.255)	0.149
186	15.50	0.77	0.283	0.133	(0.255)	0.150
187	15.58	0.63	0.234	0.132	(0.210)	0.101
188	15.67	0.63	0.234	0.132	(0.210)	0.102
189	15.75	0.63	0.234	0.131	(0.210)	0.103
190	15.83	0.63	0.234	0.130	(0.210)	0.103
191	15.92	0.63	0.234	0.130	(0.210)	0.104
192	16.00	0.63	0.234	0.129	(0.210)	0.105

193	16.08	0.13	0.049	(0.128)	0.044	0.005
194	16.17	0.13	0.049	(0.128)	0.044	0.005
195	16.25	0.13	0.049	(0.127)	0.044	0.005
196	16.33	0.13	0.049	(0.126)	0.044	0.005
197	16.42	0.13	0.049	(0.126)	0.044	0.005
198	16.50	0.13	0.049	(0.125)	0.044	0.005
199	16.58	0.10	0.037	(0.124)	0.033	0.004
200	16.67	0.10	0.037	(0.124)	0.033	0.004
201	16.75	0.10	0.037	(0.123)	0.033	0.004
202	16.83	0.10	0.037	(0.123)	0.033	0.004
203	16.92	0.10	0.037	(0.122)	0.033	0.004
204	17.00	0.10	0.037	(0.121)	0.033	0.004
205	17.08	0.17	0.061	(0.121)	0.055	0.006
206	17.17	0.17	0.061	(0.120)	0.055	0.006
207	17.25	0.17	0.061	(0.119)	0.055	0.006
208	17.33	0.17	0.061	(0.119)	0.055	0.006
209	17.42	0.17	0.061	(0.118)	0.055	0.006
210	17.50	0.17	0.061	(0.118)	0.055	0.006
211	17.58	0.17	0.061	(0.117)	0.055	0.006
212	17.67	0.17	0.061	(0.117)	0.055	0.006
213	17.75	0.17	0.061	(0.116)	0.055	0.006
214	17.83	0.13	0.049	(0.115)	0.044	0.005
215	17.92	0.13	0.049	(0.115)	0.044	0.005
216	18.00	0.13	0.049	(0.114)	0.044	0.005
217	18.08	0.13	0.049	(0.114)	0.044	0.005
218	18.17	0.13	0.049	(0.113)	0.044	0.005
219	18.25	0.13	0.049	(0.113)	0.044	0.005
220	18.33	0.13	0.049	(0.112)	0.044	0.005
221	18.42	0.13	0.049	(0.111)	0.044	0.005
222	18.50	0.13	0.049	(0.111)	0.044	0.005
223	18.58	0.10	0.037	(0.110)	0.033	0.004
224	18.67	0.10	0.037	(0.110)	0.033	0.004
225	18.75	0.10	0.037	(0.109)	0.033	0.004
226	18.83	0.07	0.025	(0.109)	0.022	0.002
227	18.92	0.07	0.025	(0.108)	0.022	0.002
228	19.00	0.07	0.025	(0.108)	0.022	0.002
229	19.08	0.10	0.037	(0.107)	0.033	0.004
230	19.17	0.10	0.037	(0.107)	0.033	0.004
231	19.25	0.10	0.037	(0.106)	0.033	0.004
232	19.33	0.13	0.049	(0.106)	0.044	0.005
233	19.42	0.13	0.049	(0.105)	0.044	0.005
234	19.50	0.13	0.049	(0.105)	0.044	0.005
235	19.58	0.10	0.037	(0.104)	0.033	0.004
236	19.67	0.10	0.037	(0.104)	0.033	0.004
237	19.75	0.10	0.037	(0.103)	0.033	0.004
238	19.83	0.07	0.025	(0.103)	0.022	0.002
239	19.92	0.07	0.025	(0.102)	0.022	0.002
240	20.00	0.07	0.025	(0.102)	0.022	0.002
241	20.08	0.10	0.037	(0.102)	0.033	0.004
242	20.17	0.10	0.037	(0.101)	0.033	0.004

243	20.25	0.10	0.037	(0.101)	0.033	0.004
244	20.33	0.10	0.037	(0.100)	0.033	0.004
245	20.42	0.10	0.037	(0.100)	0.033	0.004
246	20.50	0.10	0.037	(0.099)	0.033	0.004
247	20.58	0.10	0.037	(0.099)	0.033	0.004
248	20.67	0.10	0.037	(0.099)	0.033	0.004
249	20.75	0.10	0.037	(0.098)	0.033	0.004
250	20.83	0.07	0.025	(0.098)	0.022	0.002
251	20.92	0.07	0.025	(0.097)	0.022	0.002
252	21.00	0.07	0.025	(0.097)	0.022	0.002
253	21.08	0.10	0.037	(0.097)	0.033	0.004
254	21.17	0.10	0.037	(0.096)	0.033	0.004
255	21.25	0.10	0.037	(0.096)	0.033	0.004
256	21.33	0.07	0.025	(0.095)	0.022	0.002
257	21.42	0.07	0.025	(0.095)	0.022	0.002
258	21.50	0.07	0.025	(0.095)	0.022	0.002
259	21.58	0.10	0.037	(0.094)	0.033	0.004
260	21.67	0.10	0.037	(0.094)	0.033	0.004
261	21.75	0.10	0.037	(0.094)	0.033	0.004
262	21.83	0.07	0.025	(0.093)	0.022	0.002
263	21.92	0.07	0.025	(0.093)	0.022	0.002
264	22.00	0.07	0.025	(0.093)	0.022	0.002
265	22.08	0.10	0.037	(0.092)	0.033	0.004
266	22.17	0.10	0.037	(0.092)	0.033	0.004
267	22.25	0.10	0.037	(0.092)	0.033	0.004
268	22.33	0.07	0.025	(0.092)	0.022	0.002
269	22.42	0.07	0.025	(0.091)	0.022	0.002
270	22.50	0.07	0.025	(0.091)	0.022	0.002
271	22.58	0.07	0.025	(0.091)	0.022	0.002
272	22.67	0.07	0.025	(0.090)	0.022	0.002
273	22.75	0.07	0.025	(0.090)	0.022	0.002
274	22.83	0.07	0.025	(0.090)	0.022	0.002
275	22.92	0.07	0.025	(0.090)	0.022	0.002
276	23.00	0.07	0.025	(0.090)	0.022	0.002
277	23.08	0.07	0.025	(0.089)	0.022	0.002
278	23.17	0.07	0.025	(0.089)	0.022	0.002
279	23.25	0.07	0.025	(0.089)	0.022	0.002
280	23.33	0.07	0.025	(0.089)	0.022	0.002
281	23.42	0.07	0.025	(0.089)	0.022	0.002
282	23.50	0.07	0.025	(0.088)	0.022	0.002
283	23.58	0.07	0.025	(0.088)	0.022	0.002
284	23.67	0.07	0.025	(0.088)	0.022	0.002
285	23.75	0.07	0.025	(0.088)	0.022	0.002
286	23.83	0.07	0.025	(0.088)	0.022	0.002
287	23.92	0.07	0.025	(0.088)	0.022	0.002
288	24.00	0.07	0.025	(0.088)	0.022	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 11.4

Flood volume = Effective rainfall 0.95(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 2.12(In)
 Total soil loss = 0.541(Ac.Ft)
 Total rainfall = 3.07(In)
 Flood volume = 10576.7 Cubic Feet
 Total soil loss = 23565.3 Cubic Feet

 Peak flow rate of this hydrograph = 0.822(CFS)

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 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000		0.00	Q				
0+10	0.0001		0.01	Q				
0+15	0.0001		0.01	Q				
0+20	0.0002		0.01	Q				
0+25	0.0002		0.01	Q				
0+30	0.0003		0.01	Q				
0+35	0.0004		0.01	Q				
0+40	0.0005		0.01	Q				
0+45	0.0005		0.01	Q				
0+50	0.0006		0.01	Q				
0+55	0.0007		0.01	Q				
1+ 0	0.0008		0.01	Q				
1+ 5	0.0009		0.01	Q				
1+10	0.0010		0.01	Q				
1+15	0.0011		0.01	Q				
1+20	0.0012		0.01	Q				
1+25	0.0012		0.01	Q				
1+30	0.0013		0.01	Q				
1+35	0.0014		0.01	Q				
1+40	0.0015		0.01	Q				
1+45	0.0016		0.01	Q				
1+50	0.0016		0.01	Q				
1+55	0.0017		0.01	Q				
2+ 0	0.0018		0.01	Q				
2+ 5	0.0019		0.01	Q				
2+10	0.0020		0.02	Q				
2+15	0.0022		0.02	Q				
2+20	0.0023		0.02	Q				
2+25	0.0024		0.02	Q				
2+30	0.0025		0.02	Q				
2+35	0.0026		0.02	Q				
2+40	0.0027		0.02	Q				
2+45	0.0028		0.02	Q				

2+50	0.0030	0.02	Q
2+55	0.0031	0.02	Q
3+ 0	0.0032	0.02	Q
3+ 5	0.0034	0.02	Q
3+10	0.0035	0.02	Q
3+15	0.0036	0.02	Q
3+20	0.0037	0.02	Q
3+25	0.0039	0.02	Q
3+30	0.0040	0.02	Q
3+35	0.0041	0.02	Q
3+40	0.0043	0.02	Q
3+45	0.0044	0.02	Q
3+50	0.0045	0.02	Q
3+55	0.0047	0.02	Q
4+ 0	0.0048	0.02	Q
4+ 5	0.0050	0.02	Q
4+10	0.0052	0.02	Q
4+15	0.0053	0.02	Q
4+20	0.0055	0.02	Q
4+25	0.0056	0.03	Q
4+30	0.0058	0.03	Q
4+35	0.0060	0.03	Q
4+40	0.0062	0.03	QV
4+45	0.0064	0.03	QV
4+50	0.0066	0.03	QV
4+55	0.0068	0.03	QV
5+ 0	0.0070	0.03	QV
5+ 5	0.0072	0.03	QV
5+10	0.0073	0.02	QV
5+15	0.0075	0.02	QV
5+20	0.0077	0.02	QV
5+25	0.0078	0.03	QV
5+30	0.0080	0.03	QV
5+35	0.0082	0.03	QV
5+40	0.0084	0.03	QV
5+45	0.0086	0.03	QV
5+50	0.0088	0.03	QV
5+55	0.0090	0.03	QV
6+ 0	0.0092	0.03	QV
6+ 5	0.0095	0.03	QV
6+10	0.0097	0.03	QV
6+15	0.0099	0.03	QV
6+20	0.0102	0.03	QV
6+25	0.0104	0.03	QV
6+30	0.0106	0.03	QV
6+35	0.0109	0.04	QV
6+40	0.0111	0.04	QV
6+45	0.0114	0.04	QV
6+50	0.0116	0.04	QV
6+55	0.0119	0.04	QV

7+ 0	0.0122	0.04	Q	V				
7+ 5	0.0124	0.04	Q	V				
7+10	0.0127	0.04	Q	V				
7+15	0.0129	0.04	Q	V				
7+20	0.0132	0.04	Q	V				
7+25	0.0135	0.04	Q	V				
7+30	0.0138	0.04	Q	V				
7+35	0.0141	0.04	Q	V				
7+40	0.0144	0.04	Q	V				
7+45	0.0147	0.05	Q	V				
7+50	0.0150	0.05	Q	V				
7+55	0.0153	0.05	Q	V				
8+ 0	0.0157	0.05	Q	V				
8+ 5	0.0160	0.05	Q	V				
8+10	0.0164	0.06	Q	V				
8+15	0.0168	0.06	Q	V				
8+20	0.0172	0.06	Q	V				
8+25	0.0176	0.06	Q	V				
8+30	0.0180	0.06	Q	V				
8+35	0.0184	0.06	Q	V				
8+40	0.0188	0.06	Q	V				
8+45	0.0192	0.06	Q	V				
8+50	0.0196	0.06	Q	V				
8+55	0.0201	0.06	Q	V				
9+ 0	0.0205	0.06	Q	V				
9+ 5	0.0210	0.08	Q	V				
9+10	0.0218	0.11	Q	V				
9+15	0.0226	0.11	Q	V				
9+20	0.0235	0.13	Q	V				
9+25	0.0245	0.15	Q	V				
9+30	0.0256	0.16	Q	V				
9+35	0.0269	0.18	Q	V				
9+40	0.0283	0.20	Q	V				
9+45	0.0297	0.21	Q	V				
9+50	0.0312	0.22	Q	V				
9+55	0.0329	0.25	Q	V				
10+ 0	0.0347	0.25	Q	V				
10+ 5	0.0361	0.20	Q	V				
10+10	0.0368	0.10	Q	V				
10+15	0.0373	0.08	Q	V				
10+20	0.0378	0.07	Q	V				
10+25	0.0382	0.06	Q	V				
10+30	0.0386	0.06	Q	V				
10+35	0.0393	0.10	Q	V				
10+40	0.0405	0.17	Q	V				
10+45	0.0418	0.19	Q	V				
10+50	0.0432	0.20	Q	V				
10+55	0.0447	0.21	Q	V				
11+ 0	0.0461	0.22	Q	V				
11+ 5	0.0476	0.21	Q	V				

11+10	0.0489	0.19	Q	V				
11+15	0.0502	0.19	Q	V				
11+20	0.0515	0.19	Q	V				
11+25	0.0528	0.19	Q	V				
11+30	0.0542	0.19	Q	V				
11+35	0.0554	0.17	Q	V				
11+40	0.0564	0.14	Q	V				
11+45	0.0573	0.13	Q	V				
11+50	0.0583	0.14	Q	V				
11+55	0.0594	0.16	Q	V				
12+ 0	0.0605	0.17	Q	V				
12+ 5	0.0623	0.25	Q	V				
12+10	0.0649	0.38	Q	V				
12+15	0.0677	0.42	Q	V				
12+20	0.0708	0.44	Q	V				
12+25	0.0740	0.47	Q	V				
12+30	0.0774	0.48	Q	V				
12+35	0.0809	0.51	Q	V				
12+40	0.0847	0.55	Q	V				
12+45	0.0886	0.57	Q	V				
12+50	0.0926	0.58	Q	V				
12+55	0.0968	0.61	Q	V				
13+ 0	0.1010	0.61	Q	V				
13+ 5	0.1057	0.67	Q	V				
13+10	0.1110	0.77	Q	V				
13+15	0.1164	0.79	Q	V				
13+20	0.1220	0.81	Q	V				
13+25	0.1276	0.82	Q	V				
13+30	0.1333	0.82	Q	V				
13+35	0.1381	0.71	Q	V				
13+40	0.1416	0.51	Q	V				
13+45	0.1448	0.46	Q	V				
13+50	0.1478	0.44	Q	V				
13+55	0.1507	0.43	Q	V				
14+ 0	0.1537	0.42	Q	V				
14+ 5	0.1569	0.47	Q	V				
14+10	0.1606	0.54	Q	V				
14+15	0.1645	0.56	Q	V				
14+20	0.1683	0.56	Q	V				
14+25	0.1721	0.55	Q	V				
14+30	0.1759	0.55	Q	V				
14+35	0.1797	0.55	Q	V				
14+40	0.1835	0.55	Q	V				
14+45	0.1873	0.55	Q	V				
14+50	0.1911	0.55	Q	V				
14+55	0.1947	0.53	Q	V				
15+ 0	0.1984	0.53	Q	V				
15+ 5	0.2019	0.52	Q	V				
15+10	0.2054	0.50	Q	V				
15+15	0.2088	0.50	Q	V				

15+20	0.2121	0.48	Q				V	
15+25	0.2153	0.47	Q				V	
15+30	0.2185	0.46	Q				V	
15+35	0.2214	0.42	Q				V	
15+40	0.2238	0.35	Q				V	
15+45	0.2261	0.33	Q				V	
15+50	0.2283	0.32	Q				V	
15+55	0.2305	0.32	Q				V	
16+ 0	0.2328	0.32	Q				V	
16+ 5	0.2344	0.23	Q				V	
16+10	0.2350	0.09	Q				V	
16+15	0.2353	0.05	Q				V	
16+20	0.2355	0.03	Q				V	
16+25	0.2357	0.02	Q				V	
16+30	0.2358	0.02	Q				V	
16+35	0.2359	0.01	Q				V	
16+40	0.2360	0.01	Q				V	
16+45	0.2361	0.01	Q				V	
16+50	0.2361	0.01	Q				V	
16+55	0.2362	0.01	Q				V	
17+ 0	0.2363	0.01	Q				V	
17+ 5	0.2364	0.01	Q				V	
17+10	0.2365	0.02	Q				V	
17+15	0.2366	0.02	Q				V	
17+20	0.2368	0.02	Q				V	
17+25	0.2369	0.02	Q				V	
17+30	0.2370	0.02	Q				V	
17+35	0.2371	0.02	Q				V	
17+40	0.2373	0.02	Q				V	
17+45	0.2374	0.02	Q				V	
17+50	0.2375	0.02	Q				V	
17+55	0.2376	0.02	Q				V	
18+ 0	0.2377	0.02	Q				V	
18+ 5	0.2379	0.02	Q				V	
18+10	0.2380	0.02	Q				V	
18+15	0.2381	0.02	Q				V	
18+20	0.2382	0.02	Q				V	
18+25	0.2383	0.02	Q				V	
18+30	0.2384	0.02	Q				V	
18+35	0.2385	0.01	Q				V	
18+40	0.2386	0.01	Q				V	
18+45	0.2386	0.01	Q				V	
18+50	0.2387	0.01	Q				V	
18+55	0.2388	0.01	Q				V	
19+ 0	0.2388	0.01	Q				V	
19+ 5	0.2389	0.01	Q				V	
19+10	0.2390	0.01	Q				V	
19+15	0.2390	0.01	Q				V	
19+20	0.2391	0.01	Q				V	
19+25	0.2392	0.01	Q				V	

19+30	0.2393	0.01	Q				V
19+35	0.2394	0.01	Q				V
19+40	0.2395	0.01	Q				V
19+45	0.2396	0.01	Q				V
19+50	0.2397	0.01	Q				V
19+55	0.2397	0.01	Q				V
20+ 0	0.2398	0.01	Q				V
20+ 5	0.2398	0.01	Q				V
20+10	0.2399	0.01	Q				V
20+15	0.2400	0.01	Q				V
20+20	0.2401	0.01	Q				V
20+25	0.2401	0.01	Q				V
20+30	0.2402	0.01	Q				V
20+35	0.2403	0.01	Q				V
20+40	0.2404	0.01	Q				V
20+45	0.2404	0.01	Q				V
20+50	0.2405	0.01	Q				V
20+55	0.2406	0.01	Q				V
21+ 0	0.2406	0.01	Q				V
21+ 5	0.2407	0.01	Q				V
21+10	0.2408	0.01	Q				V
21+15	0.2408	0.01	Q				V
21+20	0.2409	0.01	Q				V
21+25	0.2410	0.01	Q				V
21+30	0.2410	0.01	Q				V
21+35	0.2411	0.01	Q				V
21+40	0.2412	0.01	Q				V
21+45	0.2412	0.01	Q				V
21+50	0.2413	0.01	Q				V
21+55	0.2414	0.01	Q				V
22+ 0	0.2414	0.01	Q				V
22+ 5	0.2415	0.01	Q				V
22+10	0.2415	0.01	Q				V
22+15	0.2416	0.01	Q				V
22+20	0.2417	0.01	Q				V
22+25	0.2418	0.01	Q				V
22+30	0.2418	0.01	Q				V
22+35	0.2419	0.01	Q				V
22+40	0.2419	0.01	Q				V
22+45	0.2420	0.01	Q				V
22+50	0.2420	0.01	Q				V
22+55	0.2421	0.01	Q				V
23+ 0	0.2421	0.01	Q				V
23+ 5	0.2422	0.01	Q				V
23+10	0.2422	0.01	Q				V
23+15	0.2423	0.01	Q				V
23+20	0.2423	0.01	Q				V
23+25	0.2424	0.01	Q				V
23+30	0.2424	0.01	Q				V
23+35	0.2425	0.01	Q				V

23+40	0.2425	0.01	Q				V
23+45	0.2426	0.01	Q				V
23+50	0.2426	0.01	Q				V
23+55	0.2427	0.01	Q				V
24+ 0	0.2427	0.01	Q				V
24+ 5	0.2428	0.01	Q				V
24+10	0.2428	0.00	Q				V
24+15	0.2428	0.00	Q				V
24+20	0.2428	0.00	Q				V
24+25	0.2428	0.00	Q				V
24+30	0.2428	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda3610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.176)	0.095	0.011
2	0.17	0.60	0.126	(0.176)	0.114	0.013
3	0.25	0.60	0.126	(0.176)	0.114	0.013
4	0.33	0.60	0.126	(0.176)	0.114	0.013
5	0.42	0.60	0.126	(0.176)	0.114	0.013
6	0.50	0.70	0.147	(0.176)	0.133	0.015
7	0.58	0.70	0.147	(0.176)	0.133	0.015
8	0.67	0.70	0.147	(0.176)	0.133	0.015
9	0.75	0.70	0.147	(0.176)	0.133	0.015
10	0.83	0.70	0.147	(0.176)	0.133	0.015
11	0.92	0.70	0.147	(0.176)	0.133	0.015
12	1.00	0.80	0.169	(0.176)	0.152	0.017
13	1.08	0.80	0.169	(0.176)	0.152	0.017
14	1.17	0.80	0.169	(0.176)	0.152	0.017
15	1.25	0.80	0.169	(0.176)	0.152	0.017
16	1.33	0.80	0.169	(0.176)	0.152	0.017
17	1.42	0.80	0.169	(0.176)	0.152	0.017
18	1.50	0.80	0.169	(0.176)	0.152	0.017
19	1.58	0.80	0.169	(0.176)	0.152	0.017
20	1.67	0.80	0.169	(0.176)	0.152	0.017
21	1.75	0.80	0.169	(0.176)	0.152	0.017
22	1.83	0.80	0.169	(0.176)	0.152	0.017
23	1.92	0.80	0.169	(0.176)	0.152	0.017
24	2.00	0.90	0.190	(0.176)	0.171	0.019
25	2.08	0.80	0.169	(0.176)	0.152	0.017
26	2.17	0.90	0.190	(0.176)	0.171	0.019
27	2.25	0.90	0.190	(0.176)	0.171	0.019
28	2.33	0.90	0.190	(0.176)	0.171	0.019
29	2.42	0.90	0.190	(0.176)	0.171	0.019
30	2.50	0.90	0.190	(0.176)	0.171	0.019
31	2.58	0.90	0.190	(0.176)	0.171	0.019
32	2.67	0.90	0.190	(0.176)	0.171	0.019
33	2.75	1.00	0.211	0.176	(0.190)	0.035
34	2.83	1.00	0.211	0.176	(0.190)	0.035
35	2.92	1.00	0.211	0.176	(0.190)	0.035
36	3.00	1.00	0.211	0.176	(0.190)	0.035
37	3.08	1.00	0.211	0.176	(0.190)	0.035
38	3.17	1.10	0.232	0.176	(0.209)	0.056
39	3.25	1.10	0.232	0.176	(0.209)	0.056
40	3.33	1.10	0.232	0.176	(0.209)	0.056
41	3.42	1.20	0.253	0.176	(0.227)	0.077
42	3.50	1.30	0.274	0.176	(0.246)	0.098

43	3.58	1.40	0.295	0.176	(0.265)	0.119
44	3.67	1.40	0.295	0.176	(0.265)	0.119
45	3.75	1.50	0.316	0.176	(0.284)	0.140
46	3.83	1.50	0.316	0.176	(0.284)	0.140
47	3.92	1.60	0.337	0.176	(0.303)	0.161
48	4.00	1.60	0.337	0.176	(0.303)	0.161
49	4.08	1.70	0.358	0.176	(0.322)	0.182
50	4.17	1.80	0.379	0.176	(0.341)	0.204
51	4.25	1.90	0.400	0.176	(0.360)	0.225
52	4.33	2.00	0.421	0.176	(0.379)	0.246
53	4.42	2.10	0.442	0.176	(0.398)	0.267
54	4.50	2.10	0.442	0.176	(0.398)	0.267
55	4.58	2.20	0.463	0.176	(0.417)	0.288
56	4.67	2.30	0.484	0.176	(0.436)	0.309
57	4.75	2.40	0.506	0.176	(0.455)	0.330
58	4.83	2.40	0.506	0.176	(0.455)	0.330
59	4.92	2.50	0.527	0.176	(0.474)	0.351
60	5.00	2.60	0.548	0.176	(0.493)	0.372
61	5.08	3.10	0.653	0.176	(0.588)	0.477
62	5.17	3.60	0.758	0.176	(0.682)	0.583
63	5.25	3.90	0.821	0.176	(0.739)	0.646
64	5.33	4.20	0.885	0.176	(0.796)	0.709
65	5.42	4.70	0.990	0.176	(0.891)	0.814
66	5.50	5.60	1.180	0.176	(1.062)	1.004
67	5.58	1.90	0.400	0.176	(0.360)	0.225
68	5.67	0.90	0.190	(0.176)	0.171	0.019
69	5.75	0.60	0.126	(0.176)	0.114	0.013
70	5.83	0.50	0.105	(0.176)	0.095	0.011
71	5.92	0.30	0.063	(0.176)	0.057	0.006
72	6.00	0.20	0.042	(0.176)	0.038	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.8

Flood volume = Effective rainfall 0.81(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.94(In)
Total soil loss = 0.240(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 9035.7 Cubic Feet
Total soil loss = 10462.1 Cubic Feet

Peak flow rate of this hydrograph = 2.563(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0001	0.01	Q			
0+10	0.0002	0.03	Q			
0+15	0.0005	0.03	Q			
0+20	0.0007	0.04	Q			
0+25	0.0010	0.04	Q			
0+30	0.0013	0.04	Q			
0+35	0.0016	0.04	Q			
0+40	0.0019	0.04	Q			
0+45	0.0022	0.05	Q			
0+50	0.0025	0.05	Q			
0+55	0.0028	0.05	Q			
1+ 0	0.0031	0.05	Q			
1+ 5	0.0035	0.05	Q			
1+10	0.0038	0.05	Q			
1+15	0.0042	0.05	Q			
1+20	0.0046	0.05	Q			
1+25	0.0049	0.05	Q			
1+30	0.0053	0.05	QV			
1+35	0.0056	0.05	QV			
1+40	0.0060	0.05	QV			
1+45	0.0064	0.05	QV			
1+50	0.0067	0.05	QV			
1+55	0.0071	0.05	QV			
2+ 0	0.0074	0.05	QV			
2+ 5	0.0078	0.06	QV			
2+10	0.0082	0.05	QV			
2+15	0.0086	0.06	QV			
2+20	0.0090	0.06	QV			
2+25	0.0094	0.06	QV			
2+30	0.0098	0.06	QV			
2+35	0.0102	0.06	QV			
2+40	0.0106	0.06	Q V			
2+45	0.0111	0.07	Q V			
2+50	0.0118	0.10	Q V			
2+55	0.0125	0.10	Q V			
3+ 0	0.0132	0.11	Q V			
3+ 5	0.0139	0.11	Q V			
3+10	0.0148	0.13	Q V			
3+15	0.0159	0.16	Q V			
3+20	0.0170	0.17	Q V			
3+25	0.0183	0.19	Q V			
3+30	0.0200	0.24	Q V			
3+35	0.0220	0.30	Q V			
3+40	0.0244	0.34	Q V			
3+45	0.0270	0.37	Q V			
3+50	0.0298	0.41	Q V			
3+55	0.0329	0.44	Q V			
4+ 0	0.0362	0.48	Q V			
4+ 5	0.0397	0.51	Q V			

4+10	0.0435	0.56	Q	V				
4+15	0.0478	0.62	Q	V				
4+20	0.0526	0.69	Q	V				
4+25	0.0577	0.75	Q	V				
4+30	0.0632	0.80	Q	V				
4+35	0.0689	0.83	Q	V				
4+40	0.0750	0.89	Q	V				
4+45	0.0815	0.95	Q	V				
4+50	0.0884	0.99	Q	V				
4+55	0.0954	1.02	Q	V				
5+ 0	0.1029	1.08	Q	V				
5+ 5	0.1113	1.22	Q	V				
5+10	0.1214	1.48	Q	V				
5+15	0.1334	1.74	Q	V				
5+20	0.1468	1.95	Q	V				
5+25	0.1619	2.19	Q	V				
5+30	0.1796	2.56	Q	V				
5+35	0.1949	2.22	Q	V				
5+40	0.2016	0.98	Q	V				
5+45	0.2045	0.42	Q	V				
5+50	0.2061	0.22	Q	V				
5+55	0.2069	0.12	Q	V				
6+ 0	0.2073	0.05	Q	V				
6+ 5	0.2074	0.02	Q	V				
6+10	0.2074	0.00	Q	V				
6+15	0.2074	0.00	Q	V				
6+20	0.2074	0.00	Q	V				
6+25	0.2074	0.00	Q	V				
6+30	0.2074	0.00	Q	V				

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda3310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	0.176	(0.181)	0.025
2	0.17	1.30	0.201	0.176	(0.181)	0.025
3	0.25	1.10	0.170	(0.176)	0.153	0.017
4	0.33	1.50	0.232	0.176	(0.209)	0.056
5	0.42	1.50	0.232	0.176	(0.209)	0.056
6	0.50	1.80	0.278	0.176	(0.250)	0.102
7	0.58	1.50	0.232	0.176	(0.209)	0.056
8	0.67	1.80	0.278	0.176	(0.250)	0.102
9	0.75	1.80	0.278	0.176	(0.250)	0.102
10	0.83	1.50	0.232	0.176	(0.209)	0.056
11	0.92	1.60	0.247	0.176	(0.222)	0.072
12	1.00	1.80	0.278	0.176	(0.250)	0.102
13	1.08	2.20	0.340	0.176	(0.306)	0.164
14	1.17	2.20	0.340	0.176	(0.306)	0.164
15	1.25	2.20	0.340	0.176	(0.306)	0.164
16	1.33	2.00	0.309	0.176	(0.278)	0.133
17	1.42	2.60	0.402	0.176	(0.361)	0.226
18	1.50	2.70	0.417	0.176	(0.375)	0.241
19	1.58	2.40	0.371	0.176	(0.334)	0.195
20	1.67	2.70	0.417	0.176	(0.375)	0.241
21	1.75	3.30	0.510	0.176	(0.459)	0.334
22	1.83	3.10	0.479	0.176	(0.431)	0.303
23	1.92	2.90	0.448	0.176	(0.403)	0.272
24	2.00	3.00	0.463	0.176	(0.417)	0.288
25	2.08	3.10	0.479	0.176	(0.431)	0.303
26	2.17	4.20	0.649	0.176	(0.584)	0.473
27	2.25	5.00	0.772	0.176	(0.695)	0.597
28	2.33	3.50	0.541	0.176	(0.487)	0.365
29	2.42	6.80	1.050	0.176	(0.945)	0.875
30	2.50	7.30	1.128	0.176	(1.015)	0.952
31	2.58	8.20	1.267	0.176	(1.140)	1.091
32	2.67	5.90	0.911	0.176	(0.820)	0.736
33	2.75	2.00	0.309	0.176	(0.278)	0.133
34	2.83	1.80	0.278	0.176	(0.250)	0.102
35	2.92	1.80	0.278	0.176	(0.250)	0.102
36	3.00	0.60	0.093	(0.176)	0.083	0.009

(Loss Rate Not Used)

Sum = 100.0

Sum = 9.2

Flood volume = Effective rainfall 0.77(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.52(In)

Total soil loss = 0.132(Ac.Ft)

Total rainfall = 1.29(In)
 Flood volume = 8552.9 Cubic Feet
 Total soil loss = 5745.3 Cubic Feet

 Peak flow rate of this hydrograph = 2.860(CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002		0.02	Q				
0+10	0.0006		0.06	Q				
0+15	0.0010		0.06	Q				
0+20	0.0016		0.09	Q				
0+25	0.0026		0.15	Q				
0+30	0.0040		0.20	Q				
0+35	0.0056		0.24	QV				
0+40	0.0072		0.23	QV				
0+45	0.0092		0.29	Q				
0+50	0.0110		0.26	QV				
0+55	0.0125		0.21	Q V				
1+ 0	0.0142		0.25	QV				
1+ 5	0.0166		0.35	Q V				
1+10	0.0197		0.45	Q V				
1+15	0.0231		0.48	Q V				
1+20	0.0263		0.47	Q V				
1+25	0.0298		0.51	Q V				
1+30	0.0343		0.65	Q V				
1+35	0.0389		0.67	Q V				
1+40	0.0434		0.66	Q V				
1+45	0.0489		0.80	Q V				
1+50	0.0553		0.93	Q V				
1+55	0.0615		0.89	Q V				
2+ 0	0.0675		0.87	Q V				
2+ 5	0.0736		0.90	Q V				
2+10	0.0810		1.07	Q V				
2+15	0.0910		1.44	Q V				
2+20	0.1012		1.49	Q V				
2+25	0.1127		1.67	Q V				
2+30	0.1296		2.45	Q V				
2+35	0.1493		2.86	Q V				
2+40	0.1690		2.86	Q V				
2+45	0.1821		1.90	Q V				
2+50	0.1882		0.89	Q V				
2+55	0.1923		0.59	Q V				

3+ 0	0.1948	0.37	Q				V
3+ 5	0.1958	0.14	Q				V
3+10	0.1961	0.05	Q				V
3+15	0.1963	0.02	Q				V
3+20	0.1963	0.01	Q				V
3+25	0.1963	0.00	Q				V
3+30	0.1963	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda3110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	132.277	0.883
2	0.167	264.555	1.486
3	0.250	396.832	0.380
4	0.333	529.109	0.170
5	0.417	661.387	0.093
6	0.500	793.664	0.050

7	0.583	925.941	0.725	0.022
		Sum = 100.000	Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	0.176	(0.356)	0.220
2	0.17	4.30	0.405	0.176	(0.365)	0.230
3	0.25	5.00	0.471	0.176	(0.424)	0.296
4	0.33	5.00	0.471	0.176	(0.424)	0.296
5	0.42	5.80	0.547	0.176	(0.492)	0.371
6	0.50	6.50	0.613	0.176	(0.551)	0.437
7	0.58	7.40	0.698	0.176	(0.628)	0.522
8	0.67	8.60	0.811	0.176	(0.730)	0.635
9	0.75	12.30	1.160	0.176	(1.044)	0.984
10	0.83	29.10	2.743	0.176	(2.469)	2.568
11	0.92	6.80	0.641	0.176	(0.577)	0.465
12	1.00	5.00	0.471	0.176	(0.424)	0.296

(Loss Rate Not Used)

Sum =	100.0	Sum =	7.3

Flood volume = Effective rainfall 0.61(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.18(In)
Total soil loss = 0.045(Ac.Ft)
Total rainfall = 0.79(In)
Flood volume = 6775.6 Cubic Feet
Total soil loss = 1950.5 Cubic Feet

Peak flow rate of this hydrograph = 4.788(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0013	0.19	Q				
0+10	0.0050	0.53	VQ				
0+15	0.0097	0.69	Q				
0+20	0.0154	0.83	Q				
0+25	0.0219	0.94	Q V				
0+30	0.0297	1.13	Q V				
0+35	0.0390	1.35	Q	V			

0+40	0.0501	1.61		Q		V					
0+45	0.0648	2.14			Q		V				
0+50	0.0933	4.13					Q		V		
0+55	0.1262	4.79						Q		V	
1+ 0	0.1413	2.19			Q					V	
1+ 5	0.1495	1.19		Q						V	
1+10	0.1529	0.49		Q						V	
1+15	0.1546	0.24		Q						V	
1+20	0.1553	0.11		Q						V	
1+25	0.1555	0.03		Q						V	
1+30	0.1555	0.01		Q						V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda3245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.608)	0.019	0.002
2	0.17	0.07	0.021	(0.606)	0.019	0.002
3	0.25	0.07	0.021	(0.604)	0.019	0.002
4	0.33	0.10	0.031	(0.601)	0.028	0.003
5	0.42	0.10	0.031	(0.599)	0.028	0.003
6	0.50	0.10	0.031	(0.597)	0.028	0.003
7	0.58	0.10	0.031	(0.594)	0.028	0.003
8	0.67	0.10	0.031	(0.592)	0.028	0.003
9	0.75	0.10	0.031	(0.590)	0.028	0.003
10	0.83	0.13	0.041	(0.587)	0.037	0.004
11	0.92	0.13	0.041	(0.585)	0.037	0.004
12	1.00	0.13	0.041	(0.583)	0.037	0.004
13	1.08	0.10	0.031	(0.580)	0.028	0.003
14	1.17	0.10	0.031	(0.578)	0.028	0.003
15	1.25	0.10	0.031	(0.576)	0.028	0.003
16	1.33	0.10	0.031	(0.573)	0.028	0.003
17	1.42	0.10	0.031	(0.571)	0.028	0.003
18	1.50	0.10	0.031	(0.569)	0.028	0.003
19	1.58	0.10	0.031	(0.567)	0.028	0.003
20	1.67	0.10	0.031	(0.564)	0.028	0.003
21	1.75	0.10	0.031	(0.562)	0.028	0.003
22	1.83	0.13	0.041	(0.560)	0.037	0.004
23	1.92	0.13	0.041	(0.558)	0.037	0.004
24	2.00	0.13	0.041	(0.555)	0.037	0.004
25	2.08	0.13	0.041	(0.553)	0.037	0.004
26	2.17	0.13	0.041	(0.551)	0.037	0.004
27	2.25	0.13	0.041	(0.549)	0.037	0.004
28	2.33	0.13	0.041	(0.546)	0.037	0.004
29	2.42	0.13	0.041	(0.544)	0.037	0.004
30	2.50	0.13	0.041	(0.542)	0.037	0.004
31	2.58	0.17	0.052	(0.540)	0.046	0.005
32	2.67	0.17	0.052	(0.537)	0.046	0.005
33	2.75	0.17	0.052	(0.535)	0.046	0.005
34	2.83	0.17	0.052	(0.533)	0.046	0.005
35	2.92	0.17	0.052	(0.531)	0.046	0.005
36	3.00	0.17	0.052	(0.529)	0.046	0.005
37	3.08	0.17	0.052	(0.526)	0.046	0.005
38	3.17	0.17	0.052	(0.524)	0.046	0.005
39	3.25	0.17	0.052	(0.522)	0.046	0.005
40	3.33	0.17	0.052	(0.520)	0.046	0.005
41	3.42	0.17	0.052	(0.518)	0.046	0.005
42	3.50	0.17	0.052	(0.516)	0.046	0.005

43	3.58	0.17	0.052	(0.513)	0.046	0.005
44	3.67	0.17	0.052	(0.511)	0.046	0.005
45	3.75	0.17	0.052	(0.509)	0.046	0.005
46	3.83	0.20	0.062	(0.507)	0.056	0.006
47	3.92	0.20	0.062	(0.505)	0.056	0.006
48	4.00	0.20	0.062	(0.503)	0.056	0.006
49	4.08	0.20	0.062	(0.501)	0.056	0.006
50	4.17	0.20	0.062	(0.498)	0.056	0.006
51	4.25	0.20	0.062	(0.496)	0.056	0.006
52	4.33	0.23	0.072	(0.494)	0.065	0.007
53	4.42	0.23	0.072	(0.492)	0.065	0.007
54	4.50	0.23	0.072	(0.490)	0.065	0.007
55	4.58	0.23	0.072	(0.488)	0.065	0.007
56	4.67	0.23	0.072	(0.486)	0.065	0.007
57	4.75	0.23	0.072	(0.484)	0.065	0.007
58	4.83	0.27	0.083	(0.482)	0.074	0.008
59	4.92	0.27	0.083	(0.480)	0.074	0.008
60	5.00	0.27	0.083	(0.477)	0.074	0.008
61	5.08	0.20	0.062	(0.475)	0.056	0.006
62	5.17	0.20	0.062	(0.473)	0.056	0.006
63	5.25	0.20	0.062	(0.471)	0.056	0.006
64	5.33	0.23	0.072	(0.469)	0.065	0.007
65	5.42	0.23	0.072	(0.467)	0.065	0.007
66	5.50	0.23	0.072	(0.465)	0.065	0.007
67	5.58	0.27	0.083	(0.463)	0.074	0.008
68	5.67	0.27	0.083	(0.461)	0.074	0.008
69	5.75	0.27	0.083	(0.459)	0.074	0.008
70	5.83	0.27	0.083	(0.457)	0.074	0.008
71	5.92	0.27	0.083	(0.455)	0.074	0.008
72	6.00	0.27	0.083	(0.453)	0.074	0.008
73	6.08	0.30	0.093	(0.451)	0.084	0.009
74	6.17	0.30	0.093	(0.449)	0.084	0.009
75	6.25	0.30	0.093	(0.447)	0.084	0.009
76	6.33	0.30	0.093	(0.445)	0.084	0.009
77	6.42	0.30	0.093	(0.443)	0.084	0.009
78	6.50	0.30	0.093	(0.441)	0.084	0.009
79	6.58	0.33	0.103	(0.439)	0.093	0.010
80	6.67	0.33	0.103	(0.437)	0.093	0.010
81	6.75	0.33	0.103	(0.435)	0.093	0.010
82	6.83	0.33	0.103	(0.433)	0.093	0.010
83	6.92	0.33	0.103	(0.431)	0.093	0.010
84	7.00	0.33	0.103	(0.429)	0.093	0.010
85	7.08	0.33	0.103	(0.427)	0.093	0.010
86	7.17	0.33	0.103	(0.425)	0.093	0.010
87	7.25	0.33	0.103	(0.423)	0.093	0.010
88	7.33	0.37	0.114	(0.421)	0.102	0.011
89	7.42	0.37	0.114	(0.419)	0.102	0.011
90	7.50	0.37	0.114	(0.417)	0.102	0.011
91	7.58	0.40	0.124	(0.416)	0.112	0.012
92	7.67	0.40	0.124	(0.414)	0.112	0.012

93	7.75	0.40	0.124	(0.412)	0.112	0.012
94	7.83	0.43	0.134	(0.410)	0.121	0.013
95	7.92	0.43	0.134	(0.408)	0.121	0.013
96	8.00	0.43	0.134	(0.406)	0.121	0.013
97	8.08	0.50	0.155	(0.404)	0.139	0.015
98	8.17	0.50	0.155	(0.402)	0.139	0.015
99	8.25	0.50	0.155	(0.400)	0.139	0.015
100	8.33	0.50	0.155	(0.399)	0.139	0.015
101	8.42	0.50	0.155	(0.397)	0.139	0.015
102	8.50	0.50	0.155	(0.395)	0.139	0.015
103	8.58	0.53	0.165	(0.393)	0.149	0.017
104	8.67	0.53	0.165	(0.391)	0.149	0.017
105	8.75	0.53	0.165	(0.389)	0.149	0.017
106	8.83	0.57	0.176	(0.387)	0.158	0.018
107	8.92	0.57	0.176	(0.386)	0.158	0.018
108	9.00	0.57	0.176	(0.384)	0.158	0.018
109	9.08	0.63	0.196	(0.382)	0.177	0.020
110	9.17	0.63	0.196	(0.380)	0.177	0.020
111	9.25	0.63	0.196	(0.378)	0.177	0.020
112	9.33	0.67	0.206	(0.377)	0.186	0.021
113	9.42	0.67	0.206	(0.375)	0.186	0.021
114	9.50	0.67	0.206	(0.373)	0.186	0.021
115	9.58	0.70	0.217	(0.371)	0.195	0.022
116	9.67	0.70	0.217	(0.369)	0.195	0.022
117	9.75	0.70	0.217	(0.368)	0.195	0.022
118	9.83	0.73	0.227	(0.366)	0.204	0.023
119	9.92	0.73	0.227	(0.364)	0.204	0.023
120	10.00	0.73	0.227	(0.362)	0.204	0.023
121	10.08	0.50	0.155	(0.361)	0.139	0.015
122	10.17	0.50	0.155	(0.359)	0.139	0.015
123	10.25	0.50	0.155	(0.357)	0.139	0.015
124	10.33	0.50	0.155	(0.355)	0.139	0.015
125	10.42	0.50	0.155	(0.354)	0.139	0.015
126	10.50	0.50	0.155	(0.352)	0.139	0.015
127	10.58	0.67	0.206	(0.350)	0.186	0.021
128	10.67	0.67	0.206	(0.348)	0.186	0.021
129	10.75	0.67	0.206	(0.347)	0.186	0.021
130	10.83	0.67	0.206	(0.345)	0.186	0.021
131	10.92	0.67	0.206	(0.343)	0.186	0.021
132	11.00	0.67	0.206	(0.342)	0.186	0.021
133	11.08	0.63	0.196	(0.340)	0.177	0.020
134	11.17	0.63	0.196	(0.338)	0.177	0.020
135	11.25	0.63	0.196	(0.337)	0.177	0.020
136	11.33	0.63	0.196	(0.335)	0.177	0.020
137	11.42	0.63	0.196	(0.333)	0.177	0.020
138	11.50	0.63	0.196	(0.332)	0.177	0.020
139	11.58	0.57	0.176	(0.330)	0.158	0.018
140	11.67	0.57	0.176	(0.328)	0.158	0.018
141	11.75	0.57	0.176	(0.327)	0.158	0.018
142	11.83	0.60	0.186	(0.325)	0.167	0.019

143	11.92	0.60	0.186	(0.324)	0.167	0.019
144	12.00	0.60	0.186	(0.322)	0.167	0.019
145	12.08	0.83	0.258	(0.320)	0.232	0.026
146	12.17	0.83	0.258	(0.319)	0.232	0.026
147	12.25	0.83	0.258	(0.317)	0.232	0.026
148	12.33	0.87	0.268	(0.316)	0.242	0.027
149	12.42	0.87	0.268	(0.314)	0.242	0.027
150	12.50	0.87	0.268	(0.312)	0.242	0.027
151	12.58	0.93	0.289	(0.311)	0.260	0.029
152	12.67	0.93	0.289	(0.309)	0.260	0.029
153	12.75	0.93	0.289	(0.308)	0.260	0.029
154	12.83	0.97	0.299	(0.306)	0.269	0.030
155	12.92	0.97	0.299	(0.305)	0.269	0.030
156	13.00	0.97	0.299	(0.303)	0.269	0.030
157	13.08	1.13	0.351	0.301 (0.316)		0.050
158	13.17	1.13	0.351	0.300 (0.316)		0.051
159	13.25	1.13	0.351	0.298 (0.316)		0.053
160	13.33	1.13	0.351	0.297 (0.316)		0.054
161	13.42	1.13	0.351	0.295 (0.316)		0.056
162	13.50	1.13	0.351	0.294 (0.316)		0.057
163	13.58	0.77	0.237	(0.292)	0.214	0.024
164	13.67	0.77	0.237	(0.291)	0.214	0.024
165	13.75	0.77	0.237	(0.289)	0.214	0.024
166	13.83	0.77	0.237	(0.288)	0.214	0.024
167	13.92	0.77	0.237	(0.286)	0.214	0.024
168	14.00	0.77	0.237	(0.285)	0.214	0.024
169	14.08	0.90	0.279	(0.284)	0.251	0.028
170	14.17	0.90	0.279	(0.282)	0.251	0.028
171	14.25	0.90	0.279	(0.281)	0.251	0.028
172	14.33	0.87	0.268	(0.279)	0.242	0.027
173	14.42	0.87	0.268	(0.278)	0.242	0.027
174	14.50	0.87	0.268	(0.276)	0.242	0.027
175	14.58	0.87	0.268	(0.275)	0.242	0.027
176	14.67	0.87	0.268	(0.274)	0.242	0.027
177	14.75	0.87	0.268	(0.272)	0.242	0.027
178	14.83	0.83	0.258	(0.271)	0.232	0.026
179	14.92	0.83	0.258	(0.269)	0.232	0.026
180	15.00	0.83	0.258	(0.268)	0.232	0.026
181	15.08	0.80	0.248	(0.267)	0.223	0.025
182	15.17	0.80	0.248	(0.265)	0.223	0.025
183	15.25	0.80	0.248	(0.264)	0.223	0.025
184	15.33	0.77	0.237	(0.263)	0.214	0.024
185	15.42	0.77	0.237	(0.261)	0.214	0.024
186	15.50	0.77	0.237	(0.260)	0.214	0.024
187	15.58	0.63	0.196	(0.259)	0.177	0.020
188	15.67	0.63	0.196	(0.257)	0.177	0.020
189	15.75	0.63	0.196	(0.256)	0.177	0.020
190	15.83	0.63	0.196	(0.255)	0.177	0.020
191	15.92	0.63	0.196	(0.253)	0.177	0.020
192	16.00	0.63	0.196	(0.252)	0.177	0.020

193	16.08	0.13	0.041	(0.251)	0.037	0.004
194	16.17	0.13	0.041	(0.249)	0.037	0.004
195	16.25	0.13	0.041	(0.248)	0.037	0.004
196	16.33	0.13	0.041	(0.247)	0.037	0.004
197	16.42	0.13	0.041	(0.246)	0.037	0.004
198	16.50	0.13	0.041	(0.244)	0.037	0.004
199	16.58	0.10	0.031	(0.243)	0.028	0.003
200	16.67	0.10	0.031	(0.242)	0.028	0.003
201	16.75	0.10	0.031	(0.241)	0.028	0.003
202	16.83	0.10	0.031	(0.239)	0.028	0.003
203	16.92	0.10	0.031	(0.238)	0.028	0.003
204	17.00	0.10	0.031	(0.237)	0.028	0.003
205	17.08	0.17	0.052	(0.236)	0.046	0.005
206	17.17	0.17	0.052	(0.235)	0.046	0.005
207	17.25	0.17	0.052	(0.233)	0.046	0.005
208	17.33	0.17	0.052	(0.232)	0.046	0.005
209	17.42	0.17	0.052	(0.231)	0.046	0.005
210	17.50	0.17	0.052	(0.230)	0.046	0.005
211	17.58	0.17	0.052	(0.229)	0.046	0.005
212	17.67	0.17	0.052	(0.228)	0.046	0.005
213	17.75	0.17	0.052	(0.227)	0.046	0.005
214	17.83	0.13	0.041	(0.225)	0.037	0.004
215	17.92	0.13	0.041	(0.224)	0.037	0.004
216	18.00	0.13	0.041	(0.223)	0.037	0.004
217	18.08	0.13	0.041	(0.222)	0.037	0.004
218	18.17	0.13	0.041	(0.221)	0.037	0.004
219	18.25	0.13	0.041	(0.220)	0.037	0.004
220	18.33	0.13	0.041	(0.219)	0.037	0.004
221	18.42	0.13	0.041	(0.218)	0.037	0.004
222	18.50	0.13	0.041	(0.217)	0.037	0.004
223	18.58	0.10	0.031	(0.216)	0.028	0.003
224	18.67	0.10	0.031	(0.215)	0.028	0.003
225	18.75	0.10	0.031	(0.214)	0.028	0.003
226	18.83	0.07	0.021	(0.213)	0.019	0.002
227	18.92	0.07	0.021	(0.212)	0.019	0.002
228	19.00	0.07	0.021	(0.211)	0.019	0.002
229	19.08	0.10	0.031	(0.210)	0.028	0.003
230	19.17	0.10	0.031	(0.209)	0.028	0.003
231	19.25	0.10	0.031	(0.208)	0.028	0.003
232	19.33	0.13	0.041	(0.207)	0.037	0.004
233	19.42	0.13	0.041	(0.206)	0.037	0.004
234	19.50	0.13	0.041	(0.205)	0.037	0.004
235	19.58	0.10	0.031	(0.204)	0.028	0.003
236	19.67	0.10	0.031	(0.203)	0.028	0.003
237	19.75	0.10	0.031	(0.202)	0.028	0.003
238	19.83	0.07	0.021	(0.201)	0.019	0.002
239	19.92	0.07	0.021	(0.200)	0.019	0.002
240	20.00	0.07	0.021	(0.199)	0.019	0.002
241	20.08	0.10	0.031	(0.198)	0.028	0.003
242	20.17	0.10	0.031	(0.197)	0.028	0.003

243	20.25	0.10	0.031	(0.197)	0.028	0.003
244	20.33	0.10	0.031	(0.196)	0.028	0.003
245	20.42	0.10	0.031	(0.195)	0.028	0.003
246	20.50	0.10	0.031	(0.194)	0.028	0.003
247	20.58	0.10	0.031	(0.193)	0.028	0.003
248	20.67	0.10	0.031	(0.192)	0.028	0.003
249	20.75	0.10	0.031	(0.192)	0.028	0.003
250	20.83	0.07	0.021	(0.191)	0.019	0.002
251	20.92	0.07	0.021	(0.190)	0.019	0.002
252	21.00	0.07	0.021	(0.189)	0.019	0.002
253	21.08	0.10	0.031	(0.189)	0.028	0.003
254	21.17	0.10	0.031	(0.188)	0.028	0.003
255	21.25	0.10	0.031	(0.187)	0.028	0.003
256	21.33	0.07	0.021	(0.186)	0.019	0.002
257	21.42	0.07	0.021	(0.186)	0.019	0.002
258	21.50	0.07	0.021	(0.185)	0.019	0.002
259	21.58	0.10	0.031	(0.184)	0.028	0.003
260	21.67	0.10	0.031	(0.184)	0.028	0.003
261	21.75	0.10	0.031	(0.183)	0.028	0.003
262	21.83	0.07	0.021	(0.182)	0.019	0.002
263	21.92	0.07	0.021	(0.182)	0.019	0.002
264	22.00	0.07	0.021	(0.181)	0.019	0.002
265	22.08	0.10	0.031	(0.181)	0.028	0.003
266	22.17	0.10	0.031	(0.180)	0.028	0.003
267	22.25	0.10	0.031	(0.179)	0.028	0.003
268	22.33	0.07	0.021	(0.179)	0.019	0.002
269	22.42	0.07	0.021	(0.178)	0.019	0.002
270	22.50	0.07	0.021	(0.178)	0.019	0.002
271	22.58	0.07	0.021	(0.177)	0.019	0.002
272	22.67	0.07	0.021	(0.177)	0.019	0.002
273	22.75	0.07	0.021	(0.176)	0.019	0.002
274	22.83	0.07	0.021	(0.176)	0.019	0.002
275	22.92	0.07	0.021	(0.175)	0.019	0.002
276	23.00	0.07	0.021	(0.175)	0.019	0.002
277	23.08	0.07	0.021	(0.175)	0.019	0.002
278	23.17	0.07	0.021	(0.174)	0.019	0.002
279	23.25	0.07	0.021	(0.174)	0.019	0.002
280	23.33	0.07	0.021	(0.173)	0.019	0.002
281	23.42	0.07	0.021	(0.173)	0.019	0.002
282	23.50	0.07	0.021	(0.173)	0.019	0.002
283	23.58	0.07	0.021	(0.173)	0.019	0.002
284	23.67	0.07	0.021	(0.172)	0.019	0.002
285	23.75	0.07	0.021	(0.172)	0.019	0.002
286	23.83	0.07	0.021	(0.172)	0.019	0.002
287	23.92	0.07	0.021	(0.172)	0.019	0.002
288	24.00	0.07	0.021	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.2

Flood volume = Effective rainfall 0.27(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 2.31(In)
 Total soil loss = 0.590(Ac.Ft)
 Total rainfall = 2.58(In)
 Flood volume = 2968.5 Cubic Feet
 Total soil loss = 25702.2 Cubic Feet

Peak flow rate of this hydrograph = 0.171(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.01	Q				
0+20	0.0001	0.01	Q				
0+25	0.0002	0.01	Q				
0+30	0.0003	0.01	Q				
0+35	0.0003	0.01	Q				
0+40	0.0004	0.01	Q				
0+45	0.0005	0.01	Q				
0+50	0.0005	0.01	Q				
0+55	0.0006	0.01	Q				
1+ 0	0.0007	0.01	Q				
1+ 5	0.0008	0.01	Q				
1+10	0.0008	0.01	Q				
1+15	0.0009	0.01	Q				
1+20	0.0010	0.01	Q				
1+25	0.0010	0.01	Q				
1+30	0.0011	0.01	Q				
1+35	0.0012	0.01	Q				
1+40	0.0012	0.01	Q				
1+45	0.0013	0.01	Q				
1+50	0.0014	0.01	Q				
1+55	0.0015	0.01	Q				
2+ 0	0.0015	0.01	Q				
2+ 5	0.0016	0.01	Q				
2+10	0.0017	0.01	QV				
2+15	0.0018	0.01	QV				
2+20	0.0019	0.01	QV				
2+25	0.0020	0.01	QV				
2+30	0.0021	0.01	QV				
2+35	0.0022	0.01	QV				
2+40	0.0023	0.02	QV				
2+45	0.0024	0.02	QV				

2+50	0.0025	0.02	QV
2+55	0.0026	0.02	QV
3+ 0	0.0027	0.02	QV
3+ 5	0.0028	0.02	QV
3+10	0.0029	0.02	QV
3+15	0.0030	0.02	QV
3+20	0.0031	0.02	QV
3+25	0.0033	0.02	QV
3+30	0.0034	0.02	QV
3+35	0.0035	0.02	Q V
3+40	0.0036	0.02	Q V
3+45	0.0037	0.02	Q V
3+50	0.0038	0.02	Q V
3+55	0.0039	0.02	Q V
4+ 0	0.0041	0.02	Q V
4+ 5	0.0042	0.02	Q V
4+10	0.0043	0.02	Q V
4+15	0.0045	0.02	Q V
4+20	0.0046	0.02	Q V
4+25	0.0047	0.02	Q V
4+30	0.0049	0.02	Q V
4+35	0.0050	0.02	Q V
4+40	0.0052	0.02	Q V
4+45	0.0054	0.02	Q V
4+50	0.0055	0.02	Q V
4+55	0.0057	0.02	Q V
5+ 0	0.0059	0.03	Q V
5+ 5	0.0060	0.02	Q V
5+10	0.0062	0.02	Q V
5+15	0.0063	0.02	Q V
5+20	0.0064	0.02	Q V
5+25	0.0066	0.02	Q V
5+30	0.0067	0.02	Q V
5+35	0.0069	0.02	Q V
5+40	0.0071	0.02	Q V
5+45	0.0072	0.03	Q V
5+50	0.0074	0.03	Q V
5+55	0.0076	0.03	Q V
6+ 0	0.0078	0.03	Q V
6+ 5	0.0079	0.03	Q V
6+10	0.0081	0.03	Q V
6+15	0.0083	0.03	Q V
6+20	0.0085	0.03	Q V
6+25	0.0087	0.03	Q V
6+30	0.0089	0.03	Q V
6+35	0.0091	0.03	Q V
6+40	0.0093	0.03	Q V
6+45	0.0096	0.03	Q V
6+50	0.0098	0.03	Q V
6+55	0.0100	0.03	Q V

7+ 0	0.0102	0.03	Q	V				
7+ 5	0.0104	0.03	Q	V				
7+10	0.0107	0.03	Q	V				
7+15	0.0109	0.03	Q	V				
7+20	0.0111	0.03	Q	V				
7+25	0.0113	0.03	Q	V				
7+30	0.0116	0.03	Q	V				
7+35	0.0118	0.04	Q	V				
7+40	0.0121	0.04	Q	V				
7+45	0.0123	0.04	Q	V				
7+50	0.0126	0.04	Q	V				
7+55	0.0129	0.04	Q	V				
8+ 0	0.0132	0.04	Q	V				
8+ 5	0.0135	0.04	Q	V				
8+10	0.0138	0.05	Q	V				
8+15	0.0141	0.05	Q	V				
8+20	0.0144	0.05	Q	V				
8+25	0.0148	0.05	Q	V				
8+30	0.0151	0.05	Q	V				
8+35	0.0154	0.05	Q	V				
8+40	0.0158	0.05	Q	V				
8+45	0.0161	0.05	Q	V				
8+50	0.0165	0.05	Q	V				
8+55	0.0168	0.05	Q	V				
9+ 0	0.0172	0.05	Q	V				
9+ 5	0.0176	0.06	Q	V				
9+10	0.0180	0.06	Q	V				
9+15	0.0184	0.06	Q	V				
9+20	0.0188	0.06	Q	V				
9+25	0.0193	0.06	Q	V				
9+30	0.0197	0.06	Q	V				
9+35	0.0202	0.06	Q	V				
9+40	0.0206	0.07	Q	V				
9+45	0.0211	0.07	Q	V				
9+50	0.0215	0.07	Q	V				
9+55	0.0220	0.07	Q	V				
10+ 0	0.0225	0.07	Q	V				
10+ 5	0.0229	0.06	Q	V				
10+10	0.0233	0.05	Q	V				
10+15	0.0236	0.05	Q	V				
10+20	0.0240	0.05	Q	V				
10+25	0.0243	0.05	Q	V				
10+30	0.0246	0.05	Q	V				
10+35	0.0250	0.05	Q	V				
10+40	0.0254	0.06	Q	V				
10+45	0.0258	0.06	Q	V				
10+50	0.0263	0.06	Q	V				
10+55	0.0267	0.06	Q	V				
11+ 0	0.0271	0.06	Q	V				
11+ 5	0.0276	0.06	Q	V				

11+10	0.0280	0.06	Q	V			
11+15	0.0284	0.06	Q	V			
11+20	0.0288	0.06	Q	V			
11+25	0.0293	0.06	Q	V			
11+30	0.0297	0.06	Q	V			
11+35	0.0301	0.06	Q	V			
11+40	0.0305	0.06	Q	V			
11+45	0.0308	0.05	Q	V			
11+50	0.0312	0.06	Q	V			
11+55	0.0316	0.06	Q	V			
12+ 0	0.0320	0.06	Q	V			
12+ 5	0.0324	0.06	Q	V			
12+10	0.0330	0.07	Q	V			
12+15	0.0335	0.08	Q	V			
12+20	0.0340	0.08	Q	V			
12+25	0.0346	0.08	Q	V			
12+30	0.0352	0.08	Q	V			
12+35	0.0357	0.08	Q	V			
12+40	0.0363	0.09	Q	V			
12+45	0.0370	0.09	Q	V			
12+50	0.0376	0.09	Q	V			
12+55	0.0382	0.09	Q	V			
13+ 0	0.0388	0.09	Q	V			
13+ 5	0.0396	0.11	Q	V			
13+10	0.0406	0.14	Q	V			
13+15	0.0416	0.15	Q	V			
13+20	0.0427	0.16	Q	V			
13+25	0.0438	0.17	Q	V			
13+30	0.0450	0.17	Q	V			
13+35	0.0460	0.14	Q	V			
13+40	0.0467	0.10	Q	V			
13+45	0.0472	0.08	Q	V			
13+50	0.0478	0.08	Q	V			
13+55	0.0483	0.08	Q	V			
14+ 0	0.0488	0.07	Q	V			
14+ 5	0.0493	0.08	Q	V			
14+10	0.0499	0.08	Q	V			
14+15	0.0505	0.08	Q	V			
14+20	0.0511	0.08	Q	V			
14+25	0.0517	0.08	Q	V			
14+30	0.0522	0.08	Q	V			
14+35	0.0528	0.08	Q	V			
14+40	0.0534	0.08	Q	V			
14+45	0.0539	0.08	Q	V			
14+50	0.0545	0.08	Q	V			
14+55	0.0551	0.08	Q	V			
15+ 0	0.0556	0.08	Q	V			
15+ 5	0.0562	0.08	Q	V			
15+10	0.0567	0.08	Q	V			
15+15	0.0572	0.08	Q	V			

15+20	0.0577	0.08	Q				V
15+25	0.0582	0.07	Q				V
15+30	0.0588	0.07	Q				V
15+35	0.0592	0.07	Q				V
15+40	0.0597	0.06	Q				V
15+45	0.0601	0.06	Q				V
15+50	0.0605	0.06	Q				V
15+55	0.0609	0.06	Q				V
16+ 0	0.0614	0.06	Q				V
16+ 5	0.0617	0.05	Q				V
16+10	0.0618	0.02	Q				V
16+15	0.0620	0.02	Q				V
16+20	0.0621	0.02	Q				V
16+25	0.0622	0.01	Q				V
16+30	0.0623	0.01	Q				V
16+35	0.0623	0.01	Q				V
16+40	0.0624	0.01	Q				V
16+45	0.0625	0.01	Q				V
16+50	0.0625	0.01	Q				V
16+55	0.0626	0.01	Q				V
17+ 0	0.0627	0.01	Q				V
17+ 5	0.0628	0.01	Q				V
17+10	0.0629	0.01	Q				V
17+15	0.0630	0.02	Q				V
17+20	0.0631	0.02	Q				V
17+25	0.0632	0.02	Q				V
17+30	0.0633	0.02	Q				V
17+35	0.0634	0.02	Q				V
17+40	0.0635	0.02	Q				V
17+45	0.0636	0.02	Q				V
17+50	0.0637	0.02	Q				V
17+55	0.0638	0.01	Q				V
18+ 0	0.0639	0.01	Q				V
18+ 5	0.0640	0.01	Q				V
18+10	0.0641	0.01	Q				V
18+15	0.0642	0.01	Q				V
18+20	0.0643	0.01	Q				V
18+25	0.0643	0.01	Q				V
18+30	0.0644	0.01	Q				V
18+35	0.0645	0.01	Q				V
18+40	0.0646	0.01	Q				V
18+45	0.0646	0.01	Q				V
18+50	0.0647	0.01	Q				V
18+55	0.0648	0.01	Q				V
19+ 0	0.0648	0.01	Q				V
19+ 5	0.0649	0.01	Q				V
19+10	0.0649	0.01	Q				V
19+15	0.0650	0.01	Q				V
19+20	0.0651	0.01	Q				V
19+25	0.0651	0.01	Q				V

19+30	0.0652	0.01	Q				V
19+35	0.0653	0.01	Q				V
19+40	0.0654	0.01	Q				V
19+45	0.0654	0.01	Q				V
19+50	0.0655	0.01	Q				V
19+55	0.0655	0.01	Q				V
20+ 0	0.0656	0.01	Q				V
20+ 5	0.0656	0.01	Q				V
20+10	0.0657	0.01	Q				V
20+15	0.0658	0.01	Q				V
20+20	0.0658	0.01	Q				V
20+25	0.0659	0.01	Q				V
20+30	0.0660	0.01	Q				V
20+35	0.0660	0.01	Q				V
20+40	0.0661	0.01	Q				V
20+45	0.0662	0.01	Q				V
20+50	0.0662	0.01	Q				V
20+55	0.0663	0.01	Q				V
21+ 0	0.0663	0.01	Q				V
21+ 5	0.0664	0.01	Q				V
21+10	0.0664	0.01	Q				V
21+15	0.0665	0.01	Q				V
21+20	0.0666	0.01	Q				V
21+25	0.0666	0.01	Q				V
21+30	0.0666	0.01	Q				V
21+35	0.0667	0.01	Q				V
21+40	0.0668	0.01	Q				V
21+45	0.0668	0.01	Q				V
21+50	0.0669	0.01	Q				V
21+55	0.0669	0.01	Q				V
22+ 0	0.0670	0.01	Q				V
22+ 5	0.0670	0.01	Q				V
22+10	0.0671	0.01	Q				V
22+15	0.0672	0.01	Q				V
22+20	0.0672	0.01	Q				V
22+25	0.0673	0.01	Q				V
22+30	0.0673	0.01	Q				V
22+35	0.0674	0.01	Q				V
22+40	0.0674	0.01	Q				V
22+45	0.0674	0.01	Q				V
22+50	0.0675	0.01	Q				V
22+55	0.0675	0.01	Q				V
23+ 0	0.0676	0.01	Q				V
23+ 5	0.0676	0.01	Q				V
23+10	0.0677	0.01	Q				V
23+15	0.0677	0.01	Q				V
23+20	0.0677	0.01	Q				V
23+25	0.0678	0.01	Q				V
23+30	0.0678	0.01	Q				V
23+35	0.0679	0.01	Q				V

23+40	0.0679	0.01	Q				V
23+45	0.0680	0.01	Q				V
23+50	0.0680	0.01	Q				V
23+55	0.0681	0.01	Q				V
24+ 0	0.0681	0.01	Q				V
24+ 5	0.0681	0.00	Q				V
24+10	0.0681	0.00	Q				V
24+15	0.0681	0.00	Q				V
24+20	0.0681	0.00	Q				V
24+25	0.0681	0.00	Q				V
24+30	0.0681	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda365.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	0.883
2	0.167	264.555	1.486
3	0.250	396.832	0.380
4	0.333	529.109	0.170
5	0.417	661.387	0.093
6	0.500	793.664	0.050
7	0.583	925.941	0.022
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.343)	0.080	0.009
2	0.17	0.60	0.107	(0.343)	0.096	0.011
3	0.25	0.60	0.107	(0.343)	0.096	0.011
4	0.33	0.60	0.107	(0.343)	0.096	0.011
5	0.42	0.60	0.107	(0.343)	0.096	0.011
6	0.50	0.70	0.125	(0.343)	0.112	0.012
7	0.58	0.70	0.125	(0.343)	0.112	0.012
8	0.67	0.70	0.125	(0.343)	0.112	0.012
9	0.75	0.70	0.125	(0.343)	0.112	0.012
10	0.83	0.70	0.125	(0.343)	0.112	0.012
11	0.92	0.70	0.125	(0.343)	0.112	0.012
12	1.00	0.80	0.143	(0.343)	0.128	0.014
13	1.08	0.80	0.143	(0.343)	0.128	0.014
14	1.17	0.80	0.143	(0.343)	0.128	0.014
15	1.25	0.80	0.143	(0.343)	0.128	0.014
16	1.33	0.80	0.143	(0.343)	0.128	0.014
17	1.42	0.80	0.143	(0.343)	0.128	0.014
18	1.50	0.80	0.143	(0.343)	0.128	0.014
19	1.58	0.80	0.143	(0.343)	0.128	0.014
20	1.67	0.80	0.143	(0.343)	0.128	0.014
21	1.75	0.80	0.143	(0.343)	0.128	0.014
22	1.83	0.80	0.143	(0.343)	0.128	0.014
23	1.92	0.80	0.143	(0.343)	0.128	0.014
24	2.00	0.90	0.160	(0.343)	0.144	0.016
25	2.08	0.80	0.143	(0.343)	0.128	0.014
26	2.17	0.90	0.160	(0.343)	0.144	0.016
27	2.25	0.90	0.160	(0.343)	0.144	0.016
28	2.33	0.90	0.160	(0.343)	0.144	0.016
29	2.42	0.90	0.160	(0.343)	0.144	0.016
30	2.50	0.90	0.160	(0.343)	0.144	0.016
31	2.58	0.90	0.160	(0.343)	0.144	0.016
32	2.67	0.90	0.160	(0.343)	0.144	0.016
33	2.75	1.00	0.178	(0.343)	0.160	0.018
34	2.83	1.00	0.178	(0.343)	0.160	0.018
35	2.92	1.00	0.178	(0.343)	0.160	0.018
36	3.00	1.00	0.178	(0.343)	0.160	0.018
37	3.08	1.00	0.178	(0.343)	0.160	0.018
38	3.17	1.10	0.196	(0.343)	0.177	0.020
39	3.25	1.10	0.196	(0.343)	0.177	0.020
40	3.33	1.10	0.196	(0.343)	0.177	0.020
41	3.42	1.20	0.214	(0.343)	0.193	0.021
42	3.50	1.30	0.232	(0.343)	0.209	0.023

43	3.58	1.40	0.250	(0.343)	0.225	0.025
44	3.67	1.40	0.250	(0.343)	0.225	0.025
45	3.75	1.50	0.267	(0.343)	0.241	0.027
46	3.83	1.50	0.267	(0.343)	0.241	0.027
47	3.92	1.60	0.285	(0.343)	0.257	0.029
48	4.00	1.60	0.285	(0.343)	0.257	0.029
49	4.08	1.70	0.303	(0.343)	0.273	0.030
50	4.17	1.80	0.321	(0.343)	0.289	0.032
51	4.25	1.90	0.339	(0.343)	0.305	0.034
52	4.33	2.00	0.357	(0.343)	0.321	0.036
53	4.42	2.10	0.374	(0.343)	0.337	0.037
54	4.50	2.10	0.374	(0.343)	0.337	0.037
55	4.58	2.20	0.392	0.343 (0.353)		0.049
56	4.67	2.30	0.410	0.343 (0.369)		0.067
57	4.75	2.40	0.428	0.343 (0.385)		0.085
58	4.83	2.40	0.428	0.343 (0.385)		0.085
59	4.92	2.50	0.446	0.343 (0.401)		0.103
60	5.00	2.60	0.464	0.343 (0.417)		0.121
61	5.08	3.10	0.553	0.343 (0.498)		0.210
62	5.17	3.60	0.642	0.343 (0.578)		0.299
63	5.25	3.90	0.695	0.343 (0.626)		0.352
64	5.33	4.20	0.749	0.343 (0.674)		0.406
65	5.42	4.70	0.838	0.343 (0.754)		0.495
66	5.50	5.60	0.999	0.343 (0.899)		0.655
67	5.58	1.90	0.339	(0.343)	0.305	0.034
68	5.67	0.90	0.160	(0.343)	0.144	0.016
69	5.75	0.60	0.107	(0.343)	0.096	0.011
70	5.83	0.50	0.089	(0.343)	0.080	0.009
71	5.92	0.30	0.053	(0.343)	0.048	0.005
72	6.00	0.20	0.036	(0.343)	0.032	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.0

Flood volume = Effective rainfall 0.33(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 1.15(In)
Total soil loss = 0.294(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 3707.3 Cubic Feet
Total soil loss = 12799.0 Cubic Feet

Peak flow rate of this hydrograph = 1.570(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0001	0.01	Q		
0+10	0.0002	0.02	Q		
0+15	0.0004	0.03	Q		
0+20	0.0006	0.03	Q		
0+25	0.0008	0.03	Q		
0+30	0.0011	0.03	Q		
0+35	0.0013	0.04	Q		
0+40	0.0016	0.04	Q		
0+45	0.0019	0.04	Q		
0+50	0.0021	0.04	Q		
0+55	0.0024	0.04	QV		
1+ 0	0.0027	0.04	QV		
1+ 5	0.0030	0.04	QV		
1+10	0.0033	0.04	QV		
1+15	0.0036	0.04	QV		
1+20	0.0039	0.04	QV		
1+25	0.0042	0.04	QV		
1+30	0.0045	0.04	Q V		
1+35	0.0048	0.04	Q V		
1+40	0.0051	0.04	Q V		
1+45	0.0054	0.04	Q V		
1+50	0.0057	0.04	Q V		
1+55	0.0060	0.04	Q V		
2+ 0	0.0063	0.05	Q V		
2+ 5	0.0066	0.05	Q V		
2+10	0.0069	0.05	Q V		
2+15	0.0073	0.05	Q V		
2+20	0.0076	0.05	Q V		
2+25	0.0079	0.05	Q V		
2+30	0.0083	0.05	Q V		
2+35	0.0086	0.05	Q V		
2+40	0.0090	0.05	Q V		
2+45	0.0093	0.05	Q V		
2+50	0.0097	0.05	Q V		
2+55	0.0101	0.05	Q V		
3+ 0	0.0104	0.05	Q V		
3+ 5	0.0108	0.05	Q V		
3+10	0.0112	0.06	Q V		
3+15	0.0116	0.06	Q V		
3+20	0.0120	0.06	Q V		
3+25	0.0125	0.06	Q V		
3+30	0.0129	0.07	Q V		
3+35	0.0134	0.07	Q V		
3+40	0.0139	0.07	Q V		
3+45	0.0145	0.08	Q V		
3+50	0.0150	0.08	Q V		
3+55	0.0156	0.08	Q V		
4+ 0	0.0162	0.09	Q V		
4+ 5	0.0168	0.09	Q V		

4+10	0.0174	0.09	Q	V					
4+15	0.0181	0.10	Q	V					
4+20	0.0188	0.10	Q	V					
4+25	0.0196	0.11	Q	V					
4+30	0.0204	0.11	Q	V					
4+35	0.0212	0.12	Q	V					
4+40	0.0223	0.16	Q	V					
4+45	0.0237	0.21	Q		V				
4+50	0.0254	0.24	Q		V				
4+55	0.0272	0.27	Q		V				
5+ 0	0.0294	0.32	Q		V				
5+ 5	0.0324	0.43	Q		V				
5+10	0.0369	0.65	Q		V				
5+15	0.0429	0.87	Q			V			
5+20	0.0501	1.05	Q			V			
5+25	0.0587	1.25	Q				V		
5+30	0.0695	1.57	Q					V	
5+35	0.0786	1.31	Q					V	
5+40	0.0818	0.46	Q					V	
5+45	0.0834	0.23	Q					V	
5+50	0.0843	0.13	Q					V	
5+55	0.0847	0.07	Q					V	
6+ 0	0.0850	0.03	Q					V	
6+ 5	0.0851	0.01	Q					V	
6+10	0.0851	0.00	Q					V	
6+15	0.0851	0.00	Q					V	
6+20	0.0851	0.00	Q					V	
6+25	0.0851	0.00	Q					V	
6+30	0.0851	0.00	Q					V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda335.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.343)	0.152	0.017
2	0.17	1.30	0.169	(0.343)	0.152	0.017
3	0.25	1.10	0.143	(0.343)	0.129	0.014
4	0.33	1.50	0.195	(0.343)	0.176	0.020
5	0.42	1.50	0.195	(0.343)	0.176	0.020
6	0.50	1.80	0.234	(0.343)	0.211	0.023
7	0.58	1.50	0.195	(0.343)	0.176	0.020
8	0.67	1.80	0.234	(0.343)	0.211	0.023
9	0.75	1.80	0.234	(0.343)	0.211	0.023
10	0.83	1.50	0.195	(0.343)	0.176	0.020
11	0.92	1.60	0.208	(0.343)	0.187	0.021
12	1.00	1.80	0.234	(0.343)	0.211	0.023
13	1.08	2.20	0.286	(0.343)	0.258	0.029
14	1.17	2.20	0.286	(0.343)	0.258	0.029
15	1.25	2.20	0.286	(0.343)	0.258	0.029
16	1.33	2.00	0.260	(0.343)	0.234	0.026
17	1.42	2.60	0.338	(0.343)	0.305	0.034
18	1.50	2.70	0.351	(0.343)	0.316	0.035
19	1.58	2.40	0.312	(0.343)	0.281	0.031
20	1.67	2.70	0.351	(0.343)	0.316	0.035
21	1.75	3.30	0.430	0.343	(0.387)	0.086
22	1.83	3.10	0.404	0.343	(0.363)	0.060
23	1.92	2.90	0.377	(0.343)	0.340	0.038
24	2.00	3.00	0.390	0.343	(0.351)	0.047
25	2.08	3.10	0.404	0.343	(0.363)	0.060
26	2.17	4.20	0.547	0.343	(0.492)	0.204
27	2.25	5.00	0.651	0.343	(0.586)	0.308
28	2.33	3.50	0.456	0.343	(0.410)	0.112
29	2.42	6.80	0.885	0.343	(0.797)	0.542
30	2.50	7.30	0.950	0.343	(0.855)	0.607
31	2.58	8.20	1.067	0.343	(0.961)	0.724
32	2.67	5.90	0.768	0.343	(0.691)	0.425
33	2.75	2.00	0.260	(0.343)	0.234	0.026
34	2.83	1.80	0.234	(0.343)	0.211	0.023
35	2.92	1.80	0.234	(0.343)	0.211	0.023
36	3.00	0.60	0.078	(0.343)	0.070	0.008

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.8

Flood volume = Effective rainfall 0.32(In)

times area 3.1(Ac.)/[((In)/(Ft.))] = 0.1(Ac.Ft)

Total soil loss = 0.77(In)

Total soil loss = 0.196(Ac.Ft)

Total rainfall = 1.08(In)
 Flood volume = 3501.8 Cubic Feet
 Total soil loss = 8546.9 Cubic Feet

 Peak flow rate of this hydrograph = 1.808(CFS)

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 3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0004		0.04	Q				
0+15	0.0007		0.04	Q				
0+20	0.0010		0.05	Q				
0+25	0.0014		0.06	Q				
0+30	0.0018		0.06	Q				
0+35	0.0023		0.07	QV				
0+40	0.0027		0.06	QV				
0+45	0.0032		0.07	QV				
0+50	0.0037		0.07	QV				
0+55	0.0041		0.06	Q V				
1+ 0	0.0046		0.07	Q V				
1+ 5	0.0051		0.08	Q V				
1+10	0.0057		0.08	Q V				
1+15	0.0063		0.09	Q V				
1+20	0.0068		0.08	Q V				
1+25	0.0075		0.09	Q V				
1+30	0.0082		0.10	Q V				
1+35	0.0089		0.10	Q V				
1+40	0.0095		0.10	Q V				
1+45	0.0106		0.15	Q V				
1+50	0.0120		0.21	Q V				
1+55	0.0132		0.17	Q V				
2+ 0	0.0141		0.14	Q V				
2+ 5	0.0152		0.16	Q V				
2+10	0.0173		0.30	Q V				
2+15	0.0216		0.61	Q V				
2+20	0.0260		0.65	Q V				
2+25	0.0316		0.81	Q V				
2+30	0.0417		1.46	Q V				
2+35	0.0541		1.81	Q V				
2+40	0.0665		1.81	Q V				
2+45	0.0741		1.10	Q V				
2+50	0.0771		0.43	Q V				
2+55	0.0788		0.25	Q V				

3+ 0	0.0797	0.14	Q				V
3+ 5	0.0802	0.06	Q				V
3+10	0.0803	0.02	Q				V
3+15	0.0804	0.01	Q				V
3+20	0.0804	0.00	Q				V
3+25	0.0804	0.00	Q				V
3+30	0.0804	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda315.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
			0.883
			1.486
			0.380
			0.170
			0.093
			0.050

7	0.583	925.941	0.725	0.022
			Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max Low	Effective (In/Hr)
1	0.08	4.20	0.327	(0.343) 0.294	0.033
2	0.17	4.30	0.335	(0.343) 0.301	0.033
3	0.25	5.00	0.389	0.343 (0.350)	0.046
4	0.33	5.00	0.389	0.343 (0.350)	0.046
5	0.42	5.80	0.452	0.343 (0.406)	0.108
6	0.50	6.50	0.506	0.343 (0.455)	0.163
7	0.58	7.40	0.576	0.343 (0.519)	0.233
8	0.67	8.60	0.670	0.343 (0.603)	0.326
9	0.75	12.30	0.958	0.343 (0.862)	0.615
10	0.83	29.10	2.266	0.343 (2.039)	1.923
11	0.92	6.80	0.529	0.343 (0.476)	0.186
12	1.00	5.00	0.389	0.343 (0.350)	0.046

(Loss Rate Not Used)

Sum =	100.0	Sum =	3.8

Flood volume = Effective rainfall 0.31(In)
times area 3.1(Ac.)/[((In)/(Ft.))] = 0.1(Ac.Ft)
Total soil loss = 0.34(In)
Total soil loss = 0.086(Ac.Ft)
Total rainfall = 0.65(In)
Flood volume = 3479.4 Cubic Feet
Total soil loss = 3727.4 Cubic Feet

Peak flow rate of this hydrograph = 3.343(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0007	0.08	Q				
0+15	0.0014	0.10	Q				
0+20	0.0023	0.13	QV				
0+25	0.0036	0.19	QV				
0+30	0.0059	0.34	QV				
0+35	0.0094	0.50	Q V				

0+40	0.0144	0.72	Q	V				
0+45	0.0224	1.16		Q	V			
0+50	0.0416	2.80			Q	V		
0+55	0.0647	3.34			Q		V	
1+ 0	0.0729	1.20		Q			V	
1+ 5	0.0767	0.54	Q				V	
1+10	0.0785	0.27	Q				V	
1+15	0.0794	0.14	Q				V	
1+20	0.0798	0.06	Q				V	
1+25	0.0799	0.01	Q				V	
1+30	0.0799	0.00	Q				V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda3242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.608)	0.014	0.002
2	0.17	0.07	0.015	(0.606)	0.014	0.002
3	0.25	0.07	0.015	(0.604)	0.014	0.002
4	0.33	0.10	0.023	(0.601)	0.021	0.002
5	0.42	0.10	0.023	(0.599)	0.021	0.002
6	0.50	0.10	0.023	(0.597)	0.021	0.002
7	0.58	0.10	0.023	(0.594)	0.021	0.002
8	0.67	0.10	0.023	(0.592)	0.021	0.002
9	0.75	0.10	0.023	(0.590)	0.021	0.002
10	0.83	0.13	0.031	(0.587)	0.028	0.003
11	0.92	0.13	0.031	(0.585)	0.028	0.003
12	1.00	0.13	0.031	(0.583)	0.028	0.003
13	1.08	0.10	0.023	(0.580)	0.021	0.002
14	1.17	0.10	0.023	(0.578)	0.021	0.002
15	1.25	0.10	0.023	(0.576)	0.021	0.002
16	1.33	0.10	0.023	(0.573)	0.021	0.002
17	1.42	0.10	0.023	(0.571)	0.021	0.002
18	1.50	0.10	0.023	(0.569)	0.021	0.002
19	1.58	0.10	0.023	(0.567)	0.021	0.002
20	1.67	0.10	0.023	(0.564)	0.021	0.002
21	1.75	0.10	0.023	(0.562)	0.021	0.002
22	1.83	0.13	0.031	(0.560)	0.028	0.003
23	1.92	0.13	0.031	(0.558)	0.028	0.003
24	2.00	0.13	0.031	(0.555)	0.028	0.003
25	2.08	0.13	0.031	(0.553)	0.028	0.003
26	2.17	0.13	0.031	(0.551)	0.028	0.003
27	2.25	0.13	0.031	(0.549)	0.028	0.003
28	2.33	0.13	0.031	(0.546)	0.028	0.003
29	2.42	0.13	0.031	(0.544)	0.028	0.003
30	2.50	0.13	0.031	(0.542)	0.028	0.003
31	2.58	0.17	0.039	(0.540)	0.035	0.004
32	2.67	0.17	0.039	(0.537)	0.035	0.004
33	2.75	0.17	0.039	(0.535)	0.035	0.004
34	2.83	0.17	0.039	(0.533)	0.035	0.004
35	2.92	0.17	0.039	(0.531)	0.035	0.004
36	3.00	0.17	0.039	(0.529)	0.035	0.004
37	3.08	0.17	0.039	(0.526)	0.035	0.004
38	3.17	0.17	0.039	(0.524)	0.035	0.004
39	3.25	0.17	0.039	(0.522)	0.035	0.004
40	3.33	0.17	0.039	(0.520)	0.035	0.004
41	3.42	0.17	0.039	(0.518)	0.035	0.004
42	3.50	0.17	0.039	(0.516)	0.035	0.004

43	3.58	0.17	0.039	(0.513)	0.035	0.004
44	3.67	0.17	0.039	(0.511)	0.035	0.004
45	3.75	0.17	0.039	(0.509)	0.035	0.004
46	3.83	0.20	0.046	(0.507)	0.042	0.005
47	3.92	0.20	0.046	(0.505)	0.042	0.005
48	4.00	0.20	0.046	(0.503)	0.042	0.005
49	4.08	0.20	0.046	(0.501)	0.042	0.005
50	4.17	0.20	0.046	(0.498)	0.042	0.005
51	4.25	0.20	0.046	(0.496)	0.042	0.005
52	4.33	0.23	0.054	(0.494)	0.049	0.005
53	4.42	0.23	0.054	(0.492)	0.049	0.005
54	4.50	0.23	0.054	(0.490)	0.049	0.005
55	4.58	0.23	0.054	(0.488)	0.049	0.005
56	4.67	0.23	0.054	(0.486)	0.049	0.005
57	4.75	0.23	0.054	(0.484)	0.049	0.005
58	4.83	0.27	0.062	(0.482)	0.056	0.006
59	4.92	0.27	0.062	(0.480)	0.056	0.006
60	5.00	0.27	0.062	(0.477)	0.056	0.006
61	5.08	0.20	0.046	(0.475)	0.042	0.005
62	5.17	0.20	0.046	(0.473)	0.042	0.005
63	5.25	0.20	0.046	(0.471)	0.042	0.005
64	5.33	0.23	0.054	(0.469)	0.049	0.005
65	5.42	0.23	0.054	(0.467)	0.049	0.005
66	5.50	0.23	0.054	(0.465)	0.049	0.005
67	5.58	0.27	0.062	(0.463)	0.056	0.006
68	5.67	0.27	0.062	(0.461)	0.056	0.006
69	5.75	0.27	0.062	(0.459)	0.056	0.006
70	5.83	0.27	0.062	(0.457)	0.056	0.006
71	5.92	0.27	0.062	(0.455)	0.056	0.006
72	6.00	0.27	0.062	(0.453)	0.056	0.006
73	6.08	0.30	0.069	(0.451)	0.063	0.007
74	6.17	0.30	0.069	(0.449)	0.063	0.007
75	6.25	0.30	0.069	(0.447)	0.063	0.007
76	6.33	0.30	0.069	(0.445)	0.063	0.007
77	6.42	0.30	0.069	(0.443)	0.063	0.007
78	6.50	0.30	0.069	(0.441)	0.063	0.007
79	6.58	0.33	0.077	(0.439)	0.069	0.008
80	6.67	0.33	0.077	(0.437)	0.069	0.008
81	6.75	0.33	0.077	(0.435)	0.069	0.008
82	6.83	0.33	0.077	(0.433)	0.069	0.008
83	6.92	0.33	0.077	(0.431)	0.069	0.008
84	7.00	0.33	0.077	(0.429)	0.069	0.008
85	7.08	0.33	0.077	(0.427)	0.069	0.008
86	7.17	0.33	0.077	(0.425)	0.069	0.008
87	7.25	0.33	0.077	(0.423)	0.069	0.008
88	7.33	0.37	0.085	(0.421)	0.076	0.008
89	7.42	0.37	0.085	(0.419)	0.076	0.008
90	7.50	0.37	0.085	(0.417)	0.076	0.008
91	7.58	0.40	0.093	(0.416)	0.083	0.009
92	7.67	0.40	0.093	(0.414)	0.083	0.009

93	7.75	0.40	0.093	(0.412)	0.083	0.009
94	7.83	0.43	0.100	(0.410)	0.090	0.010
95	7.92	0.43	0.100	(0.408)	0.090	0.010
96	8.00	0.43	0.100	(0.406)	0.090	0.010
97	8.08	0.50	0.116	(0.404)	0.104	0.012
98	8.17	0.50	0.116	(0.402)	0.104	0.012
99	8.25	0.50	0.116	(0.400)	0.104	0.012
100	8.33	0.50	0.116	(0.399)	0.104	0.012
101	8.42	0.50	0.116	(0.397)	0.104	0.012
102	8.50	0.50	0.116	(0.395)	0.104	0.012
103	8.58	0.53	0.124	(0.393)	0.111	0.012
104	8.67	0.53	0.124	(0.391)	0.111	0.012
105	8.75	0.53	0.124	(0.389)	0.111	0.012
106	8.83	0.57	0.131	(0.387)	0.118	0.013
107	8.92	0.57	0.131	(0.386)	0.118	0.013
108	9.00	0.57	0.131	(0.384)	0.118	0.013
109	9.08	0.63	0.147	(0.382)	0.132	0.015
110	9.17	0.63	0.147	(0.380)	0.132	0.015
111	9.25	0.63	0.147	(0.378)	0.132	0.015
112	9.33	0.67	0.154	(0.377)	0.139	0.015
113	9.42	0.67	0.154	(0.375)	0.139	0.015
114	9.50	0.67	0.154	(0.373)	0.139	0.015
115	9.58	0.70	0.162	(0.371)	0.146	0.016
116	9.67	0.70	0.162	(0.369)	0.146	0.016
117	9.75	0.70	0.162	(0.368)	0.146	0.016
118	9.83	0.73	0.170	(0.366)	0.153	0.017
119	9.92	0.73	0.170	(0.364)	0.153	0.017
120	10.00	0.73	0.170	(0.362)	0.153	0.017
121	10.08	0.50	0.116	(0.361)	0.104	0.012
122	10.17	0.50	0.116	(0.359)	0.104	0.012
123	10.25	0.50	0.116	(0.357)	0.104	0.012
124	10.33	0.50	0.116	(0.355)	0.104	0.012
125	10.42	0.50	0.116	(0.354)	0.104	0.012
126	10.50	0.50	0.116	(0.352)	0.104	0.012
127	10.58	0.67	0.154	(0.350)	0.139	0.015
128	10.67	0.67	0.154	(0.348)	0.139	0.015
129	10.75	0.67	0.154	(0.347)	0.139	0.015
130	10.83	0.67	0.154	(0.345)	0.139	0.015
131	10.92	0.67	0.154	(0.343)	0.139	0.015
132	11.00	0.67	0.154	(0.342)	0.139	0.015
133	11.08	0.63	0.147	(0.340)	0.132	0.015
134	11.17	0.63	0.147	(0.338)	0.132	0.015
135	11.25	0.63	0.147	(0.337)	0.132	0.015
136	11.33	0.63	0.147	(0.335)	0.132	0.015
137	11.42	0.63	0.147	(0.333)	0.132	0.015
138	11.50	0.63	0.147	(0.332)	0.132	0.015
139	11.58	0.57	0.131	(0.330)	0.118	0.013
140	11.67	0.57	0.131	(0.328)	0.118	0.013
141	11.75	0.57	0.131	(0.327)	0.118	0.013
142	11.83	0.60	0.139	(0.325)	0.125	0.014

143	11.92	0.60	0.139	(0.324)	0.125	0.014
144	12.00	0.60	0.139	(0.322)	0.125	0.014
145	12.08	0.83	0.193	(0.320)	0.174	0.019
146	12.17	0.83	0.193	(0.319)	0.174	0.019
147	12.25	0.83	0.193	(0.317)	0.174	0.019
148	12.33	0.87	0.201	(0.316)	0.181	0.020
149	12.42	0.87	0.201	(0.314)	0.181	0.020
150	12.50	0.87	0.201	(0.312)	0.181	0.020
151	12.58	0.93	0.216	(0.311)	0.195	0.022
152	12.67	0.93	0.216	(0.309)	0.195	0.022
153	12.75	0.93	0.216	(0.308)	0.195	0.022
154	12.83	0.97	0.224	(0.306)	0.201	0.022
155	12.92	0.97	0.224	(0.305)	0.201	0.022
156	13.00	0.97	0.224	(0.303)	0.201	0.022
157	13.08	1.13	0.262	(0.301)	0.236	0.026
158	13.17	1.13	0.262	(0.300)	0.236	0.026
159	13.25	1.13	0.262	(0.298)	0.236	0.026
160	13.33	1.13	0.262	(0.297)	0.236	0.026
161	13.42	1.13	0.262	(0.295)	0.236	0.026
162	13.50	1.13	0.262	(0.294)	0.236	0.026
163	13.58	0.77	0.178	(0.292)	0.160	0.018
164	13.67	0.77	0.178	(0.291)	0.160	0.018
165	13.75	0.77	0.178	(0.289)	0.160	0.018
166	13.83	0.77	0.178	(0.288)	0.160	0.018
167	13.92	0.77	0.178	(0.286)	0.160	0.018
168	14.00	0.77	0.178	(0.285)	0.160	0.018
169	14.08	0.90	0.208	(0.284)	0.188	0.021
170	14.17	0.90	0.208	(0.282)	0.188	0.021
171	14.25	0.90	0.208	(0.281)	0.188	0.021
172	14.33	0.87	0.201	(0.279)	0.181	0.020
173	14.42	0.87	0.201	(0.278)	0.181	0.020
174	14.50	0.87	0.201	(0.276)	0.181	0.020
175	14.58	0.87	0.201	(0.275)	0.181	0.020
176	14.67	0.87	0.201	(0.274)	0.181	0.020
177	14.75	0.87	0.201	(0.272)	0.181	0.020
178	14.83	0.83	0.193	(0.271)	0.174	0.019
179	14.92	0.83	0.193	(0.269)	0.174	0.019
180	15.00	0.83	0.193	(0.268)	0.174	0.019
181	15.08	0.80	0.185	(0.267)	0.167	0.019
182	15.17	0.80	0.185	(0.265)	0.167	0.019
183	15.25	0.80	0.185	(0.264)	0.167	0.019
184	15.33	0.77	0.178	(0.263)	0.160	0.018
185	15.42	0.77	0.178	(0.261)	0.160	0.018
186	15.50	0.77	0.178	(0.260)	0.160	0.018
187	15.58	0.63	0.147	(0.259)	0.132	0.015
188	15.67	0.63	0.147	(0.257)	0.132	0.015
189	15.75	0.63	0.147	(0.256)	0.132	0.015
190	15.83	0.63	0.147	(0.255)	0.132	0.015
191	15.92	0.63	0.147	(0.253)	0.132	0.015
192	16.00	0.63	0.147	(0.252)	0.132	0.015

193	16.08	0.13	0.031	(0.251)	0.028	0.003
194	16.17	0.13	0.031	(0.249)	0.028	0.003
195	16.25	0.13	0.031	(0.248)	0.028	0.003
196	16.33	0.13	0.031	(0.247)	0.028	0.003
197	16.42	0.13	0.031	(0.246)	0.028	0.003
198	16.50	0.13	0.031	(0.244)	0.028	0.003
199	16.58	0.10	0.023	(0.243)	0.021	0.002
200	16.67	0.10	0.023	(0.242)	0.021	0.002
201	16.75	0.10	0.023	(0.241)	0.021	0.002
202	16.83	0.10	0.023	(0.239)	0.021	0.002
203	16.92	0.10	0.023	(0.238)	0.021	0.002
204	17.00	0.10	0.023	(0.237)	0.021	0.002
205	17.08	0.17	0.039	(0.236)	0.035	0.004
206	17.17	0.17	0.039	(0.235)	0.035	0.004
207	17.25	0.17	0.039	(0.233)	0.035	0.004
208	17.33	0.17	0.039	(0.232)	0.035	0.004
209	17.42	0.17	0.039	(0.231)	0.035	0.004
210	17.50	0.17	0.039	(0.230)	0.035	0.004
211	17.58	0.17	0.039	(0.229)	0.035	0.004
212	17.67	0.17	0.039	(0.228)	0.035	0.004
213	17.75	0.17	0.039	(0.227)	0.035	0.004
214	17.83	0.13	0.031	(0.225)	0.028	0.003
215	17.92	0.13	0.031	(0.224)	0.028	0.003
216	18.00	0.13	0.031	(0.223)	0.028	0.003
217	18.08	0.13	0.031	(0.222)	0.028	0.003
218	18.17	0.13	0.031	(0.221)	0.028	0.003
219	18.25	0.13	0.031	(0.220)	0.028	0.003
220	18.33	0.13	0.031	(0.219)	0.028	0.003
221	18.42	0.13	0.031	(0.218)	0.028	0.003
222	18.50	0.13	0.031	(0.217)	0.028	0.003
223	18.58	0.10	0.023	(0.216)	0.021	0.002
224	18.67	0.10	0.023	(0.215)	0.021	0.002
225	18.75	0.10	0.023	(0.214)	0.021	0.002
226	18.83	0.07	0.015	(0.213)	0.014	0.002
227	18.92	0.07	0.015	(0.212)	0.014	0.002
228	19.00	0.07	0.015	(0.211)	0.014	0.002
229	19.08	0.10	0.023	(0.210)	0.021	0.002
230	19.17	0.10	0.023	(0.209)	0.021	0.002
231	19.25	0.10	0.023	(0.208)	0.021	0.002
232	19.33	0.13	0.031	(0.207)	0.028	0.003
233	19.42	0.13	0.031	(0.206)	0.028	0.003
234	19.50	0.13	0.031	(0.205)	0.028	0.003
235	19.58	0.10	0.023	(0.204)	0.021	0.002
236	19.67	0.10	0.023	(0.203)	0.021	0.002
237	19.75	0.10	0.023	(0.202)	0.021	0.002
238	19.83	0.07	0.015	(0.201)	0.014	0.002
239	19.92	0.07	0.015	(0.200)	0.014	0.002
240	20.00	0.07	0.015	(0.199)	0.014	0.002
241	20.08	0.10	0.023	(0.198)	0.021	0.002
242	20.17	0.10	0.023	(0.197)	0.021	0.002

243	20.25	0.10	0.023	(0.197)	0.021	0.002
244	20.33	0.10	0.023	(0.196)	0.021	0.002
245	20.42	0.10	0.023	(0.195)	0.021	0.002
246	20.50	0.10	0.023	(0.194)	0.021	0.002
247	20.58	0.10	0.023	(0.193)	0.021	0.002
248	20.67	0.10	0.023	(0.192)	0.021	0.002
249	20.75	0.10	0.023	(0.192)	0.021	0.002
250	20.83	0.07	0.015	(0.191)	0.014	0.002
251	20.92	0.07	0.015	(0.190)	0.014	0.002
252	21.00	0.07	0.015	(0.189)	0.014	0.002
253	21.08	0.10	0.023	(0.189)	0.021	0.002
254	21.17	0.10	0.023	(0.188)	0.021	0.002
255	21.25	0.10	0.023	(0.187)	0.021	0.002
256	21.33	0.07	0.015	(0.186)	0.014	0.002
257	21.42	0.07	0.015	(0.186)	0.014	0.002
258	21.50	0.07	0.015	(0.185)	0.014	0.002
259	21.58	0.10	0.023	(0.184)	0.021	0.002
260	21.67	0.10	0.023	(0.184)	0.021	0.002
261	21.75	0.10	0.023	(0.183)	0.021	0.002
262	21.83	0.07	0.015	(0.182)	0.014	0.002
263	21.92	0.07	0.015	(0.182)	0.014	0.002
264	22.00	0.07	0.015	(0.181)	0.014	0.002
265	22.08	0.10	0.023	(0.181)	0.021	0.002
266	22.17	0.10	0.023	(0.180)	0.021	0.002
267	22.25	0.10	0.023	(0.179)	0.021	0.002
268	22.33	0.07	0.015	(0.179)	0.014	0.002
269	22.42	0.07	0.015	(0.178)	0.014	0.002
270	22.50	0.07	0.015	(0.178)	0.014	0.002
271	22.58	0.07	0.015	(0.177)	0.014	0.002
272	22.67	0.07	0.015	(0.177)	0.014	0.002
273	22.75	0.07	0.015	(0.176)	0.014	0.002
274	22.83	0.07	0.015	(0.176)	0.014	0.002
275	22.92	0.07	0.015	(0.175)	0.014	0.002
276	23.00	0.07	0.015	(0.175)	0.014	0.002
277	23.08	0.07	0.015	(0.175)	0.014	0.002
278	23.17	0.07	0.015	(0.174)	0.014	0.002
279	23.25	0.07	0.015	(0.174)	0.014	0.002
280	23.33	0.07	0.015	(0.173)	0.014	0.002
281	23.42	0.07	0.015	(0.173)	0.014	0.002
282	23.50	0.07	0.015	(0.173)	0.014	0.002
283	23.58	0.07	0.015	(0.173)	0.014	0.002
284	23.67	0.07	0.015	(0.172)	0.014	0.002
285	23.75	0.07	0.015	(0.172)	0.014	0.002
286	23.83	0.07	0.015	(0.172)	0.014	0.002
287	23.92	0.07	0.015	(0.172)	0.014	0.002
288	24.00	0.07	0.015	(0.172)	0.014	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.3

Flood volume = Effective rainfall 0.19(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 1.74(In)
 Total soil loss = 0.443(Ac.Ft)
 Total rainfall = 1.93(In)
 Flood volume = 2143.8 Cubic Feet
 Total soil loss = 19294.1 Cubic Feet

 Peak flow rate of this hydrograph = 0.081(CFS)

++++++
 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000		0.00	Q				
0+10	0.0000		0.00	Q				
0+15	0.0001		0.00	Q				
0+20	0.0001		0.01	Q				
0+25	0.0001		0.01	Q				
0+30	0.0002		0.01	Q				
0+35	0.0002		0.01	Q				
0+40	0.0003		0.01	Q				
0+45	0.0003		0.01	Q				
0+50	0.0004		0.01	Q				
0+55	0.0005		0.01	Q				
1+ 0	0.0005		0.01	Q				
1+ 5	0.0006		0.01	Q				
1+10	0.0006		0.01	Q				
1+15	0.0007		0.01	Q				
1+20	0.0007		0.01	Q				
1+25	0.0008		0.01	Q				
1+30	0.0008		0.01	Q				
1+35	0.0009		0.01	Q				
1+40	0.0009		0.01	Q				
1+45	0.0010		0.01	Q				
1+50	0.0010		0.01	Q				
1+55	0.0011		0.01	Q				
2+ 0	0.0012		0.01	Q				
2+ 5	0.0012		0.01	Q				
2+10	0.0013		0.01	QV				
2+15	0.0014		0.01	QV				
2+20	0.0014		0.01	QV				
2+25	0.0015		0.01	QV				
2+30	0.0015		0.01	QV				
2+35	0.0016		0.01	QV				
2+40	0.0017		0.01	QV				
2+45	0.0018		0.01	QV				

2+50	0.0019	0.01	QV				
2+55	0.0019	0.01	QV				
3+ 0	0.0020	0.01	QV				
3+ 5	0.0021	0.01	QV				
3+10	0.0022	0.01	QV				
3+15	0.0023	0.01	QV				
3+20	0.0024	0.01	QV				
3+25	0.0024	0.01	QV				
3+30	0.0025	0.01	Q V				
3+35	0.0026	0.01	Q V				
3+40	0.0027	0.01	Q V				
3+45	0.0028	0.01	Q V				
3+50	0.0028	0.01	Q V				
3+55	0.0029	0.01	Q V				
4+ 0	0.0030	0.01	Q V				
4+ 5	0.0031	0.01	Q V				
4+10	0.0032	0.01	Q V				
4+15	0.0033	0.01	Q V				
4+20	0.0034	0.01	Q V				
4+25	0.0035	0.02	Q V				
4+30	0.0037	0.02	Q V				
4+35	0.0038	0.02	Q V				
4+40	0.0039	0.02	Q V				
4+45	0.0040	0.02	Q V				
4+50	0.0041	0.02	Q V				
4+55	0.0043	0.02	Q V				
5+ 0	0.0044	0.02	Q V				
5+ 5	0.0045	0.02	Q V				
5+10	0.0046	0.02	Q V				
5+15	0.0047	0.01	Q V				
5+20	0.0048	0.02	Q V				
5+25	0.0049	0.02	Q V				
5+30	0.0050	0.02	Q V				
5+35	0.0052	0.02	Q V				
5+40	0.0053	0.02	Q V				
5+45	0.0054	0.02	Q V				
5+50	0.0055	0.02	Q V				
5+55	0.0057	0.02	Q V				
6+ 0	0.0058	0.02	Q V				
6+ 5	0.0059	0.02	Q V				
6+10	0.0061	0.02	Q V				
6+15	0.0062	0.02	Q V				
6+20	0.0064	0.02	Q V				
6+25	0.0065	0.02	Q V				
6+30	0.0067	0.02	Q V				
6+35	0.0068	0.02	Q V				
6+40	0.0070	0.02	Q V				
6+45	0.0071	0.02	Q V				
6+50	0.0073	0.02	Q V				
6+55	0.0075	0.02	Q V				

7+ 0	0.0076	0.02	Q	V				
7+ 5	0.0078	0.02	Q	V				
7+10	0.0080	0.02	Q	V				
7+15	0.0081	0.02	Q	V				
7+20	0.0083	0.02	Q	V				
7+25	0.0085	0.03	Q	V				
7+30	0.0087	0.03	Q	V				
7+35	0.0088	0.03	Q	V				
7+40	0.0090	0.03	Q	V				
7+45	0.0092	0.03	Q	V				
7+50	0.0094	0.03	Q	V				
7+55	0.0096	0.03	Q	V				
8+ 0	0.0098	0.03	Q	V				
8+ 5	0.0101	0.03	Q	V				
8+10	0.0103	0.03	Q	V				
8+15	0.0105	0.04	Q	V				
8+20	0.0108	0.04	Q	V				
8+25	0.0110	0.04	Q	V				
8+30	0.0113	0.04	Q	V				
8+35	0.0115	0.04	Q	V				
8+40	0.0118	0.04	Q	V				
8+45	0.0121	0.04	Q	V				
8+50	0.0123	0.04	Q	V				
8+55	0.0126	0.04	Q	V				
9+ 0	0.0129	0.04	Q	V				
9+ 5	0.0132	0.04	Q	V				
9+10	0.0135	0.04	Q	V				
9+15	0.0138	0.04	Q	V				
9+20	0.0141	0.05	Q	V				
9+25	0.0144	0.05	Q	V				
9+30	0.0147	0.05	Q	V				
9+35	0.0151	0.05	Q	V				
9+40	0.0154	0.05	Q	V				
9+45	0.0158	0.05	Q	V				
9+50	0.0161	0.05	Q	V				
9+55	0.0165	0.05	Q	V				
10+ 0	0.0168	0.05	Q	V				
10+ 5	0.0171	0.05	Q	V				
10+10	0.0174	0.04	Q	V				
10+15	0.0177	0.04	Q	V				
10+20	0.0179	0.04	Q	V				
10+25	0.0182	0.04	Q	V				
10+30	0.0184	0.04	Q	V				
10+35	0.0187	0.04	Q	V				
10+40	0.0190	0.04	Q	V				
10+45	0.0193	0.05	Q	V				
10+50	0.0196	0.05	Q	V				
10+55	0.0200	0.05	Q	V				
11+ 0	0.0203	0.05	Q	V				
11+ 5	0.0206	0.05	Q	V				

11+10	0.0209	0.05	Q	V			
11+15	0.0212	0.05	Q	V			
11+20	0.0216	0.05	Q	V			
11+25	0.0219	0.05	Q	V			
11+30	0.0222	0.05	Q	V			
11+35	0.0225	0.04	Q	V			
11+40	0.0228	0.04	Q	V			
11+45	0.0231	0.04	Q	V			
11+50	0.0233	0.04	Q	V			
11+55	0.0236	0.04	Q	V			
12+ 0	0.0239	0.04	Q	V			
12+ 5	0.0243	0.05	Q	V			
12+10	0.0246	0.06	Q	V			
12+15	0.0250	0.06	Q	V			
12+20	0.0254	0.06	Q	V			
12+25	0.0259	0.06	Q	V			
12+30	0.0263	0.06	Q	V			
12+35	0.0267	0.06	Q	V			
12+40	0.0272	0.07	Q	V			
12+45	0.0276	0.07	Q	V			
12+50	0.0281	0.07	Q	V			
12+55	0.0286	0.07	Q	V			
13+ 0	0.0290	0.07	Q	V			
13+ 5	0.0295	0.07	Q	V			
13+10	0.0301	0.08	Q	V			
13+15	0.0306	0.08	Q	V			
13+20	0.0312	0.08	Q	V			
13+25	0.0317	0.08	Q	V			
13+30	0.0323	0.08	Q	V			
13+35	0.0328	0.07	Q	V			
13+40	0.0332	0.06	Q	V			
13+45	0.0336	0.06	Q	V			
13+50	0.0340	0.06	Q	V			
13+55	0.0344	0.06	Q	V			
14+ 0	0.0348	0.05	Q	V			
14+ 5	0.0352	0.06	Q	V			
14+10	0.0356	0.06	Q	V			
14+15	0.0360	0.06	Q	V			
14+20	0.0365	0.06	Q	V			
14+25	0.0369	0.06	Q	V			
14+30	0.0373	0.06	Q	V			
14+35	0.0377	0.06	Q	V			
14+40	0.0382	0.06	Q	V			
14+45	0.0386	0.06	Q	V			
14+50	0.0390	0.06	Q	V			
14+55	0.0394	0.06	Q	V			
15+ 0	0.0398	0.06	Q	V			
15+ 5	0.0402	0.06	Q	V			
15+10	0.0406	0.06	Q	V			
15+15	0.0410	0.06	Q	V			

15+20	0.0414	0.06	Q				V
15+25	0.0418	0.06	Q				V
15+30	0.0422	0.06	Q				V
15+35	0.0425	0.05	Q				V
15+40	0.0429	0.05	Q				V
15+45	0.0432	0.05	Q				V
15+50	0.0435	0.05	Q				V
15+55	0.0438	0.05	Q				V
16+ 0	0.0441	0.05	Q				V
16+ 5	0.0444	0.04	Q				V
16+10	0.0445	0.02	Q				V
16+15	0.0446	0.01	Q				V
16+20	0.0447	0.01	Q				V
16+25	0.0447	0.01	Q				V
16+30	0.0448	0.01	Q				V
16+35	0.0449	0.01	Q				V
16+40	0.0449	0.01	Q				V
16+45	0.0450	0.01	Q				V
16+50	0.0450	0.01	Q				V
16+55	0.0451	0.01	Q				V
17+ 0	0.0451	0.01	Q				V
17+ 5	0.0452	0.01	Q				V
17+10	0.0453	0.01	Q				V
17+15	0.0453	0.01	Q				V
17+20	0.0454	0.01	Q				V
17+25	0.0455	0.01	Q				V
17+30	0.0456	0.01	Q				V
17+35	0.0457	0.01	Q				V
17+40	0.0457	0.01	Q				V
17+45	0.0458	0.01	Q				V
17+50	0.0459	0.01	Q				V
17+55	0.0460	0.01	Q				V
18+ 0	0.0460	0.01	Q				V
18+ 5	0.0461	0.01	Q				V
18+10	0.0462	0.01	Q				V
18+15	0.0462	0.01	Q				V
18+20	0.0463	0.01	Q				V
18+25	0.0464	0.01	Q				V
18+30	0.0464	0.01	Q				V
18+35	0.0465	0.01	Q				V
18+40	0.0465	0.01	Q				V
18+45	0.0466	0.01	Q				V
18+50	0.0466	0.01	Q				V
18+55	0.0467	0.01	Q				V
19+ 0	0.0467	0.01	Q				V
19+ 5	0.0468	0.01	Q				V
19+10	0.0468	0.01	Q				V
19+15	0.0468	0.01	Q				V
19+20	0.0469	0.01	Q				V
19+25	0.0470	0.01	Q				V

19+30	0.0470	0.01	Q				V
19+35	0.0471	0.01	Q				V
19+40	0.0471	0.01	Q				V
19+45	0.0472	0.01	Q				V
19+50	0.0472	0.01	Q				V
19+55	0.0473	0.01	Q				V
20+ 0	0.0473	0.01	Q				V
20+ 5	0.0473	0.01	Q				V
20+10	0.0474	0.01	Q				V
20+15	0.0474	0.01	Q				V
20+20	0.0475	0.01	Q				V
20+25	0.0475	0.01	Q				V
20+30	0.0476	0.01	Q				V
20+35	0.0476	0.01	Q				V
20+40	0.0477	0.01	Q				V
20+45	0.0477	0.01	Q				V
20+50	0.0478	0.01	Q				V
20+55	0.0478	0.01	Q				V
21+ 0	0.0478	0.01	Q				V
21+ 5	0.0479	0.01	Q				V
21+10	0.0479	0.01	Q				V
21+15	0.0480	0.01	Q				V
21+20	0.0480	0.01	Q				V
21+25	0.0481	0.01	Q				V
21+30	0.0481	0.01	Q				V
21+35	0.0481	0.01	Q				V
21+40	0.0482	0.01	Q				V
21+45	0.0482	0.01	Q				V
21+50	0.0483	0.01	Q				V
21+55	0.0483	0.01	Q				V
22+ 0	0.0483	0.01	Q				V
22+ 5	0.0484	0.01	Q				V
22+10	0.0484	0.01	Q				V
22+15	0.0485	0.01	Q				V
22+20	0.0485	0.01	Q				V
22+25	0.0486	0.01	Q				V
22+30	0.0486	0.01	Q				V
22+35	0.0486	0.00	Q				V
22+40	0.0487	0.00	Q				V
22+45	0.0487	0.00	Q				V
22+50	0.0487	0.00	Q				V
22+55	0.0488	0.00	Q				V
23+ 0	0.0488	0.00	Q				V
23+ 5	0.0488	0.00	Q				V
23+10	0.0488	0.00	Q				V
23+15	0.0489	0.00	Q				V
23+20	0.0489	0.00	Q				V
23+25	0.0489	0.00	Q				V
23+30	0.0490	0.00	Q				V
23+35	0.0490	0.00	Q				V

23+40	0.0490	0.00	Q				V
23+45	0.0491	0.00	Q				V
23+50	0.0491	0.00	Q				V
23+55	0.0491	0.00	Q				V
24+ 0	0.0492	0.00	Q				V
24+ 5	0.0492	0.00	Q				V
24+10	0.0492	0.00	Q				V
24+15	0.0492	0.00	Q				V
24+20	0.0492	0.00	Q				V
24+25	0.0492	0.00	Q				V
24+30	0.0492	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda362.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	0.883
2	0.167	264.555	1.486
3	0.250	396.832	0.380
4	0.333	529.109	0.170
5	0.417	661.387	0.093
6	0.500	793.664	0.050
7	0.583	925.941	0.022
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.343)	0.061	0.007
2	0.17	0.60	0.081	(0.343)	0.073	0.008
3	0.25	0.60	0.081	(0.343)	0.073	0.008
4	0.33	0.60	0.081	(0.343)	0.073	0.008
5	0.42	0.60	0.081	(0.343)	0.073	0.008
6	0.50	0.70	0.095	(0.343)	0.085	0.009
7	0.58	0.70	0.095	(0.343)	0.085	0.009
8	0.67	0.70	0.095	(0.343)	0.085	0.009
9	0.75	0.70	0.095	(0.343)	0.085	0.009
10	0.83	0.70	0.095	(0.343)	0.085	0.009
11	0.92	0.70	0.095	(0.343)	0.085	0.009
12	1.00	0.80	0.108	(0.343)	0.098	0.011
13	1.08	0.80	0.108	(0.343)	0.098	0.011
14	1.17	0.80	0.108	(0.343)	0.098	0.011
15	1.25	0.80	0.108	(0.343)	0.098	0.011
16	1.33	0.80	0.108	(0.343)	0.098	0.011
17	1.42	0.80	0.108	(0.343)	0.098	0.011
18	1.50	0.80	0.108	(0.343)	0.098	0.011
19	1.58	0.80	0.108	(0.343)	0.098	0.011
20	1.67	0.80	0.108	(0.343)	0.098	0.011
21	1.75	0.80	0.108	(0.343)	0.098	0.011
22	1.83	0.80	0.108	(0.343)	0.098	0.011
23	1.92	0.80	0.108	(0.343)	0.098	0.011
24	2.00	0.90	0.122	(0.343)	0.110	0.012
25	2.08	0.80	0.108	(0.343)	0.098	0.011
26	2.17	0.90	0.122	(0.343)	0.110	0.012
27	2.25	0.90	0.122	(0.343)	0.110	0.012
28	2.33	0.90	0.122	(0.343)	0.110	0.012
29	2.42	0.90	0.122	(0.343)	0.110	0.012
30	2.50	0.90	0.122	(0.343)	0.110	0.012
31	2.58	0.90	0.122	(0.343)	0.110	0.012
32	2.67	0.90	0.122	(0.343)	0.110	0.012
33	2.75	1.00	0.136	(0.343)	0.122	0.014
34	2.83	1.00	0.136	(0.343)	0.122	0.014
35	2.92	1.00	0.136	(0.343)	0.122	0.014
36	3.00	1.00	0.136	(0.343)	0.122	0.014
37	3.08	1.00	0.136	(0.343)	0.122	0.014
38	3.17	1.10	0.149	(0.343)	0.134	0.015
39	3.25	1.10	0.149	(0.343)	0.134	0.015
40	3.33	1.10	0.149	(0.343)	0.134	0.015
41	3.42	1.20	0.163	(0.343)	0.146	0.016
42	3.50	1.30	0.176	(0.343)	0.159	0.018

43	3.58	1.40	0.190	(0.343)	0.171	0.019
44	3.67	1.40	0.190	(0.343)	0.171	0.019
45	3.75	1.50	0.203	(0.343)	0.183	0.020
46	3.83	1.50	0.203	(0.343)	0.183	0.020
47	3.92	1.60	0.217	(0.343)	0.195	0.022
48	4.00	1.60	0.217	(0.343)	0.195	0.022
49	4.08	1.70	0.231	(0.343)	0.207	0.023
50	4.17	1.80	0.244	(0.343)	0.220	0.024
51	4.25	1.90	0.258	(0.343)	0.232	0.026
52	4.33	2.00	0.271	(0.343)	0.244	0.027
53	4.42	2.10	0.285	(0.343)	0.256	0.028
54	4.50	2.10	0.285	(0.343)	0.256	0.028
55	4.58	2.20	0.298	(0.343)	0.268	0.030
56	4.67	2.30	0.312	(0.343)	0.281	0.031
57	4.75	2.40	0.325	(0.343)	0.293	0.033
58	4.83	2.40	0.325	(0.343)	0.293	0.033
59	4.92	2.50	0.339	(0.343)	0.305	0.034
60	5.00	2.60	0.353	(0.343)	0.317	0.035
61	5.08	3.10	0.420	0.343	(0.378)	0.077
62	5.17	3.60	0.488	0.343	(0.439)	0.145
63	5.25	3.90	0.529	0.343	(0.476)	0.186
64	5.33	4.20	0.570	0.343	(0.513)	0.226
65	5.42	4.70	0.637	0.343	(0.574)	0.294
66	5.50	5.60	0.759	0.343	(0.683)	0.416
67	5.58	1.90	0.258	(0.343)	0.232	0.026
68	5.67	0.90	0.122	(0.343)	0.110	0.012
69	5.75	0.60	0.081	(0.343)	0.073	0.008
70	5.83	0.50	0.068	(0.343)	0.061	0.007
71	5.92	0.30	0.041	(0.343)	0.037	0.004
72	6.00	0.20	0.027	(0.343)	0.024	0.003

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.4

Flood volume = Effective rainfall 0.20(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.93(In)
Total soil loss = 0.238(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 2184.9 Cubic Feet
Total soil loss = 10366.7 Cubic Feet

Peak flow rate of this hydrograph = 0.941(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0000	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0003	0.02	Q				
0+20	0.0005	0.02	Q				
0+25	0.0006	0.02	Q				
0+30	0.0008	0.03	Q				
0+35	0.0010	0.03	Q				
0+40	0.0012	0.03	Q				
0+45	0.0014	0.03	QV				
0+50	0.0016	0.03	QV				
0+55	0.0018	0.03	QV				
1+ 0	0.0020	0.03	QV				
1+ 5	0.0023	0.03	QV				
1+10	0.0025	0.03	QV				
1+15	0.0027	0.03	Q V				
1+20	0.0029	0.03	Q V				
1+25	0.0032	0.03	Q V				
1+30	0.0034	0.03	Q V				
1+35	0.0036	0.03	Q V				
1+40	0.0039	0.03	Q V				
1+45	0.0041	0.03	Q V				
1+50	0.0043	0.03	Q V				
1+55	0.0045	0.03	Q V				
2+ 0	0.0048	0.03	Q V				
2+ 5	0.0050	0.04	Q V				
2+10	0.0053	0.04	Q V				
2+15	0.0055	0.04	Q V				
2+20	0.0058	0.04	Q V				
2+25	0.0060	0.04	Q V				
2+30	0.0063	0.04	Q V				
2+35	0.0066	0.04	Q V				
2+40	0.0068	0.04	Q V				
2+45	0.0071	0.04	Q V				
2+50	0.0074	0.04	Q V				
2+55	0.0077	0.04	Q V				
3+ 0	0.0079	0.04	Q V				
3+ 5	0.0082	0.04	Q V				
3+10	0.0085	0.04	Q V				
3+15	0.0088	0.05	Q V				
3+20	0.0092	0.05	Q V				
3+25	0.0095	0.05	Q V				
3+30	0.0098	0.05	Q V				
3+35	0.0102	0.05	Q V				
3+40	0.0106	0.06	Q V				
3+45	0.0110	0.06	Q V				
3+50	0.0114	0.06	Q V				
3+55	0.0119	0.06	Q V				
4+ 0	0.0123	0.07	Q V				
4+ 5	0.0128	0.07	Q V				

4+10	0.0133	0.07	Q	V				
4+15	0.0138	0.07	Q	V				
4+20	0.0143	0.08	Q	V				
4+25	0.0149	0.08	Q	V				
4+30	0.0155	0.09	Q	V				
4+35	0.0161	0.09	Q	V				
4+40	0.0167	0.09	Q	V				
4+45	0.0174	0.10	Q	V				
4+50	0.0181	0.10	Q	V				
4+55	0.0188	0.10	Q	V				
5+ 0	0.0195	0.10	Q	V				
5+ 5	0.0205	0.14	Q	V				
5+10	0.0223	0.27	Q	V				
5+15	0.0252	0.42	Q		V			
5+20	0.0290	0.55	Q		V			
5+25	0.0338	0.70	Q			V		
5+30	0.0403	0.94	Q				V	
5+35	0.0459	0.82	Q				V	
5+40	0.0479	0.29	Q				V	
5+45	0.0490	0.15	Q				V	
5+50	0.0496	0.09	Q				V	
5+55	0.0499	0.05	Q				V	
6+ 0	0.0501	0.02	Q				V	
6+ 5	0.0501	0.01	Q				V	
6+10	0.0501	0.00	Q				V	
6+15	0.0502	0.00	Q				V	
6+20	0.0502	0.00	Q				V	
6+25	0.0502	0.00	Q				V	
6+30	0.0502	0.00	Q				V	

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda332.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
7	0.583	925.941	0.725
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.343)	0.115	0.013
2	0.17	1.30	0.127	(0.343)	0.115	0.013
3	0.25	1.10	0.108	(0.343)	0.097	0.011
4	0.33	1.50	0.147	(0.343)	0.132	0.015
5	0.42	1.50	0.147	(0.343)	0.132	0.015
6	0.50	1.80	0.176	(0.343)	0.159	0.018
7	0.58	1.50	0.147	(0.343)	0.132	0.015
8	0.67	1.80	0.176	(0.343)	0.159	0.018
9	0.75	1.80	0.176	(0.343)	0.159	0.018
10	0.83	1.50	0.147	(0.343)	0.132	0.015
11	0.92	1.60	0.157	(0.343)	0.141	0.016
12	1.00	1.80	0.176	(0.343)	0.159	0.018
13	1.08	2.20	0.216	(0.343)	0.194	0.022
14	1.17	2.20	0.216	(0.343)	0.194	0.022
15	1.25	2.20	0.216	(0.343)	0.194	0.022
16	1.33	2.00	0.196	(0.343)	0.176	0.020
17	1.42	2.60	0.255	(0.343)	0.229	0.025
18	1.50	2.70	0.265	(0.343)	0.238	0.026
19	1.58	2.40	0.235	(0.343)	0.212	0.024
20	1.67	2.70	0.265	(0.343)	0.238	0.026
21	1.75	3.30	0.324	(0.343)	0.291	0.032
22	1.83	3.10	0.304	(0.343)	0.274	0.030
23	1.92	2.90	0.284	(0.343)	0.256	0.028
24	2.00	3.00	0.294	(0.343)	0.265	0.029
25	2.08	3.10	0.304	(0.343)	0.274	0.030
26	2.17	4.20	0.412	0.343	(0.371)	0.069
27	2.25	5.00	0.490	0.343	(0.441)	0.147
28	2.33	3.50	0.343	(0.343)	0.309	0.034
29	2.42	6.80	0.667	0.343	(0.600)	0.324
30	2.50	7.30	0.716	0.343	(0.644)	0.373
31	2.58	8.20	0.804	0.343	(0.724)	0.461
32	2.67	5.90	0.578	0.343	(0.521)	0.235
33	2.75	2.00	0.196	(0.343)	0.176	0.020
34	2.83	1.80	0.176	(0.343)	0.159	0.018
35	2.92	1.80	0.176	(0.343)	0.159	0.018
36	3.00	0.60	0.059	(0.343)	0.053	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.2

Flood volume = Effective rainfall 0.19(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.63(In)

Total soil loss = 0.161(Ac.Ft)

Total rainfall = 0.82(In)
 Flood volume = 2056.5 Cubic Feet
 Total soil loss = 7018.5 Cubic Feet

 Peak flow rate of this hydrograph = 1.108(CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0003		0.03	Q				
0+15	0.0005		0.03	Q				
0+20	0.0008		0.04	Q				
0+25	0.0011		0.04	Q				
0+30	0.0014		0.05	QV				
0+35	0.0017		0.05	QV				
0+40	0.0021		0.05	QV				
0+45	0.0024		0.05	Q V				
0+50	0.0028		0.05	Q V				
0+55	0.0031		0.05	Q V				
1+ 0	0.0034		0.05	Q V				
1+ 5	0.0038		0.06	Q V				
1+10	0.0043		0.06	Q V				
1+15	0.0047		0.06	Q V				
1+20	0.0052		0.06	Q V				
1+25	0.0056		0.07	Q V				
1+30	0.0061		0.08	Q V				
1+35	0.0067		0.08	Q V				
1+40	0.0072		0.08	Q V				
1+45	0.0078		0.09	Q V				
1+50	0.0084		0.09	Q V				
1+55	0.0090		0.09	Q V				
2+ 0	0.0097		0.09	Q V				
2+ 5	0.0103		0.09	Q V				
2+10	0.0112		0.13	Q V				
2+15	0.0129		0.25	Q V				
2+20	0.0149		0.29	Q V				
2+25	0.0177		0.41	Q V				
2+30	0.0236		0.86	Q V				
2+35	0.0312		1.11	Q V				
2+40	0.0388		1.10	Q V				
2+45	0.0432		0.64	Q V				
2+50	0.0450		0.26	Q V				
2+55	0.0461		0.16	Q V				

3+ 0	0.0468	0.09	Q				V
3+ 5	0.0471	0.04	Q				V
3+10	0.0472	0.01	Q				V
3+15	0.0472	0.00	Q				V
3+20	0.0472	0.00	Q				V
3+25	0.0472	0.00	Q				V
3+30	0.0472	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda232.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-2 2 yr

Drainage Area = 2.25(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.25(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 558.25(Ft.)
Length along longest watercourse measured to centroid = 322.08(Ft.)
Length along longest watercourse = 0.106 Mi.
Length along longest watercourse measured to centroid = 0.061 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 45.3990 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	0.82	1.84

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.25	1.96	4.41

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.250	86.00	0.000

Total Area Entered = 2.25(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.445	36.056	0.818
2 0.167	324.890	46.084	1.045
3 0.250	487.334	10.507	0.238
4 0.333	649.779	4.504	0.102
5 0.417	812.224	2.849	0.065
Sum = 100.000		Sum=	2.268

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.343)	0.115	0.013
2	0.17	1.30	0.127	(0.343)	0.115	0.013
3	0.25	1.10	0.108	(0.343)	0.097	0.011
4	0.33	1.50	0.147	(0.343)	0.132	0.015
5	0.42	1.50	0.147	(0.343)	0.132	0.015
6	0.50	1.80	0.176	(0.343)	0.159	0.018
7	0.58	1.50	0.147	(0.343)	0.132	0.015
8	0.67	1.80	0.176	(0.343)	0.159	0.018
9	0.75	1.80	0.176	(0.343)	0.159	0.018
10	0.83	1.50	0.147	(0.343)	0.132	0.015
11	0.92	1.60	0.157	(0.343)	0.141	0.016
12	1.00	1.80	0.176	(0.343)	0.159	0.018
13	1.08	2.20	0.216	(0.343)	0.194	0.022
14	1.17	2.20	0.216	(0.343)	0.194	0.022
15	1.25	2.20	0.216	(0.343)	0.194	0.022
16	1.33	2.00	0.196	(0.343)	0.176	0.020
17	1.42	2.60	0.255	(0.343)	0.229	0.025
18	1.50	2.70	0.265	(0.343)	0.238	0.026
19	1.58	2.40	0.235	(0.343)	0.212	0.024
20	1.67	2.70	0.265	(0.343)	0.238	0.026
21	1.75	3.30	0.324	(0.343)	0.291	0.032
22	1.83	3.10	0.304	(0.343)	0.274	0.030
23	1.92	2.90	0.284	(0.343)	0.256	0.028
24	2.00	3.00	0.294	(0.343)	0.265	0.029
25	2.08	3.10	0.304	(0.343)	0.274	0.030
26	2.17	4.20	0.412	0.343	(0.371)	0.069
27	2.25	5.00	0.490	0.343	(0.441)	0.147
28	2.33	3.50	0.343	(0.343)	0.309	0.034
29	2.42	6.80	0.667	0.343	(0.600)	0.324
30	2.50	7.30	0.716	0.343	(0.644)	0.373
31	2.58	8.20	0.804	0.343	(0.724)	0.461
32	2.67	5.90	0.578	0.343	(0.521)	0.235
33	2.75	2.00	0.196	(0.343)	0.176	0.020
34	2.83	1.80	0.176	(0.343)	0.159	0.018
35	2.92	1.80	0.176	(0.343)	0.159	0.018
36	3.00	0.60	0.059	(0.343)	0.053	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.2

Flood volume = Effective rainfall 0.19(In)

times area 2.3(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.63(In)

Total soil loss = 0.118(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 1512.1 Cubic Feet

Total soil loss = 5160.7 Cubic Feet

Peak flow rate of this hydrograph = 0.857(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0002		0.02	Q				
0+15	0.0004		0.03	Q				
0+20	0.0006		0.03	Q				
0+25	0.0008		0.03	Q				
0+30	0.0011		0.04	QV				
0+35	0.0013		0.04	QV				
0+40	0.0016		0.04	QV				
0+45	0.0018		0.04	Q V				
0+50	0.0021		0.04	Q V				
0+55	0.0023		0.04	Q V				
1+ 0	0.0026		0.04	Q V				
1+ 5	0.0029		0.04	Q V				
1+10	0.0032		0.05	Q V				
1+15	0.0035		0.05	Q V				
1+20	0.0039		0.05	Q V				
1+25	0.0042		0.05	Q V				
1+30	0.0046		0.06	Q V				
1+35	0.0050		0.06	Q V				
1+40	0.0054		0.06	Q V				
1+45	0.0058		0.06	Q V				
1+50	0.0063		0.07	Q V				
1+55	0.0068		0.07	Q V				
2+ 0	0.0072		0.07	Q V				
2+ 5	0.0077		0.07	Q V				
2+10	0.0084		0.10	Q V				
2+15	0.0098		0.20	Q V				
2+20	0.0112		0.20	Q V				
2+25	0.0135		0.34	Q V				
2+30	0.0182		0.67	Q V				
2+35	0.0241		0.86	Q V				
2+40	0.0296		0.80	Q V				
2+45	0.0325		0.43	Q V				
2+50	0.0336		0.16	Q V				
2+55	0.0343		0.09	Q V				
3+ 0	0.0346		0.04	Q V				
3+ 5	0.0347		0.01	Q V				

3+10	0.0347	0.00	Q				V
3+15	0.0347	0.00	Q				V
3+20	0.0347	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249preda312.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 676.03(Ft.)
Length along longest watercourse measured to centroid = 415.00(Ft.)
Length along longest watercourse = 0.128 Mi.
Length along longest watercourse measured to centroid = 0.079 Mi.
Difference in elevation = 4.80(Ft.)
Slope along watercourse = 37.4895 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.063 Hr.
Lag time = 3.78 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.51 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	86.00	0.000

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	132.277	28.640
2	0.167	264.555	48.170
3	0.250	396.832	12.335
4	0.333	529.109	5.496
5	0.417	661.387	3.007
6	0.500	793.664	1.626
			0.883
			1.486
			0.380
			0.170
			0.093
			0.050

7	0.583	925.941	0.725	0.022
Sum = 100.000			Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.343)	0.212	0.024
2	0.17	4.30	0.241	(0.343)	0.217	0.024
3	0.25	5.00	0.281	(0.343)	0.253	0.028
4	0.33	5.00	0.281	(0.343)	0.253	0.028
5	0.42	5.80	0.326	(0.343)	0.293	0.033
6	0.50	6.50	0.365	(0.343)	0.329	0.037
7	0.58	7.40	0.416	0.343	(0.374)	0.072
8	0.67	8.60	0.483	0.343	(0.435)	0.140
9	0.75	12.30	0.691	0.343	(0.622)	0.348
10	0.83	29.10	1.634	0.343	(1.471)	1.291
11	0.92	6.80	0.382	0.343	(0.344)	0.039
12	1.00	5.00	0.281	(0.343)	0.253	0.028

(Loss Rate Not Used)

Sum =	100.0	Sum =	2.1

Flood volume = Effective rainfall 0.17(In)
times area 3.1(Ac.)/[((In)/(Ft.))] = 0.0(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.075(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 1935.4 Cubic Feet
Total soil loss = 3262.9 Cubic Feet

Peak flow rate of this hydrograph = 2.118(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0005	0.06	Q				
0+15	0.0010	0.07	Q				
0+20	0.0016	0.08	QV				
0+25	0.0022	0.09	QV				
0+30	0.0028	0.10	Q V				
0+35	0.0038	0.14	Q V				

0+40	0.0056	0.26	Q	V					
0+45	0.0094	0.55	Q		V				
0+50	0.0213	1.73			Q		V		
0+55	0.0359	2.12				Q		V	
1+ 0	0.0404	0.65	Q					V	
1+ 5	0.0425	0.32	Q						V
1+10	0.0436	0.16	Q						V
1+15	0.0442	0.08	Q						V
1+20	0.0444	0.03	Q						V
1+25	0.0444	0.00	Q						V
1+30	0.0444	0.00	Q						V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda324100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	426.565	66.831	2.061
2 0.167	853.130	33.169	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.096)	0.010	0.028
2	0.17	0.07	0.038	(0.096)	0.010	0.028
3	0.25	0.07	0.038	(0.095)	0.010	0.028
4	0.33	0.10	0.057	(0.095)	0.015	0.042
5	0.42	0.10	0.057	(0.095)	0.015	0.042
6	0.50	0.10	0.057	(0.094)	0.015	0.042
7	0.58	0.10	0.057	(0.094)	0.015	0.042
8	0.67	0.10	0.057	(0.094)	0.015	0.042
9	0.75	0.10	0.057	(0.093)	0.015	0.042
10	0.83	0.13	0.075	(0.093)	0.020	0.056
11	0.92	0.13	0.075	(0.093)	0.020	0.056
12	1.00	0.13	0.075	(0.092)	0.020	0.056
13	1.08	0.10	0.057	(0.092)	0.015	0.042
14	1.17	0.10	0.057	(0.091)	0.015	0.042
15	1.25	0.10	0.057	(0.091)	0.015	0.042
16	1.33	0.10	0.057	(0.091)	0.015	0.042
17	1.42	0.10	0.057	(0.090)	0.015	0.042
18	1.50	0.10	0.057	(0.090)	0.015	0.042
19	1.58	0.10	0.057	(0.090)	0.015	0.042
20	1.67	0.10	0.057	(0.089)	0.015	0.042
21	1.75	0.10	0.057	(0.089)	0.015	0.042
22	1.83	0.13	0.075	(0.089)	0.020	0.056
23	1.92	0.13	0.075	(0.088)	0.020	0.056
24	2.00	0.13	0.075	(0.088)	0.020	0.056
25	2.08	0.13	0.075	(0.087)	0.020	0.056
26	2.17	0.13	0.075	(0.087)	0.020	0.056
27	2.25	0.13	0.075	(0.087)	0.020	0.056
28	2.33	0.13	0.075	(0.086)	0.020	0.056
29	2.42	0.13	0.075	(0.086)	0.020	0.056
30	2.50	0.13	0.075	(0.086)	0.020	0.056
31	2.58	0.17	0.094	(0.085)	0.024	0.070
32	2.67	0.17	0.094	(0.085)	0.024	0.070
33	2.75	0.17	0.094	(0.085)	0.024	0.070
34	2.83	0.17	0.094	(0.084)	0.024	0.070
35	2.92	0.17	0.094	(0.084)	0.024	0.070
36	3.00	0.17	0.094	(0.084)	0.024	0.070
37	3.08	0.17	0.094	(0.083)	0.024	0.070
38	3.17	0.17	0.094	(0.083)	0.024	0.070
39	3.25	0.17	0.094	(0.083)	0.024	0.070
40	3.33	0.17	0.094	(0.082)	0.024	0.070
41	3.42	0.17	0.094	(0.082)	0.024	0.070
42	3.50	0.17	0.094	(0.082)	0.024	0.070
43	3.58	0.17	0.094	(0.081)	0.024	0.070
44	3.67	0.17	0.094	(0.081)	0.024	0.070
45	3.75	0.17	0.094	(0.081)	0.024	0.070
46	3.83	0.20	0.113	(0.080)	0.029	0.084
47	3.92	0.20	0.113	(0.080)	0.029	0.084

48	4.00	0.20	0.113	(0.080)	0.029	0.084
49	4.08	0.20	0.113	(0.079)	0.029	0.084
50	4.17	0.20	0.113	(0.079)	0.029	0.084
51	4.25	0.20	0.113	(0.079)	0.029	0.084
52	4.33	0.23	0.132	(0.078)	0.034	0.098
53	4.42	0.23	0.132	(0.078)	0.034	0.098
54	4.50	0.23	0.132	(0.078)	0.034	0.098
55	4.58	0.23	0.132	(0.077)	0.034	0.098
56	4.67	0.23	0.132	(0.077)	0.034	0.098
57	4.75	0.23	0.132	(0.077)	0.034	0.098
58	4.83	0.27	0.151	(0.076)	0.039	0.112
59	4.92	0.27	0.151	(0.076)	0.039	0.112
60	5.00	0.27	0.151	(0.076)	0.039	0.112
61	5.08	0.20	0.113	(0.075)	0.029	0.084
62	5.17	0.20	0.113	(0.075)	0.029	0.084
63	5.25	0.20	0.113	(0.075)	0.029	0.084
64	5.33	0.23	0.132	(0.074)	0.034	0.098
65	5.42	0.23	0.132	(0.074)	0.034	0.098
66	5.50	0.23	0.132	(0.074)	0.034	0.098
67	5.58	0.27	0.151	(0.073)	0.039	0.112
68	5.67	0.27	0.151	(0.073)	0.039	0.112
69	5.75	0.27	0.151	(0.073)	0.039	0.112
70	5.83	0.27	0.151	(0.072)	0.039	0.112
71	5.92	0.27	0.151	(0.072)	0.039	0.112
72	6.00	0.27	0.151	(0.072)	0.039	0.112
73	6.08	0.30	0.170	(0.071)	0.044	0.125
74	6.17	0.30	0.170	(0.071)	0.044	0.125
75	6.25	0.30	0.170	(0.071)	0.044	0.125
76	6.33	0.30	0.170	(0.070)	0.044	0.125
77	6.42	0.30	0.170	(0.070)	0.044	0.125
78	6.50	0.30	0.170	(0.070)	0.044	0.125
79	6.58	0.33	0.188	(0.069)	0.049	0.139
80	6.67	0.33	0.188	(0.069)	0.049	0.139
81	6.75	0.33	0.188	(0.069)	0.049	0.139
82	6.83	0.33	0.188	(0.068)	0.049	0.139
83	6.92	0.33	0.188	(0.068)	0.049	0.139
84	7.00	0.33	0.188	(0.068)	0.049	0.139
85	7.08	0.33	0.188	(0.068)	0.049	0.139
86	7.17	0.33	0.188	(0.067)	0.049	0.139
87	7.25	0.33	0.188	(0.067)	0.049	0.139
88	7.33	0.37	0.207	(0.067)	0.054	0.153
89	7.42	0.37	0.207	(0.066)	0.054	0.153
90	7.50	0.37	0.207	(0.066)	0.054	0.153
91	7.58	0.40	0.226	(0.066)	0.059	0.167
92	7.67	0.40	0.226	(0.065)	0.059	0.167
93	7.75	0.40	0.226	(0.065)	0.059	0.167
94	7.83	0.43	0.245	(0.065)	0.064	0.181
95	7.92	0.43	0.245	(0.065)	0.064	0.181
96	8.00	0.43	0.245	(0.064)	0.064	0.181
97	8.08	0.50	0.283	0.064 (0.073)		0.219

98	8.17	0.50	0.283	0.064	(0.073)	0.219
99	8.25	0.50	0.283	0.063	(0.073)	0.219
100	8.33	0.50	0.283	0.063	(0.073)	0.220
101	8.42	0.50	0.283	0.063	(0.073)	0.220
102	8.50	0.50	0.283	0.062	(0.073)	0.220
103	8.58	0.53	0.301	0.062	(0.078)	0.239
104	8.67	0.53	0.301	0.062	(0.078)	0.240
105	8.75	0.53	0.301	0.062	(0.078)	0.240
106	8.83	0.57	0.320	0.061	(0.083)	0.259
107	8.92	0.57	0.320	0.061	(0.083)	0.259
108	9.00	0.57	0.320	0.061	(0.083)	0.260
109	9.08	0.63	0.358	0.060	(0.093)	0.298
110	9.17	0.63	0.358	0.060	(0.093)	0.298
111	9.25	0.63	0.358	0.060	(0.093)	0.298
112	9.33	0.67	0.377	0.060	(0.098)	0.317
113	9.42	0.67	0.377	0.059	(0.098)	0.318
114	9.50	0.67	0.377	0.059	(0.098)	0.318
115	9.58	0.70	0.396	0.059	(0.103)	0.337
116	9.67	0.70	0.396	0.058	(0.103)	0.337
117	9.75	0.70	0.396	0.058	(0.103)	0.337
118	9.83	0.73	0.414	0.058	(0.108)	0.357
119	9.92	0.73	0.414	0.058	(0.108)	0.357
120	10.00	0.73	0.414	0.057	(0.108)	0.357
121	10.08	0.50	0.283	0.057	(0.073)	0.226
122	10.17	0.50	0.283	0.057	(0.073)	0.226
123	10.25	0.50	0.283	0.056	(0.073)	0.226
124	10.33	0.50	0.283	0.056	(0.073)	0.226
125	10.42	0.50	0.283	0.056	(0.073)	0.227
126	10.50	0.50	0.283	0.056	(0.073)	0.227
127	10.58	0.67	0.377	0.055	(0.098)	0.321
128	10.67	0.67	0.377	0.055	(0.098)	0.322
129	10.75	0.67	0.377	0.055	(0.098)	0.322
130	10.83	0.67	0.377	0.055	(0.098)	0.322
131	10.92	0.67	0.377	0.054	(0.098)	0.322
132	11.00	0.67	0.377	0.054	(0.098)	0.323
133	11.08	0.63	0.358	0.054	(0.093)	0.304
134	11.17	0.63	0.358	0.054	(0.093)	0.304
135	11.25	0.63	0.358	0.053	(0.093)	0.305
136	11.33	0.63	0.358	0.053	(0.093)	0.305
137	11.42	0.63	0.358	0.053	(0.093)	0.305
138	11.50	0.63	0.358	0.052	(0.093)	0.305
139	11.58	0.57	0.320	0.052	(0.083)	0.268
140	11.67	0.57	0.320	0.052	(0.083)	0.268
141	11.75	0.57	0.320	0.052	(0.083)	0.269
142	11.83	0.60	0.339	0.051	(0.088)	0.288
143	11.92	0.60	0.339	0.051	(0.088)	0.288
144	12.00	0.60	0.339	0.051	(0.088)	0.288
145	12.08	0.83	0.471	0.051	(0.122)	0.420
146	12.17	0.83	0.471	0.050	(0.122)	0.421
147	12.25	0.83	0.471	0.050	(0.122)	0.421

148	12.33	0.87	0.490	0.050	(0.127)	0.440
149	12.42	0.87	0.490	0.050	(0.127)	0.440
150	12.50	0.87	0.490	0.049	(0.127)	0.440
151	12.58	0.93	0.528	0.049	(0.137)	0.478
152	12.67	0.93	0.528	0.049	(0.137)	0.479
153	12.75	0.93	0.528	0.049	(0.137)	0.479
154	12.83	0.97	0.546	0.048	(0.142)	0.498
155	12.92	0.97	0.546	0.048	(0.142)	0.498
156	13.00	0.97	0.546	0.048	(0.142)	0.498
157	13.08	1.13	0.641	0.048	(0.167)	0.593
158	13.17	1.13	0.641	0.047	(0.167)	0.593
159	13.25	1.13	0.641	0.047	(0.167)	0.593
160	13.33	1.13	0.641	0.047	(0.167)	0.594
161	13.42	1.13	0.641	0.047	(0.167)	0.594
162	13.50	1.13	0.641	0.046	(0.167)	0.594
163	13.58	0.77	0.433	0.046	(0.113)	0.387
164	13.67	0.77	0.433	0.046	(0.113)	0.387
165	13.75	0.77	0.433	0.046	(0.113)	0.388
166	13.83	0.77	0.433	0.046	(0.113)	0.388
167	13.92	0.77	0.433	0.045	(0.113)	0.388
168	14.00	0.77	0.433	0.045	(0.113)	0.388
169	14.08	0.90	0.509	0.045	(0.132)	0.464
170	14.17	0.90	0.509	0.045	(0.132)	0.464
171	14.25	0.90	0.509	0.044	(0.132)	0.464
172	14.33	0.87	0.490	0.044	(0.127)	0.446
173	14.42	0.87	0.490	0.044	(0.127)	0.446
174	14.50	0.87	0.490	0.044	(0.127)	0.446
175	14.58	0.87	0.490	0.043	(0.127)	0.446
176	14.67	0.87	0.490	0.043	(0.127)	0.447
177	14.75	0.87	0.490	0.043	(0.127)	0.447
178	14.83	0.83	0.471	0.043	(0.122)	0.428
179	14.92	0.83	0.471	0.043	(0.122)	0.428
180	15.00	0.83	0.471	0.042	(0.122)	0.429
181	15.08	0.80	0.452	0.042	(0.118)	0.410
182	15.17	0.80	0.452	0.042	(0.118)	0.410
183	15.25	0.80	0.452	0.042	(0.118)	0.410
184	15.33	0.77	0.433	0.042	(0.113)	0.392
185	15.42	0.77	0.433	0.041	(0.113)	0.392
186	15.50	0.77	0.433	0.041	(0.113)	0.392
187	15.58	0.63	0.358	0.041	(0.093)	0.317
188	15.67	0.63	0.358	0.041	(0.093)	0.317
189	15.75	0.63	0.358	0.040	(0.093)	0.317
190	15.83	0.63	0.358	0.040	(0.093)	0.318
191	15.92	0.63	0.358	0.040	(0.093)	0.318
192	16.00	0.63	0.358	0.040	(0.093)	0.318
193	16.08	0.13	0.075	(0.040)	0.020	0.056
194	16.17	0.13	0.075	(0.039)	0.020	0.056
195	16.25	0.13	0.075	(0.039)	0.020	0.056
196	16.33	0.13	0.075	(0.039)	0.020	0.056
197	16.42	0.13	0.075	(0.039)	0.020	0.056

198	16.50	0.13	0.075	(0.039)	0.020	0.056
199	16.58	0.10	0.057	(0.038)	0.015	0.042
200	16.67	0.10	0.057	(0.038)	0.015	0.042
201	16.75	0.10	0.057	(0.038)	0.015	0.042
202	16.83	0.10	0.057	(0.038)	0.015	0.042
203	16.92	0.10	0.057	(0.038)	0.015	0.042
204	17.00	0.10	0.057	(0.037)	0.015	0.042
205	17.08	0.17	0.094	(0.037)	0.024	0.070
206	17.17	0.17	0.094	(0.037)	0.024	0.070
207	17.25	0.17	0.094	(0.037)	0.024	0.070
208	17.33	0.17	0.094	(0.037)	0.024	0.070
209	17.42	0.17	0.094	(0.037)	0.024	0.070
210	17.50	0.17	0.094	(0.036)	0.024	0.070
211	17.58	0.17	0.094	(0.036)	0.024	0.070
212	17.67	0.17	0.094	(0.036)	0.024	0.070
213	17.75	0.17	0.094	(0.036)	0.024	0.070
214	17.83	0.13	0.075	(0.036)	0.020	0.056
215	17.92	0.13	0.075	(0.035)	0.020	0.056
216	18.00	0.13	0.075	(0.035)	0.020	0.056
217	18.08	0.13	0.075	(0.035)	0.020	0.056
218	18.17	0.13	0.075	(0.035)	0.020	0.056
219	18.25	0.13	0.075	(0.035)	0.020	0.056
220	18.33	0.13	0.075	(0.035)	0.020	0.056
221	18.42	0.13	0.075	(0.034)	0.020	0.056
222	18.50	0.13	0.075	(0.034)	0.020	0.056
223	18.58	0.10	0.057	(0.034)	0.015	0.042
224	18.67	0.10	0.057	(0.034)	0.015	0.042
225	18.75	0.10	0.057	(0.034)	0.015	0.042
226	18.83	0.07	0.038	(0.034)	0.010	0.028
227	18.92	0.07	0.038	(0.033)	0.010	0.028
228	19.00	0.07	0.038	(0.033)	0.010	0.028
229	19.08	0.10	0.057	(0.033)	0.015	0.042
230	19.17	0.10	0.057	(0.033)	0.015	0.042
231	19.25	0.10	0.057	(0.033)	0.015	0.042
232	19.33	0.13	0.075	(0.033)	0.020	0.056
233	19.42	0.13	0.075	(0.033)	0.020	0.056
234	19.50	0.13	0.075	(0.032)	0.020	0.056
235	19.58	0.10	0.057	(0.032)	0.015	0.042
236	19.67	0.10	0.057	(0.032)	0.015	0.042
237	19.75	0.10	0.057	(0.032)	0.015	0.042
238	19.83	0.07	0.038	(0.032)	0.010	0.028
239	19.92	0.07	0.038	(0.032)	0.010	0.028
240	20.00	0.07	0.038	(0.032)	0.010	0.028
241	20.08	0.10	0.057	(0.031)	0.015	0.042
242	20.17	0.10	0.057	(0.031)	0.015	0.042
243	20.25	0.10	0.057	(0.031)	0.015	0.042
244	20.33	0.10	0.057	(0.031)	0.015	0.042
245	20.42	0.10	0.057	(0.031)	0.015	0.042
246	20.50	0.10	0.057	(0.031)	0.015	0.042
247	20.58	0.10	0.057	(0.031)	0.015	0.042

248	20.67	0.10	0.057	(0.030)	0.015	0.042
249	20.75	0.10	0.057	(0.030)	0.015	0.042
250	20.83	0.07	0.038	(0.030)	0.010	0.028
251	20.92	0.07	0.038	(0.030)	0.010	0.028
252	21.00	0.07	0.038	(0.030)	0.010	0.028
253	21.08	0.10	0.057	(0.030)	0.015	0.042
254	21.17	0.10	0.057	(0.030)	0.015	0.042
255	21.25	0.10	0.057	(0.030)	0.015	0.042
256	21.33	0.07	0.038	(0.029)	0.010	0.028
257	21.42	0.07	0.038	(0.029)	0.010	0.028
258	21.50	0.07	0.038	(0.029)	0.010	0.028
259	21.58	0.10	0.057	(0.029)	0.015	0.042
260	21.67	0.10	0.057	(0.029)	0.015	0.042
261	21.75	0.10	0.057	(0.029)	0.015	0.042
262	21.83	0.07	0.038	(0.029)	0.010	0.028
263	21.92	0.07	0.038	(0.029)	0.010	0.028
264	22.00	0.07	0.038	(0.029)	0.010	0.028
265	22.08	0.10	0.057	(0.029)	0.015	0.042
266	22.17	0.10	0.057	(0.028)	0.015	0.042
267	22.25	0.10	0.057	(0.028)	0.015	0.042
268	22.33	0.07	0.038	(0.028)	0.010	0.028
269	22.42	0.07	0.038	(0.028)	0.010	0.028
270	22.50	0.07	0.038	(0.028)	0.010	0.028
271	22.58	0.07	0.038	(0.028)	0.010	0.028
272	22.67	0.07	0.038	(0.028)	0.010	0.028
273	22.75	0.07	0.038	(0.028)	0.010	0.028
274	22.83	0.07	0.038	(0.028)	0.010	0.028
275	22.92	0.07	0.038	(0.028)	0.010	0.028
276	23.00	0.07	0.038	(0.028)	0.010	0.028
277	23.08	0.07	0.038	(0.028)	0.010	0.028
278	23.17	0.07	0.038	(0.028)	0.010	0.028
279	23.25	0.07	0.038	(0.027)	0.010	0.028
280	23.33	0.07	0.038	(0.027)	0.010	0.028
281	23.42	0.07	0.038	(0.027)	0.010	0.028
282	23.50	0.07	0.038	(0.027)	0.010	0.028
283	23.58	0.07	0.038	(0.027)	0.010	0.028
284	23.67	0.07	0.038	(0.027)	0.010	0.028
285	23.75	0.07	0.038	(0.027)	0.010	0.028
286	23.83	0.07	0.038	(0.027)	0.010	0.028
287	23.92	0.07	0.038	(0.027)	0.010	0.028
288	24.00	0.07	0.038	(0.027)	0.010	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 47.2

Flood volume = Effective rainfall 3.93(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 1.0(Ac.Ft)

Total soil loss = 0.78(In)

Total soil loss = 0.198(Ac.Ft)

Total rainfall = 4.71(In)

Flood volume = 43676.3 Cubic Feet

Total soil loss = 8641.1 Cubic Feet

Peak flow rate of this hydrograph = 1.833(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004		0.06	Q				
0+10	0.0010		0.09	Q				
0+15	0.0016		0.09	Q				
0+20	0.0024		0.11	Q				
0+25	0.0033		0.13	Q				
0+30	0.0041		0.13	Q				
0+35	0.0050		0.13	Q				
0+40	0.0059		0.13	Q				
0+45	0.0068		0.13	Q				
0+50	0.0079		0.16	Q				
0+55	0.0091		0.17	Q				
1+ 0	0.0103		0.17	Q				
1+ 5	0.0113		0.14	Q				
1+10	0.0121		0.13	Q				
1+15	0.0130		0.13	Q				
1+20	0.0139		0.13	Q				
1+25	0.0148		0.13	Q				
1+30	0.0157		0.13	Q				
1+35	0.0166		0.13	Q				
1+40	0.0175		0.13	Q				
1+45	0.0184		0.13	Q				
1+50	0.0195		0.16	Q				
1+55	0.0206		0.17	Q				
2+ 0	0.0218		0.17	Q				
2+ 5	0.0230		0.17	Q				
2+10	0.0242		0.17	Q				
2+15	0.0254		0.17	QV				
2+20	0.0266		0.17	QV				
2+25	0.0278		0.17	QV				
2+30	0.0289		0.17	QV				
2+35	0.0303		0.20	QV				
2+40	0.0318		0.22	QV				
2+45	0.0333		0.22	QV				
2+50	0.0348		0.22	QV				
2+55	0.0362		0.22	QV				
3+ 0	0.0377		0.22	QV				
3+ 5	0.0392		0.22	QV				
3+10	0.0407		0.22	QV				

3+15	0.0422	0.22	QV				
3+20	0.0437	0.22	QV				
3+25	0.0451	0.22	QV				
3+30	0.0466	0.22	QV				
3+35	0.0481	0.22	QV				
3+40	0.0496	0.22	QV				
3+45	0.0511	0.22	Q V				
3+50	0.0527	0.24	Q V				
3+55	0.0545	0.26	QV				
4+ 0	0.0563	0.26	QV				
4+ 5	0.0581	0.26	QV				
4+10	0.0598	0.26	QV				
4+15	0.0616	0.26	QV				
4+20	0.0636	0.29	QV				
4+25	0.0657	0.30	QV				
4+30	0.0677	0.30	QV				
4+35	0.0698	0.30	QV				
4+40	0.0719	0.30	QV				
4+45	0.0740	0.30	QV				
4+50	0.0762	0.33	Q V				
4+55	0.0786	0.34	Q V				
5+ 0	0.0810	0.34	Q V				
5+ 5	0.0830	0.29	Q V				
5+10	0.0847	0.26	Q V				
5+15	0.0865	0.26	Q V				
5+20	0.0885	0.29	Q V				
5+25	0.0906	0.30	Q V				
5+30	0.0926	0.30	Q V				
5+35	0.0949	0.33	Q V				
5+40	0.0973	0.34	Q V				
5+45	0.0996	0.34	Q V				
5+50	0.1020	0.34	Q V				
5+55	0.1044	0.34	Q V				
6+ 0	0.1068	0.34	Q V				
6+ 5	0.1093	0.37	Q V				
6+10	0.1120	0.39	Q V				
6+15	0.1147	0.39	Q V				
6+20	0.1173	0.39	Q V				
6+25	0.1200	0.39	Q V				
6+30	0.1227	0.39	Q V				
6+35	0.1255	0.42	Q V				
6+40	0.1285	0.43	Q V				
6+45	0.1314	0.43	Q V				
6+50	0.1344	0.43	Q V				
6+55	0.1374	0.43	Q V				
7+ 0	0.1403	0.43	Q V				
7+ 5	0.1433	0.43	Q V				
7+10	0.1463	0.43	Q V				
7+15	0.1492	0.43	Q V				
7+20	0.1524	0.46	Q V				

7+25	0.1556	0.47	Q	V				
7+30	0.1589	0.47	Q	V				
7+35	0.1624	0.50	Q	V				
7+40	0.1659	0.52	Q	V				
7+45	0.1695	0.52	Q	V				
7+50	0.1732	0.54	Q	V				
7+55	0.1771	0.56	Q	V				
8+ 0	0.1809	0.56	Q	V				
8+ 5	0.1853	0.64	Q	V				
8+10	0.1900	0.68	Q	V				
8+15	0.1946	0.68	Q	V				
8+20	0.1993	0.68	Q	V				
8+25	0.2039	0.68	Q	V				
8+30	0.2086	0.68	Q	V				
8+35	0.2136	0.72	Q	V				
8+40	0.2187	0.74	Q	V				
8+45	0.2238	0.74	Q	V				
8+50	0.2291	0.78	Q	V				
8+55	0.2346	0.80	Q	V				
9+ 0	0.2401	0.80	Q	V				
9+ 5	0.2462	0.88	Q	V				
9+10	0.2525	0.92	Q	V				
9+15	0.2589	0.92	Q	V				
9+20	0.2655	0.96	Q	V				
9+25	0.2722	0.98	Q	V				
9+30	0.2790	0.98	Q	V				
9+35	0.2860	1.02	Q	V				
9+40	0.2932	1.04	Q	V				
9+45	0.3003	1.04	Q	V				
9+50	0.3078	1.08	Q	V				
9+55	0.3153	1.10	Q	V				
10+ 0	0.3229	1.10	Q	V				
10+ 5	0.3287	0.83	Q	V				
10+10	0.3335	0.70	Q	V				
10+15	0.3383	0.70	Q	V				
10+20	0.3431	0.70	Q	V				
10+25	0.3479	0.70	Q	V				
10+30	0.3527	0.70	Q	V				
10+35	0.3589	0.90	Q	V				
10+40	0.3657	0.99	Q	V				
10+45	0.3725	0.99	Q	V				
10+50	0.3794	0.99	Q	V				
10+55	0.3862	0.99	Q	V				
11+ 0	0.3931	1.00	Q	V				
11+ 5	0.3997	0.96	Q	V				
11+10	0.4061	0.94	Q	V				
11+15	0.4126	0.94	Q	V				
11+20	0.4191	0.94	Q	V				
11+25	0.4256	0.94	Q	V				
11+30	0.4321	0.94	Q	V				

11+35	0.4380	0.87	Q	V			
11+40	0.4437	0.83	Q	V			
11+45	0.4494	0.83	Q	V			
11+50	0.4554	0.87	Q	V			
11+55	0.4615	0.89	Q	V			
12+ 0	0.4677	0.89	Q	V			
12+ 5	0.4757	1.16	Q	V			
12+10	0.4846	1.30	Q	V			
12+15	0.4935	1.30	Q	V			
12+20	0.5028	1.34	Q	V			
12+25	0.5121	1.36	Q	V			
12+30	0.5215	1.36	Q	V			
12+35	0.5314	1.44	Q	V			
12+40	0.5415	1.48	Q	V			
12+45	0.5517	1.48	Q	V			
12+50	0.5621	1.52	Q	V			
12+55	0.5727	1.54	Q	V			
13+ 0	0.5833	1.54	Q	V			
13+ 5	0.5953	1.73	Q	V			
13+10	0.6079	1.83	Q	V			
13+15	0.6205	1.83	Q	V			
13+20	0.6331	1.83	Q	V			
13+25	0.6457	1.83	Q	V			
13+30	0.6583	1.83	Q	V			
13+35	0.6680	1.41	Q	V			
13+40	0.6762	1.19	Q	V			
13+45	0.6845	1.20	Q	V			
13+50	0.6927	1.20	Q	V			
13+55	0.7009	1.20	Q	V			
14+ 0	0.7092	1.20	Q	V			
14+ 5	0.7185	1.35	Q	V			
14+10	0.7284	1.43	Q	V			
14+15	0.7382	1.43	Q	V			
14+20	0.7478	1.39	Q	V			
14+25	0.7573	1.38	Q	V			
14+30	0.7668	1.38	Q	V			
14+35	0.7763	1.38	Q	V			
14+40	0.7858	1.38	Q	V			
14+45	0.7953	1.38	Q	V			
14+50	0.8045	1.34	Q	V			
14+55	0.8136	1.32	Q	V			
15+ 0	0.8227	1.32	Q	V			
15+ 5	0.8315	1.28	Q	V			
15+10	0.8403	1.27	Q	V			
15+15	0.8490	1.27	Q	V			
15+20	0.8574	1.23	Q	V			
15+25	0.8658	1.21	Q	V			
15+30	0.8741	1.21	Q	V			
15+35	0.8814	1.06	Q	V			
15+40	0.8881	0.98	Q	V			

15+45	0.8948	0.98	Q				V
15+50	0.9016	0.98	Q				V
15+55	0.9083	0.98	Q				V
16+ 0	0.9151	0.98	Q				V
16+ 5	0.9181	0.44	Q				V
16+10	0.9193	0.17	Q				V
16+15	0.9205	0.17	Q				V
16+20	0.9217	0.17	Q				V
16+25	0.9229	0.17	Q				V
16+30	0.9241	0.17	Q				V
16+35	0.9251	0.14	Q				V
16+40	0.9259	0.13	Q				V
16+45	0.9268	0.13	Q				V
16+50	0.9277	0.13	Q				V
16+55	0.9286	0.13	Q				V
17+ 0	0.9295	0.13	Q				V
17+ 5	0.9308	0.19	Q				V
17+10	0.9323	0.22	Q				V
17+15	0.9337	0.22	Q				V
17+20	0.9352	0.22	Q				V
17+25	0.9367	0.22	Q				V
17+30	0.9382	0.22	Q				V
17+35	0.9397	0.22	Q				V
17+40	0.9411	0.22	Q				V
17+45	0.9426	0.22	Q				V
17+50	0.9439	0.19	Q				V
17+55	0.9451	0.17	Q				V
18+ 0	0.9463	0.17	Q				V
18+ 5	0.9475	0.17	Q				V
18+10	0.9487	0.17	Q				V
18+15	0.9498	0.17	Q				V
18+20	0.9510	0.17	Q				V
18+25	0.9522	0.17	Q				V
18+30	0.9534	0.17	Q				V
18+35	0.9544	0.14	Q				V
18+40	0.9553	0.13	Q				V
18+45	0.9562	0.13	Q				V
18+50	0.9568	0.10	Q				V
18+55	0.9574	0.09	Q				V
19+ 0	0.9580	0.09	Q				V
19+ 5	0.9588	0.11	Q				V
19+10	0.9597	0.13	Q				V
19+15	0.9606	0.13	Q				V
19+20	0.9617	0.16	Q				V
19+25	0.9629	0.17	Q				V
19+30	0.9641	0.17	Q				V
19+35	0.9650	0.14	Q				V
19+40	0.9659	0.13	Q				V
19+45	0.9668	0.13	Q				V
19+50	0.9675	0.10	Q				V

19+55	0.9681	0.09	Q				V
20+ 0	0.9687	0.09	Q				V
20+ 5	0.9695	0.11	Q				V
20+10	0.9704	0.13	Q				V
20+15	0.9713	0.13	Q				V
20+20	0.9722	0.13	Q				V
20+25	0.9730	0.13	Q				V
20+30	0.9739	0.13	Q				V
20+35	0.9748	0.13	Q				V
20+40	0.9757	0.13	Q				V
20+45	0.9766	0.13	Q				V
20+50	0.9773	0.10	Q				V
20+55	0.9779	0.09	Q				V
21+ 0	0.9785	0.09	Q				V
21+ 5	0.9793	0.11	Q				V
21+10	0.9802	0.13	Q				V
21+15	0.9810	0.13	Q				V
21+20	0.9817	0.10	Q				V
21+25	0.9823	0.09	Q				V
21+30	0.9829	0.09	Q				V
21+35	0.9837	0.11	Q				V
21+40	0.9846	0.13	Q				V
21+45	0.9855	0.13	Q				V
21+50	0.9862	0.10	Q				V
21+55	0.9868	0.09	Q				V
22+ 0	0.9874	0.09	Q				V
22+ 5	0.9882	0.11	Q				V
22+10	0.9890	0.13	Q				V
22+15	0.9899	0.13	Q				V
22+20	0.9906	0.10	Q				V
22+25	0.9912	0.09	Q				V
22+30	0.9918	0.09	Q				V
22+35	0.9924	0.09	Q				V
22+40	0.9930	0.09	Q				V
22+45	0.9936	0.09	Q				V
22+50	0.9942	0.09	Q				V
22+55	0.9948	0.09	Q				V
23+ 0	0.9954	0.09	Q				V
23+ 5	0.9960	0.09	Q				V
23+10	0.9965	0.09	Q				V
23+15	0.9971	0.09	Q				V
23+20	0.9977	0.09	Q				V
23+25	0.9983	0.09	Q				V
23+30	0.9989	0.09	Q				V
23+35	0.9995	0.09	Q				V
23+40	1.0001	0.09	Q				V
23+45	1.0007	0.09	Q				V
23+50	1.0013	0.09	Q				V
23+55	1.0019	0.09	Q				V
24+ 0	1.0025	0.09	Q				V

24+ 5

1.0027

0.03 Q

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Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda36100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	2.061
2	0.167	853.130	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	(0.054)	0.041	0.118
2	0.17	0.60	0.191	(0.054)	0.050	0.141
3	0.25	0.60	0.191	(0.054)	0.050	0.141
4	0.33	0.60	0.191	(0.054)	0.050	0.141
5	0.42	0.60	0.191	(0.054)	0.050	0.141
6	0.50	0.70	0.223	0.054	(0.058)	0.168
7	0.58	0.70	0.223	0.054	(0.058)	0.168
8	0.67	0.70	0.223	0.054	(0.058)	0.168
9	0.75	0.70	0.223	0.054	(0.058)	0.168
10	0.83	0.70	0.223	0.054	(0.058)	0.168
11	0.92	0.70	0.223	0.054	(0.058)	0.168
12	1.00	0.80	0.254	0.054	(0.066)	0.200
13	1.08	0.80	0.254	0.054	(0.066)	0.200
14	1.17	0.80	0.254	0.054	(0.066)	0.200
15	1.25	0.80	0.254	0.054	(0.066)	0.200
16	1.33	0.80	0.254	0.054	(0.066)	0.200
17	1.42	0.80	0.254	0.054	(0.066)	0.200
18	1.50	0.80	0.254	0.054	(0.066)	0.200
19	1.58	0.80	0.254	0.054	(0.066)	0.200
20	1.67	0.80	0.254	0.054	(0.066)	0.200
21	1.75	0.80	0.254	0.054	(0.066)	0.200
22	1.83	0.80	0.254	0.054	(0.066)	0.200
23	1.92	0.80	0.254	0.054	(0.066)	0.200
24	2.00	0.90	0.286	0.054	(0.074)	0.232
25	2.08	0.80	0.254	0.054	(0.066)	0.200
26	2.17	0.90	0.286	0.054	(0.074)	0.232
27	2.25	0.90	0.286	0.054	(0.074)	0.232
28	2.33	0.90	0.286	0.054	(0.074)	0.232
29	2.42	0.90	0.286	0.054	(0.074)	0.232
30	2.50	0.90	0.286	0.054	(0.074)	0.232
31	2.58	0.90	0.286	0.054	(0.074)	0.232
32	2.67	0.90	0.286	0.054	(0.074)	0.232
33	2.75	1.00	0.318	0.054	(0.083)	0.264
34	2.83	1.00	0.318	0.054	(0.083)	0.264
35	2.92	1.00	0.318	0.054	(0.083)	0.264
36	3.00	1.00	0.318	0.054	(0.083)	0.264
37	3.08	1.00	0.318	0.054	(0.083)	0.264
38	3.17	1.10	0.350	0.054	(0.091)	0.296
39	3.25	1.10	0.350	0.054	(0.091)	0.296
40	3.33	1.10	0.350	0.054	(0.091)	0.296
41	3.42	1.20	0.382	0.054	(0.099)	0.327
42	3.50	1.30	0.413	0.054	(0.107)	0.359
43	3.58	1.40	0.445	0.054	(0.116)	0.391
44	3.67	1.40	0.445	0.054	(0.116)	0.391
45	3.75	1.50	0.477	0.054	(0.124)	0.423
46	3.83	1.50	0.477	0.054	(0.124)	0.423
47	3.92	1.60	0.509	0.054	(0.132)	0.455

48	4.00	1.60	0.509	0.054	(0.132)	0.455
49	4.08	1.70	0.541	0.054	(0.141)	0.486
50	4.17	1.80	0.572	0.054	(0.149)	0.518
51	4.25	1.90	0.604	0.054	(0.157)	0.550
52	4.33	2.00	0.636	0.054	(0.165)	0.582
53	4.42	2.10	0.668	0.054	(0.174)	0.614
54	4.50	2.10	0.668	0.054	(0.174)	0.614
55	4.58	2.20	0.700	0.054	(0.182)	0.645
56	4.67	2.30	0.731	0.054	(0.190)	0.677
57	4.75	2.40	0.763	0.054	(0.198)	0.709
58	4.83	2.40	0.763	0.054	(0.198)	0.709
59	4.92	2.50	0.795	0.054	(0.207)	0.741
60	5.00	2.60	0.827	0.054	(0.215)	0.773
61	5.08	3.10	0.986	0.054	(0.256)	0.932
62	5.17	3.60	1.145	0.054	(0.298)	1.091
63	5.25	3.90	1.240	0.054	(0.322)	1.186
64	5.33	4.20	1.336	0.054	(0.347)	1.281
65	5.42	4.70	1.495	0.054	(0.389)	1.440
66	5.50	5.60	1.781	0.054	(0.463)	1.727
67	5.58	1.90	0.604	0.054	(0.157)	0.550
68	5.67	0.90	0.286	0.054	(0.074)	0.232
69	5.75	0.60	0.191	(0.054)	0.050	0.141
70	5.83	0.50	0.159	(0.054)	0.041	0.118
71	5.92	0.30	0.095	(0.054)	0.025	0.071
72	6.00	0.20	0.064	(0.054)	0.017	0.047

(Loss Rate Not Used)

Sum = 100.0

Sum = 28.0

Flood volume = Effective rainfall 2.33(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.32(In)
Total soil loss = 0.081(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 25925.9 Cubic Feet
Total soil loss = 3509.5 Cubic Feet

Peak flow rate of this hydrograph = 5.034(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0017	0.24	Q				
0+10	0.0045	0.41	VQ				
0+15	0.0075	0.44	VQ				
0+20	0.0105	0.44	VQ				

0+25	0.0135	0.44	VQ				
0+30	0.0169	0.49	Q				
0+35	0.0205	0.52	VQ				
0+40	0.0240	0.52	VQ				
0+45	0.0276	0.52	VQ				
0+50	0.0312	0.52	Q				
0+55	0.0348	0.52	Q				
1+ 0	0.0388	0.58	Q				
1+ 5	0.0431	0.62	Q				
1+10	0.0473	0.62	QV				
1+15	0.0516	0.62	QV				
1+20	0.0558	0.62	QV				
1+25	0.0601	0.62	Q V				
1+30	0.0643	0.62	Q V				
1+35	0.0686	0.62	Q V				
1+40	0.0728	0.62	Q V				
1+45	0.0771	0.62	Q V				
1+50	0.0813	0.62	Q V				
1+55	0.0856	0.62	Q V				
2+ 0	0.0903	0.68	Q V				
2+ 5	0.0948	0.65	Q V				
2+10	0.0995	0.68	Q V				
2+15	0.1044	0.72	Q V				
2+20	0.1093	0.72	Q V				
2+25	0.1143	0.72	Q V				
2+30	0.1192	0.72	Q V				
2+35	0.1241	0.72	Q V				
2+40	0.1290	0.72	Q V				
2+45	0.1344	0.78	Q V				
2+50	0.1400	0.81	Q V				
2+55	0.1456	0.81	Q V				
3+ 0	0.1512	0.81	Q V				
3+ 5	0.1568	0.81	Q V				
3+10	0.1629	0.88	Q V				
3+15	0.1692	0.91	Q V				
3+20	0.1754	0.91	Q V				
3+25	0.1822	0.98	Q V				
3+30	0.1896	1.08	Q V				
3+35	0.1977	1.17	Q V				
3+40	0.2060	1.21	Q V				
3+45	0.2147	1.27	Q V				
3+50	0.2237	1.30	Q V				
3+55	0.2332	1.37	Q V				
4+ 0	0.2428	1.40	Q V				
4+ 5	0.2529	1.47	Q V				
4+10	0.2637	1.57	Q V				
4+15	0.2752	1.66	Q V				
4+20	0.2873	1.76	Q V				
4+25	0.3001	1.86	Q V				
4+30	0.3132	1.89	Q V				

4+35	0.3266	1.96		Q		V		
4+40	0.3408	2.06		Q		V		
4+45	0.3557	2.15		Q		V		
4+50	0.3707	2.19		Q		V		
4+55	0.3862	2.25		Q		V		
5+ 0	0.4024	2.35		Q		V		
5+ 5	0.4211	2.71		Q		V		
5+10	0.4432	3.20			Q		V	
5+15	0.4677	3.56			Q		V	
5+20	0.4942	3.86			Q		V	
5+25	0.5237	4.28			Q		V	
5+30	0.5584	5.03				Q		V
5+35	0.5784	2.90			Q			V
5+40	0.5855	1.04		Q				V
5+45	0.5892	0.53	Q					V
5+50	0.5918	0.39	Q					V
5+55	0.5937	0.27	Q					V
6+ 0	0.5948	0.17	Q					V
6+ 5	0.5952	0.05	Q					V

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda33100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.054	(0.079)	0.251
2	0.17	1.30	0.306	0.054	(0.079)	0.251
3	0.25	1.10	0.259	0.054	(0.067)	0.204
4	0.33	1.50	0.353	0.054	(0.092)	0.299
5	0.42	1.50	0.353	0.054	(0.092)	0.299
6	0.50	1.80	0.423	0.054	(0.110)	0.369
7	0.58	1.50	0.353	0.054	(0.092)	0.299
8	0.67	1.80	0.423	0.054	(0.110)	0.369
9	0.75	1.80	0.423	0.054	(0.110)	0.369
10	0.83	1.50	0.353	0.054	(0.092)	0.299
11	0.92	1.60	0.376	0.054	(0.098)	0.322
12	1.00	1.80	0.423	0.054	(0.110)	0.369
13	1.08	2.20	0.517	0.054	(0.135)	0.463
14	1.17	2.20	0.517	0.054	(0.135)	0.463
15	1.25	2.20	0.517	0.054	(0.135)	0.463
16	1.33	2.00	0.470	0.054	(0.122)	0.416
17	1.42	2.60	0.612	0.054	(0.159)	0.557
18	1.50	2.70	0.635	0.054	(0.165)	0.581
19	1.58	2.40	0.564	0.054	(0.147)	0.510
20	1.67	2.70	0.635	0.054	(0.165)	0.581
21	1.75	3.30	0.776	0.054	(0.202)	0.722
22	1.83	3.10	0.729	0.054	(0.190)	0.675
23	1.92	2.90	0.682	0.054	(0.177)	0.628
24	2.00	3.00	0.706	0.054	(0.183)	0.651
25	2.08	3.10	0.729	0.054	(0.190)	0.675
26	2.17	4.20	0.988	0.054	(0.257)	0.934
27	2.25	5.00	1.176	0.054	(0.306)	1.122
28	2.33	3.50	0.823	0.054	(0.214)	0.769
29	2.42	6.80	1.599	0.054	(0.416)	1.545
30	2.50	7.30	1.717	0.054	(0.446)	1.663
31	2.58	8.20	1.929	0.054	(0.501)	1.874
32	2.67	5.90	1.388	0.054	(0.361)	1.333
33	2.75	2.00	0.470	0.054	(0.122)	0.416
34	2.83	1.80	0.423	0.054	(0.110)	0.369
35	2.92	1.80	0.423	0.054	(0.110)	0.369
36	3.00	0.60	0.141	(0.054)	0.037	0.104

(Loss Rate Not Used)

Sum = 100.0

Sum = 21.6

Flood volume = Effective rainfall 1.80(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 0.16(In)
Total soil loss = 0.041(Ac.Ft)
Total rainfall = 1.96(In)
Flood volume = 19978.6 Cubic Feet
Total soil loss = 1792.4 Cubic Feet

Peak flow rate of this hydrograph = 5.567(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0036	0.52	V Q					
0+10	0.0089	0.78	V Q					
0+15	0.0136	0.68	VQ					
0+20	0.0193	0.82	V Q					
0+25	0.0256	0.92	VQ					
0+30	0.0330	1.07	V Q					
0+35	0.0398	0.99	Q					
0+40	0.0471	1.07	Q					
0+45	0.0550	1.14	Q					
0+50	0.0618	0.99	Q V					
0+55	0.0685	0.97	Q V					
1+ 0	0.0760	1.09	Q V					
1+ 5	0.0852	1.33	Q V					
1+10	0.0950	1.43	Q V					
1+15	0.1049	1.43	Q V					
1+20	0.1141	1.33	Q V					
1+25	0.1249	1.57	Q V					
1+30	0.1371	1.77	Q V					
1+35	0.1484	1.65	Q V					
1+40	0.1603	1.72	Q V					
1+45	0.1746	2.08	Q V					
1+50	0.1893	2.13	Q V					
1+55	0.2030	1.99	Q V					
2+ 0	0.2166	1.99	Q V					
2+ 5	0.2308	2.06	Q V					
2+10	0.2488	2.62	Q V					
2+15	0.2713	3.27	Q V					
2+20	0.2902	2.73	Q V					
2+25	0.3175	3.97	Q V					
2+30	0.3520	5.01	Q V					
2+35	0.3904	5.57	Q V					
2+40	0.4225	4.67	Q V					
2+45	0.4378	2.22	Q V					
2+50	0.4460	1.19	Q V					
2+55	0.4538	1.14	Q V					
3+ 0	0.4579	0.59	Q V					
3+ 5	0.4586	0.11	Q V					

Unit Hydrograph Analysis

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Study date 09/25/24 File: 249pda31100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 100 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800
Total Area Entered = 3.06(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm = 0.5000

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	2.061
2	0.167	853.130	1.023
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.054	(0.162)	0.571
2	0.17	4.30	0.640	0.054	(0.166)	0.586
3	0.25	5.00	0.744	0.054	(0.193)	0.690
4	0.33	5.00	0.744	0.054	(0.193)	0.690
5	0.42	5.80	0.863	0.054	(0.224)	0.809
6	0.50	6.50	0.967	0.054	(0.251)	0.913
7	0.58	7.40	1.101	0.054	(0.286)	1.047
8	0.67	8.60	1.280	0.054	(0.333)	1.225
9	0.75	12.30	1.830	0.054	(0.476)	1.776
10	0.83	29.10	4.330	0.054	(1.126)	4.276
11	0.92	6.80	1.012	0.054	(0.263)	0.958
12	1.00	5.00	0.744	0.054	(0.193)	0.690

(Loss Rate Not Used)

Sum = 100.0

Sum = 14.2

Flood volume = Effective rainfall 1.19(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)

Total soil loss = 0.05(In)

Total soil loss = 0.014(Ac.Ft)

Total rainfall = 1.24(In)

Flood volume = 13170.4 Cubic Feet

Total soil loss = 602.9 Cubic Feet

Peak flow rate of this hydrograph = 10.634(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0081	1.18	VQ				
0+10	0.0204	1.79	VQ				
0+15	0.0344	2.02	Q				
0+20	0.0490	2.13	Q V				
0+25	0.0654	2.37	Q V				
0+30	0.0840	2.71	Q	V			
0+35	0.1053	3.09	Q	V			
0+40	0.1301	3.60	Q		V		
0+45	0.1640	4.92	Q		V		
0+50	0.2372	10.63			Q	V	
0+55	0.2809	6.35		Q			V
1+ 0	0.2975	2.40	Q				V

1+ 5

0.3024

0.71 |Q

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Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda32410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	426.565	66.831	2.061
2 0.167	853.130	33.169	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.185)	0.006	0.018
2	0.17	0.07	0.025	(0.184)	0.006	0.018
3	0.25	0.07	0.025	(0.184)	0.006	0.018
4	0.33	0.10	0.037	(0.183)	0.010	0.027
5	0.42	0.10	0.037	(0.182)	0.010	0.027
6	0.50	0.10	0.037	(0.181)	0.010	0.027
7	0.58	0.10	0.037	(0.181)	0.010	0.027
8	0.67	0.10	0.037	(0.180)	0.010	0.027
9	0.75	0.10	0.037	(0.179)	0.010	0.027
10	0.83	0.13	0.049	(0.179)	0.013	0.036
11	0.92	0.13	0.049	(0.178)	0.013	0.036
12	1.00	0.13	0.049	(0.177)	0.013	0.036
13	1.08	0.10	0.037	(0.177)	0.010	0.027
14	1.17	0.10	0.037	(0.176)	0.010	0.027
15	1.25	0.10	0.037	(0.175)	0.010	0.027
16	1.33	0.10	0.037	(0.174)	0.010	0.027
17	1.42	0.10	0.037	(0.174)	0.010	0.027
18	1.50	0.10	0.037	(0.173)	0.010	0.027
19	1.58	0.10	0.037	(0.172)	0.010	0.027
20	1.67	0.10	0.037	(0.172)	0.010	0.027
21	1.75	0.10	0.037	(0.171)	0.010	0.027
22	1.83	0.13	0.049	(0.170)	0.013	0.036
23	1.92	0.13	0.049	(0.170)	0.013	0.036
24	2.00	0.13	0.049	(0.169)	0.013	0.036
25	2.08	0.13	0.049	(0.168)	0.013	0.036
26	2.17	0.13	0.049	(0.168)	0.013	0.036
27	2.25	0.13	0.049	(0.167)	0.013	0.036
28	2.33	0.13	0.049	(0.166)	0.013	0.036
29	2.42	0.13	0.049	(0.166)	0.013	0.036
30	2.50	0.13	0.049	(0.165)	0.013	0.036
31	2.58	0.17	0.061	(0.164)	0.016	0.045
32	2.67	0.17	0.061	(0.164)	0.016	0.045
33	2.75	0.17	0.061	(0.163)	0.016	0.045
34	2.83	0.17	0.061	(0.162)	0.016	0.045
35	2.92	0.17	0.061	(0.161)	0.016	0.045
36	3.00	0.17	0.061	(0.161)	0.016	0.045
37	3.08	0.17	0.061	(0.160)	0.016	0.045
38	3.17	0.17	0.061	(0.159)	0.016	0.045
39	3.25	0.17	0.061	(0.159)	0.016	0.045
40	3.33	0.17	0.061	(0.158)	0.016	0.045
41	3.42	0.17	0.061	(0.158)	0.016	0.045
42	3.50	0.17	0.061	(0.157)	0.016	0.045
43	3.58	0.17	0.061	(0.156)	0.016	0.045
44	3.67	0.17	0.061	(0.156)	0.016	0.045
45	3.75	0.17	0.061	(0.155)	0.016	0.045
46	3.83	0.20	0.074	(0.154)	0.019	0.055
47	3.92	0.20	0.074	(0.154)	0.019	0.055

48	4.00	0.20	0.074	(0.153)	0.019	0.055
49	4.08	0.20	0.074	(0.152)	0.019	0.055
50	4.17	0.20	0.074	(0.152)	0.019	0.055
51	4.25	0.20	0.074	(0.151)	0.019	0.055
52	4.33	0.23	0.086	(0.150)	0.022	0.064
53	4.42	0.23	0.086	(0.150)	0.022	0.064
54	4.50	0.23	0.086	(0.149)	0.022	0.064
55	4.58	0.23	0.086	(0.148)	0.022	0.064
56	4.67	0.23	0.086	(0.148)	0.022	0.064
57	4.75	0.23	0.086	(0.147)	0.022	0.064
58	4.83	0.27	0.098	(0.147)	0.026	0.073
59	4.92	0.27	0.098	(0.146)	0.026	0.073
60	5.00	0.27	0.098	(0.145)	0.026	0.073
61	5.08	0.20	0.074	(0.145)	0.019	0.055
62	5.17	0.20	0.074	(0.144)	0.019	0.055
63	5.25	0.20	0.074	(0.143)	0.019	0.055
64	5.33	0.23	0.086	(0.143)	0.022	0.064
65	5.42	0.23	0.086	(0.142)	0.022	0.064
66	5.50	0.23	0.086	(0.141)	0.022	0.064
67	5.58	0.27	0.098	(0.141)	0.026	0.073
68	5.67	0.27	0.098	(0.140)	0.026	0.073
69	5.75	0.27	0.098	(0.140)	0.026	0.073
70	5.83	0.27	0.098	(0.139)	0.026	0.073
71	5.92	0.27	0.098	(0.138)	0.026	0.073
72	6.00	0.27	0.098	(0.138)	0.026	0.073
73	6.08	0.30	0.111	(0.137)	0.029	0.082
74	6.17	0.30	0.111	(0.137)	0.029	0.082
75	6.25	0.30	0.111	(0.136)	0.029	0.082
76	6.33	0.30	0.111	(0.135)	0.029	0.082
77	6.42	0.30	0.111	(0.135)	0.029	0.082
78	6.50	0.30	0.111	(0.134)	0.029	0.082
79	6.58	0.33	0.123	(0.134)	0.032	0.091
80	6.67	0.33	0.123	(0.133)	0.032	0.091
81	6.75	0.33	0.123	(0.132)	0.032	0.091
82	6.83	0.33	0.123	(0.132)	0.032	0.091
83	6.92	0.33	0.123	(0.131)	0.032	0.091
84	7.00	0.33	0.123	(0.131)	0.032	0.091
85	7.08	0.33	0.123	(0.130)	0.032	0.091
86	7.17	0.33	0.123	(0.129)	0.032	0.091
87	7.25	0.33	0.123	(0.129)	0.032	0.091
88	7.33	0.37	0.135	(0.128)	0.035	0.100
89	7.42	0.37	0.135	(0.128)	0.035	0.100
90	7.50	0.37	0.135	(0.127)	0.035	0.100
91	7.58	0.40	0.148	(0.126)	0.038	0.109
92	7.67	0.40	0.148	(0.126)	0.038	0.109
93	7.75	0.40	0.148	(0.125)	0.038	0.109
94	7.83	0.43	0.160	(0.125)	0.042	0.118
95	7.92	0.43	0.160	(0.124)	0.042	0.118
96	8.00	0.43	0.160	(0.124)	0.042	0.118
97	8.08	0.50	0.184	(0.123)	0.048	0.136

98	8.17	0.50	0.184	(0.122)	0.048	0.136
99	8.25	0.50	0.184	(0.122)	0.048	0.136
100	8.33	0.50	0.184	(0.121)	0.048	0.136
101	8.42	0.50	0.184	(0.121)	0.048	0.136
102	8.50	0.50	0.184	(0.120)	0.048	0.136
103	8.58	0.53	0.197	(0.120)	0.051	0.146
104	8.67	0.53	0.197	(0.119)	0.051	0.146
105	8.75	0.53	0.197	(0.118)	0.051	0.146
106	8.83	0.57	0.209	(0.118)	0.054	0.155
107	8.92	0.57	0.209	(0.117)	0.054	0.155
108	9.00	0.57	0.209	(0.117)	0.054	0.155
109	9.08	0.63	0.234	(0.116)	0.061	0.173
110	9.17	0.63	0.234	(0.116)	0.061	0.173
111	9.25	0.63	0.234	(0.115)	0.061	0.173
112	9.33	0.67	0.246	(0.115)	0.064	0.182
113	9.42	0.67	0.246	(0.114)	0.064	0.182
114	9.50	0.67	0.246	(0.113)	0.064	0.182
115	9.58	0.70	0.258	(0.113)	0.067	0.191
116	9.67	0.70	0.258	(0.112)	0.067	0.191
117	9.75	0.70	0.258	(0.112)	0.067	0.191
118	9.83	0.73	0.270	(0.111)	0.070	0.200
119	9.92	0.73	0.270	(0.111)	0.070	0.200
120	10.00	0.73	0.270	(0.110)	0.070	0.200
121	10.08	0.50	0.184	(0.110)	0.048	0.136
122	10.17	0.50	0.184	(0.109)	0.048	0.136
123	10.25	0.50	0.184	(0.109)	0.048	0.136
124	10.33	0.50	0.184	(0.108)	0.048	0.136
125	10.42	0.50	0.184	(0.108)	0.048	0.136
126	10.50	0.50	0.184	(0.107)	0.048	0.136
127	10.58	0.67	0.246	(0.107)	0.064	0.182
128	10.67	0.67	0.246	(0.106)	0.064	0.182
129	10.75	0.67	0.246	(0.105)	0.064	0.182
130	10.83	0.67	0.246	(0.105)	0.064	0.182
131	10.92	0.67	0.246	(0.104)	0.064	0.182
132	11.00	0.67	0.246	(0.104)	0.064	0.182
133	11.08	0.63	0.234	(0.103)	0.061	0.173
134	11.17	0.63	0.234	(0.103)	0.061	0.173
135	11.25	0.63	0.234	(0.102)	0.061	0.173
136	11.33	0.63	0.234	(0.102)	0.061	0.173
137	11.42	0.63	0.234	(0.101)	0.061	0.173
138	11.50	0.63	0.234	(0.101)	0.061	0.173
139	11.58	0.57	0.209	(0.100)	0.054	0.155
140	11.67	0.57	0.209	(0.100)	0.054	0.155
141	11.75	0.57	0.209	(0.099)	0.054	0.155
142	11.83	0.60	0.221	(0.099)	0.058	0.164
143	11.92	0.60	0.221	(0.098)	0.058	0.164
144	12.00	0.60	0.221	(0.098)	0.058	0.164
145	12.08	0.83	0.307	(0.097)	0.080	0.227
146	12.17	0.83	0.307	(0.097)	0.080	0.227
147	12.25	0.83	0.307	(0.096)	0.080	0.227

148	12.33	0.87	0.320	(0.096)	0.083	0.237
149	12.42	0.87	0.320	(0.096)	0.083	0.237
150	12.50	0.87	0.320	(0.095)	0.083	0.237
151	12.58	0.93	0.344	(0.095)	0.090	0.255
152	12.67	0.93	0.344	(0.094)	0.090	0.255
153	12.75	0.93	0.344	(0.094)	0.090	0.255
154	12.83	0.97	0.357	(0.093)	0.093	0.264
155	12.92	0.97	0.357	0.093	(0.093)	0.264
156	13.00	0.97	0.357	0.092	(0.093)	0.264
157	13.08	1.13	0.418	0.092	(0.109)	0.326
158	13.17	1.13	0.418	0.091	(0.109)	0.327
159	13.25	1.13	0.418	0.091	(0.109)	0.327
160	13.33	1.13	0.418	0.090	(0.109)	0.328
161	13.42	1.13	0.418	0.090	(0.109)	0.328
162	13.50	1.13	0.418	0.089	(0.109)	0.329
163	13.58	0.77	0.283	(0.089)	0.074	0.209
164	13.67	0.77	0.283	(0.088)	0.074	0.209
165	13.75	0.77	0.283	(0.088)	0.074	0.209
166	13.83	0.77	0.283	(0.088)	0.074	0.209
167	13.92	0.77	0.283	(0.087)	0.074	0.209
168	14.00	0.77	0.283	(0.087)	0.074	0.209
169	14.08	0.90	0.332	0.086	(0.086)	0.246
170	14.17	0.90	0.332	0.086	(0.086)	0.246
171	14.25	0.90	0.332	0.085	(0.086)	0.247
172	14.33	0.87	0.320	(0.085)	0.083	0.237
173	14.42	0.87	0.320	(0.085)	0.083	0.237
174	14.50	0.87	0.320	(0.084)	0.083	0.237
175	14.58	0.87	0.320	(0.084)	0.083	0.237
176	14.67	0.87	0.320	(0.083)	0.083	0.237
177	14.75	0.87	0.320	0.083	(0.083)	0.237
178	14.83	0.83	0.307	(0.082)	0.080	0.227
179	14.92	0.83	0.307	(0.082)	0.080	0.227
180	15.00	0.83	0.307	(0.082)	0.080	0.227
181	15.08	0.80	0.295	(0.081)	0.077	0.218
182	15.17	0.80	0.295	(0.081)	0.077	0.218
183	15.25	0.80	0.295	(0.080)	0.077	0.218
184	15.33	0.77	0.283	(0.080)	0.074	0.209
185	15.42	0.77	0.283	(0.079)	0.074	0.209
186	15.50	0.77	0.283	(0.079)	0.074	0.209
187	15.58	0.63	0.234	(0.079)	0.061	0.173
188	15.67	0.63	0.234	(0.078)	0.061	0.173
189	15.75	0.63	0.234	(0.078)	0.061	0.173
190	15.83	0.63	0.234	(0.077)	0.061	0.173
191	15.92	0.63	0.234	(0.077)	0.061	0.173
192	16.00	0.63	0.234	(0.077)	0.061	0.173
193	16.08	0.13	0.049	(0.076)	0.013	0.036
194	16.17	0.13	0.049	(0.076)	0.013	0.036
195	16.25	0.13	0.049	(0.075)	0.013	0.036
196	16.33	0.13	0.049	(0.075)	0.013	0.036
197	16.42	0.13	0.049	(0.075)	0.013	0.036

198	16.50	0.13	0.049	(0.074)	0.013	0.036
199	16.58	0.10	0.037	(0.074)	0.010	0.027
200	16.67	0.10	0.037	(0.074)	0.010	0.027
201	16.75	0.10	0.037	(0.073)	0.010	0.027
202	16.83	0.10	0.037	(0.073)	0.010	0.027
203	16.92	0.10	0.037	(0.072)	0.010	0.027
204	17.00	0.10	0.037	(0.072)	0.010	0.027
205	17.08	0.17	0.061	(0.072)	0.016	0.045
206	17.17	0.17	0.061	(0.071)	0.016	0.045
207	17.25	0.17	0.061	(0.071)	0.016	0.045
208	17.33	0.17	0.061	(0.071)	0.016	0.045
209	17.42	0.17	0.061	(0.070)	0.016	0.045
210	17.50	0.17	0.061	(0.070)	0.016	0.045
211	17.58	0.17	0.061	(0.070)	0.016	0.045
212	17.67	0.17	0.061	(0.069)	0.016	0.045
213	17.75	0.17	0.061	(0.069)	0.016	0.045
214	17.83	0.13	0.049	(0.069)	0.013	0.036
215	17.92	0.13	0.049	(0.068)	0.013	0.036
216	18.00	0.13	0.049	(0.068)	0.013	0.036
217	18.08	0.13	0.049	(0.068)	0.013	0.036
218	18.17	0.13	0.049	(0.067)	0.013	0.036
219	18.25	0.13	0.049	(0.067)	0.013	0.036
220	18.33	0.13	0.049	(0.067)	0.013	0.036
221	18.42	0.13	0.049	(0.066)	0.013	0.036
222	18.50	0.13	0.049	(0.066)	0.013	0.036
223	18.58	0.10	0.037	(0.066)	0.010	0.027
224	18.67	0.10	0.037	(0.065)	0.010	0.027
225	18.75	0.10	0.037	(0.065)	0.010	0.027
226	18.83	0.07	0.025	(0.065)	0.006	0.018
227	18.92	0.07	0.025	(0.064)	0.006	0.018
228	19.00	0.07	0.025	(0.064)	0.006	0.018
229	19.08	0.10	0.037	(0.064)	0.010	0.027
230	19.17	0.10	0.037	(0.063)	0.010	0.027
231	19.25	0.10	0.037	(0.063)	0.010	0.027
232	19.33	0.13	0.049	(0.063)	0.013	0.036
233	19.42	0.13	0.049	(0.063)	0.013	0.036
234	19.50	0.13	0.049	(0.062)	0.013	0.036
235	19.58	0.10	0.037	(0.062)	0.010	0.027
236	19.67	0.10	0.037	(0.062)	0.010	0.027
237	19.75	0.10	0.037	(0.061)	0.010	0.027
238	19.83	0.07	0.025	(0.061)	0.006	0.018
239	19.92	0.07	0.025	(0.061)	0.006	0.018
240	20.00	0.07	0.025	(0.061)	0.006	0.018
241	20.08	0.10	0.037	(0.060)	0.010	0.027
242	20.17	0.10	0.037	(0.060)	0.010	0.027
243	20.25	0.10	0.037	(0.060)	0.010	0.027
244	20.33	0.10	0.037	(0.060)	0.010	0.027
245	20.42	0.10	0.037	(0.059)	0.010	0.027
246	20.50	0.10	0.037	(0.059)	0.010	0.027
247	20.58	0.10	0.037	(0.059)	0.010	0.027

248	20.67	0.10	0.037	(0.059)	0.010	0.027
249	20.75	0.10	0.037	(0.058)	0.010	0.027
250	20.83	0.07	0.025	(0.058)	0.006	0.018
251	20.92	0.07	0.025	(0.058)	0.006	0.018
252	21.00	0.07	0.025	(0.058)	0.006	0.018
253	21.08	0.10	0.037	(0.057)	0.010	0.027
254	21.17	0.10	0.037	(0.057)	0.010	0.027
255	21.25	0.10	0.037	(0.057)	0.010	0.027
256	21.33	0.07	0.025	(0.057)	0.006	0.018
257	21.42	0.07	0.025	(0.057)	0.006	0.018
258	21.50	0.07	0.025	(0.056)	0.006	0.018
259	21.58	0.10	0.037	(0.056)	0.010	0.027
260	21.67	0.10	0.037	(0.056)	0.010	0.027
261	21.75	0.10	0.037	(0.056)	0.010	0.027
262	21.83	0.07	0.025	(0.055)	0.006	0.018
263	21.92	0.07	0.025	(0.055)	0.006	0.018
264	22.00	0.07	0.025	(0.055)	0.006	0.018
265	22.08	0.10	0.037	(0.055)	0.010	0.027
266	22.17	0.10	0.037	(0.055)	0.010	0.027
267	22.25	0.10	0.037	(0.055)	0.010	0.027
268	22.33	0.07	0.025	(0.054)	0.006	0.018
269	22.42	0.07	0.025	(0.054)	0.006	0.018
270	22.50	0.07	0.025	(0.054)	0.006	0.018
271	22.58	0.07	0.025	(0.054)	0.006	0.018
272	22.67	0.07	0.025	(0.054)	0.006	0.018
273	22.75	0.07	0.025	(0.054)	0.006	0.018
274	22.83	0.07	0.025	(0.053)	0.006	0.018
275	22.92	0.07	0.025	(0.053)	0.006	0.018
276	23.00	0.07	0.025	(0.053)	0.006	0.018
277	23.08	0.07	0.025	(0.053)	0.006	0.018
278	23.17	0.07	0.025	(0.053)	0.006	0.018
279	23.25	0.07	0.025	(0.053)	0.006	0.018
280	23.33	0.07	0.025	(0.053)	0.006	0.018
281	23.42	0.07	0.025	(0.053)	0.006	0.018
282	23.50	0.07	0.025	(0.053)	0.006	0.018
283	23.58	0.07	0.025	(0.052)	0.006	0.018
284	23.67	0.07	0.025	(0.052)	0.006	0.018
285	23.75	0.07	0.025	(0.052)	0.006	0.018
286	23.83	0.07	0.025	(0.052)	0.006	0.018
287	23.92	0.07	0.025	(0.052)	0.006	0.018
288	24.00	0.07	0.025	(0.052)	0.006	0.018

(Loss Rate Not Used)

Sum = 100.0

Sum = 27.4

Flood volume = Effective rainfall 2.28(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)

Total soil loss = 0.79(In)

Total soil loss = 0.201(Ac.Ft)

Total rainfall = 3.07(In)

Flood volume = 25368.0 Cubic Feet

Total soil loss = 8774.1 Cubic Feet

Peak flow rate of this hydrograph = 1.013(CFS)

+++++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0003	0.04	Q					
0+10	0.0006	0.06	Q					
0+15	0.0010	0.06	Q					
0+20	0.0015	0.07	Q					
0+25	0.0021	0.08	Q					
0+30	0.0027	0.08	Q					
0+35	0.0033	0.08	Q					
0+40	0.0039	0.08	Q					
0+45	0.0044	0.08	Q					
0+50	0.0052	0.10	Q					
0+55	0.0059	0.11	Q					
1+ 0	0.0067	0.11	Q					
1+ 5	0.0073	0.09	Q					
1+10	0.0079	0.08	Q					
1+15	0.0085	0.08	Q					
1+20	0.0091	0.08	Q					
1+25	0.0097	0.08	Q					
1+30	0.0102	0.08	Q					
1+35	0.0108	0.08	Q					
1+40	0.0114	0.08	Q					
1+45	0.0120	0.08	Q					
1+50	0.0127	0.10	Q					
1+55	0.0135	0.11	Q					
2+ 0	0.0142	0.11	Q					
2+ 5	0.0150	0.11	QV					
2+10	0.0158	0.11	QV					
2+15	0.0166	0.11	QV					
2+20	0.0173	0.11	QV					
2+25	0.0181	0.11	QV					
2+30	0.0189	0.11	QV					
2+35	0.0198	0.13	QV					
2+40	0.0208	0.14	QV					
2+45	0.0217	0.14	QV					
2+50	0.0227	0.14	QV					
2+55	0.0237	0.14	QV					
3+ 0	0.0246	0.14	QV					
3+ 5	0.0256	0.14	QV					
3+10	0.0266	0.14	QV					

3+15	0.0275	0.14	QV				
3+20	0.0285	0.14	QV				
3+25	0.0295	0.14	Q V				
3+30	0.0304	0.14	Q V				
3+35	0.0314	0.14	Q V				
3+40	0.0324	0.14	Q V				
3+45	0.0333	0.14	Q V				
3+50	0.0344	0.16	Q V				
3+55	0.0356	0.17	Q V				
4+ 0	0.0367	0.17	Q V				
4+ 5	0.0379	0.17	Q V				
4+10	0.0391	0.17	Q V				
4+15	0.0402	0.17	Q V				
4+20	0.0415	0.19	Q V				
4+25	0.0429	0.20	Q V				
4+30	0.0442	0.20	Q V				
4+35	0.0456	0.20	Q V				
4+40	0.0469	0.20	Q V				
4+45	0.0483	0.20	Q V				
4+50	0.0498	0.22	Q V				
4+55	0.0513	0.22	Q V				
5+ 0	0.0528	0.22	Q V				
5+ 5	0.0541	0.19	Q V				
5+10	0.0553	0.17	Q V				
5+15	0.0565	0.17	Q V				
5+20	0.0577	0.19	Q V				
5+25	0.0591	0.20	Q V				
5+30	0.0605	0.20	Q V				
5+35	0.0619	0.22	Q V				
5+40	0.0635	0.22	Q V				
5+45	0.0650	0.22	Q V				
5+50	0.0666	0.22	Q V				
5+55	0.0681	0.22	Q V				
6+ 0	0.0697	0.22	Q V				
6+ 5	0.0713	0.24	Q V				
6+10	0.0731	0.25	Q V				
6+15	0.0748	0.25	Q V				
6+20	0.0766	0.25	Q V				
6+25	0.0783	0.25	Q V				
6+30	0.0800	0.25	Q V				
6+35	0.0819	0.27	Q V				
6+40	0.0838	0.28	Q V				
6+45	0.0858	0.28	Q V				
6+50	0.0877	0.28	Q V				
6+55	0.0896	0.28	Q V				
7+ 0	0.0916	0.28	Q V				
7+ 5	0.0935	0.28	Q V				
7+10	0.0954	0.28	Q V				
7+15	0.0974	0.28	Q V				
7+20	0.0994	0.30	Q V				

7+25	0.1016	0.31	Q	V				
7+30	0.1037	0.31	Q	V				
7+35	0.1060	0.33	Q	V				
7+40	0.1083	0.34	Q	V				
7+45	0.1106	0.34	Q	V				
7+50	0.1130	0.36	Q	V				
7+55	0.1156	0.36	Q	V				
8+ 0	0.1181	0.36	Q	V				
8+ 5	0.1208	0.40	Q	V				
8+10	0.1237	0.42	Q	V				
8+15	0.1266	0.42	Q	V				
8+20	0.1295	0.42	Q	V				
8+25	0.1324	0.42	Q	V				
8+30	0.1353	0.42	Q	V				
8+35	0.1384	0.44	Q	V				
8+40	0.1415	0.45	Q	V				
8+45	0.1446	0.45	Q	V				
8+50	0.1478	0.47	Q	V				
8+55	0.1511	0.48	Q	V				
9+ 0	0.1544	0.48	Q	V				
9+ 5	0.1579	0.51	Q	V				
9+10	0.1616	0.53	Q	V				
9+15	0.1652	0.53	Q	V				
9+20	0.1690	0.55	Q	V				
9+25	0.1729	0.56	Q	V				
9+30	0.1768	0.56	Q	V				
9+35	0.1808	0.58	Q	V				
9+40	0.1848	0.59	Q	V				
9+45	0.1889	0.59	Q	V				
9+50	0.1931	0.61	Q	V				
9+55	0.1973	0.62	Q	V				
10+ 0	0.2016	0.62	Q	V				
10+ 5	0.2049	0.49	Q	V				
10+10	0.2078	0.42	Q	V				
10+15	0.2107	0.42	Q	V				
10+20	0.2136	0.42	Q	V				
10+25	0.2165	0.42	Q	V				
10+30	0.2194	0.42	Q	V				
10+35	0.2230	0.51	Q	V				
10+40	0.2269	0.56	Q	V				
10+45	0.2307	0.56	Q	V				
10+50	0.2346	0.56	Q	V				
10+55	0.2385	0.56	Q	V				
11+ 0	0.2423	0.56	Q	V				
11+ 5	0.2461	0.54	Q	V				
11+10	0.2497	0.53	Q	V				
11+15	0.2534	0.53	Q	V				
11+20	0.2571	0.53	Q	V				
11+25	0.2608	0.53	Q	V				
11+30	0.2644	0.53	Q	V				

11+35	0.2678	0.50	Q	V			
11+40	0.2711	0.48	Q	V			
11+45	0.2744	0.48	Q	V			
11+50	0.2778	0.50	Q	V			
11+55	0.2813	0.51	Q	V			
12+ 0	0.2848	0.51	Q	V			
12+ 5	0.2892	0.64	Q	V			
12+10	0.2940	0.70	Q	V			
12+15	0.2988	0.70	Q	V			
12+20	0.3038	0.72	Q	V			
12+25	0.3088	0.73	Q	V			
12+30	0.3139	0.73	Q	V			
12+35	0.3191	0.77	Q	V			
12+40	0.3246	0.79	Q	V			
12+45	0.3300	0.79	Q	V			
12+50	0.3355	0.80	Q	V			
12+55	0.3411	0.81	Q	V			
13+ 0	0.3467	0.82	Q	V			
13+ 5	0.3532	0.94	Q	V			
13+10	0.3602	1.01	Q	V			
13+15	0.3671	1.01	Q	V			
13+20	0.3741	1.01	Q	V			
13+25	0.3811	1.01	Q	V			
13+30	0.3880	1.01	Q	V			
13+35	0.3933	0.77	Q	V			
13+40	0.3978	0.65	Q	V			
13+45	0.4022	0.65	Q	V			
13+50	0.4067	0.65	Q	V			
13+55	0.4111	0.65	Q	V			
14+ 0	0.4156	0.65	Q	V			
14+ 5	0.4205	0.72	Q	V			
14+10	0.4257	0.76	Q	V			
14+15	0.4310	0.76	Q	V			
14+20	0.4361	0.74	Q	V			
14+25	0.4411	0.73	Q	V			
14+30	0.4461	0.73	Q	V			
14+35	0.4512	0.73	Q	V			
14+40	0.4562	0.73	Q	V			
14+45	0.4612	0.73	Q	V			
14+50	0.4661	0.71	Q	V			
14+55	0.4710	0.70	Q	V			
15+ 0	0.4758	0.70	Q	V			
15+ 5	0.4805	0.68	Q	V			
15+10	0.4851	0.67	Q	V			
15+15	0.4898	0.67	Q	V			
15+20	0.4943	0.65	Q	V			
15+25	0.4987	0.65	Q	V			
15+30	0.5032	0.65	Q	V			
15+35	0.5071	0.57	Q	V			
15+40	0.5108	0.53	Q	V			

15+45	0.5144	0.53	Q				V
15+50	0.5181	0.53	Q				V
15+55	0.5218	0.53	Q				V
16+ 0	0.5255	0.53	Q				V
16+ 5	0.5272	0.25	Q				V
16+10	0.5280	0.11	Q				V
16+15	0.5288	0.11	Q				V
16+20	0.5295	0.11	Q				V
16+25	0.5303	0.11	Q				V
16+30	0.5311	0.11	Q				V
16+35	0.5317	0.09	Q				V
16+40	0.5323	0.08	Q				V
16+45	0.5329	0.08	Q				V
16+50	0.5335	0.08	Q				V
16+55	0.5340	0.08	Q				V
17+ 0	0.5346	0.08	Q				V
17+ 5	0.5355	0.12	Q				V
17+10	0.5364	0.14	Q				V
17+15	0.5374	0.14	Q				V
17+20	0.5384	0.14	Q				V
17+25	0.5393	0.14	Q				V
17+30	0.5403	0.14	Q				V
17+35	0.5413	0.14	Q				V
17+40	0.5422	0.14	Q				V
17+45	0.5432	0.14	Q				V
17+50	0.5440	0.12	Q				V
17+55	0.5448	0.11	Q				V
18+ 0	0.5456	0.11	Q				V
18+ 5	0.5463	0.11	Q				V
18+10	0.5471	0.11	Q				V
18+15	0.5479	0.11	Q				V
18+20	0.5487	0.11	Q				V
18+25	0.5494	0.11	Q				V
18+30	0.5502	0.11	Q				V
18+35	0.5509	0.09	Q				V
18+40	0.5514	0.08	Q				V
18+45	0.5520	0.08	Q				V
18+50	0.5525	0.07	Q				V
18+55	0.5529	0.06	Q				V
19+ 0	0.5532	0.06	Q				V
19+ 5	0.5538	0.07	Q				V
19+10	0.5543	0.08	Q				V
19+15	0.5549	0.08	Q				V
19+20	0.5556	0.10	Q				V
19+25	0.5564	0.11	Q				V
19+30	0.5572	0.11	Q				V
19+35	0.5578	0.09	Q				V
19+40	0.5584	0.08	Q				V
19+45	0.5590	0.08	Q				V
19+50	0.5594	0.07	Q				V

19+55	0.5598	0.06	Q				V
20+ 0	0.5602	0.06	Q				V
20+ 5	0.5607	0.07	Q				V
20+10	0.5613	0.08	Q				V
20+15	0.5619	0.08	Q				V
20+20	0.5625	0.08	Q				V
20+25	0.5630	0.08	Q				V
20+30	0.5636	0.08	Q				V
20+35	0.5642	0.08	Q				V
20+40	0.5648	0.08	Q				V
20+45	0.5654	0.08	Q				V
20+50	0.5658	0.07	Q				V
20+55	0.5662	0.06	Q				V
21+ 0	0.5666	0.06	Q				V
21+ 5	0.5671	0.07	Q				V
21+10	0.5677	0.08	Q				V
21+15	0.5683	0.08	Q				V
21+20	0.5687	0.07	Q				V
21+25	0.5691	0.06	Q				V
21+30	0.5695	0.06	Q				V
21+35	0.5700	0.07	Q				V
21+40	0.5706	0.08	Q				V
21+45	0.5712	0.08	Q				V
21+50	0.5716	0.07	Q				V
21+55	0.5720	0.06	Q				V
22+ 0	0.5724	0.06	Q				V
22+ 5	0.5729	0.07	Q				V
22+10	0.5735	0.08	Q				V
22+15	0.5741	0.08	Q				V
22+20	0.5745	0.07	Q				V
22+25	0.5749	0.06	Q				V
22+30	0.5753	0.06	Q				V
22+35	0.5757	0.06	Q				V
22+40	0.5761	0.06	Q				V
22+45	0.5764	0.06	Q				V
22+50	0.5768	0.06	Q				V
22+55	0.5772	0.06	Q				V
23+ 0	0.5776	0.06	Q				V
23+ 5	0.5780	0.06	Q				V
23+10	0.5784	0.06	Q				V
23+15	0.5788	0.06	Q				V
23+20	0.5791	0.06	Q				V
23+25	0.5795	0.06	Q				V
23+30	0.5799	0.06	Q				V
23+35	0.5803	0.06	Q				V
23+40	0.5807	0.06	Q				V
23+45	0.5811	0.06	Q				V
23+50	0.5815	0.06	Q				V
23+55	0.5819	0.06	Q				V
24+ 0	0.5822	0.06	Q				V

24+ 5

0.5824

0.02 Q

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Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda3610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	2.061
2	0.167	853.130	1.023
Sum =		100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.104)	0.027	0.078
2	0.17	0.60	0.126	(0.104)	0.033	0.094
3	0.25	0.60	0.126	(0.104)	0.033	0.094
4	0.33	0.60	0.126	(0.104)	0.033	0.094
5	0.42	0.60	0.126	(0.104)	0.033	0.094
6	0.50	0.70	0.147	(0.104)	0.038	0.109
7	0.58	0.70	0.147	(0.104)	0.038	0.109
8	0.67	0.70	0.147	(0.104)	0.038	0.109
9	0.75	0.70	0.147	(0.104)	0.038	0.109
10	0.83	0.70	0.147	(0.104)	0.038	0.109
11	0.92	0.70	0.147	(0.104)	0.038	0.109
12	1.00	0.80	0.169	(0.104)	0.044	0.125
13	1.08	0.80	0.169	(0.104)	0.044	0.125
14	1.17	0.80	0.169	(0.104)	0.044	0.125
15	1.25	0.80	0.169	(0.104)	0.044	0.125
16	1.33	0.80	0.169	(0.104)	0.044	0.125
17	1.42	0.80	0.169	(0.104)	0.044	0.125
18	1.50	0.80	0.169	(0.104)	0.044	0.125
19	1.58	0.80	0.169	(0.104)	0.044	0.125
20	1.67	0.80	0.169	(0.104)	0.044	0.125
21	1.75	0.80	0.169	(0.104)	0.044	0.125
22	1.83	0.80	0.169	(0.104)	0.044	0.125
23	1.92	0.80	0.169	(0.104)	0.044	0.125
24	2.00	0.90	0.190	(0.104)	0.049	0.140
25	2.08	0.80	0.169	(0.104)	0.044	0.125
26	2.17	0.90	0.190	(0.104)	0.049	0.140
27	2.25	0.90	0.190	(0.104)	0.049	0.140
28	2.33	0.90	0.190	(0.104)	0.049	0.140
29	2.42	0.90	0.190	(0.104)	0.049	0.140
30	2.50	0.90	0.190	(0.104)	0.049	0.140
31	2.58	0.90	0.190	(0.104)	0.049	0.140
32	2.67	0.90	0.190	(0.104)	0.049	0.140
33	2.75	1.00	0.211	(0.104)	0.055	0.156
34	2.83	1.00	0.211	(0.104)	0.055	0.156
35	2.92	1.00	0.211	(0.104)	0.055	0.156
36	3.00	1.00	0.211	(0.104)	0.055	0.156
37	3.08	1.00	0.211	(0.104)	0.055	0.156
38	3.17	1.10	0.232	(0.104)	0.060	0.171
39	3.25	1.10	0.232	(0.104)	0.060	0.171
40	3.33	1.10	0.232	(0.104)	0.060	0.171
41	3.42	1.20	0.253	(0.104)	0.066	0.187
42	3.50	1.30	0.274	(0.104)	0.071	0.203
43	3.58	1.40	0.295	(0.104)	0.077	0.218
44	3.67	1.40	0.295	(0.104)	0.077	0.218
45	3.75	1.50	0.316	(0.104)	0.082	0.234
46	3.83	1.50	0.316	(0.104)	0.082	0.234
47	3.92	1.60	0.337	(0.104)	0.088	0.249

48	4.00	1.60	0.337	(0.104)	0.088	0.249
49	4.08	1.70	0.358	(0.104)	0.093	0.265
50	4.17	1.80	0.379	(0.104)	0.099	0.281
51	4.25	1.90	0.400	(0.104)	0.104	0.296
52	4.33	2.00	0.421	0.104	(0.110)	0.317
53	4.42	2.10	0.442	0.104	(0.115)	0.338
54	4.50	2.10	0.442	0.104	(0.115)	0.338
55	4.58	2.20	0.463	0.104	(0.120)	0.359
56	4.67	2.30	0.484	0.104	(0.126)	0.380
57	4.75	2.40	0.506	0.104	(0.131)	0.401
58	4.83	2.40	0.506	0.104	(0.131)	0.401
59	4.92	2.50	0.527	0.104	(0.137)	0.422
60	5.00	2.60	0.548	0.104	(0.142)	0.443
61	5.08	3.10	0.653	0.104	(0.170)	0.549
62	5.17	3.60	0.758	0.104	(0.197)	0.654
63	5.25	3.90	0.821	0.104	(0.214)	0.717
64	5.33	4.20	0.885	0.104	(0.230)	0.780
65	5.42	4.70	0.990	0.104	(0.257)	0.886
66	5.50	5.60	1.180	0.104	(0.307)	1.075
67	5.58	1.90	0.400	(0.104)	0.104	0.296
68	5.67	0.90	0.190	(0.104)	0.049	0.140
69	5.75	0.60	0.126	(0.104)	0.033	0.094
70	5.83	0.50	0.105	(0.104)	0.027	0.078
71	5.92	0.30	0.063	(0.104)	0.016	0.047
72	6.00	0.20	0.042	(0.104)	0.011	0.031

(Loss Rate Not Used)

Sum = 100.0

Sum = 16.5

Flood volume = Effective rainfall 1.38(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.38(In)
Total soil loss = 0.096(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 15295.7 Cubic Feet
Total soil loss = 4202.0 Cubic Feet

Peak flow rate of this hydrograph = 3.123(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0011	0.16	Q				
0+10	0.0030	0.27	VQ				
0+15	0.0050	0.29	VQ				
0+20	0.0070	0.29	VQ				

0+25	0.0089	0.29	Q				
0+30	0.0112	0.32	Q				
0+35	0.0135	0.34	Q				
0+40	0.0158	0.34	Q				
0+45	0.0181	0.34	QV				
0+50	0.0204	0.34	QV				
0+55	0.0227	0.34	QV				
1+ 0	0.0253	0.37	QV				
1+ 5	0.0279	0.38	Q V				
1+10	0.0306	0.38	Q V				
1+15	0.0332	0.38	Q V				
1+20	0.0359	0.38	Q V				
1+25	0.0385	0.38	Q V				
1+30	0.0412	0.38	Q V				
1+35	0.0438	0.38	Q V				
1+40	0.0465	0.38	Q V				
1+45	0.0491	0.38	Q V				
1+50	0.0518	0.38	Q V				
1+55	0.0544	0.38	Q V				
2+ 0	0.0573	0.42	Q V				
2+ 5	0.0601	0.40	Q V				
2+10	0.0629	0.42	Q V				
2+15	0.0659	0.43	Q V				
2+20	0.0689	0.43	Q V				
2+25	0.0719	0.43	Q V				

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda3310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	426.565	66.831	2.061
2 0.167	853.130	33.169	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	(0.104)	0.052	0.149
2	0.17	1.30	0.201	(0.104)	0.052	0.149
3	0.25	1.10	0.170	(0.104)	0.044	0.126
4	0.33	1.50	0.232	(0.104)	0.060	0.171
5	0.42	1.50	0.232	(0.104)	0.060	0.171
6	0.50	1.80	0.278	(0.104)	0.072	0.206
7	0.58	1.50	0.232	(0.104)	0.060	0.171
8	0.67	1.80	0.278	(0.104)	0.072	0.206
9	0.75	1.80	0.278	(0.104)	0.072	0.206
10	0.83	1.50	0.232	(0.104)	0.060	0.171
11	0.92	1.60	0.247	(0.104)	0.064	0.183
12	1.00	1.80	0.278	(0.104)	0.072	0.206
13	1.08	2.20	0.340	(0.104)	0.088	0.251
14	1.17	2.20	0.340	(0.104)	0.088	0.251
15	1.25	2.20	0.340	(0.104)	0.088	0.251
16	1.33	2.00	0.309	(0.104)	0.080	0.229
17	1.42	2.60	0.402	0.104	(0.104)	0.297
18	1.50	2.70	0.417	0.104	(0.108)	0.313
19	1.58	2.40	0.371	(0.104)	0.096	0.274
20	1.67	2.70	0.417	0.104	(0.108)	0.313
21	1.75	3.30	0.510	0.104	(0.133)	0.405
22	1.83	3.10	0.479	0.104	(0.125)	0.374
23	1.92	2.90	0.448	0.104	(0.116)	0.344
24	2.00	3.00	0.463	0.104	(0.120)	0.359
25	2.08	3.10	0.479	0.104	(0.125)	0.374
26	2.17	4.20	0.649	0.104	(0.169)	0.544
27	2.25	5.00	0.772	0.104	(0.201)	0.668
28	2.33	3.50	0.541	0.104	(0.141)	0.436
29	2.42	6.80	1.050	0.104	(0.273)	0.946
30	2.50	7.30	1.128	0.104	(0.293)	1.023
31	2.58	8.20	1.267	0.104	(0.329)	1.162
32	2.67	5.90	0.911	0.104	(0.237)	0.807
33	2.75	2.00	0.309	(0.104)	0.080	0.229
34	2.83	1.80	0.278	(0.104)	0.072	0.206
35	2.92	1.80	0.278	(0.104)	0.072	0.206
36	3.00	0.60	0.093	(0.104)	0.024	0.069

(Loss Rate Not Used)

Sum = 100.0

Sum = 12.4

Flood volume = Effective rainfall 1.04(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.25(In)
Total soil loss = 0.064(Ac.Ft)
Total rainfall = 1.29(In)
Flood volume = 11521.7 Cubic Feet
Total soil loss = 2776.5 Cubic Feet

Peak flow rate of this hydrograph = 3.444(CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0021		0.31	VQ				
0+10	0.0053		0.46	VQ				
0+15	0.0081		0.41	Q				
0+20	0.0114		0.48	Q				
0+25	0.0151		0.53	Q				
0+30	0.0192		0.60	Q				
0+35	0.0231		0.56	QV				
0+40	0.0272		0.60	Q V				
0+45	0.0316		0.63	Q V				
0+50	0.0355		0.56	Q V				

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda3110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

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English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 10 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	(0.104)	0.103	0.293
2	0.17	4.30	0.405	0.104	(0.105)	0.301
3	0.25	5.00	0.471	0.104	(0.123)	0.367
4	0.33					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda3245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	426.565	66.831	2.061
2 0.167	853.130	33.169	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.285)	0.005	0.015
2	0.17	0.07	0.021	(0.284)	0.005	0.015
3	0.25	0.07	0.021	(0.283)	0.005	0.015
4	0.33	0.10	0.031	(0.282)	0.008	0.023
5	0.42	0.10	0.031	(0.280)	0.008	0.023
6	0.50	0.10	0.031	(0.279)	0.008	0.023
7	0.58	0.10	0.031	(0.278)	0.008	0.023
8	0.67	0.10	0.031	(0.277)	0.008	0.023
9	0.75	0.10	0.031	(0.276)	0.008	0.023
10	0.83	0.13	0.041	(0.275)	0.011	0.031
11	0.92	0.13	0.041	(0.274)	0.011	0.031
12	1.00	0.13	0.041	(0.273)	0.011	0.031
13	1.08	0.10	0.031	(0.272)	0.008	0.023
14	1.17	0.10	0.031	(0.271)	0.008	0.023
15	1.25	0.10	0.031	(0.270)	0.008	0.023
16	1.33	0.10	0.031	(0.269)	0.008	0.023
17	1.42	0.10	0.031	(0.268)	0.008	0.023
18	1.50	0.10	0.031	(0.266)	0.008	0.023
19	1.58	0.10	0.031	(0.265)	0.008	0.023
20	1.67	0.10	0.031	(0.264)	0.008	0.023
21	1.75	0.10	0.031	(0.263)	0.008	0.023
22	1.83	0.13	0.041	(0.262)	0.011	0.031
23	1.92	0.13	0.041	(0.261)	0.011	0.031
24	2.00	0.13	0.041	(0.260)	0.011	0.031
25	2.08	0.13	0.041	(0.259)	0.011	0.031
26	2.17	0.13	0.041	(0.258)	0.011	0.031
27	2.25	0.13	0.041	(0.257)	0.011	0.031
28	2.33	0.13	0.041	(0.256)	0.011	0.031
29	2.42	0.13	0.041	(0.255)	0.011	0.031
30	2.50	0.13	0.041	(0.254)	0.011	0.031
31	2.58	0.17	0.052	(0.253)	0.013	0.038
32	2.67	0.17	0.052	(0.252)	0.013	0.038
33	2.75	0.17	0.052	(0.251)	0.013	0.038
34	2.83	0.17	0.052	(0.250)	0.013	0.038
35	2.92	0.17	0.052	(0.249)	0.013	0.038
36	3.00	0.17	0.052	(0.248)	0.013	0.038
37	3.08	0.17	0.052	(0.247)	0.013	0.038
38	3.17	0.17	0.052	(0.246)	0.013	0.038
39	3.25	0.17	0.052	(0.245)	0.013	0.038
40	3.33	0.17	0.052	(0.244)	0.013	0.038
41	3.42	0.17	0.052	(0.243)	0.013	0.038
42	3.50	0.17	0.052	(0.241)	0.013	0.038
43	3.58	0.17	0.052	(0.240)	0.013	0.038
44	3.67	0.17	0.052	(0.239)	0.013	0.038
45	3.75	0.17	0.052	(0.238)	0.013	0.038
46	3.83	0.20	0.062	(0.237)	0.016	0.046
47	3.92	0.20	0.062	(0.236)	0.016	0.046

48	4.00	0.20	0.062	(0.235)	0.016	0.046
49	4.08	0.20	0.062	(0.234)	0.016	0.046
50	4.17	0.20	0.062	(0.233)	0.016	0.046
51	4.25	0.20	0.062	(0.232)	0.016	0.046
52	4.33	0.23	0.072	(0.231)	0.019	0.053
53	4.42	0.23	0.072	(0.230)	0.019	0.053
54	4.50	0.23	0.072	(0.229)	0.019	0.053
55	4.58	0.23	0.072	(0.229)	0.019	0.053
56	4.67	0.23	0.072	(0.228)	0.019	0.053
57	4.75	0.23	0.072	(0.227)	0.019	0.053
58	4.83	0.27	0.083	(0.226)	0.021	0.061
59	4.92	0.27	0.083	(0.225)	0.021	0.061
60	5.00	0.27	0.083	(0.224)	0.021	0.061
61	5.08	0.20	0.062	(0.223)	0.016	0.046
62	5.17	0.20	0.062	(0.222)	0.016	0.046
63	5.25	0.20	0.062	(0.221)	0.016	0.046
64	5.33	0.23	0.072	(0.220)	0.019	0.053
65	5.42	0.23	0.072	(0.219)	0.019	0.053
66	5.50	0.23	0.072	(0.218)	0.019	0.053
67	5.58	0.27	0.083	(0.217)	0.021	0.061
68	5.67	0.27	0.083	(0.216)	0.021	0.061
69	5.75	0.27	0.083	(0.215)	0.021	0.061
70	5.83	0.27	0.083	(0.214)	0.021	0.061
71	5.92	0.27	0.083	(0.213)	0.021	0.061
72	6.00	0.27	0.083	(0.212)	0.021	0.061
73	6.08	0.30	0.093	(0.211)	0.024	0.069
74	6.17	0.30	0.093	(0.210)	0.024	0.069
75	6.25	0.30	0.093	(0.209)	0.024	0.069
76	6.33	0.30	0.093	(0.208)	0.024	0.069
77	6.42	0.30	0.093	(0.207)	0.024	0.069
78	6.50	0.30	0.093	(0.207)	0.024	0.069
79	6.58	0.33	0.103	(0.206)	0.027	0.076
80	6.67	0.33	0.103	(0.205)	0.027	0.076
81	6.75	0.33	0.103	(0.204)	0.027	0.076
82	6.83	0.33	0.103	(0.203)	0.027	0.076
83	6.92	0.33	0.103	(0.202)	0.027	0.076
84	7.00	0.33	0.103	(0.201)	0.027	0.076
85	7.08	0.33	0.103	(0.200)	0.027	0.076
86	7.17	0.33	0.103	(0.199)	0.027	0.076
87	7.25	0.33	0.103	(0.198)	0.027	0.076
88	7.33	0.37	0.114	(0.197)	0.030	0.084
89	7.42	0.37	0.114	(0.196)	0.030	0.084
90	7.50	0.37	0.114	(0.196)	0.030	0.084
91	7.58	0.40	0.124	(0.195)	0.032	0.092
92	7.67	0.40	0.124	(0.194)	0.032	0.092
93	7.75	0.40	0.124	(0.193)	0.032	0.092
94	7.83	0.43	0.134	(0.192)	0.035	0.099
95	7.92	0.43	0.134	(0.191)	0.035	0.099
96	8.00	0.43	0.134	(0.190)	0.035	0.099
97	8.08	0.50	0.155	(0.189)	0.040	0.115

98	8.17	0.50	0.155	(0.188)	0.040	0.115
99	8.25	0.50	0.155	(0.188)	0.040	0.115
100	8.33	0.50	0.155	(0.187)	0.040	0.115
101	8.42	0.50	0.155	(0.186)	0.040	0.115
102	8.50	0.50	0.155	(0.185)	0.040	0.115
103	8.58	0.53	0.165	(0.184)	0.043	0.122
104	8.67	0.53	0.165	(0.183)	0.043	0.122
105	8.75	0.53	0.165	(0.182)	0.043	0.122
106	8.83	0.57	0.176	(0.181)	0.046	0.130
107	8.92	0.57	0.176	(0.181)	0.046	0.130
108	9.00	0.57	0.176	(0.180)	0.046	0.130
109	9.08	0.63	0.196	(0.179)	0.051	0.145
110	9.17	0.63	0.196	(0.178)	0.051	0.145
111	9.25	0.63	0.196	(0.177)	0.051	0.145
112	9.33	0.67	0.206	(0.176)	0.054	0.153
113	9.42	0.67	0.206	(0.176)	0.054	0.153
114	9.50	0.67	0.206	(0.175)	0.054	0.153
115	9.58	0.70	0.217	(0.174)	0.056	0.160
116	9.67	0.70	0.217	(0.173)	0.056	0.160
117	9.75	0.70	0.217	(0.172)	0.056	0.160
118	9.83	0.73	0.227	(0.171)	0.059	0.168
119	9.92	0.73	0.227	(0.171)	0.059	0.168
120	10.00	0.73	0.227	(0.170)	0.059	0.168
121	10.08	0.50	0.155	(0.169)	0.040	0.115
122	10.17	0.50	0.155	(0.168)	0.040	0.115
123	10.25	0.50	0.155	(0.167)	0.040	0.115
124	10.33	0.50	0.155	(0.166)	0.040	0.115
125	10.42	0.50	0.155	(0.166)	0.040	0.115
126	10.50	0.50	0.155	(0.165)	0.040	0.115
127	10.58	0.67	0.206	(0.164)	0.054	0.153
128	10.67	0.67	0.206	(0.163)	0.054	0.153
129	10.75	0.67	0.206	(0.162)	0.054	0.153
130	10.83	0.67	0.206	(0.162)	0.054	0.153
131	10.92	0.67	0.206	(0.161)	0.054	0.153
132	11.00	0.67	0.206	(0.160)	0.054	0.153
133	11.08	0.63	0.196	(0.159)	0.051	0.145
134	11.17	0.63	0.196	(0.158)	0.051	0.145
135	11.25	0.63	0.196	(0.158)	0.051	0.145
136	11.33	0.63	0.196	(0.157)	0.051	0.145
137	11.42	0.63	0.196	(0.156)	0.051	0.145
138	11.50	0.63	0.196	(0.155)	0.051	0.145
139	11.58	0.57	0.176	(0.155)	0.046	0.130
140	11.67	0.57	0.176	(0.154)	0.046	0.130
141	11.75	0.57	0.176	(0.153)	0.046	0.130
142	11.83	0.60	0.186	(0.152)	0.048	0.138
143	11.92	0.60	0.186	(0.152)	0.048	0.138
144	12.00	0.60	0.186	(0.151)	0.048	0.138
145	12.08	0.83	0.258	(0.150)	0.067	0.191
146	12.17	0.83	0.258	(0.149)	0.067	0.191
147	12.25	0.83	0.258	(0.149)	0.067	0.191

148	12.33	0.87	0.268	(0.148)	0.070	0.199
149	12.42	0.87	0.268	(0.147)	0.070	0.199
150	12.50	0.87	0.268	(0.146)	0.070	0.199
151	12.58	0.93	0.289	(0.146)	0.075	0.214
152	12.67	0.93	0.289	(0.145)	0.075	0.214
153	12.75	0.93	0.289	(0.144)	0.075	0.214
154	12.83	0.97	0.299	(0.143)	0.078	0.222
155	12.92	0.97	0.299	(0.143)	0.078	0.222
156	13.00	0.97	0.299	(0.142)	0.078	0.222
157	13.08	1.13	0.351	(0.141)	0.091	0.260
158	13.17	1.13	0.351	(0.140)	0.091	0.260
159	13.25	1.13	0.351	(0.140)	0.091	0.260
160	13.33	1.13	0.351	(0.139)	0.091	0.260
161	13.42	1.13	0.351	(0.138)	0.091	0.260
162	13.50	1.13	0.351	(0.138)	0.091	0.260
163	13.58	0.77	0.237	(0.137)	0.062	0.176
164	13.67	0.77	0.237	(0.136)	0.062	0.176
165	13.75	0.77	0.237	(0.136)	0.062	0.176
166	13.83	0.77	0.237	(0.135)	0.062	0.176
167	13.92	0.77	0.237	(0.134)	0.062	0.176
168	14.00	0.77	0.237	(0.133)	0.062	0.176
169	14.08	0.90	0.279	(0.133)	0.072	0.206
170	14.17	0.90	0.279	(0.132)	0.072	0.206
171	14.25	0.90	0.279	(0.131)	0.072	0.206
172	14.33	0.87	0.268	(0.131)	0.070	0.199
173	14.42	0.87	0.268	(0.130)	0.070	0.199
174	14.50	0.87	0.268	(0.129)	0.070	0.199
175	14.58	0.87	0.268	(0.129)	0.070	0.199
176	14.67	0.87	0.268	(0.128)	0.070	0.199
177	14.75	0.87	0.268	(0.127)	0.070	0.199
178	14.83	0.83	0.258	(0.127)	0.067	0.191
179	14.92	0.83	0.258	(0.126)	0.067	0.191
180	15.00	0.83	0.258	(0.126)	0.067	0.191
181	15.08	0.80	0.248	(0.125)	0.064	0.183
182	15.17	0.80	0.248	(0.124)	0.064	0.183
183	15.25	0.80	0.248	(0.124)	0.064	0.183
184	15.33	0.77	0.237	(0.123)	0.062	0.176
185	15.42	0.77	0.237	(0.122)	0.062	0.176
186	15.50	0.77	0.237	(0.122)	0.062	0.176
187	15.58	0.63	0.196	(0.121)	0.051	0.145
188	15.67	0.63	0.196	(0.120)	0.051	0.145
189	15.75	0.63	0.196	(0.120)	0.051	0.145
190	15.83	0.63	0.196	(0.119)	0.051	0.145
191	15.92	0.63	0.196	(0.119)	0.051	0.145
192	16.00	0.63	0.196	(0.118)	0.051	0.145
193	16.08	0.13	0.041	(0.117)	0.011	0.031
194	16.17	0.13	0.041	(0.117)	0.011	0.031
195	16.25	0.13	0.041	(0.116)	0.011	0.031
196	16.33	0.13	0.041	(0.116)	0.011	0.031
197	16.42	0.13	0.041	(0.115)	0.011	0.031

198	16.50	0.13	0.041	(0.114)	0.011	0.031
199	16.58	0.10	0.031	(0.114)	0.008	0.023
200	16.67	0.10	0.031	(0.113)	0.008	0.023
201	16.75	0.10	0.031	(0.113)	0.008	0.023
202	16.83	0.10	0.031	(0.112)	0.008	0.023
203	16.92	0.10	0.031	(0.112)	0.008	0.023
204	17.00	0.10	0.031	(0.111)	0.008	0.023
205	17.08	0.17	0.052	(0.110)	0.013	0.038
206	17.17	0.17	0.052	(0.110)	0.013	0.038
207	17.25	0.17	0.052	(0.109)	0.013	0.038
208	17.33	0.17	0.052	(0.109)	0.013	0.038
209	17.42	0.17	0.052	(0.108)	0.013	0.038
210	17.50	0.17	0.052	(0.108)	0.013	0.038
211	17.58	0.17	0.052	(0.107)	0.013	0.038
212	17.67	0.17	0.052	(0.107)	0.013	0.038
213	17.75	0.17	0.052	(0.106)	0.013	0.038
214	17.83	0.13	0.041	(0.106)	0.011	0.031
215	17.92	0.13	0.041	(0.105)	0.011	0.031
216	18.00	0.13	0.041	(0.105)	0.011	0.031
217	18.08	0.13	0.041	(0.104)	0.011	0.031
218	18.17	0.13	0.041	(0.104)	0.011	0.031
219	18.25	0.13	0.041	(0.103)	0.011	0.031
220	18.33	0.13	0.041	(0.102)	0.011	0.031
221	18.42	0.13	0.041	(0.102)	0.011	0.031
222	18.50	0.13	0.041	(0.102)	0.011	0.031
223	18.58	0.10	0.031	(0.101)	0.008	0.023
224	18.67	0.10	0.031	(0.101)	0.008	0.023
225	18.75	0.10	0.031	(0.100)	0.008	0.023
226	18.83	0.07	0.021	(0.100)	0.005	0.015
227	18.92	0.07	0.021	(0.099)	0.005	0.015
228	19.00	0.07	0.021	(0.099)	0.005	0.015
229	19.08	0.10	0.031	(0.098)	0.008	0.023
230	19.17	0.10	0.031	(0.098)	0.008	0.023
231	19.25	0.10	0.031	(0.097)	0.008	0.023
232	19.33	0.13	0.041	(0.097)	0.011	0.031
233	19.42	0.13	0.041	(0.096)	0.011	0.031
234	19.50	0.13	0.041	(0.096)	0.011	0.031
235	19.58	0.10	0.031	(0.095)	0.008	0.023
236	19.67	0.10	0.031	(0.095)	0.008	0.023
237	19.75	0.10	0.031	(0.095)	0.008	0.023
238	19.83	0.07	0.021	(0.094)	0.005	0.015
239	19.92	0.07	0.021	(0.094)	0.005	0.015
240	20.00	0.07	0.021	(0.093)	0.005	0.015
241	20.08	0.10	0.031	(0.093)	0.008	0.023
242	20.17	0.10	0.031	(0.093)	0.008	0.023
243	20.25	0.10	0.031	(0.092)	0.008	0.023
244	20.33	0.10	0.031	(0.092)	0.008	0.023
245	20.42	0.10	0.031	(0.091)	0.008	0.023
246	20.50	0.10	0.031	(0.091)	0.008	0.023
247	20.58	0.10	0.031	(0.091)	0.008	0.023

248	20.67	0.10	0.031	(0.090)	0.008	0.023
249	20.75	0.10	0.031	(0.090)	0.008	0.023
250	20.83	0.07	0.021	(0.089)	0.005	0.015
251	20.92	0.07	0.021	(0.089)	0.005	0.015
252	21.00	0.07	0.021	(0.089)	0.005	0.015
253	21.08	0.10	0.031	(0.088)	0.008	0.023
254	21.17	0.10	0.031	(0.088)	0.008	0.023
255	21.25	0.10	0.031	(0.088)	0.008	0.023
256	21.33	0.07	0.021	(0.087)	0.005	0.015
257	21.42	0.07	0.021	(0.087)	0.005	0.015
258	21.50	0.07	0.021	(0.087)	0.005	0.015
259	21.58	0.10	0.031	(0.086)	0.008	0.023
260	21.67	0.10	0.031	(0.086)	0.008	0.023
261	21.75	0.10	0.031	(0.086)	0.008	0.023
262	21.83	0.07	0.021	(0.085)	0.005	0.015
263	21.92	0.07	0.021	(0.085)	0.005	0.015
264	22.00	0.07	0.021	(0.085)	0.005	0.015
265	22.08	0.10	0.031	(0.085)	0.008	0.023
266	22.17	0.10	0.031	(0.084)	0.008	0.023
267	22.25	0.10	0.031	(0.084)	0.008	0.023
268	22.33	0.07	0.021	(0.084)	0.005	0.015
269	22.42	0.07	0.021	(0.084)	0.005	0.015
270	22.50	0.07	0.021	(0.083)	0.005	0.015
271	22.58	0.07	0.021	(0.083)	0.005	0.015
272	22.67	0.07	0.021	(0.083)	0.005	0.015
273	22.75	0.07	0.021	(0.083)	0.005	0.015
274	22.83	0.07	0.021	(0.082)	0.005	0.015
275	22.92	0.07	0.021	(0.082)	0.005	0.015
276	23.00	0.07	0.021	(0.082)	0.005	0.015
277	23.08	0.07	0.021	(0.082)	0.005	0.015
278	23.17	0.07	0.021	(0.082)	0.005	0.015
279	23.25	0.07	0.021	(0.081)	0.005	0.015
280	23.33	0.07	0.021	(0.081)	0.005	0.015
281	23.42	0.07	0.021	(0.081)	0.005	0.015
282	23.50	0.07	0.021	(0.081)	0.005	0.015
283	23.58	0.07	0.021	(0.081)	0.005	0.015
284	23.67	0.07	0.021	(0.081)	0.005	0.015
285	23.75	0.07	0.021	(0.081)	0.005	0.015
286	23.83	0.07	0.021	(0.080)	0.005	0.015
287	23.92	0.07	0.021	(0.080)	0.005	0.015
288	24.00	0.07	0.021	(0.080)	0.005	0.015

(Loss Rate Not Used)

Sum = 100.0

Sum = 22.9

Flood volume = Effective rainfall 1.91(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)

Total soil loss = 0.67(In)

Total soil loss = 0.171(Ac.Ft)

Total rainfall = 2.58(In)

Flood volume = 21216.3 Cubic Feet

Total soil loss = 7454.4 Cubic Feet

Peak flow rate of this hydrograph = 0.802(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002		0.03	Q				
0+10	0.0005		0.05	Q				
0+15	0.0009		0.05	Q				
0+20	0.0013		0.06	Q				
0+25	0.0018		0.07	Q				
0+30	0.0023		0.07	Q				
0+35	0.0028		0.07	Q				
0+40	0.0032		0.07	Q				
0+45	0.0037		0.07	Q				
0+50	0.0043		0.09	Q				
0+55	0.0050		0.09	Q				
1+ 0	0.0056		0.09	Q				
1+ 5	0.0062		0.08	Q				
1+10	0.0067		0.07	Q				
1+15	0.0071		0.07	Q				
1+20	0.0076		0.07	Q				
1+25	0.0081		0.07	Q				
1+30	0.0086		0.07	Q				
1+35	0.0091		0.07	Q				
1+40	0.0096		0.07	Q				
1+45	0.0101		0.07	Q				
1+50	0.0107		0.09	Q				
1+55	0.0113		0.09	Q				
2+ 0	0.0120		0.09	Q				
2+ 5	0.0126		0.09	QV				
2+10	0.0133		0.09	QV				
2+15	0.0139		0.09	QV				
2+20	0.0146		0.09	QV				
2+25	0.0152		0.09	QV				
2+30	0.0159		0.09	QV				
2+35	0.0166		0.11	QV				
2+40	0.0174		0.12	QV				
2+45	0.0182		0.12	QV				
2+50	0.0191		0.12	QV				
2+55	0.0199		0.12	QV				
3+ 0	0.0207		0.12	QV				
3+ 5	0.0215		0.12	QV				
3+10	0.0223		0.12	QV				

3+15	0.0231	0.12	QV				
3+20	0.0239	0.12	QV				
3+25	0.0247	0.12	Q V				
3+30	0.0255	0.12	Q V				
3+35	0.0264	0.12	Q V				
3+40	0.0272	0.12	Q V				
3+45	0.0280	0.12	Q V				
3+50	0.0289	0.13	Q V				
3+55	0.0299	0.14	Q V				
4+ 0	0.0308	0.14	Q V				
4+ 5	0.0318	0.14	Q V				
4+10	0.0328	0.14	Q V				
4+15	0.0338	0.14	Q V				
4+20	0.0349	0.16	Q V				
4+25	0.0360	0.17	Q V				
4+30	0.0371	0.17	Q V				
4+35	0.0383	0.17	Q V				
4+40	0.0394	0.17	Q V				
4+45	0.0405	0.17	Q V				
4+50	0.0418	0.18	Q V				
4+55	0.0431	0.19	Q V				
5+ 0	0.0444	0.19	Q V				
5+ 5	0.0455	0.16	Q V				
5+10	0.0464	0.14	Q V				
5+15	0.0474	0.14	Q V				
5+20	0.0485	0.16	Q V				
5+25	0.0496	0.17	Q V				
5+30	0.0508	0.17	Q V				
5+35	0.0520	0.18	Q V				
5+40	0.0533	0.19	Q V				
5+45	0.0546	0.19	Q V				
5+50	0.0559	0.19	Q V				
5+55	0.0572	0.19	Q V				
6+ 0	0.0585	0.19	Q V				
6+ 5	0.0599	0.20	Q V				
6+10	0.0614	0.21	Q V				
6+15	0.0628	0.21	Q V				
6+20	0.0643	0.21	Q V				
6+25	0.0658	0.21	Q V				
6+30	0.0672	0.21	Q V				
6+35	0.0688	0.23	Q V				
6+40	0.0704	0.24	Q V				
6+45	0.0720	0.24	Q V				
6+50	0.0737	0.24	Q V				
6+55	0.0753	0.24	Q V				
7+ 0	0.0769	0.24	Q V				
7+ 5	0.0785	0.24	Q V				
7+10	0.0802	0.24	Q V				
7+15	0.0818	0.24	Q V				
7+20	0.0835	0.25	Q V				

7+25	0.0853	0.26	Q	V				
7+30	0.0871	0.26	Q	V				
7+35	0.0890	0.28	Q	V				
7+40	0.0909	0.28	Q	V				
7+45	0.0929	0.28	Q	V				
7+50	0.0949	0.30	Q	V				
7+55	0.0970	0.31	Q	V				
8+ 0	0.0991	0.31	Q	V				
8+ 5	0.1015	0.34	Q	V				
8+10	0.1039	0.35	Q	V				
8+15	0.1063	0.35	Q	V				
8+20	0.1088	0.35	Q	V				
8+25	0.1112	0.35	Q	V				
8+30	0.1137	0.35	Q	V				
8+35	0.1162	0.37	Q	V				
8+40	0.1188	0.38	Q	V				
8+45	0.1214	0.38	Q	V				
8+50	0.1241	0.39	Q	V				
8+55	0.1269	0.40	Q	V				
9+ 0	0.1296	0.40	Q	V				
9+ 5	0.1326	0.43	Q	V				
9+10	0.1357	0.45	Q	V				
9+15	0.1388	0.45	Q	V				
9+20	0.1420	0.46	Q	V				
9+25	0.1452	0.47	Q	V				
9+30	0.1485	0.47	Q	V				
9+35	0.1518	0.49	Q	V				
9+40	0.1552	0.50	Q	V				
9+45	0.1586	0.50	Q	V				
9+50	0.1621	0.51	Q	V				
9+55	0.1657	0.52	Q	V				
10+ 0	0.1693	0.52	Q	V				
10+ 5	0.1721	0.41	Q	V				
10+10	0.1745	0.35	Q	V				
10+15	0.1770	0.35	Q	V				
10+20	0.1794	0.35	Q	V				
10+25	0.1818	0.35	Q	V				
10+30	0.1843	0.35	Q	V				
10+35	0.1873	0.43	Q	V				
10+40	0.1905	0.47	Q	V				
10+45	0.1937	0.47	Q	V				
10+50	0.1970	0.47	Q	V				
10+55	0.2002	0.47	Q	V				
11+ 0	0.2035	0.47	Q	V				
11+ 5	0.2066	0.46	Q	V				
11+10	0.2097	0.45	Q	V				
11+15	0.2128	0.45	Q	V				
11+20	0.2159	0.45	Q	V				
11+25	0.2190	0.45	Q	V				
11+30	0.2220	0.45	Q	V				

11+35	0.2249	0.42	Q	V			
11+40	0.2277	0.40	Q	V			
11+45	0.2304	0.40	Q	V			
11+50	0.2333	0.42	Q	V			
11+55	0.2362	0.42	Q	V			
12+ 0	0.2392	0.42	Q	V			
12+ 5	0.2428	0.53	Q	V			
12+10	0.2469	0.59	Q	V			
12+15	0.2510	0.59	Q	V			
12+20	0.2551	0.61	Q	V			
12+25	0.2593	0.61	Q	V			
12+30	0.2636	0.61	Q	V			
12+35	0.2680	0.64	Q	V			
12+40	0.2725	0.66	Q	V			
12+45	0.2771	0.66	Q	V			
12+50	0.2817	0.68	Q	V			
12+55	0.2865	0.68	Q	V			
13+ 0	0.2912	0.68	Q	V			
13+ 5	0.2964	0.76	Q	V			
13+10	0.3019	0.80	Q	V			
13+15	0.3075	0.80	Q	V			
13+20	0.3130	0.80	Q	V			
13+25	0.3185	0.80	Q	V			
13+30	0.3240	0.80	Q	V			
13+35	0.3283	0.63	Q	V			
13+40	0.3321	0.54	Q	V			
13+45	0.3358	0.54	Q	V			
13+50	0.3395	0.54	Q	V			
13+55	0.3433	0.54	Q	V			
14+ 0	0.3470	0.54	Q	V			
14+ 5	0.3512	0.61	Q	V			
14+10	0.3556	0.64	Q	V			
14+15	0.3599	0.64	Q	V			
14+20	0.3642	0.62	Q	V			
14+25	0.3684	0.61	Q	V			
14+30	0.3727	0.61	Q	V			
14+35	0.3769	0.61	Q	V			
14+40	0.3811	0.61	Q	V			
14+45	0.3853	0.61	Q	V			
14+50	0.3894	0.60	Q	V			
14+55	0.3935	0.59	Q	V			
15+ 0	0.3976	0.59	Q	V			
15+ 5	0.4015	0.57	Q	V			
15+10	0.4054	0.57	Q	V			
15+15	0.4093	0.57	Q	V			
15+20	0.4131	0.55	Q	V			
15+25	0.4168	0.54	Q	V			
15+30	0.4206	0.54	Q	V			
15+35	0.4239	0.48	Q	V			
15+40	0.4269	0.45	Q	V			

15+45	0.4300	0.45	Q				V
15+50	0.4331	0.45	Q				V
15+55	0.4362	0.45	Q				V
16+ 0	0.4393	0.45	Q				V
16+ 5	0.4407	0.21	Q				V
16+10	0.4414	0.09	Q				V
16+15	0.4420	0.09	Q				V
16+20	0.4427	0.09	Q				V
16+25	0.4433	0.09	Q				V
16+30	0.4440	0.09	Q				V
16+35	0.4445	0.08	Q				V
16+40	0.4450	0.07	Q				V
16+45	0.4455	0.07	Q				V
16+50	0.4460	0.07	Q				V
16+55	0.4465	0.07	Q				V
17+ 0	0.4470	0.07	Q				V
17+ 5	0.4477	0.10	Q				V
17+10	0.4485	0.12	Q				V
17+15	0.4493	0.12	Q				V
17+20	0.4501	0.12	Q				V
17+25	0.4509	0.12	Q				V
17+30	0.4517	0.12	Q				V
17+35	0.4525	0.12	Q				V
17+40	0.4533	0.12	Q				V
17+45	0.4542	0.12	Q				V
17+50	0.4549	0.10	Q				V
17+55	0.4555	0.09	Q				V
18+ 0	0.4562	0.09	Q				V
18+ 5	0.4568	0.09	Q				V
18+10	0.4575	0.09	Q				V
18+15	0.4581	0.09	Q				V
18+20	0.4588	0.09	Q				V
18+25	0.4594	0.09	Q				V
18+30	0.4601	0.09	Q				V
18+35	0.4606	0.08	Q				V
18+40	0.4611	0.07	Q				V
18+45	0.4616	0.07	Q				V
18+50	0.4619	0.05	Q				V
18+55	0.4623	0.05	Q				V
19+ 0	0.4626	0.05	Q				V
19+ 5	0.4630	0.06	Q				V
19+10	0.4635	0.07	Q				V
19+15	0.4640	0.07	Q				V
19+20	0.4646	0.09	Q				V
19+25	0.4653	0.09	Q				V
19+30	0.4659	0.09	Q				V
19+35	0.4664	0.08	Q				V
19+40	0.4669	0.07	Q				V
19+45	0.4674	0.07	Q				V
19+50	0.4678	0.05	Q				V

19+55	0.4681	0.05	Q				V
20+ 0	0.4684	0.05	Q				V
20+ 5	0.4689	0.06	Q				V
20+10	0.4694	0.07	Q				V
20+15	0.4699	0.07	Q				V
20+20	0.4703	0.07	Q				V
20+25	0.4708	0.07	Q				V
20+30	0.4713	0.07	Q				V
20+35	0.4718	0.07	Q				V
20+40	0.4723	0.07	Q				V
20+45	0.4728	0.07	Q				V
20+50	0.4732	0.05	Q				V
20+55	0.4735	0.05	Q				V
21+ 0	0.4738	0.05	Q				V
21+ 5	0.4742	0.06	Q				V
21+10	0.4747	0.07	Q				V
21+15	0.4752	0.07	Q				V
21+20	0.4756	0.05	Q				V
21+25	0.4759	0.05	Q				V
21+30	0.4762	0.05	Q				V
21+35	0.4767	0.06	Q				V
21+40	0.4772	0.07	Q				V
21+45	0.4776	0.07	Q				V
21+50	0.4780	0.05	Q				V
21+55	0.4783	0.05	Q				V
22+ 0	0.4787	0.05	Q				V
22+ 5	0.4791	0.06	Q				V
22+10	0.4796	0.07	Q				V
22+15	0.4801	0.07	Q				V
22+20	0.4805	0.05	Q				V
22+25	0.4808	0.05	Q				V
22+30	0.4811	0.05	Q				V
22+35	0.4814	0.05	Q				V
22+40	0.4818	0.05	Q				V
22+45	0.4821	0.05	Q				V
22+50	0.4824	0.05	Q				V
22+55	0.4827	0.05	Q				V
23+ 0	0.4831	0.05	Q				V
23+ 5	0.4834	0.05	Q				V
23+10	0.4837	0.05	Q				V
23+15	0.4840	0.05	Q				V
23+20	0.4844	0.05	Q				V
23+25	0.4847	0.05	Q				V
23+30	0.4850	0.05	Q				V
23+35	0.4853	0.05	Q				V
23+40	0.4857	0.05	Q				V
23+45	0.4860	0.05	Q				V
23+50	0.4863	0.05	Q				V
23+55	0.4866	0.05	Q				V
24+ 0	0.4870	0.05	Q				V

24+ 5

0.4871

0.02 Q

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Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda365.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.161)	0.023	0.066
2	0.17	0.60	0.107	(0.161)	0.028	0.079
3	0.25	0.60	0.107	(0.161)	0.028	0.079
4	0.33	0.60	0.107	(0.161)	0.028	0.079
5	0.42	0.60	0.107	(0.161)	0.028	0.079
6	0.50	0.70	0.125	(0.161)	0.032	0.092
7	0.58	0.70	0.125	(0.161)	0.032	0.092
8	0.67	0.70	0.125	(0.161)	0.032	0.092
9	0.75	0.70	0.125	(0.161)	0.032	0.092
10	0.83	0.70	0.125	(0.161)	0.032	0.092
11	0.92	0.70	0.125	(0.161)	0.032	0.092
12	1.00	0.80	0.143	(0.161)	0.037	0.106
13	1.08	0.80	0.143	(0.161)	0.037	0.106
14	1.17	0.80	0.143	(0.161)	0.037	0.106
15	1.25	0.80	0.143	(0.161)	0.037	0.106
16	1.33	0.80	0.143	(0.161)	0.037	0.106
17	1.42	0.80	0.143	(0.161)	0.037	0.106
18	1.50	0.80	0.143	(0.161)	0.037	0.106
19	1.58	0.80	0.143	(0.161)	0.037	0.106
20	1.67	0.80	0.143	(0.161)	0.037	0.106
21	1.75	0.80	0.143	(0.161)	0.037	0.106
22	1.83	0.80	0.143	(0.161)	0.037	0.106
23	1.92	0.80	0.143	(0.161)	0.037	0.106
24	2.00	0.90	0.160	(0.161)	0.042	0.119
25	2.08	0.80	0.143	(0.161)	0.037	0.106
26	2.17	0.90	0.160	(0.161)	0.042	0.119
27	2.25	0.90	0.160	(0.161)	0.042	0.119
28	2.33	0.90	0.160	(0.161)	0.042	0.119
29	2.42	0.90	0.160	(0.161)	0.042	0.119
30	2.50	0.90	0.160	(0.161)	0.042	0.119
31	2.58	0.90	0.160	(0.161)	0.042	0.119
32	2.67	0.90	0.160	(0.161)	0.042	0.119
33	2.75	1.00	0.178	(0.161)	0.046	0.132
34	2.83	1.00	0.178	(0.161)	0.046	0.132
35	2.92	1.00	0.178	(0.161)	0.046	0.132
36	3.00	1.00	0.178	(0.161)	0.046	0.132
37	3.08	1.00	0.178	(0.161)	0.046	0.132
38	3.17	1.10	0.196	(0.161)	0.051	0.145
39	3.25	1.10	0.196	(0.161)	0.051	0.145
40	3.33	1.10	0.196	(0.161)	0.051	0.145
41	3.42	1.20	0.214	(0.161)	0.056	0.158
42	3.50	1.30	0.232	(0.161)	0.060	0.172
43	3.58	1.40	0.250	(0.161)	0.065	0.185
44	3.67	1.40	0.250	(0.161)	0.065	0.185
45	3.75	1.50	0.267	(0.161)	0.070	0.198
46	3.83	1.50	0.267	(0.161)	0.070	0.198
47	3.92	1.60	0.285	(0.161)	0.074	0.211

48	4.00	1.60	0.285	(0.161)	0.074	0.211
49	4.08	1.70	0.303	(0.161)	0.079	0.224
50	4.17	1.80	0.321	(0.161)	0.083	0.238
51	4.25	1.90	0.339	(0.161)	0.088	0.251
52	4.33	2.00	0.357	(0.161)	0.093	0.264
53	4.42	2.10	0.374	(0.161)	0.097	0.277
54	4.50	2.10	0.374	(0.161)	0.097	0.277
55	4.58	2.20	0.392	(0.161)	0.102	0.290
56	4.67	2.30	0.410	(0.161)	0.107	0.304
57	4.75	2.40	0.428	(0.161)	0.111	0.317
58	4.83	2.40	0.428	(0.161)	0.111	0.317
59	4.92	2.50	0.446	(0.161)	0.116	0.330
60	5.00	2.60	0.464	(0.161)	0.121	0.343
61	5.08	3.10	0.553	(0.161)	0.144	0.409
62	5.17	3.60	0.642	0.161 (0.167)		0.481
63	5.25	3.90	0.695	0.161 (0.181)		0.535
64	5.33	4.20	0.749	0.161 (0.195)		0.588
65	5.42	4.70	0.838	0.161 (0.218)		0.677
66	5.50	5.60	0.999	0.161 (0.260)		0.838
67	5.58	1.90	0.339	(0.161)	0.088	0.251
68	5.67	0.90	0.160	(0.161)	0.042	0.119
69	5.75	0.60	0.107	(0.161)	0.028	0.079
70	5.83	0.50	0.089	(0.161)	0.023	0.066
71	5.92	0.30	0.053	(0.161)	0.014	0.040
72	6.00	0.20	0.036	(0.161)	0.009	0.026

(Loss Rate Not Used)

Sum = 100.0

Sum = 13.4

Flood volume = Effective rainfall 1.12(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.37(In)
Total soil loss = 0.094(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 12415.0 Cubic Feet
Total soil loss = 4091.3 Cubic Feet

Peak flow rate of this hydrograph = 2.421(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0009	0.14	Q				
0+10	0.0025	0.23	Q				
0+15	0.0042	0.24	Q				
0+20	0.0059	0.24	Q				

0+25	0.0076	0.24	QV				
0+30	0.0094	0.27	Q				
0+35	0.0114	0.29	Q				
0+40	0.0134	0.29	Q				
0+45	0.0153	0.29	QV				
0+50	0.0173	0.29	QV				
0+55	0.0193	0.29	QV				
1+ 0	0.0214	0.31	Q V				
1+ 5	0.0237	0.33	Q V				
1+10	0.0259	0.33	Q V				
1+15	0.0281	0.33	Q V				
1+20	0.0304	0.33	Q V				
1+25	0.0326	0.33	Q V				
1+30	0.0349	0.33	Q V				
1+35	0.0371	0.33	Q V				
1+40	0.0394	0.33	Q V				
1+45	0.0416	0.33	Q V				
1+50	0.0438	0.33	Q V				
1+55	0.0461	0.33	Q V				
2+ 0	0.0485	0.35	Q V				
2+ 5	0.0509	0.34	Q V				
2+10	0.0533	0.35	Q V				
2+15	0.0558	0.37	Q V				
2+20	0.0583	0.37	Q V				
2+25	0.0609	0.37	Q V				
2+30	0.0634	0.37	Q V				
2+35	0.0659	0.37	Q V				
2+40	0.0684	0.37	Q V				
2+45	0.0711	0.39	Q V				
2+50	0.0739	0.41	Q V				
2+55	0.0767	0.41	Q V				
3+ 0	0.0795	0.41	Q V				
3+ 5	0.0824	0.41	Q V				
3+10	0.0853	0.43	Q V				
3+15	0.0884	0.45	Q V				
3+20	0.0915	0.45	Q V				
3+25	0.0948	0.48	Q V				
3+30	0.0983	0.52	Q V				
3+35	0.1022	0.56	Q V				
3+40	0.1061	0.57	Q V				
3+45	0.1102	0.60	Q V				
3+50	0.1144	0.61	Q V				
3+55	0.1188	0.64	Q V				
4+ 0	0.1233	0.65	Q V				
4+ 5	0.1280	0.68	Q V				
4+10	0.1329	0.72	Q V				
4+15	0.1382	0.76	Q V				
4+20	0.1437	0.80	Q V				
4+25	0.1495	0.84	Q V				
4+30	0.1554	0.86	Q V				

4+35	0.1614	0.88	Q		V		
4+40	0.1678	0.92	Q		V		
4+45	0.1744	0.96	Q		V		
4+50	0.1812	0.98	Q		V		
4+55	0.1881	1.00	Q		V		
5+ 0	0.1953	1.05	Q		V		
5+ 5	0.2035	1.19	Q		V		
5+10	0.2132	1.41	Q		V		
5+15	0.2242	1.60	Q		V		
5+20	0.2363	1.76	Q		V		
5+25	0.2501	2.00	Q		V		
5+30	0.2668	2.42	Q		V		
5+35	0.2762	1.37	Q		V		
5+40	0.2797	0.50	Q		V		
5+45	0.2816	0.28	Q		V		
5+50	0.2831	0.22	Q		V		
5+55	0.2842	0.15	Q		V		
6+ 0	0.2848	0.09	Q		V		
6+ 5	0.2850	0.03	Q		V		

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda335.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.161)	0.044	0.125
2	0.17	1.30	0.169	(0.161)	0.044	0.125
3	0.25	1.10	0.143	(0.161)	0.037	0.106
4	0.33	1.50	0.195	(0.161)	0.051	0.144
5	0.42	1.50	0.195	(0.161)	0.051	0.144
6	0.50	1.80	0.234	(0.161)	0.061	0.173
7	0.58	1.50	0.195	(0.161)	0.051	0.144
8	0.67	1.80	0.234	(0.161)	0.061	0.173
9	0.75	1.80	0.234	(0.161)	0.061	0.173
10	0.83	1.50	0.195	(0.161)	0.051	0.144
11	0.92	1.60	0.208	(0.161)	0.054	0.154
12	1.00	1.80	0.234	(0.161)	0.061	0.173
13	1.08	2.20	0.286	(0.161)	0.074	0.212
14	1.17	2.20	0.286	(0.161)	0.074	0.212
15	1.25	2.20	0.286	(0.161)	0.074	0.212
16	1.33	2.00	0.260	(0.161)	0.068	0.193
17	1.42	2.60	0.338	(0.161)	0.088	0.250
18	1.50	2.70	0.351	(0.161)	0.091	0.260
19	1.58	2.40	0.312	(0.161)	0.081	0.231
20	1.67	2.70	0.351	(0.161)	0.091	0.260
21	1.75	3.30	0.430	(0.161)	0.112	0.318
22	1.83	3.10	0.404	(0.161)	0.105	0.299
23	1.92	2.90	0.377	(0.161)	0.098	0.279
24	2.00	3.00	0.390	(0.161)	0.102	0.289
25	2.08	3.10	0.404	(0.161)	0.105	0.299
26	2.17	4.20	0.547	(0.161)	0.142	0.405
27	2.25	5.00	0.651	0.161	(0.169)	0.490
28	2.33	3.50	0.456	(0.161)	0.118	0.337
29	2.42	6.80	0.885	0.161	(0.230)	0.724
30	2.50	7.30	0.950	0.161	(0.247)	0.789
31	2.58	8.20	1.067	0.161	(0.278)	0.907
32	2.67	5.90	0.768	0.161	(0.200)	0.607
33	2.75	2.00	0.260	(0.161)	0.068	0.193
34	2.83	1.80	0.234	(0.161)	0.061	0.173
35	2.92	1.80	0.234	(0.161)	0.061	0.173
36	3.00	0.60	0.078	(0.161)	0.020	0.058

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.0

Flood volume = Effective rainfall 0.83(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.26(In)
Total soil loss = 0.065(Ac.Ft)
Total rainfall = 1.08(In)
Flood volume = 9212.3 Cubic Feet
Total soil loss = 2836.4 Cubic Feet

Peak flow rate of this hydrograph = 2.678(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0018	0.26	VQ					
0+10	0.0044	0.39	VQ					
0+15	0.0068	0.35	Q					
0+20	0.0096	0.41	Q					
0+25	0.0127	0.45	QV					
0+30	0.0162	0.51	QV					
0+35	0.0194	0.48	Q V					
0+40	0.0229	0.51	Q V					
0+45	0.0266	0.53	Q V					
0+50	0.0299	0.48	Q V					
0+55	0.0331	0.47	Q V					
1+ 0	0.0366	0.52	Q V					
1+ 5	0.0409	0.61	Q V					
1+10	0.0454	0.65	Q V					
1+15	0.0499	0.65	Q V					
1+20	0.0541	0.61	Q V					
1+25	0.0590	0.71	Q V					
1+30	0.0645	0.79	Q V					
1+35	0.0696	0.74	Q V					
1+40	0.0749	0.77	Q V					
1+45	0.0813	0.92	Q V					
1+50	0.0878	0.94	Q V					
1+55	0.0938	0.88	Q V					
2+ 0	0.0999	0.88	Q V					
2+ 5	0.1062	0.91	Q V					
2+10	0.1140	1.14	Q V					
2+15	0.1238	1.42	Q V					
2+20	0.1321	1.20	Q V					
2+25	0.1447	1.84	Q V					
2+30	0.1611	2.37	Q V					
2+35	0.1795	2.68	Q V					
2+40	0.1945	2.18	Q V					
2+45	0.2015	1.02	Q V					
2+50	0.2053	0.55	Q V					
2+55	0.2090	0.53	Q V					
3+ 0	0.2111	0.30	Q V					
3+ 5	0.2115	0.06	Q V					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda315.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 5 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.161)	0.085	0.242
2	0.17	4.30	0.335	(0.161)	0.087	0.248
3	0.25	5.00	0.389	(0.161)	0.101	0.288
4	0.33	5.00	0.389	(0.161)	0.101	0.288
5	0.42	5.80	0.452	(0.161)	0.117	0.334
6	0.50	6.50	0.506	(0.161)	0.132	0.374
7	0.58	7.40	0.576	(0.161)	0.150	0.426
8	0.67	8.60	0.670	0.161	(0.174)	0.509
9	0.75	12.30	0.958	0.161	(0.249)	0.797
10	0.83	29.10	2.266	0.161	(0.589)	2.105
11	0.92	6.80	0.529	(0.161)	0.138	0.392
12	1.00	5.00	0.389	(0.161)	0.101	0.288

(Loss Rate Not Used)

Sum = 100.0

Sum = 6.3

Flood volume = Effective rainfall 0.52(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.12(In)

Total soil loss = 0.032(Ac.Ft)

Total rainfall = 0.65(In)

Flood volume = 5823.6 Cubic Feet

Total soil loss = 1383.2 Cubic Feet

Peak flow rate of this hydrograph = 5.156(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0034	0.50	Q					
0+10	0.0087	0.76	VQ					
0+15	0.0145	0.85	QV					
0+20	0.0206	0.89	Q V					
0+25	0.0274	0.98	Q V					
0+30	0.0351	1.11	Q V					
0+35	0.0438	1.26	Q V					
0+40	0.0540	1.49	Q V					
0+45	0.0689	2.16	Q V					
0+50	0.1044	5.16	Q					
0+55	0.1248	2.96	Q					
1+ 0	0.1317	0.99	Q					

1+ 5

0.1337

0.29 |Q

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|

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v

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda3242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.93	5.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	4.71	14.41

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.285)	0.004	0.011
2	0.17	0.07	0.015	(0.284)	0.004	0.011
3	0.25	0.07	0.015	(0.283)	0.004	0.011
4	0.33	0.10	0.023	(0.282)	0.006	0.017
5	0.42	0.10	0.023	(0.280)	0.006	0.017
6	0.50	0.10	0.023	(0.279)	0.006	0.017
7	0.58	0.10	0.023	(0.278)	0.006	0.017
8	0.67	0.10	0.023	(0.277)	0.006	0.017
9	0.75	0.10	0.023	(0.276)	0.006	0.017
10	0.83	0.13	0.031	(0.275)	0.008	0.023
11	0.92	0.13	0.031	(0.274)	0.008	0.023
12	1.00	0.13	0.031	(0.273)	0.008	0.023
13	1.08	0.10	0.023	(0.272)	0.006	0.017
14	1.17	0.10	0.023	(0.271)	0.006	0.017
15	1.25	0.10	0.023	(0.270)	0.006	0.017
16	1.33	0.10	0.023	(0.269)	0.006	0.017
17	1.42	0.10	0.023	(0.268)	0.006	0.017
18	1.50	0.10	0.023	(0.266)	0.006	0.017
19	1.58	0.10	0.023	(0.265)	0.006	0.017
20	1.67	0.10	0.023	(0.264)	0.006	0.017
21	1.75	0.10	0.023	(0.263)	0.006	0.017
22	1.83	0.13	0.031	(0.262)	0.008	0.023
23	1.92	0.13	0.031	(0.261)	0.008	0.023
24	2.00	0.13	0.031	(0.260)	0.008	0.023
25	2.08	0.13	0.031	(0.259)	0.008	0.023
26	2.17	0.13	0.031	(0.258)	0.008	0.023
27	2.25	0.13	0.031	(0.257)	0.008	0.023
28	2.33	0.13	0.031	(0.256)	0.008	0.023
29	2.42	0.13	0.031	(0.255)	0.008	0.023
30	2.50	0.13	0.031	(0.254)	0.008	0.023
31	2.58	0.17	0.039	(0.253)	0.010	0.029
32	2.67	0.17	0.039	(0.252)	0.010	0.029
33	2.75	0.17	0.039	(0.251)	0.010	0.029
34	2.83	0.17	0.039	(0.250)	0.010	0.029
35	2.92	0.17	0.039	(0.249)	0.010	0.029
36	3.00	0.17	0.039	(0.248)	0.010	0.029
37	3.08	0.17	0.039	(0.247)	0.010	0.029
38	3.17	0.17	0.039	(0.246)	0.010	0.029
39	3.25	0.17	0.039	(0.245)	0.010	0.029
40	3.33	0.17	0.039	(0.244)	0.010	0.029
41	3.42	0.17	0.039	(0.243)	0.010	0.029
42	3.50	0.17	0.039	(0.241)	0.010	0.029
43	3.58	0.17	0.039	(0.240)	0.010	0.029
44	3.67	0.17	0.039	(0.239)	0.010	0.029
45	3.75	0.17	0.039	(0.238)	0.010	0.029
46	3.83	0.20	0.046	(0.237)	0.012	0.034
47	3.92	0.20	0.046	(0.236)	0.012	0.034

48	4.00	0.20	0.046	(0.235)	0.012	0.034
49	4.08	0.20	0.046	(0.234)	0.012	0.034
50	4.17	0.20	0.046	(0.233)	0.012	0.034
51	4.25	0.20	0.046	(0.232)	0.012	0.034
52	4.33	0.23	0.054	(0.231)	0.014	0.040
53	4.42	0.23	0.054	(0.230)	0.014	0.040
54	4.50	0.23	0.054	(0.229)	0.014	0.040
55	4.58	0.23	0.054	(0.229)	0.014	0.040
56	4.67	0.23	0.054	(0.228)	0.014	0.040
57	4.75	0.23	0.054	(0.227)	0.014	0.040
58	4.83	0.27	0.062	(0.226)	0.016	0.046
59	4.92	0.27	0.062	(0.225)	0.016	0.046
60	5.00	0.27	0.062	(0.224)	0.016	0.046
61	5.08	0.20	0.046	(0.223)	0.012	0.034
62	5.17	0.20	0.046	(0.222)	0.012	0.034
63	5.25	0.20	0.046	(0.221)	0.012	0.034
64	5.33	0.23	0.054	(0.220)	0.014	0.040
65	5.42	0.23	0.054	(0.219)	0.014	0.040
66	5.50	0.23	0.054	(0.218)	0.014	0.040
67	5.58	0.27	0.062	(0.217)	0.016	0.046
68	5.67	0.27	0.062	(0.216)	0.016	0.046
69	5.75	0.27	0.062	(0.215)	0.016	0.046
70	5.83	0.27	0.062	(0.214)	0.016	0.046
71	5.92	0.27	0.062	(0.213)	0.016	0.046
72	6.00	0.27	0.062	(0.212)	0.016	0.046
73	6.08	0.30	0.069	(0.211)	0.018	0.051
74	6.17	0.30	0.069	(0.210)	0.018	0.051
75	6.25	0.30	0.069	(0.209)	0.018	0.051
76	6.33	0.30	0.069	(0.208)	0.018	0.051
77	6.42	0.30	0.069	(0.207)	0.018	0.051
78	6.50	0.30	0.069	(0.207)	0.018	0.051
79	6.58	0.33	0.077	(0.206)	0.020	0.057
80	6.67	0.33	0.077	(0.205)	0.020	0.057
81	6.75	0.33	0.077	(0.204)	0.020	0.057
82	6.83	0.33	0.077	(0.203)	0.020	0.057
83	6.92	0.33	0.077	(0.202)	0.020	0.057
84	7.00	0.33	0.077	(0.201)	0.020	0.057
85	7.08	0.33	0.077	(0.200)	0.020	0.057
86	7.17	0.33	0.077	(0.199)	0.020	0.057
87	7.25	0.33	0.077	(0.198)	0.020	0.057
88	7.33	0.37	0.085	(0.197)	0.022	0.063
89	7.42	0.37	0.085	(0.196)	0.022	0.063
90	7.50	0.37	0.085	(0.196)	0.022	0.063
91	7.58	0.40	0.093	(0.195)	0.024	0.069
92	7.67	0.40	0.093	(0.194)	0.024	0.069
93	7.75	0.40	0.093	(0.193)	0.024	0.069
94	7.83	0.43	0.100	(0.192)	0.026	0.074
95	7.92	0.43	0.100	(0.191)	0.026	0.074
96	8.00	0.43	0.100	(0.190)	0.026	0.074
97	8.08	0.50	0.116	(0.189)	0.030	0.086

98	8.17	0.50	0.116	(0.188)	0.030	0.086
99	8.25	0.50	0.116	(0.188)	0.030	0.086
100	8.33	0.50	0.116	(0.187)	0.030	0.086
101	8.42	0.50	0.116	(0.186)	0.030	0.086
102	8.50	0.50	0.116	(0.185)	0.030	0.086
103	8.58	0.53	0.124	(0.184)	0.032	0.091
104	8.67	0.53	0.124	(0.183)	0.032	0.091
105	8.75	0.53	0.124	(0.182)	0.032	0.091
106	8.83	0.57	0.131	(0.181)	0.034	0.097
107	8.92	0.57	0.131	(0.181)	0.034	0.097
108	9.00	0.57	0.131	(0.180)	0.034	0.097
109	9.08	0.63	0.147	(0.179)	0.038	0.109
110	9.17	0.63	0.147	(0.178)	0.038	0.109
111	9.25	0.63	0.147	(0.177)	0.038	0.109
112	9.33	0.67	0.154	(0.176)	0.040	0.114
113	9.42	0.67	0.154	(0.176)	0.040	0.114
114	9.50	0.67	0.154	(0.175)	0.040	0.114
115	9.58	0.70	0.162	(0.174)	0.042	0.120
116	9.67	0.70	0.162	(0.173)	0.042	0.120
117	9.75	0.70	0.162	(0.172)	0.042	0.120
118	9.83	0.73	0.170	(0.171)	0.044	0.126
119	9.92	0.73	0.170	(0.171)	0.044	0.126
120	10.00	0.73	0.170	(0.170)	0.044	0.126
121	10.08	0.50	0.116	(0.169)	0.030	0.086
122	10.17	0.50	0.116	(0.168)	0.030	0.086
123	10.25	0.50	0.116	(0.167)	0.030	0.086
124	10.33	0.50	0.116	(0.166)	0.030	0.086
125	10.42	0.50	0.116	(0.166)	0.030	0.086
126	10.50	0.50	0.116	(0.165)	0.030	0.086
127	10.58	0.67	0.154	(0.164)	0.040	0.114
128	10.67	0.67	0.154	(0.163)	0.040	0.114
129	10.75	0.67	0.154	(0.162)	0.040	0.114
130	10.83	0.67	0.154	(0.162)	0.040	0.114
131	10.92	0.67	0.154	(0.161)	0.040	0.114
132	11.00	0.67	0.154	(0.160)	0.040	0.114
133	11.08	0.63	0.147	(0.159)	0.038	0.109
134	11.17	0.63	0.147	(0.158)	0.038	0.109
135	11.25	0.63	0.147	(0.158)	0.038	0.109
136	11.33	0.63	0.147	(0.157)	0.038	0.109
137	11.42	0.63	0.147	(0.156)	0.038	0.109
138	11.50	0.63	0.147	(0.155)	0.038	0.109
139	11.58	0.57	0.131	(0.155)	0.034	0.097
140	11.67	0.57	0.131	(0.154)	0.034	0.097
141	11.75	0.57	0.131	(0.153)	0.034	0.097
142	11.83	0.60	0.139	(0.152)	0.036	0.103
143	11.92	0.60	0.139	(0.152)	0.036	0.103
144	12.00	0.60	0.139	(0.151)	0.036	0.103
145	12.08	0.83	0.193	(0.150)	0.050	0.143
146	12.17	0.83	0.193	(0.149)	0.050	0.143
147	12.25	0.83	0.193	(0.149)	0.050	0.143

148	12.33	0.87	0.201	(0.148)	0.052	0.149
149	12.42	0.87	0.201	(0.147)	0.052	0.149
150	12.50	0.87	0.201	(0.146)	0.052	0.149
151	12.58	0.93	0.216	(0.146)	0.056	0.160
152	12.67	0.93	0.216	(0.145)	0.056	0.160
153	12.75	0.93	0.216	(0.144)	0.056	0.160
154	12.83	0.97	0.224	(0.143)	0.058	0.166
155	12.92	0.97	0.224	(0.143)	0.058	0.166
156	13.00	0.97	0.224	(0.142)	0.058	0.166
157	13.08	1.13	0.262	(0.141)	0.068	0.194
158	13.17	1.13	0.262	(0.140)	0.068	0.194
159	13.25	1.13	0.262	(0.140)	0.068	0.194
160	13.33	1.13	0.262	(0.139)	0.068	0.194
161	13.42	1.13	0.262	(0.138)	0.068	0.194
162	13.50	1.13	0.262	(0.138)	0.068	0.194
163	13.58	0.77	0.178	(0.137)	0.046	0.131
164	13.67	0.77	0.178	(0.136)	0.046	0.131
165	13.75	0.77	0.178	(0.136)	0.046	0.131
166	13.83	0.77	0.178	(0.135)	0.046	0.131
167	13.92	0.77	0.178	(0.134)	0.046	0.131
168	14.00	0.77	0.178	(0.133)	0.046	0.131
169	14.08	0.90	0.208	(0.133)	0.054	0.154
170	14.17	0.90	0.208	(0.132)	0.054	0.154
171	14.25	0.90	0.208	(0.131)	0.054	0.154
172	14.33	0.87	0.201	(0.131)	0.052	0.149
173	14.42	0.87	0.201	(0.130)	0.052	0.149
174	14.50	0.87	0.201	(0.129)	0.052	0.149
175	14.58	0.87	0.201	(0.129)	0.052	0.149
176	14.67	0.87	0.201	(0.128)	0.052	0.149
177	14.75	0.87	0.201	(0.127)	0.052	0.149
178	14.83	0.83	0.193	(0.127)	0.050	0.143
179	14.92	0.83	0.193	(0.126)	0.050	0.143
180	15.00	0.83	0.193	(0.126)	0.050	0.143
181	15.08	0.80	0.185	(0.125)	0.048	0.137
182	15.17	0.80	0.185	(0.124)	0.048	0.137
183	15.25	0.80	0.185	(0.124)	0.048	0.137
184	15.33	0.77	0.178	(0.123)	0.046	0.131
185	15.42	0.77	0.178	(0.122)	0.046	0.131
186	15.50	0.77	0.178	(0.122)	0.046	0.131
187	15.58	0.63	0.147	(0.121)	0.038	0.109
188	15.67	0.63	0.147	(0.120)	0.038	0.109
189	15.75	0.63	0.147	(0.120)	0.038	0.109
190	15.83	0.63	0.147	(0.119)	0.038	0.109
191	15.92	0.63	0.147	(0.119)	0.038	0.109
192	16.00	0.63	0.147	(0.118)	0.038	0.109
193	16.08	0.13	0.031	(0.117)	0.008	0.023
194	16.17	0.13	0.031	(0.117)	0.008	0.023
195	16.25	0.13	0.031	(0.116)	0.008	0.023
196	16.33	0.13	0.031	(0.116)	0.008	0.023
197	16.42	0.13	0.031	(0.115)	0.008	0.023

198	16.50	0.13	0.031	(0.114)	0.008	0.023
199	16.58	0.10	0.023	(0.114)	0.006	0.017
200	16.67	0.10	0.023	(0.113)	0.006	0.017
201	16.75	0.10	0.023	(0.113)	0.006	0.017
202	16.83	0.10	0.023	(0.112)	0.006	0.017
203	16.92	0.10	0.023	(0.112)	0.006	0.017
204	17.00	0.10	0.023	(0.111)	0.006	0.017
205	17.08	0.17	0.039	(0.110)	0.010	0.029
206	17.17	0.17	0.039	(0.110)	0.010	0.029
207	17.25	0.17	0.039	(0.109)	0.010	0.029
208	17.33	0.17	0.039	(0.109)	0.010	0.029
209	17.42	0.17	0.039	(0.108)	0.010	0.029
210	17.50	0.17	0.039	(0.108)	0.010	0.029
211	17.58	0.17	0.039	(0.107)	0.010	0.029
212	17.67	0.17	0.039	(0.107)	0.010	0.029
213	17.75	0.17	0.039	(0.106)	0.010	0.029
214	17.83	0.13	0.031	(0.106)	0.008	0.023
215	17.92	0.13	0.031	(0.105)	0.008	0.023
216	18.00	0.13	0.031	(0.105)	0.008	0.023
217	18.08	0.13	0.031	(0.104)	0.008	0.023
218	18.17	0.13	0.031	(0.104)	0.008	0.023
219	18.25	0.13	0.031	(0.103)	0.008	0.023
220	18.33	0.13	0.031	(0.102)	0.008	0.023
221	18.42	0.13	0.031	(0.102)	0.008	0.023
222	18.50	0.13	0.031	(0.102)	0.008	0.023
223	18.58	0.10	0.023	(0.101)	0.006	0.017
224	18.67	0.10	0.023	(0.101)	0.006	0.017
225	18.75	0.10	0.023	(0.100)	0.006	0.017
226	18.83	0.07	0.015	(0.100)	0.004	0.011
227	18.92	0.07	0.015	(0.099)	0.004	0.011
228	19.00	0.07	0.015	(0.099)	0.004	0.011
229	19.08	0.10	0.023	(0.098)	0.006	0.017
230	19.17	0.10	0.023	(0.098)	0.006	0.017
231	19.25	0.10	0.023	(0.097)	0.006	0.017
232	19.33	0.13	0.031	(0.097)	0.008	0.023
233	19.42	0.13	0.031	(0.096)	0.008	0.023
234	19.50	0.13	0.031	(0.096)	0.008	0.023
235	19.58	0.10	0.023	(0.095)	0.006	0.017
236	19.67	0.10	0.023	(0.095)	0.006	0.017
237	19.75	0.10	0.023	(0.095)	0.006	0.017
238	19.83	0.07	0.015	(0.094)	0.004	0.011
239	19.92	0.07	0.015	(0.094)	0.004	0.011
240	20.00	0.07	0.015	(0.093)	0.004	0.011
241	20.08	0.10	0.023	(0.093)	0.006	0.017
242	20.17	0.10	0.023	(0.093)	0.006	0.017
243	20.25	0.10	0.023	(0.092)	0.006	0.017
244	20.33	0.10	0.023	(0.092)	0.006	0.017
245	20.42	0.10	0.023	(0.091)	0.006	0.017
246	20.50	0.10	0.023	(0.091)	0.006	0.017
247	20.58	0.10	0.023	(0.091)	0.006	0.017

248	20.67	0.10	0.023	(0.090)	0.006	0.017
249	20.75	0.10	0.023	(0.090)	0.006	0.017
250	20.83	0.07	0.015	(0.089)	0.004	0.011
251	20.92	0.07	0.015	(0.089)	0.004	0.011
252	21.00	0.07	0.015	(0.089)	0.004	0.011
253	21.08	0.10	0.023	(0.088)	0.006	0.017
254	21.17	0.10	0.023	(0.088)	0.006	0.017
255	21.25	0.10	0.023	(0.088)	0.006	0.017
256	21.33	0.07	0.015	(0.087)	0.004	0.011
257	21.42	0.07	0.015	(0.087)	0.004	0.011
258	21.50	0.07	0.015	(0.087)	0.004	0.011
259	21.58	0.10	0.023	(0.086)	0.006	0.017
260	21.67	0.10	0.023	(0.086)	0.006	0.017
261	21.75	0.10	0.023	(0.086)	0.006	0.017
262	21.83	0.07	0.015	(0.085)	0.004	0.011
263	21.92	0.07	0.015	(0.085)	0.004	0.011
264	22.00	0.07	0.015	(0.085)	0.004	0.011
265	22.08	0.10	0.023	(0.085)	0.006	0.017
266	22.17	0.10	0.023	(0.084)	0.006	0.017
267	22.25	0.10	0.023	(0.084)	0.006	0.017
268	22.33	0.07	0.015	(0.084)	0.004	0.011
269	22.42	0.07	0.015	(0.084)	0.004	0.011
270	22.50	0.07	0.015	(0.083)	0.004	0.011
271	22.58	0.07	0.015	(0.083)	0.004	0.011
272	22.67	0.07	0.015	(0.083)	0.004	0.011
273	22.75	0.07	0.015	(0.083)	0.004	0.011
274	22.83	0.07	0.015	(0.082)	0.004	0.011
275	22.92	0.07	0.015	(0.082)	0.004	0.011
276	23.00	0.07	0.015	(0.082)	0.004	0.011
277	23.08	0.07	0.015	(0.082)	0.004	0.011
278	23.17	0.07	0.015	(0.082)	0.004	0.011
279	23.25	0.07	0.015	(0.081)	0.004	0.011
280	23.33	0.07	0.015	(0.081)	0.004	0.011
281	23.42	0.07	0.015	(0.081)	0.004	0.011
282	23.50	0.07	0.015	(0.081)	0.004	0.011
283	23.58	0.07	0.015	(0.081)	0.004	0.011
284	23.67	0.07	0.015	(0.081)	0.004	0.011
285	23.75	0.07	0.015	(0.081)	0.004	0.011
286	23.83	0.07	0.015	(0.080)	0.004	0.011
287	23.92	0.07	0.015	(0.080)	0.004	0.011
288	24.00	0.07	0.015	(0.080)	0.004	0.011

(Loss Rate Not Used)

Sum = 100.0

Sum = 17.1

Flood volume = Effective rainfall 1.43(In)

times area 3.1(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)

Total soil loss = 0.50(In)

Total soil loss = 0.128(Ac.Ft)

Total rainfall = 1.93(In)

Flood volume = 15864.1 Cubic Feet

Total soil loss = 5573.9 Cubic Feet

Peak flow rate of this hydrograph = 0.599(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0002	0.02	Q					
0+10	0.0004	0.04	Q					
0+15	0.0006	0.04	Q					
0+20	0.0010	0.05	Q					
0+25	0.0013	0.05	Q					
0+30	0.0017	0.05	Q					
0+35	0.0021	0.05	Q					
0+40	0.0024	0.05	Q					
0+45	0.0028	0.05	Q					
0+50	0.0032	0.06	Q					
0+55	0.0037	0.07	Q					
1+ 0	0.0042	0.07	Q					
1+ 5	0.0046	0.06	Q					
1+10	0.0050	0.05	Q					
1+15	0.0053	0.05	Q					
1+20	0.0057	0.05	Q					
1+25	0.0061	0.05	Q					
1+30	0.0064	0.05	Q					
1+35	0.0068	0.05	Q					
1+40	0.0072	0.05	Q					
1+45	0.0075	0.05	Q					
1+50	0.0080	0.06	Q					
1+55	0.0085	0.07	Q					
2+ 0	0.0089	0.07	Q					
2+ 5	0.0094	0.07	QV					
2+10	0.0099	0.07	QV					
2+15	0.0104	0.07	QV					
2+20	0.0109	0.07	QV					
2+25	0.0114	0.07	QV					
2+30	0.0119	0.07	QV					
2+35	0.0124	0.08	QV					
2+40	0.0130	0.09	QV					
2+45	0.0136	0.09	QV					
2+50	0.0142	0.09	QV					
2+55	0.0149	0.09	QV					
3+ 0	0.0155	0.09	QV					
3+ 5	0.0161	0.09	QV					
3+10	0.0167	0.09	QV					

3+15	0.0173	0.09	QV				
3+20	0.0179	0.09	QV				
3+25	0.0185	0.09	Q V				
3+30	0.0191	0.09	Q V				
3+35	0.0197	0.09	Q V				
3+40	0.0203	0.09	Q V				
3+45	0.0209	0.09	Q V				
3+50	0.0216	0.10	Q V				
3+55	0.0223	0.11	Q V				
4+ 0	0.0231	0.11	Q V				
4+ 5	0.0238	0.11	Q V				
4+10	0.0245	0.11	Q V				
4+15	0.0253	0.11	Q V				
4+20	0.0261	0.12	Q V				
4+25	0.0269	0.12	Q V				
4+30	0.0278	0.12	Q V				
4+35	0.0286	0.12	Q V				
4+40	0.0295	0.12	Q V				
4+45	0.0303	0.12	Q V				
4+50	0.0312	0.14	Q V				
4+55	0.0322	0.14	Q V				
5+ 0	0.0332	0.14	Q V				
5+ 5	0.0340	0.12	Q V				
5+10	0.0347	0.11	Q V				
5+15	0.0354	0.11	Q V				
5+20	0.0363	0.12	Q V				
5+25	0.0371	0.12	Q V				
5+30	0.0380	0.12	Q V				
5+35	0.0389	0.14	Q V				
5+40	0.0399	0.14	Q V				
5+45	0.0408	0.14	Q V				
5+50	0.0418	0.14	Q V				
5+55	0.0428	0.14	Q V				
6+ 0	0.0437	0.14	Q V				
6+ 5	0.0448	0.15	Q V				
6+10	0.0459	0.16	Q V				
6+15	0.0470	0.16	Q V				
6+20	0.0481	0.16	Q V				
6+25	0.0492	0.16	Q V				
6+30	0.0503	0.16	Q V				
6+35	0.0514	0.17	Q V				
6+40	0.0526	0.18	Q V				
6+45	0.0539	0.18	Q V				
6+50	0.0551	0.18	Q V				
6+55	0.0563	0.18	Q V				
7+ 0	0.0575	0.18	Q V				
7+ 5	0.0587	0.18	Q V				
7+10	0.0599	0.18	Q V				
7+15	0.0611	0.18	Q V				
7+20	0.0624	0.19	Q V				

7+25	0.0638	0.19	Q	V				
7+30	0.0651	0.19	Q	V				
7+35	0.0665	0.21	Q	V				
7+40	0.0680	0.21	Q	V				
7+45	0.0694	0.21	Q	V				
7+50	0.0710	0.22	Q	V				
7+55	0.0726	0.23	Q	V				
8+ 0	0.0741	0.23	Q	V				
8+ 5	0.0759	0.25	Q	V				
8+10	0.0777	0.26	Q	V				
8+15	0.0795	0.26	Q	V				
8+20	0.0813	0.26	Q	V				
8+25	0.0832	0.26	Q	V				
8+30	0.0850	0.26	Q	V				
8+35	0.0869	0.28	Q	V				
8+40	0.0888	0.28	Q	V				
8+45	0.0908	0.28	Q	V				
8+50	0.0928	0.29	Q	V				
8+55	0.0949	0.30	Q	V				
9+ 0	0.0969	0.30	Q	V				
9+ 5	0.0991	0.32	Q	V				
9+10	0.1015	0.33	Q	V				
9+15	0.1038	0.33	Q	V				
9+20	0.1061	0.35	Q	V				
9+25	0.1086	0.35	Q	V				
9+30	0.1110	0.35	Q	V				
9+35	0.1135	0.36	Q	V				
9+40	0.1161	0.37	Q	V				
9+45	0.1186	0.37	Q	V				
9+50	0.1212	0.38	Q	V				
9+55	0.1239	0.39	Q	V				
10+ 0	0.1266	0.39	Q	V				
10+ 5	0.1287	0.31	Q	V				
10+10	0.1305	0.26	Q	V				
10+15	0.1323	0.26	Q	V				
10+20	0.1341	0.26	Q	V				
10+25	0.1360	0.26	Q	V				
10+30	0.1378	0.26	Q	V				
10+35	0.1400	0.32	Q	V				
10+40	0.1424	0.35	Q	V				
10+45	0.1449	0.35	Q	V				
10+50	0.1473	0.35	Q	V				
10+55	0.1497	0.35	Q	V				
11+ 0	0.1522	0.35	Q	V				
11+ 5	0.1545	0.34	Q	V				
11+10	0.1568	0.33	Q	V				
11+15	0.1591	0.33	Q	V				
11+20	0.1614	0.33	Q	V				
11+25	0.1637	0.33	Q	V				
11+30	0.1660	0.33	Q	V				

11+35	0.1682	0.31	Q	V			
11+40	0.1702	0.30	Q	V			
11+45	0.1723	0.30	Q	V			
11+50	0.1745	0.31	Q	V			
11+55	0.1766	0.32	Q	V			
12+ 0	0.1788	0.32	Q	V			
12+ 5	0.1816	0.40	Q	V			
12+10	0.1846	0.44	Q	V			
12+15	0.1876	0.44	Q	V			
12+20	0.1908	0.45	Q	V			
12+25	0.1939	0.46	Q	V			
12+30	0.1971	0.46	Q	V			
12+35	0.2004	0.48	Q	V			
12+40	0.2038	0.49	Q	V			
12+45	0.2072	0.49	Q	V			
12+50	0.2107	0.51	Q	V			
12+55	0.2142	0.51	Q	V			
13+ 0	0.2177	0.51	Q	V			
13+ 5	0.2216	0.57	Q	V			
13+10	0.2258	0.60	Q	V			
13+15	0.2299	0.60	Q	V			
13+20	0.2340	0.60	Q	V			
13+25	0.2381	0.60	Q	V			
13+30	0.2423	0.60	Q	V			
13+35	0.2455	0.47	Q	V			
13+40	0.2483	0.41	Q	V			
13+45	0.2511	0.41	Q	V			
13+50	0.2539	0.41	Q	V			
13+55	0.2567	0.41	Q	V			
14+ 0	0.2595	0.41	Q	V			
14+ 5	0.2626	0.45	Q	V			
14+10	0.2659	0.48	Q	V			
14+15	0.2691	0.48	Q	V			
14+20	0.2723	0.46	Q	V			
14+25	0.2755	0.46	Q	V			
14+30	0.2787	0.46	Q	V			
14+35	0.2818	0.46	Q	V			
14+40	0.2850	0.46	Q	V			
14+45	0.2881	0.46	Q	V			
14+50	0.2912	0.45	Q	V			
14+55	0.2942	0.44	Q	V			
15+ 0	0.2973	0.44	Q	V			
15+ 5	0.3002	0.43	Q	V			
15+10	0.3031	0.42	Q	V			
15+15	0.3060	0.42	Q	V			
15+20	0.3089	0.41	Q	V			
15+25	0.3117	0.41	Q	V			
15+30	0.3145	0.41	Q	V			
15+35	0.3169	0.36	Q	V			
15+40	0.3192	0.33	Q	V			

15+45	0.3215	0.33	Q				V
15+50	0.3238	0.33	Q				V
15+55	0.3262	0.33	Q				V
16+ 0	0.3285	0.33	Q				V
16+ 5	0.3296	0.16	Q				V
16+10	0.3300	0.07	Q				V
16+15	0.3305	0.07	Q				V
16+20	0.3310	0.07	Q				V
16+25	0.3315	0.07	Q				V
16+30	0.3320	0.07	Q				V
16+35	0.3324	0.06	Q				V
16+40	0.3327	0.05	Q				V
16+45	0.3331	0.05	Q				V
16+50	0.3335	0.05	Q				V
16+55	0.3338	0.05	Q				V
17+ 0	0.3342	0.05	Q				V
17+ 5	0.3347	0.08	Q				V
17+10	0.3353	0.09	Q				V
17+15	0.3359	0.09	Q				V
17+20	0.3366	0.09	Q				V
17+25	0.3372	0.09	Q				V
17+30	0.3378	0.09	Q				V
17+35	0.3384	0.09	Q				V
17+40	0.3390	0.09	Q				V
17+45	0.3396	0.09	Q				V
17+50	0.3401	0.08	Q				V
17+55	0.3406	0.07	Q				V
18+ 0	0.3411	0.07	Q				V
18+ 5	0.3416	0.07	Q				V
18+10	0.3421	0.07	Q				V
18+15	0.3425	0.07	Q				V
18+20	0.3430	0.07	Q				V
18+25	0.3435	0.07	Q				V
18+30	0.3440	0.07	Q				V
18+35	0.3444	0.06	Q				V
18+40	0.3448	0.05	Q				V
18+45	0.3451	0.05	Q				V
18+50	0.3454	0.04	Q				V
18+55	0.3457	0.04	Q				V
19+ 0	0.3459	0.04	Q				V
19+ 5	0.3462	0.05	Q				V
19+10	0.3466	0.05	Q				V
19+15	0.3470	0.05	Q				V
19+20	0.3474	0.06	Q				V
19+25	0.3479	0.07	Q				V
19+30	0.3484	0.07	Q				V
19+35	0.3488	0.06	Q				V
19+40	0.3491	0.05	Q				V
19+45	0.3495	0.05	Q				V
19+50	0.3498	0.04	Q				V

19+55	0.3500	0.04	Q				V
20+ 0	0.3503	0.04	Q				V
20+ 5	0.3506	0.05	Q				V
20+10	0.3510	0.05	Q				V
20+15	0.3513	0.05	Q				V
20+20	0.3517	0.05	Q				V
20+25	0.3520	0.05	Q				V
20+30	0.3524	0.05	Q				V
20+35	0.3528	0.05	Q				V
20+40	0.3531	0.05	Q				V
20+45	0.3535	0.05	Q				V
20+50	0.3538	0.04	Q				V
20+55	0.3540	0.04	Q				V
21+ 0	0.3543	0.04	Q				V
21+ 5	0.3546	0.05	Q				V
21+10	0.3550	0.05	Q				V
21+15	0.3553	0.05	Q				V
21+20	0.3556	0.04	Q				V
21+25	0.3559	0.04	Q				V
21+30	0.3561	0.04	Q				V
21+35	0.3564	0.05	Q				V
21+40	0.3568	0.05	Q				V
21+45	0.3571	0.05	Q				V
21+50	0.3574	0.04	Q				V
21+55	0.3577	0.04	Q				V
22+ 0	0.3579	0.04	Q				V
22+ 5	0.3582	0.05	Q				V
22+10	0.3586	0.05	Q				V
22+15	0.3590	0.05	Q				V
22+20	0.3593	0.04	Q				V
22+25	0.3595	0.04	Q				V
22+30	0.3597	0.04	Q				V
22+35	0.3600	0.04	Q				V
22+40	0.3602	0.04	Q				V
22+45	0.3605	0.04	Q				V
22+50	0.3607	0.04	Q				V
22+55	0.3610	0.04	Q				V
23+ 0	0.3612	0.04	Q				V
23+ 5	0.3614	0.04	Q				V
23+10	0.3617	0.04	Q				V
23+15	0.3619	0.04	Q				V
23+20	0.3622	0.04	Q				V
23+25	0.3624	0.04	Q				V
23+30	0.3627	0.04	Q				V
23+35	0.3629	0.04	Q				V
23+40	0.3631	0.04	Q				V
23+45	0.3634	0.04	Q				V
23+50	0.3636	0.04	Q				V
23+55	0.3639	0.04	Q				V
24+ 0	0.3641	0.04	Q				V

24+ 5

0.3642

0.01 Q

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Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda362.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.13	3.46

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	2.65	8.11

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
Sum =		100.000	Sum=
			3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.161)	0.018	0.050
2	0.17	0.60	0.081	(0.161)	0.021	0.060
3	0.25	0.60	0.081	(0.161)	0.021	0.060
4	0.33	0.60	0.081	(0.161)	0.021	0.060
5	0.42	0.60	0.081	(0.161)	0.021	0.060
6	0.50	0.70	0.095	(0.161)	0.025	0.070
7	0.58	0.70	0.095	(0.161)	0.025	0.070
8	0.67	0.70	0.095	(0.161)	0.025	0.070
9	0.75	0.70	0.095	(0.161)	0.025	0.070
10	0.83	0.70	0.095	(0.161)	0.025	0.070
11	0.92	0.70	0.095	(0.161)	0.025	0.070
12	1.00	0.80	0.108	(0.161)	0.028	0.080
13	1.08	0.80	0.108	(0.161)	0.028	0.080
14	1.17	0.80	0.108	(0.161)	0.028	0.080
15	1.25	0.80	0.108	(0.161)	0.028	0.080
16	1.33	0.80	0.108	(0.161)	0.028	0.080
17	1.42	0.80	0.108	(0.161)	0.028	0.080
18	1.50	0.80	0.108	(0.161)	0.028	0.080
19	1.58	0.80	0.108	(0.161)	0.028	0.080
20	1.67	0.80	0.108	(0.161)	0.028	0.080
21	1.75	0.80	0.108	(0.161)	0.028	0.080
22	1.83	0.80	0.108	(0.161)	0.028	0.080
23	1.92	0.80	0.108	(0.161)	0.028	0.080
24	2.00	0.90	0.122	(0.161)	0.032	0.090
25	2.08	0.80	0.108	(0.161)	0.028	0.080
26	2.17	0.90	0.122	(0.161)	0.032	0.090
27	2.25	0.90	0.122	(0.161)	0.032	0.090
28	2.33	0.90	0.122	(0.161)	0.032	0.090
29	2.42	0.90	0.122	(0.161)	0.032	0.090
30	2.50	0.90	0.122	(0.161)	0.032	0.090
31	2.58	0.90	0.122	(0.161)	0.032	0.090
32	2.67	0.90	0.122	(0.161)	0.032	0.090
33	2.75	1.00	0.136	(0.161)	0.035	0.100
34	2.83	1.00	0.136	(0.161)	0.035	0.100
35	2.92	1.00	0.136	(0.161)	0.035	0.100
36	3.00	1.00	0.136	(0.161)	0.035	0.100
37	3.08	1.00	0.136	(0.161)	0.035	0.100
38	3.17	1.10	0.149	(0.161)	0.039	0.110
39	3.25	1.10	0.149	(0.161)	0.039	0.110
40	3.33	1.10	0.149	(0.161)	0.039	0.110
41	3.42	1.20	0.163	(0.161)	0.042	0.120
42	3.50	1.30	0.176	(0.161)	0.046	0.130
43	3.58	1.40	0.190	(0.161)	0.049	0.140
44	3.67	1.40	0.190	(0.161)	0.049	0.140
45	3.75	1.50	0.203	(0.161)	0.053	0.151
46	3.83	1.50	0.203	(0.161)	0.053	0.151
47	3.92	1.60	0.217	(0.161)	0.056	0.161

48	4.00	1.60	0.217	(0.161)	0.056	0.161
49	4.08	1.70	0.231	(0.161)	0.060	0.171
50	4.17	1.80	0.244	(0.161)	0.063	0.181
51	4.25	1.90	0.258	(0.161)	0.067	0.191
52	4.33	2.00	0.271	(0.161)	0.071	0.201
53	4.42	2.10	0.285	(0.161)	0.074	0.211
54	4.50	2.10	0.285	(0.161)	0.074	0.211
55	4.58	2.20	0.298	(0.161)	0.078	0.221
56	4.67	2.30	0.312	(0.161)	0.081	0.231
57	4.75	2.40	0.325	(0.161)	0.085	0.241
58	4.83	2.40	0.325	(0.161)	0.085	0.241
59	4.92	2.50	0.339	(0.161)	0.088	0.251
60	5.00	2.60	0.353	(0.161)	0.092	0.261
61	5.08	3.10	0.420	(0.161)	0.109	0.311
62	5.17	3.60	0.488	(0.161)	0.127	0.361
63	5.25	3.90	0.529	(0.161)	0.137	0.391
64	5.33	4.20	0.570	(0.161)	0.148	0.421
65	5.42	4.70	0.637	0.161 (0.166)		0.477
66	5.50	5.60	0.759	0.161 (0.197)		0.599
67	5.58	1.90	0.258	(0.161)	0.067	0.191
68	5.67	0.90	0.122	(0.161)	0.032	0.090
69	5.75	0.60	0.081	(0.161)	0.021	0.060
70	5.83	0.50	0.068	(0.161)	0.018	0.050
71	5.92	0.30	0.041	(0.161)	0.011	0.030
72	6.00	0.20	0.027	(0.161)	0.007	0.020

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.1

Flood volume = Effective rainfall 0.84(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.074(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 9326.9 Cubic Feet
Total soil loss = 3224.8 Cubic Feet

Peak flow rate of this hydrograph = 1.722(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0007	0.10	Q				
0+10	0.0019	0.18	Q				
0+15	0.0032	0.19	Q				
0+20	0.0045	0.19	Q				

0+25	0.0058	0.19	QV				
0+30	0.0072	0.21	QV				
0+35	0.0087	0.22	QV				
0+40	0.0102	0.22	QV				
0+45	0.0117	0.22	Q V				
0+50	0.0132	0.22	Q V				
0+55	0.0146	0.22	Q V				
1+ 0	0.0163	0.24	Q V				
1+ 5	0.0180	0.25	Q V				
1+10	0.0197	0.25	Q V				
1+15	0.0214	0.25	Q V				
1+20	0.0231	0.25	Q V				
1+25	0.0248	0.25	Q V				
1+30	0.0265	0.25	Q V				
1+35	0.0282	0.25	Q V				
1+40	0.0299	0.25	Q V				
1+45	0.0316	0.25	Q V				
1+50	0.0333	0.25	Q V				
1+55	0.0350	0.25	Q V				
2+ 0	0.0369	0.27	Q V				
2+ 5	0.0387	0.26	Q V				
2+10	0.0405	0.27	Q V				
2+15	0.0424	0.28	Q V				
2+20	0.0444	0.28	Q V				
2+25	0.0463	0.28	Q V				
2+30	0.0482	0.28	Q V				
2+35	0.0501	0.28	Q V				
2+40	0.0520	0.28	Q V				
2+45	0.0541	0.30	Q V				
2+50	0.0562	0.31	Q V				
2+55	0.0584	0.31	Q V				
3+ 0	0.0605	0.31	Q V				
3+ 5	0.0626	0.31	Q V				
3+10	0.0649	0.33	Q V				
3+15	0.0672	0.34	Q V				
3+20	0.0696	0.34	Q V				
3+25	0.0721	0.36	Q V				
3+30	0.0748	0.39	Q V				
3+35	0.0777	0.42	Q V				
3+40	0.0807	0.43	Q V				
3+45	0.0838	0.45	Q V				
3+50	0.0870	0.46	Q V				
3+55	0.0903	0.49	Q V				
4+ 0	0.0938	0.50	Q V				
4+ 5	0.0973	0.52	Q V				
4+10	0.1011	0.55	Q V				
4+15	0.1051	0.58	Q V				
4+20	0.1093	0.61	Q V				
4+25	0.1137	0.64	Q V				
4+30	0.1181	0.65	Q V				

4+35	0.1228	0.67	Q			V		
4+40	0.1276	0.70	Q			V		
4+45	0.1326	0.73	Q			V		
4+50	0.1378	0.74	Q			V		
4+55	0.1430	0.76	Q			V		
5+ 0	0.1485	0.79	Q			V		
5+ 5	0.1547	0.91	Q			V		
5+10	0.1621	1.06	Q			V		
5+15	0.1702	1.18	Q			V		
5+20	0.1789	1.27	Q				V	
5+25	0.1887	1.41	Q				V	
5+30	0.2005	1.72	Q				V	
5+35	0.2074	1.01	Q				V	
5+40	0.2101	0.38	Q				V	
5+45	0.2116	0.22	Q				V	
5+50	0.2127	0.17	Q				V	
5+55	0.2135	0.11	Q				V	
6+ 0	0.2140	0.07	Q				V	
6+ 5	0.2141	0.02	Q				V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda332.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.82	2.50

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.96	6.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	426.565	66.831	2.061
2 0.167	853.130	33.169	1.023
Sum = 100.000		Sum=	3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.161)	0.033	0.094
2	0.17	1.30	0.127	(0.161)	0.033	0.094
3	0.25	1.10	0.108	(0.161)	0.028	0.080
4	0.33	1.50	0.147	(0.161)	0.038	0.109
5	0.42	1.50	0.147	(0.161)	0.038	0.109
6	0.50	1.80	0.176	(0.161)	0.046	0.131
7	0.58	1.50	0.147	(0.161)	0.038	0.109
8	0.67	1.80	0.176	(0.161)	0.046	0.131
9	0.75	1.80	0.176	(0.161)	0.046	0.131
10	0.83	1.50	0.147	(0.161)	0.038	0.109
11	0.92	1.60	0.157	(0.161)	0.041	0.116
12	1.00	1.80	0.176	(0.161)	0.046	0.131
13	1.08	2.20	0.216	(0.161)	0.056	0.160
14	1.17	2.20	0.216	(0.161)	0.056	0.160
15	1.25	2.20	0.216	(0.161)	0.056	0.160
16	1.33	2.00	0.196	(0.161)	0.051	0.145
17	1.42	2.60	0.255	(0.161)	0.066	0.189
18	1.50	2.70	0.265	(0.161)	0.069	0.196
19	1.58	2.40	0.235	(0.161)	0.061	0.174
20	1.67	2.70	0.265	(0.161)	0.069	0.196
21	1.75	3.30	0.324	(0.161)	0.084	0.239
22	1.83	3.10	0.304	(0.161)	0.079	0.225
23	1.92	2.90	0.284	(0.161)	0.074	0.210
24	2.00	3.00	0.294	(0.161)	0.076	0.218
25	2.08	3.10	0.304	(0.161)	0.079	0.225
26	2.17	4.20	0.412	(0.161)	0.107	0.305
27	2.25	5.00	0.490	(0.161)	0.127	0.363
28	2.33	3.50	0.343	(0.161)	0.089	0.254
29	2.42	6.80	0.667	0.161	(0.173)	0.506
30	2.50	7.30	0.716	0.161	(0.186)	0.555
31	2.58	8.20	0.804	0.161	(0.209)	0.643
32	2.67	5.90	0.578	(0.161)	0.150	0.428
33	2.75	2.00	0.196	(0.161)	0.051	0.145
34	2.83	1.80	0.176	(0.161)	0.046	0.131
35	2.92	1.80	0.176	(0.161)	0.046	0.131
36	3.00	0.60	0.059	(0.161)	0.015	0.044

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.3

Flood volume = Effective rainfall 0.61(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.21(In)
Total soil loss = 0.052(Ac.Ft)
Total rainfall = 0.82(In)
Flood volume = 6795.3 Cubic Feet
Total soil loss = 2279.6 Cubic Feet

Peak flow rate of this hydrograph = 1.894(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0013	0.19	Q					
0+10	0.0033	0.29	VQ					
0+15	0.0051	0.26	Q					
0+20	0.0072	0.31	Q					
0+25	0.0096	0.34	QV					
0+30	0.0122	0.38	Q V					
0+35	0.0146	0.36	Q V					
0+40	0.0173	0.38	Q V					
0+45	0.0200	0.40	Q V					
0+50	0.0225	0.36	Q V					
0+55	0.0249	0.35	Q V					
1+ 0	0.0276	0.39	Q V					
1+ 5	0.0308	0.46	Q V					
1+10	0.0342	0.49	Q V					
1+15	0.0376	0.49	Q V					
1+20	0.0408	0.46	Q V					
1+25	0.0445	0.54	Q V					
1+30	0.0486	0.60	Q V					
1+35	0.0524	0.56	Q V					
1+40	0.0564	0.58	Q V					
1+45	0.0612	0.69	Q V					
1+50	0.0661	0.71	Q V					
1+55	0.0707	0.66	Q V					
2+ 0	0.0752	0.66	Q V					
2+ 5	0.0800	0.69	Q V					
2+10	0.0859	0.86	Q V					
2+15	0.0932	1.06	Q V					
2+20	0.0993	0.89	Q V					
2+25	0.1083	1.30	Q V					
2+30	0.1198	1.66	Q V					
2+35	0.1328	1.89	Q V					
2+40	0.1434	1.54	Q V					
2+45	0.1485	0.74	Q V					
2+50	0.1514	0.42	Q V					
2+55	0.1542	0.40	Q V					
3+ 0	0.1557	0.22	Q V					
3+ 5	0.1560	0.04	Q V					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda312.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-3 2 yr

Drainage Area = 3.06(Ac.) = 0.005 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 3.06(Ac.) =
0.005 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 206.55(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.039 Mi.
Difference in elevation = 6.41(Ft.)
Slope along watercourse = 66.0116 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.020 Hr.
Lag time = 1.17 Min.
25% of lag time = 0.29 Min.
40% of lag time = 0.47 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	0.47	1.43

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
3.06	1.24	3.79

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
3.060	69.00	0.800

Total Area Entered = 3.06(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.800	0.161	1.000	0.161
Sum (F) =						0.161

Area averaged mean soil loss (F) (In/Hr) = 0.161
Minimum soil loss rate ((In/Hr)) = 0.080
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	426.565	66.831
2	0.167	853.130	33.169
		Sum = 100.000	Sum= 3.084

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.161)	0.061	0.175
2	0.17	4.30	0.241	(0.161)	0.063	0.179
3	0.25	5.00	0.281	(0.161)	0.073	0.208
4	0.33	5.00	0.281	(0.161)	0.073	0.208
5	0.42	5.80	0.326	(0.161)	0.085	0.241
6	0.50	6.50	0.365	(0.161)	0.095	0.270
7	0.58	7.40	0.416	(0.161)	0.108	0.308
8	0.67	8.60	0.483	(0.161)	0.126	0.357
9	0.75	12.30	0.691	0.161	(0.180)	0.530
10	0.83	29.10	1.634	0.161	(0.425)	1.474
11	0.92	6.80	0.382	(0.161)	0.099	0.283
12	1.00	5.00	0.281	(0.161)	0.073	0.208

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.4

Flood volume = Effective rainfall 0.37(In)
times area 3.1(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.025(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 4108.8 Cubic Feet
Total soil loss = 1089.5 Cubic Feet

Peak flow rate of this hydrograph = 3.581(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0025	0.36	Q				
0+10	0.0062	0.55	Q				
0+15	0.0105	0.61	Q V				
0+20	0.0149	0.64	Q V				
0+25	0.0198	0.71	Q V				
0+30	0.0253	0.80	Q V				
0+35	0.0316	0.91	Q V				
0+40	0.0388	1.05	Q V				
0+45	0.0489	1.46	Q V				
0+50	0.0735	3.58	Q		V		
0+55	0.0879	2.09	Q			V	
1+ 0	0.0929	0.72	Q				V

1+ 5

0.0943

0.21 Q

|

|

|

V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda424100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.129)	0.034	0.004
2	0.17	0.07	0.038	(0.129)	0.034	0.004
3	0.25	0.07	0.038	(0.128)	0.034	0.004
4	0.33	0.10	0.057	(0.128)	0.051	0.006
5	0.42	0.10	0.057	(0.127)	0.051	0.006
6	0.50	0.10	0.057	(0.127)	0.051	0.006
7	0.58	0.10	0.057	(0.126)	0.051	0.006
8	0.67	0.10	0.057	(0.126)	0.051	0.006
9	0.75	0.10	0.057	(0.125)	0.051	0.006
10	0.83	0.13	0.075	(0.125)	0.068	0.008
11	0.92	0.13	0.075	(0.124)	0.068	0.008
12	1.00	0.13	0.075	(0.124)	0.068	0.008
13	1.08	0.10	0.057	(0.123)	0.051	0.006
14	1.17	0.10	0.057	(0.123)	0.051	0.006
15	1.25	0.10	0.057	(0.122)	0.051	0.006
16	1.33	0.10	0.057	(0.122)	0.051	0.006
17	1.42	0.10	0.057	(0.121)	0.051	0.006
18	1.50	0.10	0.057	(0.121)	0.051	0.006
19	1.58	0.10	0.057	(0.120)	0.051	0.006
20	1.67	0.10	0.057	(0.120)	0.051	0.006
21	1.75	0.10	0.057	(0.119)	0.051	0.006
22	1.83	0.13	0.075	(0.119)	0.068	0.008
23	1.92	0.13	0.075	(0.118)	0.068	0.008
24	2.00	0.13	0.075	(0.118)	0.068	0.008
25	2.08	0.13	0.075	(0.117)	0.068	0.008
26	2.17	0.13	0.075	(0.117)	0.068	0.008
27	2.25	0.13	0.075	(0.116)	0.068	0.008
28	2.33	0.13	0.075	(0.116)	0.068	0.008
29	2.42	0.13	0.075	(0.115)	0.068	0.008
30	2.50	0.13	0.075	(0.115)	0.068	0.008
31	2.58	0.17	0.094	(0.115)	0.085	0.009
32	2.67	0.17	0.094	(0.114)	0.085	0.009
33	2.75	0.17	0.094	(0.114)	0.085	0.009
34	2.83	0.17	0.094	(0.113)	0.085	0.009
35	2.92	0.17	0.094	(0.113)	0.085	0.009
36	3.00	0.17	0.094	(0.112)	0.085	0.009
37	3.08	0.17	0.094	(0.112)	0.085	0.009
38	3.17	0.17	0.094	(0.111)	0.085	0.009
39	3.25	0.17	0.094	(0.111)	0.085	0.009
40	3.33	0.17	0.094	(0.110)	0.085	0.009
41	3.42	0.17	0.094	(0.110)	0.085	0.009
42	3.50	0.17	0.094	(0.109)	0.085	0.009
43	3.58	0.17	0.094	(0.109)	0.085	0.009
44	3.67	0.17	0.094	(0.108)	0.085	0.009

45	3.75	0.17	0.094	(0.108)	0.085	0.009
46	3.83	0.20	0.113	(0.108)	0.102	0.011
47	3.92	0.20	0.113	(0.107)	0.102	0.011
48	4.00	0.20	0.113	(0.107)	0.102	0.011
49	4.08	0.20	0.113	(0.106)	0.102	0.011
50	4.17	0.20	0.113	(0.106)	0.102	0.011
51	4.25	0.20	0.113	(0.105)	0.102	0.011
52	4.33	0.23	0.132	0.105	(0.119)	0.027
53	4.42	0.23	0.132	0.104	(0.119)	0.027
54	4.50	0.23	0.132	0.104	(0.119)	0.028
55	4.58	0.23	0.132	0.104	(0.119)	0.028
56	4.67	0.23	0.132	0.103	(0.119)	0.029
57	4.75	0.23	0.132	0.103	(0.119)	0.029
58	4.83	0.27	0.151	0.102	(0.136)	0.049
59	4.92	0.27	0.151	0.102	(0.136)	0.049
60	5.00	0.27	0.151	0.101	(0.136)	0.049
61	5.08	0.20	0.113	0.101	(0.102)	0.012
62	5.17	0.20	0.113	0.100	(0.102)	0.013
63	5.25	0.20	0.113	0.100	(0.102)	0.013
64	5.33	0.23	0.132	0.100	(0.119)	0.032
65	5.42	0.23	0.132	0.099	(0.119)	0.033
66	5.50	0.23	0.132	0.099	(0.119)	0.033
67	5.58	0.27	0.151	0.098	(0.136)	0.052
68	5.67	0.27	0.151	0.098	(0.136)	0.053
69	5.75	0.27	0.151	0.097	(0.136)	0.053
70	5.83	0.27	0.151	0.097	(0.136)	0.054
71	5.92	0.27	0.151	0.097	(0.136)	0.054
72	6.00	0.27	0.151	0.096	(0.136)	0.055
73	6.08	0.30	0.170	0.096	(0.153)	0.074
74	6.17	0.30	0.170	0.095	(0.153)	0.074
75	6.25	0.30	0.170	0.095	(0.153)	0.075
76	6.33	0.30	0.170	0.094	(0.153)	0.075
77	6.42	0.30	0.170	0.094	(0.153)	0.076
78	6.50	0.30	0.170	0.094	(0.153)	0.076
79	6.58	0.33	0.188	0.093	(0.170)	0.095
80	6.67	0.33	0.188	0.093	(0.170)	0.096
81	6.75	0.33	0.188	0.092	(0.170)	0.096
82	6.83	0.33	0.188	0.092	(0.170)	0.097
83	6.92	0.33	0.188	0.091	(0.170)	0.097
84	7.00	0.33	0.188	0.091	(0.170)	0.097
85	7.08	0.33	0.188	0.091	(0.170)	0.098
86	7.17	0.33	0.188	0.090	(0.170)	0.098
87	7.25	0.33	0.188	0.090	(0.170)	0.099
88	7.33	0.37	0.207	0.089	(0.187)	0.118
89	7.42	0.37	0.207	0.089	(0.187)	0.118
90	7.50	0.37	0.207	0.089	(0.187)	0.119
91	7.58	0.40	0.226	0.088	(0.203)	0.138
92	7.67	0.40	0.226	0.088	(0.203)	0.138
93	7.75	0.40	0.226	0.087	(0.203)	0.139
94	7.83	0.43	0.245	0.087	(0.220)	0.158

95	7.92	0.43	0.245	0.087	(0.220)	0.158
96	8.00	0.43	0.245	0.086	(0.220)	0.159
97	8.08	0.50	0.283	0.086	(0.254)	0.197
98	8.17	0.50	0.283	0.085	(0.254)	0.197
99	8.25	0.50	0.283	0.085	(0.254)	0.198
100	8.33	0.50	0.283	0.085	(0.254)	0.198
101	8.42	0.50	0.283	0.084	(0.254)	0.198
102	8.50	0.50	0.283	0.084	(0.254)	0.199
103	8.58	0.53	0.301	0.083	(0.271)	0.218
104	8.67	0.53	0.301	0.083	(0.271)	0.218
105	8.75	0.53	0.301	0.083	(0.271)	0.219
106	8.83	0.57	0.320	0.082	(0.288)	0.238
107	8.92	0.57	0.320	0.082	(0.288)	0.238
108	9.00	0.57	0.320	0.081	(0.288)	0.239
109	9.08	0.63	0.358	0.081	(0.322)	0.277
110	9.17	0.63	0.358	0.081	(0.322)	0.277
111	9.25	0.63	0.358	0.080	(0.322)	0.278
112	9.33	0.67	0.377	0.080	(0.339)	0.297
113	9.42	0.67	0.377	0.080	(0.339)	0.297
114	9.50	0.67	0.377	0.079	(0.339)	0.298
115	9.58	0.70	0.396	0.079	(0.356)	0.317
116	9.67	0.70	0.396	0.078	(0.356)	0.317
117	9.75	0.70	0.396	0.078	(0.356)	0.318
118	9.83	0.73	0.414	0.078	(0.373)	0.337
119	9.92	0.73	0.414	0.077	(0.373)	0.337
120	10.00	0.73	0.414	0.077	(0.373)	0.338
121	10.08	0.50	0.283	0.077	(0.254)	0.206
122	10.17	0.50	0.283	0.076	(0.254)	0.206
123	10.25	0.50	0.283	0.076	(0.254)	0.207
124	10.33	0.50	0.283	0.075	(0.254)	0.207
125	10.42	0.50	0.283	0.075	(0.254)	0.208
126	10.50	0.50	0.283	0.075	(0.254)	0.208
127	10.58	0.67	0.377	0.074	(0.339)	0.302
128	10.67	0.67	0.377	0.074	(0.339)	0.303
129	10.75	0.67	0.377	0.074	(0.339)	0.303
130	10.83	0.67	0.377	0.073	(0.339)	0.304
131	10.92	0.67	0.377	0.073	(0.339)	0.304
132	11.00	0.67	0.377	0.072	(0.339)	0.304
133	11.08	0.63	0.358	0.072	(0.322)	0.286
134	11.17	0.63	0.358	0.072	(0.322)	0.286
135	11.25	0.63	0.358	0.071	(0.322)	0.287
136	11.33	0.63	0.358	0.071	(0.322)	0.287
137	11.42	0.63	0.358	0.071	(0.322)	0.287
138	11.50	0.63	0.358	0.070	(0.322)	0.288
139	11.58	0.57	0.320	0.070	(0.288)	0.250
140	11.67	0.57	0.320	0.070	(0.288)	0.251
141	11.75	0.57	0.320	0.069	(0.288)	0.251
142	11.83	0.60	0.339	0.069	(0.305)	0.270
143	11.92	0.60	0.339	0.069	(0.305)	0.270
144	12.00	0.60	0.339	0.068	(0.305)	0.271

145	12.08	0.83	0.471	0.068	(0.424)	0.403
146	12.17	0.83	0.471	0.068	(0.424)	0.403
147	12.25	0.83	0.471	0.067	(0.424)	0.404
148	12.33	0.87	0.490	0.067	(0.441)	0.423
149	12.42	0.87	0.490	0.067	(0.441)	0.423
150	12.50	0.87	0.490	0.066	(0.441)	0.424
151	12.58	0.93	0.528	0.066	(0.475)	0.462
152	12.67	0.93	0.528	0.066	(0.475)	0.462
153	12.75	0.93	0.528	0.065	(0.475)	0.462
154	12.83	0.97	0.546	0.065	(0.492)	0.481
155	12.92	0.97	0.546	0.065	(0.492)	0.482
156	13.00	0.97	0.546	0.064	(0.492)	0.482
157	13.08	1.13	0.641	0.064	(0.577)	0.577
158	13.17	1.13	0.641	0.064	(0.577)	0.577
159	13.25	1.13	0.641	0.063	(0.577)	0.577
160	13.33	1.13	0.641	0.063	(0.577)	0.578
161	13.42	1.13	0.641	0.063	(0.577)	0.578
162	13.50	1.13	0.641	0.062	(0.577)	0.578
163	13.58	0.77	0.433	0.062	(0.390)	0.371
164	13.67	0.77	0.433	0.062	(0.390)	0.372
165	13.75	0.77	0.433	0.061	(0.390)	0.372
166	13.83	0.77	0.433	0.061	(0.390)	0.372
167	13.92	0.77	0.433	0.061	(0.390)	0.373
168	14.00	0.77	0.433	0.060	(0.390)	0.373
169	14.08	0.90	0.509	0.060	(0.458)	0.449
170	14.17	0.90	0.509	0.060	(0.458)	0.449
171	14.25	0.90	0.509	0.060	(0.458)	0.449
172	14.33	0.87	0.490	0.059	(0.441)	0.431
173	14.42	0.87	0.490	0.059	(0.441)	0.431
174	14.50	0.87	0.490	0.059	(0.441)	0.431
175	14.58	0.87	0.490	0.058	(0.441)	0.431
176	14.67	0.87	0.490	0.058	(0.441)	0.432
177	14.75	0.87	0.490	0.058	(0.441)	0.432
178	14.83	0.83	0.471	0.057	(0.424)	0.414
179	14.92	0.83	0.471	0.057	(0.424)	0.414
180	15.00	0.83	0.471	0.057	(0.424)	0.414
181	15.08	0.80	0.452	0.057	(0.407)	0.396
182	15.17	0.80	0.452	0.056	(0.407)	0.396
183	15.25	0.80	0.452	0.056	(0.407)	0.396
184	15.33	0.77	0.433	0.056	(0.390)	0.378
185	15.42	0.77	0.433	0.055	(0.390)	0.378
186	15.50	0.77	0.433	0.055	(0.390)	0.378
187	15.58	0.63	0.358	0.055	(0.322)	0.303
188	15.67	0.63	0.358	0.055	(0.322)	0.303
189	15.75	0.63	0.358	0.054	(0.322)	0.304
190	15.83	0.63	0.358	0.054	(0.322)	0.304
191	15.92	0.63	0.358	0.054	(0.322)	0.304
192	16.00	0.63	0.358	0.053	(0.322)	0.304
193	16.08	0.13	0.075	0.053	(0.068)	0.022
194	16.17	0.13	0.075	0.053	(0.068)	0.022

195	16.25	0.13	0.075	0.053	(0.068)	0.023
196	16.33	0.13	0.075	0.052	(0.068)	0.023
197	16.42	0.13	0.075	0.052	(0.068)	0.023
198	16.50	0.13	0.075	0.052	(0.068)	0.024
199	16.58	0.10	0.057	(0.052)	0.051	0.006
200	16.67	0.10	0.057	(0.051)	0.051	0.006
201	16.75	0.10	0.057	(0.051)	0.051	0.006
202	16.83	0.10	0.057	0.051	(0.051)	0.006
203	16.92	0.10	0.057	0.051	(0.051)	0.006
204	17.00	0.10	0.057	0.050	(0.051)	0.006
205	17.08	0.17	0.094	0.050	(0.085)	0.044
206	17.17	0.17	0.094	0.050	(0.085)	0.044
207	17.25	0.17	0.094	0.050	(0.085)	0.045
208	17.33	0.17	0.094	0.049	(0.085)	0.045
209	17.42	0.17	0.094	0.049	(0.085)	0.045
210	17.50	0.17	0.094	0.049	(0.085)	0.045
211	17.58	0.17	0.094	0.049	(0.085)	0.046
212	17.67	0.17	0.094	0.048	(0.085)	0.046
213	17.75	0.17	0.094	0.048	(0.085)	0.046
214	17.83	0.13	0.075	0.048	(0.068)	0.028
215	17.92	0.13	0.075	0.048	(0.068)	0.028
216	18.00	0.13	0.075	0.047	(0.068)	0.028
217	18.08	0.13	0.075	0.047	(0.068)	0.028
218	18.17	0.13	0.075	0.047	(0.068)	0.028
219	18.25	0.13	0.075	0.047	(0.068)	0.029
220	18.33	0.13	0.075	0.046	(0.068)	0.029
221	18.42	0.13	0.075	0.046	(0.068)	0.029
222	18.50	0.13	0.075	0.046	(0.068)	0.029
223	18.58	0.10	0.057	0.046	(0.051)	0.011
224	18.67	0.10	0.057	0.046	(0.051)	0.011
225	18.75	0.10	0.057	0.045	(0.051)	0.011
226	18.83	0.07	0.038	(0.045)	0.034	0.004
227	18.92	0.07	0.038	(0.045)	0.034	0.004
228	19.00	0.07	0.038	(0.045)	0.034	0.004
229	19.08	0.10	0.057	0.044	(0.051)	0.012
230	19.17	0.10	0.057	0.044	(0.051)	0.012
231	19.25	0.10	0.057	0.044	(0.051)	0.012
232	19.33	0.13	0.075	0.044	(0.068)	0.032
233	19.42	0.13	0.075	0.044	(0.068)	0.032
234	19.50	0.13	0.075	0.043	(0.068)	0.032
235	19.58	0.10	0.057	0.043	(0.051)	0.013
236	19.67	0.10	0.057	0.043	(0.051)	0.013
237	19.75	0.10	0.057	0.043	(0.051)	0.014
238	19.83	0.07	0.038	(0.043)	0.034	0.004
239	19.92	0.07	0.038	(0.042)	0.034	0.004
240	20.00	0.07	0.038	(0.042)	0.034	0.004
241	20.08	0.10	0.057	0.042	(0.051)	0.014
242	20.17	0.10	0.057	0.042	(0.051)	0.015
243	20.25	0.10	0.057	0.042	(0.051)	0.015
244	20.33	0.10	0.057	0.042	(0.051)	0.015

245	20.42	0.10	0.057	0.041	(0.051)	0.015
246	20.50	0.10	0.057	0.041	(0.051)	0.015
247	20.58	0.10	0.057	0.041	(0.051)	0.016
248	20.67	0.10	0.057	0.041	(0.051)	0.016
249	20.75	0.10	0.057	0.041	(0.051)	0.016
250	20.83	0.07	0.038	(0.041)	0.034	0.004
251	20.92	0.07	0.038	(0.040)	0.034	0.004
252	21.00	0.07	0.038	(0.040)	0.034	0.004
253	21.08	0.10	0.057	0.040	(0.051)	0.016
254	21.17	0.10	0.057	0.040	(0.051)	0.017
255	21.25	0.10	0.057	0.040	(0.051)	0.017
256	21.33	0.07	0.038	(0.040)	0.034	0.004
257	21.42	0.07	0.038	(0.039)	0.034	0.004
258	21.50	0.07	0.038	(0.039)	0.034	0.004
259	21.58	0.10	0.057	0.039	(0.051)	0.017
260	21.67	0.10	0.057	0.039	(0.051)	0.018
261	21.75	0.10	0.057	0.039	(0.051)	0.018
262	21.83	0.07	0.038	(0.039)	0.034	0.004
263	21.92	0.07	0.038	(0.039)	0.034	0.004
264	22.00	0.07	0.038	(0.038)	0.034	0.004
265	22.08	0.10	0.057	0.038	(0.051)	0.018
266	22.17	0.10	0.057	0.038	(0.051)	0.018
267	22.25	0.10	0.057	0.038	(0.051)	0.018
268	22.33	0.07	0.038	(0.038)	0.034	0.004
269	22.42	0.07	0.038	(0.038)	0.034	0.004
270	22.50	0.07	0.038	(0.038)	0.034	0.004
271	22.58	0.07	0.038	(0.038)	0.034	0.004
272	22.67	0.07	0.038	(0.038)	0.034	0.004
273	22.75	0.07	0.038	(0.037)	0.034	0.004
274	22.83	0.07	0.038	(0.037)	0.034	0.004
275	22.92	0.07	0.038	(0.037)	0.034	0.004
276	23.00	0.07	0.038	(0.037)	0.034	0.004
277	23.08	0.07	0.038	(0.037)	0.034	0.004
278	23.17	0.07	0.038	(0.037)	0.034	0.004
279	23.25	0.07	0.038	(0.037)	0.034	0.004
280	23.33	0.07	0.038	(0.037)	0.034	0.004
281	23.42	0.07	0.038	(0.037)	0.034	0.004
282	23.50	0.07	0.038	(0.037)	0.034	0.004
283	23.58	0.07	0.038	(0.037)	0.034	0.004
284	23.67	0.07	0.038	(0.037)	0.034	0.004
285	23.75	0.07	0.038	(0.036)	0.034	0.004
286	23.83	0.07	0.038	(0.036)	0.034	0.004
287	23.92	0.07	0.038	(0.036)	0.034	0.004
288	24.00	0.07	0.038	(0.036)	0.034	0.004

(Loss Rate Not Used)

Sum = 100.0

Sum = 38.1

Flood volume = Effective rainfall 3.18(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)

Total soil loss = 1.53(In)

Total soil loss = 0.312(Ac.Ft)

Total rainfall = 4.71(In)
 Flood volume = 28139.4 Cubic Feet
 Total soil loss = 13577.8 Cubic Feet

 Peak flow rate of this hydrograph = 1.422(CFS)

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 24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000		0.00	Q				
0+10	0.0001		0.01	Q				
0+15	0.0001		0.01	Q				
0+20	0.0002		0.01	Q				
0+25	0.0003		0.01	Q				
0+30	0.0004		0.01	Q				
0+35	0.0005		0.01	Q				
0+40	0.0006		0.01	Q				
0+45	0.0007		0.01	Q				
0+50	0.0008		0.02	Q				
0+55	0.0009		0.02	Q				
1+ 0	0.0010		0.02	Q				
1+ 5	0.0011		0.02	Q				
1+10	0.0012		0.01	Q				
1+15	0.0013		0.01	Q				
1+20	0.0014		0.01	Q				
1+25	0.0015		0.01	Q				
1+30	0.0016		0.01	Q				
1+35	0.0017		0.01	Q				
1+40	0.0018		0.01	Q				
1+45	0.0019		0.01	Q				
1+50	0.0020		0.02	Q				
1+55	0.0022		0.02	Q				
2+ 0	0.0023		0.02	Q				
2+ 5	0.0024		0.02	Q				
2+10	0.0025		0.02	Q				
2+15	0.0027		0.02	Q				
2+20	0.0028		0.02	Q				
2+25	0.0029		0.02	Q				
2+30	0.0030		0.02	Q				
2+35	0.0032		0.02	Q				
2+40	0.0033		0.02	Q				
2+45	0.0035		0.02	Q				
2+50	0.0037		0.02	Q				
2+55	0.0038		0.02	Q				

3+ 0	0.0040	0.02	Q
3+ 5	0.0041	0.02	Q
3+10	0.0043	0.02	Q
3+15	0.0045	0.02	Q
3+20	0.0046	0.02	Q
3+25	0.0048	0.02	Q
3+30	0.0049	0.02	Q
3+35	0.0051	0.02	Q
3+40	0.0052	0.02	Q
3+45	0.0054	0.02	Q
3+50	0.0056	0.02	Q
3+55	0.0058	0.03	Q
4+ 0	0.0060	0.03	Q
4+ 5	0.0061	0.03	Q
4+10	0.0063	0.03	Q
4+15	0.0065	0.03	Q
4+20	0.0068	0.04	Q
4+25	0.0072	0.06	Q
4+30	0.0077	0.06	Q
4+35	0.0081	0.07	Q
4+40	0.0086	0.07	Q
4+45	0.0091	0.07	Q
4+50	0.0097	0.09	Q
4+55	0.0105	0.11	Q
5+ 0	0.0113	0.12	Q
5+ 5	0.0119	0.09	Q
5+10	0.0122	0.05	Q
5+15	0.0125	0.04	Q
5+20	0.0128	0.05	Q
5+25	0.0133	0.07	Q
5+30	0.0139	0.08	Q
5+35	0.0145	0.10	Q
5+40	0.0154	0.12	Q
5+45	0.0162	0.13	QV
5+50	0.0171	0.13	QV
5+55	0.0180	0.13	QV
6+ 0	0.0190	0.13	QV
6+ 5	0.0200	0.15	QV
6+10	0.0212	0.17	QV
6+15	0.0224	0.18	QV
6+20	0.0237	0.18	QV
6+25	0.0250	0.19	QV
6+30	0.0262	0.19	QV
6+35	0.0276	0.20	QV
6+40	0.0292	0.23	QV
6+45	0.0308	0.23	QV
6+50	0.0324	0.24	Q V
6+55	0.0341	0.24	Q V
7+ 0	0.0357	0.24	Q V
7+ 5	0.0374	0.24	Q V

7+10	0.0390	0.24	Q V				
7+15	0.0407	0.24	Q V				
7+20	0.0425	0.26	QV				
7+25	0.0444	0.28	QV				
7+30	0.0464	0.29	QV				
7+35	0.0485	0.31	Q V				
7+40	0.0508	0.33	Q V				
7+45	0.0531	0.34	Q V				
7+50	0.0556	0.36	Q V				
7+55	0.0582	0.38	Q V				
8+ 0	0.0608	0.39	Q V				
8+ 5	0.0638	0.42	Q V				
8+10	0.0670	0.47	Q V				
8+15	0.0703	0.48	Q V				
8+20	0.0736	0.48	Q V				
8+25	0.0770	0.49	Q V				
8+30	0.0803	0.49	Q V				
8+35	0.0838	0.51	Q V				
8+40	0.0874	0.53	Q V				
8+45	0.0911	0.53	Q V				
8+50	0.0949	0.55	Q V				
8+55	0.0989	0.58	Q V				
9+ 0	0.1029	0.58	Q V				
9+ 5	0.1072	0.62	Q V				
9+10	0.1118	0.66	Q V				
9+15	0.1164	0.68	Q V				
9+20	0.1212	0.70	Q V				
9+25	0.1262	0.72	Q V				
9+30	0.1312	0.73	Q V				
9+35	0.1364	0.75	Q V				
9+40	0.1417	0.77	Q V				
9+45	0.1470	0.78	Q V				
9+50	0.1525	0.80	Q V				
9+55	0.1582	0.82	Q V				
10+ 0	0.1639	0.83	Q V				
10+ 5	0.1688	0.71	Q V				
10+10	0.1727	0.57	Q V				
10+15	0.1763	0.53	Q V				
10+20	0.1799	0.52	Q V				
10+25	0.1834	0.51	Q V				
10+30	0.1869	0.51	Q V				
10+35	0.1910	0.60	Q V				
10+40	0.1959	0.70	Q V				
10+45	0.2009	0.73	Q V				
10+50	0.2060	0.74	Q V				
10+55	0.2111	0.75	Q V				
11+ 0	0.2163	0.75	Q V				
11+ 5	0.2213	0.73	Q V				
11+10	0.2262	0.71	Q V				
11+15	0.2311	0.71	Q V				

11+20	0.2360	0.71	Q	V			
11+25	0.2408	0.71	Q	V			
11+30	0.2457	0.71	Q	V			
11+35	0.2503	0.67	Q	V			
11+40	0.2547	0.63	Q	V			
11+45	0.2590	0.62	Q	V			
11+50	0.2634	0.64	Q	V			
11+55	0.2679	0.66	Q	V			
12+ 0	0.2724	0.66	Q	V			
12+ 5	0.2778	0.78	Q	V			
12+10	0.2843	0.93	Q	V			
12+15	0.2909	0.97	Q	V			
12+20	0.2978	1.00	Q	V			
12+25	0.3049	1.03	Q	V			
12+30	0.3121	1.04	Q	V			
12+35	0.3195	1.07	Q	V			
12+40	0.3272	1.12	Q	V			
12+45	0.3350	1.13	Q	V			
12+50	0.3429	1.15	Q	V			
12+55	0.3510	1.18	Q	V			
13+ 0	0.3591	1.18	Q	V			
13+ 5	0.3679	1.27	Q	V			
13+10	0.3774	1.38	Q	V			
13+15	0.3870	1.40	Q	V			
13+20	0.3968	1.41	Q	V			
13+25	0.4065	1.42	Q	V			
13+30	0.4163	1.42	Q	V			
13+35	0.4249	1.24	Q	V			
13+40	0.4318	1.00	Q	V			
13+45	0.4383	0.95	Q	V			
13+50	0.4447	0.93	Q	V			
13+55	0.4510	0.92	Q	V			
14+ 0	0.4574	0.92	Q	V			
14+ 5	0.4641	0.98	Q	V			
14+10	0.4715	1.07	Q	V			
14+15	0.4790	1.09	Q	V			
14+20	0.4865	1.08	Q	V			
14+25	0.4938	1.07	Q	V			
14+30	0.5012	1.06	Q	V			
14+35	0.5085	1.06	Q	V			
14+40	0.5158	1.06	Q	V			
14+45	0.5231	1.06	Q	V			
14+50	0.5303	1.05	Q	V			
14+55	0.5374	1.03	Q	V			
15+ 0	0.5444	1.02	Q	V			
15+ 5	0.5513	1.00	Q	V			
15+10	0.5581	0.98	Q	V			
15+15	0.5648	0.98	Q	V			
15+20	0.5714	0.96	Q	V			
15+25	0.5779	0.94	Q	V			

15+30	0.5843	0.93	Q				V
15+35	0.5903	0.86	Q				V
15+40	0.5956	0.78	Q				V
15+45	0.6009	0.76	Q				V
15+50	0.6060	0.75	Q				V
15+55	0.6112	0.75	Q				V
16+ 0	0.6163	0.75	Q				V
16+ 5	0.6198	0.50	Q				V
16+10	0.6210	0.18	Q				V
16+15	0.6217	0.11	Q				V
16+20	0.6223	0.08	Q				V
16+25	0.6227	0.06	Q				V
16+30	0.6230	0.06	Q				V
16+35	0.6233	0.04	Q				V
16+40	0.6235	0.02	Q				V
16+45	0.6236	0.02	Q				V
16+50	0.6237	0.02	Q				V
16+55	0.6238	0.01	Q				V
17+ 0	0.6239	0.01	Q				V
17+ 5	0.6242	0.05	Q				V
17+10	0.6249	0.09	Q				V
17+15	0.6256	0.10	Q				V
17+20	0.6263	0.11	Q				V
17+25	0.6271	0.11	Q				V
17+30	0.6279	0.11	Q				V
17+35	0.6286	0.11	Q				V
17+40	0.6294	0.11	Q				V
17+45	0.6302	0.11	Q				V
17+50	0.6308	0.10	Q				V
17+55	0.6314	0.08	Q				V
18+ 0	0.6319	0.07	Q				V
18+ 5	0.6323	0.07	Q				V
18+10	0.6328	0.07	Q				V
18+15	0.6333	0.07	Q				V
18+20	0.6338	0.07	Q				V
18+25	0.6343	0.07	Q				V
18+30	0.6348	0.07	Q				V
18+35	0.6352	0.06	Q				V
18+40	0.6354	0.03	Q				V
18+45	0.6356	0.03	Q				V
18+50	0.6358	0.02	Q				V
18+55	0.6358	0.01	Q				V
19+ 0	0.6359	0.01	Q				V
19+ 5	0.6360	0.02	Q				V
19+10	0.6362	0.03	Q				V
19+15	0.6364	0.03	Q				V
19+20	0.6367	0.05	Q				V
19+25	0.6372	0.07	Q				V
19+30	0.6377	0.07	Q				V
19+35	0.6381	0.06	Q				V

19+40	0.6384	0.04	Q				V
19+45	0.6387	0.04	Q				V
19+50	0.6389	0.03	Q				V
19+55	0.6390	0.01	Q				V
20+ 0	0.6390	0.01	Q				V
20+ 5	0.6392	0.02	Q				V
20+10	0.6394	0.03	Q				V
20+15	0.6396	0.03	Q				V
20+20	0.6399	0.04	Q				V
20+25	0.6401	0.04	Q				V
20+30	0.6404	0.04	Q				V
20+35	0.6406	0.04	Q				V
20+40	0.6409	0.04	Q				V
20+45	0.6412	0.04	Q				V
20+50	0.6414	0.03	Q				V
20+55	0.6415	0.01	Q				V
21+ 0	0.6415	0.01	Q				V
21+ 5	0.6417	0.02	Q				V
21+10	0.6419	0.04	Q				V
21+15	0.6422	0.04	Q				V
21+20	0.6424	0.03	Q				V
21+25	0.6425	0.01	Q				V
21+30	0.6426	0.01	Q				V
21+35	0.6427	0.02	Q				V
21+40	0.6430	0.04	Q				V
21+45	0.6433	0.04	Q				V
21+50	0.6435	0.03	Q				V
21+55	0.6436	0.02	Q				V
22+ 0	0.6437	0.01	Q				V
22+ 5	0.6438	0.02	Q				V
22+10	0.6441	0.04	Q				V
22+15	0.6444	0.04	Q				V
22+20	0.6446	0.03	Q				V
22+25	0.6447	0.02	Q				V
22+30	0.6448	0.01	Q				V
22+35	0.6448	0.01	Q				V
22+40	0.6449	0.01	Q				V
22+45	0.6450	0.01	Q				V
22+50	0.6450	0.01	Q				V
22+55	0.6451	0.01	Q				V
23+ 0	0.6452	0.01	Q				V
23+ 5	0.6452	0.01	Q				V
23+10	0.6453	0.01	Q				V
23+15	0.6454	0.01	Q				V
23+20	0.6454	0.01	Q				V
23+25	0.6455	0.01	Q				V
23+30	0.6455	0.01	Q				V
23+35	0.6456	0.01	Q				V
23+40	0.6457	0.01	Q				V
23+45	0.6457	0.01	Q				V

23+50	0.6458	0.01	Q				V
23+55	0.6459	0.01	Q				V
24+ 0	0.6459	0.01	Q				V
24+ 5	0.6460	0.01	Q				V
24+10	0.6460	0.00	Q				V
24+15	0.6460	0.00	Q				V
24+20	0.6460	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda46100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	0.073	(0.143)	0.086
2	0.17	0.60	0.191	0.073	(0.172)	0.118
3	0.25	0.60	0.191	0.073	(0.172)	0.118
4	0.33	0.60	0.191	0.073	(0.172)	0.118
5	0.42	0.60	0.191	0.073	(0.172)	0.118
6	0.50	0.70	0.223	0.073	(0.200)	0.150
7	0.58	0.70	0.223	0.073	(0.200)	0.150
8	0.67	0.70	0.223	0.073	(0.200)	0.150
9	0.75	0.70	0.223	0.073	(0.200)	0.150
10	0.83	0.70	0.223	0.073	(0.200)	0.150
11	0.92	0.70	0.223	0.073	(0.200)	0.150
12	1.00	0.80	0.254	0.073	(0.229)	0.182
13	1.08	0.80	0.254	0.073	(0.229)	0.182
14	1.17	0.80	0.254	0.073	(0.229)	0.182
15	1.25	0.80	0.254	0.073	(0.229)	0.182
16	1.33	0.80	0.254	0.073	(0.229)	0.182
17	1.42	0.80	0.254	0.073	(0.229)	0.182
18	1.50	0.80	0.254	0.073	(0.229)	0.182
19	1.58	0.80	0.254	0.073	(0.229)	0.182
20	1.67	0.80	0.254	0.073	(0.229)	0.182
21	1.75	0.80	0.254	0.073	(0.229)	0.182
22	1.83	0.80	0.254	0.073	(0.229)	0.182
23	1.92	0.80	0.254	0.073	(0.229)	0.182
24	2.00	0.90	0.286	0.073	(0.258)	0.213
25	2.08	0.80	0.254	0.073	(0.229)	0.182
26	2.17	0.90	0.286	0.073	(0.258)	0.213
27	2.25	0.90	0.286	0.073	(0.258)	0.213
28	2.33	0.90	0.286	0.073	(0.258)	0.213
29	2.42	0.90	0.286	0.073	(0.258)	0.213
30	2.50	0.90	0.286	0.073	(0.258)	0.213
31	2.58	0.90	0.286	0.073	(0.258)	0.213
32	2.67	0.90	0.286	0.073	(0.258)	0.213
33	2.75	1.00	0.318	0.073	(0.286)	0.245
34	2.83	1.00	0.318	0.073	(0.286)	0.245
35	2.92	1.00	0.318	0.073	(0.286)	0.245
36	3.00	1.00	0.318	0.073	(0.286)	0.245
37	3.08	1.00	0.318	0.073	(0.286)	0.245
38	3.17	1.10	0.350	0.073	(0.315)	0.277
39	3.25	1.10	0.350	0.073	(0.315)	0.277
40	3.33	1.10	0.350	0.073	(0.315)	0.277
41	3.42	1.20	0.382	0.073	(0.343)	0.309
42	3.50	1.30	0.413	0.073	(0.372)	0.341
43	3.58	1.40	0.445	0.073	(0.401)	0.372
44	3.67	1.40	0.445	0.073	(0.401)	0.372

45	3.75	1.50	0.477	0.073	(0.429)	0.404
46	3.83	1.50	0.477	0.073	(0.429)	0.404
47	3.92	1.60	0.509	0.073	(0.458)	0.436
48	4.00	1.60	0.509	0.073	(0.458)	0.436
49	4.08	1.70	0.541	0.073	(0.487)	0.468
50	4.17	1.80	0.572	0.073	(0.515)	0.500
51	4.25	1.90	0.604	0.073	(0.544)	0.531
52	4.33	2.00	0.636	0.073	(0.572)	0.563
53	4.42	2.10	0.668	0.073	(0.601)	0.595
54	4.50	2.10	0.668	0.073	(0.601)	0.595
55	4.58	2.20	0.700	0.073	(0.630)	0.627
56	4.67	2.30	0.731	0.073	(0.658)	0.659
57	4.75	2.40	0.763	0.073	(0.687)	0.690
58	4.83	2.40	0.763	0.073	(0.687)	0.690
59	4.92	2.50	0.795	0.073	(0.715)	0.722
60	5.00	2.60	0.827	0.073	(0.744)	0.754
61	5.08	3.10	0.986	0.073	(0.887)	0.913
62	5.17	3.60	1.145	0.073	(1.030)	1.072
63	5.25	3.90	1.240	0.073	(1.116)	1.167
64	5.33	4.20	1.336	0.073	(1.202)	1.263
65	5.42	4.70	1.495	0.073	(1.345)	1.422
66	5.50	5.60	1.781	0.073	(1.603)	1.708
67	5.58	1.90	0.604	0.073	(0.544)	0.531
68	5.67	0.90	0.286	0.073	(0.258)	0.213
69	5.75	0.60	0.191	0.073	(0.172)	0.118
70	5.83	0.50	0.159	0.073	(0.143)	0.086
71	5.92	0.30	0.095	0.073	(0.086)	0.023
72	6.00	0.20	0.064	(0.073)	0.057	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 26.6

Flood volume = Effective rainfall 2.21(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 0.44(In)
Total soil loss = 0.089(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 19614.0 Cubic Feet
Total soil loss = 3857.3 Cubic Feet

Peak flow rate of this hydrograph = 3.658(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005	0.08	Q				

0+10	0.0019	0.20	Q				
0+15	0.0037	0.26	VQ				
0+20	0.0056	0.28	VQ				
0+25	0.0076	0.29	VQ				
0+30	0.0098	0.32	VQ				
0+35	0.0123	0.35	Q				
0+40	0.0148	0.36	Q				
0+45	0.0173	0.37	Q				
0+50	0.0198	0.37	Q				
0+55	0.0224	0.37	Q				
1+ 0	0.0251	0.40	QV				
1+ 5	0.0281	0.43	QV				
1+10	0.0311	0.44	QV				
1+15	0.0342	0.44	Q V				
1+20	0.0372	0.45	Q V				
1+25	0.0403	0.45	Q V				
1+30	0.0434	0.45	Q V				
1+35	0.0465	0.45	Q V				
1+40	0.0496	0.45	Q V				
1+45	0.0526	0.45	Q V				
1+50	0.0557	0.45	Q V				
1+55	0.0588	0.45	Q V				
2+ 0	0.0621	0.48	Q V				
2+ 5	0.0654	0.48	Q V				
2+10	0.0687	0.48	Q V				
2+15	0.0723	0.51	Q V				
2+20	0.0758	0.52	Q V				
2+25	0.0794	0.52	Q V				
2+30	0.0831	0.53	Q V				
2+35	0.0867	0.53	Q V				
2+40	0.0903	0.53	Q V				
2+45	0.0941	0.55	Q V				
2+50	0.0982	0.59	Q V				
2+55	0.1023	0.60	Q V				
3+ 0	0.1064	0.60	Q V				
3+ 5	0.1106	0.60	Q V				
3+10	0.1149	0.63	Q V				
3+15	0.1195	0.67	Q V				
3+20	0.1242	0.68	Q V				
3+25	0.1290	0.71	Q V				
3+30	0.1344	0.77	Q V				
3+35	0.1402	0.85	Q V				
3+40	0.1464	0.89	Q V				
3+45	0.1528	0.94	Q V				
3+50	0.1596	0.98	Q V				
3+55	0.1666	1.02	Q V				
4+ 0	0.1738	1.06	Q V				
4+ 5	0.1814	1.10	Q V				
4+10	0.1894	1.16	Q V				
4+15	0.1979	1.24	Q V				

4+20	0.2070	1.31		Q		V					
4+25	0.2165	1.39		Q		V					
4+30	0.2265	1.44		Q		V					
4+35	0.2367	1.48		Q		V					
4+40	0.2474	1.55		Q		V					
4+45	0.2586	1.63		Q		V					
4+50	0.2702	1.68		Q		V					
4+55	0.2820	1.72		Q		V					
5+ 0	0.2943	1.79		Q		V					
5+ 5	0.3079	1.98		Q		V					
5+10	0.3238	2.31			Q		V				
5+15	0.3419	2.62			Q		V				
5+20	0.3617	2.88			Q		V				
5+25	0.3836	3.18			Q		V				
5+30	0.4088	3.66			Q		V				
5+35	0.4294	3.00			Q		V				
5+40	0.4396	1.48		Q						V	
5+45	0.4449	0.77		Q						V	
5+50	0.4480	0.44		Q						V	
5+55	0.4494	0.21		Q						V	
6+ 0	0.4500	0.08		Q						V	
6+ 5	0.4502	0.03		Q						V	
6+10	0.4503	0.01		Q						V	
6+15	0.4503	0.00		Q						V	
6+20	0.4503	0.00		Q						V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda43100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.073	(0.275)	0.233
2	0.17	1.30	0.306	0.073	(0.275)	0.233
3	0.25	1.10	0.259	0.073	(0.233)	0.186
4	0.33	1.50	0.353	0.073	(0.318)	0.280
5	0.42	1.50	0.353	0.073	(0.318)	0.280
6	0.50	1.80	0.423	0.073	(0.381)	0.351
7	0.58	1.50	0.353	0.073	(0.318)	0.280
8	0.67	1.80	0.423	0.073	(0.381)	0.351
9	0.75	1.80	0.423	0.073	(0.381)	0.351
10	0.83	1.50	0.353	0.073	(0.318)	0.280
11	0.92	1.60	0.376	0.073	(0.339)	0.304
12	1.00	1.80	0.423	0.073	(0.381)	0.351
13	1.08	2.20	0.517	0.073	(0.466)	0.445
14	1.17	2.20	0.517	0.073	(0.466)	0.445
15	1.25	2.20	0.517	0.073	(0.466)	0.445
16	1.33	2.00	0.470	0.073	(0.423)	0.398
17	1.42	2.60	0.612	0.073	(0.550)	0.539
18	1.50	2.70	0.635	0.073	(0.572)	0.562
19	1.58	2.40	0.564	0.073	(0.508)	0.492
20	1.67	2.70	0.635	0.073	(0.572)	0.562
21	1.75	3.30	0.776	0.073	(0.699)	0.703
22	1.83	3.10	0.729	0.073	(0.656)	0.656
23	1.92	2.90	0.682	0.073	(0.614)	0.609
24	2.00	3.00	0.706	0.073	(0.635)	0.633
25	2.08	3.10	0.729	0.073	(0.656)	0.656
26	2.17	4.20	0.988	0.073	(0.889)	0.915
27	2.25	5.00	1.176	0.073	(1.058)	1.103
28	2.33	3.50	0.823	0.073	(0.741)	0.750
29	2.42	6.80	1.599	0.073	(1.439)	1.527
30	2.50	7.30	1.717	0.073	(1.545)	1.644
31	2.58	8.20	1.929	0.073	(1.736)	1.856
32	2.67	5.90	1.388	0.073	(1.249)	1.315
33	2.75	2.00	0.470	0.073	(0.423)	0.398
34	2.83	1.80	0.423	0.073	(0.381)	0.351
35	2.92	1.80	0.423	0.073	(0.381)	0.351
36	3.00	0.60	0.141	0.073	(0.127)	0.068

(Loss Rate Not Used)

Sum = 100.0

Sum = 20.9

Flood volume = Effective rainfall 1.74(In)

times area 2.4(Ac.)/[(In)/(Ft.)) = 0.4(Ac.Ft)

Total soil loss = 0.22(In)

Total soil loss = 0.044(Ac.Ft)

Total rainfall = 1.96(In)

Flood volume = 15425.5 Cubic Feet

Total soil loss = 1934.4 Cubic Feet

Peak flow rate of this hydrograph = 4.066(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0014	0.21	Q				
0+10	0.0047	0.47	VQ				
0+15	0.0080	0.49	VQ				
0+20	0.0118	0.55	VQ				
0+25	0.0163	0.66	VQ				
0+30	0.0214	0.74	Q				
0+35	0.0266	0.76	Q				
0+40	0.0319	0.77	Q				
0+45	0.0377	0.84	QV				
0+50	0.0432	0.79	QV				
0+55	0.0482	0.74	Q V				
1+ 0	0.0537	0.79	Q V				
1+ 5	0.0601	0.93	Q V				
1+10	0.0673	1.04	Q V				
1+15	0.0746	1.07	Q V				
1+20	0.0818	1.05	Q V				
1+25	0.0896	1.12	Q V				
1+30	0.0985	1.29	Q V				
1+35	0.1074	1.29	Q V				
1+40	0.1162	1.29	Q V				
1+45	0.1265	1.49	Q V				
1+50	0.1376	1.62	Q V				
1+55	0.1484	1.56	Q V				
2+ 0	0.1590	1.54	Q V				
2+ 5	0.1699	1.58	Q V				
2+10	0.1825	1.83	Q V				
2+15	0.1983	2.30	Q V				
2+20	0.2140	2.27	Q V				
2+25	0.2321	2.64	Q V				
2+30	0.2567	3.57	Q V				
2+35	0.2847	4.07	Q V				
2+40	0.3117	3.92	Q V				
2+45	0.3297	2.61	Q V				
2+50	0.3395	1.42	Q V				
2+55	0.3470	1.09	Q V				
3+ 0	0.3517	0.68	Q V				
3+ 5	0.3533	0.23	Q V				

3+10	0.3539	0.08	Q				V
3+15	0.3541	0.03	Q				V
3+20	0.3541	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda41100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
Sum (F) =						0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective (In/Hr)
	(Hr.)	Percent	(In/Hr)	Max	Low	
1	0.08	4.20	0.625	0.073	(0.562)	0.552
2	0.17	4.30	0.640	0.073	(0.576)	0.567
3	0.25	5.00	0.744	0.073	(0.670)	0.671
4	0.33	5.00	0.744	0.073	(0.670)	0.671
5	0.42	5.80	0.863	0.073	(0.777)	0.790
6	0.50	6.50	0.967	0.073	(0.870)	0.894
7	0.58	7.40	1.101	0.073	(0.991)	1.028
8	0.67	8.60	1.280	0.073	(1.152)	1.207
9	0.75	12.30	1.830	0.073	(1.647)	1.757
10	0.83	29.10	4.330	0.073	(3.897)	4.257
11	0.92	6.80	1.012	0.073	(0.911)	0.939
12	1.00	5.00	0.744	0.073	(0.670)	0.671

(Loss Rate Not Used)

Sum = 100.0

Sum = 14.0

Flood volume = Effective rainfall 1.17(In)

$$\text{times area} \quad 2.4(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad 0.2(\text{Ac.}\cdot\text{Ft})$$

Total soil loss = 0.07(In)

Total soil loss = 0.015(Ac.Ft)

Total rainfall = 1.24(In)

Flood volume = 10337.9 Cubic Feet

Total soil loss = 644.8 Cubic Feet

Peak flow rate of this hydrograph = 6.319(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0034	0.49	VQ					
0+10	0.0112	1.13	V	Q				
0+15	0.0207	1.38		V	Q			
0+20	0.0314	1.56			VQ			
0+25	0.0434	1.74			QV			
0+30	0.0570	1.98			Q	V		
0+35	0.0725	2.25			Q	V		
0+40	0.0905	2.60			Q	V		
0+45	0.1135	3.35			Q	V		

0+50	0.1566	6.26						QV			
0+55	0.2001	6.32						Q		V	
1+ 0	0.2211	3.04				Q				V	
1+ 5	0.2321	1.60		Q						V	
1+10	0.2360	0.57		Q						V	
1+15	0.2370	0.14		Q						V	
1+20	0.2373	0.05		Q						V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda42410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.311)	0.022	0.002
2	0.17	0.07	0.025	(0.310)	0.022	0.002
3	0.25	0.07	0.025	(0.309)	0.022	0.002
4	0.33	0.10	0.037	(0.308)	0.033	0.004
5	0.42	0.10	0.037	(0.306)	0.033	0.004
6	0.50	0.10	0.037	(0.305)	0.033	0.004
7	0.58	0.10	0.037	(0.304)	0.033	0.004
8	0.67	0.10	0.037	(0.303)	0.033	0.004
9	0.75	0.10	0.037	(0.302)	0.033	0.004
10	0.83	0.13	0.049	(0.301)	0.044	0.005
11	0.92	0.13	0.049	(0.299)	0.044	0.005
12	1.00	0.13	0.049	(0.298)	0.044	0.005
13	1.08	0.10	0.037	(0.297)	0.033	0.004
14	1.17	0.10	0.037	(0.296)	0.033	0.004
15	1.25	0.10	0.037	(0.295)	0.033	0.004
16	1.33	0.10	0.037	(0.293)	0.033	0.004
17	1.42	0.10	0.037	(0.292)	0.033	0.004
18	1.50	0.10	0.037	(0.291)	0.033	0.004
19	1.58	0.10	0.037	(0.290)	0.033	0.004
20	1.67	0.10	0.037	(0.289)	0.033	0.004
21	1.75	0.10	0.037	(0.288)	0.033	0.004
22	1.83	0.13	0.049	(0.287)	0.044	0.005
23	1.92	0.13	0.049	(0.285)	0.044	0.005
24	2.00	0.13	0.049	(0.284)	0.044	0.005
25	2.08	0.13	0.049	(0.283)	0.044	0.005
26	2.17	0.13	0.049	(0.282)	0.044	0.005
27	2.25	0.13	0.049	(0.281)	0.044	0.005
28	2.33	0.13	0.049	(0.280)	0.044	0.005
29	2.42	0.13	0.049	(0.278)	0.044	0.005
30	2.50	0.13	0.049	(0.277)	0.044	0.005
31	2.58	0.17	0.061	(0.276)	0.055	0.006
32	2.67	0.17	0.061	(0.275)	0.055	0.006
33	2.75	0.17	0.061	(0.274)	0.055	0.006
34	2.83	0.17	0.061	(0.273)	0.055	0.006
35	2.92	0.17	0.061	(0.272)	0.055	0.006
36	3.00	0.17	0.061	(0.271)	0.055	0.006
37	3.08	0.17	0.061	(0.269)	0.055	0.006
38	3.17	0.17	0.061	(0.268)	0.055	0.006
39	3.25	0.17	0.061	(0.267)	0.055	0.006
40	3.33	0.17	0.061	(0.266)	0.055	0.006
41	3.42	0.17	0.061	(0.265)	0.055	0.006
42	3.50	0.17	0.061	(0.264)	0.055	0.006
43	3.58	0.17	0.061	(0.263)	0.055	0.006
44	3.67	0.17	0.061	(0.262)	0.055	0.006

45	3.75	0.17	0.061	(0.261)	0.055	0.006
46	3.83	0.20	0.074	(0.259)	0.066	0.007
47	3.92	0.20	0.074	(0.258)	0.066	0.007
48	4.00	0.20	0.074	(0.257)	0.066	0.007
49	4.08	0.20	0.074	(0.256)	0.066	0.007
50	4.17	0.20	0.074	(0.255)	0.066	0.007
51	4.25	0.20	0.074	(0.254)	0.066	0.007
52	4.33	0.23	0.086	(0.253)	0.077	0.009
53	4.42	0.23	0.086	(0.252)	0.077	0.009
54	4.50	0.23	0.086	(0.251)	0.077	0.009
55	4.58	0.23	0.086	(0.250)	0.077	0.009
56	4.67	0.23	0.086	(0.249)	0.077	0.009
57	4.75	0.23	0.086	(0.248)	0.077	0.009
58	4.83	0.27	0.098	(0.246)	0.089	0.010
59	4.92	0.27	0.098	(0.245)	0.089	0.010
60	5.00	0.27	0.098	(0.244)	0.089	0.010
61	5.08	0.20	0.074	(0.243)	0.066	0.007
62	5.17	0.20	0.074	(0.242)	0.066	0.007
63	5.25	0.20	0.074	(0.241)	0.066	0.007
64	5.33	0.23	0.086	(0.240)	0.077	0.009
65	5.42	0.23	0.086	(0.239)	0.077	0.009
66	5.50	0.23	0.086	(0.238)	0.077	0.009
67	5.58	0.27	0.098	(0.237)	0.089	0.010
68	5.67	0.27	0.098	(0.236)	0.089	0.010
69	5.75	0.27	0.098	(0.235)	0.089	0.010
70	5.83	0.27	0.098	(0.234)	0.089	0.010
71	5.92	0.27	0.098	(0.233)	0.089	0.010
72	6.00	0.27	0.098	(0.232)	0.089	0.010
73	6.08	0.30	0.111	(0.231)	0.100	0.011
74	6.17	0.30	0.111	(0.230)	0.100	0.011
75	6.25	0.30	0.111	(0.229)	0.100	0.011
76	6.33	0.30	0.111	(0.228)	0.100	0.011
77	6.42	0.30	0.111	(0.227)	0.100	0.011
78	6.50	0.30	0.111	(0.226)	0.100	0.011
79	6.58	0.33	0.123	(0.225)	0.111	0.012
80	6.67	0.33	0.123	(0.224)	0.111	0.012
81	6.75	0.33	0.123	(0.223)	0.111	0.012
82	6.83	0.33	0.123	(0.222)	0.111	0.012
83	6.92	0.33	0.123	(0.221)	0.111	0.012
84	7.00	0.33	0.123	(0.220)	0.111	0.012
85	7.08	0.33	0.123	(0.219)	0.111	0.012
86	7.17	0.33	0.123	(0.218)	0.111	0.012
87	7.25	0.33	0.123	(0.217)	0.111	0.012
88	7.33	0.37	0.135	(0.216)	0.122	0.014
89	7.42	0.37	0.135	(0.215)	0.122	0.014
90	7.50	0.37	0.135	(0.214)	0.122	0.014
91	7.58	0.40	0.148	(0.213)	0.133	0.015
92	7.67	0.40	0.148	(0.212)	0.133	0.015
93	7.75	0.40	0.148	(0.211)	0.133	0.015
94	7.83	0.43	0.160	(0.210)	0.144	0.016

95	7.92	0.43	0.160	(0.209)	0.144	0.016
96	8.00	0.43	0.160	(0.208)	0.144	0.016
97	8.08	0.50	0.184	(0.207)	0.166	0.018
98	8.17	0.50	0.184	(0.206)	0.166	0.018
99	8.25	0.50	0.184	(0.205)	0.166	0.018
100	8.33	0.50	0.184	(0.204)	0.166	0.018
101	8.42	0.50	0.184	(0.203)	0.166	0.018
102	8.50	0.50	0.184	(0.202)	0.166	0.018
103	8.58	0.53	0.197	(0.201)	0.177	0.020
104	8.67	0.53	0.197	(0.200)	0.177	0.020
105	8.75	0.53	0.197	(0.199)	0.177	0.020
106	8.83	0.57	0.209	(0.198)	0.188	0.021
107	8.92	0.57	0.209	(0.197)	0.188	0.021
108	9.00	0.57	0.209	(0.196)	0.188	0.021
109	9.08	0.63	0.234	0.195 (0.210)		0.038
110	9.17	0.63	0.234	0.195 (0.210)		0.039
111	9.25	0.63	0.234	0.194 (0.210)		0.040
112	9.33	0.67	0.246	0.193 (0.221)		0.053
113	9.42	0.67	0.246	0.192 (0.221)		0.054
114	9.50	0.67	0.246	0.191 (0.221)		0.055
115	9.58	0.70	0.258	0.190 (0.232)		0.068
116	9.67	0.70	0.258	0.189 (0.232)		0.069
117	9.75	0.70	0.258	0.188 (0.232)		0.070
118	9.83	0.73	0.270	0.187 (0.243)		0.083
119	9.92	0.73	0.270	0.186 (0.243)		0.084
120	10.00	0.73	0.270	0.185 (0.243)		0.085
121	10.08	0.50	0.184	(0.185)	0.166	0.018
122	10.17	0.50	0.184	(0.184)	0.166	0.018
123	10.25	0.50	0.184	(0.183)	0.166	0.018
124	10.33	0.50	0.184	(0.182)	0.166	0.018
125	10.42	0.50	0.184	(0.181)	0.166	0.018
126	10.50	0.50	0.184	(0.180)	0.166	0.018
127	10.58	0.67	0.246	0.179 (0.221)		0.067
128	10.67	0.67	0.246	0.178 (0.221)		0.068
129	10.75	0.67	0.246	0.177 (0.221)		0.068
130	10.83	0.67	0.246	0.177 (0.221)		0.069
131	10.92	0.67	0.246	0.176 (0.221)		0.070
132	11.00	0.67	0.246	0.175 (0.221)		0.071
133	11.08	0.63	0.234	0.174 (0.210)		0.060
134	11.17	0.63	0.234	0.173 (0.210)		0.060
135	11.25	0.63	0.234	0.172 (0.210)		0.061
136	11.33	0.63	0.234	0.171 (0.210)		0.062
137	11.42	0.63	0.234	0.171 (0.210)		0.063
138	11.50	0.63	0.234	0.170 (0.210)		0.064
139	11.58	0.57	0.209	0.169 (0.188)		0.040
140	11.67	0.57	0.209	0.168 (0.188)		0.041
141	11.75	0.57	0.209	0.167 (0.188)		0.042
142	11.83	0.60	0.221	0.166 (0.199)		0.055
143	11.92	0.60	0.221	0.166 (0.199)		0.056
144	12.00	0.60	0.221	0.165 (0.199)		0.057

145	12.08	0.83	0.307	0.164	(0.277)	0.143
146	12.17	0.83	0.307	0.163	(0.277)	0.144
147	12.25	0.83	0.307	0.162	(0.277)	0.145
148	12.33	0.87	0.320	0.161	(0.288)	0.158
149	12.42	0.87	0.320	0.161	(0.288)	0.159
150	12.50	0.87	0.320	0.160	(0.288)	0.160
151	12.58	0.93	0.344	0.159	(0.310)	0.185
152	12.67	0.93	0.344	0.158	(0.310)	0.186
153	12.75	0.93	0.344	0.157	(0.310)	0.187
154	12.83	0.97	0.357	0.157	(0.321)	0.200
155	12.92	0.97	0.357	0.156	(0.321)	0.201
156	13.00	0.97	0.357	0.155	(0.321)	0.201
157	13.08	1.13	0.418	0.154	(0.376)	0.264
158	13.17	1.13	0.418	0.154	(0.376)	0.265
159	13.25	1.13	0.418	0.153	(0.376)	0.265
160	13.33	1.13	0.418	0.152	(0.376)	0.266
161	13.42	1.13	0.418	0.151	(0.376)	0.267
162	13.50	1.13	0.418	0.150	(0.376)	0.268
163	13.58	0.77	0.283	0.150	(0.255)	0.133
164	13.67	0.77	0.283	0.149	(0.255)	0.134
165	13.75	0.77	0.283	0.148	(0.255)	0.135
166	13.83	0.77	0.283	0.147	(0.255)	0.135
167	13.92	0.77	0.283	0.147	(0.255)	0.136
168	14.00	0.77	0.283	0.146	(0.255)	0.137
169	14.08	0.90	0.332	0.145	(0.299)	0.187
170	14.17	0.90	0.332	0.144	(0.299)	0.188
171	14.25	0.90	0.332	0.144	(0.299)	0.188
172	14.33	0.87	0.320	0.143	(0.288)	0.177
173	14.42	0.87	0.320	0.142	(0.288)	0.177
174	14.50	0.87	0.320	0.141	(0.288)	0.178
175	14.58	0.87	0.320	0.141	(0.288)	0.179
176	14.67	0.87	0.320	0.140	(0.288)	0.180
177	14.75	0.87	0.320	0.139	(0.288)	0.180
178	14.83	0.83	0.307	0.139	(0.277)	0.169
179	14.92	0.83	0.307	0.138	(0.277)	0.170
180	15.00	0.83	0.307	0.137	(0.277)	0.170
181	15.08	0.80	0.295	0.136	(0.266)	0.159
182	15.17	0.80	0.295	0.136	(0.266)	0.159
183	15.25	0.80	0.295	0.135	(0.266)	0.160
184	15.33	0.77	0.283	0.134	(0.255)	0.148
185	15.42	0.77	0.283	0.134	(0.255)	0.149
186	15.50	0.77	0.283	0.133	(0.255)	0.150
187	15.58	0.63	0.234	0.132	(0.210)	0.101
188	15.67	0.63	0.234	0.132	(0.210)	0.102
189	15.75	0.63	0.234	0.131	(0.210)	0.103
190	15.83	0.63	0.234	0.130	(0.210)	0.103
191	15.92	0.63	0.234	0.130	(0.210)	0.104
192	16.00	0.63	0.234	0.129	(0.210)	0.105
193	16.08	0.13	0.049	(0.128)	0.044	0.005
194	16.17	0.13	0.049	(0.128)	0.044	0.005

195	16.25	0.13	0.049	(0.127)	0.044	0.005
196	16.33	0.13	0.049	(0.126)	0.044	0.005
197	16.42	0.13	0.049	(0.126)	0.044	0.005
198	16.50	0.13	0.049	(0.125)	0.044	0.005
199	16.58	0.10	0.037	(0.124)	0.033	0.004
200	16.67	0.10	0.037	(0.124)	0.033	0.004
201	16.75	0.10	0.037	(0.123)	0.033	0.004
202	16.83	0.10	0.037	(0.123)	0.033	0.004
203	16.92	0.10	0.037	(0.122)	0.033	0.004
204	17.00	0.10	0.037	(0.121)	0.033	0.004
205	17.08	0.17	0.061	(0.121)	0.055	0.006
206	17.17	0.17	0.061	(0.120)	0.055	0.006
207	17.25	0.17	0.061	(0.119)	0.055	0.006
208	17.33	0.17	0.061	(0.119)	0.055	0.006
209	17.42	0.17	0.061	(0.118)	0.055	0.006
210	17.50	0.17	0.061	(0.118)	0.055	0.006
211	17.58	0.17	0.061	(0.117)	0.055	0.006
212	17.67	0.17	0.061	(0.117)	0.055	0.006
213	17.75	0.17	0.061	(0.116)	0.055	0.006
214	17.83	0.13	0.049	(0.115)	0.044	0.005
215	17.92	0.13	0.049	(0.115)	0.044	0.005
216	18.00	0.13	0.049	(0.114)	0.044	0.005
217	18.08	0.13	0.049	(0.114)	0.044	0.005
218	18.17	0.13	0.049	(0.113)	0.044	0.005
219	18.25	0.13	0.049	(0.113)	0.044	0.005
220	18.33	0.13	0.049	(0.112)	0.044	0.005
221	18.42	0.13	0.049	(0.111)	0.044	0.005
222	18.50	0.13	0.049	(0.111)	0.044	0.005
223	18.58	0.10	0.037	(0.110)	0.033	0.004
224	18.67	0.10	0.037	(0.110)	0.033	0.004
225	18.75	0.10	0.037	(0.109)	0.033	0.004
226	18.83	0.07	0.025	(0.109)	0.022	0.002
227	18.92	0.07	0.025	(0.108)	0.022	0.002
228	19.00	0.07	0.025	(0.108)	0.022	0.002
229	19.08	0.10	0.037	(0.107)	0.033	0.004
230	19.17	0.10	0.037	(0.107)	0.033	0.004
231	19.25	0.10	0.037	(0.106)	0.033	0.004
232	19.33	0.13	0.049	(0.106)	0.044	0.005
233	19.42	0.13	0.049	(0.105)	0.044	0.005
234	19.50	0.13	0.049	(0.105)	0.044	0.005
235	19.58	0.10	0.037	(0.104)	0.033	0.004
236	19.67	0.10	0.037	(0.104)	0.033	0.004
237	19.75	0.10	0.037	(0.103)	0.033	0.004
238	19.83	0.07	0.025	(0.103)	0.022	0.002
239	19.92	0.07	0.025	(0.102)	0.022	0.002
240	20.00	0.07	0.025	(0.102)	0.022	0.002
241	20.08	0.10	0.037	(0.102)	0.033	0.004
242	20.17	0.10	0.037	(0.101)	0.033	0.004
243	20.25	0.10	0.037	(0.101)	0.033	0.004
244	20.33	0.10	0.037	(0.100)	0.033	0.004

245	20.42	0.10	0.037	(0.100)	0.033	0.004
246	20.50	0.10	0.037	(0.099)	0.033	0.004
247	20.58	0.10	0.037	(0.099)	0.033	0.004
248	20.67	0.10	0.037	(0.099)	0.033	0.004
249	20.75	0.10	0.037	(0.098)	0.033	0.004
250	20.83	0.07	0.025	(0.098)	0.022	0.002
251	20.92	0.07	0.025	(0.097)	0.022	0.002
252	21.00	0.07	0.025	(0.097)	0.022	0.002
253	21.08	0.10	0.037	(0.097)	0.033	0.004
254	21.17	0.10	0.037	(0.096)	0.033	0.004
255	21.25	0.10	0.037	(0.096)	0.033	0.004
256	21.33	0.07	0.025	(0.095)	0.022	0.002
257	21.42	0.07	0.025	(0.095)	0.022	0.002
258	21.50	0.07	0.025	(0.095)	0.022	0.002
259	21.58	0.10	0.037	(0.094)	0.033	0.004
260	21.67	0.10	0.037	(0.094)	0.033	0.004
261	21.75	0.10	0.037	(0.094)	0.033	0.004
262	21.83	0.07	0.025	(0.093)	0.022	0.002
263	21.92	0.07	0.025	(0.093)	0.022	0.002
264	22.00	0.07	0.025	(0.093)	0.022	0.002
265	22.08	0.10	0.037	(0.092)	0.033	0.004
266	22.17	0.10	0.037	(0.092)	0.033	0.004
267	22.25	0.10	0.037	(0.092)	0.033	0.004
268	22.33	0.07	0.025	(0.092)	0.022	0.002
269	22.42	0.07	0.025	(0.091)	0.022	0.002
270	22.50	0.07	0.025	(0.091)	0.022	0.002
271	22.58	0.07	0.025	(0.091)	0.022	0.002
272	22.67	0.07	0.025	(0.090)	0.022	0.002
273	22.75	0.07	0.025	(0.090)	0.022	0.002
274	22.83	0.07	0.025	(0.090)	0.022	0.002
275	22.92	0.07	0.025	(0.090)	0.022	0.002
276	23.00	0.07	0.025	(0.090)	0.022	0.002
277	23.08	0.07	0.025	(0.089)	0.022	0.002
278	23.17	0.07	0.025	(0.089)	0.022	0.002
279	23.25	0.07	0.025	(0.089)	0.022	0.002
280	23.33	0.07	0.025	(0.089)	0.022	0.002
281	23.42	0.07	0.025	(0.089)	0.022	0.002
282	23.50	0.07	0.025	(0.088)	0.022	0.002
283	23.58	0.07	0.025	(0.088)	0.022	0.002
284	23.67	0.07	0.025	(0.088)	0.022	0.002
285	23.75	0.07	0.025	(0.088)	0.022	0.002
286	23.83	0.07	0.025	(0.088)	0.022	0.002
287	23.92	0.07	0.025	(0.088)	0.022	0.002
288	24.00	0.07	0.025	(0.088)	0.022	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 11.4

Flood volume = Effective rainfall 0.95(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 2.12(In)

Total soil loss = 0.431(Ac.Ft)

Total rainfall = 3.07(In)
 Flood volume = 8433.8 Cubic Feet
 Total soil loss = 18790.6 Cubic Feet

 Peak flow rate of this hydrograph = 0.657(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.01	Q				
0+20	0.0001	0.01	Q				
0+25	0.0002	0.01	Q				
0+30	0.0003	0.01	Q				
0+35	0.0003	0.01	Q				
0+40	0.0004	0.01	Q				
0+45	0.0004	0.01	Q				
0+50	0.0005	0.01	Q				
0+55	0.0006	0.01	Q				
1+ 0	0.0007	0.01	Q				
1+ 5	0.0007	0.01	Q				
1+10	0.0008	0.01	Q				
1+15	0.0009	0.01	Q				
1+20	0.0009	0.01	Q				
1+25	0.0010	0.01	Q				
1+30	0.0011	0.01	Q				
1+35	0.0011	0.01	Q				
1+40	0.0012	0.01	Q				
1+45	0.0013	0.01	Q				
1+50	0.0013	0.01	Q				
1+55	0.0014	0.01	Q				
2+ 0	0.0015	0.01	Q				
2+ 5	0.0016	0.01	Q				
2+10	0.0017	0.01	Q				
2+15	0.0017	0.01	Q				
2+20	0.0018	0.01	Q				
2+25	0.0019	0.01	Q				
2+30	0.0020	0.01	Q				
2+35	0.0021	0.01	Q				
2+40	0.0022	0.01	Q				
2+45	0.0023	0.01	Q				
2+50	0.0024	0.02	Q				
2+55	0.0025	0.02	Q				

3+ 0	0.0026	0.02	Q
3+ 5	0.0027	0.02	Q
3+10	0.0028	0.02	Q
3+15	0.0029	0.02	Q
3+20	0.0030	0.02	Q
3+25	0.0031	0.02	Q
3+30	0.0032	0.02	Q
3+35	0.0033	0.02	Q
3+40	0.0034	0.02	Q
3+45	0.0035	0.02	Q
3+50	0.0036	0.02	Q
3+55	0.0038	0.02	Q
4+ 0	0.0039	0.02	Q
4+ 5	0.0040	0.02	Q
4+10	0.0041	0.02	Q
4+15	0.0043	0.02	Q
4+20	0.0044	0.02	Q
4+25	0.0045	0.02	Q
4+30	0.0047	0.02	Q
4+35	0.0048	0.02	Q
4+40	0.0050	0.02	QV
4+45	0.0051	0.02	QV
4+50	0.0053	0.02	QV
4+55	0.0054	0.02	QV
5+ 0	0.0056	0.02	QV
5+ 5	0.0057	0.02	QV
5+10	0.0059	0.02	QV
5+15	0.0060	0.02	QV
5+20	0.0061	0.02	QV
5+25	0.0063	0.02	QV
5+30	0.0064	0.02	QV
5+35	0.0066	0.02	QV
5+40	0.0067	0.02	QV
5+45	0.0069	0.02	QV
5+50	0.0071	0.02	QV
5+55	0.0072	0.02	QV
6+ 0	0.0074	0.02	QV
6+ 5	0.0076	0.03	QV
6+10	0.0078	0.03	QV
6+15	0.0080	0.03	QV
6+20	0.0081	0.03	QV
6+25	0.0083	0.03	QV
6+30	0.0085	0.03	QV
6+35	0.0087	0.03	QV
6+40	0.0089	0.03	QV
6+45	0.0091	0.03	QV
6+50	0.0093	0.03	QV
6+55	0.0095	0.03	QV
7+ 0	0.0097	0.03	Q V
7+ 5	0.0100	0.03	Q V

7+10	0.0102	0.03	Q	V				
7+15	0.0104	0.03	Q	V				
7+20	0.0106	0.03	Q	V				
7+25	0.0108	0.03	Q	V				
7+30	0.0110	0.03	Q	V				
7+35	0.0113	0.03	Q	V				
7+40	0.0115	0.04	Q	V				
7+45	0.0118	0.04	Q	V				
7+50	0.0120	0.04	Q	V				
7+55	0.0123	0.04	Q	V				
8+ 0	0.0126	0.04	Q	V				
8+ 5	0.0128	0.04	Q	V				
8+10	0.0132	0.04	Q	V				
8+15	0.0135	0.04	Q	V				
8+20	0.0138	0.05	Q	V				
8+25	0.0141	0.05	Q	V				
8+30	0.0144	0.05	Q	V				
8+35	0.0147	0.05	Q	V				
8+40	0.0150	0.05	Q	V				
8+45	0.0154	0.05	Q	V				
8+50	0.0157	0.05	Q	V				
8+55	0.0161	0.05	Q	V				
9+ 0	0.0164	0.05	Q	V				
9+ 5	0.0169	0.07	Q	V				
9+10	0.0175	0.09	Q	V				
9+15	0.0181	0.09	Q	V				
9+20	0.0189	0.11	Q	V				
9+25	0.0197	0.13	Q	V				
9+30	0.0206	0.13	Q	V				
9+35	0.0216	0.15	Q	V				
9+40	0.0228	0.16	Q	V				
9+45	0.0239	0.17	Q	V				
9+50	0.0252	0.18	Q	V				
9+55	0.0266	0.20	Q	V				
10+ 0	0.0280	0.20	Q	V				
10+ 5	0.0290	0.15	Q	V				
10+10	0.0295	0.07	Q	V				
10+15	0.0299	0.06	Q	V				
10+20	0.0302	0.05	Q	V				
10+25	0.0306	0.05	Q	V				
10+30	0.0309	0.05	Q	V				
10+35	0.0315	0.09	Q	V				
10+40	0.0325	0.14	Q	V				
10+45	0.0335	0.16	Q	V				
10+50	0.0347	0.17	Q	V				
10+55	0.0359	0.17	Q	V				
11+ 0	0.0371	0.17	Q	V				
11+ 5	0.0382	0.16	Q	V				
11+10	0.0392	0.15	Q	V				
11+15	0.0403	0.15	Q	V				

11+20	0.0413	0.15	Q	V				
11+25	0.0424	0.15	Q	V				
11+30	0.0434	0.16	Q	V				
11+35	0.0444	0.14	Q	V				
11+40	0.0451	0.11	Q	V				
11+45	0.0459	0.11	Q	V				
11+50	0.0466	0.12	Q	V				
11+55	0.0475	0.13	Q	V				
12+ 0	0.0485	0.14	Q	V				
12+ 5	0.0500	0.21	Q	V				
12+10	0.0521	0.32	Q	V				
12+15	0.0545	0.34	Q	V				
12+20	0.0570	0.36	Q	V				
12+25	0.0596	0.38	Q	V				
12+30	0.0623	0.39	Q	V				
12+35	0.0651	0.41	Q	V				
12+40	0.0682	0.45	Q	V				
12+45	0.0713	0.45	Q	V				
12+50	0.0746	0.47	Q	V				
12+55	0.0779	0.49	Q	V				
13+ 0	0.0813	0.49	Q	V				
13+ 5	0.0851	0.55	Q	V				
13+10	0.0894	0.62	Q	V				
13+15	0.0938	0.64	Q	V				
13+20	0.0982	0.65	Q	V				
13+25	0.1027	0.65	Q	V				
13+30	0.1073	0.66	Q	V				
13+35	0.1110	0.54	Q	V				
13+40	0.1136	0.39	Q	V				
13+45	0.1161	0.35	Q	V				
13+50	0.1184	0.34	Q	V				
13+55	0.1207	0.33	Q	V				
14+ 0	0.1230	0.34	Q	V				
14+ 5	0.1257	0.38	Q	V				
14+10	0.1287	0.44	Q	V				
14+15	0.1318	0.45	Q	V				
14+20	0.1349	0.45	Q	V				
14+25	0.1379	0.44	Q	V				
14+30	0.1409	0.44	Q	V				
14+35	0.1440	0.44	Q	V				
14+40	0.1470	0.44	Q	V				
14+45	0.1500	0.44	Q	V				
14+50	0.1530	0.43	Q	V				
14+55	0.1559	0.42	Q	V				
15+ 0	0.1588	0.42	Q	V				
15+ 5	0.1616	0.41	Q	V				
15+10	0.1644	0.40	Q	V				
15+15	0.1671	0.39	Q	V				
15+20	0.1697	0.38	Q	V				
15+25	0.1723	0.37	Q	V				

15+30	0.1748	0.37	Q				V
15+35	0.1771	0.33	Q				V
15+40	0.1789	0.27	Q				V
15+45	0.1807	0.26	Q				V
15+50	0.1825	0.26	Q				V
15+55	0.1842	0.25	Q				V
16+ 0	0.1860	0.26	Q				V
16+ 5	0.1871	0.17	Q				V
16+10	0.1875	0.06	Q				V
16+15	0.1877	0.03	Q				V
16+20	0.1879	0.02	Q				V
16+25	0.1880	0.01	Q				V
16+30	0.1880	0.01	Q				V
16+35	0.1881	0.01	Q				V
16+40	0.1882	0.01	Q				V
16+45	0.1882	0.01	Q				V
16+50	0.1883	0.01	Q				V
16+55	0.1884	0.01	Q				V
17+ 0	0.1884	0.01	Q				V
17+ 5	0.1885	0.01	Q				V
17+10	0.1886	0.01	Q				V
17+15	0.1887	0.01	Q				V
17+20	0.1888	0.01	Q				V
17+25	0.1889	0.02	Q				V
17+30	0.1890	0.02	Q				V
17+35	0.1891	0.02	Q				V
17+40	0.1892	0.02	Q				V
17+45	0.1893	0.02	Q				V
17+50	0.1894	0.01	Q				V
17+55	0.1895	0.01	Q				V
18+ 0	0.1896	0.01	Q				V
18+ 5	0.1897	0.01	Q				V
18+10	0.1898	0.01	Q				V
18+15	0.1898	0.01	Q				V
18+20	0.1899	0.01	Q				V
18+25	0.1900	0.01	Q				V
18+30	0.1901	0.01	Q				V
18+35	0.1902	0.01	Q				V
18+40	0.1902	0.01	Q				V
18+45	0.1903	0.01	Q				V
18+50	0.1904	0.01	Q				V
18+55	0.1904	0.01	Q				V
19+ 0	0.1904	0.01	Q				V
19+ 5	0.1905	0.01	Q				V
19+10	0.1906	0.01	Q				V
19+15	0.1906	0.01	Q				V
19+20	0.1907	0.01	Q				V
19+25	0.1908	0.01	Q				V
19+30	0.1908	0.01	Q				V
19+35	0.1909	0.01	Q				V

19+40	0.1910	0.01	Q				V
19+45	0.1911	0.01	Q				V
19+50	0.1911	0.01	Q				V
19+55	0.1912	0.01	Q				V
20+ 0	0.1912	0.01	Q				V
20+ 5	0.1912	0.01	Q				V
20+10	0.1913	0.01	Q				V
20+15	0.1914	0.01	Q				V
20+20	0.1914	0.01	Q				V
20+25	0.1915	0.01	Q				V
20+30	0.1916	0.01	Q				V
20+35	0.1916	0.01	Q				V
20+40	0.1917	0.01	Q				V
20+45	0.1917	0.01	Q				V
20+50	0.1918	0.01	Q				V
20+55	0.1918	0.01	Q				V
21+ 0	0.1919	0.01	Q				V
21+ 5	0.1919	0.01	Q				V
21+10	0.1920	0.01	Q				V
21+15	0.1921	0.01	Q				V
21+20	0.1921	0.01	Q				V
21+25	0.1922	0.01	Q				V
21+30	0.1922	0.01	Q				V
21+35	0.1922	0.01	Q				V
21+40	0.1923	0.01	Q				V
21+45	0.1924	0.01	Q				V
21+50	0.1924	0.01	Q				V
21+55	0.1925	0.01	Q				V
22+ 0	0.1925	0.01	Q				V
22+ 5	0.1926	0.01	Q				V
22+10	0.1926	0.01	Q				V
22+15	0.1927	0.01	Q				V
22+20	0.1927	0.01	Q				V
22+25	0.1928	0.01	Q				V
22+30	0.1928	0.01	Q				V
22+35	0.1929	0.01	Q				V
22+40	0.1929	0.01	Q				V
22+45	0.1929	0.01	Q				V
22+50	0.1930	0.01	Q				V
22+55	0.1930	0.01	Q				V
23+ 0	0.1931	0.01	Q				V
23+ 5	0.1931	0.01	Q				V
23+10	0.1932	0.01	Q				V
23+15	0.1932	0.01	Q				V
23+20	0.1932	0.01	Q				V
23+25	0.1933	0.01	Q				V
23+30	0.1933	0.01	Q				V
23+35	0.1934	0.01	Q				V
23+40	0.1934	0.01	Q				V
23+45	0.1934	0.01	Q				V

23+50	0.1935	0.01	Q				V
23+55	0.1935	0.01	Q				V
24+ 0	0.1936	0.01	Q				V
24+ 5	0.1936	0.00	Q				V
24+10	0.1936	0.00	Q				V
24+15	0.1936	0.00	Q				V
24+20	0.1936	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda4610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.176)	0.095	0.011
2	0.17	0.60	0.126	(0.176)	0.114	0.013
3	0.25	0.60	0.126	(0.176)	0.114	0.013
4	0.33	0.60	0.126	(0.176)	0.114	0.013
5	0.42	0.60	0.126	(0.176)	0.114	0.013
6	0.50	0.70	0.147	(0.176)	0.133	0.015
7	0.58	0.70	0.147	(0.176)	0.133	0.015
8	0.67	0.70	0.147	(0.176)	0.133	0.015
9	0.75	0.70	0.147	(0.176)	0.133	0.015
10	0.83	0.70	0.147	(0.176)	0.133	0.015
11	0.92	0.70	0.147	(0.176)	0.133	0.015
12	1.00	0.80	0.169	(0.176)	0.152	0.017
13	1.08	0.80	0.169	(0.176)	0.152	0.017
14	1.17	0.80	0.169	(0.176)	0.152	0.017
15	1.25	0.80	0.169	(0.176)	0.152	0.017
16	1.33	0.80	0.169	(0.176)	0.152	0.017
17	1.42	0.80	0.169	(0.176)	0.152	0.017
18	1.50	0.80	0.169	(0.176)	0.152	0.017
19	1.58	0.80	0.169	(0.176)	0.152	0.017
20	1.67	0.80	0.169	(0.176)	0.152	0.017
21	1.75	0.80	0.169	(0.176)	0.152	0.017
22	1.83	0.80	0.169	(0.176)	0.152	0.017
23	1.92	0.80	0.169	(0.176)	0.152	0.017
24	2.00	0.90	0.190	(0.176)	0.171	0.019
25	2.08	0.80	0.169	(0.176)	0.152	0.017
26	2.17	0.90	0.190	(0.176)	0.171	0.019
27	2.25	0.90	0.190	(0.176)	0.171	0.019
28	2.33	0.90	0.190	(0.176)	0.171	0.019
29	2.42	0.90	0.190	(0.176)	0.171	0.019
30	2.50	0.90	0.190	(0.176)	0.171	0.019
31	2.58	0.90	0.190	(0.176)	0.171	0.019
32	2.67	0.90	0.190	(0.176)	0.171	0.019
33	2.75	1.00	0.211	0.176	(0.190)	0.035
34	2.83	1.00	0.211	0.176	(0.190)	0.035
35	2.92	1.00	0.211	0.176	(0.190)	0.035
36	3.00	1.00	0.211	0.176	(0.190)	0.035
37	3.08	1.00	0.211	0.176	(0.190)	0.035
38	3.17	1.10	0.232	0.176	(0.209)	0.056
39	3.25	1.10	0.232	0.176	(0.209)	0.056
40	3.33	1.10	0.232	0.176	(0.209)	0.056
41	3.42	1.20	0.253	0.176	(0.227)	0.077
42	3.50	1.30	0.274	0.176	(0.246)	0.098
43	3.58	1.40	0.295	0.176	(0.265)	0.119
44	3.67	1.40	0.295	0.176	(0.265)	0.119

45	3.75	1.50	0.316	0.176	(0.284)	0.140
46	3.83	1.50	0.316	0.176	(0.284)	0.140
47	3.92	1.60	0.337	0.176	(0.303)	0.161
48	4.00	1.60	0.337	0.176	(0.303)	0.161
49	4.08	1.70	0.358	0.176	(0.322)	0.182
50	4.17	1.80	0.379	0.176	(0.341)	0.204
51	4.25	1.90	0.400	0.176	(0.360)	0.225
52	4.33	2.00	0.421	0.176	(0.379)	0.246
53	4.42	2.10	0.442	0.176	(0.398)	0.267
54	4.50	2.10	0.442	0.176	(0.398)	0.267
55	4.58	2.20	0.463	0.176	(0.417)	0.288
56	4.67	2.30	0.484	0.176	(0.436)	0.309
57	4.75	2.40	0.506	0.176	(0.455)	0.330
58	4.83	2.40	0.506	0.176	(0.455)	0.330
59	4.92	2.50	0.527	0.176	(0.474)	0.351
60	5.00	2.60	0.548	0.176	(0.493)	0.372
61	5.08	3.10	0.653	0.176	(0.588)	0.477
62	5.17	3.60	0.758	0.176	(0.682)	0.583
63	5.25	3.90	0.821	0.176	(0.739)	0.646
64	5.33	4.20	0.885	0.176	(0.796)	0.709
65	5.42	4.70	0.990	0.176	(0.891)	0.814
66	5.50	5.60	1.180	0.176	(1.062)	1.004
67	5.58	1.90	0.400	0.176	(0.360)	0.225
68	5.67	0.90	0.190	(0.176)	0.171	0.019
69	5.75	0.60	0.126	(0.176)	0.114	0.013
70	5.83	0.50	0.105	(0.176)	0.095	0.011
71	5.92	0.30	0.063	(0.176)	0.057	0.006
72	6.00	0.20	0.042	(0.176)	0.038	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.8

Flood volume = Effective rainfall 0.81(In)
times area 2.4(Ac.)/[(In)/(Ft.)) = 0.2(Ac.Ft)
Total soil loss = 0.94(In)
Total soil loss = 0.192(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 7204.9 Cubic Feet
Total soil loss = 8342.3 Cubic Feet

Peak flow rate of this hydrograph = 2.110(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				

0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.03	Q				
0+25	0.0008	0.03	Q				
0+30	0.0011	0.03	Q				
0+35	0.0013	0.04	Q				
0+40	0.0016	0.04	Q				
0+45	0.0018	0.04	Q				
0+50	0.0021	0.04	Q				
0+55	0.0023	0.04	Q				
1+ 0	0.0026	0.04	Q				
1+ 5	0.0028	0.04	Q				
1+10	0.0031	0.04	Q				
1+15	0.0034	0.04	Q				
1+20	0.0037	0.04	Q				
1+25	0.0040	0.04	Q				
1+30	0.0043	0.04	QV				
1+35	0.0046	0.04	QV				
1+40	0.0048	0.04	QV				
1+45	0.0051	0.04	QV				
1+50	0.0054	0.04	QV				
1+55	0.0057	0.04	QV				
2+ 0	0.0060	0.04	QV				
2+ 5	0.0063	0.04	QV				
2+10	0.0066	0.04	QV				
2+15	0.0069	0.05	QV				
2+20	0.0072	0.05	QV				
2+25	0.0076	0.05	QV				
2+30	0.0079	0.05	QV				
2+35	0.0082	0.05	QV				
2+40	0.0085	0.05	Q V				
2+45	0.0089	0.06	Q V				
2+50	0.0095	0.08	Q V				
2+55	0.0101	0.08	Q V				
3+ 0	0.0106	0.09	Q V				
3+ 5	0.0112	0.09	Q V				
3+10	0.0120	0.10	Q V				
3+15	0.0128	0.13	Q V				
3+20	0.0138	0.13	Q V				
3+25	0.0148	0.16	Q V				
3+30	0.0162	0.20	Q V				
3+35	0.0179	0.25	Q V				
3+40	0.0198	0.28	Q V				
3+45	0.0220	0.31	Q V				
3+50	0.0243	0.33	Q V				
3+55	0.0267	0.36	Q V				
4+ 0	0.0294	0.39	Q V				
4+ 5	0.0322	0.41	Q V				
4+10	0.0354	0.46	Q V				
4+15	0.0389	0.51	Q V				

4+20	0.0427	0.56	Q	V				
4+25	0.0469	0.61	Q	V				
4+30	0.0513	0.64	Q	V				
4+35	0.0559	0.67	Q	V				
4+40	0.0609	0.72	Q	V				
4+45	0.0661	0.77	Q	V				
4+50	0.0716	0.80	Q	V				
4+55	0.0773	0.83	Q	V				
5+ 0	0.0833	0.87	Q	V				
5+ 5	0.0902	1.00	Q	V				
5+10	0.0985	1.22	Q	V				
5+15	0.1083	1.42	Q	V				
5+20	0.1193	1.59	Q	V				
5+25	0.1316	1.79	Q	V				
5+30	0.1462	2.11	Q	V				
5+35	0.1577	1.67	Q	V				
5+40	0.1623	0.67	Q	V				
5+45	0.1641	0.26	Q	V				
5+50	0.1649	0.12	Q	V				
5+55	0.1652	0.04	Q	V				
6+ 0	0.1653	0.02	Q	V				
6+ 5	0.1654	0.01	Q	V				
6+10	0.1654	0.00	Q	V				
6+15	0.1654	0.00	Q	V				
6+20	0.1654	0.00	Q	V				

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda4310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum=
			2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	0.176	(0.181)	0.025
2	0.17	1.30	0.201	0.176	(0.181)	0.025
3	0.25	1.10	0.170	(0.176)	0.153	0.017
4	0.33	1.50	0.232	0.176	(0.209)	0.056
5	0.42	1.50	0.232	0.176	(0.209)	0.056
6	0.50	1.80	0.278	0.176	(0.250)	0.102
7	0.58	1.50	0.232	0.176	(0.209)	0.056
8	0.67	1.80	0.278	0.176	(0.250)	0.102
9	0.75	1.80	0.278	0.176	(0.250)	0.102
10	0.83	1.50	0.232	0.176	(0.209)	0.056
11	0.92	1.60	0.247	0.176	(0.222)	0.072
12	1.00	1.80	0.278	0.176	(0.250)	0.102
13	1.08	2.20	0.340	0.176	(0.306)	0.164
14	1.17	2.20	0.340	0.176	(0.306)	0.164
15	1.25	2.20	0.340	0.176	(0.306)	0.164
16	1.33	2.00	0.309	0.176	(0.278)	0.133
17	1.42	2.60	0.402	0.176	(0.361)	0.226
18	1.50	2.70	0.417	0.176	(0.375)	0.241
19	1.58	2.40	0.371	0.176	(0.334)	0.195
20	1.67	2.70	0.417	0.176	(0.375)	0.241
21	1.75	3.30	0.510	0.176	(0.459)	0.334
22	1.83	3.10	0.479	0.176	(0.431)	0.303
23	1.92	2.90	0.448	0.176	(0.403)	0.272
24	2.00	3.00	0.463	0.176	(0.417)	0.288
25	2.08	3.10	0.479	0.176	(0.431)	0.303
26	2.17	4.20	0.649	0.176	(0.584)	0.473
27	2.25	5.00	0.772	0.176	(0.695)	0.597
28	2.33	3.50	0.541	0.176	(0.487)	0.365
29	2.42	6.80	1.050	0.176	(0.945)	0.875
30	2.50	7.30	1.128	0.176	(1.015)	0.952
31	2.58	8.20	1.267	0.176	(1.140)	1.091
32	2.67	5.90	0.911	0.176	(0.820)	0.736
33	2.75	2.00	0.309	0.176	(0.278)	0.133
34	2.83	1.80	0.278	0.176	(0.250)	0.102
35	2.92	1.80	0.278	0.176	(0.250)	0.102
36	3.00	0.60	0.093	(0.176)	0.083	0.009

(Loss Rate Not Used)

Sum = 100.0

Sum = 9.2

Flood volume = Effective rainfall 0.77(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.52(In)

Total soil loss = 0.105(Ac.Ft)

Total rainfall = 1.29(In)

Flood volume = 6820.0 Cubic Feet

Total soil loss = 4581.2 Cubic Feet

Peak flow rate of this hydrograph = 2.356(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.02	Q				
0+10	0.0005	0.05	Q				
0+15	0.0009	0.05	Q				
0+20	0.0014	0.08	Q				
0+25	0.0022	0.12	Q				
0+30	0.0034	0.17	Q				
0+35	0.0047	0.19	QV				
0+40	0.0060	0.19	QV				
0+45	0.0077	0.24	QV				
0+50	0.0091	0.21	Q V				
0+55	0.0102	0.17	Q V				
1+ 0	0.0117	0.21	Q V				
1+ 5	0.0137	0.29	Q V				
1+10	0.0162	0.37	Q V				
1+15	0.0189	0.39	Q V				
1+20	0.0215	0.37	Q V				
1+25	0.0244	0.42	Q V				
1+30	0.0281	0.53	Q V				
1+35	0.0317	0.53	Q V				
1+40	0.0354	0.53	Q V				
1+45	0.0400	0.66	Q V				
1+50	0.0451	0.75	Q V				
1+55	0.0500	0.71	Q V				
2+ 0	0.0548	0.70	Q V				
2+ 5	0.0598	0.72	Q V				
2+10	0.0659	0.89	Q V				
2+15	0.0742	1.20	Q V				
2+20	0.0823	1.18	Q V				
2+25	0.0920	1.42	Q V				
2+30	0.1060	2.03	Q V				
2+35	0.1223	2.36	Q V				
2+40	0.1378	2.26	Q V				
2+45	0.1475	1.40	Q V				
2+50	0.1517	0.62	Q V				
2+55	0.1545	0.40	Q V				
3+ 0	0.1560	0.22	Q V				
3+ 5	0.1564	0.06	Q V				

3+10	0.1565	0.02	Q				V
3+15	0.1566	0.01	Q				V
3+20	0.1566	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda4110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
Sum (F) =						0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
		Sum = 100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In./Hr)	Loss rate(In./Hr)		Effective (In./Hr)
				Max	Low	
1	0.08	4.20	0.396	0.176	(0.356)	0.220
2	0.17	4.30	0.405	0.176	(0.365)	0.230
3	0.25	5.00	0.471	0.176	(0.424)	0.296
4	0.33	5.00	0.471	0.176	(0.424)	0.296
5	0.42	5.80	0.547	0.176	(0.492)	0.371
6	0.50	6.50	0.613	0.176	(0.551)	0.437
7	0.58	7.40	0.698	0.176	(0.628)	0.522
8	0.67	8.60	0.811	0.176	(0.730)	0.635
9	0.75	12.30	1.160	0.176	(1.044)	0.984
10	0.83	29.10	2.743	0.176	(2.469)	2.568
11	0.92	6.80	0.641	0.176	(0.577)	0.465
12	1.00	5.00	0.471	0.176	(0.424)	0.296

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.3

$$\text{Flood volume} = \text{Effective rainfall} \times 0.61(\text{In})$$

times area $2.4(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad \quad \quad 0.1(\text{Ac.Ft})$

Total soil loss = 0.18(In)

Total soil loss = 0.036(Ac.Ft)

Total rainfall = 0.79(In)

Flood volume = 5402.8 Cubic Feet

Total soil loss = 1555.3 Cubic Feet

Peak flow rate of this hydrograph = 3.685(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0013	0.20	Q					
0+10	0.0045	0.45	Q					
0+15	0.0085	0.58	Q					
0+20	0.0132	0.68	Q V					
0+25	0.0185	0.78	Q V					
0+30	0.0250	0.93	Q	V				
0+35	0.0326	1.11	Q		V			
0+40	0.0418	1.33		Q		V		
0+45	0.0542	1.80			Q		V	

0+50	0.0793	3.65				Q		V			
0+55	0.1047	3.68				Q				V	
1+ 0	0.1158	1.61			Q						V
1+ 5	0.1213	0.81		Q							V
1+10	0.1234	0.31		Q							V
1+15	0.1239	0.07		Q							V
1+20	0.1240	0.02		Q							V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda4245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.608)	0.019	0.002
2	0.17	0.07	0.021	(0.606)	0.019	0.002
3	0.25	0.07	0.021	(0.604)	0.019	0.002
4	0.33	0.10	0.031	(0.601)	0.028	0.003
5	0.42	0.10	0.031	(0.599)	0.028	0.003
6	0.50	0.10	0.031	(0.597)	0.028	0.003
7	0.58	0.10	0.031	(0.594)	0.028	0.003
8	0.67	0.10	0.031	(0.592)	0.028	0.003
9	0.75	0.10	0.031	(0.590)	0.028	0.003
10	0.83	0.13	0.041	(0.587)	0.037	0.004
11	0.92	0.13	0.041	(0.585)	0.037	0.004
12	1.00	0.13	0.041	(0.583)	0.037	0.004
13	1.08	0.10	0.031	(0.580)	0.028	0.003
14	1.17	0.10	0.031	(0.578)	0.028	0.003
15	1.25	0.10	0.031	(0.576)	0.028	0.003
16	1.33	0.10	0.031	(0.573)	0.028	0.003
17	1.42	0.10	0.031	(0.571)	0.028	0.003
18	1.50	0.10	0.031	(0.569)	0.028	0.003
19	1.58	0.10	0.031	(0.567)	0.028	0.003
20	1.67	0.10	0.031	(0.564)	0.028	0.003
21	1.75	0.10	0.031	(0.562)	0.028	0.003
22	1.83	0.13	0.041	(0.560)	0.037	0.004
23	1.92	0.13	0.041	(0.558)	0.037	0.004
24	2.00	0.13	0.041	(0.555)	0.037	0.004
25	2.08	0.13	0.041	(0.553)	0.037	0.004
26	2.17	0.13	0.041	(0.551)	0.037	0.004
27	2.25	0.13	0.041	(0.549)	0.037	0.004
28	2.33	0.13	0.041	(0.546)	0.037	0.004
29	2.42	0.13	0.041	(0.544)	0.037	0.004
30	2.50	0.13	0.041	(0.542)	0.037	0.004
31	2.58	0.17	0.052	(0.540)	0.046	0.005
32	2.67	0.17	0.052	(0.537)	0.046	0.005
33	2.75	0.17	0.052	(0.535)	0.046	0.005
34	2.83	0.17	0.052	(0.533)	0.046	0.005
35	2.92	0.17	0.052	(0.531)	0.046	0.005
36	3.00	0.17	0.052	(0.529)	0.046	0.005
37	3.08	0.17	0.052	(0.526)	0.046	0.005
38	3.17	0.17	0.052	(0.524)	0.046	0.005
39	3.25	0.17	0.052	(0.522)	0.046	0.005
40	3.33	0.17	0.052	(0.520)	0.046	0.005
41	3.42	0.17	0.052	(0.518)	0.046	0.005
42	3.50	0.17	0.052	(0.516)	0.046	0.005
43	3.58	0.17	0.052	(0.513)	0.046	0.005
44	3.67	0.17	0.052	(0.511)	0.046	0.005

45	3.75	0.17	0.052	(0.509)	0.046	0.005
46	3.83	0.20	0.062	(0.507)	0.056	0.006
47	3.92	0.20	0.062	(0.505)	0.056	0.006
48	4.00	0.20	0.062	(0.503)	0.056	0.006
49	4.08	0.20	0.062	(0.501)	0.056	0.006
50	4.17	0.20	0.062	(0.498)	0.056	0.006
51	4.25	0.20	0.062	(0.496)	0.056	0.006
52	4.33	0.23	0.072	(0.494)	0.065	0.007
53	4.42	0.23	0.072	(0.492)	0.065	0.007
54	4.50	0.23	0.072	(0.490)	0.065	0.007
55	4.58	0.23	0.072	(0.488)	0.065	0.007
56	4.67	0.23	0.072	(0.486)	0.065	0.007
57	4.75	0.23	0.072	(0.484)	0.065	0.007
58	4.83	0.27	0.083	(0.482)	0.074	0.008
59	4.92	0.27	0.083	(0.480)	0.074	0.008
60	5.00	0.27	0.083	(0.477)	0.074	0.008
61	5.08	0.20	0.062	(0.475)	0.056	0.006
62	5.17	0.20	0.062	(0.473)	0.056	0.006
63	5.25	0.20	0.062	(0.471)	0.056	0.006
64	5.33	0.23	0.072	(0.469)	0.065	0.007
65	5.42	0.23	0.072	(0.467)	0.065	0.007
66	5.50	0.23	0.072	(0.465)	0.065	0.007
67	5.58	0.27	0.083	(0.463)	0.074	0.008
68	5.67	0.27	0.083	(0.461)	0.074	0.008
69	5.75	0.27	0.083	(0.459)	0.074	0.008
70	5.83	0.27	0.083	(0.457)	0.074	0.008
71	5.92	0.27	0.083	(0.455)	0.074	0.008
72	6.00	0.27	0.083	(0.453)	0.074	0.008
73	6.08	0.30	0.093	(0.451)	0.084	0.009
74	6.17	0.30	0.093	(0.449)	0.084	0.009
75	6.25	0.30	0.093	(0.447)	0.084	0.009
76	6.33	0.30	0.093	(0.445)	0.084	0.009
77	6.42	0.30	0.093	(0.443)	0.084	0.009
78	6.50	0.30	0.093	(0.441)	0.084	0.009
79	6.58	0.33	0.103	(0.439)	0.093	0.010
80	6.67	0.33	0.103	(0.437)	0.093	0.010
81	6.75	0.33	0.103	(0.435)	0.093	0.010
82	6.83	0.33	0.103	(0.433)	0.093	0.010
83	6.92	0.33	0.103	(0.431)	0.093	0.010
84	7.00	0.33	0.103	(0.429)	0.093	0.010
85	7.08	0.33	0.103	(0.427)	0.093	0.010
86	7.17	0.33	0.103	(0.425)	0.093	0.010
87	7.25	0.33	0.103	(0.423)	0.093	0.010
88	7.33	0.37	0.114	(0.421)	0.102	0.011
89	7.42	0.37	0.114	(0.419)	0.102	0.011
90	7.50	0.37	0.114	(0.417)	0.102	0.011
91	7.58	0.40	0.124	(0.416)	0.112	0.012
92	7.67	0.40	0.124	(0.414)	0.112	0.012
93	7.75	0.40	0.124	(0.412)	0.112	0.012
94	7.83	0.43	0.134	(0.410)	0.121	0.013

95	7.92	0.43	0.134	(0.408)	0.121	0.013
96	8.00	0.43	0.134	(0.406)	0.121	0.013
97	8.08	0.50	0.155	(0.404)	0.139	0.015
98	8.17	0.50	0.155	(0.402)	0.139	0.015
99	8.25	0.50	0.155	(0.400)	0.139	0.015
100	8.33	0.50	0.155	(0.399)	0.139	0.015
101	8.42	0.50	0.155	(0.397)	0.139	0.015
102	8.50	0.50	0.155	(0.395)	0.139	0.015
103	8.58	0.53	0.165	(0.393)	0.149	0.017
104	8.67	0.53	0.165	(0.391)	0.149	0.017
105	8.75	0.53	0.165	(0.389)	0.149	0.017
106	8.83	0.57	0.176	(0.387)	0.158	0.018
107	8.92	0.57	0.176	(0.386)	0.158	0.018
108	9.00	0.57	0.176	(0.384)	0.158	0.018
109	9.08	0.63	0.196	(0.382)	0.177	0.020
110	9.17	0.63	0.196	(0.380)	0.177	0.020
111	9.25	0.63	0.196	(0.378)	0.177	0.020
112	9.33	0.67	0.206	(0.377)	0.186	0.021
113	9.42	0.67	0.206	(0.375)	0.186	0.021
114	9.50	0.67	0.206	(0.373)	0.186	0.021
115	9.58	0.70	0.217	(0.371)	0.195	0.022
116	9.67	0.70	0.217	(0.369)	0.195	0.022
117	9.75	0.70	0.217	(0.368)	0.195	0.022
118	9.83	0.73	0.227	(0.366)	0.204	0.023
119	9.92	0.73	0.227	(0.364)	0.204	0.023
120	10.00	0.73	0.227	(0.362)	0.204	0.023
121	10.08	0.50	0.155	(0.361)	0.139	0.015
122	10.17	0.50	0.155	(0.359)	0.139	0.015
123	10.25	0.50	0.155	(0.357)	0.139	0.015
124	10.33	0.50	0.155	(0.355)	0.139	0.015
125	10.42	0.50	0.155	(0.354)	0.139	0.015
126	10.50	0.50	0.155	(0.352)	0.139	0.015
127	10.58	0.67	0.206	(0.350)	0.186	0.021
128	10.67	0.67	0.206	(0.348)	0.186	0.021
129	10.75	0.67	0.206	(0.347)	0.186	0.021
130	10.83	0.67	0.206	(0.345)	0.186	0.021
131	10.92	0.67	0.206	(0.343)	0.186	0.021
132	11.00	0.67	0.206	(0.342)	0.186	0.021
133	11.08	0.63	0.196	(0.340)	0.177	0.020
134	11.17	0.63	0.196	(0.338)	0.177	0.020
135	11.25	0.63	0.196	(0.337)	0.177	0.020
136	11.33	0.63	0.196	(0.335)	0.177	0.020
137	11.42	0.63	0.196	(0.333)	0.177	0.020
138	11.50	0.63	0.196	(0.332)	0.177	0.020
139	11.58	0.57	0.176	(0.330)	0.158	0.018
140	11.67	0.57	0.176	(0.328)	0.158	0.018
141	11.75	0.57	0.176	(0.327)	0.158	0.018
142	11.83	0.60	0.186	(0.325)	0.167	0.019
143	11.92	0.60	0.186	(0.324)	0.167	0.019
144	12.00	0.60	0.186	(0.322)	0.167	0.019

145	12.08	0.83	0.258	(0.320)	0.232	0.026
146	12.17	0.83	0.258	(0.319)	0.232	0.026
147	12.25	0.83	0.258	(0.317)	0.232	0.026
148	12.33	0.87	0.268	(0.316)	0.242	0.027
149	12.42	0.87	0.268	(0.314)	0.242	0.027
150	12.50	0.87	0.268	(0.312)	0.242	0.027
151	12.58	0.93	0.289	(0.311)	0.260	0.029
152	12.67	0.93	0.289	(0.309)	0.260	0.029
153	12.75	0.93	0.289	(0.308)	0.260	0.029
154	12.83	0.97	0.299	(0.306)	0.269	0.030
155	12.92	0.97	0.299	(0.305)	0.269	0.030
156	13.00	0.97	0.299	(0.303)	0.269	0.030
157	13.08	1.13	0.351	0.301 (0.316)		0.050
158	13.17	1.13	0.351	0.300 (0.316)		0.051
159	13.25	1.13	0.351	0.298 (0.316)		0.053
160	13.33	1.13	0.351	0.297 (0.316)		0.054
161	13.42	1.13	0.351	0.295 (0.316)		0.056
162	13.50	1.13	0.351	0.294 (0.316)		0.057
163	13.58	0.77	0.237	(0.292)	0.214	0.024
164	13.67	0.77	0.237	(0.291)	0.214	0.024
165	13.75	0.77	0.237	(0.289)	0.214	0.024
166	13.83	0.77	0.237	(0.288)	0.214	0.024
167	13.92	0.77	0.237	(0.286)	0.214	0.024
168	14.00	0.77	0.237	(0.285)	0.214	0.024
169	14.08	0.90	0.279	(0.284)	0.251	0.028
170	14.17	0.90	0.279	(0.282)	0.251	0.028
171	14.25	0.90	0.279	(0.281)	0.251	0.028
172	14.33	0.87	0.268	(0.279)	0.242	0.027
173	14.42	0.87	0.268	(0.278)	0.242	0.027
174	14.50	0.87	0.268	(0.276)	0.242	0.027
175	14.58	0.87	0.268	(0.275)	0.242	0.027
176	14.67	0.87	0.268	(0.274)	0.242	0.027
177	14.75	0.87	0.268	(0.272)	0.242	0.027
178	14.83	0.83	0.258	(0.271)	0.232	0.026
179	14.92	0.83	0.258	(0.269)	0.232	0.026
180	15.00	0.83	0.258	(0.268)	0.232	0.026
181	15.08	0.80	0.248	(0.267)	0.223	0.025
182	15.17	0.80	0.248	(0.265)	0.223	0.025
183	15.25	0.80	0.248	(0.264)	0.223	0.025
184	15.33	0.77	0.237	(0.263)	0.214	0.024
185	15.42	0.77	0.237	(0.261)	0.214	0.024
186	15.50	0.77	0.237	(0.260)	0.214	0.024
187	15.58	0.63	0.196	(0.259)	0.177	0.020
188	15.67	0.63	0.196	(0.257)	0.177	0.020
189	15.75	0.63	0.196	(0.256)	0.177	0.020
190	15.83	0.63	0.196	(0.255)	0.177	0.020
191	15.92	0.63	0.196	(0.253)	0.177	0.020
192	16.00	0.63	0.196	(0.252)	0.177	0.020
193	16.08	0.13	0.041	(0.251)	0.037	0.004
194	16.17	0.13	0.041	(0.249)	0.037	0.004

195	16.25	0.13	0.041	(0.248)	0.037	0.004
196	16.33	0.13	0.041	(0.247)	0.037	0.004
197	16.42	0.13	0.041	(0.246)	0.037	0.004
198	16.50	0.13	0.041	(0.244)	0.037	0.004
199	16.58	0.10	0.031	(0.243)	0.028	0.003
200	16.67	0.10	0.031	(0.242)	0.028	0.003
201	16.75	0.10	0.031	(0.241)	0.028	0.003
202	16.83	0.10	0.031	(0.239)	0.028	0.003
203	16.92	0.10	0.031	(0.238)	0.028	0.003
204	17.00	0.10	0.031	(0.237)	0.028	0.003
205	17.08	0.17	0.052	(0.236)	0.046	0.005
206	17.17	0.17	0.052	(0.235)	0.046	0.005
207	17.25	0.17	0.052	(0.233)	0.046	0.005
208	17.33	0.17	0.052	(0.232)	0.046	0.005
209	17.42	0.17	0.052	(0.231)	0.046	0.005
210	17.50	0.17	0.052	(0.230)	0.046	0.005
211	17.58	0.17	0.052	(0.229)	0.046	0.005
212	17.67	0.17	0.052	(0.228)	0.046	0.005
213	17.75	0.17	0.052	(0.227)	0.046	0.005
214	17.83	0.13	0.041	(0.225)	0.037	0.004
215	17.92	0.13	0.041	(0.224)	0.037	0.004
216	18.00	0.13	0.041	(0.223)	0.037	0.004
217	18.08	0.13	0.041	(0.222)	0.037	0.004
218	18.17	0.13	0.041	(0.221)	0.037	0.004
219	18.25	0.13	0.041	(0.220)	0.037	0.004
220	18.33	0.13	0.041	(0.219)	0.037	0.004
221	18.42	0.13	0.041	(0.218)	0.037	0.004
222	18.50	0.13	0.041	(0.217)	0.037	0.004
223	18.58	0.10	0.031	(0.216)	0.028	0.003
224	18.67	0.10	0.031	(0.215)	0.028	0.003
225	18.75	0.10	0.031	(0.214)	0.028	0.003
226	18.83	0.07	0.021	(0.213)	0.019	0.002
227	18.92	0.07	0.021	(0.212)	0.019	0.002
228	19.00	0.07	0.021	(0.211)	0.019	0.002
229	19.08	0.10	0.031	(0.210)	0.028	0.003
230	19.17	0.10	0.031	(0.209)	0.028	0.003
231	19.25	0.10	0.031	(0.208)	0.028	0.003
232	19.33	0.13	0.041	(0.207)	0.037	0.004
233	19.42	0.13	0.041	(0.206)	0.037	0.004
234	19.50	0.13	0.041	(0.205)	0.037	0.004
235	19.58	0.10	0.031	(0.204)	0.028	0.003
236	19.67	0.10	0.031	(0.203)	0.028	0.003
237	19.75	0.10	0.031	(0.202)	0.028	0.003
238	19.83	0.07	0.021	(0.201)	0.019	0.002
239	19.92	0.07	0.021	(0.200)	0.019	0.002
240	20.00	0.07	0.021	(0.199)	0.019	0.002
241	20.08	0.10	0.031	(0.198)	0.028	0.003
242	20.17	0.10	0.031	(0.197)	0.028	0.003
243	20.25	0.10	0.031	(0.197)	0.028	0.003
244	20.33	0.10	0.031	(0.196)	0.028	0.003

245	20.42	0.10	0.031	(0.195)	0.028	0.003
246	20.50	0.10	0.031	(0.194)	0.028	0.003
247	20.58	0.10	0.031	(0.193)	0.028	0.003
248	20.67	0.10	0.031	(0.192)	0.028	0.003
249	20.75	0.10	0.031	(0.192)	0.028	0.003
250	20.83	0.07	0.021	(0.191)	0.019	0.002
251	20.92	0.07	0.021	(0.190)	0.019	0.002
252	21.00	0.07	0.021	(0.189)	0.019	0.002
253	21.08	0.10	0.031	(0.189)	0.028	0.003
254	21.17	0.10	0.031	(0.188)	0.028	0.003
255	21.25	0.10	0.031	(0.187)	0.028	0.003
256	21.33	0.07	0.021	(0.186)	0.019	0.002
257	21.42	0.07	0.021	(0.186)	0.019	0.002
258	21.50	0.07	0.021	(0.185)	0.019	0.002
259	21.58	0.10	0.031	(0.184)	0.028	0.003
260	21.67	0.10	0.031	(0.184)	0.028	0.003
261	21.75	0.10	0.031	(0.183)	0.028	0.003
262	21.83	0.07	0.021	(0.182)	0.019	0.002
263	21.92	0.07	0.021	(0.182)	0.019	0.002
264	22.00	0.07	0.021	(0.181)	0.019	0.002
265	22.08	0.10	0.031	(0.181)	0.028	0.003
266	22.17	0.10	0.031	(0.180)	0.028	0.003
267	22.25	0.10	0.031	(0.179)	0.028	0.003
268	22.33	0.07	0.021	(0.179)	0.019	0.002
269	22.42	0.07	0.021	(0.178)	0.019	0.002
270	22.50	0.07	0.021	(0.178)	0.019	0.002
271	22.58	0.07	0.021	(0.177)	0.019	0.002
272	22.67	0.07	0.021	(0.177)	0.019	0.002
273	22.75	0.07	0.021	(0.176)	0.019	0.002
274	22.83	0.07	0.021	(0.176)	0.019	0.002
275	22.92	0.07	0.021	(0.175)	0.019	0.002
276	23.00	0.07	0.021	(0.175)	0.019	0.002
277	23.08	0.07	0.021	(0.175)	0.019	0.002
278	23.17	0.07	0.021	(0.174)	0.019	0.002
279	23.25	0.07	0.021	(0.174)	0.019	0.002
280	23.33	0.07	0.021	(0.173)	0.019	0.002
281	23.42	0.07	0.021	(0.173)	0.019	0.002
282	23.50	0.07	0.021	(0.173)	0.019	0.002
283	23.58	0.07	0.021	(0.173)	0.019	0.002
284	23.67	0.07	0.021	(0.172)	0.019	0.002
285	23.75	0.07	0.021	(0.172)	0.019	0.002
286	23.83	0.07	0.021	(0.172)	0.019	0.002
287	23.92	0.07	0.021	(0.172)	0.019	0.002
288	24.00	0.07	0.021	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.2

Flood volume = Effective rainfall 0.27(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 2.31(In)

Total soil loss = 0.470(Ac.Ft)

Total rainfall = 2.58(In)
 Flood volume = 2367.0 Cubic Feet
 Total soil loss = 20494.6 Cubic Feet

 Peak flow rate of this hydrograph = 0.137(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.00	Q				
0+20	0.0001	0.01	Q				
0+25	0.0002	0.01	Q				
0+30	0.0002	0.01	Q				
0+35	0.0003	0.01	Q				
0+40	0.0003	0.01	Q				
0+45	0.0004	0.01	Q				
0+50	0.0004	0.01	Q				
0+55	0.0005	0.01	Q				
1+ 0	0.0006	0.01	Q				
1+ 5	0.0006	0.01	Q				
1+10	0.0007	0.01	Q				
1+15	0.0007	0.01	Q				
1+20	0.0008	0.01	Q				
1+25	0.0008	0.01	Q				
1+30	0.0009	0.01	Q				
1+35	0.0009	0.01	Q				
1+40	0.0010	0.01	Q				
1+45	0.0011	0.01	Q				
1+50	0.0011	0.01	Q				
1+55	0.0012	0.01	Q				
2+ 0	0.0012	0.01	Q				
2+ 5	0.0013	0.01	Q				
2+10	0.0014	0.01	QV				
2+15	0.0015	0.01	QV				
2+20	0.0015	0.01	QV				
2+25	0.0016	0.01	QV				
2+30	0.0017	0.01	QV				
2+35	0.0017	0.01	QV				
2+40	0.0018	0.01	QV				
2+45	0.0019	0.01	QV				
2+50	0.0020	0.01	QV				
2+55	0.0021	0.01	QV				

3+ 0	0.0022	0.01	QV				
3+ 5	0.0023	0.01	QV				
3+10	0.0024	0.01	QV				
3+15	0.0024	0.01	QV				
3+20	0.0025	0.01	QV				
3+25	0.0026	0.01	QV				
3+30	0.0027	0.01	QV				
3+35	0.0028	0.01	Q V				
3+40	0.0029	0.01	Q V				
3+45	0.0030	0.01	Q V				
3+50	0.0031	0.01	Q V				
3+55	0.0032	0.01	Q V				
4+ 0	0.0033	0.02	Q V				
4+ 5	0.0034	0.02	Q V				
4+10	0.0035	0.02	Q V				
4+15	0.0036	0.02	Q V				
4+20	0.0037	0.02	Q V				
4+25	0.0038	0.02	Q V				
4+30	0.0039	0.02	Q V				
4+35	0.0041	0.02	Q V				
4+40	0.0042	0.02	Q V				
4+45	0.0043	0.02	Q V				
4+50	0.0044	0.02	Q V				
4+55	0.0046	0.02	Q V				
5+ 0	0.0047	0.02	Q V				
5+ 5	0.0048	0.02	Q V				
5+10	0.0049	0.02	Q V				
5+15	0.0050	0.02	Q V				
5+20	0.0052	0.02	Q V				
5+25	0.0053	0.02	Q V				
5+30	0.0054	0.02	Q V				
5+35	0.0055	0.02	Q V				
5+40	0.0057	0.02	Q V				
5+45	0.0058	0.02	Q V				
5+50	0.0059	0.02	Q V				
5+55	0.0061	0.02	Q V				
6+ 0	0.0062	0.02	Q V				
6+ 5	0.0064	0.02	Q V				
6+10	0.0065	0.02	Q V				
6+15	0.0067	0.02	Q V				
6+20	0.0068	0.02	Q V				
6+25	0.0070	0.02	Q V				
6+30	0.0072	0.02	Q V				
6+35	0.0073	0.02	Q V				
6+40	0.0075	0.02	Q V				
6+45	0.0077	0.03	Q V				
6+50	0.0078	0.03	Q V				
6+55	0.0080	0.03	Q V				
7+ 0	0.0082	0.03	Q V				
7+ 5	0.0084	0.03	Q V				

7+10	0.0085	0.03	Q	V				
7+15	0.0087	0.03	Q	V				
7+20	0.0089	0.03	Q	V				
7+25	0.0091	0.03	Q	V				
7+30	0.0093	0.03	Q	V				
7+35	0.0095	0.03	Q	V				
7+40	0.0097	0.03	Q	V				
7+45	0.0099	0.03	Q	V				
7+50	0.0101	0.03	Q	V				
7+55	0.0103	0.03	Q	V				
8+ 0	0.0106	0.03	Q	V				
8+ 5	0.0108	0.03	Q	V				
8+10	0.0110	0.04	Q	V				
8+15	0.0113	0.04	Q	V				
8+20	0.0116	0.04	Q	V				
8+25	0.0118	0.04	Q	V				
8+30	0.0121	0.04	Q	V				
8+35	0.0124	0.04	Q	V				
8+40	0.0126	0.04	Q	V				
8+45	0.0129	0.04	Q	V				
8+50	0.0132	0.04	Q	V				
8+55	0.0135	0.04	Q	V				
9+ 0	0.0138	0.04	Q	V				
9+ 5	0.0141	0.04	Q	V				
9+10	0.0144	0.05	Q	V				
9+15	0.0148	0.05	Q	V				
9+20	0.0151	0.05	Q	V				
9+25	0.0154	0.05	Q	V				
9+30	0.0158	0.05	Q	V				
9+35	0.0161	0.05	Q	V				
9+40	0.0165	0.05	Q	V				
9+45	0.0169	0.05	Q	V				
9+50	0.0173	0.05	Q	V				
9+55	0.0176	0.06	Q	V				
10+ 0	0.0180	0.06	Q	V				
10+ 5	0.0184	0.05	Q	V				
10+10	0.0186	0.04	Q	V				
10+15	0.0189	0.04	Q	V				
10+20	0.0192	0.04	Q	V				
10+25	0.0194	0.04	Q	V				
10+30	0.0197	0.04	Q	V				
10+35	0.0200	0.04	Q	V				
10+40	0.0203	0.05	Q	V				
10+45	0.0207	0.05	Q	V				
10+50	0.0210	0.05	Q	V				
10+55	0.0214	0.05	Q	V				
11+ 0	0.0217	0.05	Q	V				
11+ 5	0.0221	0.05	Q	V				
11+10	0.0224	0.05	Q	V				
11+15	0.0227	0.05	Q	V				

11+20	0.0231	0.05	Q	V			
11+25	0.0234	0.05	Q	V			
11+30	0.0237	0.05	Q	V			
11+35	0.0241	0.05	Q	V			
11+40	0.0244	0.04	Q	V			
11+45	0.0247	0.04	Q	V			
11+50	0.0250	0.04	Q	V			
11+55	0.0253	0.05	Q	V			
12+ 0	0.0256	0.05	Q	V			
12+ 5	0.0259	0.05	Q	V			
12+10	0.0264	0.06	Q	V			
12+15	0.0268	0.06	Q	V			
12+20	0.0272	0.06	Q	V			
12+25	0.0277	0.07	Q	V			
12+30	0.0281	0.07	Q	V			
12+35	0.0286	0.07	Q	V			
12+40	0.0291	0.07	Q	V			
12+45	0.0296	0.07	Q	V			
12+50	0.0301	0.07	Q	V			
12+55	0.0306	0.07	Q	V			
13+ 0	0.0311	0.07	Q	V			
13+ 5	0.0317	0.09	Q	V			
13+10	0.0325	0.11	Q	V			
13+15	0.0333	0.12	Q	V			
13+20	0.0342	0.13	Q	V			
13+25	0.0351	0.13	Q	V			
13+30	0.0361	0.14	Q	V			
13+35	0.0368	0.11	Q	V			
13+40	0.0373	0.07	Q	V			
13+45	0.0378	0.06	Q	V			
13+50	0.0382	0.06	Q	V			
13+55	0.0386	0.06	Q	V			
14+ 0	0.0390	0.06	Q	V			
14+ 5	0.0394	0.06	Q	V			
14+10	0.0399	0.07	Q	V			
14+15	0.0404	0.07	Q	V			
14+20	0.0408	0.07	Q	V			
14+25	0.0413	0.07	Q	V			
14+30	0.0417	0.07	Q	V			
14+35	0.0422	0.07	Q	V			
14+40	0.0427	0.07	Q	V			
14+45	0.0431	0.07	Q	V			
14+50	0.0436	0.07	Q	V			
14+55	0.0440	0.06	Q	V			
15+ 0	0.0444	0.06	Q	V			
15+ 5	0.0449	0.06	Q	V			
15+10	0.0453	0.06	Q	V			
15+15	0.0457	0.06	Q	V			
15+20	0.0461	0.06	Q	V			
15+25	0.0465	0.06	Q	V			

15+30	0.0469	0.06	Q				V
15+35	0.0473	0.05	Q				V
15+40	0.0477	0.05	Q				V
15+45	0.0480	0.05	Q				V
15+50	0.0483	0.05	Q				V
15+55	0.0487	0.05	Q				V
16+ 0	0.0490	0.05	Q				V
16+ 5	0.0492	0.03	Q				V
16+10	0.0494	0.02	Q				V
16+15	0.0494	0.01	Q				V
16+20	0.0495	0.01	Q				V
16+25	0.0496	0.01	Q				V
16+30	0.0497	0.01	Q				V
16+35	0.0497	0.01	Q				V
16+40	0.0498	0.01	Q				V
16+45	0.0498	0.01	Q				V
16+50	0.0499	0.01	Q				V
16+55	0.0499	0.01	Q				V
17+ 0	0.0500	0.01	Q				V
17+ 5	0.0501	0.01	Q				V
17+10	0.0501	0.01	Q				V
17+15	0.0502	0.01	Q				V
17+20	0.0503	0.01	Q				V
17+25	0.0504	0.01	Q				V
17+30	0.0505	0.01	Q				V
17+35	0.0506	0.01	Q				V
17+40	0.0507	0.01	Q				V
17+45	0.0507	0.01	Q				V
17+50	0.0508	0.01	Q				V
17+55	0.0509	0.01	Q				V
18+ 0	0.0510	0.01	Q				V
18+ 5	0.0510	0.01	Q				V
18+10	0.0511	0.01	Q				V
18+15	0.0512	0.01	Q				V
18+20	0.0512	0.01	Q				V
18+25	0.0513	0.01	Q				V
18+30	0.0514	0.01	Q				V
18+35	0.0515	0.01	Q				V
18+40	0.0515	0.01	Q				V
18+45	0.0516	0.01	Q				V
18+50	0.0516	0.01	Q				V
18+55	0.0516	0.01	Q				V
19+ 0	0.0517	0.01	Q				V
19+ 5	0.0517	0.01	Q				V
19+10	0.0518	0.01	Q				V
19+15	0.0518	0.01	Q				V
19+20	0.0519	0.01	Q				V
19+25	0.0520	0.01	Q				V
19+30	0.0520	0.01	Q				V
19+35	0.0521	0.01	Q				V

19+40	0.0521	0.01	Q				V
19+45	0.0522	0.01	Q				V
19+50	0.0522	0.01	Q				V
19+55	0.0523	0.01	Q				V
20+ 0	0.0523	0.01	Q				V
20+ 5	0.0524	0.01	Q				V
20+10	0.0524	0.01	Q				V
20+15	0.0525	0.01	Q				V
20+20	0.0525	0.01	Q				V
20+25	0.0526	0.01	Q				V
20+30	0.0526	0.01	Q				V
20+35	0.0527	0.01	Q				V
20+40	0.0527	0.01	Q				V
20+45	0.0528	0.01	Q				V
20+50	0.0528	0.01	Q				V
20+55	0.0529	0.01	Q				V
21+ 0	0.0529	0.01	Q				V
21+ 5	0.0529	0.01	Q				V
21+10	0.0530	0.01	Q				V
21+15	0.0530	0.01	Q				V
21+20	0.0531	0.01	Q				V
21+25	0.0531	0.01	Q				V
21+30	0.0532	0.01	Q				V
21+35	0.0532	0.01	Q				V
21+40	0.0532	0.01	Q				V
21+45	0.0533	0.01	Q				V
21+50	0.0533	0.01	Q				V
21+55	0.0534	0.01	Q				V
22+ 0	0.0534	0.01	Q				V
22+ 5	0.0535	0.01	Q				V
22+10	0.0535	0.01	Q				V
22+15	0.0536	0.01	Q				V
22+20	0.0536	0.01	Q				V
22+25	0.0536	0.01	Q				V
22+30	0.0537	0.01	Q				V
22+35	0.0537	0.01	Q				V
22+40	0.0537	0.01	Q				V
22+45	0.0538	0.01	Q				V
22+50	0.0538	0.01	Q				V
22+55	0.0539	0.01	Q				V
23+ 0	0.0539	0.01	Q				V
23+ 5	0.0539	0.01	Q				V
23+10	0.0540	0.01	Q				V
23+15	0.0540	0.01	Q				V
23+20	0.0540	0.01	Q				V
23+25	0.0541	0.01	Q				V
23+30	0.0541	0.01	Q				V
23+35	0.0541	0.01	Q				V
23+40	0.0542	0.01	Q				V
23+45	0.0542	0.01	Q				V

23+50	0.0542	0.01	Q				V
23+55	0.0543	0.01	Q				V
24+ 0	0.0543	0.01	Q				V
24+ 5	0.0543	0.00	Q				V
24+10	0.0543	0.00	Q				V
24+15	0.0543	0.00	Q				V
24+20	0.0543	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda465.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.343)	0.080	0.009
2	0.17	0.60	0.107	(0.343)	0.096	0.011
3	0.25	0.60	0.107	(0.343)	0.096	0.011
4	0.33	0.60	0.107	(0.343)	0.096	0.011
5	0.42	0.60	0.107	(0.343)	0.096	0.011
6	0.50	0.70	0.125	(0.343)	0.112	0.012
7	0.58	0.70	0.125	(0.343)	0.112	0.012
8	0.67	0.70	0.125	(0.343)	0.112	0.012
9	0.75	0.70	0.125	(0.343)	0.112	0.012
10	0.83	0.70	0.125	(0.343)	0.112	0.012
11	0.92	0.70	0.125	(0.343)	0.112	0.012
12	1.00	0.80	0.143	(0.343)	0.128	0.014
13	1.08	0.80	0.143	(0.343)	0.128	0.014
14	1.17	0.80	0.143	(0.343)	0.128	0.014
15	1.25	0.80	0.143	(0.343)	0.128	0.014
16	1.33	0.80	0.143	(0.343)	0.128	0.014
17	1.42	0.80	0.143	(0.343)	0.128	0.014
18	1.50	0.80	0.143	(0.343)	0.128	0.014
19	1.58	0.80	0.143	(0.343)	0.128	0.014
20	1.67	0.80	0.143	(0.343)	0.128	0.014
21	1.75	0.80	0.143	(0.343)	0.128	0.014
22	1.83	0.80	0.143	(0.343)	0.128	0.014
23	1.92	0.80	0.143	(0.343)	0.128	0.014
24	2.00	0.90	0.160	(0.343)	0.144	0.016
25	2.08	0.80	0.143	(0.343)	0.128	0.014
26	2.17	0.90	0.160	(0.343)	0.144	0.016
27	2.25	0.90	0.160	(0.343)	0.144	0.016
28	2.33	0.90	0.160	(0.343)	0.144	0.016
29	2.42	0.90	0.160	(0.343)	0.144	0.016
30	2.50	0.90	0.160	(0.343)	0.144	0.016
31	2.58	0.90	0.160	(0.343)	0.144	0.016
32	2.67	0.90	0.160	(0.343)	0.144	0.016
33	2.75	1.00	0.178	(0.343)	0.160	0.018
34	2.83	1.00	0.178	(0.343)	0.160	0.018
35	2.92	1.00	0.178	(0.343)	0.160	0.018
36	3.00	1.00	0.178	(0.343)	0.160	0.018
37	3.08	1.00	0.178	(0.343)	0.160	0.018
38	3.17	1.10	0.196	(0.343)	0.177	0.020
39	3.25	1.10	0.196	(0.343)	0.177	0.020
40	3.33	1.10	0.196	(0.343)	0.177	0.020
41	3.42	1.20	0.214	(0.343)	0.193	0.021
42	3.50	1.30	0.232	(0.343)	0.209	0.023
43	3.58	1.40	0.250	(0.343)	0.225	0.025
44	3.67	1.40	0.250	(0.343)	0.225	0.025

45	3.75	1.50	0.267	(0.343)	0.241	0.027
46	3.83	1.50	0.267	(0.343)	0.241	0.027
47	3.92	1.60	0.285	(0.343)	0.257	0.029
48	4.00	1.60	0.285	(0.343)	0.257	0.029
49	4.08	1.70	0.303	(0.343)	0.273	0.030
50	4.17	1.80	0.321	(0.343)	0.289	0.032
51	4.25	1.90	0.339	(0.343)	0.305	0.034
52	4.33	2.00	0.357	(0.343)	0.321	0.036
53	4.42	2.10	0.374	(0.343)	0.337	0.037
54	4.50	2.10	0.374	(0.343)	0.337	0.037
55	4.58	2.20	0.392	0.343 (0.353)		0.049
56	4.67	2.30	0.410	0.343 (0.369)		0.067
57	4.75	2.40	0.428	0.343 (0.385)		0.085
58	4.83	2.40	0.428	0.343 (0.385)		0.085
59	4.92	2.50	0.446	0.343 (0.401)		0.103
60	5.00	2.60	0.464	0.343 (0.417)		0.121
61	5.08	3.10	0.553	0.343 (0.498)		0.210
62	5.17	3.60	0.642	0.343 (0.578)		0.299
63	5.25	3.90	0.695	0.343 (0.626)		0.352
64	5.33	4.20	0.749	0.343 (0.674)		0.406
65	5.42	4.70	0.838	0.343 (0.754)		0.495
66	5.50	5.60	0.999	0.343 (0.899)		0.655
67	5.58	1.90	0.339	(0.343)	0.305	0.034
68	5.67	0.90	0.160	(0.343)	0.144	0.016
69	5.75	0.60	0.107	(0.343)	0.096	0.011
70	5.83	0.50	0.089	(0.343)	0.080	0.009
71	5.92	0.30	0.053	(0.343)	0.048	0.005
72	6.00	0.20	0.036	(0.343)	0.032	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.0

Flood volume = Effective rainfall 0.33(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 1.15(In)
Total soil loss = 0.234(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 2956.2 Cubic Feet
Total soil loss = 10205.7 Cubic Feet

Peak flow rate of this hydrograph = 1.308(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				

0+10	0.0002	0.02	Q				
0+15	0.0004	0.02	Q				
0+20	0.0005	0.03	Q				
0+25	0.0007	0.03	Q				
0+30	0.0009	0.03	Q				
0+35	0.0011	0.03	Q				
0+40	0.0013	0.03	Q				
0+45	0.0015	0.03	Q				
0+50	0.0017	0.03	QV				
0+55	0.0020	0.03	QV				
1+ 0	0.0022	0.03	QV				
1+ 5	0.0024	0.03	QV				
1+10	0.0026	0.03	QV				
1+15	0.0029	0.03	QV				
1+20	0.0031	0.04	QV				
1+25	0.0034	0.04	QV				
1+30	0.0036	0.04	Q V				
1+35	0.0039	0.04	Q V				
1+40	0.0041	0.04	Q V				
1+45	0.0043	0.04	Q V				
1+50	0.0046	0.04	Q V				
1+55	0.0048	0.04	Q V				
2+ 0	0.0051	0.04	Q V				
2+ 5	0.0053	0.04	Q V				
2+10	0.0056	0.04	Q V				
2+15	0.0059	0.04	Q V				
2+20	0.0061	0.04	Q V				
2+25	0.0064	0.04	Q V				
2+30	0.0067	0.04	Q V				
2+35	0.0069	0.04	Q V				
2+40	0.0072	0.04	Q V				
2+45	0.0075	0.04	Q V				
2+50	0.0078	0.04	Q V				
2+55	0.0081	0.04	Q V				
3+ 0	0.0084	0.04	Q V				
3+ 5	0.0087	0.04	Q V				
3+10	0.0090	0.05	Q V				
3+15	0.0093	0.05	Q V				
3+20	0.0097	0.05	Q V				
3+25	0.0100	0.05	Q V				
3+30	0.0104	0.05	Q V				
3+35	0.0108	0.06	Q V				
3+40	0.0112	0.06	Q V				
3+45	0.0116	0.06	Q V				
3+50	0.0121	0.06	Q V				
3+55	0.0125	0.07	Q V				
4+ 0	0.0130	0.07	Q V				
4+ 5	0.0135	0.07	Q V				
4+10	0.0140	0.08	Q V				
4+15	0.0146	0.08	Q V				

4+20	0.0151	0.08	Q	V							
4+25	0.0157	0.09	Q	V							
4+30	0.0164	0.09	Q	V							
4+35	0.0171	0.10	Q	V							
4+40	0.0180	0.13	Q	V							
4+45	0.0192	0.17	Q	V	V						
4+50	0.0205	0.20	Q	V	V						
4+55	0.0220	0.22	Q	V	V						
5+ 0	0.0238	0.26	Q		V						
5+ 5	0.0263	0.36	Q		V						
5+10	0.0301	0.55	Q		V						
5+15	0.0351	0.73	Q		V						
5+20	0.0411	0.87	Q			V					
5+25	0.0483	1.04	Q				V				
5+30	0.0573	1.31	Q					V			
5+35	0.0639	0.97	Q						V		
5+40	0.0661	0.31	Q						V		
5+45	0.0670	0.14	Q						V		
5+50	0.0675	0.07	Q						V		
5+55	0.0677	0.02	Q						V		
6+ 0	0.0678	0.01	Q						V		
6+ 5	0.0678	0.01	Q						V		
6+10	0.0679	0.00	Q						V		
6+15	0.0679	0.00	Q						V		
6+20	0.0679	0.00	Q						V		

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda435.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.343)	0.152	0.017
2	0.17	1.30	0.169	(0.343)	0.152	0.017
3	0.25	1.10	0.143	(0.343)	0.129	0.014
4	0.33	1.50	0.195	(0.343)	0.176	0.020
5	0.42	1.50	0.195	(0.343)	0.176	0.020
6	0.50	1.80	0.234	(0.343)	0.211	0.023
7	0.58	1.50	0.195	(0.343)	0.176	0.020
8	0.67	1.80	0.234	(0.343)	0.211	0.023
9	0.75	1.80	0.234	(0.343)	0.211	0.023
10	0.83	1.50	0.195	(0.343)	0.176	0.020
11	0.92	1.60	0.208	(0.343)	0.187	0.021
12	1.00	1.80	0.234	(0.343)	0.211	0.023
13	1.08	2.20	0.286	(0.343)	0.258	0.029
14	1.17	2.20	0.286	(0.343)	0.258	0.029
15	1.25	2.20	0.286	(0.343)	0.258	0.029
16	1.33	2.00	0.260	(0.343)	0.234	0.026
17	1.42	2.60	0.338	(0.343)	0.305	0.034
18	1.50	2.70	0.351	(0.343)	0.316	0.035
19	1.58	2.40	0.312	(0.343)	0.281	0.031
20	1.67	2.70	0.351	(0.343)	0.316	0.035
21	1.75	3.30	0.430	0.343	(0.387)	0.086
22	1.83	3.10	0.404	0.343	(0.363)	0.060
23	1.92	2.90	0.377	(0.343)	0.340	0.038
24	2.00	3.00	0.390	0.343	(0.351)	0.047
25	2.08	3.10	0.404	0.343	(0.363)	0.060
26	2.17	4.20	0.547	0.343	(0.492)	0.204
27	2.25	5.00	0.651	0.343	(0.586)	0.308
28	2.33	3.50	0.456	0.343	(0.410)	0.112
29	2.42	6.80	0.885	0.343	(0.797)	0.542
30	2.50	7.30	0.950	0.343	(0.855)	0.607
31	2.58	8.20	1.067	0.343	(0.961)	0.724
32	2.67	5.90	0.768	0.343	(0.691)	0.425
33	2.75	2.00	0.260	(0.343)	0.234	0.026
34	2.83	1.80	0.234	(0.343)	0.211	0.023
35	2.92	1.80	0.234	(0.343)	0.211	0.023
36	3.00	0.60	0.078	(0.343)	0.070	0.008

(Loss Rate Not Used)

Sum = 100.0

Sum = 3.8

Flood volume = Effective rainfall 0.32(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.77(In)

Total soil loss = 0.156(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 2792.3 Cubic Feet

Total soil loss = 6815.2 Cubic Feet

Peak flow rate of this hydrograph = 1.505(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.02	Q				
0+10	0.0003		0.03	Q				
0+15	0.0006		0.04	Q				
0+20	0.0009		0.04	Q				
0+25	0.0012		0.05	Q				
0+30	0.0015		0.05	Q				
0+35	0.0019		0.05	QV				
0+40	0.0023		0.05	QV				
0+45	0.0026		0.06	QV				
0+50	0.0030		0.05	QV				
0+55	0.0034		0.05	Q V				
1+ 0	0.0037		0.05	Q V				
1+ 5	0.0041		0.06	Q V				
1+10	0.0046		0.07	Q V				
1+15	0.0051		0.07	Q V				
1+20	0.0056		0.07	Q V				
1+25	0.0061		0.07	Q V				
1+30	0.0066		0.08	Q V				
1+35	0.0072		0.08	Q V				
1+40	0.0077		0.08	Q V				
1+45	0.0086		0.13	Q V				
1+50	0.0098		0.17	Q V				
1+55	0.0107		0.13	Q V				
2+ 0	0.0115		0.11	Q V				
2+ 5	0.0124		0.13	Q V				
2+10	0.0142		0.27	Q V				
2+15	0.0178		0.53	Q	V			
2+20	0.0214		0.51	Q	V			
2+25	0.0263		0.71	Q	V			
2+30	0.0348		1.23	Q		V		
2+35	0.0451		1.51	Q			V	
2+40	0.0549		1.42	Q			V	
2+45	0.0604		0.80	Q				V
2+50	0.0624		0.28	Q				V
2+55	0.0634		0.15	Q				V
3+ 0	0.0639		0.07	Q				V
3+ 5	0.0640		0.02	Q				V

3+10	0.0641	0.01	Q				V
3+15	0.0641	0.00	Q				V
3+20	0.0641	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda415.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	162.567	36.083	0.887
2 0.167	325.133	46.075	1.133
3 0.250	487.700	10.501	0.258
4 0.333	650.267	4.500	0.111
5 0.417	812.833	2.841	0.070
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In./Hr)	Loss rate(In./Hr)		Effective (In./Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.343)	0.294	0.033
2	0.17	4.30	0.335	(0.343)	0.301	0.033
3	0.25	5.00	0.389	0.343	(0.350)	0.046
4	0.33	5.00	0.389	0.343	(0.350)	0.046
5	0.42	5.80	0.452	0.343	(0.406)	0.108
6	0.50	6.50	0.506	0.343	(0.455)	0.163
7	0.58	7.40	0.576	0.343	(0.519)	0.233
8	0.67	8.60	0.670	0.343	(0.603)	0.326
9	0.75	12.30	0.958	0.343	(0.862)	0.615
10	0.83	29.10	2.266	0.343	(2.039)	1.923
11	0.92	6.80	0.529	0.343	(0.476)	0.186
12	1.00	5.00	0.389	0.343	(0.350)	0.046

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.8

$$\text{Flood volume} = \text{Effective rainfall} \times 0.31(\text{In})$$

times area $2.4(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad \quad \quad 0.1(\text{Ac.Ft})$

Total soil loss = $0.34(\text{In})$

Total soil loss = 0.068(Ac.Ft)

Total rainfall = 0.65(In)

Flood volume = 2774.4 Cubic Feet

Total soil loss = 2972.2 Cubic Feet

Peak flow rate of this hydrograph = 2.556(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	θ	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q					
0+10	0.0007	0.07	Q					
0+15	0.0013	0.09	Q					
0+20	0.0020	0.11	QV					
0+25	0.0031	0.17	QV					
0+30	0.0051	0.29	Q V					
0+35	0.0081	0.43	Q V					
0+40	0.0123	0.61	Q V					
0+45	0.0192	1.00	Q		V			

0+50	0.0366	2.52		Q		V			
0+55	0.0542	2.56		Q				V	
1+ 0	0.0599	0.84		Q				V	
1+ 5	0.0624	0.36		Q				V	
1+10	0.0635	0.17	Q					V	
1+15	0.0637	0.02	Q					V	
1+20	0.0637	0.00	Q					V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda4242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.608)	0.014	0.002
2	0.17	0.07	0.015	(0.606)	0.014	0.002
3	0.25	0.07	0.015	(0.604)	0.014	0.002
4	0.33	0.10	0.023	(0.601)	0.021	0.002
5	0.42	0.10	0.023	(0.599)	0.021	0.002
6	0.50	0.10	0.023	(0.597)	0.021	0.002
7	0.58	0.10	0.023	(0.594)	0.021	0.002
8	0.67	0.10	0.023	(0.592)	0.021	0.002
9	0.75	0.10	0.023	(0.590)	0.021	0.002
10	0.83	0.13	0.031	(0.587)	0.028	0.003
11	0.92	0.13	0.031	(0.585)	0.028	0.003
12	1.00	0.13	0.031	(0.583)	0.028	0.003
13	1.08	0.10	0.023	(0.580)	0.021	0.002
14	1.17	0.10	0.023	(0.578)	0.021	0.002
15	1.25	0.10	0.023	(0.576)	0.021	0.002
16	1.33	0.10	0.023	(0.573)	0.021	0.002
17	1.42	0.10	0.023	(0.571)	0.021	0.002
18	1.50	0.10	0.023	(0.569)	0.021	0.002
19	1.58	0.10	0.023	(0.567)	0.021	0.002
20	1.67	0.10	0.023	(0.564)	0.021	0.002
21	1.75	0.10	0.023	(0.562)	0.021	0.002
22	1.83	0.13	0.031	(0.560)	0.028	0.003
23	1.92	0.13	0.031	(0.558)	0.028	0.003
24	2.00	0.13	0.031	(0.555)	0.028	0.003
25	2.08	0.13	0.031	(0.553)	0.028	0.003
26	2.17	0.13	0.031	(0.551)	0.028	0.003
27	2.25	0.13	0.031	(0.549)	0.028	0.003
28	2.33	0.13	0.031	(0.546)	0.028	0.003
29	2.42	0.13	0.031	(0.544)	0.028	0.003
30	2.50	0.13	0.031	(0.542)	0.028	0.003
31	2.58	0.17	0.039	(0.540)	0.035	0.004
32	2.67	0.17	0.039	(0.537)	0.035	0.004
33	2.75	0.17	0.039	(0.535)	0.035	0.004
34	2.83	0.17	0.039	(0.533)	0.035	0.004
35	2.92	0.17	0.039	(0.531)	0.035	0.004
36	3.00	0.17	0.039	(0.529)	0.035	0.004
37	3.08	0.17	0.039	(0.526)	0.035	0.004
38	3.17	0.17	0.039	(0.524)	0.035	0.004
39	3.25	0.17	0.039	(0.522)	0.035	0.004
40	3.33	0.17	0.039	(0.520)	0.035	0.004
41	3.42	0.17	0.039	(0.518)	0.035	0.004
42	3.50	0.17	0.039	(0.516)	0.035	0.004
43	3.58	0.17	0.039	(0.513)	0.035	0.004
44	3.67	0.17	0.039	(0.511)	0.035	0.004

45	3.75	0.17	0.039	(0.509)	0.035	0.004
46	3.83	0.20	0.046	(0.507)	0.042	0.005
47	3.92	0.20	0.046	(0.505)	0.042	0.005
48	4.00	0.20	0.046	(0.503)	0.042	0.005
49	4.08	0.20	0.046	(0.501)	0.042	0.005
50	4.17	0.20	0.046	(0.498)	0.042	0.005
51	4.25	0.20	0.046	(0.496)	0.042	0.005
52	4.33	0.23	0.054	(0.494)	0.049	0.005
53	4.42	0.23	0.054	(0.492)	0.049	0.005
54	4.50	0.23	0.054	(0.490)	0.049	0.005
55	4.58	0.23	0.054	(0.488)	0.049	0.005
56	4.67	0.23	0.054	(0.486)	0.049	0.005
57	4.75	0.23	0.054	(0.484)	0.049	0.005
58	4.83	0.27	0.062	(0.482)	0.056	0.006
59	4.92	0.27	0.062	(0.480)	0.056	0.006
60	5.00	0.27	0.062	(0.477)	0.056	0.006
61	5.08	0.20	0.046	(0.475)	0.042	0.005
62	5.17	0.20	0.046	(0.473)	0.042	0.005
63	5.25	0.20	0.046	(0.471)	0.042	0.005
64	5.33	0.23	0.054	(0.469)	0.049	0.005
65	5.42	0.23	0.054	(0.467)	0.049	0.005
66	5.50	0.23	0.054	(0.465)	0.049	0.005
67	5.58	0.27	0.062	(0.463)	0.056	0.006
68	5.67	0.27	0.062	(0.461)	0.056	0.006
69	5.75	0.27	0.062	(0.459)	0.056	0.006
70	5.83	0.27	0.062	(0.457)	0.056	0.006
71	5.92	0.27	0.062	(0.455)	0.056	0.006
72	6.00	0.27	0.062	(0.453)	0.056	0.006
73	6.08	0.30	0.069	(0.451)	0.063	0.007
74	6.17	0.30	0.069	(0.449)	0.063	0.007
75	6.25	0.30	0.069	(0.447)	0.063	0.007
76	6.33	0.30	0.069	(0.445)	0.063	0.007
77	6.42	0.30	0.069	(0.443)	0.063	0.007
78	6.50	0.30	0.069	(0.441)	0.063	0.007
79	6.58	0.33	0.077	(0.439)	0.069	0.008
80	6.67	0.33	0.077	(0.437)	0.069	0.008
81	6.75	0.33	0.077	(0.435)	0.069	0.008
82	6.83	0.33	0.077	(0.433)	0.069	0.008
83	6.92	0.33	0.077	(0.431)	0.069	0.008
84	7.00	0.33	0.077	(0.429)	0.069	0.008
85	7.08	0.33	0.077	(0.427)	0.069	0.008
86	7.17	0.33	0.077	(0.425)	0.069	0.008
87	7.25	0.33	0.077	(0.423)	0.069	0.008
88	7.33	0.37	0.085	(0.421)	0.076	0.008
89	7.42	0.37	0.085	(0.419)	0.076	0.008
90	7.50	0.37	0.085	(0.417)	0.076	0.008
91	7.58	0.40	0.093	(0.416)	0.083	0.009
92	7.67	0.40	0.093	(0.414)	0.083	0.009
93	7.75	0.40	0.093	(0.412)	0.083	0.009
94	7.83	0.43	0.100	(0.410)	0.090	0.010

95	7.92	0.43	0.100	(0.408)	0.090	0.010
96	8.00	0.43	0.100	(0.406)	0.090	0.010
97	8.08	0.50	0.116	(0.404)	0.104	0.012
98	8.17	0.50	0.116	(0.402)	0.104	0.012
99	8.25	0.50	0.116	(0.400)	0.104	0.012
100	8.33	0.50	0.116	(0.399)	0.104	0.012
101	8.42	0.50	0.116	(0.397)	0.104	0.012
102	8.50	0.50	0.116	(0.395)	0.104	0.012
103	8.58	0.53	0.124	(0.393)	0.111	0.012
104	8.67	0.53	0.124	(0.391)	0.111	0.012
105	8.75	0.53	0.124	(0.389)	0.111	0.012
106	8.83	0.57	0.131	(0.387)	0.118	0.013
107	8.92	0.57	0.131	(0.386)	0.118	0.013
108	9.00	0.57	0.131	(0.384)	0.118	0.013
109	9.08	0.63	0.147	(0.382)	0.132	0.015
110	9.17	0.63	0.147	(0.380)	0.132	0.015
111	9.25	0.63	0.147	(0.378)	0.132	0.015
112	9.33	0.67	0.154	(0.377)	0.139	0.015
113	9.42	0.67	0.154	(0.375)	0.139	0.015
114	9.50	0.67	0.154	(0.373)	0.139	0.015
115	9.58	0.70	0.162	(0.371)	0.146	0.016
116	9.67	0.70	0.162	(0.369)	0.146	0.016
117	9.75	0.70	0.162	(0.368)	0.146	0.016
118	9.83	0.73	0.170	(0.366)	0.153	0.017
119	9.92	0.73	0.170	(0.364)	0.153	0.017
120	10.00	0.73	0.170	(0.362)	0.153	0.017
121	10.08	0.50	0.116	(0.361)	0.104	0.012
122	10.17	0.50	0.116	(0.359)	0.104	0.012
123	10.25	0.50	0.116	(0.357)	0.104	0.012
124	10.33	0.50	0.116	(0.355)	0.104	0.012
125	10.42	0.50	0.116	(0.354)	0.104	0.012
126	10.50	0.50	0.116	(0.352)	0.104	0.012
127	10.58	0.67	0.154	(0.350)	0.139	0.015
128	10.67	0.67	0.154	(0.348)	0.139	0.015
129	10.75	0.67	0.154	(0.347)	0.139	0.015
130	10.83	0.67	0.154	(0.345)	0.139	0.015
131	10.92	0.67	0.154	(0.343)	0.139	0.015
132	11.00	0.67	0.154	(0.342)	0.139	0.015
133	11.08	0.63	0.147	(0.340)	0.132	0.015
134	11.17	0.63	0.147	(0.338)	0.132	0.015
135	11.25	0.63	0.147	(0.337)	0.132	0.015
136	11.33	0.63	0.147	(0.335)	0.132	0.015
137	11.42	0.63	0.147	(0.333)	0.132	0.015
138	11.50	0.63	0.147	(0.332)	0.132	0.015
139	11.58	0.57	0.131	(0.330)	0.118	0.013
140	11.67	0.57	0.131	(0.328)	0.118	0.013
141	11.75	0.57	0.131	(0.327)	0.118	0.013
142	11.83	0.60	0.139	(0.325)	0.125	0.014
143	11.92	0.60	0.139	(0.324)	0.125	0.014
144	12.00	0.60	0.139	(0.322)	0.125	0.014

145	12.08	0.83	0.193	(0.320)	0.174	0.019
146	12.17	0.83	0.193	(0.319)	0.174	0.019
147	12.25	0.83	0.193	(0.317)	0.174	0.019
148	12.33	0.87	0.201	(0.316)	0.181	0.020
149	12.42	0.87	0.201	(0.314)	0.181	0.020
150	12.50	0.87	0.201	(0.312)	0.181	0.020
151	12.58	0.93	0.216	(0.311)	0.195	0.022
152	12.67	0.93	0.216	(0.309)	0.195	0.022
153	12.75	0.93	0.216	(0.308)	0.195	0.022
154	12.83	0.97	0.224	(0.306)	0.201	0.022
155	12.92	0.97	0.224	(0.305)	0.201	0.022
156	13.00	0.97	0.224	(0.303)	0.201	0.022
157	13.08	1.13	0.262	(0.301)	0.236	0.026
158	13.17	1.13	0.262	(0.300)	0.236	0.026
159	13.25	1.13	0.262	(0.298)	0.236	0.026
160	13.33	1.13	0.262	(0.297)	0.236	0.026
161	13.42	1.13	0.262	(0.295)	0.236	0.026
162	13.50	1.13	0.262	(0.294)	0.236	0.026
163	13.58	0.77	0.178	(0.292)	0.160	0.018
164	13.67	0.77	0.178	(0.291)	0.160	0.018
165	13.75	0.77	0.178	(0.289)	0.160	0.018
166	13.83	0.77	0.178	(0.288)	0.160	0.018
167	13.92	0.77	0.178	(0.286)	0.160	0.018
168	14.00	0.77	0.178	(0.285)	0.160	0.018
169	14.08	0.90	0.208	(0.284)	0.188	0.021
170	14.17	0.90	0.208	(0.282)	0.188	0.021
171	14.25	0.90	0.208	(0.281)	0.188	0.021
172	14.33	0.87	0.201	(0.279)	0.181	0.020
173	14.42	0.87	0.201	(0.278)	0.181	0.020
174	14.50	0.87	0.201	(0.276)	0.181	0.020
175	14.58	0.87	0.201	(0.275)	0.181	0.020
176	14.67	0.87	0.201	(0.274)	0.181	0.020
177	14.75	0.87	0.201	(0.272)	0.181	0.020
178	14.83	0.83	0.193	(0.271)	0.174	0.019
179	14.92	0.83	0.193	(0.269)	0.174	0.019
180	15.00	0.83	0.193	(0.268)	0.174	0.019
181	15.08	0.80	0.185	(0.267)	0.167	0.019
182	15.17	0.80	0.185	(0.265)	0.167	0.019
183	15.25	0.80	0.185	(0.264)	0.167	0.019
184	15.33	0.77	0.178	(0.263)	0.160	0.018
185	15.42	0.77	0.178	(0.261)	0.160	0.018
186	15.50	0.77	0.178	(0.260)	0.160	0.018
187	15.58	0.63	0.147	(0.259)	0.132	0.015
188	15.67	0.63	0.147	(0.257)	0.132	0.015
189	15.75	0.63	0.147	(0.256)	0.132	0.015
190	15.83	0.63	0.147	(0.255)	0.132	0.015
191	15.92	0.63	0.147	(0.253)	0.132	0.015
192	16.00	0.63	0.147	(0.252)	0.132	0.015
193	16.08	0.13	0.031	(0.251)	0.028	0.003
194	16.17	0.13	0.031	(0.249)	0.028	0.003

195	16.25	0.13	0.031	(0.248)	0.028	0.003
196	16.33	0.13	0.031	(0.247)	0.028	0.003
197	16.42	0.13	0.031	(0.246)	0.028	0.003
198	16.50	0.13	0.031	(0.244)	0.028	0.003
199	16.58	0.10	0.023	(0.243)	0.021	0.002
200	16.67	0.10	0.023	(0.242)	0.021	0.002
201	16.75	0.10	0.023	(0.241)	0.021	0.002
202	16.83	0.10	0.023	(0.239)	0.021	0.002
203	16.92	0.10	0.023	(0.238)	0.021	0.002
204	17.00	0.10	0.023	(0.237)	0.021	0.002
205	17.08	0.17	0.039	(0.236)	0.035	0.004
206	17.17	0.17	0.039	(0.235)	0.035	0.004
207	17.25	0.17	0.039	(0.233)	0.035	0.004
208	17.33	0.17	0.039	(0.232)	0.035	0.004
209	17.42	0.17	0.039	(0.231)	0.035	0.004
210	17.50	0.17	0.039	(0.230)	0.035	0.004
211	17.58	0.17	0.039	(0.229)	0.035	0.004
212	17.67	0.17	0.039	(0.228)	0.035	0.004
213	17.75	0.17	0.039	(0.227)	0.035	0.004
214	17.83	0.13	0.031	(0.225)	0.028	0.003
215	17.92	0.13	0.031	(0.224)	0.028	0.003
216	18.00	0.13	0.031	(0.223)	0.028	0.003
217	18.08	0.13	0.031	(0.222)	0.028	0.003
218	18.17	0.13	0.031	(0.221)	0.028	0.003
219	18.25	0.13	0.031	(0.220)	0.028	0.003
220	18.33	0.13	0.031	(0.219)	0.028	0.003
221	18.42	0.13	0.031	(0.218)	0.028	0.003
222	18.50	0.13	0.031	(0.217)	0.028	0.003
223	18.58	0.10	0.023	(0.216)	0.021	0.002
224	18.67	0.10	0.023	(0.215)	0.021	0.002
225	18.75	0.10	0.023	(0.214)	0.021	0.002
226	18.83	0.07	0.015	(0.213)	0.014	0.002
227	18.92	0.07	0.015	(0.212)	0.014	0.002
228	19.00	0.07	0.015	(0.211)	0.014	0.002
229	19.08	0.10	0.023	(0.210)	0.021	0.002
230	19.17	0.10	0.023	(0.209)	0.021	0.002
231	19.25	0.10	0.023	(0.208)	0.021	0.002
232	19.33	0.13	0.031	(0.207)	0.028	0.003
233	19.42	0.13	0.031	(0.206)	0.028	0.003
234	19.50	0.13	0.031	(0.205)	0.028	0.003
235	19.58	0.10	0.023	(0.204)	0.021	0.002
236	19.67	0.10	0.023	(0.203)	0.021	0.002
237	19.75	0.10	0.023	(0.202)	0.021	0.002
238	19.83	0.07	0.015	(0.201)	0.014	0.002
239	19.92	0.07	0.015	(0.200)	0.014	0.002
240	20.00	0.07	0.015	(0.199)	0.014	0.002
241	20.08	0.10	0.023	(0.198)	0.021	0.002
242	20.17	0.10	0.023	(0.197)	0.021	0.002
243	20.25	0.10	0.023	(0.197)	0.021	0.002
244	20.33	0.10	0.023	(0.196)	0.021	0.002

245	20.42	0.10	0.023	(0.195)	0.021	0.002
246	20.50	0.10	0.023	(0.194)	0.021	0.002
247	20.58	0.10	0.023	(0.193)	0.021	0.002
248	20.67	0.10	0.023	(0.192)	0.021	0.002
249	20.75	0.10	0.023	(0.192)	0.021	0.002
250	20.83	0.07	0.015	(0.191)	0.014	0.002
251	20.92	0.07	0.015	(0.190)	0.014	0.002
252	21.00	0.07	0.015	(0.189)	0.014	0.002
253	21.08	0.10	0.023	(0.189)	0.021	0.002
254	21.17	0.10	0.023	(0.188)	0.021	0.002
255	21.25	0.10	0.023	(0.187)	0.021	0.002
256	21.33	0.07	0.015	(0.186)	0.014	0.002
257	21.42	0.07	0.015	(0.186)	0.014	0.002
258	21.50	0.07	0.015	(0.185)	0.014	0.002
259	21.58	0.10	0.023	(0.184)	0.021	0.002
260	21.67	0.10	0.023	(0.184)	0.021	0.002
261	21.75	0.10	0.023	(0.183)	0.021	0.002
262	21.83	0.07	0.015	(0.182)	0.014	0.002
263	21.92	0.07	0.015	(0.182)	0.014	0.002
264	22.00	0.07	0.015	(0.181)	0.014	0.002
265	22.08	0.10	0.023	(0.181)	0.021	0.002
266	22.17	0.10	0.023	(0.180)	0.021	0.002
267	22.25	0.10	0.023	(0.179)	0.021	0.002
268	22.33	0.07	0.015	(0.179)	0.014	0.002
269	22.42	0.07	0.015	(0.178)	0.014	0.002
270	22.50	0.07	0.015	(0.178)	0.014	0.002
271	22.58	0.07	0.015	(0.177)	0.014	0.002
272	22.67	0.07	0.015	(0.177)	0.014	0.002
273	22.75	0.07	0.015	(0.176)	0.014	0.002
274	22.83	0.07	0.015	(0.176)	0.014	0.002
275	22.92	0.07	0.015	(0.175)	0.014	0.002
276	23.00	0.07	0.015	(0.175)	0.014	0.002
277	23.08	0.07	0.015	(0.175)	0.014	0.002
278	23.17	0.07	0.015	(0.174)	0.014	0.002
279	23.25	0.07	0.015	(0.174)	0.014	0.002
280	23.33	0.07	0.015	(0.173)	0.014	0.002
281	23.42	0.07	0.015	(0.173)	0.014	0.002
282	23.50	0.07	0.015	(0.173)	0.014	0.002
283	23.58	0.07	0.015	(0.173)	0.014	0.002
284	23.67	0.07	0.015	(0.172)	0.014	0.002
285	23.75	0.07	0.015	(0.172)	0.014	0.002
286	23.83	0.07	0.015	(0.172)	0.014	0.002
287	23.92	0.07	0.015	(0.172)	0.014	0.002
288	24.00	0.07	0.015	(0.172)	0.014	0.002

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.3

Flood volume = Effective rainfall 0.19(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 1.74(In)

Total soil loss = 0.353(Ac.Ft)

Total rainfall = 1.93(In)
 Flood volume = 1709.4 Cubic Feet
 Total soil loss = 15384.9 Cubic Feet

 Peak flow rate of this hydrograph = 0.065(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0000	0.00	Q				
0+15	0.0001	0.00	Q				
0+20	0.0001	0.00	Q				
0+25	0.0001	0.01	Q				
0+30	0.0002	0.01	Q				
0+35	0.0002	0.01	Q				
0+40	0.0002	0.01	Q				
0+45	0.0003	0.01	Q				
0+50	0.0003	0.01	Q				
0+55	0.0004	0.01	Q				
1+ 0	0.0004	0.01	Q				
1+ 5	0.0005	0.01	Q				
1+10	0.0005	0.01	Q				
1+15	0.0006	0.01	Q				
1+20	0.0006	0.01	Q				
1+25	0.0006	0.01	Q				
1+30	0.0007	0.01	Q				
1+35	0.0007	0.01	Q				
1+40	0.0007	0.01	Q				
1+45	0.0008	0.01	Q				
1+50	0.0008	0.01	Q				
1+55	0.0009	0.01	Q				
2+ 0	0.0009	0.01	Q				
2+ 5	0.0010	0.01	QV				
2+10	0.0010	0.01	QV				
2+15	0.0011	0.01	QV				
2+20	0.0011	0.01	QV				
2+25	0.0012	0.01	QV				
2+30	0.0012	0.01	QV				
2+35	0.0013	0.01	QV				
2+40	0.0014	0.01	QV				
2+45	0.0014	0.01	QV				
2+50	0.0015	0.01	QV				
2+55	0.0016	0.01	QV				

3+ 0	0.0016	0.01	QV				
3+ 5	0.0017	0.01	QV				
3+10	0.0018	0.01	QV				
3+15	0.0018	0.01	QV				
3+20	0.0019	0.01	QV				
3+25	0.0020	0.01	QV				
3+30	0.0020	0.01	Q V				
3+35	0.0021	0.01	Q V				
3+40	0.0022	0.01	Q V				
3+45	0.0022	0.01	Q V				
3+50	0.0023	0.01	Q V				
3+55	0.0024	0.01	Q V				
4+ 0	0.0024	0.01	Q V				
4+ 5	0.0025	0.01	Q V				
4+10	0.0026	0.01	Q V				
4+15	0.0027	0.01	Q V				
4+20	0.0028	0.01	Q V				
4+25	0.0028	0.01	Q V				
4+30	0.0029	0.01	Q V				
4+35	0.0030	0.01	Q V				
4+40	0.0031	0.01	Q V				
4+45	0.0032	0.01	Q V				
4+50	0.0033	0.01	Q V				
4+55	0.0034	0.01	Q V				
5+ 0	0.0035	0.02	Q V				
5+ 5	0.0036	0.01	Q V				
5+10	0.0037	0.01	Q V				
5+15	0.0038	0.01	Q V				
5+20	0.0039	0.01	Q V				
5+25	0.0039	0.01	Q V				
5+30	0.0040	0.01	Q V				
5+35	0.0041	0.01	Q V				
5+40	0.0042	0.01	Q V				
5+45	0.0043	0.02	Q V				
5+50	0.0044	0.02	Q V				
5+55	0.0045	0.02	Q V				
6+ 0	0.0047	0.02	Q V				
6+ 5	0.0048	0.02	Q V				
6+10	0.0049	0.02	Q V				
6+15	0.0050	0.02	Q V				
6+20	0.0051	0.02	Q V				
6+25	0.0052	0.02	Q V				
6+30	0.0053	0.02	Q V				
6+35	0.0055	0.02	Q V				
6+40	0.0056	0.02	Q V				
6+45	0.0057	0.02	Q V				
6+50	0.0059	0.02	Q V				
6+55	0.0060	0.02	Q V				
7+ 0	0.0061	0.02	Q V				
7+ 5	0.0063	0.02	Q V				

7+10	0.0064	0.02	Q	V				
7+15	0.0065	0.02	Q	V				
7+20	0.0066	0.02	Q	V				
7+25	0.0068	0.02	Q	V				
7+30	0.0069	0.02	Q	V				
7+35	0.0071	0.02	Q	V				
7+40	0.0072	0.02	Q	V				
7+45	0.0074	0.02	Q	V				
7+50	0.0076	0.02	Q	V				
7+55	0.0077	0.02	Q	V				
8+ 0	0.0079	0.02	Q	V				
8+ 5	0.0081	0.03	Q	V				
8+10	0.0083	0.03	Q	V				
8+15	0.0085	0.03	Q	V				
8+20	0.0086	0.03	Q	V				
8+25	0.0088	0.03	Q	V				
8+30	0.0090	0.03	Q	V				
8+35	0.0092	0.03	Q	V				
8+40	0.0094	0.03	Q	V				
8+45	0.0097	0.03	Q	V				
8+50	0.0099	0.03	Q	V				
8+55	0.0101	0.03	Q	V				
9+ 0	0.0103	0.03	Q	V				
9+ 5	0.0105	0.03	Q	V				
9+10	0.0108	0.04	Q	V				
9+15	0.0110	0.04	Q	V				
9+20	0.0113	0.04	Q	V				
9+25	0.0115	0.04	Q	V				
9+30	0.0118	0.04	Q	V				
9+35	0.0121	0.04	Q	V				
9+40	0.0123	0.04	Q	V				
9+45	0.0126	0.04	Q	V				
9+50	0.0129	0.04	Q	V				
9+55	0.0132	0.04	Q	V				
10+ 0	0.0135	0.04	Q	V				
10+ 5	0.0137	0.04	Q	V				
10+10	0.0139	0.03	Q	V				
10+15	0.0141	0.03	Q	V				
10+20	0.0143	0.03	Q	V				
10+25	0.0145	0.03	Q	V				
10+30	0.0147	0.03	Q	V				
10+35	0.0150	0.03	Q	V				
10+40	0.0152	0.04	Q	V				
10+45	0.0155	0.04	Q	V				
10+50	0.0157	0.04	Q	V				
10+55	0.0160	0.04	Q	V				
11+ 0	0.0162	0.04	Q	V				
11+ 5	0.0165	0.04	Q	V				
11+10	0.0167	0.04	Q	V				
11+15	0.0170	0.04	Q	V				

11+20	0.0172	0.04	Q	V			
11+25	0.0175	0.04	Q	V			
11+30	0.0177	0.04	Q	V			
11+35	0.0180	0.03	Q	V			
11+40	0.0182	0.03	Q	V			
11+45	0.0184	0.03	Q	V			
11+50	0.0187	0.03	Q	V			
11+55	0.0189	0.03	Q	V			
12+ 0	0.0191	0.03	Q	V			
12+ 5	0.0194	0.04	Q	V			
12+10	0.0197	0.05	Q	V			
12+15	0.0200	0.05	Q	V			
12+20	0.0204	0.05	Q	V			
12+25	0.0207	0.05	Q	V			
12+30	0.0210	0.05	Q	V			
12+35	0.0214	0.05	Q	V			
12+40	0.0217	0.05	Q	V			
12+45	0.0221	0.05	Q	V			
12+50	0.0225	0.05	Q	V			
12+55	0.0229	0.05	Q	V			
13+ 0	0.0232	0.05	Q	V			
13+ 5	0.0236	0.06	Q	V			
13+10	0.0241	0.06	Q	V			
13+15	0.0245	0.06	Q	V			
13+20	0.0250	0.06	Q	V			
13+25	0.0254	0.06	Q	V			
13+30	0.0258	0.06	Q	V			
13+35	0.0262	0.06	Q	V			
13+40	0.0266	0.05	Q	V			
13+45	0.0269	0.05	Q	V			
13+50	0.0272	0.04	Q	V			
13+55	0.0275	0.04	Q	V			
14+ 0	0.0278	0.04	Q	V			
14+ 5	0.0281	0.05	Q	V			
14+10	0.0284	0.05	Q	V			
14+15	0.0288	0.05	Q	V			
14+20	0.0291	0.05	Q	V			
14+25	0.0295	0.05	Q	V			
14+30	0.0298	0.05	Q	V			
14+35	0.0302	0.05	Q	V			
14+40	0.0305	0.05	Q	V			
14+45	0.0308	0.05	Q	V			
14+50	0.0312	0.05	Q	V			
14+55	0.0315	0.05	Q	V			
15+ 0	0.0318	0.05	Q	V			
15+ 5	0.0322	0.05	Q	V			
15+10	0.0325	0.05	Q	V			
15+15	0.0328	0.05	Q	V			
15+20	0.0331	0.04	Q	V			
15+25	0.0334	0.04	Q	V			

15+30	0.0337	0.04	Q				V
15+35	0.0340	0.04	Q				V
15+40	0.0342	0.04	Q				V
15+45	0.0345	0.04	Q				V
15+50	0.0348	0.04	Q				V
15+55	0.0350	0.04	Q				V
16+ 0	0.0352	0.04	Q				V
16+ 5	0.0354	0.03	Q				V
16+10	0.0355	0.01	Q				V
16+15	0.0356	0.01	Q				V
16+20	0.0356	0.01	Q				V
16+25	0.0357	0.01	Q				V
16+30	0.0357	0.01	Q				V
16+35	0.0358	0.01	Q				V
16+40	0.0358	0.01	Q				V
16+45	0.0359	0.01	Q				V
16+50	0.0359	0.01	Q				V
16+55	0.0359	0.01	Q				V
17+ 0	0.0360	0.01	Q				V
17+ 5	0.0360	0.01	Q				V
17+10	0.0361	0.01	Q				V
17+15	0.0362	0.01	Q				V
17+20	0.0362	0.01	Q				V
17+25	0.0363	0.01	Q				V
17+30	0.0364	0.01	Q				V
17+35	0.0364	0.01	Q				V
17+40	0.0365	0.01	Q				V
17+45	0.0366	0.01	Q				V
17+50	0.0366	0.01	Q				V
17+55	0.0367	0.01	Q				V
18+ 0	0.0367	0.01	Q				V
18+ 5	0.0368	0.01	Q				V
18+10	0.0368	0.01	Q				V
18+15	0.0369	0.01	Q				V
18+20	0.0369	0.01	Q				V
18+25	0.0370	0.01	Q				V
18+30	0.0370	0.01	Q				V
18+35	0.0371	0.01	Q				V
18+40	0.0371	0.01	Q				V
18+45	0.0372	0.01	Q				V
18+50	0.0372	0.01	Q				V
18+55	0.0372	0.00	Q				V
19+ 0	0.0373	0.00	Q				V
19+ 5	0.0373	0.00	Q				V
19+10	0.0373	0.01	Q				V
19+15	0.0374	0.01	Q				V
19+20	0.0374	0.01	Q				V
19+25	0.0375	0.01	Q				V
19+30	0.0375	0.01	Q				V
19+35	0.0376	0.01	Q				V

19+40	0.0376	0.01	Q				V
19+45	0.0376	0.01	Q				V
19+50	0.0377	0.01	Q				V
19+55	0.0377	0.00	Q				V
20+ 0	0.0377	0.00	Q				V
20+ 5	0.0378	0.00	Q				V
20+10	0.0378	0.01	Q				V
20+15	0.0378	0.01	Q				V
20+20	0.0379	0.01	Q				V
20+25	0.0379	0.01	Q				V
20+30	0.0380	0.01	Q				V
20+35	0.0380	0.01	Q				V
20+40	0.0380	0.01	Q				V
20+45	0.0381	0.01	Q				V
20+50	0.0381	0.01	Q				V
20+55	0.0381	0.00	Q				V
21+ 0	0.0382	0.00	Q				V
21+ 5	0.0382	0.00	Q				V
21+10	0.0382	0.01	Q				V
21+15	0.0383	0.01	Q				V
21+20	0.0383	0.00	Q				V
21+25	0.0383	0.00	Q				V
21+30	0.0384	0.00	Q				V
21+35	0.0384	0.00	Q				V
21+40	0.0384	0.01	Q				V
21+45	0.0385	0.01	Q				V
21+50	0.0385	0.00	Q				V
21+55	0.0385	0.00	Q				V
22+ 0	0.0386	0.00	Q				V
22+ 5	0.0386	0.00	Q				V
22+10	0.0386	0.01	Q				V
22+15	0.0387	0.01	Q				V
22+20	0.0387	0.00	Q				V
22+25	0.0387	0.00	Q				V
22+30	0.0387	0.00	Q				V
22+35	0.0388	0.00	Q				V
22+40	0.0388	0.00	Q				V
22+45	0.0388	0.00	Q				V
22+50	0.0389	0.00	Q				V
22+55	0.0389	0.00	Q				V
23+ 0	0.0389	0.00	Q				V
23+ 5	0.0389	0.00	Q				V
23+10	0.0390	0.00	Q				V
23+15	0.0390	0.00	Q				V
23+20	0.0390	0.00	Q				V
23+25	0.0390	0.00	Q				V
23+30	0.0391	0.00	Q				V
23+35	0.0391	0.00	Q				V
23+40	0.0391	0.00	Q				V
23+45	0.0391	0.00	Q				V

23+50	0.0392	0.00	Q				V
23+55	0.0392	0.00	Q				V
24+ 0	0.0392	0.00	Q				V
24+ 5	0.0392	0.00	Q				V
24+10	0.0392	0.00	Q				V
24+15	0.0392	0.00	Q				V
24+20	0.0392	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda462.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.343)	0.061	0.007
2	0.17	0.60	0.081	(0.343)	0.073	0.008
3	0.25	0.60	0.081	(0.343)	0.073	0.008
4	0.33	0.60	0.081	(0.343)	0.073	0.008
5	0.42	0.60	0.081	(0.343)	0.073	0.008
6	0.50	0.70	0.095	(0.343)	0.085	0.009
7	0.58	0.70	0.095	(0.343)	0.085	0.009
8	0.67	0.70	0.095	(0.343)	0.085	0.009
9	0.75	0.70	0.095	(0.343)	0.085	0.009
10	0.83	0.70	0.095	(0.343)	0.085	0.009
11	0.92	0.70	0.095	(0.343)	0.085	0.009
12	1.00	0.80	0.108	(0.343)	0.098	0.011
13	1.08	0.80	0.108	(0.343)	0.098	0.011
14	1.17	0.80	0.108	(0.343)	0.098	0.011
15	1.25	0.80	0.108	(0.343)	0.098	0.011
16	1.33	0.80	0.108	(0.343)	0.098	0.011
17	1.42	0.80	0.108	(0.343)	0.098	0.011
18	1.50	0.80	0.108	(0.343)	0.098	0.011
19	1.58	0.80	0.108	(0.343)	0.098	0.011
20	1.67	0.80	0.108	(0.343)	0.098	0.011
21	1.75	0.80	0.108	(0.343)	0.098	0.011
22	1.83	0.80	0.108	(0.343)	0.098	0.011
23	1.92	0.80	0.108	(0.343)	0.098	0.011
24	2.00	0.90	0.122	(0.343)	0.110	0.012
25	2.08	0.80	0.108	(0.343)	0.098	0.011
26	2.17	0.90	0.122	(0.343)	0.110	0.012
27	2.25	0.90	0.122	(0.343)	0.110	0.012
28	2.33	0.90	0.122	(0.343)	0.110	0.012
29	2.42	0.90	0.122	(0.343)	0.110	0.012
30	2.50	0.90	0.122	(0.343)	0.110	0.012
31	2.58	0.90	0.122	(0.343)	0.110	0.012
32	2.67	0.90	0.122	(0.343)	0.110	0.012
33	2.75	1.00	0.136	(0.343)	0.122	0.014
34	2.83	1.00	0.136	(0.343)	0.122	0.014
35	2.92	1.00	0.136	(0.343)	0.122	0.014
36	3.00	1.00	0.136	(0.343)	0.122	0.014
37	3.08	1.00	0.136	(0.343)	0.122	0.014
38	3.17	1.10	0.149	(0.343)	0.134	0.015
39	3.25	1.10	0.149	(0.343)	0.134	0.015
40	3.33	1.10	0.149	(0.343)	0.134	0.015
41	3.42	1.20	0.163	(0.343)	0.146	0.016
42	3.50	1.30	0.176	(0.343)	0.159	0.018
43	3.58	1.40	0.190	(0.343)	0.171	0.019
44	3.67	1.40	0.190	(0.343)	0.171	0.019

45	3.75	1.50	0.203	(0.343)	0.183	0.020
46	3.83	1.50	0.203	(0.343)	0.183	0.020
47	3.92	1.60	0.217	(0.343)	0.195	0.022
48	4.00	1.60	0.217	(0.343)	0.195	0.022
49	4.08	1.70	0.231	(0.343)	0.207	0.023
50	4.17	1.80	0.244	(0.343)	0.220	0.024
51	4.25	1.90	0.258	(0.343)	0.232	0.026
52	4.33	2.00	0.271	(0.343)	0.244	0.027
53	4.42	2.10	0.285	(0.343)	0.256	0.028
54	4.50	2.10	0.285	(0.343)	0.256	0.028
55	4.58	2.20	0.298	(0.343)	0.268	0.030
56	4.67	2.30	0.312	(0.343)	0.281	0.031
57	4.75	2.40	0.325	(0.343)	0.293	0.033
58	4.83	2.40	0.325	(0.343)	0.293	0.033
59	4.92	2.50	0.339	(0.343)	0.305	0.034
60	5.00	2.60	0.353	(0.343)	0.317	0.035
61	5.08	3.10	0.420	0.343 (0.378)		0.077
62	5.17	3.60	0.488	0.343 (0.439)		0.145
63	5.25	3.90	0.529	0.343 (0.476)		0.186
64	5.33	4.20	0.570	0.343 (0.513)		0.226
65	5.42	4.70	0.637	0.343 (0.574)		0.294
66	5.50	5.60	0.759	0.343 (0.683)		0.416
67	5.58	1.90	0.258	(0.343)	0.232	0.026
68	5.67	0.90	0.122	(0.343)	0.110	0.012
69	5.75	0.60	0.081	(0.343)	0.073	0.008
70	5.83	0.50	0.068	(0.343)	0.061	0.007
71	5.92	0.30	0.041	(0.343)	0.037	0.004
72	6.00	0.20	0.027	(0.343)	0.024	0.003

(Loss Rate Not Used)

Sum = 100.0 Sum = 2.4

Flood volume = Effective rainfall 0.20(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)
Total soil loss = 0.93(In)
Total soil loss = 0.190(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 1742.2 Cubic Feet
Total soil loss = 8266.3 Cubic Feet

Peak flow rate of this hydrograph = 0.792(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				

0+10	0.0001	0.01	Q				
0+15	0.0003	0.02	Q				
0+20	0.0004	0.02	Q				
0+25	0.0005	0.02	Q				
0+30	0.0007	0.02	Q				
0+35	0.0008	0.02	Q				
0+40	0.0010	0.02	QV				
0+45	0.0012	0.02	QV				
0+50	0.0013	0.02	QV				
0+55	0.0015	0.02	QV				
1+ 0	0.0017	0.02	QV				
1+ 5	0.0018	0.03	QV				
1+10	0.0020	0.03	Q V				
1+15	0.0022	0.03	Q V				
1+20	0.0024	0.03	Q V				
1+25	0.0026	0.03	Q V				
1+30	0.0027	0.03	Q V				
1+35	0.0029	0.03	Q V				
1+40	0.0031	0.03	Q V				
1+45	0.0033	0.03	Q V				
1+50	0.0035	0.03	Q V				
1+55	0.0037	0.03	Q V				
2+ 0	0.0039	0.03	Q V				
2+ 5	0.0041	0.03	Q V				
2+10	0.0042	0.03	Q V				
2+15	0.0045	0.03	Q V				
2+20	0.0047	0.03	Q V				
2+25	0.0049	0.03	Q V				
2+30	0.0051	0.03	Q V				
2+35	0.0053	0.03	Q V				
2+40	0.0055	0.03	Q V				
2+45	0.0057	0.03	Q V				
2+50	0.0059	0.03	Q V				
2+55	0.0062	0.03	Q V				
3+ 0	0.0064	0.03	Q V				
3+ 5	0.0066	0.03	Q V				
3+10	0.0069	0.03	Q V				
3+15	0.0071	0.04	Q V				
3+20	0.0074	0.04	Q V				
3+25	0.0076	0.04	Q V				
3+30	0.0079	0.04	Q V				
3+35	0.0082	0.04	Q V				
3+40	0.0085	0.05	Q V				
3+45	0.0088	0.05	Q V				
3+50	0.0092	0.05	Q V				
3+55	0.0095	0.05	Q V				
4+ 0	0.0099	0.05	Q V				
4+ 5	0.0103	0.05	Q V				
4+10	0.0107	0.06	Q V				
4+15	0.0111	0.06	Q V				

4+20	0.0115	0.06	Q	V				
4+25	0.0120	0.07	Q	V				
4+30	0.0124	0.07	Q	V				
4+35	0.0129	0.07	Q	V				
4+40	0.0134	0.07	Q	V				
4+45	0.0140	0.08	Q	V				
4+50	0.0145	0.08	Q	V				
4+55	0.0151	0.08	Q	V				
5+ 0	0.0157	0.08	Q	V				
5+ 5	0.0165	0.12	Q	V				
5+10	0.0181	0.23	Q	V				
5+15	0.0205	0.36	Q	V				
5+20	0.0237	0.46	Q		V			
5+25	0.0278	0.59	Q			V		
5+30	0.0332	0.79	Q				V	
5+35	0.0374	0.61	Q					V
5+40	0.0388	0.20	Q					V
5+45	0.0394	0.09	Q					V
5+50	0.0398	0.05	Q					V
5+55	0.0399	0.02	Q					V
6+ 0	0.0399	0.01	Q					V
6+ 5	0.0400	0.01	Q					V
6+10	0.0400	0.00	Q					V
6+15	0.0400	0.00	Q					V
6+20	0.0400	0.00	Q					V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda432.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.343)	0.115	0.013
2	0.17	1.30	0.127	(0.343)	0.115	0.013
3	0.25	1.10	0.108	(0.343)	0.097	0.011
4	0.33	1.50	0.147	(0.343)	0.132	0.015
5	0.42	1.50	0.147	(0.343)	0.132	0.015
6	0.50	1.80	0.176	(0.343)	0.159	0.018
7	0.58	1.50	0.147	(0.343)	0.132	0.015
8	0.67	1.80	0.176	(0.343)	0.159	0.018
9	0.75	1.80	0.176	(0.343)	0.159	0.018
10	0.83	1.50	0.147	(0.343)	0.132	0.015
11	0.92	1.60	0.157	(0.343)	0.141	0.016
12	1.00	1.80	0.176	(0.343)	0.159	0.018
13	1.08	2.20	0.216	(0.343)	0.194	0.022
14	1.17	2.20	0.216	(0.343)	0.194	0.022
15	1.25	2.20	0.216	(0.343)	0.194	0.022
16	1.33	2.00	0.196	(0.343)	0.176	0.020
17	1.42	2.60	0.255	(0.343)	0.229	0.025
18	1.50	2.70	0.265	(0.343)	0.238	0.026
19	1.58	2.40	0.235	(0.343)	0.212	0.024
20	1.67	2.70	0.265	(0.343)	0.238	0.026
21	1.75	3.30	0.324	(0.343)	0.291	0.032
22	1.83	3.10	0.304	(0.343)	0.274	0.030
23	1.92	2.90	0.284	(0.343)	0.256	0.028
24	2.00	3.00	0.294	(0.343)	0.265	0.029
25	2.08	3.10	0.304	(0.343)	0.274	0.030
26	2.17	4.20	0.412	0.343	(0.371)	0.069
27	2.25	5.00	0.490	0.343	(0.441)	0.147
28	2.33	3.50	0.343	(0.343)	0.309	0.034
29	2.42	6.80	0.667	0.343	(0.600)	0.324
30	2.50	7.30	0.716	0.343	(0.644)	0.373
31	2.58	8.20	0.804	0.343	(0.724)	0.461
32	2.67	5.90	0.578	0.343	(0.521)	0.235
33	2.75	2.00	0.196	(0.343)	0.176	0.020
34	2.83	1.80	0.176	(0.343)	0.159	0.018
35	2.92	1.80	0.176	(0.343)	0.159	0.018
36	3.00	0.60	0.059	(0.343)	0.053	0.006

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.2

Flood volume = Effective rainfall 0.19(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.0(Ac.Ft)

Total soil loss = 0.63(In)

Total soil loss = 0.128(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 1639.8 Cubic Feet

Total soil loss = 5596.4 Cubic Feet

Peak flow rate of this hydrograph = 0.929(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.01	Q				
0+10	0.0003		0.03	Q				
0+15	0.0004		0.03	Q				
0+20	0.0006		0.03	Q				
0+25	0.0009		0.03	Q				
0+30	0.0012		0.04	QV				
0+35	0.0014		0.04	QV				
0+40	0.0017		0.04	QV				
0+45	0.0020		0.04	Q V				
0+50	0.0023		0.04	Q V				
0+55	0.0025		0.04	Q V				
1+ 0	0.0028		0.04	Q V				
1+ 5	0.0031		0.05	Q V				
1+10	0.0035		0.05	Q V				
1+15	0.0038		0.05	Q V				
1+20	0.0042		0.05	Q V				
1+25	0.0046		0.05	Q V				
1+30	0.0050		0.06	Q V				
1+35	0.0054		0.06	Q V				
1+40	0.0058		0.06	Q V				
1+45	0.0063		0.07	Q V				
1+50	0.0068		0.07	Q V				
1+55	0.0073		0.07	Q V				
2+ 0	0.0078		0.07	Q V				
2+ 5	0.0083		0.07	Q V				
2+10	0.0091		0.11	Q V				
2+15	0.0106		0.22	Q V				
2+20	0.0121		0.22	Q V				
2+25	0.0147		0.37	Q V				
2+30	0.0197		0.73	Q V				
2+35	0.0261		0.93	Q V				
2+40	0.0321		0.87	Q V				
2+45	0.0353		0.47	Q V				
2+50	0.0365		0.18	Q V				
2+55	0.0372		0.10	Q V				
3+ 0	0.0375		0.05	Q V				
3+ 5	0.0376		0.01	Q V				

3+10	0.0376	0.00	Q				V
3+15	0.0376	0.00	Q				V
3+20	0.0376	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249preda412.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Pre Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 542.03(Ft.)
Length along longest watercourse measured to centroid = 249.17(Ft.)
Length along longest watercourse = 0.103 Mi.
Length along longest watercourse measured to centroid = 0.047 Mi.
Difference in elevation = 2.64(Ft.)
Slope along watercourse = 25.7167 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.051 Hr.
Lag time = 3.08 Min.
25% of lag time = 0.77 Min.
40% of lag time = 1.23 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	86.00	0.000

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
Sum (F) =						0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	162.567	36.083
2	0.167	325.133	46.075
3	0.250	487.700	10.501
4	0.333	650.267	4.500
5	0.417	812.833	2.841
Sum =		100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective (In/Hr)
	(Hr.)	Percent	(In/Hr)	Max	Low	
1	0.08	4.20	0.236	(0.343)	0.212	0.024
2	0.17	4.30	0.241	(0.343)	0.217	0.024
3	0.25	5.00	0.281	(0.343)	0.253	0.028
4	0.33	5.00	0.281	(0.343)	0.253	0.028
5	0.42	5.80	0.326	(0.343)	0.293	0.033
6	0.50	6.50	0.365	(0.343)	0.329	0.037
7	0.58	7.40	0.416	0.343	(0.374)	0.072
8	0.67	8.60	0.483	0.343	(0.435)	0.140
9	0.75	12.30	0.691	0.343	(0.622)	0.348
10	0.83	29.10	1.634	0.343	(1.471)	1.291
11	0.92	6.80	0.382	0.343	(0.344)	0.039
12	1.00	5.00	0.281	(0.343)	0.253	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 2.1

Flood volume = Effective rainfall $0.17(\text{In})$

$$\text{times area} \quad 2.4(\text{Ac.})/[(\text{In})/(\text{Ft.})] = \quad 0.0(\text{Ac.Ft})$$

Total soil loss = 0.29(In)

Total soil loss = 0.060 (Ac.Ft)

Total rainfall = 0.47(In)

Flood volume = 1543.2 Cubic Feet

Total soil loss = 2601.8 Cubic Feet

Peak flow rate of this hydrograph = 1.608(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	θ	2.5	5.0	7.5	10.0
0+ 5	0.0001		0.02	Q				
0+10	0.0005		0.05	Q				
0+15	0.0009		0.06	Q				
0+20	0.0013		0.07	QV				
0+25	0.0018		0.07	Q V				
0+30	0.0024		0.08	Q V				
0+35	0.0032		0.12	Q V				
0+40	0.0047		0.22	Q V				
0+45	0.0081		0.49	Q V				

0+50	0.0191	1.59		Q			V		
0+55	0.0301	1.61		Q				V	
1+ 0	0.0332	0.45	Q					V	
1+ 5	0.0347	0.21	Q					V	
1+10	0.0354	0.10	Q					V	
1+15	0.0354	0.01	Q					V	
1+20	0.0354	0.00	Q					V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda424100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.930(In)

Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 4.710(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 4.710(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.038	(0.096)	0.010	0.028
2	0.17	0.07	0.038	(0.096)	0.010	0.028
3	0.25	0.07	0.038	(0.095)	0.010	0.028
4	0.33	0.10	0.057	(0.095)	0.015	0.042
5	0.42	0.10	0.057	(0.095)	0.015	0.042
6	0.50	0.10	0.057	(0.094)	0.015	0.042
7	0.58	0.10	0.057	(0.094)	0.015	0.042
8	0.67	0.10	0.057	(0.094)	0.015	0.042
9	0.75	0.10	0.057	(0.093)	0.015	0.042
10	0.83	0.13	0.075	(0.093)	0.020	0.056
11	0.92	0.13	0.075	(0.093)	0.020	0.056
12	1.00	0.13	0.075	(0.092)	0.020	0.056
13	1.08	0.10	0.057	(0.092)	0.015	0.042
14	1.17	0.10	0.057	(0.091)	0.015	0.042
15	1.25	0.10	0.057	(0.091)	0.015	0.042
16	1.33	0.10	0.057	(0.091)	0.015	0.042
17	1.42	0.10	0.057	(0.090)	0.015	0.042
18	1.50	0.10	0.057	(0.090)	0.015	0.042
19	1.58	0.10	0.057	(0.090)	0.015	0.042
20	1.67	0.10	0.057	(0.089)	0.015	0.042
21	1.75	0.10	0.057	(0.089)	0.015	0.042
22	1.83	0.13	0.075	(0.089)	0.020	0.056
23	1.92	0.13	0.075	(0.088)	0.020	0.056
24	2.00	0.13	0.075	(0.088)	0.020	0.056
25	2.08	0.13	0.075	(0.087)	0.020	0.056
26	2.17	0.13	0.075	(0.087)	0.020	0.056
27	2.25	0.13	0.075	(0.087)	0.020	0.056
28	2.33	0.13	0.075	(0.086)	0.020	0.056
29	2.42	0.13	0.075	(0.086)	0.020	0.056
30	2.50	0.13	0.075	(0.086)	0.020	0.056
31	2.58	0.17	0.094	(0.085)	0.024	0.070
32	2.67	0.17	0.094	(0.085)	0.024	0.070
33	2.75	0.17	0.094	(0.085)	0.024	0.070
34	2.83	0.17	0.094	(0.084)	0.024	0.070
35	2.92	0.17	0.094	(0.084)	0.024	0.070
36	3.00	0.17	0.094	(0.084)	0.024	0.070
37	3.08	0.17	0.094	(0.083)	0.024	0.070
38	3.17	0.17	0.094	(0.083)	0.024	0.070
39	3.25	0.17	0.094	(0.083)	0.024	0.070
40	3.33	0.17	0.094	(0.082)	0.024	0.070
41	3.42	0.17	0.094	(0.082)	0.024	0.070
42	3.50	0.17	0.094	(0.082)	0.024	0.070
43	3.58	0.17	0.094	(0.081)	0.024	0.070
44	3.67	0.17	0.094	(0.081)	0.024	0.070
45	3.75	0.17	0.094	(0.081)	0.024	0.070
46	3.83	0.20	0.113	(0.080)	0.029	0.084

47	3.92	0.20	0.113	(0.080)	0.029	0.084
48	4.00	0.20	0.113	(0.080)	0.029	0.084
49	4.08	0.20	0.113	(0.079)	0.029	0.084
50	4.17	0.20	0.113	(0.079)	0.029	0.084
51	4.25	0.20	0.113	(0.079)	0.029	0.084
52	4.33	0.23	0.132	(0.078)	0.034	0.098
53	4.42	0.23	0.132	(0.078)	0.034	0.098
54	4.50	0.23	0.132	(0.078)	0.034	0.098
55	4.58	0.23	0.132	(0.077)	0.034	0.098
56	4.67	0.23	0.132	(0.077)	0.034	0.098
57	4.75	0.23	0.132	(0.077)	0.034	0.098
58	4.83	0.27	0.151	(0.076)	0.039	0.112
59	4.92	0.27	0.151	(0.076)	0.039	0.112
60	5.00	0.27	0.151	(0.076)	0.039	0.112
61	5.08	0.20	0.113	(0.075)	0.029	0.084
62	5.17	0.20	0.113	(0.075)	0.029	0.084
63	5.25	0.20	0.113	(0.075)	0.029	0.084
64	5.33	0.23	0.132	(0.074)	0.034	0.098
65	5.42	0.23	0.132	(0.074)	0.034	0.098
66	5.50	0.23	0.132	(0.074)	0.034	0.098
67	5.58	0.27	0.151	(0.073)	0.039	0.112
68	5.67	0.27	0.151	(0.073)	0.039	0.112
69	5.75	0.27	0.151	(0.073)	0.039	0.112
70	5.83	0.27	0.151	(0.072)	0.039	0.112
71	5.92	0.27	0.151	(0.072)	0.039	0.112
72	6.00	0.27	0.151	(0.072)	0.039	0.112
73	6.08	0.30	0.170	(0.071)	0.044	0.125
74	6.17	0.30	0.170	(0.071)	0.044	0.125
75	6.25	0.30	0.170	(0.071)	0.044	0.125
76	6.33	0.30	0.170	(0.070)	0.044	0.125
77	6.42	0.30	0.170	(0.070)	0.044	0.125
78	6.50	0.30	0.170	(0.070)	0.044	0.125
79	6.58	0.33	0.188	(0.069)	0.049	0.139
80	6.67	0.33	0.188	(0.069)	0.049	0.139
81	6.75	0.33	0.188	(0.069)	0.049	0.139
82	6.83	0.33	0.188	(0.068)	0.049	0.139
83	6.92	0.33	0.188	(0.068)	0.049	0.139
84	7.00	0.33	0.188	(0.068)	0.049	0.139
85	7.08	0.33	0.188	(0.068)	0.049	0.139
86	7.17	0.33	0.188	(0.067)	0.049	0.139
87	7.25	0.33	0.188	(0.067)	0.049	0.139
88	7.33	0.37	0.207	(0.067)	0.054	0.153
89	7.42	0.37	0.207	(0.066)	0.054	0.153
90	7.50	0.37	0.207	(0.066)	0.054	0.153
91	7.58	0.40	0.226	(0.066)	0.059	0.167
92	7.67	0.40	0.226	(0.065)	0.059	0.167
93	7.75	0.40	0.226	(0.065)	0.059	0.167
94	7.83	0.43	0.245	(0.065)	0.064	0.181
95	7.92	0.43	0.245	(0.065)	0.064	0.181
96	8.00	0.43	0.245	(0.064)	0.064	0.181

97	8.08	0.50	0.283	0.064	(0.073)	0.219
98	8.17	0.50	0.283	0.064	(0.073)	0.219
99	8.25	0.50	0.283	0.063	(0.073)	0.219
100	8.33	0.50	0.283	0.063	(0.073)	0.220
101	8.42	0.50	0.283	0.063	(0.073)	0.220
102	8.50	0.50	0.283	0.062	(0.073)	0.220
103	8.58	0.53	0.301	0.062	(0.078)	0.239
104	8.67	0.53	0.301	0.062	(0.078)	0.240
105	8.75	0.53	0.301	0.062	(0.078)	0.240
106	8.83	0.57	0.320	0.061	(0.083)	0.259
107	8.92	0.57	0.320	0.061	(0.083)	0.259
108	9.00	0.57	0.320	0.061	(0.083)	0.260
109	9.08	0.63	0.358	0.060	(0.093)	0.298
110	9.17	0.63	0.358	0.060	(0.093)	0.298
111	9.25	0.63	0.358	0.060	(0.093)	0.298
112	9.33	0.67	0.377	0.060	(0.098)	0.317
113	9.42	0.67	0.377	0.059	(0.098)	0.318
114	9.50	0.67	0.377	0.059	(0.098)	0.318
115	9.58	0.70	0.396	0.059	(0.103)	0.337
116	9.67	0.70	0.396	0.058	(0.103)	0.337
117	9.75	0.70	0.396	0.058	(0.103)	0.337
118	9.83	0.73	0.414	0.058	(0.108)	0.357
119	9.92	0.73	0.414	0.058	(0.108)	0.357
120	10.00	0.73	0.414	0.057	(0.108)	0.357
121	10.08	0.50	0.283	0.057	(0.073)	0.226
122	10.17	0.50	0.283	0.057	(0.073)	0.226
123	10.25	0.50	0.283	0.056	(0.073)	0.226
124	10.33	0.50	0.283	0.056	(0.073)	0.226
125	10.42	0.50	0.283	0.056	(0.073)	0.227
126	10.50	0.50	0.283	0.056	(0.073)	0.227
127	10.58	0.67	0.377	0.055	(0.098)	0.321
128	10.67	0.67	0.377	0.055	(0.098)	0.322
129	10.75	0.67	0.377	0.055	(0.098)	0.322
130	10.83	0.67	0.377	0.055	(0.098)	0.322
131	10.92	0.67	0.377	0.054	(0.098)	0.322
132	11.00	0.67	0.377	0.054	(0.098)	0.323
133	11.08	0.63	0.358	0.054	(0.093)	0.304
134	11.17	0.63	0.358	0.054	(0.093)	0.304
135	11.25	0.63	0.358	0.053	(0.093)	0.305
136	11.33	0.63	0.358	0.053	(0.093)	0.305
137	11.42	0.63	0.358	0.053	(0.093)	0.305
138	11.50	0.63	0.358	0.052	(0.093)	0.305
139	11.58	0.57	0.320	0.052	(0.083)	0.268
140	11.67	0.57	0.320	0.052	(0.083)	0.268
141	11.75	0.57	0.320	0.052	(0.083)	0.269
142	11.83	0.60	0.339	0.051	(0.088)	0.288
143	11.92	0.60	0.339	0.051	(0.088)	0.288
144	12.00	0.60	0.339	0.051	(0.088)	0.288
145	12.08	0.83	0.471	0.051	(0.122)	0.420
146	12.17	0.83	0.471	0.050	(0.122)	0.421

147	12.25	0.83	0.471	0.050	(0.122)	0.421
148	12.33	0.87	0.490	0.050	(0.127)	0.440
149	12.42	0.87	0.490	0.050	(0.127)	0.440
150	12.50	0.87	0.490	0.049	(0.127)	0.440
151	12.58	0.93	0.528	0.049	(0.137)	0.478
152	12.67	0.93	0.528	0.049	(0.137)	0.479
153	12.75	0.93	0.528	0.049	(0.137)	0.479
154	12.83	0.97	0.546	0.048	(0.142)	0.498
155	12.92	0.97	0.546	0.048	(0.142)	0.498
156	13.00	0.97	0.546	0.048	(0.142)	0.498
157	13.08	1.13	0.641	0.048	(0.167)	0.593
158	13.17	1.13	0.641	0.047	(0.167)	0.593
159	13.25	1.13	0.641	0.047	(0.167)	0.593
160	13.33	1.13	0.641	0.047	(0.167)	0.594
161	13.42	1.13	0.641	0.047	(0.167)	0.594
162	13.50	1.13	0.641	0.046	(0.167)	0.594
163	13.58	0.77	0.433	0.046	(0.113)	0.387
164	13.67	0.77	0.433	0.046	(0.113)	0.387
165	13.75	0.77	0.433	0.046	(0.113)	0.388
166	13.83	0.77	0.433	0.046	(0.113)	0.388
167	13.92	0.77	0.433	0.045	(0.113)	0.388
168	14.00	0.77	0.433	0.045	(0.113)	0.388
169	14.08	0.90	0.509	0.045	(0.132)	0.464
170	14.17	0.90	0.509	0.045	(0.132)	0.464
171	14.25	0.90	0.509	0.044	(0.132)	0.464
172	14.33	0.87	0.490	0.044	(0.127)	0.446
173	14.42	0.87	0.490	0.044	(0.127)	0.446
174	14.50	0.87	0.490	0.044	(0.127)	0.446
175	14.58	0.87	0.490	0.043	(0.127)	0.446
176	14.67	0.87	0.490	0.043	(0.127)	0.447
177	14.75	0.87	0.490	0.043	(0.127)	0.447
178	14.83	0.83	0.471	0.043	(0.122)	0.428
179	14.92	0.83	0.471	0.043	(0.122)	0.428
180	15.00	0.83	0.471	0.042	(0.122)	0.429
181	15.08	0.80	0.452	0.042	(0.118)	0.410
182	15.17	0.80	0.452	0.042	(0.118)	0.410
183	15.25	0.80	0.452	0.042	(0.118)	0.410
184	15.33	0.77	0.433	0.042	(0.113)	0.392
185	15.42	0.77	0.433	0.041	(0.113)	0.392
186	15.50	0.77	0.433	0.041	(0.113)	0.392
187	15.58	0.63	0.358	0.041	(0.093)	0.317
188	15.67	0.63	0.358	0.041	(0.093)	0.317
189	15.75	0.63	0.358	0.040	(0.093)	0.317
190	15.83	0.63	0.358	0.040	(0.093)	0.318
191	15.92	0.63	0.358	0.040	(0.093)	0.318
192	16.00	0.63	0.358	0.040	(0.093)	0.318
193	16.08	0.13	0.075	(0.040)	0.020	0.056
194	16.17	0.13	0.075	(0.039)	0.020	0.056
195	16.25	0.13	0.075	(0.039)	0.020	0.056
196	16.33	0.13	0.075	(0.039)	0.020	0.056

197	16.42	0.13	0.075	(0.039)	0.020	0.056
198	16.50	0.13	0.075	(0.039)	0.020	0.056
199	16.58	0.10	0.057	(0.038)	0.015	0.042
200	16.67	0.10	0.057	(0.038)	0.015	0.042
201	16.75	0.10	0.057	(0.038)	0.015	0.042
202	16.83	0.10	0.057	(0.038)	0.015	0.042
203	16.92	0.10	0.057	(0.038)	0.015	0.042
204	17.00	0.10	0.057	(0.037)	0.015	0.042
205	17.08	0.17	0.094	(0.037)	0.024	0.070
206	17.17	0.17	0.094	(0.037)	0.024	0.070
207	17.25	0.17	0.094	(0.037)	0.024	0.070
208	17.33	0.17	0.094	(0.037)	0.024	0.070
209	17.42	0.17	0.094	(0.037)	0.024	0.070
210	17.50	0.17	0.094	(0.036)	0.024	0.070
211	17.58	0.17	0.094	(0.036)	0.024	0.070
212	17.67	0.17	0.094	(0.036)	0.024	0.070
213	17.75	0.17	0.094	(0.036)	0.024	0.070
214	17.83	0.13	0.075	(0.036)	0.020	0.056
215	17.92	0.13	0.075	(0.035)	0.020	0.056
216	18.00	0.13	0.075	(0.035)	0.020	0.056
217	18.08	0.13	0.075	(0.035)	0.020	0.056
218	18.17	0.13	0.075	(0.035)	0.020	0.056
219	18.25	0.13	0.075	(0.035)	0.020	0.056
220	18.33	0.13	0.075	(0.035)	0.020	0.056
221	18.42	0.13	0.075	(0.034)	0.020	0.056
222	18.50	0.13	0.075	(0.034)	0.020	0.056
223	18.58	0.10	0.057	(0.034)	0.015	0.042
224	18.67	0.10	0.057	(0.034)	0.015	0.042
225	18.75	0.10	0.057	(0.034)	0.015	0.042
226	18.83	0.07	0.038	(0.034)	0.010	0.028
227	18.92	0.07	0.038	(0.033)	0.010	0.028
228	19.00	0.07	0.038	(0.033)	0.010	0.028
229	19.08	0.10	0.057	(0.033)	0.015	0.042
230	19.17	0.10	0.057	(0.033)	0.015	0.042
231	19.25	0.10	0.057	(0.033)	0.015	0.042
232	19.33	0.13	0.075	(0.033)	0.020	0.056
233	19.42	0.13	0.075	(0.033)	0.020	0.056
234	19.50	0.13	0.075	(0.032)	0.020	0.056
235	19.58	0.10	0.057	(0.032)	0.015	0.042
236	19.67	0.10	0.057	(0.032)	0.015	0.042
237	19.75	0.10	0.057	(0.032)	0.015	0.042
238	19.83	0.07	0.038	(0.032)	0.010	0.028
239	19.92	0.07	0.038	(0.032)	0.010	0.028
240	20.00	0.07	0.038	(0.032)	0.010	0.028
241	20.08	0.10	0.057	(0.031)	0.015	0.042
242	20.17	0.10	0.057	(0.031)	0.015	0.042
243	20.25	0.10	0.057	(0.031)	0.015	0.042
244	20.33	0.10	0.057	(0.031)	0.015	0.042
245	20.42	0.10	0.057	(0.031)	0.015	0.042
246	20.50	0.10	0.057	(0.031)	0.015	0.042

247	20.58	0.10	0.057	(0.031)	0.015	0.042
248	20.67	0.10	0.057	(0.030)	0.015	0.042
249	20.75	0.10	0.057	(0.030)	0.015	0.042
250	20.83	0.07	0.038	(0.030)	0.010	0.028
251	20.92	0.07	0.038	(0.030)	0.010	0.028
252	21.00	0.07	0.038	(0.030)	0.010	0.028
253	21.08	0.10	0.057	(0.030)	0.015	0.042
254	21.17	0.10	0.057	(0.030)	0.015	0.042
255	21.25	0.10	0.057	(0.030)	0.015	0.042
256	21.33	0.07	0.038	(0.029)	0.010	0.028
257	21.42	0.07	0.038	(0.029)	0.010	0.028
258	21.50	0.07	0.038	(0.029)	0.010	0.028
259	21.58	0.10	0.057	(0.029)	0.015	0.042
260	21.67	0.10	0.057	(0.029)	0.015	0.042
261	21.75	0.10	0.057	(0.029)	0.015	0.042
262	21.83	0.07	0.038	(0.029)	0.010	0.028
263	21.92	0.07	0.038	(0.029)	0.010	0.028
264	22.00	0.07	0.038	(0.029)	0.010	0.028
265	22.08	0.10	0.057	(0.029)	0.015	0.042
266	22.17	0.10	0.057	(0.028)	0.015	0.042
267	22.25	0.10	0.057	(0.028)	0.015	0.042
268	22.33	0.07	0.038	(0.028)	0.010	0.028
269	22.42	0.07	0.038	(0.028)	0.010	0.028
270	22.50	0.07	0.038	(0.028)	0.010	0.028
271	22.58	0.07	0.038	(0.028)	0.010	0.028
272	22.67	0.07	0.038	(0.028)	0.010	0.028
273	22.75	0.07	0.038	(0.028)	0.010	0.028
274	22.83	0.07	0.038	(0.028)	0.010	0.028
275	22.92	0.07	0.038	(0.028)	0.010	0.028
276	23.00	0.07	0.038	(0.028)	0.010	0.028
277	23.08	0.07	0.038	(0.028)	0.010	0.028
278	23.17	0.07	0.038	(0.028)	0.010	0.028
279	23.25	0.07	0.038	(0.027)	0.010	0.028
280	23.33	0.07	0.038	(0.027)	0.010	0.028
281	23.42	0.07	0.038	(0.027)	0.010	0.028
282	23.50	0.07	0.038	(0.027)	0.010	0.028
283	23.58	0.07	0.038	(0.027)	0.010	0.028
284	23.67	0.07	0.038	(0.027)	0.010	0.028
285	23.75	0.07	0.038	(0.027)	0.010	0.028
286	23.83	0.07	0.038	(0.027)	0.010	0.028
287	23.92	0.07	0.038	(0.027)	0.010	0.028
288	24.00	0.07	0.038	(0.027)	0.010	0.028

(Loss Rate Not Used)

Sum = 100.0

Sum = 47.2

Flood volume = Effective rainfall 3.93(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)

Total soil loss = 0.78(In)

Total soil loss = 0.158(Ac.Ft)

Total rainfall = 4.71(In)

Flood volume = 34826.9 Cubic Feet

Total soil loss = 6890.3 Cubic Feet

Peak flow rate of this hydrograph = 1.461(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.04	Q				
0+10	0.0008	0.07	Q				
0+15	0.0012	0.07	Q				
0+20	0.0019	0.09	Q				
0+25	0.0026	0.10	Q				
0+30	0.0033	0.10	Q				
0+35	0.0040	0.10	Q				
0+40	0.0047	0.10	Q				
0+45	0.0054	0.10	Q				
0+50	0.0063	0.12	Q				
0+55	0.0072	0.14	Q				
1+ 0	0.0081	0.14	Q				
1+ 5	0.0089	0.12	Q				
1+10	0.0096	0.10	Q				
1+15	0.0104	0.10	Q				
1+20	0.0111	0.10	Q				
1+25	0.0118	0.10	Q				
1+30	0.0125	0.10	Q				
1+35	0.0132	0.10	Q				
1+40	0.0139	0.10	Q				
1+45	0.0146	0.10	Q				
1+50	0.0155	0.12	Q				
1+55	0.0164	0.14	Q				
2+ 0	0.0173	0.14	Q				
2+ 5	0.0183	0.14	Q				
2+10	0.0192	0.14	Q				
2+15	0.0202	0.14	QV				
2+20	0.0211	0.14	QV				
2+25	0.0221	0.14	QV				
2+30	0.0230	0.14	QV				
2+35	0.0241	0.16	QV				
2+40	0.0253	0.17	QV				
2+45	0.0265	0.17	QV				
2+50	0.0276	0.17	QV				
2+55	0.0288	0.17	QV				
3+ 0	0.0300	0.17	QV				
3+ 5	0.0312	0.17	QV				

3+10	0.0324	0.17	QV
3+15	0.0336	0.17	QV
3+20	0.0347	0.17	QV
3+25	0.0359	0.17	QV
3+30	0.0371	0.17	QV
3+35	0.0383	0.17	QV
3+40	0.0395	0.17	QV
3+45	0.0406	0.17	Q V
3+50	0.0420	0.19	Q V
3+55	0.0434	0.20	Q V
4+ 0	0.0448	0.21	Q V
4+ 5	0.0462	0.21	Q V
4+10	0.0476	0.21	Q V
4+15	0.0491	0.21	Q V
4+20	0.0506	0.23	Q V
4+25	0.0523	0.24	Q V
4+30	0.0539	0.24	Q V
4+35	0.0556	0.24	Q V
4+40	0.0572	0.24	Q V
4+45	0.0589	0.24	Q V
4+50	0.0607	0.26	Q V
4+55	0.0626	0.27	Q V
5+ 0	0.0645	0.27	Q V
5+ 5	0.0660	0.23	Q V
5+10	0.0675	0.21	Q V
5+15	0.0689	0.21	Q V
5+20	0.0705	0.23	Q V
5+25	0.0721	0.24	Q V
5+30	0.0738	0.24	Q V
5+35	0.0756	0.26	Q V
5+40	0.0775	0.27	Q V
5+45	0.0793	0.27	Q V
5+50	0.0812	0.27	Q V
5+55	0.0831	0.27	Q V
6+ 0	0.0850	0.27	Q V
6+ 5	0.0871	0.30	Q V
6+10	0.0892	0.31	Q V
6+15	0.0913	0.31	Q V
6+20	0.0934	0.31	Q V
6+25	0.0956	0.31	Q V
6+30	0.0977	0.31	Q V
6+35	0.1000	0.33	Q V
6+40	0.1023	0.34	Q V
6+45	0.1047	0.34	Q V
6+50	0.1070	0.34	Q V
6+55	0.1094	0.34	Q V
7+ 0	0.1118	0.34	Q V
7+ 5	0.1141	0.34	Q V
7+10	0.1165	0.34	Q V
7+15	0.1188	0.34	Q V

7+20	0.1214	0.36	Q	V				
7+25	0.1240	0.38	Q	V				
7+30	0.1265	0.38	Q	V				
7+35	0.1293	0.40	Q	V				
7+40	0.1321	0.41	Q	V				
7+45	0.1350	0.41	Q	V				
7+50	0.1379	0.43	Q	V				
7+55	0.1410	0.44	Q	V				
8+ 0	0.1441	0.45	Q	V				
8+ 5	0.1476	0.50	Q	V				
8+10	0.1512	0.54	Q	V				
8+15	0.1550	0.54	Q	V				
8+20	0.1587	0.54	Q	V				
8+25	0.1624	0.54	Q	V				
8+30	0.1661	0.54	Q	V				
8+35	0.1701	0.57	Q	V				
8+40	0.1741	0.59	Q	V				
8+45	0.1782	0.59	Q	V				
8+50	0.1824	0.62	Q	V				
8+55	0.1868	0.64	Q	V				
9+ 0	0.1912	0.64	Q	V				
9+ 5	0.1960	0.70	Q	V				
9+10	0.2011	0.73	Q	V				
9+15	0.2061	0.73	Q	V				
9+20	0.2114	0.76	Q	V				
9+25	0.2167	0.78	Q	V				
9+30	0.2221	0.78	Q	V				
9+35	0.2277	0.81	Q	V				
9+40	0.2334	0.83	Q	V				
9+45	0.2391	0.83	Q	V				
9+50	0.2451	0.86	Q	V				
9+55	0.2511	0.88	Q	V				
10+ 0	0.2571	0.88	Q	V				
10+ 5	0.2618	0.67	Q	V				
10+10	0.2657	0.57	Q	V				
10+15	0.2695	0.56	Q	V				
10+20	0.2733	0.56	Q	V				
10+25	0.2772	0.56	Q	V				
10+30	0.2810	0.56	Q	V				
10+35	0.2859	0.71	Q	V				
10+40	0.2913	0.78	Q	V				
10+45	0.2967	0.79	Q	V				
10+50	0.3022	0.79	Q	V				
10+55	0.3076	0.79	Q	V				
11+ 0	0.3131	0.79	Q	V				
11+ 5	0.3184	0.76	Q	V				
11+10	0.3236	0.75	Q	V				
11+15	0.3287	0.75	Q	V				
11+20	0.3339	0.75	Q	V				
11+25	0.3390	0.75	Q	V				

11+30	0.3442	0.75	Q	V			
11+35	0.3490	0.69	Q	V			
11+40	0.3536	0.66	Q	V			
11+45	0.3581	0.66	Q	V			
11+50	0.3629	0.69	Q	V			
11+55	0.3677	0.71	Q	V			
12+ 0	0.3726	0.71	Q	V			
12+ 5	0.3789	0.92	Q	V			
12+10	0.3860	1.02	Q	V			
12+15	0.3931	1.04	Q	V			
12+20	0.4005	1.07	Q	V			
12+25	0.4079	1.08	Q	V			
12+30	0.4154	1.08	Q	V			
12+35	0.4232	1.14	Q	V			
12+40	0.4313	1.17	Q	V			
12+45	0.4394	1.18	Q	V			
12+50	0.4478	1.21	Q	V			
12+55	0.4562	1.22	Q	V			
13+ 0	0.4646	1.23	Q	V			
13+ 5	0.4741	1.38	Q	V			
13+10	0.4841	1.45	Q	V			
13+15	0.4942	1.46	Q	V			
13+20	0.5042	1.46	Q	V			
13+25	0.5143	1.46	Q	V			
13+30	0.5243	1.46	Q	V			
13+35	0.5322	1.14	Q	V			
13+40	0.5388	0.97	Q	V			
13+45	0.5454	0.95	Q	V			
13+50	0.5520	0.95	Q	V			
13+55	0.5585	0.95	Q	V			
14+ 0	0.5651	0.95	Q	V			
14+ 5	0.5725	1.07	Q	V			
14+10	0.5803	1.14	Q	V			
14+15	0.5882	1.14	Q	V			
14+20	0.5959	1.11	Q	V			
14+25	0.6034	1.10	Q	V			
14+30	0.6110	1.10	Q	V			
14+35	0.6185	1.10	Q	V			
14+40	0.6261	1.10	Q	V			
14+45	0.6337	1.10	Q	V			
14+50	0.6410	1.07	Q	V			
14+55	0.6483	1.06	Q	V			
15+ 0	0.6556	1.05	Q	V			
15+ 5	0.6626	1.03	Q	V			
15+10	0.6696	1.01	Q	V			
15+15	0.6765	1.01	Q	V			
15+20	0.6833	0.98	Q	V			
15+25	0.6899	0.97	Q	V			
15+30	0.6966	0.96	Q	V			
15+35	0.7024	0.85	Q	V			

15+40	0.7078	0.79	Q				V
15+45	0.7132	0.78	Q				V
15+50	0.7186	0.78	Q				V
15+55	0.7240	0.78	Q				V
16+ 0	0.7294	0.78	Q				V
16+ 5	0.7319	0.37	Q				V
16+10	0.7330	0.16	Q				V
16+15	0.7339	0.14	Q				V
16+20	0.7349	0.14	Q				V
16+25	0.7358	0.14	Q				V
16+30	0.7368	0.14	Q				V
16+35	0.7376	0.12	Q				V
16+40	0.7383	0.10	Q				V
16+45	0.7390	0.10	Q				V
16+50	0.7397	0.10	Q				V
16+55	0.7404	0.10	Q				V
17+ 0	0.7411	0.10	Q				V
17+ 5	0.7421	0.15	Q				V
17+10	0.7433	0.17	Q				V
17+15	0.7445	0.17	Q				V
17+20	0.7457	0.17	Q				V
17+25	0.7468	0.17	Q				V
17+30	0.7480	0.17	Q				V
17+35	0.7492	0.17	Q				V
17+40	0.7504	0.17	Q				V
17+45	0.7516	0.17	Q				V
17+50	0.7526	0.15	Q				V
17+55	0.7536	0.14	Q				V
18+ 0	0.7545	0.14	Q				V
18+ 5	0.7554	0.14	Q				V
18+10	0.7564	0.14	Q				V
18+15	0.7573	0.14	Q				V
18+20	0.7583	0.14	Q				V
18+25	0.7592	0.14	Q				V
18+30	0.7602	0.14	Q				V
18+35	0.7610	0.12	Q				V
18+40	0.7617	0.10	Q				V
18+45	0.7624	0.10	Q				V
18+50	0.7629	0.08	Q				V
18+55	0.7634	0.07	Q				V
19+ 0	0.7639	0.07	Q				V
19+ 5	0.7645	0.09	Q				V
19+10	0.7652	0.10	Q				V
19+15	0.7659	0.10	Q				V
19+20	0.7668	0.12	Q				V
19+25	0.7677	0.14	Q				V
19+30	0.7687	0.14	Q				V
19+35	0.7695	0.12	Q				V
19+40	0.7702	0.10	Q				V
19+45	0.7709	0.10	Q				V

19+50	0.7714	0.08	Q				V
19+55	0.7719	0.07	Q				V
20+ 0	0.7724	0.07	Q				V
20+ 5	0.7730	0.09	Q				V
20+10	0.7737	0.10	Q				V
20+15	0.7744	0.10	Q				V
20+20	0.7751	0.10	Q				V
20+25	0.7759	0.10	Q				V
20+30	0.7766	0.10	Q				V
20+35	0.7773	0.10	Q				V
20+40	0.7780	0.10	Q				V
20+45	0.7787	0.10	Q				V
20+50	0.7792	0.08	Q				V
20+55	0.7797	0.07	Q				V
21+ 0	0.7802	0.07	Q				V
21+ 5	0.7808	0.09	Q				V
21+10	0.7815	0.10	Q				V
21+15	0.7822	0.10	Q				V
21+20	0.7828	0.08	Q				V
21+25	0.7833	0.07	Q				V
21+30	0.7837	0.07	Q				V
21+35	0.7844	0.09	Q				V
21+40	0.7851	0.10	Q				V
21+45	0.7858	0.10	Q				V
21+50	0.7863	0.08	Q				V
21+55	0.7868	0.07	Q				V
22+ 0	0.7873	0.07	Q				V
22+ 5	0.7879	0.09	Q				V
22+10	0.7886	0.10	Q				V
22+15	0.7893	0.10	Q				V
22+20	0.7899	0.08	Q				V
22+25	0.7904	0.07	Q				V
22+30	0.7908	0.07	Q				V
22+35	0.7913	0.07	Q				V
22+40	0.7918	0.07	Q				V
22+45	0.7922	0.07	Q				V
22+50	0.7927	0.07	Q				V
22+55	0.7932	0.07	Q				V
23+ 0	0.7937	0.07	Q				V
23+ 5	0.7941	0.07	Q				V
23+10	0.7946	0.07	Q				V
23+15	0.7951	0.07	Q				V
23+20	0.7956	0.07	Q				V
23+25	0.7960	0.07	Q				V
23+30	0.7965	0.07	Q				V
23+35	0.7970	0.07	Q				V
23+40	0.7974	0.07	Q				V
23+45	0.7979	0.07	Q				V
23+50	0.7984	0.07	Q				V
23+55	0.7989	0.07	Q				V

24+ 0	0.7993	0.07	Q				V
24+ 5	0.7995	0.02	Q				V
24+10	0.7995	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda46100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 1.130(In)

Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 2.650(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 2.650(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.159	(0.054)	0.041	0.118
2	0.17	0.60	0.191	(0.054)	0.050	0.141
3	0.25	0.60	0.191	(0.054)	0.050	0.141
4	0.33	0.60	0.191	(0.054)	0.050	0.141
5	0.42	0.60	0.191	(0.054)	0.050	0.141
6	0.50	0.70	0.223	0.054	(0.058)	0.168
7	0.58	0.70	0.223	0.054	(0.058)	0.168
8	0.67	0.70	0.223	0.054	(0.058)	0.168
9	0.75	0.70	0.223	0.054	(0.058)	0.168
10	0.83	0.70	0.223	0.054	(0.058)	0.168
11	0.92	0.70	0.223	0.054	(0.058)	0.168
12	1.00	0.80	0.254	0.054	(0.066)	0.200
13	1.08	0.80	0.254	0.054	(0.066)	0.200
14	1.17	0.80	0.254	0.054	(0.066)	0.200
15	1.25	0.80	0.254	0.054	(0.066)	0.200
16	1.33	0.80	0.254	0.054	(0.066)	0.200
17	1.42	0.80	0.254	0.054	(0.066)	0.200
18	1.50	0.80	0.254	0.054	(0.066)	0.200
19	1.58	0.80	0.254	0.054	(0.066)	0.200
20	1.67	0.80	0.254	0.054	(0.066)	0.200
21	1.75	0.80	0.254	0.054	(0.066)	0.200
22	1.83	0.80	0.254	0.054	(0.066)	0.200
23	1.92	0.80	0.254	0.054	(0.066)	0.200
24	2.00	0.90	0.286	0.054	(0.074)	0.232
25	2.08	0.80	0.254	0.054	(0.066)	0.200
26	2.17	0.90	0.286	0.054	(0.074)	0.232
27	2.25	0.90	0.286	0.054	(0.074)	0.232
28	2.33	0.90	0.286	0.054	(0.074)	0.232
29	2.42	0.90	0.286	0.054	(0.074)	0.232
30	2.50	0.90	0.286	0.054	(0.074)	0.232
31	2.58	0.90	0.286	0.054	(0.074)	0.232
32	2.67	0.90	0.286	0.054	(0.074)	0.232
33	2.75	1.00	0.318	0.054	(0.083)	0.264
34	2.83	1.00	0.318	0.054	(0.083)	0.264
35	2.92	1.00	0.318	0.054	(0.083)	0.264
36	3.00	1.00	0.318	0.054	(0.083)	0.264
37	3.08	1.00	0.318	0.054	(0.083)	0.264
38	3.17	1.10	0.350	0.054	(0.091)	0.296
39	3.25	1.10	0.350	0.054	(0.091)	0.296
40	3.33	1.10	0.350	0.054	(0.091)	0.296
41	3.42	1.20	0.382	0.054	(0.099)	0.327
42	3.50	1.30	0.413	0.054	(0.107)	0.359
43	3.58	1.40	0.445	0.054	(0.116)	0.391
44	3.67	1.40	0.445	0.054	(0.116)	0.391
45	3.75	1.50	0.477	0.054	(0.124)	0.423
46	3.83	1.50	0.477	0.054	(0.124)	0.423

47	3.92	1.60	0.509	0.054	(0.132)	0.455
48	4.00	1.60	0.509	0.054	(0.132)	0.455
49	4.08	1.70	0.541	0.054	(0.141)	0.486
50	4.17	1.80	0.572	0.054	(0.149)	0.518
51	4.25	1.90	0.604	0.054	(0.157)	0.550
52	4.33	2.00	0.636	0.054	(0.165)	0.582
53	4.42	2.10	0.668	0.054	(0.174)	0.614
54	4.50	2.10	0.668	0.054	(0.174)	0.614
55	4.58	2.20	0.700	0.054	(0.182)	0.645
56	4.67	2.30	0.731	0.054	(0.190)	0.677
57	4.75	2.40	0.763	0.054	(0.198)	0.709
58	4.83	2.40	0.763	0.054	(0.198)	0.709
59	4.92	2.50	0.795	0.054	(0.207)	0.741
60	5.00	2.60	0.827	0.054	(0.215)	0.773
61	5.08	3.10	0.986	0.054	(0.256)	0.932
62	5.17	3.60	1.145	0.054	(0.298)	1.091
63	5.25	3.90	1.240	0.054	(0.322)	1.186
64	5.33	4.20	1.336	0.054	(0.347)	1.281
65	5.42	4.70	1.495	0.054	(0.389)	1.440
66	5.50	5.60	1.781	0.054	(0.463)	1.727
67	5.58	1.90	0.604	0.054	(0.157)	0.550
68	5.67	0.90	0.286	0.054	(0.074)	0.232
69	5.75	0.60	0.191	(0.054)	0.050	0.141
70	5.83	0.50	0.159	(0.054)	0.041	0.118
71	5.92	0.30	0.095	(0.054)	0.025	0.071
72	6.00	0.20	0.064	(0.054)	0.017	0.047

(Loss Rate Not Used)

Sum = 100.0

Sum = 28.0

Flood volume = Effective rainfall 2.33(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 0.32(In)
Total soil loss = 0.064(Ac.Ft)
Total rainfall = 2.65(In)
Flood volume = 20673.0 Cubic Feet
Total soil loss = 2798.4 Cubic Feet

Peak flow rate of this hydrograph = 3.982(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0013	0.19	Q				
0+10	0.0035	0.32	VQ				
0+15	0.0058	0.35	VQ				

0+20	0.0082	0.35	VQ				
0+25	0.0106	0.35	VQ				
0+30	0.0133	0.39	Q				
0+35	0.0162	0.41	Q				
0+40	0.0190	0.41	Q				
0+45	0.0219	0.41	Q				
0+50	0.0247	0.41	QV				
0+55	0.0276	0.41	QV				
1+ 0	0.0308	0.46	QV				
1+ 5	0.0341	0.49	QV				
1+10	0.0375	0.49	Q V				
1+15	0.0409	0.49	Q V				
1+20	0.0443	0.49	Q V				
1+25	0.0477	0.49	Q V				
1+30	0.0511	0.49	Q V				
1+35	0.0545	0.49	Q V				
1+40	0.0579	0.49	Q V				
1+45	0.0613	0.49	Q V				
1+50	0.0647	0.49	Q V				
1+55	0.0680	0.49	Q V				
2+ 0	0.0718	0.54	Q V				
2+ 5	0.0753	0.52	Q V				
2+10	0.0791	0.54	Q V				
2+15	0.0830	0.57	Q V				
2+20	0.0869	0.57	Q V				
2+25	0.0909	0.57	Q V				
2+30	0.0948	0.57	Q V				
2+35	0.0987	0.57	Q V				
2+40	0.1027	0.57	Q V				
2+45	0.1069	0.62	Q V				
2+50	0.1114	0.65	Q V				
2+55	0.1159	0.65	Q V				
3+ 0	0.1203	0.65	Q V				
3+ 5	0.1248	0.65	Q V				
3+10	0.1296	0.70	Q V				
3+15	0.1346	0.72	Q V				
3+20	0.1396	0.73	Q V				
3+25	0.1450	0.78	Q V				
3+30	0.1508	0.85	Q V				
3+35	0.1572	0.93	Q V				
3+40	0.1639	0.96	Q V				
3+45	0.1708	1.01	Q V				
3+50	0.1780	1.04	Q V				
3+55	0.1855	1.09	Q V				
4+ 0	0.1932	1.12	Q V				
4+ 5	0.2012	1.17	Q V				
4+10	0.2098	1.24	Q V				
4+15	0.2189	1.32	Q V				
4+20	0.2285	1.40	Q V				
4+25	0.2387	1.48	Q V				

4+30	0.2491	1.51		Q		V			
4+35	0.2598	1.56		Q		V			
4+40	0.2711	1.64		Q		V			
4+45	0.2829	1.71		Q		V			
4+50	0.2949	1.74		Q		V			
4+55	0.3072	1.79		Q		V			
5+ 0	0.3201	1.87		Q		V			
5+ 5	0.3349	2.15		Q		V			
5+10	0.3523	2.53		Q		V			
5+15	0.3718	2.82			Q		V		
5+20	0.3929	3.06			Q		V		
5+25	0.4162	3.40			Q		V		
5+30	0.4437	3.98			Q		V		
5+35	0.4600	2.37			Q		V		
5+40	0.4665	0.94		Q				V	
5+45	0.4696	0.45		Q				V	
5+50	0.4718	0.32		Q				V	
5+55	0.4733	0.22		Q				V	
6+ 0	0.4743	0.14		Q				V	
6+ 5	0.4746	0.04		Q				V	
6+10	0.4746	0.00		Q				V	

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda43100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.817(In)

Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.960(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.960(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.306	0.054	(0.079)	0.251
2	0.17	1.30	0.306	0.054	(0.079)	0.251
3	0.25	1.10	0.259	0.054	(0.067)	0.204
4	0.33	1.50	0.353	0.054	(0.092)	0.299
5	0.42	1.50	0.353	0.054	(0.092)	0.299
6	0.50	1.80	0.423	0.054	(0.110)	0.369
7	0.58	1.50	0.353	0.054	(0.092)	0.299
8	0.67	1.80	0.423	0.054	(0.110)	0.369
9	0.75	1.80	0.423	0.054	(0.110)	0.369
10	0.83	1.50	0.353	0.054	(0.092)	0.299
11	0.92	1.60	0.376	0.054	(0.098)	0.322
12	1.00	1.80	0.423	0.054	(0.110)	0.369
13	1.08	2.20	0.517	0.054	(0.135)	0.463
14	1.17	2.20	0.517	0.054	(0.135)	0.463
15	1.25	2.20	0.517	0.054	(0.135)	0.463
16	1.33	2.00	0.470	0.054	(0.122)	0.416
17	1.42	2.60	0.612	0.054	(0.159)	0.557
18	1.50	2.70	0.635	0.054	(0.165)	0.581
19	1.58	2.40	0.564	0.054	(0.147)	0.510
20	1.67	2.70	0.635	0.054	(0.165)	0.581
21	1.75	3.30	0.776	0.054	(0.202)	0.722
22	1.83	3.10	0.729	0.054	(0.190)	0.675
23	1.92	2.90	0.682	0.054	(0.177)	0.628
24	2.00	3.00	0.706	0.054	(0.183)	0.651
25	2.08	3.10	0.729	0.054	(0.190)	0.675
26	2.17	4.20	0.988	0.054	(0.257)	0.934
27	2.25	5.00	1.176	0.054	(0.306)	1.122
28	2.33	3.50	0.823	0.054	(0.214)	0.769
29	2.42	6.80	1.599	0.054	(0.416)	1.545
30	2.50	7.30	1.717	0.054	(0.446)	1.663
31	2.58	8.20	1.929	0.054	(0.501)	1.874
32	2.67	5.90	1.388	0.054	(0.361)	1.333
33	2.75	2.00	0.470	0.054	(0.122)	0.416
34	2.83	1.80	0.423	0.054	(0.110)	0.369
35	2.92	1.80	0.423	0.054	(0.110)	0.369
36	3.00	0.60	0.141	(0.054)	0.037	0.104

(Loss Rate Not Used)

Sum = 100.0

Sum = 21.6

Flood volume = Effective rainfall 1.80(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.16(In)
Total soil loss = 0.033(Ac.Ft)
Total rainfall = 1.96(In)
Flood volume = 15930.7 Cubic Feet
Total soil loss = 1429.2 Cubic Feet

Peak flow rate of this hydrograph = 4.415(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0027	0.40	VQ					
0+10	0.0069	0.60	V Q					
0+15	0.0106	0.54	VQ					
0+20	0.0151	0.65	VQ					
0+25	0.0201	0.73	Q					
0+30	0.0259	0.85	VQ					
0+35	0.0314	0.79	Q					
0+40	0.0373	0.85	QV					
0+45	0.0435	0.90	QV					
0+50	0.0490	0.80	Q V					
0+55	0.0543	0.78	Q V					
1+ 0	0.0603	0.86	Q V					
1+ 5	0.0675	1.05	Q V					
1+10	0.0753	1.13	Q V					
1+15	0.0832	1.14	Q V					
1+20	0.0905	1.07	Q V					
1+25	0.0991	1.25	Q V					
1+30	0.1087	1.40	Q V					
1+35	0.1178	1.32	Q V					
1+40	0.1272	1.37	Q V					
1+45	0.1386	1.65	Q V					
1+50	0.1502	1.69	Q V					
1+55	0.1612	1.59	Q V					
2+ 0	0.1721	1.59	Q V					
2+ 5	0.1834	1.64	Q V					
2+10	0.1976	2.07	Q V					
2+15	0.2153	2.57	Q V					
2+20	0.2304	2.19	Q V					
2+25	0.2520	3.14	Q V					
2+30	0.2791	3.93	Q V					
2+35	0.3095	4.42	Q V					
2+40	0.3353	3.74	Q V					
2+45	0.3482	1.88	Q V					
2+50	0.3552	1.02	Q V					
2+55	0.3615	0.91	Q V					
3+ 0	0.3649	0.49	Q V					
3+ 5	0.3657	0.11	Q V					
3+10	0.3657	0.01	Q V					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda41100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 100 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 100.00

Area Averaged 2-Year Rainfall = 0.468(In)

Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 1.240(In)

Areal adjustment factor = 100.00 %

Adjusted average point rain = 1.240(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800
Total Area Entered = 2.44(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	84.4	0.194	0.800	0.054	1.000	0.054
Sum (F) =						0.054

Area averaged mean soil loss (F) (In/Hr) = 0.054

Minimum soil loss rate ((In/Hr)) = 0.027

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	384.860	64.012
2	0.167	769.720	32.861
3	0.250	1154.580	3.127
		Sum = 100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.625	0.054	(0.162)	0.571
2	0.17	4.30	0.640	0.054	(0.166)	0.586
3	0.25	5.00	0.744	0.054	(0.193)	0.690
4	0.33	5.00	0.744	0.054	(0.193)	0.690
5	0.42	5.80	0.863	0.054	(0.224)	0.809
6	0.50	6.50	0.967	0.054	(0.251)	0.913
7	0.58	7.40	1.101	0.054	(0.286)	1.047
8	0.67	8.60	1.280	0.054	(0.333)	1.225
9	0.75	12.30	1.830	0.054	(0.476)	1.776
10	0.83	29.10	4.330	0.054	(1.126)	4.276
11	0.92	6.80	1.012	0.054	(0.263)	0.958
12	1.00	5.00	0.744	0.054	(0.193)	0.690

(Loss Rate Not Used)

Sum = 100.0 Sum = 14.2

Flood volume = Effective rainfall 1.19(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.05(In)
Total soil loss = 0.011(Ac.Ft)
Total rainfall = 1.24(In)
Flood volume = 10502.0 Cubic Feet
Total soil loss = 480.7 Cubic Feet

Peak flow rate of this hydrograph = 8.264(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0062	0.90	V Q				
0+10	0.0157	1.38	V Q				
0+15	0.0268	1.60	V Q				
0+20	0.0384	1.69	Q				
0+25	0.0514	1.88	Q V				
0+30	0.0661	2.14	Q V				
0+35	0.0830	2.45	Q	V			
0+40	0.1026	2.85	Q	V			
0+45	0.1293	3.87		Q	V		
0+50	0.1862	8.26				V Q	
0+55	0.2213	5.10			Q		V

1+ 0	0.2364	2.19		Q				V
1+ 5	0.2407	0.63		Q				V
1+10	0.2411	0.05	Q					V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda42410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 3.074(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.074(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.025	(0.185)	0.006	0.018
2	0.17	0.07	0.025	(0.184)	0.006	0.018
3	0.25	0.07	0.025	(0.184)	0.006	0.018
4	0.33	0.10	0.037	(0.183)	0.010	0.027
5	0.42	0.10	0.037	(0.182)	0.010	0.027
6	0.50	0.10	0.037	(0.181)	0.010	0.027
7	0.58	0.10	0.037	(0.181)	0.010	0.027
8	0.67	0.10	0.037	(0.180)	0.010	0.027
9	0.75	0.10	0.037	(0.179)	0.010	0.027
10	0.83	0.13	0.049	(0.179)	0.013	0.036
11	0.92	0.13	0.049	(0.178)	0.013	0.036
12	1.00	0.13	0.049	(0.177)	0.013	0.036
13	1.08	0.10	0.037	(0.177)	0.010	0.027
14	1.17	0.10	0.037	(0.176)	0.010	0.027
15	1.25	0.10	0.037	(0.175)	0.010	0.027
16	1.33	0.10	0.037	(0.174)	0.010	0.027
17	1.42	0.10	0.037	(0.174)	0.010	0.027
18	1.50	0.10	0.037	(0.173)	0.010	0.027
19	1.58	0.10	0.037	(0.172)	0.010	0.027
20	1.67	0.10	0.037	(0.172)	0.010	0.027
21	1.75	0.10	0.037	(0.171)	0.010	0.027
22	1.83	0.13	0.049	(0.170)	0.013	0.036
23	1.92	0.13	0.049	(0.170)	0.013	0.036
24	2.00	0.13	0.049	(0.169)	0.013	0.036
25	2.08	0.13	0.049	(0.168)	0.013	0.036
26	2.17	0.13	0.049	(0.168)	0.013	0.036
27	2.25	0.13	0.049	(0.167)	0.013	0.036
28	2.33	0.13	0.049	(0.166)	0.013	0.036
29	2.42	0.13	0.049	(0.166)	0.013	0.036
30	2.50	0.13	0.049	(0.165)	0.013	0.036
31	2.58	0.17	0.061	(0.164)	0.016	0.045
32	2.67	0.17	0.061	(0.164)	0.016	0.045
33	2.75	0.17	0.061	(0.163)	0.016	0.045
34	2.83	0.17	0.061	(0.162)	0.016	0.045
35	2.92	0.17	0.061	(0.161)	0.016	0.045
36	3.00	0.17	0.061	(0.161)	0.016	0.045
37	3.08	0.17	0.061	(0.160)	0.016	0.045
38	3.17	0.17	0.061	(0.159)	0.016	0.045
39	3.25	0.17	0.061	(0.159)	0.016	0.045
40	3.33	0.17	0.061	(0.158)	0.016	0.045
41	3.42	0.17	0.061	(0.158)	0.016	0.045
42	3.50	0.17	0.061	(0.157)	0.016	0.045
43	3.58	0.17	0.061	(0.156)	0.016	0.045
44	3.67	0.17	0.061	(0.156)	0.016	0.045
45	3.75	0.17	0.061	(0.155)	0.016	0.045
46	3.83	0.20	0.074	(0.154)	0.019	0.055

47	3.92	0.20	0.074	(0.154)	0.019	0.055
48	4.00	0.20	0.074	(0.153)	0.019	0.055
49	4.08	0.20	0.074	(0.152)	0.019	0.055
50	4.17	0.20	0.074	(0.152)	0.019	0.055
51	4.25	0.20	0.074	(0.151)	0.019	0.055
52	4.33	0.23	0.086	(0.150)	0.022	0.064
53	4.42	0.23	0.086	(0.150)	0.022	0.064
54	4.50	0.23	0.086	(0.149)	0.022	0.064
55	4.58	0.23	0.086	(0.148)	0.022	0.064
56	4.67	0.23	0.086	(0.148)	0.022	0.064
57	4.75	0.23	0.086	(0.147)	0.022	0.064
58	4.83	0.27	0.098	(0.147)	0.026	0.073
59	4.92	0.27	0.098	(0.146)	0.026	0.073
60	5.00	0.27	0.098	(0.145)	0.026	0.073
61	5.08	0.20	0.074	(0.145)	0.019	0.055
62	5.17	0.20	0.074	(0.144)	0.019	0.055
63	5.25	0.20	0.074	(0.143)	0.019	0.055
64	5.33	0.23	0.086	(0.143)	0.022	0.064
65	5.42	0.23	0.086	(0.142)	0.022	0.064
66	5.50	0.23	0.086	(0.141)	0.022	0.064
67	5.58	0.27	0.098	(0.141)	0.026	0.073
68	5.67	0.27	0.098	(0.140)	0.026	0.073
69	5.75	0.27	0.098	(0.140)	0.026	0.073
70	5.83	0.27	0.098	(0.139)	0.026	0.073
71	5.92	0.27	0.098	(0.138)	0.026	0.073
72	6.00	0.27	0.098	(0.138)	0.026	0.073
73	6.08	0.30	0.111	(0.137)	0.029	0.082
74	6.17	0.30	0.111	(0.137)	0.029	0.082
75	6.25	0.30	0.111	(0.136)	0.029	0.082
76	6.33	0.30	0.111	(0.135)	0.029	0.082
77	6.42	0.30	0.111	(0.135)	0.029	0.082
78	6.50	0.30	0.111	(0.134)	0.029	0.082
79	6.58	0.33	0.123	(0.134)	0.032	0.091
80	6.67	0.33	0.123	(0.133)	0.032	0.091
81	6.75	0.33	0.123	(0.132)	0.032	0.091
82	6.83	0.33	0.123	(0.132)	0.032	0.091
83	6.92	0.33	0.123	(0.131)	0.032	0.091
84	7.00	0.33	0.123	(0.131)	0.032	0.091
85	7.08	0.33	0.123	(0.130)	0.032	0.091
86	7.17	0.33	0.123	(0.129)	0.032	0.091
87	7.25	0.33	0.123	(0.129)	0.032	0.091
88	7.33	0.37	0.135	(0.128)	0.035	0.100
89	7.42	0.37	0.135	(0.128)	0.035	0.100
90	7.50	0.37	0.135	(0.127)	0.035	0.100
91	7.58	0.40	0.148	(0.126)	0.038	0.109
92	7.67	0.40	0.148	(0.126)	0.038	0.109
93	7.75	0.40	0.148	(0.125)	0.038	0.109
94	7.83	0.43	0.160	(0.125)	0.042	0.118
95	7.92	0.43	0.160	(0.124)	0.042	0.118
96	8.00	0.43	0.160	(0.124)	0.042	0.118

97	8.08	0.50	0.184	(0.123)	0.048	0.136
98	8.17	0.50	0.184	(0.122)	0.048	0.136
99	8.25	0.50	0.184	(0.122)	0.048	0.136
100	8.33	0.50	0.184	(0.121)	0.048	0.136
101	8.42	0.50	0.184	(0.121)	0.048	0.136
102	8.50	0.50	0.184	(0.120)	0.048	0.136
103	8.58	0.53	0.197	(0.120)	0.051	0.146
104	8.67	0.53	0.197	(0.119)	0.051	0.146
105	8.75	0.53	0.197	(0.118)	0.051	0.146
106	8.83	0.57	0.209	(0.118)	0.054	0.155
107	8.92	0.57	0.209	(0.117)	0.054	0.155
108	9.00	0.57	0.209	(0.117)	0.054	0.155
109	9.08	0.63	0.234	(0.116)	0.061	0.173
110	9.17	0.63	0.234	(0.116)	0.061	0.173
111	9.25	0.63	0.234	(0.115)	0.061	0.173
112	9.33	0.67	0.246	(0.115)	0.064	0.182
113	9.42	0.67	0.246	(0.114)	0.064	0.182
114	9.50	0.67	0.246	(0.113)	0.064	0.182
115	9.58	0.70	0.258	(0.113)	0.067	0.191
116	9.67	0.70	0.258	(0.112)	0.067	0.191
117	9.75	0.70	0.258	(0.112)	0.067	0.191
118	9.83	0.73	0.270	(0.111)	0.070	0.200
119	9.92	0.73	0.270	(0.111)	0.070	0.200
120	10.00	0.73	0.270	(0.110)	0.070	0.200
121	10.08	0.50	0.184	(0.110)	0.048	0.136
122	10.17	0.50	0.184	(0.109)	0.048	0.136
123	10.25	0.50	0.184	(0.109)	0.048	0.136
124	10.33	0.50	0.184	(0.108)	0.048	0.136
125	10.42	0.50	0.184	(0.108)	0.048	0.136
126	10.50	0.50	0.184	(0.107)	0.048	0.136
127	10.58	0.67	0.246	(0.107)	0.064	0.182
128	10.67	0.67	0.246	(0.106)	0.064	0.182
129	10.75	0.67	0.246	(0.105)	0.064	0.182
130	10.83	0.67	0.246	(0.105)	0.064	0.182
131	10.92	0.67	0.246	(0.104)	0.064	0.182
132	11.00	0.67	0.246	(0.104)	0.064	0.182
133	11.08	0.63	0.234	(0.103)	0.061	0.173
134	11.17	0.63	0.234	(0.103)	0.061	0.173
135	11.25	0.63	0.234	(0.102)	0.061	0.173
136	11.33	0.63	0.234	(0.102)	0.061	0.173
137	11.42	0.63	0.234	(0.101)	0.061	0.173
138	11.50	0.63	0.234	(0.101)	0.061	0.173
139	11.58	0.57	0.209	(0.100)	0.054	0.155
140	11.67	0.57	0.209	(0.100)	0.054	0.155
141	11.75	0.57	0.209	(0.099)	0.054	0.155
142	11.83	0.60	0.221	(0.099)	0.058	0.164
143	11.92	0.60	0.221	(0.098)	0.058	0.164
144	12.00	0.60	0.221	(0.098)	0.058	0.164
145	12.08	0.83	0.307	(0.097)	0.080	0.227
146	12.17	0.83	0.307	(0.097)	0.080	0.227

147	12.25	0.83	0.307	(0.096)	0.080	0.227
148	12.33	0.87	0.320	(0.096)	0.083	0.237
149	12.42	0.87	0.320	(0.096)	0.083	0.237
150	12.50	0.87	0.320	(0.095)	0.083	0.237
151	12.58	0.93	0.344	(0.095)	0.090	0.255
152	12.67	0.93	0.344	(0.094)	0.090	0.255
153	12.75	0.93	0.344	(0.094)	0.090	0.255
154	12.83	0.97	0.357	(0.093)	0.093	0.264
155	12.92	0.97	0.357	0.093	(0.093)	0.264
156	13.00	0.97	0.357	0.092	(0.093)	0.264
157	13.08	1.13	0.418	0.092	(0.109)	0.326
158	13.17	1.13	0.418	0.091	(0.109)	0.327
159	13.25	1.13	0.418	0.091	(0.109)	0.327
160	13.33	1.13	0.418	0.090	(0.109)	0.328
161	13.42	1.13	0.418	0.090	(0.109)	0.328
162	13.50	1.13	0.418	0.089	(0.109)	0.329
163	13.58	0.77	0.283	(0.089)	0.074	0.209
164	13.67	0.77	0.283	(0.088)	0.074	0.209
165	13.75	0.77	0.283	(0.088)	0.074	0.209
166	13.83	0.77	0.283	(0.088)	0.074	0.209
167	13.92	0.77	0.283	(0.087)	0.074	0.209
168	14.00	0.77	0.283	(0.087)	0.074	0.209
169	14.08	0.90	0.332	0.086	(0.086)	0.246
170	14.17	0.90	0.332	0.086	(0.086)	0.246
171	14.25	0.90	0.332	0.085	(0.086)	0.247
172	14.33	0.87	0.320	(0.085)	0.083	0.237
173	14.42	0.87	0.320	(0.085)	0.083	0.237
174	14.50	0.87	0.320	(0.084)	0.083	0.237
175	14.58	0.87	0.320	(0.084)	0.083	0.237
176	14.67	0.87	0.320	(0.083)	0.083	0.237
177	14.75	0.87	0.320	0.083	(0.083)	0.237
178	14.83	0.83	0.307	(0.082)	0.080	0.227
179	14.92	0.83	0.307	(0.082)	0.080	0.227
180	15.00	0.83	0.307	(0.082)	0.080	0.227
181	15.08	0.80	0.295	(0.081)	0.077	0.218
182	15.17	0.80	0.295	(0.081)	0.077	0.218
183	15.25	0.80	0.295	(0.080)	0.077	0.218
184	15.33	0.77	0.283	(0.080)	0.074	0.209
185	15.42	0.77	0.283	(0.079)	0.074	0.209
186	15.50	0.77	0.283	(0.079)	0.074	0.209
187	15.58	0.63	0.234	(0.079)	0.061	0.173
188	15.67	0.63	0.234	(0.078)	0.061	0.173
189	15.75	0.63	0.234	(0.078)	0.061	0.173
190	15.83	0.63	0.234	(0.077)	0.061	0.173
191	15.92	0.63	0.234	(0.077)	0.061	0.173
192	16.00	0.63	0.234	(0.077)	0.061	0.173
193	16.08	0.13	0.049	(0.076)	0.013	0.036
194	16.17	0.13	0.049	(0.076)	0.013	0.036
195	16.25	0.13	0.049	(0.075)	0.013	0.036
196	16.33	0.13	0.049	(0.075)	0.013	0.036

197	16.42	0.13	0.049	(0.075)	0.013	0.036
198	16.50	0.13	0.049	(0.074)	0.013	0.036
199	16.58	0.10	0.037	(0.074)	0.010	0.027
200	16.67	0.10	0.037	(0.074)	0.010	0.027
201	16.75	0.10	0.037	(0.073)	0.010	0.027
202	16.83	0.10	0.037	(0.073)	0.010	0.027
203	16.92	0.10	0.037	(0.072)	0.010	0.027
204	17.00	0.10	0.037	(0.072)	0.010	0.027
205	17.08	0.17	0.061	(0.072)	0.016	0.045
206	17.17	0.17	0.061	(0.071)	0.016	0.045
207	17.25	0.17	0.061	(0.071)	0.016	0.045
208	17.33	0.17	0.061	(0.071)	0.016	0.045
209	17.42	0.17	0.061	(0.070)	0.016	0.045
210	17.50	0.17	0.061	(0.070)	0.016	0.045
211	17.58	0.17	0.061	(0.070)	0.016	0.045
212	17.67	0.17	0.061	(0.069)	0.016	0.045
213	17.75	0.17	0.061	(0.069)	0.016	0.045
214	17.83	0.13	0.049	(0.069)	0.013	0.036
215	17.92	0.13	0.049	(0.068)	0.013	0.036
216	18.00	0.13	0.049	(0.068)	0.013	0.036
217	18.08	0.13	0.049	(0.068)	0.013	0.036
218	18.17	0.13	0.049	(0.067)	0.013	0.036
219	18.25	0.13	0.049	(0.067)	0.013	0.036
220	18.33	0.13	0.049	(0.067)	0.013	0.036
221	18.42	0.13	0.049	(0.066)	0.013	0.036
222	18.50	0.13	0.049	(0.066)	0.013	0.036
223	18.58	0.10	0.037	(0.066)	0.010	0.027
224	18.67	0.10	0.037	(0.065)	0.010	0.027
225	18.75	0.10	0.037	(0.065)	0.010	0.027
226	18.83	0.07	0.025	(0.065)	0.006	0.018
227	18.92	0.07	0.025	(0.064)	0.006	0.018
228	19.00	0.07	0.025	(0.064)	0.006	0.018
229	19.08	0.10	0.037	(0.064)	0.010	0.027
230	19.17	0.10	0.037	(0.063)	0.010	0.027
231	19.25	0.10	0.037	(0.063)	0.010	0.027
232	19.33	0.13	0.049	(0.063)	0.013	0.036
233	19.42	0.13	0.049	(0.063)	0.013	0.036
234	19.50	0.13	0.049	(0.062)	0.013	0.036
235	19.58	0.10	0.037	(0.062)	0.010	0.027
236	19.67	0.10	0.037	(0.062)	0.010	0.027
237	19.75	0.10	0.037	(0.061)	0.010	0.027
238	19.83	0.07	0.025	(0.061)	0.006	0.018
239	19.92	0.07	0.025	(0.061)	0.006	0.018
240	20.00	0.07	0.025	(0.061)	0.006	0.018
241	20.08	0.10	0.037	(0.060)	0.010	0.027
242	20.17	0.10	0.037	(0.060)	0.010	0.027
243	20.25	0.10	0.037	(0.060)	0.010	0.027
244	20.33	0.10	0.037	(0.060)	0.010	0.027
245	20.42	0.10	0.037	(0.059)	0.010	0.027
246	20.50	0.10	0.037	(0.059)	0.010	0.027

247	20.58	0.10	0.037	(0.059)	0.010	0.027
248	20.67	0.10	0.037	(0.059)	0.010	0.027
249	20.75	0.10	0.037	(0.058)	0.010	0.027
250	20.83	0.07	0.025	(0.058)	0.006	0.018
251	20.92	0.07	0.025	(0.058)	0.006	0.018
252	21.00	0.07	0.025	(0.058)	0.006	0.018
253	21.08	0.10	0.037	(0.057)	0.010	0.027
254	21.17	0.10	0.037	(0.057)	0.010	0.027
255	21.25	0.10	0.037	(0.057)	0.010	0.027
256	21.33	0.07	0.025	(0.057)	0.006	0.018
257	21.42	0.07	0.025	(0.057)	0.006	0.018
258	21.50	0.07	0.025	(0.056)	0.006	0.018
259	21.58	0.10	0.037	(0.056)	0.010	0.027
260	21.67	0.10	0.037	(0.056)	0.010	0.027
261	21.75	0.10	0.037	(0.056)	0.010	0.027
262	21.83	0.07	0.025	(0.055)	0.006	0.018
263	21.92	0.07	0.025	(0.055)	0.006	0.018
264	22.00	0.07	0.025	(0.055)	0.006	0.018
265	22.08	0.10	0.037	(0.055)	0.010	0.027
266	22.17	0.10	0.037	(0.055)	0.010	0.027
267	22.25	0.10	0.037	(0.055)	0.010	0.027
268	22.33	0.07	0.025	(0.054)	0.006	0.018
269	22.42	0.07	0.025	(0.054)	0.006	0.018
270	22.50	0.07	0.025	(0.054)	0.006	0.018
271	22.58	0.07	0.025	(0.054)	0.006	0.018
272	22.67	0.07	0.025	(0.054)	0.006	0.018
273	22.75	0.07	0.025	(0.054)	0.006	0.018
274	22.83	0.07	0.025	(0.053)	0.006	0.018
275	22.92	0.07	0.025	(0.053)	0.006	0.018
276	23.00	0.07	0.025	(0.053)	0.006	0.018
277	23.08	0.07	0.025	(0.053)	0.006	0.018
278	23.17	0.07	0.025	(0.053)	0.006	0.018
279	23.25	0.07	0.025	(0.053)	0.006	0.018
280	23.33	0.07	0.025	(0.053)	0.006	0.018
281	23.42	0.07	0.025	(0.053)	0.006	0.018
282	23.50	0.07	0.025	(0.053)	0.006	0.018
283	23.58	0.07	0.025	(0.052)	0.006	0.018
284	23.67	0.07	0.025	(0.052)	0.006	0.018
285	23.75	0.07	0.025	(0.052)	0.006	0.018
286	23.83	0.07	0.025	(0.052)	0.006	0.018
287	23.92	0.07	0.025	(0.052)	0.006	0.018
288	24.00	0.07	0.025	(0.052)	0.006	0.018

(Loss Rate Not Used)

Sum = 100.0

Sum = 27.4

Flood volume = Effective rainfall 2.28(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)

Total soil loss = 0.79(In)

Total soil loss = 0.161(Ac.Ft)

Total rainfall = 3.07(In)

Flood volume = 20228.1 Cubic Feet

Total soil loss = 6996.3 Cubic Feet

Peak flow rate of this hydrograph = 0.808(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0005	0.04	Q				
0+15	0.0008	0.04	Q				
0+20	0.0012	0.06	Q				
0+25	0.0017	0.07	Q				
0+30	0.0021	0.07	Q				
0+35	0.0026	0.07	Q				
0+40	0.0031	0.07	Q				
0+45	0.0035	0.07	Q				
0+50	0.0041	0.08	Q				
0+55	0.0047	0.09	Q				
1+ 0	0.0053	0.09	Q				
1+ 5	0.0058	0.08	Q				
1+10	0.0063	0.07	Q				
1+15	0.0068	0.07	Q				
1+20	0.0072	0.07	Q				
1+25	0.0077	0.07	Q				
1+30	0.0081	0.07	Q				
1+35	0.0086	0.07	Q				
1+40	0.0091	0.07	Q				
1+45	0.0095	0.07	Q				
1+50	0.0101	0.08	Q				
1+55	0.0107	0.09	Q				
2+ 0	0.0113	0.09	Q				
2+ 5	0.0119	0.09	QV				
2+10	0.0126	0.09	QV				
2+15	0.0132	0.09	QV				
2+20	0.0138	0.09	QV				
2+25	0.0144	0.09	QV				
2+30	0.0150	0.09	QV				
2+35	0.0157	0.10	QV				
2+40	0.0165	0.11	QV				
2+45	0.0173	0.11	QV				
2+50	0.0180	0.11	QV				
2+55	0.0188	0.11	QV				
3+ 0	0.0196	0.11	QV				
3+ 5	0.0204	0.11	QV				

3+10	0.0211	0.11	QV				
3+15	0.0219	0.11	QV				
3+20	0.0227	0.11	QV				
3+25	0.0234	0.11	Q V				
3+30	0.0242	0.11	Q V				
3+35	0.0250	0.11	Q V				
3+40	0.0258	0.11	Q V				
3+45	0.0265	0.11	Q V				
3+50	0.0274	0.13	Q V				
3+55	0.0283	0.13	Q V				
4+ 0	0.0292	0.13	Q V				
4+ 5	0.0302	0.13	Q V				
4+10	0.0311	0.13	Q V				
4+15	0.0320	0.13	Q V				
4+20	0.0330	0.15	Q V				
4+25	0.0341	0.16	Q V				
4+30	0.0352	0.16	Q V				
4+35	0.0363	0.16	Q V				
4+40	0.0373	0.16	Q V				
4+45	0.0384	0.16	Q V				
4+50	0.0396	0.17	Q V				
4+55	0.0408	0.18	Q V				
5+ 0	0.0421	0.18	Q V				
5+ 5	0.0431	0.15	Q V				
5+10	0.0440	0.14	Q V				
5+15	0.0450	0.13	Q V				
5+20	0.0460	0.15	Q V				
5+25	0.0471	0.16	Q V				
5+30	0.0481	0.16	Q V				
5+35	0.0493	0.17	Q V				
5+40	0.0505	0.18	Q V				
5+45	0.0518	0.18	Q V				
5+50	0.0530	0.18	Q V				
5+55	0.0542	0.18	Q V				
6+ 0	0.0555	0.18	Q V				
6+ 5	0.0568	0.19	Q V				
6+10	0.0582	0.20	Q V				
6+15	0.0596	0.20	Q V				
6+20	0.0610	0.20	Q V				
6+25	0.0624	0.20	Q V				
6+30	0.0637	0.20	Q V				
6+35	0.0652	0.22	Q V				
6+40	0.0668	0.22	Q V				
6+45	0.0683	0.22	Q V				
6+50	0.0698	0.22	Q V				
6+55	0.0714	0.22	Q V				
7+ 0	0.0729	0.22	Q V				
7+ 5	0.0745	0.22	Q V				
7+10	0.0760	0.22	Q V				
7+15	0.0776	0.22	Q V				

7+20	0.0792	0.24	Q	V				
7+25	0.0809	0.25	Q	V				
7+30	0.0826	0.25	Q	V				
7+35	0.0844	0.26	Q	V				
7+40	0.0862	0.27	Q	V				
7+45	0.0881	0.27	Q	V				
7+50	0.0900	0.28	Q	V				
7+55	0.0920	0.29	Q	V				
8+ 0	0.0940	0.29	Q	V				
8+ 5	0.0962	0.32	Q	V				
8+10	0.0985	0.33	Q	V				
8+15	0.1008	0.34	Q	V				
8+20	0.1032	0.34	Q	V				
8+25	0.1055	0.34	Q	V				
8+30	0.1078	0.34	Q	V				
8+35	0.1102	0.35	Q	V				
8+40	0.1127	0.36	Q	V				
8+45	0.1151	0.36	Q	V				
8+50	0.1177	0.37	Q	V				
8+55	0.1203	0.38	Q	V				
9+ 0	0.1229	0.38	Q	V				
9+ 5	0.1257	0.41	Q	V				
9+10	0.1287	0.42	Q	V				
9+15	0.1316	0.43	Q	V				
9+20	0.1346	0.44	Q	V				
9+25	0.1377	0.45	Q	V				
9+30	0.1408	0.45	Q	V				
9+35	0.1440	0.46	Q	V				
9+40	0.1472	0.47	Q	V				
9+45	0.1504	0.47	Q	V				
9+50	0.1538	0.48	Q	V				
9+55	0.1572	0.49	Q	V				
10+ 0	0.1605	0.49	Q	V				
10+ 5	0.1632	0.39	Q	V				
10+10	0.1656	0.34	Q	V				
10+15	0.1679	0.34	Q	V				
10+20	0.1702	0.34	Q	V				
10+25	0.1725	0.34	Q	V				
10+30	0.1748	0.34	Q	V				
10+35	0.1776	0.41	Q	V				
10+40	0.1807	0.44	Q	V				
10+45	0.1838	0.45	Q	V				
10+50	0.1869	0.45	Q	V				
10+55	0.1900	0.45	Q	V				
11+ 0	0.1930	0.45	Q	V				
11+ 5	0.1960	0.43	Q	V				
11+10	0.1990	0.43	Q	V				
11+15	0.2019	0.43	Q	V				
11+20	0.2048	0.43	Q	V				
11+25	0.2077	0.43	Q	V				

11+30	0.2107	0.43	Q	V			
11+35	0.2134	0.40	Q	V			
11+40	0.2160	0.38	Q	V			
11+45	0.2187	0.38	Q	V			
11+50	0.2214	0.39	Q	V			
11+55	0.2241	0.40	Q	V			
12+ 0	0.2269	0.40	Q	V			
12+ 5	0.2304	0.50	Q	V			
12+10	0.2342	0.55	Q	V			
12+15	0.2381	0.56	Q	V			
12+20	0.2420	0.57	Q	V			
12+25	0.2460	0.58	Q	V			
12+30	0.2500	0.58	Q	V			
12+35	0.2542	0.61	Q	V			
12+40	0.2585	0.63	Q	V			
12+45	0.2629	0.63	Q	V			
12+50	0.2673	0.64	Q	V			
12+55	0.2717	0.65	Q	V			
13+ 0	0.2762	0.65	Q	V			
13+ 5	0.2814	0.75	Q	V			
13+10	0.2869	0.80	Q	V			
13+15	0.2924	0.80	Q	V			
13+20	0.2980	0.81	Q	V			
13+25	0.3035	0.81	Q	V			
13+30	0.3091	0.81	Q	V			
13+35	0.3134	0.62	Q	V			
13+40	0.3170	0.52	Q	V			
13+45	0.3205	0.51	Q	V			
13+50	0.3241	0.51	Q	V			
13+55	0.3276	0.51	Q	V			
14+ 0	0.3311	0.51	Q	V			
14+ 5	0.3351	0.57	Q	V			
14+10	0.3392	0.60	Q	V			
14+15	0.3434	0.61	Q	V			
14+20	0.3475	0.59	Q	V			
14+25	0.3515	0.58	Q	V			
14+30	0.3555	0.58	Q	V			
14+35	0.3595	0.58	Q	V			
14+40	0.3635	0.58	Q	V			
14+45	0.3675	0.58	Q	V			
14+50	0.3714	0.57	Q	V			
14+55	0.3753	0.56	Q	V			
15+ 0	0.3792	0.56	Q	V			
15+ 5	0.3829	0.55	Q	V			
15+10	0.3866	0.54	Q	V			
15+15	0.3903	0.54	Q	V			
15+20	0.3939	0.52	Q	V			
15+25	0.3975	0.52	Q	V			
15+30	0.4010	0.51	Q	V			
15+35	0.4042	0.46	Q	V			

15+40	0.4071	0.43	Q				V
15+45	0.4100	0.43	Q				V
15+50	0.4130	0.43	Q				V
15+55	0.4159	0.43	Q				V
16+ 0	0.4188	0.43	Q				V
16+ 5	0.4203	0.21	Q				V
16+10	0.4210	0.10	Q				V
16+15	0.4216	0.09	Q				V
16+20	0.4222	0.09	Q				V
16+25	0.4228	0.09	Q				V
16+30	0.4234	0.09	Q				V
16+35	0.4240	0.08	Q				V
16+40	0.4244	0.07	Q				V
16+45	0.4249	0.07	Q				V
16+50	0.4253	0.07	Q				V
16+55	0.4258	0.07	Q				V
17+ 0	0.4263	0.07	Q				V
17+ 5	0.4269	0.10	Q				V
17+10	0.4277	0.11	Q				V
17+15	0.4285	0.11	Q				V
17+20	0.4292	0.11	Q				V
17+25	0.4300	0.11	Q				V
17+30	0.4308	0.11	Q				V
17+35	0.4315	0.11	Q				V
17+40	0.4323	0.11	Q				V
17+45	0.4331	0.11	Q				V
17+50	0.4338	0.10	Q				V
17+55	0.4344	0.09	Q				V
18+ 0	0.4350	0.09	Q				V
18+ 5	0.4356	0.09	Q				V
18+10	0.4362	0.09	Q				V
18+15	0.4368	0.09	Q				V
18+20	0.4375	0.09	Q				V
18+25	0.4381	0.09	Q				V
18+30	0.4387	0.09	Q				V
18+35	0.4392	0.08	Q				V
18+40	0.4397	0.07	Q				V
18+45	0.4401	0.07	Q				V
18+50	0.4405	0.05	Q				V
18+55	0.4408	0.05	Q				V
19+ 0	0.4411	0.04	Q				V
19+ 5	0.4415	0.06	Q				V
19+10	0.4420	0.07	Q				V
19+15	0.4425	0.07	Q				V
19+20	0.4430	0.08	Q				V
19+25	0.4436	0.09	Q				V
19+30	0.4442	0.09	Q				V
19+35	0.4448	0.08	Q				V
19+40	0.4452	0.07	Q				V
19+45	0.4457	0.07	Q				V

19+50	0.4461	0.05	Q				V
19+55	0.4464	0.05	Q				V
20+ 0	0.4467	0.04	Q				V
20+ 5	0.4471	0.06	Q				V
20+10	0.4475	0.07	Q				V
20+15	0.4480	0.07	Q				V
20+20	0.4485	0.07	Q				V
20+25	0.4489	0.07	Q				V
20+30	0.4494	0.07	Q				V
20+35	0.4499	0.07	Q				V
20+40	0.4503	0.07	Q				V
20+45	0.4508	0.07	Q				V
20+50	0.4511	0.05	Q				V
20+55	0.4515	0.05	Q				V
21+ 0	0.4518	0.04	Q				V
21+ 5	0.4522	0.06	Q				V
21+10	0.4526	0.07	Q				V
21+15	0.4531	0.07	Q				V
21+20	0.4535	0.05	Q				V
21+25	0.4538	0.05	Q				V
21+30	0.4541	0.04	Q				V
21+35	0.4545	0.06	Q				V
21+40	0.4549	0.07	Q				V
21+45	0.4554	0.07	Q				V
21+50	0.4558	0.05	Q				V
21+55	0.4561	0.05	Q				V
22+ 0	0.4564	0.04	Q				V
22+ 5	0.4568	0.06	Q				V
22+10	0.4573	0.07	Q				V
22+15	0.4577	0.07	Q				V
22+20	0.4581	0.05	Q				V
22+25	0.4584	0.05	Q				V
22+30	0.4587	0.04	Q				V
22+35	0.4590	0.04	Q				V
22+40	0.4593	0.04	Q				V
22+45	0.4596	0.04	Q				V
22+50	0.4599	0.04	Q				V
22+55	0.4602	0.04	Q				V
23+ 0	0.4606	0.04	Q				V
23+ 5	0.4609	0.04	Q				V
23+10	0.4612	0.04	Q				V
23+15	0.4615	0.04	Q				V
23+20	0.4618	0.04	Q				V
23+25	0.4621	0.04	Q				V
23+30	0.4624	0.04	Q				V
23+35	0.4627	0.04	Q				V
23+40	0.4630	0.04	Q				V
23+45	0.4633	0.04	Q				V
23+50	0.4636	0.04	Q				V
23+55	0.4639	0.04	Q				V

24+ 0	0.4643	0.04	Q				V
24+ 5	0.4644	0.02	Q				V
24+10	0.4644	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda4610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.755(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.755(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.105	(0.104)	0.027	0.078
2	0.17	0.60	0.126	(0.104)	0.033	0.094
3	0.25	0.60	0.126	(0.104)	0.033	0.094
4	0.33	0.60	0.126	(0.104)	0.033	0.094
5	0.42	0.60	0.126	(0.104)	0.033	0.094
6	0.50	0.70	0.147	(0.104)	0.038	0.109
7	0.58	0.70	0.147	(0.104)	0.038	0.109
8	0.67	0.70	0.147	(0.104)	0.038	0.109
9	0.75	0.70	0.147	(0.104)	0.038	0.109
10	0.83	0.70	0.147	(0.104)	0.038	0.109
11	0.92	0.70	0.147	(0.104)	0.038	0.109
12	1.00	0.80	0.169	(0.104)	0.044	0.125
13	1.08	0.80	0.169	(0.104)	0.044	0.125
14	1.17	0.80	0.169	(0.104)	0.044	0.125
15	1.25	0.80	0.169	(0.104)	0.044	0.125
16	1.33	0.80	0.169	(0.104)	0.044	0.125
17	1.42	0.80	0.169	(0.104)	0.044	0.125
18	1.50	0.80	0.169	(0.104)	0.044	0.125
19	1.58	0.80	0.169	(0.104)	0.044	0.125
20	1.67	0.80	0.169	(0.104)	0.044	0.125
21	1.75	0.80	0.169	(0.104)	0.044	0.125
22	1.83	0.80	0.169	(0.104)	0.044	0.125
23	1.92	0.80	0.169	(0.104)	0.044	0.125
24	2.00	0.90	0.190	(0.104)	0.049	0.140
25	2.08	0.80	0.169	(0.104)	0.044	0.125
26	2.17	0.90	0.190	(0.104)	0.049	0.140
27	2.25	0.90	0.190	(0.104)	0.049	0.140
28	2.33	0.90	0.190	(0.104)	0.049	0.140
29	2.42	0.90	0.190	(0.104)	0.049	0.140
30	2.50	0.90	0.190	(0.104)	0.049	0.140
31	2.58	0.90	0.190	(0.104)	0.049	0.140
32	2.67	0.90	0.190	(0.104)	0.049	0.140
33	2.75	1.00	0.211	(0.104)	0.055	0.156
34	2.83	1.00	0.211	(0.104)	0.055	0.156
35	2.92	1.00	0.211	(0.104)	0.055	0.156
36	3.00	1.00	0.211	(0.104)	0.055	0.156
37	3.08	1.00	0.211	(0.104)	0.055	0.156
38	3.17	1.10	0.232	(0.104)	0.060	0.171
39	3.25	1.10	0.232	(0.104)	0.060	0.171
40	3.33	1.10	0.232	(0.104)	0.060	0.171
41	3.42	1.20	0.253	(0.104)	0.066	0.187
42	3.50	1.30	0.274	(0.104)	0.071	0.203
43	3.58	1.40	0.295	(0.104)	0.077	0.218
44	3.67	1.40	0.295	(0.104)	0.077	0.218
45	3.75	1.50	0.316	(0.104)	0.082	0.234
46	3.83	1.50	0.316	(0.104)	0.082	0.234

47	3.92	1.60	0.337	(0.104)	0.088	0.249
48	4.00	1.60	0.337	(0.104)	0.088	0.249
49	4.08	1.70	0.358	(0.104)	0.093	0.265
50	4.17	1.80	0.379	(0.104)	0.099	0.281
51	4.25	1.90	0.400	(0.104)	0.104	0.296
52	4.33	2.00	0.421	0.104	(0.110)	0.317
53	4.42	2.10	0.442	0.104	(0.115)	0.338
54	4.50	2.10	0.442	0.104	(0.115)	0.338
55	4.58	2.20	0.463	0.104	(0.120)	0.359
56	4.67	2.30	0.484	0.104	(0.126)	0.380
57	4.75	2.40	0.506	0.104	(0.131)	0.401
58	4.83	2.40	0.506	0.104	(0.131)	0.401
59	4.92	2.50	0.527	0.104	(0.137)	0.422
60	5.00	2.60	0.548	0.104	(0.142)	0.443
61	5.08	3.10	0.653	0.104	(0.170)	0.549
62	5.17	3.60	0.758	0.104	(0.197)	0.654
63	5.25	3.90	0.821	0.104	(0.214)	0.717
64	5.33	4.20	0.885	0.104	(0.230)	0.780
65	5.42	4.70	0.990	0.104	(0.257)	0.886
66	5.50	5.60	1.180	0.104	(0.307)	1.075
67	5.58	1.90	0.400	(0.104)	0.104	0.296
68	5.67	0.90	0.190	(0.104)	0.049	0.140
69	5.75	0.60	0.126	(0.104)	0.033	0.094
70	5.83	0.50	0.105	(0.104)	0.027	0.078
71	5.92	0.30	0.063	(0.104)	0.016	0.047
72	6.00	0.20	0.042	(0.104)	0.011	0.031

(Loss Rate Not Used)

Sum = 100.0

Sum = 16.5

Flood volume = Effective rainfall 1.38(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 0.38(In)
Total soil loss = 0.077(Ac.Ft)
Total rainfall = 1.76(In)
Flood volume = 12196.6 Cubic Feet
Total soil loss = 3350.7 Cubic Feet

Peak flow rate of this hydrograph = 2.469(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0008	0.12	Q				
0+10	0.0023	0.21	Q				
0+15	0.0039	0.23	Q				

0+20	0.0055	0.23	Q				
0+25	0.0070	0.23	QV				
0+30	0.0088	0.25	Q				
0+35	0.0106	0.27	Q				
0+40	0.0125	0.27	Q				
0+45	0.0143	0.27	QV				
0+50	0.0162	0.27	QV				
0+55	0.0180	0.27	QV				
1+ 0	0.0200	0.29	QV				
1+ 5	0.0222	0.31	Q V				
1+10	0.0243	0.31	Q V				
1+15	0.0264	0.31	Q V				
1+20	0.0285	0.31	Q V				
1+25	0.0306	0.31	Q V				
1+30	0.0327	0.31	Q V				
1+35	0.0348	0.31	Q V				
1+40	0.0369	0.31	Q V				
1+45	0.0391	0.31	Q V				
1+50	0.0412	0.31	Q V				
1+55	0.0433	0.31	Q V				
2+ 0	0.0456	0.33	Q V				
2+ 5	0.0478	0.32	Q V				
2+10	0.0501	0.33	Q V				
2+15	0.0524	0.34	Q V				
2+20	0.0548	0.35	Q V				
2+25	0.0572	0.35	Q V				
2+30	0.0596	0.35	Q V				
2+35	0.0619	0.35	Q V				
2+40	0.0643	0.35	Q V				
2+45	0.0669	0.37	Q V				
2+50	0.0695	0.38	Q V				
2+55	0.0721	0.38	Q V				
3+ 0	0.0748	0.38	Q V				
3+ 5	0.0774	0.38	Q V				
3+10	0.0802	0.41	Q V				
3+15	0.0831	0.42	Q V				
3+20	0.0860	0.42	Q V				
3+25	0.0891	0.45	Q V				
3+30	0.0924	0.48	Q V				
3+35	0.0960	0.52	Q V				
3+40	0.0997	0.54	Q V				
3+45	0.1036	0.56	Q V				
3+50	0.1075	0.57	Q V				
3+55	0.1117	0.60	Q V				
4+ 0	0.1159	0.61	Q V				
4+ 5	0.1203	0.64	Q V				
4+10	0.1249	0.68	Q V				
4+15	0.1298	0.71	Q V				
4+20	0.1351	0.76	Q V				
4+25	0.1407	0.81	Q V				

4+30	0.1464	0.83	Q		V		
4+35	0.1523	0.86	Q		V		
4+40	0.1586	0.91	Q		V		
4+45	0.1653	0.97	Q		V		
4+50	0.1721	0.99	Q		V		
4+55	0.1791	1.02	Q		V		
5+ 0	0.1865	1.07	Q		V		
5+ 5	0.1951	1.25	Q		V		
5+10	0.2055	1.51	Q		V		
5+15	0.2172	1.70	Q		V		
5+20	0.2300	1.86	Q		V		
5+25	0.2443	2.08	Q		V		
5+30	0.2613	2.47	Q		V		
5+35	0.2710	1.40	Q		V		
5+40	0.2748	0.54	Q		V		
5+45	0.2767	0.28	Q		V		
5+50	0.2782	0.21	Q		V		
5+55	0.2791	0.14	Q		V		
6+ 0	0.2798	0.09	Q		V		
6+ 5	0.2800	0.03	Q		V		
6+10	0.2800	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda4310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.287(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.287(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.201	(0.104)	0.052	0.149
2	0.17	1.30	0.201	(0.104)	0.052	0.149
3	0.25	1.10	0.170	(0.104)	0.044	0.126
4	0.33	1.50	0.232	(0.104)	0.060	0.171
5	0.42	1.50	0.232	(0.104)	0.060	0.171
6	0.50	1.80	0.278	(0.104)	0.072	0.206
7	0.58	1.50	0.232	(0.104)	0.060	0.171
8	0.67	1.80	0.278	(0.104)	0.072	0.206
9	0.75	1.80	0.278	(0.104)	0.072	0.206
10	0.83	1.50	0.232	(0.104)	0.060	0.171
11	0.92	1.60	0.247	(0.104)	0.064	0.183
12	1.00	1.80	0.278	(0.104)	0.072	0.206
13	1.08	2.20	0.340	(0.104)	0.088	0.251
14	1.17	2.20	0.340	(0.104)	0.088	0.251
15	1.25	2.20	0.340	(0.104)	0.088	0.251
16	1.33	2.00	0.309	(0.104)	0.080	0.229
17	1.42	2.60	0.402	0.104	(0.104)	0.297
18	1.50	2.70	0.417	0.104	(0.108)	0.313
19	1.58	2.40	0.371	(0.104)	0.096	0.274
20	1.67	2.70	0.417	0.104	(0.108)	0.313
21	1.75	3.30	0.510	0.104	(0.133)	0.405
22	1.83	3.10	0.479	0.104	(0.125)	0.374
23	1.92	2.90	0.448	0.104	(0.116)	0.344
24	2.00	3.00	0.463	0.104	(0.120)	0.359
25	2.08	3.10	0.479	0.104	(0.125)	0.374
26	2.17	4.20	0.649	0.104	(0.169)	0.544
27	2.25	5.00	0.772	0.104	(0.201)	0.668
28	2.33	3.50	0.541	0.104	(0.141)	0.436
29	2.42	6.80	1.050	0.104	(0.273)	0.946
30	2.50	7.30	1.128	0.104	(0.293)	1.023
31	2.58	8.20	1.267	0.104	(0.329)	1.162
32	2.67	5.90	0.911	0.104	(0.237)	0.807
33	2.75	2.00	0.309	(0.104)	0.080	0.229
34	2.83	1.80	0.278	(0.104)	0.072	0.206
35	2.92	1.80	0.278	(0.104)	0.072	0.206
36	3.00	0.60	0.093	(0.104)	0.024	0.069

(Loss Rate Not Used)

Sum = 100.0

Sum = 12.4

Flood volume = Effective rainfall 1.04(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.25(In)
Total soil loss = 0.051(Ac.Ft)
Total rainfall = 1.29(In)
Flood volume = 9187.3 Cubic Feet
Total soil loss = 2213.9 Cubic Feet

Peak flow rate of this hydrograph = 2.730(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0016	0.23	Q					
0+10	0.0041	0.35	VQ					
0+15	0.0063	0.33	Q					
0+20	0.0090	0.38	Q					
0+25	0.0118	0.42	QV					
0+30	0.0151	0.48	QV					
0+35	0.0182	0.45	Q V					
0+40	0.0215	0.48	Q V					
0+45	0.0250	0.50	Q V					
0+50	0.0281	0.45	Q V					
0+55	0.0311	0.44	Q V					
1+ 0	0.0345	0.49	Q V					
1+ 5	0.0385	0.58	Q V					
1+10	0.0427	0.62	Q V					
1+15	0.0469	0.62	Q V					
1+20	0.0510	0.58	Q V					
1+25	0.0556	0.67	Q V					
1+30	0.0608	0.75	Q V					
1+35	0.0656	0.71	Q V					
1+40	0.0707	0.74	Q V					
1+45	0.0770	0.91	Q V					
1+50	0.0835	0.94	Q V					
1+55	0.0895	0.88	Q V					
2+ 0	0.0955	0.87	Q V					
2+ 5	0.1018	0.91	Q V					
2+10	0.1099	1.19	Q V					
2+15	0.1204	1.52	Q V					
2+20	0.1292	1.27	Q V					
2+25	0.1422	1.89	Q V					
2+30	0.1588	2.41	Q V					
2+35	0.1776	2.73	Q V					
2+40	0.1934	2.29	Q V					
2+45	0.2010	1.10	Q V					
2+50	0.2049	0.57	Q V					
2+55	0.2084	0.51	Q V					
3+ 0	0.2104	0.29	Q V					
3+ 5	0.2109	0.07	Q V					
3+10	0.2109	0.01	Q V					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda4110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 10 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.786(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.786(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	384.860	64.012
2	0.167	769.720	32.861
3	0.250	1154.580	3.127
		Sum = 100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.396	(0.104)	0.103	0.293
2	0.17	4.30	0.405	0.104	(0.105)	0.301
3	0.25	5.00	0.471	0.104	(0.123)	0.367
4	0.33	5.00	0.471	0.104	(0.123)	0.367
5	0.42	5.80	0.547	0.104	(0.142)	0.442
6	0.50	6.50	0.613	0.104	(0.159)	0.508
7	0.58	7.40	0.698	0.104	(0.181)	0.593
8	0.67	8.60	0.811	0.104	(0.211)	0.706
9	0.75	12.30	1.160	0.104	(0.301)	1.055
10	0.83	29.10	2.743	0.104	(0.713)	2.639
11	0.92	6.80	0.641	0.104	(0.167)	0.537
12	1.00	5.00	0.471	0.104	(0.123)	0.367

(Loss Rate Not Used)

Sum = 100.0 Sum = 8.2

Flood volume = Effective rainfall 0.68(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.021(Ac.Ft)
Total rainfall = 0.79(In)
Flood volume = 6034.6 Cubic Feet
Total soil loss = 923.5 Cubic Feet

Peak flow rate of this hydrograph = 5.063(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0032	0.46	VQ				
0+10	0.0081	0.71	Q				
0+15	0.0139	0.84	QV				
0+20	0.0201	0.90	Q V				
0+25	0.0271	1.02	Q V				
0+30	0.0353	1.19	Q	V			
0+35	0.0448	1.38	Q	V			
0+40	0.0560	1.63	Q		V		
0+45	0.0717	2.28		Q		V	
0+50	0.1066	5.06			Q		V
0+55	0.1276	3.06		Q			V

1+ 0	0.1360	1.21		Q				V
1+ 5	0.1383	0.34		Q				V
1+10	0.1385	0.03	Q					V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda4245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 2.581(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.581(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.021	(0.185)	0.005	0.015
2	0.17	0.07	0.021	(0.184)	0.005	0.015
3	0.25	0.07	0.021	(0.184)	0.005	0.015
4	0.33	0.10	0.031	(0.183)	0.008	0.023
5	0.42	0.10	0.031	(0.182)	0.008	0.023
6	0.50	0.10	0.031	(0.181)	0.008	0.023
7	0.58	0.10	0.031	(0.181)	0.008	0.023
8	0.67	0.10	0.031	(0.180)	0.008	0.023
9	0.75	0.10	0.031	(0.179)	0.008	0.023
10	0.83	0.13	0.041	(0.179)	0.011	0.031
11	0.92	0.13	0.041	(0.178)	0.011	0.031
12	1.00	0.13	0.041	(0.177)	0.011	0.031
13	1.08	0.10	0.031	(0.177)	0.008	0.023
14	1.17	0.10	0.031	(0.176)	0.008	0.023
15	1.25	0.10	0.031	(0.175)	0.008	0.023
16	1.33	0.10	0.031	(0.174)	0.008	0.023
17	1.42	0.10	0.031	(0.174)	0.008	0.023
18	1.50	0.10	0.031	(0.173)	0.008	0.023
19	1.58	0.10	0.031	(0.172)	0.008	0.023
20	1.67	0.10	0.031	(0.172)	0.008	0.023
21	1.75	0.10	0.031	(0.171)	0.008	0.023
22	1.83	0.13	0.041	(0.170)	0.011	0.031
23	1.92	0.13	0.041	(0.170)	0.011	0.031
24	2.00	0.13	0.041	(0.169)	0.011	0.031
25	2.08	0.13	0.041	(0.168)	0.011	0.031
26	2.17	0.13	0.041	(0.168)	0.011	0.031
27	2.25	0.13	0.041	(0.167)	0.011	0.031
28	2.33	0.13	0.041	(0.166)	0.011	0.031
29	2.42	0.13	0.041	(0.166)	0.011	0.031
30	2.50	0.13	0.041	(0.165)	0.011	0.031
31	2.58	0.17	0.052	(0.164)	0.013	0.038
32	2.67	0.17	0.052	(0.164)	0.013	0.038
33	2.75	0.17	0.052	(0.163)	0.013	0.038
34	2.83	0.17	0.052	(0.162)	0.013	0.038
35	2.92	0.17	0.052	(0.161)	0.013	0.038
36	3.00	0.17	0.052	(0.161)	0.013	0.038
37	3.08	0.17	0.052	(0.160)	0.013	0.038
38	3.17	0.17	0.052	(0.159)	0.013	0.038
39	3.25	0.17	0.052	(0.159)	0.013	0.038
40	3.33	0.17	0.052	(0.158)	0.013	0.038
41	3.42	0.17	0.052	(0.158)	0.013	0.038
42	3.50	0.17	0.052	(0.157)	0.013	0.038
43	3.58	0.17	0.052	(0.156)	0.013	0.038
44	3.67	0.17	0.052	(0.156)	0.013	0.038
45	3.75	0.17	0.052	(0.155)	0.013	0.038
46	3.83	0.20	0.062	(0.154)	0.016	0.046

47	3.92	0.20	0.062	(0.154)	0.016	0.046
48	4.00	0.20	0.062	(0.153)	0.016	0.046
49	4.08	0.20	0.062	(0.152)	0.016	0.046
50	4.17	0.20	0.062	(0.152)	0.016	0.046
51	4.25	0.20	0.062	(0.151)	0.016	0.046
52	4.33	0.23	0.072	(0.150)	0.019	0.053
53	4.42	0.23	0.072	(0.150)	0.019	0.053
54	4.50	0.23	0.072	(0.149)	0.019	0.053
55	4.58	0.23	0.072	(0.148)	0.019	0.053
56	4.67	0.23	0.072	(0.148)	0.019	0.053
57	4.75	0.23	0.072	(0.147)	0.019	0.053
58	4.83	0.27	0.083	(0.147)	0.021	0.061
59	4.92	0.27	0.083	(0.146)	0.021	0.061
60	5.00	0.27	0.083	(0.145)	0.021	0.061
61	5.08	0.20	0.062	(0.145)	0.016	0.046
62	5.17	0.20	0.062	(0.144)	0.016	0.046
63	5.25	0.20	0.062	(0.143)	0.016	0.046
64	5.33	0.23	0.072	(0.143)	0.019	0.053
65	5.42	0.23	0.072	(0.142)	0.019	0.053
66	5.50	0.23	0.072	(0.141)	0.019	0.053
67	5.58	0.27	0.083	(0.141)	0.021	0.061
68	5.67	0.27	0.083	(0.140)	0.021	0.061
69	5.75	0.27	0.083	(0.140)	0.021	0.061
70	5.83	0.27	0.083	(0.139)	0.021	0.061
71	5.92	0.27	0.083	(0.138)	0.021	0.061
72	6.00	0.27	0.083	(0.138)	0.021	0.061
73	6.08	0.30	0.093	(0.137)	0.024	0.069
74	6.17	0.30	0.093	(0.137)	0.024	0.069
75	6.25	0.30	0.093	(0.136)	0.024	0.069
76	6.33	0.30	0.093	(0.135)	0.024	0.069
77	6.42	0.30	0.093	(0.135)	0.024	0.069
78	6.50	0.30	0.093	(0.134)	0.024	0.069
79	6.58	0.33	0.103	(0.134)	0.027	0.076
80	6.67	0.33	0.103	(0.133)	0.027	0.076
81	6.75	0.33	0.103	(0.132)	0.027	0.076
82	6.83	0.33	0.103	(0.132)	0.027	0.076
83	6.92	0.33	0.103	(0.131)	0.027	0.076
84	7.00	0.33	0.103	(0.131)	0.027	0.076
85	7.08	0.33	0.103	(0.130)	0.027	0.076
86	7.17	0.33	0.103	(0.129)	0.027	0.076
87	7.25	0.33	0.103	(0.129)	0.027	0.076
88	7.33	0.37	0.114	(0.128)	0.030	0.084
89	7.42	0.37	0.114	(0.128)	0.030	0.084
90	7.50	0.37	0.114	(0.127)	0.030	0.084
91	7.58	0.40	0.124	(0.126)	0.032	0.092
92	7.67	0.40	0.124	(0.126)	0.032	0.092
93	7.75	0.40	0.124	(0.125)	0.032	0.092
94	7.83	0.43	0.134	(0.125)	0.035	0.099
95	7.92	0.43	0.134	(0.124)	0.035	0.099
96	8.00	0.43	0.134	(0.124)	0.035	0.099

97	8.08	0.50	0.155	(0.123)	0.040	0.115
98	8.17	0.50	0.155	(0.122)	0.040	0.115
99	8.25	0.50	0.155	(0.122)	0.040	0.115
100	8.33	0.50	0.155	(0.121)	0.040	0.115
101	8.42	0.50	0.155	(0.121)	0.040	0.115
102	8.50	0.50	0.155	(0.120)	0.040	0.115
103	8.58	0.53	0.165	(0.120)	0.043	0.122
104	8.67	0.53	0.165	(0.119)	0.043	0.122
105	8.75	0.53	0.165	(0.118)	0.043	0.122
106	8.83	0.57	0.176	(0.118)	0.046	0.130
107	8.92	0.57	0.176	(0.117)	0.046	0.130
108	9.00	0.57	0.176	(0.117)	0.046	0.130
109	9.08	0.63	0.196	(0.116)	0.051	0.145
110	9.17	0.63	0.196	(0.116)	0.051	0.145
111	9.25	0.63	0.196	(0.115)	0.051	0.145
112	9.33	0.67	0.206	(0.115)	0.054	0.153
113	9.42	0.67	0.206	(0.114)	0.054	0.153
114	9.50	0.67	0.206	(0.113)	0.054	0.153
115	9.58	0.70	0.217	(0.113)	0.056	0.160
116	9.67	0.70	0.217	(0.112)	0.056	0.160
117	9.75	0.70	0.217	(0.112)	0.056	0.160
118	9.83	0.73	0.227	(0.111)	0.059	0.168
119	9.92	0.73	0.227	(0.111)	0.059	0.168
120	10.00	0.73	0.227	(0.110)	0.059	0.168
121	10.08	0.50	0.155	(0.110)	0.040	0.115
122	10.17	0.50	0.155	(0.109)	0.040	0.115
123	10.25	0.50	0.155	(0.109)	0.040	0.115
124	10.33	0.50	0.155	(0.108)	0.040	0.115
125	10.42	0.50	0.155	(0.108)	0.040	0.115
126	10.50	0.50	0.155	(0.107)	0.040	0.115
127	10.58	0.67	0.206	(0.107)	0.054	0.153
128	10.67	0.67	0.206	(0.106)	0.054	0.153
129	10.75	0.67	0.206	(0.105)	0.054	0.153
130	10.83	0.67	0.206	(0.105)	0.054	0.153
131	10.92	0.67	0.206	(0.104)	0.054	0.153
132	11.00	0.67	0.206	(0.104)	0.054	0.153
133	11.08	0.63	0.196	(0.103)	0.051	0.145
134	11.17	0.63	0.196	(0.103)	0.051	0.145
135	11.25	0.63	0.196	(0.102)	0.051	0.145
136	11.33	0.63	0.196	(0.102)	0.051	0.145
137	11.42	0.63	0.196	(0.101)	0.051	0.145
138	11.50	0.63	0.196	(0.101)	0.051	0.145
139	11.58	0.57	0.176	(0.100)	0.046	0.130
140	11.67	0.57	0.176	(0.100)	0.046	0.130
141	11.75	0.57	0.176	(0.099)	0.046	0.130
142	11.83	0.60	0.186	(0.099)	0.048	0.138
143	11.92	0.60	0.186	(0.098)	0.048	0.138
144	12.00	0.60	0.186	(0.098)	0.048	0.138
145	12.08	0.83	0.258	(0.097)	0.067	0.191
146	12.17	0.83	0.258	(0.097)	0.067	0.191

147	12.25	0.83	0.258	(0.096)	0.067	0.191
148	12.33	0.87	0.268	(0.096)	0.070	0.199
149	12.42	0.87	0.268	(0.096)	0.070	0.199
150	12.50	0.87	0.268	(0.095)	0.070	0.199
151	12.58	0.93	0.289	(0.095)	0.075	0.214
152	12.67	0.93	0.289	(0.094)	0.075	0.214
153	12.75	0.93	0.289	(0.094)	0.075	0.214
154	12.83	0.97	0.299	(0.093)	0.078	0.222
155	12.92	0.97	0.299	(0.093)	0.078	0.222
156	13.00	0.97	0.299	(0.092)	0.078	0.222
157	13.08	1.13	0.351	(0.092)	0.091	0.260
158	13.17	1.13	0.351	0.091	(0.091)	0.260
159	13.25	1.13	0.351	0.091	(0.091)	0.260
160	13.33	1.13	0.351	0.090	(0.091)	0.261
161	13.42	1.13	0.351	0.090	(0.091)	0.261
162	13.50	1.13	0.351	0.089	(0.091)	0.262
163	13.58	0.77	0.237	(0.089)	0.062	0.176
164	13.67	0.77	0.237	(0.088)	0.062	0.176
165	13.75	0.77	0.237	(0.088)	0.062	0.176
166	13.83	0.77	0.237	(0.088)	0.062	0.176
167	13.92	0.77	0.237	(0.087)	0.062	0.176
168	14.00	0.77	0.237	(0.087)	0.062	0.176
169	14.08	0.90	0.279	(0.086)	0.072	0.206
170	14.17	0.90	0.279	(0.086)	0.072	0.206
171	14.25	0.90	0.279	(0.085)	0.072	0.206
172	14.33	0.87	0.268	(0.085)	0.070	0.199
173	14.42	0.87	0.268	(0.085)	0.070	0.199
174	14.50	0.87	0.268	(0.084)	0.070	0.199
175	14.58	0.87	0.268	(0.084)	0.070	0.199
176	14.67	0.87	0.268	(0.083)	0.070	0.199
177	14.75	0.87	0.268	(0.083)	0.070	0.199
178	14.83	0.83	0.258	(0.082)	0.067	0.191
179	14.92	0.83	0.258	(0.082)	0.067	0.191
180	15.00	0.83	0.258	(0.082)	0.067	0.191
181	15.08	0.80	0.248	(0.081)	0.064	0.183
182	15.17	0.80	0.248	(0.081)	0.064	0.183
183	15.25	0.80	0.248	(0.080)	0.064	0.183
184	15.33	0.77	0.237	(0.080)	0.062	0.176
185	15.42	0.77	0.237	(0.079)	0.062	0.176
186	15.50	0.77	0.237	(0.079)	0.062	0.176
187	15.58	0.63	0.196	(0.079)	0.051	0.145
188	15.67	0.63	0.196	(0.078)	0.051	0.145
189	15.75	0.63	0.196	(0.078)	0.051	0.145
190	15.83	0.63	0.196	(0.077)	0.051	0.145
191	15.92	0.63	0.196	(0.077)	0.051	0.145
192	16.00	0.63	0.196	(0.077)	0.051	0.145
193	16.08	0.13	0.041	(0.076)	0.011	0.031
194	16.17	0.13	0.041	(0.076)	0.011	0.031
195	16.25	0.13	0.041	(0.075)	0.011	0.031
196	16.33	0.13	0.041	(0.075)	0.011	0.031

197	16.42	0.13	0.041	(0.075)	0.011	0.031
198	16.50	0.13	0.041	(0.074)	0.011	0.031
199	16.58	0.10	0.031	(0.074)	0.008	0.023
200	16.67	0.10	0.031	(0.074)	0.008	0.023
201	16.75	0.10	0.031	(0.073)	0.008	0.023
202	16.83	0.10	0.031	(0.073)	0.008	0.023
203	16.92	0.10	0.031	(0.072)	0.008	0.023
204	17.00	0.10	0.031	(0.072)	0.008	0.023
205	17.08	0.17	0.052	(0.072)	0.013	0.038
206	17.17	0.17	0.052	(0.071)	0.013	0.038
207	17.25	0.17	0.052	(0.071)	0.013	0.038
208	17.33	0.17	0.052	(0.071)	0.013	0.038
209	17.42	0.17	0.052	(0.070)	0.013	0.038
210	17.50	0.17	0.052	(0.070)	0.013	0.038
211	17.58	0.17	0.052	(0.070)	0.013	0.038
212	17.67	0.17	0.052	(0.069)	0.013	0.038
213	17.75	0.17	0.052	(0.069)	0.013	0.038
214	17.83	0.13	0.041	(0.069)	0.011	0.031
215	17.92	0.13	0.041	(0.068)	0.011	0.031
216	18.00	0.13	0.041	(0.068)	0.011	0.031
217	18.08	0.13	0.041	(0.068)	0.011	0.031
218	18.17	0.13	0.041	(0.067)	0.011	0.031
219	18.25	0.13	0.041	(0.067)	0.011	0.031
220	18.33	0.13	0.041	(0.067)	0.011	0.031
221	18.42	0.13	0.041	(0.066)	0.011	0.031
222	18.50	0.13	0.041	(0.066)	0.011	0.031
223	18.58	0.10	0.031	(0.066)	0.008	0.023
224	18.67	0.10	0.031	(0.065)	0.008	0.023
225	18.75	0.10	0.031	(0.065)	0.008	0.023
226	18.83	0.07	0.021	(0.065)	0.005	0.015
227	18.92	0.07	0.021	(0.064)	0.005	0.015
228	19.00	0.07	0.021	(0.064)	0.005	0.015
229	19.08	0.10	0.031	(0.064)	0.008	0.023
230	19.17	0.10	0.031	(0.063)	0.008	0.023
231	19.25	0.10	0.031	(0.063)	0.008	0.023
232	19.33	0.13	0.041	(0.063)	0.011	0.031
233	19.42	0.13	0.041	(0.063)	0.011	0.031
234	19.50	0.13	0.041	(0.062)	0.011	0.031
235	19.58	0.10	0.031	(0.062)	0.008	0.023
236	19.67	0.10	0.031	(0.062)	0.008	0.023
237	19.75	0.10	0.031	(0.061)	0.008	0.023
238	19.83	0.07	0.021	(0.061)	0.005	0.015
239	19.92	0.07	0.021	(0.061)	0.005	0.015
240	20.00	0.07	0.021	(0.061)	0.005	0.015
241	20.08	0.10	0.031	(0.060)	0.008	0.023
242	20.17	0.10	0.031	(0.060)	0.008	0.023
243	20.25	0.10	0.031	(0.060)	0.008	0.023
244	20.33	0.10	0.031	(0.060)	0.008	0.023
245	20.42	0.10	0.031	(0.059)	0.008	0.023
246	20.50	0.10	0.031	(0.059)	0.008	0.023

247	20.58	0.10	0.031	(0.059)	0.008	0.023
248	20.67	0.10	0.031	(0.059)	0.008	0.023
249	20.75	0.10	0.031	(0.058)	0.008	0.023
250	20.83	0.07	0.021	(0.058)	0.005	0.015
251	20.92	0.07	0.021	(0.058)	0.005	0.015
252	21.00	0.07	0.021	(0.058)	0.005	0.015
253	21.08	0.10	0.031	(0.057)	0.008	0.023
254	21.17	0.10	0.031	(0.057)	0.008	0.023
255	21.25	0.10	0.031	(0.057)	0.008	0.023
256	21.33	0.07	0.021	(0.057)	0.005	0.015
257	21.42	0.07	0.021	(0.057)	0.005	0.015
258	21.50	0.07	0.021	(0.056)	0.005	0.015
259	21.58	0.10	0.031	(0.056)	0.008	0.023
260	21.67	0.10	0.031	(0.056)	0.008	0.023
261	21.75	0.10	0.031	(0.056)	0.008	0.023
262	21.83	0.07	0.021	(0.055)	0.005	0.015
263	21.92	0.07	0.021	(0.055)	0.005	0.015
264	22.00	0.07	0.021	(0.055)	0.005	0.015
265	22.08	0.10	0.031	(0.055)	0.008	0.023
266	22.17	0.10	0.031	(0.055)	0.008	0.023
267	22.25	0.10	0.031	(0.055)	0.008	0.023
268	22.33	0.07	0.021	(0.054)	0.005	0.015
269	22.42	0.07	0.021	(0.054)	0.005	0.015
270	22.50	0.07	0.021	(0.054)	0.005	0.015
271	22.58	0.07	0.021	(0.054)	0.005	0.015
272	22.67	0.07	0.021	(0.054)	0.005	0.015
273	22.75	0.07	0.021	(0.054)	0.005	0.015
274	22.83	0.07	0.021	(0.053)	0.005	0.015
275	22.92	0.07	0.021	(0.053)	0.005	0.015
276	23.00	0.07	0.021	(0.053)	0.005	0.015
277	23.08	0.07	0.021	(0.053)	0.005	0.015
278	23.17	0.07	0.021	(0.053)	0.005	0.015
279	23.25	0.07	0.021	(0.053)	0.005	0.015
280	23.33	0.07	0.021	(0.053)	0.005	0.015
281	23.42	0.07	0.021	(0.053)	0.005	0.015
282	23.50	0.07	0.021	(0.053)	0.005	0.015
283	23.58	0.07	0.021	(0.052)	0.005	0.015
284	23.67	0.07	0.021	(0.052)	0.005	0.015
285	23.75	0.07	0.021	(0.052)	0.005	0.015
286	23.83	0.07	0.021	(0.052)	0.005	0.015
287	23.92	0.07	0.021	(0.052)	0.005	0.015
288	24.00	0.07	0.021	(0.052)	0.005	0.015

(Loss Rate Not Used)

Sum = 100.0

Sum = 22.9

Flood volume = Effective rainfall 1.91(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)

Total soil loss = 0.67(In)

Total soil loss = 0.136(Ac.Ft)

Total rainfall = 2.58(In)

Flood volume = 16921.1 Cubic Feet

Total soil loss = 5940.5 Cubic Feet

Peak flow rate of this hydrograph = 0.643(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.02	Q				
0+10	0.0004	0.04	Q				
0+15	0.0007	0.04	Q				
0+20	0.0010	0.05	Q				
0+25	0.0014	0.06	Q				
0+30	0.0018	0.06	Q				
0+35	0.0022	0.06	Q				
0+40	0.0026	0.06	Q				
0+45	0.0030	0.06	Q				
0+50	0.0034	0.07	Q				
0+55	0.0039	0.07	Q				
1+ 0	0.0045	0.08	Q				
1+ 5	0.0049	0.06	Q				
1+10	0.0053	0.06	Q				
1+15	0.0057	0.06	Q				
1+20	0.0061	0.06	Q				
1+25	0.0065	0.06	Q				
1+30	0.0068	0.06	Q				
1+35	0.0072	0.06	Q				
1+40	0.0076	0.06	Q				
1+45	0.0080	0.06	Q				
1+50	0.0085	0.07	Q				
1+55	0.0090	0.07	Q				
2+ 0	0.0095	0.08	Q				
2+ 5	0.0100	0.08	QV				
2+10	0.0105	0.08	QV				
2+15	0.0111	0.08	QV				
2+20	0.0116	0.08	QV				
2+25	0.0121	0.08	QV				
2+30	0.0126	0.08	QV				
2+35	0.0132	0.09	QV				
2+40	0.0139	0.09	QV				
2+45	0.0145	0.09	QV				
2+50	0.0152	0.09	QV				
2+55	0.0158	0.09	QV				
3+ 0	0.0164	0.09	QV				
3+ 5	0.0171	0.09	QV				

3+10	0.0177	0.09	QV				
3+15	0.0184	0.09	QV				
3+20	0.0190	0.09	QV				
3+25	0.0197	0.09	Q V				
3+30	0.0203	0.09	Q V				
3+35	0.0210	0.09	Q V				
3+40	0.0216	0.09	Q V				
3+45	0.0223	0.09	Q V				
3+50	0.0230	0.11	Q V				
3+55	0.0238	0.11	Q V				
4+ 0	0.0246	0.11	Q V				
4+ 5	0.0253	0.11	Q V				
4+10	0.0261	0.11	Q V				
4+15	0.0269	0.11	Q V				
4+20	0.0277	0.12	Q V				
4+25	0.0286	0.13	Q V				
4+30	0.0296	0.13	Q V				
4+35	0.0305	0.13	Q V				
4+40	0.0314	0.13	Q V				
4+45	0.0323	0.13	Q V				
4+50	0.0333	0.14	Q V				
4+55	0.0343	0.15	Q V				
5+ 0	0.0353	0.15	Q V				
5+ 5	0.0362	0.13	Q V				
5+10	0.0370	0.11	Q V				
5+15	0.0378	0.11	Q V				
5+20	0.0386	0.12	Q V				
5+25	0.0395	0.13	Q V				
5+30	0.0404	0.13	Q V				
5+35	0.0414	0.14	Q V				
5+40	0.0424	0.15	Q V				
5+45	0.0435	0.15	Q V				
5+50	0.0445	0.15	Q V				
5+55	0.0456	0.15	Q V				
6+ 0	0.0466	0.15	Q V				
6+ 5	0.0477	0.16	Q V				
6+10	0.0489	0.17	Q V				
6+15	0.0500	0.17	Q V				
6+20	0.0512	0.17	Q V				
6+25	0.0524	0.17	Q V				
6+30	0.0535	0.17	Q V				
6+35	0.0548	0.18	Q V				
6+40	0.0561	0.19	Q V				
6+45	0.0574	0.19	Q V				
6+50	0.0587	0.19	Q V				
6+55	0.0600	0.19	Q V				
7+ 0	0.0612	0.19	Q V				
7+ 5	0.0625	0.19	Q V				
7+10	0.0638	0.19	Q V				
7+15	0.0651	0.19	Q V				

7+20	0.0665	0.20	Q	V				
7+25	0.0679	0.21	Q	V				
7+30	0.0694	0.21	Q	V				
7+35	0.0709	0.22	Q	V				
7+40	0.0724	0.22	Q	V				
7+45	0.0740	0.23	Q	V				
7+50	0.0756	0.24	Q	V				
7+55	0.0773	0.24	Q	V				
8+ 0	0.0790	0.24	Q	V				
8+ 5	0.0808	0.27	Q	V				
8+10	0.0827	0.28	Q	V				
8+15	0.0847	0.28	Q	V				
8+20	0.0866	0.28	Q	V				
8+25	0.0886	0.28	Q	V				
8+30	0.0905	0.28	Q	V				
8+35	0.0925	0.29	Q	V				
8+40	0.0946	0.30	Q	V				
8+45	0.0967	0.30	Q	V				
8+50	0.0988	0.31	Q	V				
8+55	0.1010	0.32	Q	V				
9+ 0	0.1032	0.32	Q	V				
9+ 5	0.1056	0.34	Q	V				
9+10	0.1080	0.36	Q	V				
9+15	0.1105	0.36	Q	V				
9+20	0.1130	0.37	Q	V				
9+25	0.1156	0.38	Q	V				
9+30	0.1182	0.38	Q	V				
9+35	0.1209	0.39	Q	V				
9+40	0.1236	0.39	Q	V				
9+45	0.1263	0.39	Q	V				
9+50	0.1291	0.41	Q	V				
9+55	0.1320	0.41	Q	V				
10+ 0	0.1348	0.41	Q	V				
10+ 5	0.1371	0.33	Q	V				
10+10	0.1391	0.29	Q	V				
10+15	0.1410	0.28	Q	V				
10+20	0.1429	0.28	Q	V				
10+25	0.1449	0.28	Q	V				
10+30	0.1468	0.28	Q	V				
10+35	0.1492	0.34	Q	V				
10+40	0.1517	0.37	Q	V				
10+45	0.1543	0.38	Q	V				
10+50	0.1569	0.38	Q	V				
10+55	0.1595	0.38	Q	V				
11+ 0	0.1621	0.38	Q	V				
11+ 5	0.1646	0.36	Q	V				
11+10	0.1671	0.36	Q	V				
11+15	0.1695	0.36	Q	V				
11+20	0.1720	0.36	Q	V				
11+25	0.1745	0.36	Q	V				

11+30	0.1769	0.36	Q	V			
11+35	0.1792	0.33	Q	V			
11+40	0.1814	0.32	Q	V			
11+45	0.1836	0.32	Q	V			
11+50	0.1859	0.33	Q	V			
11+55	0.1882	0.34	Q	V			
12+ 0	0.1906	0.34	Q	V			
12+ 5	0.1935	0.42	Q	V			
12+10	0.1967	0.47	Q	V			
12+15	0.1999	0.47	Q	V			
12+20	0.2032	0.48	Q	V			
12+25	0.2066	0.49	Q	V			
12+30	0.2100	0.49	Q	V			
12+35	0.2135	0.51	Q	V			
12+40	0.2171	0.53	Q	V			
12+45	0.2207	0.53	Q	V			
12+50	0.2244	0.54	Q	V			
12+55	0.2282	0.54	Q	V			
13+ 0	0.2319	0.55	Q	V			
13+ 5	0.2361	0.61	Q	V			
13+10	0.2405	0.64	Q	V			
13+15	0.2449	0.64	Q	V			
13+20	0.2493	0.64	Q	V			
13+25	0.2537	0.64	Q	V			
13+30	0.2582	0.64	Q	V			
13+35	0.2617	0.51	Q	V			
13+40	0.2647	0.44	Q	V			
13+45	0.2677	0.43	Q	V			
13+50	0.2706	0.43	Q	V			
13+55	0.2736	0.43	Q	V			
14+ 0	0.2766	0.43	Q	V			
14+ 5	0.2799	0.48	Q	V			
14+10	0.2834	0.51	Q	V			
14+15	0.2869	0.51	Q	V			
14+20	0.2903	0.50	Q	V			
14+25	0.2937	0.49	Q	V			
14+30	0.2970	0.49	Q	V			
14+35	0.3004	0.49	Q	V			
14+40	0.3038	0.49	Q	V			
14+45	0.3071	0.49	Q	V			
14+50	0.3104	0.48	Q	V			
14+55	0.3137	0.47	Q	V			
15+ 0	0.3169	0.47	Q	V			
15+ 5	0.3200	0.46	Q	V			
15+10	0.3232	0.45	Q	V			
15+15	0.3263	0.45	Q	V			
15+20	0.3293	0.44	Q	V			
15+25	0.3323	0.43	Q	V			
15+30	0.3352	0.43	Q	V			
15+35	0.3379	0.38	Q	V			

15+40	0.3404	0.36	Q				V
15+45	0.3428	0.36	Q				V
15+50	0.3453	0.36	Q				V
15+55	0.3477	0.36	Q				V
16+ 0	0.3502	0.36	Q				V
16+ 5	0.3514	0.18	Q				V
16+10	0.3520	0.08	Q				V
16+15	0.3525	0.08	Q				V
16+20	0.3530	0.08	Q				V
16+25	0.3536	0.08	Q				V
16+30	0.3541	0.08	Q				V
16+35	0.3545	0.06	Q				V
16+40	0.3549	0.06	Q				V
16+45	0.3553	0.06	Q				V
16+50	0.3557	0.06	Q				V
16+55	0.3561	0.06	Q				V
17+ 0	0.3565	0.06	Q				V
17+ 5	0.3570	0.08	Q				V
17+10	0.3576	0.09	Q				V
17+15	0.3583	0.09	Q				V
17+20	0.3589	0.09	Q				V
17+25	0.3596	0.09	Q				V
17+30	0.3602	0.09	Q				V
17+35	0.3609	0.09	Q				V
17+40	0.3615	0.09	Q				V
17+45	0.3622	0.09	Q				V
17+50	0.3627	0.08	Q				V
17+55	0.3633	0.08	Q				V
18+ 0	0.3638	0.08	Q				V
18+ 5	0.3643	0.08	Q				V
18+10	0.3648	0.08	Q				V
18+15	0.3653	0.08	Q				V
18+20	0.3659	0.08	Q				V
18+25	0.3664	0.08	Q				V
18+30	0.3669	0.08	Q				V
18+35	0.3673	0.06	Q				V
18+40	0.3677	0.06	Q				V
18+45	0.3681	0.06	Q				V
18+50	0.3684	0.04	Q				V
18+55	0.3687	0.04	Q				V
19+ 0	0.3689	0.04	Q				V
19+ 5	0.3693	0.05	Q				V
19+10	0.3697	0.06	Q				V
19+15	0.3700	0.06	Q				V
19+20	0.3705	0.07	Q				V
19+25	0.3710	0.07	Q				V
19+30	0.3716	0.08	Q				V
19+35	0.3720	0.06	Q				V
19+40	0.3724	0.06	Q				V
19+45	0.3728	0.06	Q				V

19+50	0.3731	0.04	Q				V
19+55	0.3733	0.04	Q				V
20+ 0	0.3736	0.04	Q				V
20+ 5	0.3739	0.05	Q				V
20+10	0.3743	0.06	Q				V
20+15	0.3747	0.06	Q				V
20+20	0.3751	0.06	Q				V
20+25	0.3755	0.06	Q				V
20+30	0.3759	0.06	Q				V
20+35	0.3763	0.06	Q				V
20+40	0.3767	0.06	Q				V
20+45	0.3770	0.06	Q				V
20+50	0.3773	0.04	Q				V
20+55	0.3776	0.04	Q				V
21+ 0	0.3779	0.04	Q				V
21+ 5	0.3782	0.05	Q				V
21+10	0.3786	0.06	Q				V
21+15	0.3790	0.06	Q				V
21+20	0.3793	0.04	Q				V
21+25	0.3795	0.04	Q				V
21+30	0.3798	0.04	Q				V
21+35	0.3802	0.05	Q				V
21+40	0.3805	0.06	Q				V
21+45	0.3809	0.06	Q				V
21+50	0.3812	0.04	Q				V
21+55	0.3815	0.04	Q				V
22+ 0	0.3818	0.04	Q				V
22+ 5	0.3821	0.05	Q				V
22+10	0.3825	0.06	Q				V
22+15	0.3829	0.06	Q				V
22+20	0.3832	0.04	Q				V
22+25	0.3834	0.04	Q				V
22+30	0.3837	0.04	Q				V
22+35	0.3840	0.04	Q				V
22+40	0.3842	0.04	Q				V
22+45	0.3845	0.04	Q				V
22+50	0.3847	0.04	Q				V
22+55	0.3850	0.04	Q				V
23+ 0	0.3852	0.04	Q				V
23+ 5	0.3855	0.04	Q				V
23+10	0.3858	0.04	Q				V
23+15	0.3860	0.04	Q				V
23+20	0.3863	0.04	Q				V
23+25	0.3865	0.04	Q				V
23+30	0.3868	0.04	Q				V
23+35	0.3871	0.04	Q				V
23+40	0.3873	0.04	Q				V
23+45	0.3876	0.04	Q				V
23+50	0.3878	0.04	Q				V
23+55	0.3881	0.04	Q				V

24+ 0	0.3884	0.04	Q				V
24+ 5	0.3884	0.01	Q				V
24+10	0.3885	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda465.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.486(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.486(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.089	(0.104)	0.023	0.066
2	0.17	0.60	0.107	(0.104)	0.028	0.079
3	0.25	0.60	0.107	(0.104)	0.028	0.079
4	0.33	0.60	0.107	(0.104)	0.028	0.079
5	0.42	0.60	0.107	(0.104)	0.028	0.079
6	0.50	0.70	0.125	(0.104)	0.032	0.092
7	0.58	0.70	0.125	(0.104)	0.032	0.092
8	0.67	0.70	0.125	(0.104)	0.032	0.092
9	0.75	0.70	0.125	(0.104)	0.032	0.092
10	0.83	0.70	0.125	(0.104)	0.032	0.092
11	0.92	0.70	0.125	(0.104)	0.032	0.092
12	1.00	0.80	0.143	(0.104)	0.037	0.106
13	1.08	0.80	0.143	(0.104)	0.037	0.106
14	1.17	0.80	0.143	(0.104)	0.037	0.106
15	1.25	0.80	0.143	(0.104)	0.037	0.106
16	1.33	0.80	0.143	(0.104)	0.037	0.106
17	1.42	0.80	0.143	(0.104)	0.037	0.106
18	1.50	0.80	0.143	(0.104)	0.037	0.106
19	1.58	0.80	0.143	(0.104)	0.037	0.106
20	1.67	0.80	0.143	(0.104)	0.037	0.106
21	1.75	0.80	0.143	(0.104)	0.037	0.106
22	1.83	0.80	0.143	(0.104)	0.037	0.106
23	1.92	0.80	0.143	(0.104)	0.037	0.106
24	2.00	0.90	0.160	(0.104)	0.042	0.119
25	2.08	0.80	0.143	(0.104)	0.037	0.106
26	2.17	0.90	0.160	(0.104)	0.042	0.119
27	2.25	0.90	0.160	(0.104)	0.042	0.119
28	2.33	0.90	0.160	(0.104)	0.042	0.119
29	2.42	0.90	0.160	(0.104)	0.042	0.119
30	2.50	0.90	0.160	(0.104)	0.042	0.119
31	2.58	0.90	0.160	(0.104)	0.042	0.119
32	2.67	0.90	0.160	(0.104)	0.042	0.119
33	2.75	1.00	0.178	(0.104)	0.046	0.132
34	2.83	1.00	0.178	(0.104)	0.046	0.132
35	2.92	1.00	0.178	(0.104)	0.046	0.132
36	3.00	1.00	0.178	(0.104)	0.046	0.132
37	3.08	1.00	0.178	(0.104)	0.046	0.132
38	3.17	1.10	0.196	(0.104)	0.051	0.145
39	3.25	1.10	0.196	(0.104)	0.051	0.145
40	3.33	1.10	0.196	(0.104)	0.051	0.145
41	3.42	1.20	0.214	(0.104)	0.056	0.158
42	3.50	1.30	0.232	(0.104)	0.060	0.172
43	3.58	1.40	0.250	(0.104)	0.065	0.185
44	3.67	1.40	0.250	(0.104)	0.065	0.185
45	3.75	1.50	0.267	(0.104)	0.070	0.198
46	3.83	1.50	0.267	(0.104)	0.070	0.198

47	3.92	1.60	0.285	(0.104)	0.074	0.211
48	4.00	1.60	0.285	(0.104)	0.074	0.211
49	4.08	1.70	0.303	(0.104)	0.079	0.224
50	4.17	1.80	0.321	(0.104)	0.083	0.238
51	4.25	1.90	0.339	(0.104)	0.088	0.251
52	4.33	2.00	0.357	(0.104)	0.093	0.264
53	4.42	2.10	0.374	(0.104)	0.097	0.277
54	4.50	2.10	0.374	(0.104)	0.097	0.277
55	4.58	2.20	0.392	(0.104)	0.102	0.290
56	4.67	2.30	0.410	0.104	(0.107)	0.306
57	4.75	2.40	0.428	0.104	(0.111)	0.324
58	4.83	2.40	0.428	0.104	(0.111)	0.324
59	4.92	2.50	0.446	0.104	(0.116)	0.341
60	5.00	2.60	0.464	0.104	(0.121)	0.359
61	5.08	3.10	0.553	0.104	(0.144)	0.448
62	5.17	3.60	0.642	0.104	(0.167)	0.538
63	5.25	3.90	0.695	0.104	(0.181)	0.591
64	5.33	4.20	0.749	0.104	(0.195)	0.645
65	5.42	4.70	0.838	0.104	(0.218)	0.734
66	5.50	5.60	0.999	0.104	(0.260)	0.894
67	5.58	1.90	0.339	(0.104)	0.088	0.251
68	5.67	0.90	0.160	(0.104)	0.042	0.119
69	5.75	0.60	0.107	(0.104)	0.028	0.079
70	5.83	0.50	0.089	(0.104)	0.023	0.066
71	5.92	0.30	0.053	(0.104)	0.014	0.040
72	6.00	0.20	0.036	(0.104)	0.009	0.026

(Loss Rate Not Used)

Sum = 100.0

Sum = 13.8

Flood volume = Effective rainfall 1.15(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.34(In)
Total soil loss = 0.069(Ac.Ft)
Total rainfall = 1.49(In)
Flood volume = 10168.7 Cubic Feet
Total soil loss = 2993.2 Cubic Feet

Peak flow rate of this hydrograph = 2.051(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0007	0.10	Q				
0+10	0.0019	0.18	Q				
0+15	0.0033	0.19	Q				

0+20	0.0046	0.19	Q				
0+25	0.0060	0.19	QV				
0+30	0.0074	0.22	QV				
0+35	0.0090	0.23	QV				
0+40	0.0106	0.23	QV				
0+45	0.0121	0.23	Q V				
0+50	0.0137	0.23	Q V				
0+55	0.0153	0.23	Q V				
1+ 0	0.0170	0.25	Q V				
1+ 5	0.0188	0.26	Q V				
1+10	0.0205	0.26	Q V				
1+15	0.0223	0.26	Q V				
1+20	0.0241	0.26	Q V				
1+25	0.0259	0.26	Q V				
1+30	0.0277	0.26	Q V				
1+35	0.0295	0.26	Q V				
1+40	0.0313	0.26	Q V				
1+45	0.0331	0.26	Q V				
1+50	0.0349	0.26	Q V				
1+55	0.0366	0.26	Q V				
2+ 0	0.0386	0.28	Q V				
2+ 5	0.0404	0.27	Q V				
2+10	0.0424	0.28	Q V				
2+15	0.0444	0.29	Q V				
2+20	0.0464	0.29	Q V				
2+25	0.0484	0.29	Q V				
2+30	0.0504	0.29	Q V				
2+35	0.0524	0.29	Q V				
2+40	0.0544	0.29	Q V				
2+45	0.0566	0.31	Q V				
2+50	0.0588	0.32	Q V				
2+55	0.0611	0.32	Q V				
3+ 0	0.0633	0.32	Q V				
3+ 5	0.0655	0.32	Q V				
3+10	0.0679	0.35	Q V				
3+15	0.0704	0.36	Q V				
3+20	0.0728	0.36	Q V				
3+25	0.0754	0.38	Q V				
3+30	0.0782	0.41	Q V				
3+35	0.0813	0.44	Q V				
3+40	0.0844	0.45	Q V				
3+45	0.0877	0.48	Q V				
3+50	0.0910	0.49	Q V				
3+55	0.0945	0.51	Q V				
4+ 0	0.0981	0.52	Q V				
4+ 5	0.1018	0.54	Q V				
4+10	0.1058	0.57	Q V				
4+15	0.1099	0.60	Q V				
4+20	0.1143	0.64	Q V				
4+25	0.1189	0.67	Q V				

4+30	0.1236	0.68	Q		V		
4+35	0.1284	0.70	Q		V		
4+40	0.1335	0.74	Q		V		
4+45	0.1389	0.78	Q		V		
4+50	0.1444	0.79	Q		V		
4+55	0.1500	0.82	Q		V		
5+ 0	0.1560	0.87	Q		V		
5+ 5	0.1630	1.02	Q		V		
5+10	0.1716	1.24	Q		V		
5+15	0.1812	1.40	Q		V		
5+20	0.1918	1.53	Q		V		
5+25	0.2036	1.72	Q		V		
5+30	0.2178	2.05	Q		V		
5+35	0.2258	1.17	Q		V		
5+40	0.2290	0.46	Q		V		
5+45	0.2307	0.24	Q		V		
5+50	0.2319	0.18	Q		V		
5+55	0.2327	0.12	Q		V		
6+ 0	0.2333	0.08	Q		V		
6+ 5	0.2334	0.02	Q		V		
6+10	0.2334	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda435.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 1.085(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.085(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.169	(0.104)	0.044	0.125
2	0.17	1.30	0.169	(0.104)	0.044	0.125
3	0.25	1.10	0.143	(0.104)	0.037	0.106
4	0.33	1.50	0.195	(0.104)	0.051	0.144
5	0.42	1.50	0.195	(0.104)	0.051	0.144
6	0.50	1.80	0.234	(0.104)	0.061	0.173
7	0.58	1.50	0.195	(0.104)	0.051	0.144
8	0.67	1.80	0.234	(0.104)	0.061	0.173
9	0.75	1.80	0.234	(0.104)	0.061	0.173
10	0.83	1.50	0.195	(0.104)	0.051	0.144
11	0.92	1.60	0.208	(0.104)	0.054	0.154
12	1.00	1.80	0.234	(0.104)	0.061	0.173
13	1.08	2.20	0.286	(0.104)	0.074	0.212
14	1.17	2.20	0.286	(0.104)	0.074	0.212
15	1.25	2.20	0.286	(0.104)	0.074	0.212
16	1.33	2.00	0.260	(0.104)	0.068	0.193
17	1.42	2.60	0.338	(0.104)	0.088	0.250
18	1.50	2.70	0.351	(0.104)	0.091	0.260
19	1.58	2.40	0.312	(0.104)	0.081	0.231
20	1.67	2.70	0.351	(0.104)	0.091	0.260
21	1.75	3.30	0.430	0.104	(0.112)	0.325
22	1.83	3.10	0.404	0.104	(0.105)	0.299
23	1.92	2.90	0.377	(0.104)	0.098	0.279
24	2.00	3.00	0.390	(0.104)	0.102	0.289
25	2.08	3.10	0.404	0.104	(0.105)	0.299
26	2.17	4.20	0.547	0.104	(0.142)	0.442
27	2.25	5.00	0.651	0.104	(0.169)	0.546
28	2.33	3.50	0.456	0.104	(0.118)	0.351
29	2.42	6.80	0.885	0.104	(0.230)	0.781
30	2.50	7.30	0.950	0.104	(0.247)	0.846
31	2.58	8.20	1.067	0.104	(0.278)	0.963
32	2.67	5.90	0.768	0.104	(0.200)	0.664
33	2.75	2.00	0.260	(0.104)	0.068	0.193
34	2.83	1.80	0.234	(0.104)	0.061	0.173
35	2.92	1.80	0.234	(0.104)	0.061	0.173
36	3.00	0.60	0.078	(0.104)	0.020	0.058

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.3

Flood volume = Effective rainfall 0.86(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)

Total soil loss = 0.23(In)

Total soil loss = 0.046(Ac.Ft)

Total rainfall = 1.08(In)

Flood volume = 7598.0 Cubic Feet

Total soil loss = 2009.4 Cubic Feet

Peak flow rate of this hydrograph = 2.260(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0014	0.20	Q					
0+10	0.0034	0.30	VQ					
0+15	0.0053	0.28	Q					
0+20	0.0075	0.32	Q					
0+25	0.0100	0.35	QV					
0+30	0.0127	0.40	QV					
0+35	0.0153	0.38	Q V					
0+40	0.0181	0.40	Q V					
0+45	0.0210	0.42	Q V					
0+50	0.0237	0.38	Q V					
0+55	0.0262	0.37	Q V					
1+ 0	0.0291	0.41	Q V					
1+ 5	0.0324	0.49	Q V					
1+10	0.0360	0.52	Q V					
1+15	0.0396	0.52	Q V					
1+20	0.0429	0.49	Q V					
1+25	0.0468	0.57	Q V					
1+30	0.0512	0.63	Q V					
1+35	0.0553	0.59	Q V					
1+40	0.0595	0.62	Q V					
1+45	0.0646	0.74	Q V					
1+50	0.0698	0.75	Q V					
1+55	0.0747	0.71	Q V					
2+ 0	0.0795	0.70	Q V					
2+ 5	0.0845	0.73	Q V					
2+10	0.0911	0.96	Q V					
2+15	0.0997	1.24	Q V					
2+20	0.1068	1.03	Q V					
2+25	0.1175	1.56	Q V					
2+30	0.1312	1.99	Q V					
2+35	0.1467	2.26	Q V					
2+40	0.1598	1.89	Q V					
2+45	0.1660	0.91	Q V					
2+50	0.1694	0.48	Q V					
2+55	0.1723	0.43	Q V					
3+ 0	0.1740	0.24	Q V					
3+ 5	0.1744	0.06	Q V					
3+10	0.1744	0.00	Q V					

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda415.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 5 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.649(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.649(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	384.860	64.012
2	0.167	769.720	32.861
3	0.250	1154.580	3.127
		Sum = 100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.327	(0.104)	0.085	0.242
2	0.17	4.30	0.335	(0.104)	0.087	0.248
3	0.25	5.00	0.389	(0.104)	0.101	0.288
4	0.33	5.00	0.389	(0.104)	0.101	0.288
5	0.42	5.80	0.452	0.104	(0.117)	0.347
6	0.50	6.50	0.506	0.104	(0.132)	0.402
7	0.58	7.40	0.576	0.104	(0.150)	0.472
8	0.67	8.60	0.670	0.104	(0.174)	0.565
9	0.75	12.30	0.958	0.104	(0.249)	0.853
10	0.83	29.10	2.266	0.104	(0.589)	2.161
11	0.92	6.80	0.529	0.104	(0.138)	0.425
12	1.00	5.00	0.389	(0.104)	0.101	0.288

(Loss Rate Not Used)

Sum = 100.0 Sum = 6.6

Flood volume = Effective rainfall 0.55(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.10(In)
Total soil loss = 0.020(Ac.Ft)
Total rainfall = 0.65(In)
Flood volume = 4856.2 Cubic Feet
Total soil loss = 890.4 Cubic Feet

Peak flow rate of this hydrograph = 4.137(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0026	0.38	VQ				
0+10	0.0067	0.59	Q				
0+15	0.0113	0.67	Q V				
0+20	0.0162	0.71	Q V				
0+25	0.0217	0.80	Q V				
0+30	0.0281	0.94	Q	V			
0+35	0.0357	1.09	Q	V			
0+40	0.0446	1.30	Q		V		
0+45	0.0573	1.84	Q		V		
0+50	0.0858	4.14		Q		V	
0+55	0.1029	2.48		Q			V

1+ 0	0.1095	0.96	Q				V
1+ 5	0.1113	0.27	Q				V
1+10	0.1115	0.02	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda4242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.93	4.71

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	4.71	11.49

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.930(In)
Area Averaged 100-Year Rainfall = 4.710(In)

Point rain (area averaged) = 1.930(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.930(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.015	(0.185)	0.004	0.011
2	0.17	0.07	0.015	(0.184)	0.004	0.011
3	0.25	0.07	0.015	(0.184)	0.004	0.011
4	0.33	0.10	0.023	(0.183)	0.006	0.017
5	0.42	0.10	0.023	(0.182)	0.006	0.017
6	0.50	0.10	0.023	(0.181)	0.006	0.017
7	0.58	0.10	0.023	(0.181)	0.006	0.017
8	0.67	0.10	0.023	(0.180)	0.006	0.017
9	0.75	0.10	0.023	(0.179)	0.006	0.017
10	0.83	0.13	0.031	(0.179)	0.008	0.023
11	0.92	0.13	0.031	(0.178)	0.008	0.023
12	1.00	0.13	0.031	(0.177)	0.008	0.023
13	1.08	0.10	0.023	(0.177)	0.006	0.017
14	1.17	0.10	0.023	(0.176)	0.006	0.017
15	1.25	0.10	0.023	(0.175)	0.006	0.017
16	1.33	0.10	0.023	(0.174)	0.006	0.017
17	1.42	0.10	0.023	(0.174)	0.006	0.017
18	1.50	0.10	0.023	(0.173)	0.006	0.017
19	1.58	0.10	0.023	(0.172)	0.006	0.017
20	1.67	0.10	0.023	(0.172)	0.006	0.017
21	1.75	0.10	0.023	(0.171)	0.006	0.017
22	1.83	0.13	0.031	(0.170)	0.008	0.023
23	1.92	0.13	0.031	(0.170)	0.008	0.023
24	2.00	0.13	0.031	(0.169)	0.008	0.023
25	2.08	0.13	0.031	(0.168)	0.008	0.023
26	2.17	0.13	0.031	(0.168)	0.008	0.023
27	2.25	0.13	0.031	(0.167)	0.008	0.023
28	2.33	0.13	0.031	(0.166)	0.008	0.023
29	2.42	0.13	0.031	(0.166)	0.008	0.023
30	2.50	0.13	0.031	(0.165)	0.008	0.023
31	2.58	0.17	0.039	(0.164)	0.010	0.029
32	2.67	0.17	0.039	(0.164)	0.010	0.029
33	2.75	0.17	0.039	(0.163)	0.010	0.029
34	2.83	0.17	0.039	(0.162)	0.010	0.029
35	2.92	0.17	0.039	(0.161)	0.010	0.029
36	3.00	0.17	0.039	(0.161)	0.010	0.029
37	3.08	0.17	0.039	(0.160)	0.010	0.029
38	3.17	0.17	0.039	(0.159)	0.010	0.029
39	3.25	0.17	0.039	(0.159)	0.010	0.029
40	3.33	0.17	0.039	(0.158)	0.010	0.029
41	3.42	0.17	0.039	(0.158)	0.010	0.029
42	3.50	0.17	0.039	(0.157)	0.010	0.029
43	3.58	0.17	0.039	(0.156)	0.010	0.029
44	3.67	0.17	0.039	(0.156)	0.010	0.029
45	3.75	0.17	0.039	(0.155)	0.010	0.029
46	3.83	0.20	0.046	(0.154)	0.012	0.034

47	3.92	0.20	0.046	(0.154)	0.012	0.034
48	4.00	0.20	0.046	(0.153)	0.012	0.034
49	4.08	0.20	0.046	(0.152)	0.012	0.034
50	4.17	0.20	0.046	(0.152)	0.012	0.034
51	4.25	0.20	0.046	(0.151)	0.012	0.034
52	4.33	0.23	0.054	(0.150)	0.014	0.040
53	4.42	0.23	0.054	(0.150)	0.014	0.040
54	4.50	0.23	0.054	(0.149)	0.014	0.040
55	4.58	0.23	0.054	(0.148)	0.014	0.040
56	4.67	0.23	0.054	(0.148)	0.014	0.040
57	4.75	0.23	0.054	(0.147)	0.014	0.040
58	4.83	0.27	0.062	(0.147)	0.016	0.046
59	4.92	0.27	0.062	(0.146)	0.016	0.046
60	5.00	0.27	0.062	(0.145)	0.016	0.046
61	5.08	0.20	0.046	(0.145)	0.012	0.034
62	5.17	0.20	0.046	(0.144)	0.012	0.034
63	5.25	0.20	0.046	(0.143)	0.012	0.034
64	5.33	0.23	0.054	(0.143)	0.014	0.040
65	5.42	0.23	0.054	(0.142)	0.014	0.040
66	5.50	0.23	0.054	(0.141)	0.014	0.040
67	5.58	0.27	0.062	(0.141)	0.016	0.046
68	5.67	0.27	0.062	(0.140)	0.016	0.046
69	5.75	0.27	0.062	(0.140)	0.016	0.046
70	5.83	0.27	0.062	(0.139)	0.016	0.046
71	5.92	0.27	0.062	(0.138)	0.016	0.046
72	6.00	0.27	0.062	(0.138)	0.016	0.046
73	6.08	0.30	0.069	(0.137)	0.018	0.051
74	6.17	0.30	0.069	(0.137)	0.018	0.051
75	6.25	0.30	0.069	(0.136)	0.018	0.051
76	6.33	0.30	0.069	(0.135)	0.018	0.051
77	6.42	0.30	0.069	(0.135)	0.018	0.051
78	6.50	0.30	0.069	(0.134)	0.018	0.051
79	6.58	0.33	0.077	(0.134)	0.020	0.057
80	6.67	0.33	0.077	(0.133)	0.020	0.057
81	6.75	0.33	0.077	(0.132)	0.020	0.057
82	6.83	0.33	0.077	(0.132)	0.020	0.057
83	6.92	0.33	0.077	(0.131)	0.020	0.057
84	7.00	0.33	0.077	(0.131)	0.020	0.057
85	7.08	0.33	0.077	(0.130)	0.020	0.057
86	7.17	0.33	0.077	(0.129)	0.020	0.057
87	7.25	0.33	0.077	(0.129)	0.020	0.057
88	7.33	0.37	0.085	(0.128)	0.022	0.063
89	7.42	0.37	0.085	(0.128)	0.022	0.063
90	7.50	0.37	0.085	(0.127)	0.022	0.063
91	7.58	0.40	0.093	(0.126)	0.024	0.069
92	7.67	0.40	0.093	(0.126)	0.024	0.069
93	7.75	0.40	0.093	(0.125)	0.024	0.069
94	7.83	0.43	0.100	(0.125)	0.026	0.074
95	7.92	0.43	0.100	(0.124)	0.026	0.074
96	8.00	0.43	0.100	(0.124)	0.026	0.074

97	8.08	0.50	0.116	(0.123)	0.030	0.086
98	8.17	0.50	0.116	(0.122)	0.030	0.086
99	8.25	0.50	0.116	(0.122)	0.030	0.086
100	8.33	0.50	0.116	(0.121)	0.030	0.086
101	8.42	0.50	0.116	(0.121)	0.030	0.086
102	8.50	0.50	0.116	(0.120)	0.030	0.086
103	8.58	0.53	0.124	(0.120)	0.032	0.091
104	8.67	0.53	0.124	(0.119)	0.032	0.091
105	8.75	0.53	0.124	(0.118)	0.032	0.091
106	8.83	0.57	0.131	(0.118)	0.034	0.097
107	8.92	0.57	0.131	(0.117)	0.034	0.097
108	9.00	0.57	0.131	(0.117)	0.034	0.097
109	9.08	0.63	0.147	(0.116)	0.038	0.109
110	9.17	0.63	0.147	(0.116)	0.038	0.109
111	9.25	0.63	0.147	(0.115)	0.038	0.109
112	9.33	0.67	0.154	(0.115)	0.040	0.114
113	9.42	0.67	0.154	(0.114)	0.040	0.114
114	9.50	0.67	0.154	(0.113)	0.040	0.114
115	9.58	0.70	0.162	(0.113)	0.042	0.120
116	9.67	0.70	0.162	(0.112)	0.042	0.120
117	9.75	0.70	0.162	(0.112)	0.042	0.120
118	9.83	0.73	0.170	(0.111)	0.044	0.126
119	9.92	0.73	0.170	(0.111)	0.044	0.126
120	10.00	0.73	0.170	(0.110)	0.044	0.126
121	10.08	0.50	0.116	(0.110)	0.030	0.086
122	10.17	0.50	0.116	(0.109)	0.030	0.086
123	10.25	0.50	0.116	(0.109)	0.030	0.086
124	10.33	0.50	0.116	(0.108)	0.030	0.086
125	10.42	0.50	0.116	(0.108)	0.030	0.086
126	10.50	0.50	0.116	(0.107)	0.030	0.086
127	10.58	0.67	0.154	(0.107)	0.040	0.114
128	10.67	0.67	0.154	(0.106)	0.040	0.114
129	10.75	0.67	0.154	(0.105)	0.040	0.114
130	10.83	0.67	0.154	(0.105)	0.040	0.114
131	10.92	0.67	0.154	(0.104)	0.040	0.114
132	11.00	0.67	0.154	(0.104)	0.040	0.114
133	11.08	0.63	0.147	(0.103)	0.038	0.109
134	11.17	0.63	0.147	(0.103)	0.038	0.109
135	11.25	0.63	0.147	(0.102)	0.038	0.109
136	11.33	0.63	0.147	(0.102)	0.038	0.109
137	11.42	0.63	0.147	(0.101)	0.038	0.109
138	11.50	0.63	0.147	(0.101)	0.038	0.109
139	11.58	0.57	0.131	(0.100)	0.034	0.097
140	11.67	0.57	0.131	(0.100)	0.034	0.097
141	11.75	0.57	0.131	(0.099)	0.034	0.097
142	11.83	0.60	0.139	(0.099)	0.036	0.103
143	11.92	0.60	0.139	(0.098)	0.036	0.103
144	12.00	0.60	0.139	(0.098)	0.036	0.103
145	12.08	0.83	0.193	(0.097)	0.050	0.143
146	12.17	0.83	0.193	(0.097)	0.050	0.143

147	12.25	0.83	0.193	(0.096)	0.050	0.143
148	12.33	0.87	0.201	(0.096)	0.052	0.149
149	12.42	0.87	0.201	(0.096)	0.052	0.149
150	12.50	0.87	0.201	(0.095)	0.052	0.149
151	12.58	0.93	0.216	(0.095)	0.056	0.160
152	12.67	0.93	0.216	(0.094)	0.056	0.160
153	12.75	0.93	0.216	(0.094)	0.056	0.160
154	12.83	0.97	0.224	(0.093)	0.058	0.166
155	12.92	0.97	0.224	(0.093)	0.058	0.166
156	13.00	0.97	0.224	(0.092)	0.058	0.166
157	13.08	1.13	0.262	(0.092)	0.068	0.194
158	13.17	1.13	0.262	(0.091)	0.068	0.194
159	13.25	1.13	0.262	(0.091)	0.068	0.194
160	13.33	1.13	0.262	(0.090)	0.068	0.194
161	13.42	1.13	0.262	(0.090)	0.068	0.194
162	13.50	1.13	0.262	(0.089)	0.068	0.194
163	13.58	0.77	0.178	(0.089)	0.046	0.131
164	13.67	0.77	0.178	(0.088)	0.046	0.131
165	13.75	0.77	0.178	(0.088)	0.046	0.131
166	13.83	0.77	0.178	(0.088)	0.046	0.131
167	13.92	0.77	0.178	(0.087)	0.046	0.131
168	14.00	0.77	0.178	(0.087)	0.046	0.131
169	14.08	0.90	0.208	(0.086)	0.054	0.154
170	14.17	0.90	0.208	(0.086)	0.054	0.154
171	14.25	0.90	0.208	(0.085)	0.054	0.154
172	14.33	0.87	0.201	(0.085)	0.052	0.149
173	14.42	0.87	0.201	(0.085)	0.052	0.149
174	14.50	0.87	0.201	(0.084)	0.052	0.149
175	14.58	0.87	0.201	(0.084)	0.052	0.149
176	14.67	0.87	0.201	(0.083)	0.052	0.149
177	14.75	0.87	0.201	(0.083)	0.052	0.149
178	14.83	0.83	0.193	(0.082)	0.050	0.143
179	14.92	0.83	0.193	(0.082)	0.050	0.143
180	15.00	0.83	0.193	(0.082)	0.050	0.143
181	15.08	0.80	0.185	(0.081)	0.048	0.137
182	15.17	0.80	0.185	(0.081)	0.048	0.137
183	15.25	0.80	0.185	(0.080)	0.048	0.137
184	15.33	0.77	0.178	(0.080)	0.046	0.131
185	15.42	0.77	0.178	(0.079)	0.046	0.131
186	15.50	0.77	0.178	(0.079)	0.046	0.131
187	15.58	0.63	0.147	(0.079)	0.038	0.109
188	15.67	0.63	0.147	(0.078)	0.038	0.109
189	15.75	0.63	0.147	(0.078)	0.038	0.109
190	15.83	0.63	0.147	(0.077)	0.038	0.109
191	15.92	0.63	0.147	(0.077)	0.038	0.109
192	16.00	0.63	0.147	(0.077)	0.038	0.109
193	16.08	0.13	0.031	(0.076)	0.008	0.023
194	16.17	0.13	0.031	(0.076)	0.008	0.023
195	16.25	0.13	0.031	(0.075)	0.008	0.023
196	16.33	0.13	0.031	(0.075)	0.008	0.023

197	16.42	0.13	0.031	(0.075)	0.008	0.023
198	16.50	0.13	0.031	(0.074)	0.008	0.023
199	16.58	0.10	0.023	(0.074)	0.006	0.017
200	16.67	0.10	0.023	(0.074)	0.006	0.017
201	16.75	0.10	0.023	(0.073)	0.006	0.017
202	16.83	0.10	0.023	(0.073)	0.006	0.017
203	16.92	0.10	0.023	(0.072)	0.006	0.017
204	17.00	0.10	0.023	(0.072)	0.006	0.017
205	17.08	0.17	0.039	(0.072)	0.010	0.029
206	17.17	0.17	0.039	(0.071)	0.010	0.029
207	17.25	0.17	0.039	(0.071)	0.010	0.029
208	17.33	0.17	0.039	(0.071)	0.010	0.029
209	17.42	0.17	0.039	(0.070)	0.010	0.029
210	17.50	0.17	0.039	(0.070)	0.010	0.029
211	17.58	0.17	0.039	(0.070)	0.010	0.029
212	17.67	0.17	0.039	(0.069)	0.010	0.029
213	17.75	0.17	0.039	(0.069)	0.010	0.029
214	17.83	0.13	0.031	(0.069)	0.008	0.023
215	17.92	0.13	0.031	(0.068)	0.008	0.023
216	18.00	0.13	0.031	(0.068)	0.008	0.023
217	18.08	0.13	0.031	(0.068)	0.008	0.023
218	18.17	0.13	0.031	(0.067)	0.008	0.023
219	18.25	0.13	0.031	(0.067)	0.008	0.023
220	18.33	0.13	0.031	(0.067)	0.008	0.023
221	18.42	0.13	0.031	(0.066)	0.008	0.023
222	18.50	0.13	0.031	(0.066)	0.008	0.023
223	18.58	0.10	0.023	(0.066)	0.006	0.017
224	18.67	0.10	0.023	(0.065)	0.006	0.017
225	18.75	0.10	0.023	(0.065)	0.006	0.017
226	18.83	0.07	0.015	(0.065)	0.004	0.011
227	18.92	0.07	0.015	(0.064)	0.004	0.011
228	19.00	0.07	0.015	(0.064)	0.004	0.011
229	19.08	0.10	0.023	(0.064)	0.006	0.017
230	19.17	0.10	0.023	(0.063)	0.006	0.017
231	19.25	0.10	0.023	(0.063)	0.006	0.017
232	19.33	0.13	0.031	(0.063)	0.008	0.023
233	19.42	0.13	0.031	(0.063)	0.008	0.023
234	19.50	0.13	0.031	(0.062)	0.008	0.023
235	19.58	0.10	0.023	(0.062)	0.006	0.017
236	19.67	0.10	0.023	(0.062)	0.006	0.017
237	19.75	0.10	0.023	(0.061)	0.006	0.017
238	19.83	0.07	0.015	(0.061)	0.004	0.011
239	19.92	0.07	0.015	(0.061)	0.004	0.011
240	20.00	0.07	0.015	(0.061)	0.004	0.011
241	20.08	0.10	0.023	(0.060)	0.006	0.017
242	20.17	0.10	0.023	(0.060)	0.006	0.017
243	20.25	0.10	0.023	(0.060)	0.006	0.017
244	20.33	0.10	0.023	(0.060)	0.006	0.017
245	20.42	0.10	0.023	(0.059)	0.006	0.017
246	20.50	0.10	0.023	(0.059)	0.006	0.017

247	20.58	0.10	0.023	(0.059)	0.006	0.017
248	20.67	0.10	0.023	(0.059)	0.006	0.017
249	20.75	0.10	0.023	(0.058)	0.006	0.017
250	20.83	0.07	0.015	(0.058)	0.004	0.011
251	20.92	0.07	0.015	(0.058)	0.004	0.011
252	21.00	0.07	0.015	(0.058)	0.004	0.011
253	21.08	0.10	0.023	(0.057)	0.006	0.017
254	21.17	0.10	0.023	(0.057)	0.006	0.017
255	21.25	0.10	0.023	(0.057)	0.006	0.017
256	21.33	0.07	0.015	(0.057)	0.004	0.011
257	21.42	0.07	0.015	(0.057)	0.004	0.011
258	21.50	0.07	0.015	(0.056)	0.004	0.011
259	21.58	0.10	0.023	(0.056)	0.006	0.017
260	21.67	0.10	0.023	(0.056)	0.006	0.017
261	21.75	0.10	0.023	(0.056)	0.006	0.017
262	21.83	0.07	0.015	(0.055)	0.004	0.011
263	21.92	0.07	0.015	(0.055)	0.004	0.011
264	22.00	0.07	0.015	(0.055)	0.004	0.011
265	22.08	0.10	0.023	(0.055)	0.006	0.017
266	22.17	0.10	0.023	(0.055)	0.006	0.017
267	22.25	0.10	0.023	(0.055)	0.006	0.017
268	22.33	0.07	0.015	(0.054)	0.004	0.011
269	22.42	0.07	0.015	(0.054)	0.004	0.011
270	22.50	0.07	0.015	(0.054)	0.004	0.011
271	22.58	0.07	0.015	(0.054)	0.004	0.011
272	22.67	0.07	0.015	(0.054)	0.004	0.011
273	22.75	0.07	0.015	(0.054)	0.004	0.011
274	22.83	0.07	0.015	(0.053)	0.004	0.011
275	22.92	0.07	0.015	(0.053)	0.004	0.011
276	23.00	0.07	0.015	(0.053)	0.004	0.011
277	23.08	0.07	0.015	(0.053)	0.004	0.011
278	23.17	0.07	0.015	(0.053)	0.004	0.011
279	23.25	0.07	0.015	(0.053)	0.004	0.011
280	23.33	0.07	0.015	(0.053)	0.004	0.011
281	23.42	0.07	0.015	(0.053)	0.004	0.011
282	23.50	0.07	0.015	(0.053)	0.004	0.011
283	23.58	0.07	0.015	(0.052)	0.004	0.011
284	23.67	0.07	0.015	(0.052)	0.004	0.011
285	23.75	0.07	0.015	(0.052)	0.004	0.011
286	23.83	0.07	0.015	(0.052)	0.004	0.011
287	23.92	0.07	0.015	(0.052)	0.004	0.011
288	24.00	0.07	0.015	(0.052)	0.004	0.011

(Loss Rate Not Used)

Sum = 100.0

Sum = 17.1

Flood volume = Effective rainfall 1.43(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)

Total soil loss = 0.50(In)

Total soil loss = 0.102(Ac.Ft)

Total rainfall = 1.93(In)

Flood volume = 12649.8 Cubic Feet

Total soil loss = 4444.5 Cubic Feet

Peak flow rate of this hydrograph = 0.478(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0003	0.03	Q				
0+15	0.0005	0.03	Q				
0+20	0.0008	0.04	Q				
0+25	0.0010	0.04	Q				
0+30	0.0013	0.04	Q				
0+35	0.0016	0.04	Q				
0+40	0.0019	0.04	Q				
0+45	0.0022	0.04	Q				
0+50	0.0026	0.05	Q				
0+55	0.0029	0.06	Q				
1+ 0	0.0033	0.06	Q				
1+ 5	0.0037	0.05	Q				
1+10	0.0040	0.04	Q				
1+15	0.0042	0.04	Q				
1+20	0.0045	0.04	Q				
1+25	0.0048	0.04	Q				
1+30	0.0051	0.04	Q				
1+35	0.0054	0.04	Q				
1+40	0.0057	0.04	Q				
1+45	0.0060	0.04	Q				
1+50	0.0063	0.05	Q				
1+55	0.0067	0.06	Q				
2+ 0	0.0071	0.06	Q				
2+ 5	0.0075	0.06	QV				
2+10	0.0079	0.06	QV				
2+15	0.0083	0.06	QV				
2+20	0.0087	0.06	QV				
2+25	0.0090	0.06	QV				
2+30	0.0094	0.06	QV				
2+35	0.0099	0.07	QV				
2+40	0.0104	0.07	QV				
2+45	0.0108	0.07	QV				
2+50	0.0113	0.07	QV				
2+55	0.0118	0.07	QV				
3+ 0	0.0123	0.07	QV				
3+ 5	0.0128	0.07	QV				

3+10	0.0133	0.07	QV				
3+15	0.0137	0.07	QV				
3+20	0.0142	0.07	QV				
3+25	0.0147	0.07	Q V				
3+30	0.0152	0.07	Q V				
3+35	0.0157	0.07	Q V				
3+40	0.0162	0.07	Q V				
3+45	0.0167	0.07	Q V				
3+50	0.0172	0.08	Q V				
3+55	0.0178	0.08	Q V				
4+ 0	0.0184	0.08	Q V				
4+ 5	0.0189	0.08	Q V				
4+10	0.0195	0.08	Q V				
4+15	0.0201	0.08	Q V				
4+20	0.0207	0.09	Q V				
4+25	0.0214	0.10	Q V				
4+30	0.0221	0.10	Q V				
4+35	0.0228	0.10	Q V				
4+40	0.0235	0.10	Q V				
4+45	0.0241	0.10	Q V				
4+50	0.0249	0.11	Q V				
4+55	0.0256	0.11	Q V				
5+ 0	0.0264	0.11	Q V				
5+ 5	0.0271	0.09	Q V				
5+10	0.0277	0.09	Q V				
5+15	0.0282	0.08	Q V				
5+20	0.0289	0.09	Q V				
5+25	0.0295	0.10	Q V				
5+30	0.0302	0.10	Q V				
5+35	0.0310	0.11	Q V				
5+40	0.0317	0.11	Q V				
5+45	0.0325	0.11	Q V				
5+50	0.0333	0.11	Q V				
5+55	0.0341	0.11	Q V				
6+ 0	0.0348	0.11	Q V				
6+ 5	0.0357	0.12	Q V				
6+10	0.0365	0.13	Q V				
6+15	0.0374	0.13	Q V				
6+20	0.0383	0.13	Q V				
6+25	0.0392	0.13	Q V				
6+30	0.0400	0.13	Q V				
6+35	0.0410	0.14	Q V				
6+40	0.0419	0.14	Q V				
6+45	0.0429	0.14	Q V				
6+50	0.0439	0.14	Q V				
6+55	0.0448	0.14	Q V				
7+ 0	0.0458	0.14	Q V				
7+ 5	0.0468	0.14	Q V				
7+10	0.0477	0.14	Q V				
7+15	0.0487	0.14	Q V				

7+20	0.0497	0.15	Q	V				
7+25	0.0508	0.15	Q	V				
7+30	0.0519	0.15	Q	V				
7+35	0.0530	0.16	Q	V				
7+40	0.0541	0.17	Q	V				
7+45	0.0553	0.17	Q	V				
7+50	0.0565	0.18	Q	V				
7+55	0.0578	0.18	Q	V				
8+ 0	0.0590	0.18	Q	V				
8+ 5	0.0604	0.20	Q	V				
8+10	0.0619	0.21	Q	V				
8+15	0.0633	0.21	Q	V				
8+20	0.0648	0.21	Q	V				
8+25	0.0662	0.21	Q	V				
8+30	0.0677	0.21	Q	V				
8+35	0.0692	0.22	Q	V				
8+40	0.0707	0.22	Q	V				
8+45	0.0723	0.22	Q	V				
8+50	0.0739	0.23	Q	V				
8+55	0.0755	0.24	Q	V				
9+ 0	0.0772	0.24	Q	V				
9+ 5	0.0790	0.26	Q	V				
9+10	0.0808	0.27	Q	V				
9+15	0.0826	0.27	Q	V				
9+20	0.0845	0.28	Q	V				
9+25	0.0865	0.28	Q	V				
9+30	0.0884	0.28	Q	V				
9+35	0.0904	0.29	Q	V				
9+40	0.0924	0.29	Q	V				
9+45	0.0945	0.30	Q	V				
9+50	0.0966	0.30	Q	V				
9+55	0.0987	0.31	Q	V				
10+ 0	0.1008	0.31	Q	V				
10+ 5	0.1025	0.25	Q	V				
10+10	0.1040	0.21	Q	V				
10+15	0.1054	0.21	Q	V				
10+20	0.1069	0.21	Q	V				
10+25	0.1083	0.21	Q	V				
10+30	0.1098	0.21	Q	V				
10+35	0.1115	0.26	Q	V				
10+40	0.1135	0.28	Q	V				
10+45	0.1154	0.28	Q	V				
10+50	0.1173	0.28	Q	V				
10+55	0.1193	0.28	Q	V				
11+ 0	0.1212	0.28	Q	V				
11+ 5	0.1231	0.27	Q	V				
11+10	0.1249	0.27	Q	V				
11+15	0.1268	0.27	Q	V				
11+20	0.1286	0.27	Q	V				
11+25	0.1304	0.27	Q	V				

11+30	0.1323	0.27	Q	V			
11+35	0.1340	0.25	Q	V			
11+40	0.1357	0.24	Q	V			
11+45	0.1373	0.24	Q	V			
11+50	0.1390	0.25	Q	V			
11+55	0.1407	0.25	Q	V			
12+ 0	0.1425	0.25	Q	V			
12+ 5	0.1447	0.32	Q	V			
12+10	0.1471	0.35	Q	V			
12+15	0.1495	0.35	Q	V			
12+20	0.1520	0.36	Q	V			
12+25	0.1545	0.36	Q	V			
12+30	0.1570	0.37	Q	V			
12+35	0.1596	0.38	Q	V			
12+40	0.1623	0.39	Q	V			
12+45	0.1650	0.39	Q	V			
12+50	0.1678	0.40	Q	V			
12+55	0.1706	0.41	Q	V			
13+ 0	0.1734	0.41	Q	V			
13+ 5	0.1765	0.45	Q	V			
13+10	0.1798	0.48	Q	V			
13+15	0.1831	0.48	Q	V			
13+20	0.1864	0.48	Q	V			
13+25	0.1897	0.48	Q	V			
13+30	0.1930	0.48	Q	V			
13+35	0.1956	0.38	Q	V			
13+40	0.1979	0.33	Q	V			
13+45	0.2001	0.32	Q	V			
13+50	0.2023	0.32	Q	V			
13+55	0.2045	0.32	Q	V			
14+ 0	0.2068	0.32	Q	V			
14+ 5	0.2092	0.36	Q	V			
14+10	0.2118	0.38	Q	V			
14+15	0.2145	0.38	Q	V			
14+20	0.2170	0.37	Q	V			
14+25	0.2195	0.37	Q	V			
14+30	0.2220	0.37	Q	V			
14+35	0.2246	0.37	Q	V			
14+40	0.2271	0.37	Q	V			
14+45	0.2296	0.37	Q	V			
14+50	0.2320	0.36	Q	V			
14+55	0.2345	0.35	Q	V			
15+ 0	0.2369	0.35	Q	V			
15+ 5	0.2392	0.34	Q	V			
15+10	0.2416	0.34	Q	V			
15+15	0.2439	0.34	Q	V			
15+20	0.2462	0.33	Q	V			
15+25	0.2484	0.32	Q	V			
15+30	0.2506	0.32	Q	V			
15+35	0.2526	0.29	Q	V			

15+40	0.2544	0.27	Q				V
15+45	0.2563	0.27	Q				V
15+50	0.2581	0.27	Q				V
15+55	0.2600	0.27	Q				V
16+ 0	0.2618	0.27	Q				V
16+ 5	0.2627	0.13	Q				V
16+10	0.2631	0.06	Q				V
16+15	0.2635	0.06	Q				V
16+20	0.2639	0.06	Q				V
16+25	0.2643	0.06	Q				V
16+30	0.2647	0.06	Q				V
16+35	0.2650	0.05	Q				V
16+40	0.2653	0.04	Q				V
16+45	0.2656	0.04	Q				V
16+50	0.2659	0.04	Q				V
16+55	0.2662	0.04	Q				V
17+ 0	0.2665	0.04	Q				V
17+ 5	0.2669	0.06	Q				V
17+10	0.2674	0.07	Q				V
17+15	0.2678	0.07	Q				V
17+20	0.2683	0.07	Q				V
17+25	0.2688	0.07	Q				V
17+30	0.2693	0.07	Q				V
17+35	0.2698	0.07	Q				V
17+40	0.2703	0.07	Q				V
17+45	0.2708	0.07	Q				V
17+50	0.2712	0.06	Q				V
17+55	0.2716	0.06	Q				V
18+ 0	0.2720	0.06	Q				V
18+ 5	0.2723	0.06	Q				V
18+10	0.2727	0.06	Q				V
18+15	0.2731	0.06	Q				V
18+20	0.2735	0.06	Q				V
18+25	0.2739	0.06	Q				V
18+30	0.2743	0.06	Q				V
18+35	0.2746	0.05	Q				V
18+40	0.2749	0.04	Q				V
18+45	0.2752	0.04	Q				V
18+50	0.2754	0.03	Q				V
18+55	0.2756	0.03	Q				V
19+ 0	0.2758	0.03	Q				V
19+ 5	0.2761	0.04	Q				V
19+10	0.2763	0.04	Q				V
19+15	0.2766	0.04	Q				V
19+20	0.2770	0.05	Q				V
19+25	0.2774	0.06	Q				V
19+30	0.2778	0.06	Q				V
19+35	0.2781	0.05	Q				V
19+40	0.2784	0.04	Q				V
19+45	0.2787	0.04	Q				V

19+50	0.2789	0.03	Q				V
19+55	0.2791	0.03	Q				V
20+ 0	0.2793	0.03	Q				V
20+ 5	0.2795	0.04	Q				V
20+10	0.2798	0.04	Q				V
20+15	0.2801	0.04	Q				V
20+20	0.2804	0.04	Q				V
20+25	0.2807	0.04	Q				V
20+30	0.2810	0.04	Q				V
20+35	0.2813	0.04	Q				V
20+40	0.2816	0.04	Q				V
20+45	0.2819	0.04	Q				V
20+50	0.2821	0.03	Q				V
20+55	0.2823	0.03	Q				V
21+ 0	0.2825	0.03	Q				V
21+ 5	0.2827	0.04	Q				V
21+10	0.2830	0.04	Q				V
21+15	0.2833	0.04	Q				V
21+20	0.2835	0.03	Q				V
21+25	0.2837	0.03	Q				V
21+30	0.2839	0.03	Q				V
21+35	0.2842	0.04	Q				V
21+40	0.2845	0.04	Q				V
21+45	0.2848	0.04	Q				V
21+50	0.2850	0.03	Q				V
21+55	0.2852	0.03	Q				V
22+ 0	0.2854	0.03	Q				V
22+ 5	0.2856	0.04	Q				V
22+10	0.2859	0.04	Q				V
22+15	0.2862	0.04	Q				V
22+20	0.2864	0.03	Q				V
22+25	0.2866	0.03	Q				V
22+30	0.2868	0.03	Q				V
22+35	0.2870	0.03	Q				V
22+40	0.2872	0.03	Q				V
22+45	0.2874	0.03	Q				V
22+50	0.2876	0.03	Q				V
22+55	0.2878	0.03	Q				V
23+ 0	0.2880	0.03	Q				V
23+ 5	0.2882	0.03	Q				V
23+10	0.2884	0.03	Q				V
23+15	0.2886	0.03	Q				V
23+20	0.2888	0.03	Q				V
23+25	0.2890	0.03	Q				V
23+30	0.2892	0.03	Q				V
23+35	0.2894	0.03	Q				V
23+40	0.2895	0.03	Q				V
23+45	0.2897	0.03	Q				V
23+50	0.2899	0.03	Q				V
23+55	0.2901	0.03	Q				V

24+ 0	0.2903	0.03	Q				V
24+ 5	0.2904	0.01	Q				V
24+10	0.2904	0.00	Q				V

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda462.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.13	2.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	2.65	6.47

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.130(In)
Area Averaged 100-Year Rainfall = 2.650(In)

Point rain (area averaged) = 1.130(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.130(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.068	(0.104)	0.018	0.050
2	0.17	0.60	0.081	(0.104)	0.021	0.060
3	0.25	0.60	0.081	(0.104)	0.021	0.060
4	0.33	0.60	0.081	(0.104)	0.021	0.060
5	0.42	0.60	0.081	(0.104)	0.021	0.060
6	0.50	0.70	0.095	(0.104)	0.025	0.070
7	0.58	0.70	0.095	(0.104)	0.025	0.070
8	0.67	0.70	0.095	(0.104)	0.025	0.070
9	0.75	0.70	0.095	(0.104)	0.025	0.070
10	0.83	0.70	0.095	(0.104)	0.025	0.070
11	0.92	0.70	0.095	(0.104)	0.025	0.070
12	1.00	0.80	0.108	(0.104)	0.028	0.080
13	1.08	0.80	0.108	(0.104)	0.028	0.080
14	1.17	0.80	0.108	(0.104)	0.028	0.080
15	1.25	0.80	0.108	(0.104)	0.028	0.080
16	1.33	0.80	0.108	(0.104)	0.028	0.080
17	1.42	0.80	0.108	(0.104)	0.028	0.080
18	1.50	0.80	0.108	(0.104)	0.028	0.080
19	1.58	0.80	0.108	(0.104)	0.028	0.080
20	1.67	0.80	0.108	(0.104)	0.028	0.080
21	1.75	0.80	0.108	(0.104)	0.028	0.080
22	1.83	0.80	0.108	(0.104)	0.028	0.080
23	1.92	0.80	0.108	(0.104)	0.028	0.080
24	2.00	0.90	0.122	(0.104)	0.032	0.090
25	2.08	0.80	0.108	(0.104)	0.028	0.080
26	2.17	0.90	0.122	(0.104)	0.032	0.090
27	2.25	0.90	0.122	(0.104)	0.032	0.090
28	2.33	0.90	0.122	(0.104)	0.032	0.090
29	2.42	0.90	0.122	(0.104)	0.032	0.090
30	2.50	0.90	0.122	(0.104)	0.032	0.090
31	2.58	0.90	0.122	(0.104)	0.032	0.090
32	2.67	0.90	0.122	(0.104)	0.032	0.090
33	2.75	1.00	0.136	(0.104)	0.035	0.100
34	2.83	1.00	0.136	(0.104)	0.035	0.100
35	2.92	1.00	0.136	(0.104)	0.035	0.100
36	3.00	1.00	0.136	(0.104)	0.035	0.100
37	3.08	1.00	0.136	(0.104)	0.035	0.100
38	3.17	1.10	0.149	(0.104)	0.039	0.110
39	3.25	1.10	0.149	(0.104)	0.039	0.110
40	3.33	1.10	0.149	(0.104)	0.039	0.110
41	3.42	1.20	0.163	(0.104)	0.042	0.120
42	3.50	1.30	0.176	(0.104)	0.046	0.130
43	3.58	1.40	0.190	(0.104)	0.049	0.140
44	3.67	1.40	0.190	(0.104)	0.049	0.140
45	3.75	1.50	0.203	(0.104)	0.053	0.151
46	3.83	1.50	0.203	(0.104)	0.053	0.151

47	3.92	1.60	0.217	(0.104)	0.056	0.161
48	4.00	1.60	0.217	(0.104)	0.056	0.161
49	4.08	1.70	0.231	(0.104)	0.060	0.171
50	4.17	1.80	0.244	(0.104)	0.063	0.181
51	4.25	1.90	0.258	(0.104)	0.067	0.191
52	4.33	2.00	0.271	(0.104)	0.071	0.201
53	4.42	2.10	0.285	(0.104)	0.074	0.211
54	4.50	2.10	0.285	(0.104)	0.074	0.211
55	4.58	2.20	0.298	(0.104)	0.078	0.221
56	4.67	2.30	0.312	(0.104)	0.081	0.231
57	4.75	2.40	0.325	(0.104)	0.085	0.241
58	4.83	2.40	0.325	(0.104)	0.085	0.241
59	4.92	2.50	0.339	(0.104)	0.088	0.251
60	5.00	2.60	0.353	(0.104)	0.092	0.261
61	5.08	3.10	0.420	0.104 (0.109)		0.316
62	5.17	3.60	0.488	0.104 (0.127)		0.384
63	5.25	3.90	0.529	0.104 (0.137)		0.424
64	5.33	4.20	0.570	0.104 (0.148)		0.465
65	5.42	4.70	0.637	0.104 (0.166)		0.533
66	5.50	5.60	0.759	0.104 (0.197)		0.655
67	5.58	1.90	0.258	(0.104)	0.067	0.191
68	5.67	0.90	0.122	(0.104)	0.032	0.090
69	5.75	0.60	0.081	(0.104)	0.021	0.060
70	5.83	0.50	0.068	(0.104)	0.018	0.050
71	5.92	0.30	0.041	(0.104)	0.011	0.030
72	6.00	0.20	0.027	(0.104)	0.007	0.020

(Loss Rate Not Used)

Sum = 100.0

Sum = 10.3

Flood volume = Effective rainfall 0.86(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
Total soil loss = 0.27(In)
Total soil loss = 0.055(Ac.Ft)
Total rainfall = 1.13(In)
Flood volume = 7597.2 Cubic Feet
Total soil loss = 2411.3 Cubic Feet

Peak flow rate of this hydrograph = 1.498(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0

0+ 5	0.0005	0.08	Q				
0+10	0.0015	0.14	Q				
0+15	0.0025	0.15	Q				

0+20	0.0035	0.15	Q				
0+25	0.0045	0.15	QV				
0+30	0.0057	0.16	QV				
0+35	0.0068	0.17	QV				
0+40	0.0080	0.17	QV				
0+45	0.0092	0.17	Q V				
0+50	0.0104	0.17	Q V				
0+55	0.0116	0.17	Q V				
1+ 0	0.0129	0.19	Q V				
1+ 5	0.0143	0.20	Q V				
1+10	0.0156	0.20	Q V				
1+15	0.0170	0.20	Q V				
1+20	0.0183	0.20	Q V				
1+25	0.0197	0.20	Q V				
1+30	0.0211	0.20	Q V				
1+35	0.0224	0.20	Q V				
1+40	0.0238	0.20	Q V				
1+45	0.0251	0.20	Q V				
1+50	0.0265	0.20	Q V				
1+55	0.0279	0.20	Q V				
2+ 0	0.0293	0.21	Q V				
2+ 5	0.0307	0.21	Q V				
2+10	0.0322	0.21	Q V				
2+15	0.0337	0.22	Q V				
2+20	0.0353	0.22	Q V				
2+25	0.0368	0.22	Q V				
2+30	0.0383	0.22	Q V				
2+35	0.0399	0.22	Q V				
2+40	0.0414	0.22	Q V				
2+45	0.0430	0.24	Q V				
2+50	0.0447	0.25	Q V				
2+55	0.0464	0.25	Q V				
3+ 0	0.0481	0.25	Q V				
3+ 5	0.0498	0.25	Q V				
3+10	0.0516	0.26	Q V				
3+15	0.0535	0.27	Q V				
3+20	0.0554	0.27	Q V				
3+25	0.0574	0.29	Q V				
3+30	0.0595	0.31	Q V				
3+35	0.0618	0.34	Q V				
3+40	0.0642	0.34	Q V				
3+45	0.0667	0.36	Q V				
3+50	0.0692	0.37	Q V				
3+55	0.0719	0.39	Q V				
4+ 0	0.0746	0.39	Q V				
4+ 5	0.0774	0.41	Q V				
4+10	0.0804	0.43	Q V				
4+15	0.0836	0.46	Q V				
4+20	0.0869	0.48	Q V				
4+25	0.0904	0.51	Q V				

4+30	0.0940	0.52	Q		V		
4+35	0.0977	0.53	Q		V		
4+40	0.1015	0.56	Q		V		
4+45	0.1055	0.58	Q		V		
4+50	0.1096	0.59	Q		V		
4+55	0.1138	0.61	Q		V		
5+ 0	0.1181	0.63	Q		V		
5+ 5	0.1232	0.73	Q		V		
5+10	0.1292	0.88	Q		V		
5+15	0.1361	1.00	Q		V		
5+20	0.1437	1.11	Q		V		
5+25	0.1523	1.25	Q		V		
5+30	0.1627	1.50	Q		V		
5+35	0.1686	0.87	Q		V		
5+40	0.1710	0.35	Q		V		
5+45	0.1723	0.18	Q		V		
5+50	0.1732	0.13	Q		V		
5+55	0.1739	0.09	Q		V		
6+ 0	0.1743	0.06	Q		V		
6+ 5	0.1744	0.02	Q		V		
6+10	0.1744	0.00	Q		V		

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda432.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.82	1.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.96	4.78

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.817(In)
Area Averaged 100-Year Rainfall = 1.960(In)

Point rain (area averaged) = 0.817(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.817(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	384.860	64.012	1.574
2 0.167	769.720	32.861	0.808
3 0.250	1154.580	3.127	0.077
Sum = 100.000		Sum=	2.459

The following loss rate calculations reflect use of the minimum calculated loss

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.127	(0.104)	0.033	0.094
2	0.17	1.30	0.127	(0.104)	0.033	0.094
3	0.25	1.10	0.108	(0.104)	0.028	0.080
4	0.33	1.50	0.147	(0.104)	0.038	0.109
5	0.42	1.50	0.147	(0.104)	0.038	0.109
6	0.50	1.80	0.176	(0.104)	0.046	0.131
7	0.58	1.50	0.147	(0.104)	0.038	0.109
8	0.67	1.80	0.176	(0.104)	0.046	0.131
9	0.75	1.80	0.176	(0.104)	0.046	0.131
10	0.83	1.50	0.147	(0.104)	0.038	0.109
11	0.92	1.60	0.157	(0.104)	0.041	0.116
12	1.00	1.80	0.176	(0.104)	0.046	0.131
13	1.08	2.20	0.216	(0.104)	0.056	0.160
14	1.17	2.20	0.216	(0.104)	0.056	0.160
15	1.25	2.20	0.216	(0.104)	0.056	0.160
16	1.33	2.00	0.196	(0.104)	0.051	0.145
17	1.42	2.60	0.255	(0.104)	0.066	0.189
18	1.50	2.70	0.265	(0.104)	0.069	0.196
19	1.58	2.40	0.235	(0.104)	0.061	0.174
20	1.67	2.70	0.265	(0.104)	0.069	0.196
21	1.75	3.30	0.324	(0.104)	0.084	0.239
22	1.83	3.10	0.304	(0.104)	0.079	0.225
23	1.92	2.90	0.284	(0.104)	0.074	0.210
24	2.00	3.00	0.294	(0.104)	0.076	0.218
25	2.08	3.10	0.304	(0.104)	0.079	0.225
26	2.17	4.20	0.412	0.104	(0.107)	0.307
27	2.25	5.00	0.490	0.104	(0.127)	0.386
28	2.33	3.50	0.343	(0.104)	0.089	0.254
29	2.42	6.80	0.667	0.104	(0.173)	0.562
30	2.50	7.30	0.716	0.104	(0.186)	0.611
31	2.58	8.20	0.804	0.104	(0.209)	0.700
32	2.67	5.90	0.578	0.104	(0.150)	0.474
33	2.75	2.00	0.196	(0.104)	0.051	0.145
34	2.83	1.80	0.176	(0.104)	0.046	0.131
35	2.92	1.80	0.176	(0.104)	0.046	0.131
36	3.00	0.60	0.059	(0.104)	0.015	0.044

(Loss Rate Not Used)

Sum = 100.0

Sum = 7.6

Flood volume = Effective rainfall 0.63(In)

times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)

Total soil loss = 0.19(In)

Total soil loss = 0.038(Ac.Ft)

Total rainfall = 0.82(In)

Flood volume = 5596.2 Cubic Feet

Total soil loss = 1640.0 Cubic Feet

Peak flow rate of this hydrograph = 1.639(CFS)

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3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0010		0.15	Q				
0+10	0.0026		0.22	Q				
0+15	0.0040		0.21	QV				
0+20	0.0057		0.24	QV				
0+25	0.0075		0.27	QV				
0+30	0.0096		0.30	QV				
0+35	0.0116		0.29	Q V				
0+40	0.0137		0.30	Q V				
0+45	0.0159		0.32	Q V				
0+50	0.0178		0.29	Q V				
0+55	0.0198		0.28	Q V				
1+ 0	0.0219		0.31	Q V				
1+ 5	0.0244		0.37	Q V				
1+10	0.0271		0.39	Q V				
1+15	0.0298		0.39	Q V				
1+20	0.0323		0.37	Q V				
1+25	0.0353		0.43	Q V				
1+30	0.0385		0.47	Q V				
1+35	0.0416		0.45	Q V				
1+40	0.0448		0.46	Q V				
1+45	0.0486		0.55	Q V				
1+50	0.0525		0.56	Q V				
1+55	0.0561		0.53	Q V				
2+ 0	0.0598		0.53	Q V				
2+ 5	0.0635		0.55	Q V				
2+10	0.0682		0.68	Q V				
2+15	0.0743		0.87	Q V				
2+20	0.0793		0.74	Q V				
2+25	0.0870		1.12	Q V				
2+30	0.0969		1.44	Q V				
2+35	0.1082		1.64	Q V				
2+40	0.1176		1.36	Q V				
2+45	0.1222		0.67	Q V				
2+50	0.1246		0.36	Q V				
2+55	0.1269		0.32	Q V				
3+ 0	0.1281		0.18	Q V				
3+ 5	0.1284		0.05	Q V				
3+10	0.1285		0.00	Q V				

Unit Hydrograph Analysis

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Study date 09/26/24 File: 249pda412.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Cottonwood Apartments
Unit Hydro
Post Development
DMA-4 2 yr

Drainage Area = 2.44(Ac.) = 0.004 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 2.44(Ac.) =
0.004 Sq. Mi.
Length along longest watercourse = 512.71(Ft.)
Length along longest watercourse measured to centroid = 271.83(Ft.)
Length along longest watercourse = 0.097 Mi.
Length along longest watercourse measured to centroid = 0.051 Mi.
Difference in elevation = 6.46(Ft.)
Slope along watercourse = 66.5265 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.022 Hr.
Lag time = 1.30 Min.
25% of lag time = 0.32 Min.
40% of lag time = 0.52 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	0.47	1.14

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
2.44	1.24	3.03

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.468(In)
Area Averaged 100-Year Rainfall = 1.240(In)

Point rain (area averaged) = 0.468(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
2.440	69.00	0.800

Total Area Entered = 2.44(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.800	0.104	1.000	0.104
Sum (F) =						0.104

Area averaged mean soil loss (F) (In/Hr) = 0.104
Minimum soil loss rate ((In/Hr)) = 0.052
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.260

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h VALLEY S-Curve

----- Unit Hydrograph Data -----

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	384.860	64.012
2	0.167	769.720	32.861
3	0.250	1154.580	3.127
		Sum = 100.000	Sum= 2.459

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.236	(0.104)	0.061	0.175
2	0.17	4.30	0.241	(0.104)	0.063	0.179
3	0.25	5.00	0.281	(0.104)	0.073	0.208
4	0.33	5.00	0.281	(0.104)	0.073	0.208
5	0.42	5.80	0.326	(0.104)	0.085	0.241
6	0.50	6.50	0.365	(0.104)	0.095	0.270
7	0.58	7.40	0.416	0.104	(0.108)	0.311
8	0.67	8.60	0.483	0.104	(0.126)	0.379
9	0.75	12.30	0.691	0.104	(0.180)	0.586
10	0.83	29.10	1.634	0.104	(0.425)	1.530
11	0.92	6.80	0.382	(0.104)	0.099	0.283
12	1.00	5.00	0.281	(0.104)	0.073	0.208

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.6

Flood volume = Effective rainfall 0.38(In)
times area 2.4(Ac.)/[(In)/(Ft.)] = 0.1(Ac.Ft)
Total soil loss = 0.09(In)
Total soil loss = 0.018(Ac.Ft)
Total rainfall = 0.47(In)
Flood volume = 3377.8 Cubic Feet
Total soil loss = 767.3 Cubic Feet

Peak flow rate of this hydrograph = 2.913(CFS)

+++++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0019	0.27	VQ				
0+10	0.0048	0.42	QV				
0+15	0.0081	0.49	Q V				
0+20	0.0116	0.51	Q V				
0+25	0.0155	0.56	Q V				
0+30	0.0199	0.64	Q V				
0+35	0.0249	0.73	Q V				
0+40	0.0309	0.87	Q V				
0+45	0.0395	1.25	Q V				
0+50	0.0596	2.91	Q V				
0+55	0.0715	1.73	Q V				

1+ 0	0.0761	0.67	Q				V
1+ 5	0.0774	0.19	Q				V
1+10	0.0775	0.02	Q				V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
100 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da124100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.713 (CFS)
Total volume = 0.390 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.36	0.53	0.71	Depth (Ft.)
0.083	0.02	0.00	0.000	O					0.00
0.167	0.03	0.00	0.000	O I					0.01
0.250	0.03	0.00	0.000	O I					0.01
0.333	0.04	0.00	0.001	O I					0.02
0.417	0.05	0.00	0.001	O I					0.03
0.500	0.05	0.01	0.001	O I					0.04
0.583	0.05	0.01	0.002	O I					0.05
0.667	0.05	0.01	0.002	O I					0.06
0.750	0.05	0.01	0.002	O I					0.07
0.833	0.06	0.01	0.003	O I					0.08
0.917	0.07	0.01	0.003	O I					0.09
1.000	0.07	0.01	0.003	O I					0.11
1.083	0.06	0.01	0.004	O I					0.12
1.167	0.05	0.01	0.004	O I					0.13
1.250	0.05	0.01	0.004	O I					0.14
1.333	0.05	0.01	0.005	O I					0.15
1.417	0.05	0.01	0.005	O I					0.16
1.500	0.05	0.01	0.005	O I					0.17
1.583	0.05	0.01	0.005	O I					0.18
1.667	0.05	0.01	0.006	O I					0.19
1.750	0.05	0.01	0.006	O I					0.20
1.833	0.06	0.01	0.006	O I					0.22
1.917	0.07	0.01	0.007	O I					0.23
2.000	0.07	0.01	0.007	O I					0.24

2.083	0.07	0.01	0.007	0	I					0.26
2.167	0.07	0.01	0.008	0	I					0.27
2.250	0.07	0.01	0.008	0	I					0.29
2.333	0.07	0.01	0.009	0	I					0.30
2.417	0.07	0.01	0.009	0	I					0.31
2.500	0.07	0.01	0.009	0	I					0.33
2.583	0.08	0.01	0.010	0	I					0.34
2.667	0.08	0.01	0.010	0	I					0.36
2.750	0.08	0.01	0.011	0	I					0.38
2.833	0.08	0.01	0.011	0	I					0.40
2.917	0.08	0.01	0.012	0	I					0.42
3.000	0.08	0.01	0.012	0	I					0.43
3.083	0.08	0.01	0.013	0	I					0.45
3.167	0.08	0.01	0.013	0	I					0.47
3.250	0.08	0.01	0.014	0	I					0.49
3.333	0.08	0.01	0.014	0	I					0.51
3.417	0.08	0.01	0.015	0	I					0.52
3.500	0.08	0.01	0.015	0	I					0.54
3.583	0.08	0.01	0.016	0	I					0.56
3.667	0.08	0.01	0.016	0	I					0.58
3.750	0.08	0.01	0.017	0	I					0.59
3.833	0.09	0.01	0.017	0	I					0.61
3.917	0.10	0.01	0.018	0	I					0.63
4.000	0.10	0.01	0.018	0	I					0.66
4.083	0.10	0.01	0.019	0	I					0.68
4.167	0.10	0.01	0.020	0	I					0.70
4.250	0.10	0.01	0.020	0	I					0.72
4.333	0.11	0.01	0.021	0	I					0.74
4.417	0.12	0.01	0.022	0	I					0.77
4.500	0.12	0.01	0.022	0	I					0.79
4.583	0.12	0.01	0.023	0	I					0.82
4.667	0.12	0.01	0.024	0	I					0.85
4.750	0.12	0.01	0.024	0	I					0.87
4.833	0.13	0.02	0.025	0	I					0.90
4.917	0.13	0.02	0.026	0	I					0.93
5.000	0.13	0.02	0.027	0	I					0.96
5.083	0.11	0.02	0.028	0	I					0.98
5.167	0.10	0.02	0.028	0	I					1.00
5.250	0.10	0.02	0.029	0	I					1.02
5.333	0.11	0.02	0.029	0	I					1.03
5.417	0.12	0.02	0.030	0	I					1.04
5.500	0.12	0.02	0.031	0	I					1.06
5.583	0.13	0.02	0.031	0	I					1.07
5.667	0.13	0.02	0.032	0	I					1.09
5.750	0.13	0.02	0.033	0	I					1.11
5.833	0.13	0.02	0.034	0	I					1.13
5.917	0.13	0.02	0.035	0	I					1.14
6.000	0.13	0.02	0.035	0	I					1.16
6.083	0.14	0.02	0.036	0	I					1.18
6.167	0.15	0.02	0.037	0	I					1.20

6.250	0.15	0.02	0.038	0	I					1.22
6.333	0.15	0.02	0.039	0	I					1.24
6.417	0.15	0.02	0.040	0	I					1.26
6.500	0.15	0.02	0.041	0	I					1.28
6.583	0.16	0.02	0.042	0	I					1.30
6.667	0.17	0.02	0.043	0	I					1.32
6.750	0.17	0.02	0.044	0	I					1.34
6.833	0.17	0.02	0.045	0	I					1.37
6.917	0.17	0.02	0.046	0	I					1.39
7.000	0.17	0.02	0.047	0	I					1.41
7.083	0.17	0.02	0.048	0	I					1.43
7.167	0.17	0.02	0.049	0	I					1.46
7.250	0.17	0.02	0.050	0	I					1.48
7.333	0.18	0.02	0.051	0	I					1.50
7.417	0.18	0.02	0.052	0	I					1.52
7.500	0.18	0.02	0.053	0	I					1.55
7.583	0.19	0.02	0.054	0	I					1.58
7.667	0.20	0.02	0.056	0	I					1.60
7.750	0.20	0.02	0.057	0	I					1.63
7.833	0.21	0.02	0.058	0	I					1.66
7.917	0.22	0.02	0.060	0	I					1.69
8.000	0.22	0.02	0.061	0	I					1.72
8.083	0.25	0.02	0.062	0		I				1.75
8.167	0.26	0.02	0.064	0		I				1.78
8.250	0.26	0.02	0.066	0		I				1.82
8.333	0.26	0.02	0.067	0		I				1.85
8.417	0.26	0.02	0.069	0		I				1.89
8.500	0.26	0.02	0.071	0		I				1.93
8.583	0.28	0.02	0.072	0		I				1.96
8.667	0.29	0.02	0.074	0		I				2.00
8.750	0.29	0.02	0.076	0		I				2.04
8.833	0.30	0.02	0.078	0		I				2.08
8.917	0.31	0.02	0.080	0		I				2.11
9.000	0.31	0.02	0.082	0		I				2.15
9.083	0.34	0.02	0.084	0			I			2.20
9.167	0.36	0.02	0.086	0			I			2.24
9.250	0.36	0.02	0.088	0			I			2.29
9.333	0.37	0.02	0.091	0			I			2.33
9.417	0.38	0.02	0.093	0			I			2.38
9.500	0.38	0.02	0.096	0			I			2.43
9.583	0.40	0.02	0.098	0			I			2.48
9.667	0.40	0.02	0.101	0			I			2.53
9.750	0.40	0.02	0.104	0			I			2.58
9.833	0.42	0.02	0.106	0			I			2.64
9.917	0.43	0.02	0.109	0			I			2.69
10.000	0.43	0.02	0.112	0			I			2.75
10.083	0.33	0.03	0.114	0		I				2.79
10.167	0.28	0.04	0.116	0		I				2.83
10.250	0.27	0.04	0.118	0		I				2.86
10.333	0.27	0.04	0.120	0		I				2.89

10.417	0.27	0.04	0.121	0		I				2.92
10.500	0.27	0.05	0.123	0		I				2.95
10.583	0.34	0.05	0.124	0			I			2.99
10.667	0.38	0.05	0.127	0				I		3.04
10.750	0.39	0.05	0.129	0					I	3.09
10.833	0.39	0.05	0.131	0					I	3.14
10.917	0.39	0.06	0.133	0					I	3.19
11.000	0.39	0.06	0.136	0					I	3.24
11.083	0.37	0.06	0.138	0				I		3.29
11.167	0.37	0.06	0.140	0				I		3.33
11.250	0.37	0.06	0.142	0				I		3.38
11.333	0.37	0.06	0.144	0				I		3.43
11.417	0.37	0.06	0.146	0				I		3.47
11.500	0.37	0.07	0.148	0				I		3.52
11.583	0.34	0.07	0.150	0				I		3.56
11.667	0.32	0.07	0.152	0			I			3.60
11.750	0.32	0.07	0.154	0			I			3.64
11.833	0.34	0.07	0.156	0			I			3.68
11.917	0.34	0.07	0.158	0			I			3.72
12.000	0.35	0.07	0.159	0			I			3.76
12.083	0.44	0.07	0.162	0				I		3.81
12.167	0.50	0.08	0.164	0					I	3.87
12.250	0.50	0.08	0.167	0					I	3.94
12.333	0.52	0.09	0.170	0					I	4.01
12.417	0.53	0.16	0.173		0				I	4.07
12.500	0.53	0.23	0.175			0			I	4.13
12.583	0.56	0.28	0.177				0		I	4.18
12.667	0.57	0.33	0.179					0	I	4.23
12.750	0.57	0.38	0.181						I	4.27
12.833	0.59	0.42	0.182					0	I	4.30
12.917	0.60	0.46	0.183						I	4.34
13.000	0.60	0.49	0.184						I	4.36
13.083	0.67	0.52	0.185						I	4.39
13.167	0.71	0.56	0.186						I	4.42
13.250	0.71	0.59	0.187						I	4.45
13.333	0.71	0.62	0.187						I	4.48
13.417	0.71	0.64	0.188						I	4.50
13.500	0.71	0.65	0.188						I	4.52
13.583	0.56	0.65	0.188						I	4.51
13.667	0.47	0.62	0.187						I	4.48
13.750	0.46	0.59	0.186						I	4.45
13.833	0.47	0.56	0.186						I	4.43
13.917	0.47	0.54	0.185						I	4.41
14.000	0.47	0.52	0.185						I	4.40
14.083	0.52	0.52	0.184						I	4.39
14.167	0.55	0.52	0.185						I	4.39
14.250	0.56	0.53	0.185						I	4.40
14.333	0.54	0.53	0.185						I	4.40
14.417	0.54	0.53	0.185						I	4.40
14.500	0.54	0.54	0.185						I	4.40

14.583	0.54	0.54	0.185				0	4.40
14.667	0.54	0.54	0.185				0	4.41
14.750	0.54	0.54	0.185				0	4.41
14.833	0.52	0.53	0.185				0	4.40
14.917	0.51	0.53	0.185				0	4.40
15.000	0.51	0.53	0.185				0	4.40
15.083	0.50	0.52	0.185				IO	4.39
15.167	0.49	0.52	0.184				IO	4.39
15.250	0.49	0.51	0.184				0	4.38
15.333	0.48	0.51	0.184				IO	4.38
15.417	0.47	0.50	0.184				IO	4.37
15.500	0.47	0.49	0.184				IO	4.37
15.583	0.41	0.48	0.183			I	0	4.36
15.667	0.38	0.46	0.183			I	0	4.34
15.750	0.38	0.45	0.182			I	0	4.33
15.833	0.38	0.43	0.182			I	0	4.31
15.917	0.38	0.42	0.182			IO		4.30
16.000	0.38	0.41	0.181			IO		4.30
16.083	0.19	0.39	0.181		I		0	4.27
16.167	0.08	0.34	0.179	I			0	4.23
16.250	0.07	0.29	0.177	I			0	4.19
16.333	0.07	0.25	0.176	I			0	4.15
16.417	0.07	0.22	0.175	I		0		4.12
16.500	0.07	0.19	0.174	I		0		4.10
16.583	0.06	0.17	0.173	I		0		4.08
16.667	0.05	0.15	0.172	I		0		4.06
16.750	0.05	0.13	0.172	I		0		4.05
16.833	0.05	0.12	0.171	I		0		4.03
16.917	0.05	0.10	0.171	I		0		4.02
17.000	0.05	0.10	0.171	I		0		4.01
17.083	0.07	0.09	0.170	IO				4.01
17.167	0.08	0.09	0.170	0				4.01
17.250	0.08	0.09	0.170	0				4.01
17.333	0.08	0.09	0.170	0				4.01
17.417	0.08	0.09	0.170	0				4.00
17.500	0.08	0.09	0.170	0				4.00
17.583	0.08	0.08	0.170	0				4.00
17.667	0.08	0.08	0.170	0				4.00
17.750	0.08	0.08	0.170	0				4.00
17.833	0.07	0.08	0.170	0				4.00
17.917	0.07	0.08	0.170	0				4.00
18.000	0.07	0.08	0.170	0				4.00
18.083	0.07	0.08	0.170	0				4.00
18.167	0.07	0.08	0.170	0				3.99
18.250	0.07	0.08	0.170	0				3.99
18.333	0.07	0.08	0.170	0				3.99
18.417	0.07	0.08	0.170	0				3.99
18.500	0.07	0.08	0.169	0				3.99
18.583	0.06	0.08	0.169	IO				3.98
18.667	0.05	0.08	0.169	IO				3.98

18.750	0.05	0.08	0.169	IO					3.98
18.833	0.04	0.08	0.169	I 0					3.97
18.917	0.03	0.08	0.168	I 0					3.96
19.000	0.03	0.08	0.168	I 0					3.96
19.083	0.04	0.08	0.168	I 0					3.95
19.167	0.05	0.08	0.168	IO					3.95
19.250	0.05	0.08	0.167	IO					3.94
19.333	0.06	0.08	0.167	IO					3.94
19.417	0.07	0.08	0.167	IO					3.94
19.500	0.07	0.08	0.167	0					3.93
19.583	0.06	0.08	0.167	IO					3.93
19.667	0.05	0.08	0.167	IO					3.93
19.750	0.05	0.08	0.167	IO					3.92
19.833	0.04	0.08	0.166	I 0					3.92
19.917	0.03	0.08	0.166	I 0					3.91
20.000	0.03	0.08	0.166	I 0					3.91
20.083	0.04	0.08	0.166	I 0					3.90
20.167	0.05	0.08	0.165	IO					3.90
20.250	0.05	0.08	0.165	IO					3.89
20.333	0.05	0.08	0.165	IO					3.89
20.417	0.05	0.08	0.165	IO					3.88
20.500	0.05	0.08	0.165	IO					3.88
20.583	0.05	0.08	0.164	IO					3.88
20.667	0.05	0.08	0.164	IO					3.87
20.750	0.05	0.08	0.164	IO					3.87
20.833	0.04	0.08	0.164	I 0					3.86
20.917	0.03	0.08	0.164	I 0					3.86
21.000	0.03	0.08	0.163	I 0					3.85
21.083	0.04	0.08	0.163	I 0					3.84
21.167	0.05	0.08	0.163	IO					3.84
21.250	0.05	0.08	0.163	IO					3.84
21.333	0.04	0.08	0.162	I 0					3.83
21.417	0.03	0.07	0.162	I 0					3.83
21.500	0.03	0.07	0.162	I 0					3.82
21.583	0.04	0.07	0.162	I 0					3.81
21.667	0.05	0.07	0.161	IO					3.81
21.750	0.05	0.07	0.161	IO					3.81
21.833	0.04	0.07	0.161	I 0					3.80
21.917	0.03	0.07	0.161	I 0					3.80
22.000	0.03	0.07	0.161	I 0					3.79
22.083	0.04	0.07	0.160	I 0					3.78
22.167	0.05	0.07	0.160	IO					3.78
22.250	0.05	0.07	0.160	IO					3.78
22.333	0.04	0.07	0.160	I 0					3.77
22.417	0.03	0.07	0.159	I 0					3.77
22.500	0.03	0.07	0.159	I 0					3.76
22.583	0.03	0.07	0.159	I 0					3.75
22.667	0.03	0.07	0.159	I 0					3.75
22.750	0.03	0.07	0.158	I 0					3.74
22.833	0.03	0.07	0.158	I 0					3.74

22.917	0.03	0.07	0.158	I 0					3.73
23.000	0.03	0.07	0.158	I 0					3.72
23.083	0.03	0.07	0.157	I 0					3.72
23.167	0.03	0.07	0.157	I 0					3.71
23.250	0.03	0.07	0.157	I 0					3.71
23.333	0.03	0.07	0.157	I 0					3.70
23.417	0.03	0.07	0.156	I 0					3.70
23.500	0.03	0.07	0.156	I 0					3.69
23.583	0.03	0.07	0.156	I 0					3.68
23.667	0.03	0.07	0.156	I 0					3.68
23.750	0.03	0.07	0.155	I 0					3.67
23.833	0.03	0.07	0.155	I 0					3.67
23.917	0.03	0.07	0.155	I 0					3.66
24.000	0.03	0.07	0.155	I 0					3.66
24.083	0.01	0.07	0.154	I 0					3.65
24.167	0.00	0.07	0.154	I 0					3.64
24.250	0.00	0.07	0.153	I 0					3.63
24.333	0.00	0.07	0.153	I 0					3.62
24.417	0.00	0.07	0.152	I 0					3.61
24.500	0.00	0.07	0.152	I 0					3.60
24.583	0.00	0.07	0.151	I 0					3.59
24.667	0.00	0.07	0.151	I 0					3.58
24.750	0.00	0.07	0.150	I 0					3.57
24.833	0.00	0.07	0.150	I 0					3.56
24.917	0.00	0.07	0.150	I 0					3.55
25.000	0.00	0.07	0.149	I 0					3.53
25.083	0.00	0.07	0.149	I 0					3.52
25.167	0.00	0.07	0.148	I 0					3.51
25.250	0.00	0.07	0.148	I 0					3.50
25.333	0.00	0.07	0.147	I 0					3.49
25.417	0.00	0.07	0.147	I 0					3.48
25.500	0.00	0.06	0.146	I 0					3.47
25.583	0.00	0.06	0.146	I 0					3.46
25.667	0.00	0.06	0.145	I 0					3.45
25.750	0.00	0.06	0.145	I 0					3.45
25.833	0.00	0.06	0.145	I 0					3.44
25.917	0.00	0.06	0.144	I 0					3.43
26.000	0.00	0.06	0.144	I 0					3.42
26.083	0.00	0.06	0.143	I 0					3.41
26.167	0.00	0.06	0.143	I 0					3.40
26.250	0.00	0.06	0.142	I 0					3.39
26.333	0.00	0.06	0.142	I 0					3.38
26.417	0.00	0.06	0.142	I 0					3.37
26.500	0.00	0.06	0.141	I 0					3.36
26.583	0.00	0.06	0.141	I 0					3.35
26.667	0.00	0.06	0.140	I 0					3.34
26.750	0.00	0.06	0.140	I 0					3.33
26.833	0.00	0.06	0.139	I 0					3.32
26.917	0.00	0.06	0.139	I 0					3.31
27.000	0.00	0.06	0.139	I 0					3.30

27.083	0.00	0.06	0.138	I 0					3.29
27.167	0.00	0.06	0.138	I 0					3.28
27.250	0.00	0.06	0.137	I 0					3.28
27.333	0.00	0.06	0.137	I 0					3.27
27.417	0.00	0.06	0.137	I 0					3.26
27.500	0.00	0.06	0.136	I 0					3.25
27.583	0.00	0.06	0.136	I 0					3.24
27.667	0.00	0.06	0.135	I 0					3.23
27.750	0.00	0.06	0.135	I 0					3.22
27.833	0.00	0.06	0.135	I 0					3.21
27.917	0.00	0.06	0.134	I 0					3.20
28.000	0.00	0.06	0.134	I 0					3.20
28.083	0.00	0.06	0.133	I 0					3.19
28.167	0.00	0.06	0.133	I 0					3.18
28.250	0.00	0.06	0.133	I 0					3.17
28.333	0.00	0.06	0.132	I 0					3.16
28.417	0.00	0.06	0.132	I 0					3.15
28.500	0.00	0.06	0.132	I 0					3.14
28.583	0.00	0.05	0.131	I 0					3.14
28.667	0.00	0.05	0.131	I 0					3.13
28.750	0.00	0.05	0.130	I 0					3.12
28.833	0.00	0.05	0.130	I 0					3.11
28.917	0.00	0.05	0.130	I 0					3.10
29.000	0.00	0.05	0.129	I 0					3.09
29.083	0.00	0.05	0.129	I 0					3.09
29.167	0.00	0.05	0.129	I 0					3.08
29.250	0.00	0.05	0.128	I 0					3.07
29.333	0.00	0.05	0.128	I 0					3.06
29.417	0.00	0.05	0.127	I 0					3.05
29.500	0.00	0.05	0.127	I 0					3.05
29.583	0.00	0.05	0.127	I 0					3.04
29.667	0.00	0.05	0.126	I 0					3.03
29.750	0.00	0.05	0.126	I 0					3.02
29.833	0.00	0.05	0.126	I 0					3.01
29.917	0.00	0.05	0.125	I 0					3.01
30.000	0.00	0.05	0.125	I 0					3.00
30.083	0.00	0.05	0.125	I 0					2.99
30.167	0.00	0.05	0.124	I 0					2.98
30.250	0.00	0.05	0.124	I 0					2.98
30.333	0.00	0.05	0.124	I 0					2.97
30.417	0.00	0.05	0.123	I 0					2.96
30.500	0.00	0.05	0.123	I 0					2.96
30.583	0.00	0.05	0.123	I 0					2.95
30.667	0.00	0.05	0.122	I 0					2.95
30.750	0.00	0.05	0.122	I 0					2.94
30.833	0.00	0.05	0.122	I 0					2.93
30.917	0.00	0.04	0.121	I 0					2.93
31.000	0.00	0.04	0.121	IO					2.92
31.083	0.00	0.04	0.121	IO					2.91
31.167	0.00	0.04	0.120	IO					2.91

31.250	0.00	0.04	0.120	IO					2.90
31.333	0.00	0.04	0.120	IO					2.90
31.417	0.00	0.04	0.120	IO					2.89
31.500	0.00	0.04	0.119	IO					2.89
31.583	0.00	0.04	0.119	IO					2.88
31.667	0.00	0.04	0.119	IO					2.87
31.750	0.00	0.04	0.118	IO					2.87
31.833	0.00	0.04	0.118	IO					2.86
31.917	0.00	0.04	0.118	IO					2.86
32.000	0.00	0.04	0.118	IO					2.85
32.083	0.00	0.04	0.117	IO					2.85
32.167	0.00	0.04	0.117	IO					2.84
32.250	0.00	0.04	0.117	IO					2.84
32.333	0.00	0.04	0.117	IO					2.83
32.417	0.00	0.04	0.116	IO					2.83
32.500	0.00	0.04	0.116	IO					2.82
32.583	0.00	0.04	0.116	IO					2.82
32.667	0.00	0.03	0.116	IO					2.81
32.750	0.00	0.03	0.115	IO					2.81
32.833	0.00	0.03	0.115	IO					2.80
32.917	0.00	0.03	0.115	IO					2.80
33.000	0.00	0.03	0.115	IO					2.79
33.083	0.00	0.03	0.114	IO					2.79
33.167	0.00	0.03	0.114	IO					2.79
33.250	0.00	0.03	0.114	IO					2.78
33.333	0.00	0.03	0.114	IO					2.78
33.417	0.00	0.03	0.114	IO					2.78
33.500	0.00	0.02	0.113	IO					2.77
33.583	0.00	0.02	0.113	IO					2.77
33.667	0.00	0.02	0.113	IO					2.77
33.750	0.00	0.02	0.113	0					2.77
33.833	0.00	0.02	0.113	0					2.76
33.917	0.00	0.02	0.113	0					2.76
34.000	0.00	0.02	0.113	0					2.76
34.083	0.00	0.02	0.112	0					2.76
34.167	0.00	0.02	0.112	0					2.76
34.250	0.00	0.02	0.112	0					2.75
34.333	0.00	0.02	0.112	0					2.75
34.417	0.00	0.02	0.112	0					2.75
34.500	0.00	0.02	0.112	0					2.75
34.583	0.00	0.02	0.112	0					2.75
34.667	0.00	0.02	0.112	0					2.74
34.750	0.00	0.02	0.112	0					2.74
34.833	0.00	0.02	0.111	0					2.74
34.917	0.00	0.02	0.111	0					2.74
35.000	0.00	0.02	0.111	0					2.73
35.083	0.00	0.02	0.111	0					2.73
35.167	0.00	0.02	0.111	0					2.73
35.250	0.00	0.02	0.111	0					2.73
35.333	0.00	0.02	0.111	0					2.73

35.417	0.00	0.02	0.111	0					2.72
35.500	0.00	0.02	0.111	0					2.72
35.583	0.00	0.02	0.110	0					2.72
35.667	0.00	0.02	0.110	0					2.72
35.750	0.00	0.02	0.110	0					2.71
35.833	0.00	0.02	0.110	0					2.71
35.917	0.00	0.02	0.110	0					2.71
36.000	0.00	0.02	0.110	0					2.71
36.083	0.00	0.02	0.110	0					2.71
36.167	0.00	0.02	0.110	0					2.70
36.250	0.00	0.02	0.110	0					2.70
36.333	0.00	0.02	0.109	0					2.70
36.417	0.00	0.02	0.109	0					2.70
36.500	0.00	0.02	0.109	0					2.69
36.583	0.00	0.02	0.109	0					2.69
36.667	0.00	0.02	0.109	0					2.69
36.750	0.00	0.02	0.109	0					2.69
36.833	0.00	0.02	0.109	0					2.69
36.917	0.00	0.02	0.109	0					2.68
37.000	0.00	0.02	0.108	0					2.68
37.083	0.00	0.02	0.108	0					2.68
37.167	0.00	0.02	0.108	0					2.68
37.250	0.00	0.02	0.108	0					2.67
37.333	0.00	0.02	0.108	0					2.67
37.417	0.00	0.02	0.108	0					2.67
37.500	0.00	0.02	0.108	0					2.67
37.583	0.00	0.02	0.108	0					2.66
37.667	0.00	0.02	0.108	0					2.66
37.750	0.00	0.02	0.107	0					2.66
37.833	0.00	0.02	0.107	0					2.66
37.917	0.00	0.02	0.107	0					2.66
38.000	0.00	0.02	0.107	0					2.65
38.083	0.00	0.02	0.107	0					2.65
38.167	0.00	0.02	0.107	0					2.65
38.250	0.00	0.02	0.107	0					2.65
38.333	0.00	0.02	0.107	0					2.64
38.417	0.00	0.02	0.107	0					2.64
38.500	0.00	0.02	0.106	0					2.64
38.583	0.00	0.02	0.106	0					2.64
38.667	0.00	0.02	0.106	0					2.64
38.750	0.00	0.02	0.106	0					2.63
38.833	0.00	0.02	0.106	0					2.63
38.917	0.00	0.02	0.106	0					2.63
39.000	0.00	0.02	0.106	0					2.63
39.083	0.00	0.02	0.106	0					2.62
39.167	0.00	0.02	0.105	0					2.62
39.250	0.00	0.02	0.105	0					2.62
39.333	0.00	0.02	0.105	0					2.62
39.417	0.00	0.02	0.105	0					2.61
39.500	0.00	0.02	0.105	0					2.61

39.583	0.00	0.02	0.105	0					2.61
39.667	0.00	0.02	0.105	0					2.61
39.750	0.00	0.02	0.105	0					2.61
39.833	0.00	0.02	0.105	0					2.60
39.917	0.00	0.02	0.104	0					2.60
40.000	0.00	0.02	0.104	0					2.60
40.083	0.00	0.02	0.104	0					2.60
40.167	0.00	0.02	0.104	0					2.59
40.250	0.00	0.02	0.104	0					2.59
40.333	0.00	0.02	0.104	0					2.59
40.417	0.00	0.02	0.104	0					2.59
40.500	0.00	0.02	0.104	0					2.58
40.583	0.00	0.02	0.103	0					2.58
40.667	0.00	0.02	0.103	0					2.58
40.750	0.00	0.02	0.103	0					2.58
40.833	0.00	0.02	0.103	0					2.57
40.917	0.00	0.02	0.103	0					2.57
41.000	0.00	0.02	0.103	0					2.57
41.083	0.00	0.02	0.103	0					2.57
41.167	0.00	0.02	0.103	0					2.57
41.250	0.00	0.02	0.103	0					2.56
41.333	0.00	0.02	0.102	0					2.56
41.417	0.00	0.02	0.102	0					2.56
41.500	0.00	0.02	0.102	0					2.56
41.583	0.00	0.02	0.102	0					2.55
41.667	0.00	0.02	0.102	0					2.55
41.750	0.00	0.02	0.102	0					2.55
41.833	0.00	0.02	0.102	0					2.55
41.917	0.00	0.02	0.102	0					2.54
42.000	0.00	0.02	0.101	0					2.54
42.083	0.00	0.02	0.101	0					2.54
42.167	0.00	0.02	0.101	0					2.54
42.250	0.00	0.02	0.101	0					2.53
42.333	0.00	0.02	0.101	0					2.53
42.417	0.00	0.02	0.101	0					2.53
42.500	0.00	0.02	0.101	0					2.53
42.583	0.00	0.02	0.101	0					2.52
42.667	0.00	0.02	0.100	0					2.52
42.750	0.00	0.02	0.100	0					2.52
42.833	0.00	0.02	0.100	0					2.52
42.917	0.00	0.02	0.100	0					2.51
43.000	0.00	0.02	0.100	0					2.51
43.083	0.00	0.02	0.100	0					2.51
43.167	0.00	0.02	0.100	0					2.51
43.250	0.00	0.02	0.100	0					2.50
43.333	0.00	0.02	0.099	0					2.50
43.417	0.00	0.02	0.099	0					2.50
43.500	0.00	0.02	0.099	0					2.50
43.583	0.00	0.02	0.099	0					2.50
43.667	0.00	0.02	0.099	0					2.49

43.750	0.00	0.02	0.099	0					2.49
43.833	0.00	0.02	0.099	0					2.49
43.917	0.00	0.02	0.099	0					2.49
44.000	0.00	0.02	0.098	0					2.48
44.083	0.00	0.02	0.098	0					2.48
44.167	0.00	0.02	0.098	0					2.48
44.250	0.00	0.02	0.098	0					2.48
44.333	0.00	0.02	0.098	0					2.47
44.417	0.00	0.02	0.098	0					2.47
44.500	0.00	0.02	0.098	0					2.47
44.583	0.00	0.02	0.098	0					2.47
44.667	0.00	0.02	0.097	0					2.46
44.750	0.00	0.02	0.097	0					2.46
44.833	0.00	0.02	0.097	0					2.46
44.917	0.00	0.02	0.097	0					2.46
45.000	0.00	0.02	0.097	0					2.45
45.083	0.00	0.02	0.097	0					2.45
45.167	0.00	0.02	0.097	0					2.45
45.250	0.00	0.02	0.097	0					2.45
45.333	0.00	0.02	0.096	0					2.44
45.417	0.00	0.02	0.096	0					2.44
45.500	0.00	0.02	0.096	0					2.44
45.583	0.00	0.02	0.096	0					2.44
45.667	0.00	0.02	0.096	0					2.43
45.750	0.00	0.02	0.096	0					2.43
45.833	0.00	0.02	0.096	0					2.43
45.917	0.00	0.02	0.096	0					2.43
46.000	0.00	0.02	0.095	0					2.42
46.083	0.00	0.02	0.095	0					2.42
46.167	0.00	0.02	0.095	0					2.42
46.250	0.00	0.02	0.095	0					2.42
46.333	0.00	0.02	0.095	0					2.41
46.417	0.00	0.02	0.095	0					2.41
46.500	0.00	0.02	0.095	0					2.41
46.583	0.00	0.02	0.095	0					2.41
46.667	0.00	0.02	0.094	0					2.40
46.750	0.00	0.02	0.094	0					2.40
46.833	0.00	0.02	0.094	0					2.40
46.917	0.00	0.02	0.094	0					2.39
47.000	0.00	0.02	0.094	0					2.39
47.083	0.00	0.02	0.094	0					2.39
47.167	0.00	0.02	0.094	0					2.39
47.250	0.00	0.02	0.093	0					2.38
47.333	0.00	0.02	0.093	0					2.38
47.417	0.00	0.02	0.093	0					2.38
47.500	0.00	0.02	0.093	0					2.38
47.583	0.00	0.02	0.093	0					2.37
47.667	0.00	0.02	0.093	0					2.37
47.750	0.00	0.02	0.093	0					2.37
47.833	0.00	0.02	0.093	0					2.37

47.917	0.00	0.02	0.092	0					2.36
48.000	0.00	0.02	0.092	0					2.36
48.083	0.00	0.02	0.092	0					2.36
48.167	0.00	0.02	0.092	0					2.36
48.250	0.00	0.02	0.092	0					2.35
48.333	0.00	0.02	0.092	0					2.35
48.417	0.00	0.02	0.092	0					2.35
48.500	0.00	0.02	0.092	0					2.35
48.583	0.00	0.02	0.091	0					2.34
48.667	0.00	0.02	0.091	0					2.34
48.750	0.00	0.02	0.091	0					2.34
48.833	0.00	0.02	0.091	0					2.34
48.917	0.00	0.02	0.091	0					2.33
49.000	0.00	0.02	0.091	0					2.33
49.083	0.00	0.02	0.091	0					2.33
49.167	0.00	0.02	0.090	0					2.32
49.250	0.00	0.02	0.090	0					2.32
49.333	0.00	0.02	0.090	0					2.32
49.417	0.00	0.02	0.090	0					2.32
49.500	0.00	0.02	0.090	0					2.31
49.583	0.00	0.02	0.090	0					2.31
49.667	0.00	0.02	0.090	0					2.31
49.750	0.00	0.02	0.090	0					2.31
49.833	0.00	0.02	0.089	0					2.30
49.917	0.00	0.02	0.089	0					2.30
50.000	0.00	0.02	0.089	0					2.30
50.083	0.00	0.02	0.089	0					2.30
50.167	0.00	0.02	0.089	0					2.29
50.250	0.00	0.02	0.089	0					2.29
50.333	0.00	0.02	0.089	0					2.29
50.417	0.00	0.02	0.088	0					2.28
50.500	0.00	0.02	0.088	0					2.28
50.583	0.00	0.02	0.088	0					2.28
50.667	0.00	0.02	0.088	0					2.28
50.750	0.00	0.02	0.088	0					2.27
50.833	0.00	0.02	0.088	0					2.27
50.917	0.00	0.02	0.088	0					2.27
51.000	0.00	0.02	0.087	0					2.27
51.083	0.00	0.02	0.087	0					2.26
51.167	0.00	0.02	0.087	0					2.26
51.250	0.00	0.02	0.087	0					2.26
51.333	0.00	0.02	0.087	0					2.26
51.417	0.00	0.02	0.087	0					2.25
51.500	0.00	0.02	0.087	0					2.25
51.583	0.00	0.02	0.087	0					2.25
51.667	0.00	0.02	0.086	0					2.24
51.750	0.00	0.02	0.086	0					2.24
51.833	0.00	0.02	0.086	0					2.24
51.917	0.00	0.02	0.086	0					2.24
52.000	0.00	0.02	0.086	0					2.23

52.083	0.00	0.02	0.086	0					2.23
52.167	0.00	0.02	0.086	0					2.23
52.250	0.00	0.02	0.085	0					2.23
52.333	0.00	0.02	0.085	0					2.22
52.417	0.00	0.02	0.085	0					2.22
52.500	0.00	0.02	0.085	0					2.22
52.583	0.00	0.02	0.085	0					2.21
52.667	0.00	0.02	0.085	0					2.21
52.750	0.00	0.02	0.085	0					2.21
52.833	0.00	0.02	0.084	0					2.21
52.917	0.00	0.02	0.084	0					2.20
53.000	0.00	0.02	0.084	0					2.20
53.083	0.00	0.02	0.084	0					2.20
53.167	0.00	0.02	0.084	0					2.19
53.250	0.00	0.02	0.084	0					2.19
53.333	0.00	0.02	0.084	0					2.19
53.417	0.00	0.02	0.083	0					2.19
53.500	0.00	0.02	0.083	0					2.18
53.583	0.00	0.02	0.083	0					2.18
53.667	0.00	0.02	0.083	0					2.18
53.750	0.00	0.02	0.083	0					2.18
53.833	0.00	0.02	0.083	0					2.17
53.917	0.00	0.02	0.083	0					2.17
54.000	0.00	0.02	0.082	0					2.17
54.083	0.00	0.02	0.082	0					2.16
54.167	0.00	0.02	0.082	0					2.16
54.250	0.00	0.02	0.082	0					2.16
54.333	0.00	0.02	0.082	0					2.16
54.417	0.00	0.02	0.082	0					2.15
54.500	0.00	0.02	0.082	0					2.15
54.583	0.00	0.02	0.081	0					2.15
54.667	0.00	0.02	0.081	0					2.14
54.750	0.00	0.02	0.081	0					2.14
54.833	0.00	0.02	0.081	0					2.14
54.917	0.00	0.02	0.081	0					2.14
55.000	0.00	0.02	0.081	0					2.13
55.083	0.00	0.02	0.081	0					2.13
55.167	0.00	0.02	0.080	0					2.13
55.250	0.00	0.02	0.080	0					2.12
55.333	0.00	0.02	0.080	0					2.12
55.417	0.00	0.02	0.080	0					2.12
55.500	0.00	0.02	0.080	0					2.12
55.583	0.00	0.02	0.080	0					2.11
55.667	0.00	0.02	0.080	0					2.11
55.750	0.00	0.02	0.079	0					2.11
55.833	0.00	0.02	0.079	0					2.10
55.917	0.00	0.02	0.079	0					2.10
56.000	0.00	0.02	0.079	0					2.10
56.083	0.00	0.02	0.079	0					2.10
56.167	0.00	0.02	0.079	0					2.09

56.250	0.00	0.02	0.079	0					2.09
56.333	0.00	0.02	0.078	0					2.09
56.417	0.00	0.02	0.078	0					2.08
56.500	0.00	0.02	0.078	0					2.08
56.583	0.00	0.02	0.078	0					2.08
56.667	0.00	0.02	0.078	0					2.08
56.750	0.00	0.02	0.078	0					2.07
56.833	0.00	0.02	0.078	0					2.07
56.917	0.00	0.02	0.077	0					2.07
57.000	0.00	0.02	0.077	0					2.06
57.083	0.00	0.02	0.077	0					2.06
57.167	0.00	0.02	0.077	0					2.06
57.250	0.00	0.02	0.077	0					2.05
57.333	0.00	0.02	0.077	0					2.05
57.417	0.00	0.02	0.076	0					2.05
57.500	0.00	0.02	0.076	0					2.05
57.583	0.00	0.02	0.076	0					2.04
57.667	0.00	0.02	0.076	0					2.04
57.750	0.00	0.02	0.076	0					2.04
57.833	0.00	0.02	0.076	0					2.03
57.917	0.00	0.02	0.076	0					2.03
58.000	0.00	0.02	0.075	0					2.03
58.083	0.00	0.02	0.075	0					2.03
58.167	0.00	0.02	0.075	0					2.02
58.250	0.00	0.02	0.075	0					2.02
58.333	0.00	0.02	0.075	0					2.02
58.417	0.00	0.02	0.075	0					2.01
58.500	0.00	0.02	0.075	0					2.01
58.583	0.00	0.02	0.074	0					2.01
58.667	0.00	0.02	0.074	0					2.00
58.750	0.00	0.02	0.074	0					2.00
58.833	0.00	0.02	0.074	0					2.00
58.917	0.00	0.02	0.074	0					2.00
59.000	0.00	0.02	0.074	0					1.99
59.083	0.00	0.02	0.073	0					1.99
59.167	0.00	0.02	0.073	0					1.99
59.250	0.00	0.02	0.073	0					1.98
59.333	0.00	0.02	0.073	0					1.98
59.417	0.00	0.02	0.073	0					1.98
59.500	0.00	0.02	0.073	0					1.97
59.583	0.00	0.02	0.073	0					1.97
59.667	0.00	0.02	0.072	0					1.97
59.750	0.00	0.02	0.072	0					1.96
59.833	0.00	0.02	0.072	0					1.96
59.917	0.00	0.02	0.072	0					1.96
60.000	0.00	0.02	0.072	0					1.95
60.083	0.00	0.02	0.072	0					1.95
60.167	0.00	0.02	0.072	0					1.95
60.250	0.00	0.02	0.071	0					1.94
60.333	0.00	0.02	0.071	0					1.94

60.417	0.00	0.02	0.071	0					1.94
60.500	0.00	0.02	0.071	0					1.93
60.583	0.00	0.02	0.071	0					1.93
60.667	0.00	0.02	0.071	0					1.93
60.750	0.00	0.02	0.070	0					1.92
60.833	0.00	0.02	0.070	0					1.92
60.917	0.00	0.02	0.070	0					1.92
61.000	0.00	0.02	0.070	0					1.91
61.083	0.00	0.02	0.070	0					1.91
61.167	0.00	0.02	0.070	0					1.91
61.250	0.00	0.02	0.070	0					1.90
61.333	0.00	0.02	0.069	0					1.90
61.417	0.00	0.02	0.069	0					1.90
61.500	0.00	0.02	0.069	0					1.89
61.583	0.00	0.02	0.069	0					1.89
61.667	0.00	0.02	0.069	0					1.89
61.750	0.00	0.02	0.069	0					1.89
61.833	0.00	0.02	0.069	0					1.88
61.917	0.00	0.02	0.068	0					1.88
62.000	0.00	0.02	0.068	0					1.88
62.083	0.00	0.02	0.068	0					1.87
62.167	0.00	0.02	0.068	0					1.87
62.250	0.00	0.02	0.068	0					1.87
62.333	0.00	0.02	0.068	0					1.86
62.417	0.00	0.02	0.068	0					1.86
62.500	0.00	0.02	0.067	0					1.86
62.583	0.00	0.02	0.067	0					1.85
62.667	0.00	0.02	0.067	0					1.85
62.750	0.00	0.02	0.067	0					1.85
62.833	0.00	0.02	0.067	0					1.84
62.917	0.00	0.02	0.067	0					1.84
63.000	0.00	0.02	0.067	0					1.84
63.083	0.00	0.02	0.066	0					1.83
63.167	0.00	0.02	0.066	0					1.83
63.250	0.00	0.02	0.066	0					1.83
63.333	0.00	0.02	0.066	0					1.82
63.417	0.00	0.02	0.066	0					1.82
63.500	0.00	0.02	0.066	0					1.82
63.583	0.00	0.02	0.066	0					1.82
63.667	0.00	0.02	0.065	0					1.81
63.750	0.00	0.02	0.065	0					1.81
63.833	0.00	0.02	0.065	0					1.81
63.917	0.00	0.02	0.065	0					1.80
64.000	0.00	0.02	0.065	0					1.80
64.083	0.00	0.02	0.065	0					1.80
64.167	0.00	0.02	0.065	0					1.79
64.250	0.00	0.02	0.064	0					1.79
64.333	0.00	0.02	0.064	0					1.79
64.417	0.00	0.02	0.064	0					1.78
64.500	0.00	0.02	0.064	0					1.78

64.583	0.00	0.02	0.064	0					1.78
64.667	0.00	0.02	0.064	0					1.78
64.750	0.00	0.02	0.064	0					1.77
64.833	0.00	0.02	0.063	0					1.77
64.917	0.00	0.02	0.063	0					1.77
65.000	0.00	0.02	0.063	0					1.76
65.083	0.00	0.02	0.063	0					1.76
65.167	0.00	0.02	0.063	0					1.76
65.250	0.00	0.02	0.063	0					1.75
65.333	0.00	0.02	0.063	0					1.75
65.417	0.00	0.02	0.062	0					1.75
65.500	0.00	0.02	0.062	0					1.74
65.583	0.00	0.02	0.062	0					1.74
65.667	0.00	0.02	0.062	0					1.74
65.750	0.00	0.02	0.062	0					1.74
65.833	0.00	0.02	0.062	0					1.73
65.917	0.00	0.02	0.062	0					1.73
66.000	0.00	0.02	0.061	0					1.73
66.083	0.00	0.02	0.061	0					1.72
66.167	0.00	0.02	0.061	0					1.72
66.250	0.00	0.02	0.061	0					1.72
66.333	0.00	0.02	0.061	0					1.71
66.417	0.00	0.02	0.061	0					1.71
66.500	0.00	0.02	0.061	0					1.71
66.583	0.00	0.02	0.060	0					1.70
66.667	0.00	0.02	0.060	0					1.70
66.750	0.00	0.02	0.060	0					1.70
66.833	0.00	0.02	0.060	0					1.70
66.917	0.00	0.02	0.060	0					1.69
67.000	0.00	0.02	0.060	0					1.69
67.083	0.00	0.02	0.060	0					1.69
67.167	0.00	0.02	0.059	0					1.68
67.250	0.00	0.02	0.059	0					1.68
67.333	0.00	0.02	0.059	0					1.68
67.417	0.00	0.02	0.059	0					1.67
67.500	0.00	0.02	0.059	0					1.67
67.583	0.00	0.02	0.059	0					1.67
67.667	0.00	0.02	0.059	0					1.67
67.750	0.00	0.02	0.058	0					1.66
67.833	0.00	0.02	0.058	0					1.66
67.917	0.00	0.02	0.058	0					1.66
68.000	0.00	0.02	0.058	0					1.65
68.083	0.00	0.02	0.058	0					1.65
68.167	0.00	0.02	0.058	0					1.65
68.250	0.00	0.02	0.058	0					1.64
68.333	0.00	0.02	0.058	0					1.64
68.417	0.00	0.02	0.057	0					1.64
68.500	0.00	0.02	0.057	0					1.64
68.583	0.00	0.02	0.057	0					1.63
68.667	0.00	0.02	0.057	0					1.63

68.750	0.00	0.02	0.057	0					1.63
68.833	0.00	0.02	0.057	0					1.62
68.917	0.00	0.02	0.057	0					1.62
69.000	0.00	0.02	0.056	0					1.62
69.083	0.00	0.02	0.056	0					1.62
69.167	0.00	0.02	0.056	0					1.61
69.250	0.00	0.02	0.056	0					1.61
69.333	0.00	0.02	0.056	0					1.61
69.417	0.00	0.02	0.056	0					1.60
69.500	0.00	0.02	0.056	0					1.60
69.583	0.00	0.02	0.055	0					1.60
69.667	0.00	0.02	0.055	0					1.59
69.750	0.00	0.02	0.055	0					1.59
69.833	0.00	0.02	0.055	0					1.59
69.917	0.00	0.02	0.055	0					1.59
70.000	0.00	0.02	0.055	0					1.58
70.083	0.00	0.02	0.055	0					1.58
70.167	0.00	0.02	0.055	0					1.58
70.250	0.00	0.02	0.054	0					1.57
70.333	0.00	0.02	0.054	0					1.57
70.417	0.00	0.02	0.054	0					1.57
70.500	0.00	0.02	0.054	0					1.57
70.583	0.00	0.02	0.054	0					1.56
70.667	0.00	0.02	0.054	0					1.56
70.750	0.00	0.02	0.054	0					1.56
70.833	0.00	0.02	0.053	0					1.55
70.917	0.00	0.02	0.053	0					1.55
71.000	0.00	0.02	0.053	0					1.55
71.083	0.00	0.02	0.053	0					1.55
71.167	0.00	0.02	0.053	0					1.54
71.250	0.00	0.02	0.053	0					1.54
71.333	0.00	0.02	0.053	0					1.54
71.417	0.00	0.02	0.053	0					1.53
71.500	0.00	0.02	0.052	0					1.53
71.583	0.00	0.02	0.052	0					1.53
71.667	0.00	0.02	0.052	0					1.52
71.750	0.00	0.02	0.052	0					1.52
71.833	0.00	0.02	0.052	0					1.52
71.917	0.00	0.02	0.052	0					1.52
72.000	0.00	0.02	0.052	0					1.51
72.083	0.00	0.02	0.051	0					1.51
72.167	0.00	0.02	0.051	0					1.51
72.250	0.00	0.02	0.051	0					1.50
72.333	0.00	0.02	0.051	0					1.50
72.417	0.00	0.02	0.051	0					1.50
72.500	0.00	0.02	0.051	0					1.50
72.583	0.00	0.02	0.051	0					1.49
72.667	0.00	0.02	0.051	0					1.49
72.750	0.00	0.02	0.050	0					1.49
72.833	0.00	0.02	0.050	0					1.49

72.917	0.00	0.02	0.050	0					1.48
73.000	0.00	0.02	0.050	0					1.48
73.083	0.00	0.02	0.050	0					1.48
73.167	0.00	0.02	0.050	0					1.47
73.250	0.00	0.02	0.050	0					1.47
73.333	0.00	0.02	0.050	0					1.47
73.417	0.00	0.02	0.049	0					1.47
73.500	0.00	0.02	0.049	0					1.46
73.583	0.00	0.02	0.049	0					1.46
73.667	0.00	0.02	0.049	0					1.46
73.750	0.00	0.02	0.049	0					1.45
73.833	0.00	0.02	0.049	0					1.45
73.917	0.00	0.02	0.049	0					1.45
74.000	0.00	0.02	0.049	0					1.45
74.083	0.00	0.02	0.048	0					1.44
74.167	0.00	0.02	0.048	0					1.44
74.250	0.00	0.02	0.048	0					1.44
74.333	0.00	0.02	0.048	0					1.43
74.417	0.00	0.02	0.048	0					1.43
74.500	0.00	0.02	0.048	0					1.43
74.583	0.00	0.02	0.048	0					1.43
74.667	0.00	0.02	0.047	0					1.42
74.750	0.00	0.02	0.047	0					1.42
74.833	0.00	0.02	0.047	0					1.42
74.917	0.00	0.02	0.047	0					1.42
75.000	0.00	0.02	0.047	0					1.41
75.083	0.00	0.02	0.047	0					1.41
75.167	0.00	0.02	0.047	0					1.41
75.250	0.00	0.02	0.047	0					1.40
75.333	0.00	0.02	0.046	0					1.40
75.417	0.00	0.02	0.046	0					1.40
75.500	0.00	0.02	0.046	0					1.40
75.583	0.00	0.02	0.046	0					1.39
75.667	0.00	0.02	0.046	0					1.39
75.750	0.00	0.02	0.046	0					1.39
75.833	0.00	0.02	0.046	0					1.38
75.917	0.00	0.02	0.046	0					1.38
76.000	0.00	0.02	0.045	0					1.38
76.083	0.00	0.02	0.045	0					1.38
76.167	0.00	0.02	0.045	0					1.37
76.250	0.00	0.02	0.045	0					1.37
76.333	0.00	0.02	0.045	0					1.37
76.417	0.00	0.02	0.045	0					1.37
76.500	0.00	0.02	0.045	0					1.36
76.583	0.00	0.02	0.045	0					1.36
76.667	0.00	0.02	0.044	0					1.36
76.750	0.00	0.02	0.044	0					1.35
76.833	0.00	0.02	0.044	0					1.35
76.917	0.00	0.02	0.044	0					1.35
77.000	0.00	0.02	0.044	0					1.35

77.083	0.00	0.02	0.044	0					1.34
77.167	0.00	0.02	0.044	0					1.34
77.250	0.00	0.02	0.044	0					1.34
77.333	0.00	0.02	0.043	0					1.34
77.417	0.00	0.02	0.043	0					1.33
77.500	0.00	0.02	0.043	0					1.33
77.583	0.00	0.02	0.043	0					1.33
77.667	0.00	0.02	0.043	0					1.33
77.750	0.00	0.02	0.043	0					1.32
77.833	0.00	0.02	0.043	0					1.32
77.917	0.00	0.02	0.043	0					1.32
78.000	0.00	0.02	0.042	0					1.31
78.083	0.00	0.02	0.042	0					1.31
78.167	0.00	0.02	0.042	0					1.31
78.250	0.00	0.02	0.042	0					1.31
78.333	0.00	0.02	0.042	0					1.30
78.417	0.00	0.02	0.042	0					1.30
78.500	0.00	0.02	0.042	0					1.30
78.583	0.00	0.02	0.042	0					1.30
78.667	0.00	0.02	0.041	0					1.29
78.750	0.00	0.02	0.041	0					1.29
78.833	0.00	0.02	0.041	0					1.29
78.917	0.00	0.02	0.041	0					1.29
79.000	0.00	0.02	0.041	0					1.28
79.083	0.00	0.02	0.041	0					1.28
79.167	0.00	0.02	0.041	0					1.28
79.250	0.00	0.02	0.041	0					1.27
79.333	0.00	0.02	0.041	0					1.27
79.417	0.00	0.02	0.040	0					1.27
79.500	0.00	0.02	0.040	0					1.27
79.583	0.00	0.02	0.040	0					1.26
79.667	0.00	0.02	0.040	0					1.26
79.750	0.00	0.02	0.040	0					1.26
79.833	0.00	0.02	0.040	0					1.26
79.917	0.00	0.02	0.040	0					1.25
80.000	0.00	0.02	0.040	0					1.25
80.083	0.00	0.02	0.039	0					1.25
80.167	0.00	0.02	0.039	0					1.25
80.250	0.00	0.02	0.039	0					1.24
80.333	0.00	0.02	0.039	0					1.24
80.417	0.00	0.02	0.039	0					1.24
80.500	0.00	0.02	0.039	0					1.24
80.583	0.00	0.02	0.039	0					1.23
80.667	0.00	0.02	0.039	0					1.23
80.750	0.00	0.02	0.038	0					1.23
80.833	0.00	0.02	0.038	0					1.22
80.917	0.00	0.02	0.038	0					1.22
81.000	0.00	0.02	0.038	0					1.22
81.083	0.00	0.02	0.038	0					1.22
81.167	0.00	0.02	0.038	0					1.21

81.250	0.00	0.02	0.038	0					1.21
81.333	0.00	0.02	0.038	0					1.21
81.417	0.00	0.02	0.038	0					1.21
81.500	0.00	0.02	0.037	0					1.20
81.583	0.00	0.02	0.037	0					1.20
81.667	0.00	0.02	0.037	0					1.20
81.750	0.00	0.02	0.037	0					1.20
81.833	0.00	0.02	0.037	0					1.19
81.917	0.00	0.02	0.037	0					1.19
82.000	0.00	0.02	0.037	0					1.19
82.083	0.00	0.02	0.037	0					1.19
82.167	0.00	0.02	0.036	0					1.18
82.250	0.00	0.02	0.036	0					1.18
82.333	0.00	0.02	0.036	0					1.18
82.417	0.00	0.02	0.036	0					1.18
82.500	0.00	0.02	0.036	0					1.17
82.583	0.00	0.02	0.036	0					1.17
82.667	0.00	0.02	0.036	0					1.17
82.750	0.00	0.02	0.036	0					1.17
82.833	0.00	0.02	0.035	0					1.16
82.917	0.00	0.02	0.035	0					1.16
83.000	0.00	0.02	0.035	0					1.16
83.083	0.00	0.02	0.035	0					1.16
83.167	0.00	0.02	0.035	0					1.15
83.250	0.00	0.02	0.035	0					1.15
83.333	0.00	0.02	0.035	0					1.15
83.417	0.00	0.02	0.035	0					1.15
83.500	0.00	0.02	0.035	0					1.14
83.583	0.00	0.02	0.034	0					1.14
83.667	0.00	0.02	0.034	0					1.14
83.750	0.00	0.02	0.034	0					1.14
83.833	0.00	0.02	0.034	0					1.13
83.917	0.00	0.02	0.034	0					1.13
84.000	0.00	0.02	0.034	0					1.13
84.083	0.00	0.02	0.034	0					1.13
84.167	0.00	0.02	0.034	0					1.12
84.250	0.00	0.02	0.034	0					1.12
84.333	0.00	0.02	0.033	0					1.12
84.417	0.00	0.02	0.033	0					1.12
84.500	0.00	0.02	0.033	0					1.11
84.583	0.00	0.02	0.033	0					1.11
84.667	0.00	0.02	0.033	0					1.11
84.750	0.00	0.02	0.033	0					1.11
84.833	0.00	0.02	0.033	0					1.10
84.917	0.00	0.02	0.033	0					1.10
85.000	0.00	0.02	0.032	0					1.10
85.083	0.00	0.02	0.032	0					1.10
85.167	0.00	0.02	0.032	0					1.09
85.250	0.00	0.02	0.032	0					1.09
85.333	0.00	0.02	0.032	0					1.09

85.417	0.00	0.02	0.032	0					1.09
85.500	0.00	0.02	0.032	0					1.08
85.583	0.00	0.02	0.032	0					1.08
85.667	0.00	0.02	0.032	0					1.08
85.750	0.00	0.02	0.031	0					1.08
85.833	0.00	0.02	0.031	0					1.07
85.917	0.00	0.02	0.031	0					1.07
86.000	0.00	0.02	0.031	0					1.07
86.083	0.00	0.02	0.031	0					1.07
86.167	0.00	0.02	0.031	0					1.06
86.250	0.00	0.02	0.031	0					1.06
86.333	0.00	0.02	0.031	0					1.06
86.417	0.00	0.02	0.031	0					1.06
86.500	0.00	0.02	0.030	0					1.05
86.583	0.00	0.02	0.030	0					1.05
86.667	0.00	0.02	0.030	0					1.05
86.750	0.00	0.02	0.030	0					1.05
86.833	0.00	0.02	0.030	0					1.04
86.917	0.00	0.02	0.030	0					1.04
87.000	0.00	0.02	0.030	0					1.04
87.083	0.00	0.02	0.030	0					1.04
87.167	0.00	0.02	0.030	0					1.03
87.250	0.00	0.02	0.029	0					1.03
87.333	0.00	0.02	0.029	0					1.03
87.417	0.00	0.02	0.029	0					1.03
87.500	0.00	0.02	0.029	0					1.02
87.583	0.00	0.02	0.029	0					1.02
87.667	0.00	0.02	0.029	0					1.02
87.750	0.00	0.02	0.029	0					1.02
87.833	0.00	0.02	0.029	0					1.01
87.917	0.00	0.02	0.029	0					1.01
88.000	0.00	0.02	0.028	0					1.01
88.083	0.00	0.02	0.028	0					1.01
88.167	0.00	0.02	0.028	0					1.00
88.250	0.00	0.02	0.028	0					1.00
88.333	0.00	0.02	0.028	0					1.00
88.417	0.00	0.02	0.028	0					1.00
88.500	0.00	0.02	0.028	0					0.99
88.583	0.00	0.02	0.028	0					0.99
88.667	0.00	0.02	0.028	0					0.98
88.750	0.00	0.02	0.027	0					0.98
88.833	0.00	0.02	0.027	0					0.98
88.917	0.00	0.02	0.027	0					0.97
89.000	0.00	0.02	0.027	0					0.97
89.083	0.00	0.02	0.027	0					0.96
89.167	0.00	0.02	0.027	0					0.96
89.250	0.00	0.02	0.027	0					0.96
89.333	0.00	0.02	0.027	0					0.95
89.417	0.00	0.02	0.027	0					0.95
89.500	0.00	0.02	0.026	0					0.95

89.583	0.00	0.02	0.026	0					0.94
89.667	0.00	0.02	0.026	0					0.94
89.750	0.00	0.02	0.026	0					0.93
89.833	0.00	0.02	0.026	0					0.93
89.917	0.00	0.02	0.026	0					0.93
90.000	0.00	0.02	0.026	0					0.92
90.083	0.00	0.02	0.026	0					0.92
90.167	0.00	0.02	0.026	0					0.91
90.250	0.00	0.02	0.026	0					0.91
90.333	0.00	0.02	0.025	0					0.91
90.417	0.00	0.02	0.025	0					0.90
90.500	0.00	0.02	0.025	0					0.90
90.583	0.00	0.02	0.025	0					0.90
90.667	0.00	0.02	0.025	0					0.89
90.750	0.00	0.02	0.025	0					0.89
90.833	0.00	0.02	0.025	0					0.88
90.917	0.00	0.01	0.025	0					0.88
91.000	0.00	0.01	0.025	0					0.88
91.083	0.00	0.01	0.024	0					0.87
91.167	0.00	0.01	0.024	0					0.87
91.250	0.00	0.01	0.024	0					0.87
91.333	0.00	0.01	0.024	0					0.86
91.417	0.00	0.01	0.024	0					0.86
91.500	0.00	0.01	0.024	0					0.85
91.583	0.00	0.01	0.024	0					0.85
91.667	0.00	0.01	0.024	0					0.85
91.750	0.00	0.01	0.024	0					0.84
91.833	0.00	0.01	0.024	0					0.84
91.917	0.00	0.01	0.023	0					0.84
92.000	0.00	0.01	0.023	0					0.83
92.083	0.00	0.01	0.023	0					0.83
92.167	0.00	0.01	0.023	0					0.83
92.250	0.00	0.01	0.023	0					0.82
92.333	0.00	0.01	0.023	0					0.82
92.417	0.00	0.01	0.023	0					0.81
92.500	0.00	0.01	0.023	0					0.81
92.583	0.00	0.01	0.023	0					0.81
92.667	0.00	0.01	0.023	0					0.80
92.750	0.00	0.01	0.022	0					0.80
92.833	0.00	0.01	0.022	0					0.80
92.917	0.00	0.01	0.022	0					0.79
93.000	0.00	0.01	0.022	0					0.79
93.083	0.00	0.01	0.022	0					0.79
93.167	0.00	0.01	0.022	0					0.78
93.250	0.00	0.01	0.022	0					0.78
93.333	0.00	0.01	0.022	0					0.78
93.417	0.00	0.01	0.022	0					0.77
93.500	0.00	0.01	0.022	0					0.77
93.583	0.00	0.01	0.022	0					0.77
93.667	0.00	0.01	0.021	0					0.76

93.750	0.00	0.01	0.021	0					0.76
93.833	0.00	0.01	0.021	0					0.75
93.917	0.00	0.01	0.021	0					0.75
94.000	0.00	0.01	0.021	0					0.75
94.083	0.00	0.01	0.021	0					0.74
94.167	0.00	0.01	0.021	0					0.74
94.250	0.00	0.01	0.021	0					0.74
94.333	0.00	0.01	0.021	0					0.73
94.417	0.00	0.01	0.021	0					0.73
94.500	0.00	0.01	0.020	0					0.73
94.583	0.00	0.01	0.020	0					0.72
94.667	0.00	0.01	0.020	0					0.72
94.750	0.00	0.01	0.020	0					0.72
94.833	0.00	0.01	0.020	0					0.71
94.917	0.00	0.01	0.020	0					0.71
95.000	0.00	0.01	0.020	0					0.71
95.083	0.00	0.01	0.020	0					0.70
95.167	0.00	0.01	0.020	0					0.70
95.250	0.00	0.01	0.020	0					0.70
95.333	0.00	0.01	0.020	0					0.69
95.417	0.00	0.01	0.019	0					0.69
95.500	0.00	0.01	0.019	0					0.69
95.583	0.00	0.01	0.019	0					0.68
95.667	0.00	0.01	0.019	0					0.68
95.750	0.00	0.01	0.019	0					0.68
95.833	0.00	0.01	0.019	0					0.67
95.917	0.00	0.01	0.019	0					0.67
96.000	0.00	0.01	0.019	0					0.67
96.083	0.00	0.01	0.019	0					0.66
96.167	0.00	0.01	0.019	0					0.66
96.250	0.00	0.01	0.019	0					0.66
96.333	0.00	0.01	0.018	0					0.65
96.417	0.00	0.01	0.018	0					0.65
96.500	0.00	0.01	0.018	0					0.65
96.583	0.00	0.01	0.018	0					0.64
96.667	0.00	0.01	0.018	0					0.64
96.750	0.00	0.01	0.018	0					0.64
96.833	0.00	0.01	0.018	0					0.63
96.917	0.00	0.01	0.018	0					0.63
97.000	0.00	0.01	0.018	0					0.63
97.083	0.00	0.01	0.018	0					0.63
97.167	0.00	0.01	0.018	0					0.62
97.250	0.00	0.01	0.017	0					0.62
97.333	0.00	0.01	0.017	0					0.62
97.417	0.00	0.01	0.017	0					0.61
97.500	0.00	0.01	0.017	0					0.61
97.583	0.00	0.01	0.017	0					0.61
97.667	0.00	0.01	0.017	0					0.60
97.750	0.00	0.01	0.017	0					0.60
97.833	0.00	0.01	0.017	0					0.60

97.917	0.00	0.01	0.017	0					0.59
98.000	0.00	0.01	0.017	0					0.59
98.083	0.00	0.01	0.017	0					0.59
98.167	0.00	0.01	0.017	0					0.58
98.250	0.00	0.01	0.016	0					0.58
98.333	0.00	0.01	0.016	0					0.58
98.417	0.00	0.01	0.016	0					0.57
98.500	0.00	0.01	0.016	0					0.57
98.583	0.00	0.01	0.016	0					0.57
98.667	0.00	0.01	0.016	0					0.57
98.750	0.00	0.01	0.016	0					0.56
98.833	0.00	0.01	0.016	0					0.56
98.917	0.00	0.01	0.016	0					0.56
99.000	0.00	0.01	0.016	0					0.55
99.083	0.00	0.01	0.016	0					0.55
99.167	0.00	0.01	0.015	0					0.55
99.250	0.00	0.01	0.015	0					0.54
99.333	0.00	0.01	0.015	0					0.54
99.417	0.00	0.01	0.015	0					0.54
99.500	0.00	0.01	0.015	0					0.54
99.583	0.00	0.01	0.015	0					0.53
99.667	0.00	0.01	0.015	0					0.53
99.750	0.00	0.01	0.015	0					0.53
99.833	0.00	0.01	0.015	0					0.52
99.917	0.00	0.01	0.015	0					0.52
100.000	0.00	0.01	0.015	0					0.52
100.083	0.00	0.01	0.015	0					0.51
100.167	0.00	0.01	0.014	0					0.51
100.250	0.00	0.01	0.014	0					0.51
100.333	0.00	0.01	0.014	0					0.51
100.417	0.00	0.01	0.014	0					0.50
100.500	0.00	0.01	0.014	0					0.50
100.583	0.00	0.01	0.014	0					0.50
100.667	0.00	0.01	0.014	0					0.49
100.750	0.00	0.01	0.014	0					0.49
100.833	0.00	0.01	0.014	0					0.49
100.917	0.00	0.01	0.014	0					0.49
101.000	0.00	0.01	0.014	0					0.48
101.083	0.00	0.01	0.014	0					0.48
101.167	0.00	0.01	0.014	0					0.48
101.250	0.00	0.01	0.013	0					0.47
101.333	0.00	0.01	0.013	0					0.47
101.417	0.00	0.01	0.013	0					0.47
101.500	0.00	0.01	0.013	0					0.47
101.583	0.00	0.01	0.013	0					0.46
101.667	0.00	0.01	0.013	0					0.46
101.750	0.00	0.01	0.013	0					0.46
101.833	0.00	0.01	0.013	0					0.45
101.917	0.00	0.01	0.013	0					0.45
102.000	0.00	0.01	0.013	0					0.45

102.083	0.00	0.01	0.013	0					0.45
102.167	0.00	0.01	0.013	0					0.44
102.250	0.00	0.01	0.013	0					0.44
102.333	0.00	0.01	0.012	0					0.44
102.417	0.00	0.01	0.012	0					0.43
102.500	0.00	0.01	0.012	0					0.43
102.583	0.00	0.01	0.012	0					0.43
102.667	0.00	0.01	0.012	0					0.43
102.750	0.00	0.01	0.012	0					0.42
102.833	0.00	0.01	0.012	0					0.42
102.917	0.00	0.01	0.012	0					0.42
103.000	0.00	0.01	0.012	0					0.41
103.083	0.00	0.01	0.012	0					0.41
103.167	0.00	0.01	0.012	0					0.41
103.250	0.00	0.01	0.012	0					0.41
103.333	0.00	0.01	0.012	0					0.40
103.417	0.00	0.01	0.011	0					0.40
103.500	0.00	0.01	0.011	0					0.40
103.583	0.00	0.01	0.011	0					0.40
103.667	0.00	0.01	0.011	0					0.39
103.750	0.00	0.01	0.011	0					0.39
103.833	0.00	0.01	0.011	0					0.39
103.917	0.00	0.01	0.011	0					0.39
104.000	0.00	0.01	0.011	0					0.38
104.083	0.00	0.01	0.011	0					0.38
104.167	0.00	0.01	0.011	0					0.38
104.250	0.00	0.01	0.011	0					0.37
104.333	0.00	0.01	0.011	0					0.37
104.417	0.00	0.01	0.011	0					0.37
104.500	0.00	0.01	0.010	0					0.37
104.583	0.00	0.01	0.010	0					0.36
104.667	0.00	0.01	0.010	0					0.36
104.750	0.00	0.01	0.010	0					0.36
104.833	0.00	0.01	0.010	0					0.36
104.917	0.00	0.01	0.010	0					0.35
105.000	0.00	0.01	0.010	0					0.35
105.083	0.00	0.01	0.010	0					0.35
105.167	0.00	0.01	0.010	0					0.35
105.250	0.00	0.01	0.010	0					0.34
105.333	0.00	0.01	0.010	0					0.34
105.417	0.00	0.01	0.010	0					0.34
105.500	0.00	0.01	0.010	0					0.34
105.583	0.00	0.01	0.010	0					0.33
105.667	0.00	0.01	0.009	0					0.33
105.750	0.00	0.01	0.009	0					0.33
105.833	0.00	0.01	0.009	0					0.32
105.917	0.00	0.01	0.009	0					0.32
106.000	0.00	0.01	0.009	0					0.32
106.083	0.00	0.01	0.009	0					0.32
106.167	0.00	0.01	0.009	0					0.31

106.250	0.00	0.01	0.009	0					0.31
106.333	0.00	0.01	0.009	0					0.31
106.417	0.00	0.01	0.009	0					0.31
106.500	0.00	0.01	0.009	0					0.30
106.583	0.00	0.01	0.009	0					0.30
106.667	0.00	0.01	0.009	0					0.30
106.750	0.00	0.01	0.009	0					0.30
106.833	0.00	0.01	0.008	0					0.29
106.917	0.00	0.01	0.008	0					0.29
107.000	0.00	0.01	0.008	0					0.29
107.083	0.00	0.01	0.008	0					0.29
107.167	0.00	0.01	0.008	0					0.28
107.250	0.00	0.01	0.008	0					0.28
107.333	0.00	0.01	0.008	0					0.28
107.417	0.00	0.01	0.008	0					0.28
107.500	0.00	0.01	0.008	0					0.27
107.583	0.00	0.01	0.008	0					0.27
107.667	0.00	0.01	0.008	0					0.27
107.750	0.00	0.01	0.008	0					0.27
107.833	0.00	0.01	0.008	0					0.27
107.917	0.00	0.01	0.008	0					0.26
108.000	0.00	0.01	0.008	0					0.26
108.083	0.00	0.01	0.007	0					0.26
108.167	0.00	0.01	0.007	0					0.26
108.250	0.00	0.01	0.007	0					0.25
108.333	0.00	0.01	0.007	0					0.25
108.417	0.00	0.01	0.007	0					0.25
108.500	0.00	0.01	0.007	0					0.25
108.583	0.00	0.01	0.007	0					0.24
108.667	0.00	0.01	0.007	0					0.24
108.750	0.00	0.01	0.007	0					0.24
108.833	0.00	0.01	0.007	0					0.24
108.917	0.00	0.01	0.007	0					0.23
109.000	0.00	0.01	0.007	0					0.23
109.083	0.00	0.01	0.007	0					0.23
109.167	0.00	0.01	0.007	0					0.23
109.250	0.00	0.01	0.007	0					0.22
109.333	0.00	0.01	0.006	0					0.22
109.417	0.00	0.01	0.006	0					0.22
109.500	0.00	0.01	0.006	0					0.22
109.583	0.00	0.01	0.006	0					0.22
109.667	0.00	0.01	0.006	0					0.21
109.750	0.00	0.01	0.006	0					0.21
109.833	0.00	0.01	0.006	0					0.21
109.917	0.00	0.01	0.006	0					0.21
110.000	0.00	0.01	0.006	0					0.20
110.083	0.00	0.01	0.006	0					0.20
110.167	0.00	0.01	0.006	0					0.20
110.250	0.00	0.01	0.006	0					0.20
110.333	0.00	0.01	0.006	0					0.19

110.417	0.00	0.01	0.006	0					0.19
110.500	0.00	0.01	0.006	0					0.19
110.583	0.00	0.01	0.006	0					0.19
110.667	0.00	0.01	0.005	0					0.19
110.750	0.00	0.01	0.005	0					0.18
110.833	0.00	0.01	0.005	0					0.18
110.917	0.00	0.01	0.005	0					0.18
111.000	0.00	0.01	0.005	0					0.18
111.083	0.00	0.01	0.005	0					0.17
111.167	0.00	0.01	0.005	0					0.17
111.250	0.00	0.01	0.005	0					0.17
111.333	0.00	0.01	0.005	0					0.17
111.417	0.00	0.01	0.005	0					0.17
111.500	0.00	0.01	0.005	0					0.16
111.583	0.00	0.01	0.005	0					0.16
111.667	0.00	0.01	0.005	0					0.16
111.750	0.00	0.01	0.005	0					0.16
111.833	0.00	0.01	0.005	0					0.15
111.917	0.00	0.01	0.005	0					0.15
112.000	0.00	0.01	0.004	0					0.15
112.083	0.00	0.01	0.004	0					0.15
112.167	0.00	0.01	0.004	0					0.15
112.250	0.00	0.01	0.004	0					0.14
112.333	0.00	0.01	0.004	0					0.14
112.417	0.00	0.01	0.004	0					0.14
112.500	0.00	0.01	0.004	0					0.14
112.583	0.00	0.01	0.004	0					0.13
112.667	0.00	0.01	0.004	0					0.13
112.750	0.00	0.01	0.004	0					0.13
112.833	0.00	0.01	0.004	0					0.13
112.917	0.00	0.01	0.004	0					0.13
113.000	0.00	0.01	0.004	0					0.12
113.083	0.00	0.01	0.004	0					0.12
113.167	0.00	0.01	0.004	0					0.12
113.250	0.00	0.01	0.004	0					0.12
113.333	0.00	0.01	0.004	0					0.12
113.417	0.00	0.01	0.003	0					0.11
113.500	0.00	0.01	0.003	0					0.11
113.583	0.00	0.01	0.003	0					0.11
113.667	0.00	0.01	0.003	0					0.11
113.750	0.00	0.01	0.003	0					0.11
113.833	0.00	0.01	0.003	0					0.10
113.917	0.00	0.01	0.003	0					0.10
114.000	0.00	0.01	0.003	0					0.10
114.083	0.00	0.01	0.003	0					0.10
114.167	0.00	0.01	0.003	0					0.09
114.250	0.00	0.01	0.003	0					0.09
114.333	0.00	0.01	0.003	0					0.09
114.417	0.00	0.01	0.003	0					0.09
114.500	0.00	0.01	0.003	0					0.09

114.583	0.00	0.01	0.003	0					0.08
114.667	0.00	0.01	0.003	0					0.08
114.750	0.00	0.01	0.003	0					0.08
114.833	0.00	0.01	0.003	0					0.08
114.917	0.00	0.01	0.002	0					0.08
115.000	0.00	0.01	0.002	0					0.07
115.083	0.00	0.01	0.002	0					0.07
115.167	0.00	0.01	0.002	0					0.07
115.250	0.00	0.01	0.002	0					0.07
115.333	0.00	0.01	0.002	0					0.07
115.417	0.00	0.01	0.002	0					0.06
115.500	0.00	0.01	0.002	0					0.06
115.583	0.00	0.01	0.002	0					0.06
115.667	0.00	0.01	0.002	0					0.06
115.750	0.00	0.01	0.002	0					0.06
115.833	0.00	0.01	0.002	0					0.06
115.917	0.00	0.01	0.002	0					0.05
116.000	0.00	0.01	0.002	0					0.05
116.083	0.00	0.01	0.002	0					0.05
116.167	0.00	0.01	0.002	0					0.05
116.250	0.00	0.01	0.002	0					0.05
116.333	0.00	0.01	0.002	0					0.05
116.417	0.00	0.01	0.002	0					0.05
116.500	0.00	0.01	0.001	0					0.04
116.583	0.00	0.01	0.001	0					0.04
116.667	0.00	0.01	0.001	0					0.04
116.750	0.00	0.01	0.001	0					0.04
116.833	0.00	0.01	0.001	0					0.04
116.917	0.00	0.01	0.001	0					0.04
117.000	0.00	0.01	0.001	0					0.04
117.083	0.00	0.00	0.001	0					0.04
117.167	0.00	0.00	0.001	0					0.04
117.250	0.00	0.00	0.001	0					0.03
117.333	0.00	0.00	0.001	0					0.03
117.417	0.00	0.00	0.001	0					0.03
117.500	0.00	0.00	0.001	0					0.03
117.583	0.00	0.00	0.001	0					0.03
117.667	0.00	0.00	0.001	0					0.03
117.750	0.00	0.00	0.001	0					0.03
117.833	0.00	0.00	0.001	0					0.03
117.917	0.00	0.00	0.001	0					0.03
118.000	0.00	0.00	0.001	0					0.03
118.083	0.00	0.00	0.001	0					0.03
118.167	0.00	0.00	0.001	0					0.03
118.250	0.00	0.00	0.001	0					0.02
118.333	0.00	0.00	0.001	0					0.02
118.417	0.00	0.00	0.001	0					0.02
118.500	0.00	0.00	0.001	0					0.02
118.583	0.00	0.00	0.001	0					0.02
118.667	0.00	0.00	0.001	0					0.02

118.750	0.00	0.00	0.001	0					0.02
118.833	0.00	0.00	0.001	0					0.02
118.917	0.00	0.00	0.001	0					0.02
119.000	0.00	0.00	0.001	0					0.02
119.083	0.00	0.00	0.001	0					0.02
119.167	0.00	0.00	0.001	0					0.02
119.250	0.00	0.00	0.001	0					0.02
119.333	0.00	0.00	0.001	0					0.02
119.417	0.00	0.00	0.001	0					0.02
119.500	0.00	0.00	0.001	0					0.02
119.583	0.00	0.00	0.001	0					0.02
119.667	0.00	0.00	0.001	0					0.02
119.750	0.00	0.00	0.001	0					0.02
119.833	0.00	0.00	0.000	0					0.01
119.917	0.00	0.00	0.000	0					0.01
120.000	0.00	0.00	0.000	0					0.01
120.083	0.00	0.00	0.000	0					0.01
120.167	0.00	0.00	0.000	0					0.01
120.250	0.00	0.00	0.000	0					0.01
120.333	0.00	0.00	0.000	0					0.01
120.417	0.00	0.00	0.000	0					0.01
120.500	0.00	0.00	0.000	0					0.01
120.583	0.00	0.00	0.000	0					0.01
120.667	0.00	0.00	0.000	0					0.01
120.750	0.00	0.00	0.000	0					0.01
120.833	0.00	0.00	0.000	0					0.01
120.917	0.00	0.00	0.000	0					0.01
121.000	0.00	0.00	0.000	0					0.01
121.083	0.00	0.00	0.000	0					0.01
121.167	0.00	0.00	0.000	0					0.01
121.250	0.00	0.00	0.000	0					0.01
121.333	0.00	0.00	0.000	0					0.01
121.417	0.00	0.00	0.000	0					0.01
121.500	0.00	0.00	0.000	0					0.01
121.583	0.00	0.00	0.000	0					0.01
121.667	0.00	0.00	0.000	0					0.01
121.750	0.00	0.00	0.000	0					0.01
121.833	0.00	0.00	0.000	0					0.01
121.917	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1463

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.655 (CFS)

Total volume = 0.390 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
100 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da16100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.934 (CFS)
Total volume = 0.231 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.97	1.45	1.93	Depth (Ft.)
0.083	0.09	0.00	0.000	O I					0.01
0.167	0.15	0.00	0.001	O I					0.03
0.250	0.17	0.01	0.002	O I					0.07
0.333	0.17	0.01	0.003	O I					0.11
0.417	0.17	0.01	0.004	O I					0.15
0.500	0.19	0.01	0.006	O I					0.19
0.583	0.20	0.01	0.007	O I					0.24
0.667	0.20	0.01	0.008	O I					0.28
0.750	0.20	0.01	0.009	O I					0.33
0.833	0.20	0.01	0.011	O I					0.38
0.917	0.20	0.01	0.012	O I					0.43
1.000	0.23	0.01	0.014	O I					0.48
1.083	0.24	0.01	0.015	O I					0.53
1.167	0.24	0.01	0.017	O I					0.59
1.250	0.24	0.01	0.018	O I					0.64
1.333	0.24	0.01	0.020	O I					0.70
1.417	0.24	0.01	0.021	O I					0.76
1.500	0.24	0.01	0.023	O I					0.81
1.583	0.24	0.01	0.024	O I					0.87
1.667	0.24	0.02	0.026	O I					0.93
1.750	0.24	0.02	0.027	O I					0.98
1.833	0.24	0.02	0.029	O I					1.02
1.917	0.24	0.02	0.031	O I					1.06
2.000	0.26	0.02	0.032	O I					1.09

2.083	0.25	0.02	0.034	0	I							1.13
2.167	0.27	0.02	0.036	0	I							1.16
2.250	0.28	0.02	0.037	0	I							1.20
2.333	0.28	0.02	0.039	0	I							1.24
2.417	0.28	0.02	0.041	0	I							1.28
2.500	0.28	0.02	0.043	0	I							1.32
2.583	0.28	0.02	0.044	0	I							1.36
2.667	0.28	0.02	0.046	0	I							1.40
2.750	0.30	0.02	0.048	0	I							1.44
2.833	0.31	0.02	0.050	0	I							1.48
2.917	0.32	0.02	0.052	0	I							1.53
3.000	0.32	0.02	0.054	0	I							1.57
3.083	0.32	0.02	0.056	0	I							1.61
3.167	0.34	0.02	0.058	0	I							1.66
3.250	0.35	0.02	0.061	0	I							1.71
3.333	0.35	0.02	0.063	0	I							1.76
3.417	0.38	0.02	0.065	0	I							1.81
3.500	0.41	0.02	0.068	0	I							1.87
3.583	0.45	0.02	0.071	0	I							1.93
3.667	0.47	0.02	0.074	0	I							1.99
3.750	0.49	0.02	0.077	0	I							2.06
3.833	0.51	0.02	0.080	0	I							2.12
3.917	0.53	0.02	0.084	0	I							2.19
4.000	0.54	0.02	0.087	0	I							2.26
4.083	0.57	0.02	0.091	0		I						2.33
4.167	0.61	0.02	0.095	0		I						2.41
4.250	0.64	0.02	0.099	0		I						2.49
4.333	0.68	0.02	0.103	0		I						2.58
4.417	0.72	0.02	0.108	0		I						2.67
4.500	0.73	0.02	0.113	0		I						2.77
4.583	0.76	0.04	0.118	0		I						2.86
4.667	0.80	0.05	0.123	0		I						2.96
4.750	0.83	0.05	0.128	0		I						3.07
4.833	0.85	0.06	0.134	0		I						3.19
4.917	0.87	0.06	0.139	0		I						3.32
5.000	0.91	0.06	0.145	0		I						3.44
5.083	1.04	0.07	0.151	0			I					3.58
5.167	1.23	0.07	0.159	0				I				3.75
5.250	1.37	0.08	0.167	0				I				3.93
5.333	1.49	0.24	0.176		0				I			4.14
5.417	1.65	0.50	0.184			0				I		4.38
5.500	1.93	0.80	0.192				0				I	4.69
5.583	1.18	0.99	0.196					0	I			4.92
5.667	0.48	0.95	0.195		I		0					4.87
5.750	0.23	0.80	0.192		I		0					4.69
5.833	0.16	0.65	0.188		I		0					4.51
5.917	0.11	0.54	0.185		I		0					4.41
6.000	0.07	0.44	0.182		I		0					4.32
6.083	0.02	0.36	0.180	I		0						4.25
6.167	0.00	0.30	0.178	I		0						4.19

6.250	0.00	0.24	0.176	I 0					4.15
6.333	0.00	0.20	0.174	I 0					4.11
6.417	0.00	0.16	0.173	I 0					4.08
6.500	0.00	0.14	0.172	I 0					4.05
6.583	0.00	0.11	0.171	IO					4.03
6.667	0.00	0.09	0.170	IO					4.01
6.750	0.00	0.08	0.170	IO					4.00
6.833	0.00	0.08	0.169	IO					3.98
6.917	0.00	0.08	0.169	IO					3.97
7.000	0.00	0.08	0.168	IO					3.96
7.083	0.00	0.08	0.168	IO					3.95
7.167	0.00	0.08	0.167	IO					3.94
7.250	0.00	0.08	0.167	IO					3.92
7.333	0.00	0.08	0.166	IO					3.91
7.417	0.00	0.08	0.166	IO					3.90
7.500	0.00	0.08	0.165	IO					3.89
7.583	0.00	0.08	0.164	IO					3.88
7.667	0.00	0.08	0.164	IO					3.87
7.750	0.00	0.08	0.163	IO					3.85
7.833	0.00	0.08	0.163	IO					3.84
7.917	0.00	0.08	0.162	IO					3.83
8.000	0.00	0.07	0.162	IO					3.82
8.083	0.00	0.07	0.161	IO					3.81
8.167	0.00	0.07	0.161	IO					3.80
8.250	0.00	0.07	0.160	IO					3.78
8.333	0.00	0.07	0.160	IO					3.77
8.417	0.00	0.07	0.159	IO					3.76
8.500	0.00	0.07	0.159	IO					3.75
8.583	0.00	0.07	0.158	IO					3.74
8.667	0.00	0.07	0.158	IO					3.73
8.750	0.00	0.07	0.157	IO					3.72
8.833	0.00	0.07	0.157	IO					3.71
8.917	0.00	0.07	0.156	IO					3.70
9.000	0.00	0.07	0.156	IO					3.69
9.083	0.00	0.07	0.155	IO					3.67
9.167	0.00	0.07	0.155	IO					3.66
9.250	0.00	0.07	0.154	IO					3.65
9.333	0.00	0.07	0.154	IO					3.64
9.417	0.00	0.07	0.153	IO					3.63
9.500	0.00	0.07	0.153	IO					3.62
9.583	0.00	0.07	0.152	IO					3.61
9.667	0.00	0.07	0.152	IO					3.60
9.750	0.00	0.07	0.152	IO					3.59
9.833	0.00	0.07	0.151	IO					3.58
9.917	0.00	0.07	0.151	IO					3.57
10.000	0.00	0.07	0.150	IO					3.56
10.083	0.00	0.07	0.150	IO					3.55
10.167	0.00	0.07	0.149	IO					3.54
10.250	0.00	0.07	0.149	IO					3.53
10.333	0.00	0.07	0.148	IO					3.52

10.417	0.00	0.07	0.148	IO					3.51
10.500	0.00	0.07	0.147	IO					3.50
10.583	0.00	0.07	0.147	IO					3.49
10.667	0.00	0.06	0.146	IO					3.48
10.750	0.00	0.06	0.146	IO					3.47
10.833	0.00	0.06	0.146	IO					3.46
10.917	0.00	0.06	0.145	IO					3.45
11.000	0.00	0.06	0.145	IO					3.44
11.083	0.00	0.06	0.144	IO					3.43
11.167	0.00	0.06	0.144	IO					3.42
11.250	0.00	0.06	0.143	IO					3.41
11.333	0.00	0.06	0.143	IO					3.40
11.417	0.00	0.06	0.143	IO					3.39
11.500	0.00	0.06	0.142	IO					3.38
11.583	0.00	0.06	0.142	IO					3.37
11.667	0.00	0.06	0.141	IO					3.36
11.750	0.00	0.06	0.141	IO					3.35
11.833	0.00	0.06	0.140	IO					3.34
11.917	0.00	0.06	0.140	IO					3.33
12.000	0.00	0.06	0.140	O					3.32
12.083	0.00	0.06	0.139	O					3.32
12.167	0.00	0.06	0.139	O					3.31
12.250	0.00	0.06	0.138	O					3.30
12.333	0.00	0.06	0.138	O					3.29
12.417	0.00	0.06	0.138	O					3.28
12.500	0.00	0.06	0.137	O					3.27
12.583	0.00	0.06	0.137	O					3.26
12.667	0.00	0.06	0.136	O					3.25
12.750	0.00	0.06	0.136	O					3.24
12.833	0.00	0.06	0.136	O					3.23
12.917	0.00	0.06	0.135	O					3.23
13.000	0.00	0.06	0.135	O					3.22
13.083	0.00	0.06	0.134	O					3.21
13.167	0.00	0.06	0.134	O					3.20
13.250	0.00	0.06	0.134	O					3.19
13.333	0.00	0.06	0.133	O					3.18
13.417	0.00	0.06	0.133	O					3.17
13.500	0.00	0.06	0.132	O					3.16
13.583	0.00	0.06	0.132	O					3.16
13.667	0.00	0.06	0.132	O					3.15
13.750	0.00	0.06	0.131	O					3.14
13.833	0.00	0.05	0.131	O					3.13
13.917	0.00	0.05	0.131	O					3.12
14.000	0.00	0.05	0.130	O					3.11
14.083	0.00	0.05	0.130	O					3.11
14.167	0.00	0.05	0.129	O					3.10
14.250	0.00	0.05	0.129	O					3.09
14.333	0.00	0.05	0.129	O					3.08
14.417	0.00	0.05	0.128	O					3.07
14.500	0.00	0.05	0.128	O					3.06

14.583	0.00	0.05	0.128	0					3.06
14.667	0.00	0.05	0.127	0					3.05
14.750	0.00	0.05	0.127	0					3.04
14.833	0.00	0.05	0.126	0					3.03
14.917	0.00	0.05	0.126	0					3.02
15.000	0.00	0.05	0.126	0					3.02
15.083	0.00	0.05	0.125	0					3.01
15.167	0.00	0.05	0.125	0					3.00
15.250	0.00	0.05	0.125	0					2.99
15.333	0.00	0.05	0.124	0					2.99
15.417	0.00	0.05	0.124	0					2.98
15.500	0.00	0.05	0.124	0					2.97
15.583	0.00	0.05	0.123	0					2.97
15.667	0.00	0.05	0.123	0					2.96
15.750	0.00	0.05	0.123	0					2.95
15.833	0.00	0.05	0.122	0					2.95
15.917	0.00	0.05	0.122	0					2.94
16.000	0.00	0.05	0.122	0					2.93
16.083	0.00	0.04	0.121	0					2.93
16.167	0.00	0.04	0.121	0					2.92
16.250	0.00	0.04	0.121	0					2.92
16.333	0.00	0.04	0.121	0					2.91
16.417	0.00	0.04	0.120	0					2.90
16.500	0.00	0.04	0.120	0					2.90
16.583	0.00	0.04	0.120	0					2.89
16.667	0.00	0.04	0.119	0					2.89
16.750	0.00	0.04	0.119	0					2.88
16.833	0.00	0.04	0.119	0					2.88
16.917	0.00	0.04	0.119	0					2.87
17.000	0.00	0.04	0.118	0					2.86
17.083	0.00	0.04	0.118	0					2.86
17.167	0.00	0.04	0.118	0					2.85
17.250	0.00	0.04	0.117	0					2.85
17.333	0.00	0.04	0.117	0					2.84
17.417	0.00	0.04	0.117	0					2.84
17.500	0.00	0.04	0.117	0					2.83
17.583	0.00	0.04	0.116	0					2.83
17.667	0.00	0.04	0.116	0					2.82
17.750	0.00	0.04	0.116	0					2.82
17.833	0.00	0.04	0.116	0					2.81
17.917	0.00	0.03	0.115	0					2.81
18.000	0.00	0.03	0.115	0					2.80
18.083	0.00	0.03	0.115	0					2.80
18.167	0.00	0.03	0.115	0					2.80
18.250	0.00	0.03	0.115	0					2.79
18.333	0.00	0.03	0.114	0					2.79
18.417	0.00	0.03	0.114	0					2.78
18.500	0.00	0.03	0.114	0					2.78
18.583	0.00	0.03	0.114	0					2.78
18.667	0.00	0.03	0.114	0					2.78

18.750	0.00	0.02	0.113	0					2.77
18.833	0.00	0.02	0.113	0					2.77
18.917	0.00	0.02	0.113	0					2.77
19.000	0.00	0.02	0.113	0					2.76
19.083	0.00	0.02	0.113	0					2.76
19.167	0.00	0.02	0.113	0					2.76
19.250	0.00	0.02	0.112	0					2.76
19.333	0.00	0.02	0.112	0					2.76
19.417	0.00	0.02	0.112	0					2.75
19.500	0.00	0.02	0.112	0					2.75
19.583	0.00	0.02	0.112	0					2.75
19.667	0.00	0.02	0.112	0					2.75
19.750	0.00	0.02	0.112	0					2.75
19.833	0.00	0.02	0.112	0					2.74
19.917	0.00	0.02	0.112	0					2.74
20.000	0.00	0.02	0.111	0					2.74
20.083	0.00	0.02	0.111	0					2.74
20.167	0.00	0.02	0.111	0					2.73
20.250	0.00	0.02	0.111	0					2.73
20.333	0.00	0.02	0.111	0					2.73
20.417	0.00	0.02	0.111	0					2.73
20.500	0.00	0.02	0.111	0					2.73
20.583	0.00	0.02	0.111	0					2.72
20.667	0.00	0.02	0.111	0					2.72
20.750	0.00	0.02	0.110	0					2.72
20.833	0.00	0.02	0.110	0					2.72
20.917	0.00	0.02	0.110	0					2.71
21.000	0.00	0.02	0.110	0					2.71
21.083	0.00	0.02	0.110	0					2.71
21.167	0.00	0.02	0.110	0					2.71
21.250	0.00	0.02	0.110	0					2.71
21.333	0.00	0.02	0.110	0					2.70
21.417	0.00	0.02	0.110	0					2.70
21.500	0.00	0.02	0.109	0					2.70
21.583	0.00	0.02	0.109	0					2.70
21.667	0.00	0.02	0.109	0					2.69
21.750	0.00	0.02	0.109	0					2.69
21.833	0.00	0.02	0.109	0					2.69
21.917	0.00	0.02	0.109	0					2.69
22.000	0.00	0.02	0.109	0					2.69
22.083	0.00	0.02	0.109	0					2.68
22.167	0.00	0.02	0.109	0					2.68
22.250	0.00	0.02	0.108	0					2.68
22.333	0.00	0.02	0.108	0					2.68
22.417	0.00	0.02	0.108	0					2.67
22.500	0.00	0.02	0.108	0					2.67
22.583	0.00	0.02	0.108	0					2.67
22.667	0.00	0.02	0.108	0					2.67
22.750	0.00	0.02	0.108	0					2.67
22.833	0.00	0.02	0.108	0					2.66

22.917	0.00	0.02	0.107	0					2.66
23.000	0.00	0.02	0.107	0					2.66
23.083	0.00	0.02	0.107	0					2.66
23.167	0.00	0.02	0.107	0					2.65
23.250	0.00	0.02	0.107	0					2.65
23.333	0.00	0.02	0.107	0					2.65
23.417	0.00	0.02	0.107	0					2.65
23.500	0.00	0.02	0.107	0					2.65
23.583	0.00	0.02	0.107	0					2.64
23.667	0.00	0.02	0.106	0					2.64
23.750	0.00	0.02	0.106	0					2.64
23.833	0.00	0.02	0.106	0					2.64
23.917	0.00	0.02	0.106	0					2.63
24.000	0.00	0.02	0.106	0					2.63
24.083	0.00	0.02	0.106	0					2.63
24.167	0.00	0.02	0.106	0					2.63
24.250	0.00	0.02	0.106	0					2.62
24.333	0.00	0.02	0.106	0					2.62
24.417	0.00	0.02	0.105	0					2.62
24.500	0.00	0.02	0.105	0					2.62
24.583	0.00	0.02	0.105	0					2.62
24.667	0.00	0.02	0.105	0					2.61
24.750	0.00	0.02	0.105	0					2.61
24.833	0.00	0.02	0.105	0					2.61
24.917	0.00	0.02	0.105	0					2.61
25.000	0.00	0.02	0.105	0					2.60
25.083	0.00	0.02	0.104	0					2.60
25.167	0.00	0.02	0.104	0					2.60
25.250	0.00	0.02	0.104	0					2.60
25.333	0.00	0.02	0.104	0					2.59
25.417	0.00	0.02	0.104	0					2.59
25.500	0.00	0.02	0.104	0					2.59
25.583	0.00	0.02	0.104	0					2.59
25.667	0.00	0.02	0.104	0					2.58
25.750	0.00	0.02	0.104	0					2.58
25.833	0.00	0.02	0.103	0					2.58
25.917	0.00	0.02	0.103	0					2.58
26.000	0.00	0.02	0.103	0					2.58
26.083	0.00	0.02	0.103	0					2.57
26.167	0.00	0.02	0.103	0					2.57
26.250	0.00	0.02	0.103	0					2.57
26.333	0.00	0.02	0.103	0					2.57
26.417	0.00	0.02	0.103	0					2.56
26.500	0.00	0.02	0.102	0					2.56
26.583	0.00	0.02	0.102	0					2.56
26.667	0.00	0.02	0.102	0					2.56
26.750	0.00	0.02	0.102	0					2.55
26.833	0.00	0.02	0.102	0					2.55
26.917	0.00	0.02	0.102	0					2.55
27.000	0.00	0.02	0.102	0					2.55

27.083	0.00	0.02	0.102	0					2.54
27.167	0.00	0.02	0.101	0					2.54
27.250	0.00	0.02	0.101	0					2.54
27.333	0.00	0.02	0.101	0					2.54
27.417	0.00	0.02	0.101	0					2.53
27.500	0.00	0.02	0.101	0					2.53
27.583	0.00	0.02	0.101	0					2.53
27.667	0.00	0.02	0.101	0					2.53
27.750	0.00	0.02	0.101	0					2.53
27.833	0.00	0.02	0.100	0					2.52
27.917	0.00	0.02	0.100	0					2.52
28.000	0.00	0.02	0.100	0					2.52
28.083	0.00	0.02	0.100	0					2.52
28.167	0.00	0.02	0.100	0					2.51
28.250	0.00	0.02	0.100	0					2.51
28.333	0.00	0.02	0.100	0					2.51
28.417	0.00	0.02	0.100	0					2.51
28.500	0.00	0.02	0.099	0					2.50
28.583	0.00	0.02	0.099	0					2.50
28.667	0.00	0.02	0.099	0					2.50
28.750	0.00	0.02	0.099	0					2.50
28.833	0.00	0.02	0.099	0					2.49
28.917	0.00	0.02	0.099	0					2.49
29.000	0.00	0.02	0.099	0					2.49
29.083	0.00	0.02	0.099	0					2.49
29.167	0.00	0.02	0.099	0					2.48
29.250	0.00	0.02	0.098	0					2.48
29.333	0.00	0.02	0.098	0					2.48
29.417	0.00	0.02	0.098	0					2.48
29.500	0.00	0.02	0.098	0					2.47
29.583	0.00	0.02	0.098	0					2.47
29.667	0.00	0.02	0.098	0					2.47
29.750	0.00	0.02	0.098	0					2.47
29.833	0.00	0.02	0.098	0					2.46
29.917	0.00	0.02	0.097	0					2.46
30.000	0.00	0.02	0.097	0					2.46
30.083	0.00	0.02	0.097	0					2.46
30.167	0.00	0.02	0.097	0					2.45
30.250	0.00	0.02	0.097	0					2.45
30.333	0.00	0.02	0.097	0					2.45
30.417	0.00	0.02	0.097	0					2.45
30.500	0.00	0.02	0.096	0					2.44
30.583	0.00	0.02	0.096	0					2.44
30.667	0.00	0.02	0.096	0					2.44
30.750	0.00	0.02	0.096	0					2.44
30.833	0.00	0.02	0.096	0					2.43
30.917	0.00	0.02	0.096	0					2.43
31.000	0.00	0.02	0.096	0					2.43
31.083	0.00	0.02	0.096	0					2.43
31.167	0.00	0.02	0.095	0					2.42

31.250	0.00	0.02	0.095	0					2.42
31.333	0.00	0.02	0.095	0					2.42
31.417	0.00	0.02	0.095	0					2.42
31.500	0.00	0.02	0.095	0					2.41
31.583	0.00	0.02	0.095	0					2.41
31.667	0.00	0.02	0.095	0					2.41
31.750	0.00	0.02	0.095	0					2.41
31.833	0.00	0.02	0.094	0					2.40
31.917	0.00	0.02	0.094	0					2.40
32.000	0.00	0.02	0.094	0					2.40
32.083	0.00	0.02	0.094	0					2.40
32.167	0.00	0.02	0.094	0					2.39
32.250	0.00	0.02	0.094	0					2.39
32.333	0.00	0.02	0.094	0					2.39
32.417	0.00	0.02	0.094	0					2.39
32.500	0.00	0.02	0.093	0					2.38
32.583	0.00	0.02	0.093	0					2.38
32.667	0.00	0.02	0.093	0					2.38
32.750	0.00	0.02	0.093	0					2.38
32.833	0.00	0.02	0.093	0					2.37
32.917	0.00	0.02	0.093	0					2.37
33.000	0.00	0.02	0.093	0					2.37
33.083	0.00	0.02	0.092	0					2.36
33.167	0.00	0.02	0.092	0					2.36
33.250	0.00	0.02	0.092	0					2.36
33.333	0.00	0.02	0.092	0					2.36
33.417	0.00	0.02	0.092	0					2.35
33.500	0.00	0.02	0.092	0					2.35
33.583	0.00	0.02	0.092	0					2.35
33.667	0.00	0.02	0.092	0					2.35
33.750	0.00	0.02	0.091	0					2.34
33.833	0.00	0.02	0.091	0					2.34
33.917	0.00	0.02	0.091	0					2.34
34.000	0.00	0.02	0.091	0					2.34
34.083	0.00	0.02	0.091	0					2.33
34.167	0.00	0.02	0.091	0					2.33
34.250	0.00	0.02	0.091	0					2.33
34.333	0.00	0.02	0.090	0					2.33
34.417	0.00	0.02	0.090	0					2.32
34.500	0.00	0.02	0.090	0					2.32
34.583	0.00	0.02	0.090	0					2.32
34.667	0.00	0.02	0.090	0					2.31
34.750	0.00	0.02	0.090	0					2.31
34.833	0.00	0.02	0.090	0					2.31
34.917	0.00	0.02	0.090	0					2.31
35.000	0.00	0.02	0.089	0					2.30
35.083	0.00	0.02	0.089	0					2.30
35.167	0.00	0.02	0.089	0					2.30
35.250	0.00	0.02	0.089	0					2.30
35.333	0.00	0.02	0.089	0					2.29

35.417	0.00	0.02	0.089	0					2.29
35.500	0.00	0.02	0.089	0					2.29
35.583	0.00	0.02	0.088	0					2.29
35.667	0.00	0.02	0.088	0					2.28
35.750	0.00	0.02	0.088	0					2.28
35.833	0.00	0.02	0.088	0					2.28
35.917	0.00	0.02	0.088	0					2.27
36.000	0.00	0.02	0.088	0					2.27
36.083	0.00	0.02	0.088	0					2.27
36.167	0.00	0.02	0.088	0					2.27
36.250	0.00	0.02	0.087	0					2.26
36.333	0.00	0.02	0.087	0					2.26
36.417	0.00	0.02	0.087	0					2.26
36.500	0.00	0.02	0.087	0					2.26
36.583	0.00	0.02	0.087	0					2.25
36.667	0.00	0.02	0.087	0					2.25
36.750	0.00	0.02	0.087	0					2.25
36.833	0.00	0.02	0.086	0					2.25
36.917	0.00	0.02	0.086	0					2.24
37.000	0.00	0.02	0.086	0					2.24
37.083	0.00	0.02	0.086	0					2.24
37.167	0.00	0.02	0.086	0					2.23
37.250	0.00	0.02	0.086	0					2.23
37.333	0.00	0.02	0.086	0					2.23
37.417	0.00	0.02	0.085	0					2.23
37.500	0.00	0.02	0.085	0					2.22
37.583	0.00	0.02	0.085	0					2.22
37.667	0.00	0.02	0.085	0					2.22
37.750	0.00	0.02	0.085	0					2.22
37.833	0.00	0.02	0.085	0					2.21
37.917	0.00	0.02	0.085	0					2.21
38.000	0.00	0.02	0.084	0					2.21
38.083	0.00	0.02	0.084	0					2.20
38.167	0.00	0.02	0.084	0					2.20
38.250	0.00	0.02	0.084	0					2.20
38.333	0.00	0.02	0.084	0					2.20
38.417	0.00	0.02	0.084	0					2.19
38.500	0.00	0.02	0.084	0					2.19
38.583	0.00	0.02	0.083	0					2.19
38.667	0.00	0.02	0.083	0					2.18
38.750	0.00	0.02	0.083	0					2.18
38.833	0.00	0.02	0.083	0					2.18
38.917	0.00	0.02	0.083	0					2.18
39.000	0.00	0.02	0.083	0					2.17
39.083	0.00	0.02	0.083	0					2.17
39.167	0.00	0.02	0.082	0					2.17
39.250	0.00	0.02	0.082	0					2.16
39.333	0.00	0.02	0.082	0					2.16
39.417	0.00	0.02	0.082	0					2.16
39.500	0.00	0.02	0.082	0					2.16

39.583	0.00	0.02	0.082	0					2.15
39.667	0.00	0.02	0.082	0					2.15
39.750	0.00	0.02	0.081	0					2.15
39.833	0.00	0.02	0.081	0					2.15
39.917	0.00	0.02	0.081	0					2.14
40.000	0.00	0.02	0.081	0					2.14
40.083	0.00	0.02	0.081	0					2.14
40.167	0.00	0.02	0.081	0					2.13
40.250	0.00	0.02	0.081	0					2.13
40.333	0.00	0.02	0.080	0					2.13
40.417	0.00	0.02	0.080	0					2.13
40.500	0.00	0.02	0.080	0					2.12
40.583	0.00	0.02	0.080	0					2.12
40.667	0.00	0.02	0.080	0					2.12
40.750	0.00	0.02	0.080	0					2.11
40.833	0.00	0.02	0.080	0					2.11
40.917	0.00	0.02	0.079	0					2.11
41.000	0.00	0.02	0.079	0					2.11
41.083	0.00	0.02	0.079	0					2.10
41.167	0.00	0.02	0.079	0					2.10
41.250	0.00	0.02	0.079	0					2.10
41.333	0.00	0.02	0.079	0					2.09
41.417	0.00	0.02	0.079	0					2.09
41.500	0.00	0.02	0.078	0					2.09
41.583	0.00	0.02	0.078	0					2.08
41.667	0.00	0.02	0.078	0					2.08
41.750	0.00	0.02	0.078	0					2.08
41.833	0.00	0.02	0.078	0					2.08
41.917	0.00	0.02	0.078	0					2.07
42.000	0.00	0.02	0.078	0					2.07
42.083	0.00	0.02	0.077	0					2.07
42.167	0.00	0.02	0.077	0					2.06
42.250	0.00	0.02	0.077	0					2.06
42.333	0.00	0.02	0.077	0					2.06
42.417	0.00	0.02	0.077	0					2.06
42.500	0.00	0.02	0.077	0					2.05
42.583	0.00	0.02	0.077	0					2.05
42.667	0.00	0.02	0.076	0					2.05
42.750	0.00	0.02	0.076	0					2.04
42.833	0.00	0.02	0.076	0					2.04
42.917	0.00	0.02	0.076	0					2.04
43.000	0.00	0.02	0.076	0					2.04
43.083	0.00	0.02	0.076	0					2.03
43.167	0.00	0.02	0.075	0					2.03
43.250	0.00	0.02	0.075	0					2.03
43.333	0.00	0.02	0.075	0					2.02
43.417	0.00	0.02	0.075	0					2.02
43.500	0.00	0.02	0.075	0					2.02
43.583	0.00	0.02	0.075	0					2.01
43.667	0.00	0.02	0.075	0					2.01

43.750	0.00	0.02	0.074	0					2.01
43.833	0.00	0.02	0.074	0					2.01
43.917	0.00	0.02	0.074	0					2.00
44.000	0.00	0.02	0.074	0					2.00
44.083	0.00	0.02	0.074	0					2.00
44.167	0.00	0.02	0.074	0					1.99
44.250	0.00	0.02	0.074	0					1.99
44.333	0.00	0.02	0.073	0					1.99
44.417	0.00	0.02	0.073	0					1.98
44.500	0.00	0.02	0.073	0					1.98
44.583	0.00	0.02	0.073	0					1.98
44.667	0.00	0.02	0.073	0					1.97
44.750	0.00	0.02	0.073	0					1.97
44.833	0.00	0.02	0.072	0					1.97
44.917	0.00	0.02	0.072	0					1.96
45.000	0.00	0.02	0.072	0					1.96
45.083	0.00	0.02	0.072	0					1.96
45.167	0.00	0.02	0.072	0					1.95
45.250	0.00	0.02	0.072	0					1.95
45.333	0.00	0.02	0.072	0					1.95
45.417	0.00	0.02	0.071	0					1.94
45.500	0.00	0.02	0.071	0					1.94
45.583	0.00	0.02	0.071	0					1.94
45.667	0.00	0.02	0.071	0					1.93
45.750	0.00	0.02	0.071	0					1.93
45.833	0.00	0.02	0.071	0					1.93
45.917	0.00	0.02	0.071	0					1.92
46.000	0.00	0.02	0.070	0					1.92
46.083	0.00	0.02	0.070	0					1.92
46.167	0.00	0.02	0.070	0					1.91
46.250	0.00	0.02	0.070	0					1.91
46.333	0.00	0.02	0.070	0					1.91
46.417	0.00	0.02	0.070	0					1.91
46.500	0.00	0.02	0.069	0					1.90
46.583	0.00	0.02	0.069	0					1.90
46.667	0.00	0.02	0.069	0					1.90
46.750	0.00	0.02	0.069	0					1.89
46.833	0.00	0.02	0.069	0					1.89
46.917	0.00	0.02	0.069	0					1.89
47.000	0.00	0.02	0.069	0					1.88
47.083	0.00	0.02	0.068	0					1.88
47.167	0.00	0.02	0.068	0					1.88
47.250	0.00	0.02	0.068	0					1.87
47.333	0.00	0.02	0.068	0					1.87
47.417	0.00	0.02	0.068	0					1.87
47.500	0.00	0.02	0.068	0					1.86
47.583	0.00	0.02	0.068	0					1.86
47.667	0.00	0.02	0.067	0					1.86
47.750	0.00	0.02	0.067	0					1.85
47.833	0.00	0.02	0.067	0					1.85

47.917	0.00	0.02	0.067	0					1.85
48.000	0.00	0.02	0.067	0					1.84
48.083	0.00	0.02	0.067	0					1.84
48.167	0.00	0.02	0.067	0					1.84
48.250	0.00	0.02	0.066	0					1.84
48.333	0.00	0.02	0.066	0					1.83
48.417	0.00	0.02	0.066	0					1.83
48.500	0.00	0.02	0.066	0					1.83
48.583	0.00	0.02	0.066	0					1.82
48.667	0.00	0.02	0.066	0					1.82
48.750	0.00	0.02	0.066	0					1.82
48.833	0.00	0.02	0.065	0					1.81
48.917	0.00	0.02	0.065	0					1.81
49.000	0.00	0.02	0.065	0					1.81
49.083	0.00	0.02	0.065	0					1.80
49.167	0.00	0.02	0.065	0					1.80
49.250	0.00	0.02	0.065	0					1.80
49.333	0.00	0.02	0.065	0					1.79
49.417	0.00	0.02	0.064	0					1.79
49.500	0.00	0.02	0.064	0					1.79
49.583	0.00	0.02	0.064	0					1.79
49.667	0.00	0.02	0.064	0					1.78
49.750	0.00	0.02	0.064	0					1.78
49.833	0.00	0.02	0.064	0					1.78
49.917	0.00	0.02	0.064	0					1.77
50.000	0.00	0.02	0.063	0					1.77
50.083	0.00	0.02	0.063	0					1.77
50.167	0.00	0.02	0.063	0					1.76
50.250	0.00	0.02	0.063	0					1.76
50.333	0.00	0.02	0.063	0					1.76
50.417	0.00	0.02	0.063	0					1.75
50.500	0.00	0.02	0.063	0					1.75
50.583	0.00	0.02	0.062	0					1.75
50.667	0.00	0.02	0.062	0					1.75
50.750	0.00	0.02	0.062	0					1.74
50.833	0.00	0.02	0.062	0					1.74
50.917	0.00	0.02	0.062	0					1.74
51.000	0.00	0.02	0.062	0					1.73
51.083	0.00	0.02	0.062	0					1.73
51.167	0.00	0.02	0.061	0					1.73
51.250	0.00	0.02	0.061	0					1.72
51.333	0.00	0.02	0.061	0					1.72
51.417	0.00	0.02	0.061	0					1.72
51.500	0.00	0.02	0.061	0					1.71
51.583	0.00	0.02	0.061	0					1.71
51.667	0.00	0.02	0.061	0					1.71
51.750	0.00	0.02	0.060	0					1.71
51.833	0.00	0.02	0.060	0					1.70
51.917	0.00	0.02	0.060	0					1.70
52.000	0.00	0.02	0.060	0					1.70

52.083	0.00	0.02	0.060	0					1.69
52.167	0.00	0.02	0.060	0					1.69
52.250	0.00	0.02	0.060	0					1.69
52.333	0.00	0.02	0.059	0					1.68
52.417	0.00	0.02	0.059	0					1.68
52.500	0.00	0.02	0.059	0					1.68
52.583	0.00	0.02	0.059	0					1.68
52.667	0.00	0.02	0.059	0					1.67
52.750	0.00	0.02	0.059	0					1.67
52.833	0.00	0.02	0.059	0					1.67
52.917	0.00	0.02	0.059	0					1.66
53.000	0.00	0.02	0.058	0					1.66
53.083	0.00	0.02	0.058	0					1.66
53.167	0.00	0.02	0.058	0					1.65
53.250	0.00	0.02	0.058	0					1.65
53.333	0.00	0.02	0.058	0					1.65
53.417	0.00	0.02	0.058	0					1.65
53.500	0.00	0.02	0.058	0					1.64
53.583	0.00	0.02	0.057	0					1.64
53.667	0.00	0.02	0.057	0					1.64
53.750	0.00	0.02	0.057	0					1.63
53.833	0.00	0.02	0.057	0					1.63
53.917	0.00	0.02	0.057	0					1.63
54.000	0.00	0.02	0.057	0					1.62
54.083	0.00	0.02	0.057	0					1.62
54.167	0.00	0.02	0.056	0					1.62
54.250	0.00	0.02	0.056	0					1.62
54.333	0.00	0.02	0.056	0					1.61
54.417	0.00	0.02	0.056	0					1.61
54.500	0.00	0.02	0.056	0					1.61
54.583	0.00	0.02	0.056	0					1.60
54.667	0.00	0.02	0.056	0					1.60
54.750	0.00	0.02	0.056	0					1.60
54.833	0.00	0.02	0.055	0					1.60
54.917	0.00	0.02	0.055	0					1.59
55.000	0.00	0.02	0.055	0					1.59
55.083	0.00	0.02	0.055	0					1.59
55.167	0.00	0.02	0.055	0					1.58
55.250	0.00	0.02	0.055	0					1.58
55.333	0.00	0.02	0.055	0					1.58
55.417	0.00	0.02	0.054	0					1.58
55.500	0.00	0.02	0.054	0					1.57
55.583	0.00	0.02	0.054	0					1.57
55.667	0.00	0.02	0.054	0					1.57
55.750	0.00	0.02	0.054	0					1.56
55.833	0.00	0.02	0.054	0					1.56
55.917	0.00	0.02	0.054	0					1.56
56.000	0.00	0.02	0.054	0					1.55
56.083	0.00	0.02	0.053	0					1.55
56.167	0.00	0.02	0.053	0					1.55

56.250	0.00	0.02	0.053	0					1.55
56.333	0.00	0.02	0.053	0					1.54
56.417	0.00	0.02	0.053	0					1.54
56.500	0.00	0.02	0.053	0					1.54
56.583	0.00	0.02	0.053	0					1.53
56.667	0.00	0.02	0.052	0					1.53
56.750	0.00	0.02	0.052	0					1.53
56.833	0.00	0.02	0.052	0					1.53
56.917	0.00	0.02	0.052	0					1.52
57.000	0.00	0.02	0.052	0					1.52
57.083	0.00	0.02	0.052	0					1.52
57.167	0.00	0.02	0.052	0					1.51
57.250	0.00	0.02	0.052	0					1.51
57.333	0.00	0.02	0.051	0					1.51
57.417	0.00	0.02	0.051	0					1.51
57.500	0.00	0.02	0.051	0					1.50
57.583	0.00	0.02	0.051	0					1.50
57.667	0.00	0.02	0.051	0					1.50
57.750	0.00	0.02	0.051	0					1.49
57.833	0.00	0.02	0.051	0					1.49
57.917	0.00	0.02	0.050	0					1.49
58.000	0.00	0.02	0.050	0					1.49
58.083	0.00	0.02	0.050	0					1.48
58.167	0.00	0.02	0.050	0					1.48
58.250	0.00	0.02	0.050	0					1.48
58.333	0.00	0.02	0.050	0					1.47
58.417	0.00	0.02	0.050	0					1.47
58.500	0.00	0.02	0.050	0					1.47
58.583	0.00	0.02	0.049	0					1.47
58.667	0.00	0.02	0.049	0					1.46
58.750	0.00	0.02	0.049	0					1.46
58.833	0.00	0.02	0.049	0					1.46
58.917	0.00	0.02	0.049	0					1.45
59.000	0.00	0.02	0.049	0					1.45
59.083	0.00	0.02	0.049	0					1.45
59.167	0.00	0.02	0.049	0					1.45
59.250	0.00	0.02	0.048	0					1.44
59.333	0.00	0.02	0.048	0					1.44
59.417	0.00	0.02	0.048	0					1.44
59.500	0.00	0.02	0.048	0					1.44
59.583	0.00	0.02	0.048	0					1.43
59.667	0.00	0.02	0.048	0					1.43
59.750	0.00	0.02	0.048	0					1.43
59.833	0.00	0.02	0.048	0					1.42
59.917	0.00	0.02	0.047	0					1.42
60.000	0.00	0.02	0.047	0					1.42
60.083	0.00	0.02	0.047	0					1.42
60.167	0.00	0.02	0.047	0					1.41
60.250	0.00	0.02	0.047	0					1.41
60.333	0.00	0.02	0.047	0					1.41

60.417	0.00	0.02	0.047	0					1.40
60.500	0.00	0.02	0.046	0					1.40
60.583	0.00	0.02	0.046	0					1.40
60.667	0.00	0.02	0.046	0					1.40
60.750	0.00	0.02	0.046	0					1.39
60.833	0.00	0.02	0.046	0					1.39
60.917	0.00	0.02	0.046	0					1.39
61.000	0.00	0.02	0.046	0					1.39
61.083	0.00	0.02	0.046	0					1.38
61.167	0.00	0.02	0.045	0					1.38
61.250	0.00	0.02	0.045	0					1.38
61.333	0.00	0.02	0.045	0					1.37
61.417	0.00	0.02	0.045	0					1.37
61.500	0.00	0.02	0.045	0					1.37
61.583	0.00	0.02	0.045	0					1.37
61.667	0.00	0.02	0.045	0					1.36
61.750	0.00	0.02	0.045	0					1.36
61.833	0.00	0.02	0.044	0					1.36
61.917	0.00	0.02	0.044	0					1.36
62.000	0.00	0.02	0.044	0					1.35
62.083	0.00	0.02	0.044	0					1.35
62.167	0.00	0.02	0.044	0					1.35
62.250	0.00	0.02	0.044	0					1.34
62.333	0.00	0.02	0.044	0					1.34
62.417	0.00	0.02	0.044	0					1.34
62.500	0.00	0.02	0.043	0					1.34
62.583	0.00	0.02	0.043	0					1.33
62.667	0.00	0.02	0.043	0					1.33
62.750	0.00	0.02	0.043	0					1.33
62.833	0.00	0.02	0.043	0					1.33
62.917	0.00	0.02	0.043	0					1.32
63.000	0.00	0.02	0.043	0					1.32
63.083	0.00	0.02	0.043	0					1.32
63.167	0.00	0.02	0.042	0					1.32
63.250	0.00	0.02	0.042	0					1.31
63.333	0.00	0.02	0.042	0					1.31
63.417	0.00	0.02	0.042	0					1.31
63.500	0.00	0.02	0.042	0					1.30
63.583	0.00	0.02	0.042	0					1.30
63.667	0.00	0.02	0.042	0					1.30
63.750	0.00	0.02	0.042	0					1.30
63.833	0.00	0.02	0.042	0					1.29
63.917	0.00	0.02	0.041	0					1.29
64.000	0.00	0.02	0.041	0					1.29
64.083	0.00	0.02	0.041	0					1.29
64.167	0.00	0.02	0.041	0					1.28
64.250	0.00	0.02	0.041	0					1.28
64.333	0.00	0.02	0.041	0					1.28
64.417	0.00	0.02	0.041	0					1.28
64.500	0.00	0.02	0.041	0					1.27

64.583	0.00	0.02	0.040	0					1.27
64.667	0.00	0.02	0.040	0					1.27
64.750	0.00	0.02	0.040	0					1.26
64.833	0.00	0.02	0.040	0					1.26
64.917	0.00	0.02	0.040	0					1.26
65.000	0.00	0.02	0.040	0					1.26
65.083	0.00	0.02	0.040	0					1.25
65.167	0.00	0.02	0.040	0					1.25
65.250	0.00	0.02	0.039	0					1.25
65.333	0.00	0.02	0.039	0					1.25
65.417	0.00	0.02	0.039	0					1.24
65.500	0.00	0.02	0.039	0					1.24
65.583	0.00	0.02	0.039	0					1.24
65.667	0.00	0.02	0.039	0					1.24
65.750	0.00	0.02	0.039	0					1.23
65.833	0.00	0.02	0.039	0					1.23
65.917	0.00	0.02	0.038	0					1.23
66.000	0.00	0.02	0.038	0					1.23
66.083	0.00	0.02	0.038	0					1.22
66.167	0.00	0.02	0.038	0					1.22
66.250	0.00	0.02	0.038	0					1.22
66.333	0.00	0.02	0.038	0					1.22
66.417	0.00	0.02	0.038	0					1.21
66.500	0.00	0.02	0.038	0					1.21
66.583	0.00	0.02	0.038	0					1.21
66.667	0.00	0.02	0.037	0					1.20
66.750	0.00	0.02	0.037	0					1.20
66.833	0.00	0.02	0.037	0					1.20
66.917	0.00	0.02	0.037	0					1.20
67.000	0.00	0.02	0.037	0					1.19
67.083	0.00	0.02	0.037	0					1.19
67.167	0.00	0.02	0.037	0					1.19
67.250	0.00	0.02	0.037	0					1.19
67.333	0.00	0.02	0.036	0					1.18
67.417	0.00	0.02	0.036	0					1.18
67.500	0.00	0.02	0.036	0					1.18
67.583	0.00	0.02	0.036	0					1.18
67.667	0.00	0.02	0.036	0					1.17
67.750	0.00	0.02	0.036	0					1.17
67.833	0.00	0.02	0.036	0					1.17
67.917	0.00	0.02	0.036	0					1.17
68.000	0.00	0.02	0.036	0					1.16
68.083	0.00	0.02	0.035	0					1.16
68.167	0.00	0.02	0.035	0					1.16
68.250	0.00	0.02	0.035	0					1.16
68.333	0.00	0.02	0.035	0					1.15
68.417	0.00	0.02	0.035	0					1.15
68.500	0.00	0.02	0.035	0					1.15
68.583	0.00	0.02	0.035	0					1.15
68.667	0.00	0.02	0.035	0					1.14

68.750	0.00	0.02	0.034	0					1.14
68.833	0.00	0.02	0.034	0					1.14
68.917	0.00	0.02	0.034	0					1.14
69.000	0.00	0.02	0.034	0					1.13
69.083	0.00	0.02	0.034	0					1.13
69.167	0.00	0.02	0.034	0					1.13
69.250	0.00	0.02	0.034	0					1.13
69.333	0.00	0.02	0.034	0					1.12
69.417	0.00	0.02	0.034	0					1.12
69.500	0.00	0.02	0.033	0					1.12
69.583	0.00	0.02	0.033	0					1.12
69.667	0.00	0.02	0.033	0					1.11
69.750	0.00	0.02	0.033	0					1.11
69.833	0.00	0.02	0.033	0					1.11
69.917	0.00	0.02	0.033	0					1.11
70.000	0.00	0.02	0.033	0					1.10
70.083	0.00	0.02	0.033	0					1.10
70.167	0.00	0.02	0.033	0					1.10
70.250	0.00	0.02	0.032	0					1.10
70.333	0.00	0.02	0.032	0					1.09
70.417	0.00	0.02	0.032	0					1.09
70.500	0.00	0.02	0.032	0					1.09
70.583	0.00	0.02	0.032	0					1.09
70.667	0.00	0.02	0.032	0					1.08
70.750	0.00	0.02	0.032	0					1.08
70.833	0.00	0.02	0.032	0					1.08
70.917	0.00	0.02	0.032	0					1.08
71.000	0.00	0.02	0.031	0					1.07
71.083	0.00	0.02	0.031	0					1.07
71.167	0.00	0.02	0.031	0					1.07
71.250	0.00	0.02	0.031	0					1.07
71.333	0.00	0.02	0.031	0					1.06
71.417	0.00	0.02	0.031	0					1.06
71.500	0.00	0.02	0.031	0					1.06
71.583	0.00	0.02	0.031	0					1.06
71.667	0.00	0.02	0.030	0					1.05
71.750	0.00	0.02	0.030	0					1.05
71.833	0.00	0.02	0.030	0					1.05
71.917	0.00	0.02	0.030	0					1.05
72.000	0.00	0.02	0.030	0					1.04
72.083	0.00	0.02	0.030	0					1.04
72.167	0.00	0.02	0.030	0					1.04
72.250	0.00	0.02	0.030	0					1.04
72.333	0.00	0.02	0.030	0					1.03
72.417	0.00	0.02	0.029	0					1.03
72.500	0.00	0.02	0.029	0					1.03
72.583	0.00	0.02	0.029	0					1.03
72.667	0.00	0.02	0.029	0					1.02
72.750	0.00	0.02	0.029	0					1.02
72.833	0.00	0.02	0.029	0					1.02

72.917	0.00	0.02	0.029	0					1.02
73.000	0.00	0.02	0.029	0					1.02
73.083	0.00	0.02	0.029	0					1.01
73.167	0.00	0.02	0.028	0					1.01
73.250	0.00	0.02	0.028	0					1.01
73.333	0.00	0.02	0.028	0					1.01
73.417	0.00	0.02	0.028	0					1.00
73.500	0.00	0.02	0.028	0					1.00
73.583	0.00	0.02	0.028	0					1.00
73.667	0.00	0.02	0.028	0					0.99
73.750	0.00	0.02	0.028	0					0.99
73.833	0.00	0.02	0.028	0					0.99
73.917	0.00	0.02	0.027	0					0.98
74.000	0.00	0.02	0.027	0					0.98
74.083	0.00	0.02	0.027	0					0.97
74.167	0.00	0.02	0.027	0					0.97
74.250	0.00	0.02	0.027	0					0.97
74.333	0.00	0.02	0.027	0					0.96
74.417	0.00	0.02	0.027	0					0.96
74.500	0.00	0.02	0.027	0					0.95
74.583	0.00	0.02	0.027	0					0.95
74.667	0.00	0.02	0.027	0					0.95
74.750	0.00	0.02	0.026	0					0.94
74.833	0.00	0.02	0.026	0					0.94
74.917	0.00	0.02	0.026	0					0.93
75.000	0.00	0.02	0.026	0					0.93
75.083	0.00	0.02	0.026	0					0.93
75.167	0.00	0.02	0.026	0					0.92
75.250	0.00	0.02	0.026	0					0.92
75.333	0.00	0.02	0.026	0					0.92
75.417	0.00	0.02	0.026	0					0.91
75.500	0.00	0.02	0.025	0					0.91
75.583	0.00	0.02	0.025	0					0.90
75.667	0.00	0.02	0.025	0					0.90
75.750	0.00	0.02	0.025	0					0.90
75.833	0.00	0.02	0.025	0					0.89
75.917	0.00	0.02	0.025	0					0.89
76.000	0.00	0.02	0.025	0					0.89
76.083	0.00	0.01	0.025	0					0.88
76.167	0.00	0.01	0.025	0					0.88
76.250	0.00	0.01	0.025	0					0.87
76.333	0.00	0.01	0.024	0					0.87
76.417	0.00	0.01	0.024	0					0.87
76.500	0.00	0.01	0.024	0					0.86
76.583	0.00	0.01	0.024	0					0.86
76.667	0.00	0.01	0.024	0					0.86
76.750	0.00	0.01	0.024	0					0.85
76.833	0.00	0.01	0.024	0					0.85
76.917	0.00	0.01	0.024	0					0.84
77.000	0.00	0.01	0.024	0					0.84

77.083	0.00	0.01	0.024	0					0.84
77.167	0.00	0.01	0.023	0					0.83
77.250	0.00	0.01	0.023	0					0.83
77.333	0.00	0.01	0.023	0					0.83
77.417	0.00	0.01	0.023	0					0.82
77.500	0.00	0.01	0.023	0					0.82
77.583	0.00	0.01	0.023	0					0.82
77.667	0.00	0.01	0.023	0					0.81
77.750	0.00	0.01	0.023	0					0.81
77.833	0.00	0.01	0.023	0					0.81
77.917	0.00	0.01	0.023	0					0.80
78.000	0.00	0.01	0.022	0					0.80
78.083	0.00	0.01	0.022	0					0.79
78.167	0.00	0.01	0.022	0					0.79
78.250	0.00	0.01	0.022	0					0.79
78.333	0.00	0.01	0.022	0					0.78
78.417	0.00	0.01	0.022	0					0.78
78.500	0.00	0.01	0.022	0					0.78
78.583	0.00	0.01	0.022	0					0.77
78.667	0.00	0.01	0.022	0					0.77
78.750	0.00	0.01	0.022	0					0.77
78.833	0.00	0.01	0.021	0					0.76
78.917	0.00	0.01	0.021	0					0.76
79.000	0.00	0.01	0.021	0					0.76
79.083	0.00	0.01	0.021	0					0.75
79.167	0.00	0.01	0.021	0					0.75
79.250	0.00	0.01	0.021	0					0.75
79.333	0.00	0.01	0.021	0					0.74
79.417	0.00	0.01	0.021	0					0.74
79.500	0.00	0.01	0.021	0					0.74
79.583	0.00	0.01	0.021	0					0.73
79.667	0.00	0.01	0.020	0					0.73
79.750	0.00	0.01	0.020	0					0.73
79.833	0.00	0.01	0.020	0					0.72
79.917	0.00	0.01	0.020	0					0.72
80.000	0.00	0.01	0.020	0					0.71
80.083	0.00	0.01	0.020	0					0.71
80.167	0.00	0.01	0.020	0					0.71
80.250	0.00	0.01	0.020	0					0.70
80.333	0.00	0.01	0.020	0					0.70
80.417	0.00	0.01	0.020	0					0.70
80.500	0.00	0.01	0.020	0					0.69
80.583	0.00	0.01	0.019	0					0.69
80.667	0.00	0.01	0.019	0					0.69
80.750	0.00	0.01	0.019	0					0.68
80.833	0.00	0.01	0.019	0					0.68
80.917	0.00	0.01	0.019	0					0.68
81.000	0.00	0.01	0.019	0					0.67
81.083	0.00	0.01	0.019	0					0.67
81.167	0.00	0.01	0.019	0					0.67

81.250	0.00	0.01	0.019	0					0.66
81.333	0.00	0.01	0.019	0					0.66
81.417	0.00	0.01	0.019	0					0.66
81.500	0.00	0.01	0.018	0					0.66
81.583	0.00	0.01	0.018	0					0.65
81.667	0.00	0.01	0.018	0					0.65
81.750	0.00	0.01	0.018	0					0.65
81.833	0.00	0.01	0.018	0					0.64
81.917	0.00	0.01	0.018	0					0.64
82.000	0.00	0.01	0.018	0					0.64
82.083	0.00	0.01	0.018	0					0.63
82.167	0.00	0.01	0.018	0					0.63
82.250	0.00	0.01	0.018	0					0.63
82.333	0.00	0.01	0.018	0					0.62
82.417	0.00	0.01	0.017	0					0.62
82.500	0.00	0.01	0.017	0					0.62
82.583	0.00	0.01	0.017	0					0.61
82.667	0.00	0.01	0.017	0					0.61
82.750	0.00	0.01	0.017	0					0.61
82.833	0.00	0.01	0.017	0					0.60
82.917	0.00	0.01	0.017	0					0.60
83.000	0.00	0.01	0.017	0					0.60
83.083	0.00	0.01	0.017	0					0.59
83.167	0.00	0.01	0.017	0					0.59
83.250	0.00	0.01	0.017	0					0.59
83.333	0.00	0.01	0.017	0					0.59
83.417	0.00	0.01	0.016	0					0.58
83.500	0.00	0.01	0.016	0					0.58
83.583	0.00	0.01	0.016	0					0.58
83.667	0.00	0.01	0.016	0					0.57
83.750	0.00	0.01	0.016	0					0.57
83.833	0.00	0.01	0.016	0					0.57
83.917	0.00	0.01	0.016	0					0.56
84.000	0.00	0.01	0.016	0					0.56
84.083	0.00	0.01	0.016	0					0.56
84.167	0.00	0.01	0.016	0					0.55
84.250	0.00	0.01	0.016	0					0.55
84.333	0.00	0.01	0.016	0					0.55
84.417	0.00	0.01	0.015	0					0.55
84.500	0.00	0.01	0.015	0					0.54
84.583	0.00	0.01	0.015	0					0.54
84.667	0.00	0.01	0.015	0					0.54
84.750	0.00	0.01	0.015	0					0.53
84.833	0.00	0.01	0.015	0					0.53
84.917	0.00	0.01	0.015	0					0.53
85.000	0.00	0.01	0.015	0					0.52
85.083	0.00	0.01	0.015	0					0.52
85.167	0.00	0.01	0.015	0					0.52
85.250	0.00	0.01	0.015	0					0.52
85.333	0.00	0.01	0.015	0					0.51

85.417	0.00	0.01	0.014	0					0.51
85.500	0.00	0.01	0.014	0					0.51
85.583	0.00	0.01	0.014	0					0.50
85.667	0.00	0.01	0.014	0					0.50
85.750	0.00	0.01	0.014	0					0.50
85.833	0.00	0.01	0.014	0					0.49
85.917	0.00	0.01	0.014	0					0.49
86.000	0.00	0.01	0.014	0					0.49
86.083	0.00	0.01	0.014	0					0.49
86.167	0.00	0.01	0.014	0					0.48
86.250	0.00	0.01	0.014	0					0.48
86.333	0.00	0.01	0.014	0					0.48
86.417	0.00	0.01	0.013	0					0.47
86.500	0.00	0.01	0.013	0					0.47
86.583	0.00	0.01	0.013	0					0.47
86.667	0.00	0.01	0.013	0					0.47
86.750	0.00	0.01	0.013	0					0.46
86.833	0.00	0.01	0.013	0					0.46
86.917	0.00	0.01	0.013	0					0.46
87.000	0.00	0.01	0.013	0					0.45
87.083	0.00	0.01	0.013	0					0.45
87.167	0.00	0.01	0.013	0					0.45
87.250	0.00	0.01	0.013	0					0.45
87.333	0.00	0.01	0.013	0					0.44
87.417	0.00	0.01	0.013	0					0.44
87.500	0.00	0.01	0.012	0					0.44
87.583	0.00	0.01	0.012	0					0.44
87.667	0.00	0.01	0.012	0					0.43
87.750	0.00	0.01	0.012	0					0.43
87.833	0.00	0.01	0.012	0					0.43
87.917	0.00	0.01	0.012	0					0.42
88.000	0.00	0.01	0.012	0					0.42
88.083	0.00	0.01	0.012	0					0.42
88.167	0.00	0.01	0.012	0					0.42
88.250	0.00	0.01	0.012	0					0.41
88.333	0.00	0.01	0.012	0					0.41
88.417	0.00	0.01	0.012	0					0.41
88.500	0.00	0.01	0.012	0					0.40
88.583	0.00	0.01	0.011	0					0.40
88.667	0.00	0.01	0.011	0					0.40
88.750	0.00	0.01	0.011	0					0.40
88.833	0.00	0.01	0.011	0					0.39
88.917	0.00	0.01	0.011	0					0.39
89.000	0.00	0.01	0.011	0					0.39
89.083	0.00	0.01	0.011	0					0.39
89.167	0.00	0.01	0.011	0					0.38
89.250	0.00	0.01	0.011	0					0.38
89.333	0.00	0.01	0.011	0					0.38
89.417	0.00	0.01	0.011	0					0.38
89.500	0.00	0.01	0.011	0					0.37

89.583	0.00	0.01	0.011	0					0.37
89.667	0.00	0.01	0.010	0					0.37
89.750	0.00	0.01	0.010	0					0.36
89.833	0.00	0.01	0.010	0					0.36
89.917	0.00	0.01	0.010	0					0.36
90.000	0.00	0.01	0.010	0					0.36
90.083	0.00	0.01	0.010	0					0.35
90.167	0.00	0.01	0.010	0					0.35
90.250	0.00	0.01	0.010	0					0.35
90.333	0.00	0.01	0.010	0					0.35
90.417	0.00	0.01	0.010	0					0.34
90.500	0.00	0.01	0.010	0					0.34
90.583	0.00	0.01	0.010	0					0.34
90.667	0.00	0.01	0.010	0					0.34
90.750	0.00	0.01	0.010	0					0.33
90.833	0.00	0.01	0.009	0					0.33
90.917	0.00	0.01	0.009	0					0.33
91.000	0.00	0.01	0.009	0					0.33
91.083	0.00	0.01	0.009	0					0.32
91.167	0.00	0.01	0.009	0					0.32
91.250	0.00	0.01	0.009	0					0.32
91.333	0.00	0.01	0.009	0					0.32
91.417	0.00	0.01	0.009	0					0.31
91.500	0.00	0.01	0.009	0					0.31
91.583	0.00	0.01	0.009	0					0.31
91.667	0.00	0.01	0.009	0					0.31
91.750	0.00	0.01	0.009	0					0.30
91.833	0.00	0.01	0.009	0					0.30
91.917	0.00	0.01	0.009	0					0.30
92.000	0.00	0.01	0.009	0					0.30
92.083	0.00	0.01	0.008	0					0.29
92.167	0.00	0.01	0.008	0					0.29
92.250	0.00	0.01	0.008	0					0.29
92.333	0.00	0.01	0.008	0					0.29
92.417	0.00	0.01	0.008	0					0.28
92.500	0.00	0.01	0.008	0					0.28
92.583	0.00	0.01	0.008	0					0.28
92.667	0.00	0.01	0.008	0					0.28
92.750	0.00	0.01	0.008	0					0.27
92.833	0.00	0.01	0.008	0					0.27
92.917	0.00	0.01	0.008	0					0.27
93.000	0.00	0.01	0.008	0					0.27
93.083	0.00	0.01	0.008	0					0.26
93.167	0.00	0.01	0.008	0					0.26
93.250	0.00	0.01	0.007	0					0.26
93.333	0.00	0.01	0.007	0					0.26
93.417	0.00	0.01	0.007	0					0.25
93.500	0.00	0.01	0.007	0					0.25
93.583	0.00	0.01	0.007	0					0.25
93.667	0.00	0.01	0.007	0					0.25

93.750	0.00	0.01	0.007	0					0.24
93.833	0.00	0.01	0.007	0					0.24
93.917	0.00	0.01	0.007	0					0.24
94.000	0.00	0.01	0.007	0					0.24
94.083	0.00	0.01	0.007	0					0.23
94.167	0.00	0.01	0.007	0					0.23
94.250	0.00	0.01	0.007	0					0.23
94.333	0.00	0.01	0.007	0					0.23
94.417	0.00	0.01	0.007	0					0.23
94.500	0.00	0.01	0.007	0					0.22
94.583	0.00	0.01	0.006	0					0.22
94.667	0.00	0.01	0.006	0					0.22
94.750	0.00	0.01	0.006	0					0.22
94.833	0.00	0.01	0.006	0					0.21
94.917	0.00	0.01	0.006	0					0.21
95.000	0.00	0.01	0.006	0					0.21
95.083	0.00	0.01	0.006	0					0.21
95.167	0.00	0.01	0.006	0					0.20
95.250	0.00	0.01	0.006	0					0.20
95.333	0.00	0.01	0.006	0					0.20
95.417	0.00	0.01	0.006	0					0.20
95.500	0.00	0.01	0.006	0					0.20
95.583	0.00	0.01	0.006	0					0.19
95.667	0.00	0.01	0.006	0					0.19
95.750	0.00	0.01	0.006	0					0.19
95.833	0.00	0.01	0.005	0					0.19
95.917	0.00	0.01	0.005	0					0.18
96.000	0.00	0.01	0.005	0					0.18
96.083	0.00	0.01	0.005	0					0.18
96.167	0.00	0.01	0.005	0					0.18
96.250	0.00	0.01	0.005	0					0.18
96.333	0.00	0.01	0.005	0					0.17
96.417	0.00	0.01	0.005	0					0.17
96.500	0.00	0.01	0.005	0					0.17
96.583	0.00	0.01	0.005	0					0.17
96.667	0.00	0.01	0.005	0					0.16
96.750	0.00	0.01	0.005	0					0.16
96.833	0.00	0.01	0.005	0					0.16
96.917	0.00	0.01	0.005	0					0.16
97.000	0.00	0.01	0.005	0					0.16
97.083	0.00	0.01	0.005	0					0.15
97.167	0.00	0.01	0.005	0					0.15
97.250	0.00	0.01	0.004	0					0.15
97.333	0.00	0.01	0.004	0					0.15
97.417	0.00	0.01	0.004	0					0.14
97.500	0.00	0.01	0.004	0					0.14
97.583	0.00	0.01	0.004	0					0.14
97.667	0.00	0.01	0.004	0					0.14
97.750	0.00	0.01	0.004	0					0.14
97.833	0.00	0.01	0.004	0					0.13

97.917	0.00	0.01	0.004	0					0.13
98.000	0.00	0.01	0.004	0					0.13
98.083	0.00	0.01	0.004	0					0.13
98.167	0.00	0.01	0.004	0					0.12
98.250	0.00	0.01	0.004	0					0.12
98.333	0.00	0.01	0.004	0					0.12
98.417	0.00	0.01	0.004	0					0.12
98.500	0.00	0.01	0.004	0					0.12
98.583	0.00	0.01	0.003	0					0.11
98.667	0.00	0.01	0.003	0					0.11
98.750	0.00	0.01	0.003	0					0.11
98.833	0.00	0.01	0.003	0					0.11
98.917	0.00	0.01	0.003	0					0.11
99.000	0.00	0.01	0.003	0					0.10
99.083	0.00	0.01	0.003	0					0.10
99.167	0.00	0.01	0.003	0					0.10
99.250	0.00	0.01	0.003	0					0.10
99.333	0.00	0.01	0.003	0					0.10
99.417	0.00	0.01	0.003	0					0.09
99.500	0.00	0.01	0.003	0					0.09
99.583	0.00	0.01	0.003	0					0.09
99.667	0.00	0.01	0.003	0					0.09
99.750	0.00	0.01	0.003	0					0.09
99.833	0.00	0.01	0.003	0					0.08
99.917	0.00	0.01	0.003	0					0.08
100.000	0.00	0.01	0.003	0					0.08
100.083	0.00	0.01	0.002	0					0.08
100.167	0.00	0.01	0.002	0					0.07
100.250	0.00	0.01	0.002	0					0.07
100.333	0.00	0.01	0.002	0					0.07
100.417	0.00	0.01	0.002	0					0.07
100.500	0.00	0.01	0.002	0					0.07
100.583	0.00	0.01	0.002	0					0.06
100.667	0.00	0.01	0.002	0					0.06
100.750	0.00	0.01	0.002	0					0.06
100.833	0.00	0.01	0.002	0					0.06
100.917	0.00	0.01	0.002	0					0.06
101.000	0.00	0.01	0.002	0					0.06
101.083	0.00	0.01	0.002	0					0.05
101.167	0.00	0.01	0.002	0					0.05
101.250	0.00	0.01	0.002	0					0.05
101.333	0.00	0.01	0.002	0					0.05
101.417	0.00	0.01	0.002	0					0.05
101.500	0.00	0.01	0.002	0					0.05
101.583	0.00	0.01	0.002	0					0.05
101.667	0.00	0.01	0.001	0					0.04
101.750	0.00	0.01	0.001	0					0.04
101.833	0.00	0.01	0.001	0					0.04
101.917	0.00	0.01	0.001	0					0.04
102.000	0.00	0.01	0.001	0					0.04

102.083	0.00	0.01	0.001	0					0.04
102.167	0.00	0.01	0.001	0					0.04
102.250	0.00	0.00	0.001	0					0.04
102.333	0.00	0.00	0.001	0					0.04
102.417	0.00	0.00	0.001	0					0.04
102.500	0.00	0.00	0.001	0					0.03
102.583	0.00	0.00	0.001	0					0.03
102.667	0.00	0.00	0.001	0					0.03
102.750	0.00	0.00	0.001	0					0.03
102.833	0.00	0.00	0.001	0					0.03
102.917	0.00	0.00	0.001	0					0.03
103.000	0.00	0.00	0.001	0					0.03
103.083	0.00	0.00	0.001	0					0.03
103.167	0.00	0.00	0.001	0					0.03
103.250	0.00	0.00	0.001	0					0.03
103.333	0.00	0.00	0.001	0					0.03
103.417	0.00	0.00	0.001	0					0.03
103.500	0.00	0.00	0.001	0					0.02
103.583	0.00	0.00	0.001	0					0.02
103.667	0.00	0.00	0.001	0					0.02
103.750	0.00	0.00	0.001	0					0.02
103.833	0.00	0.00	0.001	0					0.02
103.917	0.00	0.00	0.001	0					0.02
104.000	0.00	0.00	0.001	0					0.02
104.083	0.00	0.00	0.001	0					0.02
104.167	0.00	0.00	0.001	0					0.02
104.250	0.00	0.00	0.001	0					0.02
104.333	0.00	0.00	0.001	0					0.02
104.417	0.00	0.00	0.001	0					0.02
104.500	0.00	0.00	0.001	0					0.02
104.583	0.00	0.00	0.001	0					0.02
104.667	0.00	0.00	0.001	0					0.02
104.750	0.00	0.00	0.001	0					0.02
104.833	0.00	0.00	0.001	0					0.02
104.917	0.00	0.00	0.001	0					0.02
105.000	0.00	0.00	0.000	0					0.01
105.083	0.00	0.00	0.000	0					0.01
105.167	0.00	0.00	0.000	0					0.01
105.250	0.00	0.00	0.000	0					0.01
105.333	0.00	0.00	0.000	0					0.01
105.417	0.00	0.00	0.000	0					0.01
105.500	0.00	0.00	0.000	0					0.01
105.583	0.00	0.00	0.000	0					0.01
105.667	0.00	0.00	0.000	0					0.01
105.750	0.00	0.00	0.000	0					0.01
105.833	0.00	0.00	0.000	0					0.01
105.917	0.00	0.00	0.000	0					0.01
106.000	0.00	0.00	0.000	0					0.01
106.083	0.00	0.00	0.000	0					0.01
106.167	0.00	0.00	0.000	0					0.01

106.250	0.00	0.00	0.000	0					0.01
106.333	0.00	0.00	0.000	0					0.01
106.417	0.00	0.00	0.000	0					0.01
106.500	0.00	0.00	0.000	0					0.01
106.583	0.00	0.00	0.000	0					0.01
106.667	0.00	0.00	0.000	0					0.01
106.750	0.00	0.00	0.000	0					0.01
106.833	0.00	0.00	0.000	0					0.01
106.917	0.00	0.00	0.000	0					0.01
107.000	0.00	0.00	0.000	0					0.01
107.083	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1285

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.991 (CFS)

Total volume = 0.231 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
100 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da13100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.147 (CFS)
Total volume = 0.178 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	1.07	1.61	2.15	Depth (Ft.)
0.083	0.19	0.00	0.001	0 I					0.02
0.167	0.29	0.01	0.002	0 I					0.07
0.250	0.27	0.01	0.004	0 I					0.14
0.333	0.32	0.01	0.006	0 I					0.21
0.417	0.35	0.01	0.008	0 I					0.29
0.500	0.41	0.01	0.011	0 I					0.38
0.583	0.39	0.01	0.014	0 I					0.48
0.667	0.41	0.01	0.016	0 I					0.57
0.750	0.44	0.01	0.019	0 I					0.68
0.833	0.39	0.01	0.022	0 I					0.78
0.917	0.38	0.01	0.024	0 I					0.87
1.000	0.42	0.02	0.027	0 I					0.96
1.083	0.51	0.02	0.030	0 I					1.05
1.167	0.55	0.02	0.034	0 I					1.12
1.250	0.56	0.02	0.037	0 I					1.20
1.333	0.52	0.02	0.041	0 I					1.28
1.417	0.61	0.02	0.045	0 I					1.36
1.500	0.68	0.02	0.049	0 I					1.46
1.583	0.64	0.02	0.053	0 I					1.55
1.667	0.67	0.02	0.058	0 I					1.65
1.750	0.80	0.02	0.063	0 I					1.75
1.833	0.82	0.02	0.068	0 I					1.87
1.917	0.78	0.02	0.074	0 I					1.99
2.000	0.77	0.02	0.079	0 I					2.09

2.083	0.80	0.02	0.084	0		I				2.20
2.167	1.00	0.02	0.090	0			I			2.32
2.250	1.25	0.02	0.098	0				I		2.47
2.333	1.07	0.02	0.106	0				I		2.62
2.417	1.52	0.03	0.114	0					I	2.79
2.500	1.91	0.05	0.126	0						3.02
2.583	2.15	0.06	0.139	0					I	3.32
2.667	1.84	0.07	0.153	0					I	3.61
2.750	0.94	0.07	0.162	0			I			3.82
2.833	0.51	0.08	0.166	0		I				3.92
2.917	0.45	0.08	0.169	0		I				3.98
3.000	0.25	0.10	0.171	0	I					4.02
3.083	0.06	0.11	0.171	IO						4.03
3.167	0.00	0.10	0.171	IO						4.01
3.250	0.00	0.08	0.170	IO						4.00
3.333	0.00	0.08	0.169	IO						3.99
3.417	0.00	0.08	0.169	IO						3.97
3.500	0.00	0.08	0.168	IO						3.96
3.583	0.00	0.08	0.168	IO						3.95
3.667	0.00	0.08	0.167	IO						3.94
3.750	0.00	0.08	0.167	IO						3.93
3.833	0.00	0.08	0.166	IO						3.91
3.917	0.00	0.08	0.166	IO						3.90
4.000	0.00	0.08	0.165	IO						3.89
4.083	0.00	0.08	0.165	IO						3.88
4.167	0.00	0.08	0.164	IO						3.87
4.250	0.00	0.08	0.164	IO						3.86
4.333	0.00	0.08	0.163	IO						3.84
4.417	0.00	0.08	0.162	IO						3.83
4.500	0.00	0.07	0.162	IO						3.82
4.583	0.00	0.07	0.161	IO						3.81
4.667	0.00	0.07	0.161	IO						3.80
4.750	0.00	0.07	0.160	IO						3.79
4.833	0.00	0.07	0.160	IO						3.78
4.917	0.00	0.07	0.159	IO						3.76
5.000	0.00	0.07	0.159	IO						3.75
5.083	0.00	0.07	0.158	IO						3.74
5.167	0.00	0.07	0.158	IO						3.73
5.250	0.00	0.07	0.157	IO						3.72
5.333	0.00	0.07	0.157	IO						3.71
5.417	0.00	0.07	0.156	IO						3.70
5.500	0.00	0.07	0.156	IO						3.69
5.583	0.00	0.07	0.155	IO						3.68
5.667	0.00	0.07	0.155	IO						3.67
5.750	0.00	0.07	0.154	IO						3.66
5.833	0.00	0.07	0.154	IO						3.64
5.917	0.00	0.07	0.154	IO						3.63
6.000	0.00	0.07	0.153	IO						3.62
6.083	0.00	0.07	0.153	IO						3.61
6.167	0.00	0.07	0.152	IO						3.60

6.250	0.00	0.07	0.152	IO					3.59
6.333	0.00	0.07	0.151	IO					3.58
6.417	0.00	0.07	0.151	IO					3.57
6.500	0.00	0.07	0.150	IO					3.56
6.583	0.00	0.07	0.150	0					3.55
6.667	0.00	0.07	0.149	0					3.54
6.750	0.00	0.07	0.149	0					3.53
6.833	0.00	0.07	0.148	0					3.52
6.917	0.00	0.07	0.148	0					3.51
7.000	0.00	0.07	0.147	0					3.50
7.083	0.00	0.07	0.147	0					3.49
7.167	0.00	0.06	0.147	0					3.48
7.250	0.00	0.06	0.146	0					3.47
7.333	0.00	0.06	0.146	0					3.46
7.417	0.00	0.06	0.145	0					3.45
7.500	0.00	0.06	0.145	0					3.44
7.583	0.00	0.06	0.144	0					3.43
7.667	0.00	0.06	0.144	0					3.42
7.750	0.00	0.06	0.144	0					3.41
7.833	0.00	0.06	0.143	0					3.40
7.917	0.00	0.06	0.143	0					3.39
8.000	0.00	0.06	0.142	0					3.38
8.083	0.00	0.06	0.142	0					3.37
8.167	0.00	0.06	0.141	0					3.36
8.250	0.00	0.06	0.141	0					3.35
8.333	0.00	0.06	0.141	0					3.34
8.417	0.00	0.06	0.140	0					3.34
8.500	0.00	0.06	0.140	0					3.33
8.583	0.00	0.06	0.139	0					3.32
8.667	0.00	0.06	0.139	0					3.31
8.750	0.00	0.06	0.138	0					3.30
8.833	0.00	0.06	0.138	0					3.29
8.917	0.00	0.06	0.138	0					3.28
9.000	0.00	0.06	0.137	0					3.27
9.083	0.00	0.06	0.137	0					3.26
9.167	0.00	0.06	0.136	0					3.25
9.250	0.00	0.06	0.136	0					3.24
9.333	0.00	0.06	0.136	0					3.24
9.417	0.00	0.06	0.135	0					3.23
9.500	0.00	0.06	0.135	0					3.22
9.583	0.00	0.06	0.134	0					3.21
9.667	0.00	0.06	0.134	0					3.20
9.750	0.00	0.06	0.134	0					3.19
9.833	0.00	0.06	0.133	0					3.18
9.917	0.00	0.06	0.133	0					3.17
10.000	0.00	0.06	0.132	0					3.17
10.083	0.00	0.06	0.132	0					3.16
10.167	0.00	0.06	0.132	0					3.15
10.250	0.00	0.06	0.131	0					3.14
10.333	0.00	0.05	0.131	0					3.13

10.417	0.00	0.05	0.131	0					3.12
10.500	0.00	0.05	0.130	0					3.12
10.583	0.00	0.05	0.130	0					3.11
10.667	0.00	0.05	0.129	0					3.10
10.750	0.00	0.05	0.129	0					3.09
10.833	0.00	0.05	0.129	0					3.08
10.917	0.00	0.05	0.128	0					3.07
11.000	0.00	0.05	0.128	0					3.07
11.083	0.00	0.05	0.128	0					3.06
11.167	0.00	0.05	0.127	0					3.05
11.250	0.00	0.05	0.127	0					3.04
11.333	0.00	0.05	0.127	0					3.03
11.417	0.00	0.05	0.126	0					3.03
11.500	0.00	0.05	0.126	0					3.02
11.583	0.00	0.05	0.125	0					3.01
11.667	0.00	0.05	0.125	0					3.00
11.750	0.00	0.05	0.125	0					3.00
11.833	0.00	0.05	0.124	0					2.99
11.917	0.00	0.05	0.124	0					2.98
12.000	0.00	0.05	0.124	0					2.97
12.083	0.00	0.05	0.123	0					2.97
12.167	0.00	0.05	0.123	0					2.96
12.250	0.00	0.05	0.123	0					2.96
12.333	0.00	0.05	0.122	0					2.95
12.417	0.00	0.05	0.122	0					2.94
12.500	0.00	0.05	0.122	0					2.94
12.583	0.00	0.05	0.121	0					2.93
12.667	0.00	0.04	0.121	0					2.92
12.750	0.00	0.04	0.121	0					2.92
12.833	0.00	0.04	0.121	0					2.91
12.917	0.00	0.04	0.120	0					2.91
13.000	0.00	0.04	0.120	0					2.90
13.083	0.00	0.04	0.120	0					2.89
13.167	0.00	0.04	0.119	0					2.89
13.250	0.00	0.04	0.119	0					2.88
13.333	0.00	0.04	0.119	0					2.88
13.417	0.00	0.04	0.119	0					2.87
13.500	0.00	0.04	0.118	0					2.87
13.583	0.00	0.04	0.118	0					2.86
13.667	0.00	0.04	0.118	0					2.85
13.750	0.00	0.04	0.117	0					2.85
13.833	0.00	0.04	0.117	0					2.84
13.917	0.00	0.04	0.117	0					2.84
14.000	0.00	0.04	0.117	0					2.83
14.083	0.00	0.04	0.116	0					2.83
14.167	0.00	0.04	0.116	0					2.82
14.250	0.00	0.04	0.116	0					2.82
14.333	0.00	0.04	0.116	0					2.81
14.417	0.00	0.03	0.115	0					2.81
14.500	0.00	0.03	0.115	0					2.80

14.583	0.00	0.03	0.115	0					2.80
14.667	0.00	0.03	0.115	0					2.80
14.750	0.00	0.03	0.115	0					2.79
14.833	0.00	0.03	0.114	0					2.79
14.917	0.00	0.03	0.114	0					2.79
15.000	0.00	0.03	0.114	0					2.78
15.083	0.00	0.03	0.114	0					2.78
15.167	0.00	0.03	0.114	0					2.78
15.250	0.00	0.02	0.113	0					2.77
15.333	0.00	0.02	0.113	0					2.77
15.417	0.00	0.02	0.113	0					2.77
15.500	0.00	0.02	0.113	0					2.77
15.583	0.00	0.02	0.113	0					2.76
15.667	0.00	0.02	0.113	0					2.76
15.750	0.00	0.02	0.113	0					2.76
15.833	0.00	0.02	0.112	0					2.76
15.917	0.00	0.02	0.112	0					2.75
16.000	0.00	0.02	0.112	0					2.75
16.083	0.00	0.02	0.112	0					2.75
16.167	0.00	0.02	0.112	0					2.75
16.250	0.00	0.02	0.112	0					2.75
16.333	0.00	0.02	0.112	0					2.74
16.417	0.00	0.02	0.112	0					2.74
16.500	0.00	0.02	0.111	0					2.74
16.583	0.00	0.02	0.111	0					2.74
16.667	0.00	0.02	0.111	0					2.74
16.750	0.00	0.02	0.111	0					2.73
16.833	0.00	0.02	0.111	0					2.73
16.917	0.00	0.02	0.111	0					2.73
17.000	0.00	0.02	0.111	0					2.73
17.083	0.00	0.02	0.111	0					2.72
17.167	0.00	0.02	0.111	0					2.72
17.250	0.00	0.02	0.110	0					2.72
17.333	0.00	0.02	0.110	0					2.72
17.417	0.00	0.02	0.110	0					2.72
17.500	0.00	0.02	0.110	0					2.71
17.583	0.00	0.02	0.110	0					2.71
17.667	0.00	0.02	0.110	0					2.71
17.750	0.00	0.02	0.110	0					2.71
17.833	0.00	0.02	0.110	0					2.70
17.917	0.00	0.02	0.110	0					2.70
18.000	0.00	0.02	0.109	0					2.70
18.083	0.00	0.02	0.109	0					2.70
18.167	0.00	0.02	0.109	0					2.70
18.250	0.00	0.02	0.109	0					2.69
18.333	0.00	0.02	0.109	0					2.69
18.417	0.00	0.02	0.109	0					2.69
18.500	0.00	0.02	0.109	0					2.69
18.583	0.00	0.02	0.109	0					2.68
18.667	0.00	0.02	0.109	0					2.68

18.750	0.00	0.02	0.108	0					2.68
18.833	0.00	0.02	0.108	0					2.68
18.917	0.00	0.02	0.108	0					2.68
19.000	0.00	0.02	0.108	0					2.67
19.083	0.00	0.02	0.108	0					2.67
19.167	0.00	0.02	0.108	0					2.67
19.250	0.00	0.02	0.108	0					2.67
19.333	0.00	0.02	0.108	0					2.66
19.417	0.00	0.02	0.108	0					2.66
19.500	0.00	0.02	0.107	0					2.66
19.583	0.00	0.02	0.107	0					2.66
19.667	0.00	0.02	0.107	0					2.65
19.750	0.00	0.02	0.107	0					2.65
19.833	0.00	0.02	0.107	0					2.65
19.917	0.00	0.02	0.107	0					2.65
20.000	0.00	0.02	0.107	0					2.65
20.083	0.00	0.02	0.107	0					2.64
20.167	0.00	0.02	0.106	0					2.64
20.250	0.00	0.02	0.106	0					2.64
20.333	0.00	0.02	0.106	0					2.64
20.417	0.00	0.02	0.106	0					2.63
20.500	0.00	0.02	0.106	0					2.63
20.583	0.00	0.02	0.106	0					2.63
20.667	0.00	0.02	0.106	0					2.63
20.750	0.00	0.02	0.106	0					2.62
20.833	0.00	0.02	0.106	0					2.62
20.917	0.00	0.02	0.105	0					2.62
21.000	0.00	0.02	0.105	0					2.62
21.083	0.00	0.02	0.105	0					2.62
21.167	0.00	0.02	0.105	0					2.61
21.250	0.00	0.02	0.105	0					2.61
21.333	0.00	0.02	0.105	0					2.61
21.417	0.00	0.02	0.105	0					2.61
21.500	0.00	0.02	0.105	0					2.60
21.583	0.00	0.02	0.104	0					2.60
21.667	0.00	0.02	0.104	0					2.60
21.750	0.00	0.02	0.104	0					2.60
21.833	0.00	0.02	0.104	0					2.59
21.917	0.00	0.02	0.104	0					2.59
22.000	0.00	0.02	0.104	0					2.59
22.083	0.00	0.02	0.104	0					2.59
22.167	0.00	0.02	0.104	0					2.59
22.250	0.00	0.02	0.104	0					2.58
22.333	0.00	0.02	0.103	0					2.58
22.417	0.00	0.02	0.103	0					2.58
22.500	0.00	0.02	0.103	0					2.58
22.583	0.00	0.02	0.103	0					2.57
22.667	0.00	0.02	0.103	0					2.57
22.750	0.00	0.02	0.103	0					2.57
22.833	0.00	0.02	0.103	0					2.57

22.917	0.00	0.02	0.103	0					2.56
23.000	0.00	0.02	0.102	0					2.56
23.083	0.00	0.02	0.102	0					2.56
23.167	0.00	0.02	0.102	0					2.56
23.250	0.00	0.02	0.102	0					2.55
23.333	0.00	0.02	0.102	0					2.55
23.417	0.00	0.02	0.102	0					2.55
23.500	0.00	0.02	0.102	0					2.55
23.583	0.00	0.02	0.102	0					2.54
23.667	0.00	0.02	0.101	0					2.54
23.750	0.00	0.02	0.101	0					2.54
23.833	0.00	0.02	0.101	0					2.54
23.917	0.00	0.02	0.101	0					2.54
24.000	0.00	0.02	0.101	0					2.53
24.083	0.00	0.02	0.101	0					2.53
24.167	0.00	0.02	0.101	0					2.53
24.250	0.00	0.02	0.101	0					2.53
24.333	0.00	0.02	0.101	0					2.52
24.417	0.00	0.02	0.100	0					2.52
24.500	0.00	0.02	0.100	0					2.52
24.583	0.00	0.02	0.100	0					2.52
24.667	0.00	0.02	0.100	0					2.51
24.750	0.00	0.02	0.100	0					2.51
24.833	0.00	0.02	0.100	0					2.51
24.917	0.00	0.02	0.100	0					2.51
25.000	0.00	0.02	0.100	0					2.50
25.083	0.00	0.02	0.099	0					2.50
25.167	0.00	0.02	0.099	0					2.50
25.250	0.00	0.02	0.099	0					2.50
25.333	0.00	0.02	0.099	0					2.49
25.417	0.00	0.02	0.099	0					2.49
25.500	0.00	0.02	0.099	0					2.49
25.583	0.00	0.02	0.099	0					2.49
25.667	0.00	0.02	0.099	0					2.48
25.750	0.00	0.02	0.098	0					2.48
25.833	0.00	0.02	0.098	0					2.48
25.917	0.00	0.02	0.098	0					2.48
26.000	0.00	0.02	0.098	0					2.47
26.083	0.00	0.02	0.098	0					2.47
26.167	0.00	0.02	0.098	0					2.47
26.250	0.00	0.02	0.098	0					2.47
26.333	0.00	0.02	0.098	0					2.46
26.417	0.00	0.02	0.097	0					2.46
26.500	0.00	0.02	0.097	0					2.46
26.583	0.00	0.02	0.097	0					2.46
26.667	0.00	0.02	0.097	0					2.45
26.750	0.00	0.02	0.097	0					2.45
26.833	0.00	0.02	0.097	0					2.45
26.917	0.00	0.02	0.097	0					2.45
27.000	0.00	0.02	0.097	0					2.44

27.083	0.00	0.02	0.096	0					2.44
27.167	0.00	0.02	0.096	0					2.44
27.250	0.00	0.02	0.096	0					2.44
27.333	0.00	0.02	0.096	0					2.43
27.417	0.00	0.02	0.096	0					2.43
27.500	0.00	0.02	0.096	0					2.43
27.583	0.00	0.02	0.096	0					2.43
27.667	0.00	0.02	0.095	0					2.42
27.750	0.00	0.02	0.095	0					2.42
27.833	0.00	0.02	0.095	0					2.42
27.917	0.00	0.02	0.095	0					2.42
28.000	0.00	0.02	0.095	0					2.41
28.083	0.00	0.02	0.095	0					2.41
28.167	0.00	0.02	0.095	0					2.41
28.250	0.00	0.02	0.095	0					2.41
28.333	0.00	0.02	0.094	0					2.40
28.417	0.00	0.02	0.094	0					2.40
28.500	0.00	0.02	0.094	0					2.40
28.583	0.00	0.02	0.094	0					2.40
28.667	0.00	0.02	0.094	0					2.39
28.750	0.00	0.02	0.094	0					2.39
28.833	0.00	0.02	0.094	0					2.39
28.917	0.00	0.02	0.094	0					2.39
29.000	0.00	0.02	0.093	0					2.38
29.083	0.00	0.02	0.093	0					2.38
29.167	0.00	0.02	0.093	0					2.38
29.250	0.00	0.02	0.093	0					2.38
29.333	0.00	0.02	0.093	0					2.37
29.417	0.00	0.02	0.093	0					2.37
29.500	0.00	0.02	0.093	0					2.37
29.583	0.00	0.02	0.093	0					2.37
29.667	0.00	0.02	0.092	0					2.36
29.750	0.00	0.02	0.092	0					2.36
29.833	0.00	0.02	0.092	0					2.36
29.917	0.00	0.02	0.092	0					2.35
30.000	0.00	0.02	0.092	0					2.35
30.083	0.00	0.02	0.092	0					2.35
30.167	0.00	0.02	0.092	0					2.35
30.250	0.00	0.02	0.091	0					2.34
30.333	0.00	0.02	0.091	0					2.34
30.417	0.00	0.02	0.091	0					2.34
30.500	0.00	0.02	0.091	0					2.34
30.583	0.00	0.02	0.091	0					2.33
30.667	0.00	0.02	0.091	0					2.33
30.750	0.00	0.02	0.091	0					2.33
30.833	0.00	0.02	0.091	0					2.33
30.917	0.00	0.02	0.090	0					2.32
31.000	0.00	0.02	0.090	0					2.32
31.083	0.00	0.02	0.090	0					2.32
31.167	0.00	0.02	0.090	0					2.32

31.250	0.00	0.02	0.090	0					2.31
31.333	0.00	0.02	0.090	0					2.31
31.417	0.00	0.02	0.090	0					2.31
31.500	0.00	0.02	0.089	0					2.30
31.583	0.00	0.02	0.089	0					2.30
31.667	0.00	0.02	0.089	0					2.30
31.750	0.00	0.02	0.089	0					2.30
31.833	0.00	0.02	0.089	0					2.29
31.917	0.00	0.02	0.089	0					2.29
32.000	0.00	0.02	0.089	0					2.29
32.083	0.00	0.02	0.089	0					2.29
32.167	0.00	0.02	0.088	0					2.28
32.250	0.00	0.02	0.088	0					2.28
32.333	0.00	0.02	0.088	0					2.28
32.417	0.00	0.02	0.088	0					2.28
32.500	0.00	0.02	0.088	0					2.27
32.583	0.00	0.02	0.088	0					2.27
32.667	0.00	0.02	0.088	0					2.27
32.750	0.00	0.02	0.087	0					2.26
32.833	0.00	0.02	0.087	0					2.26
32.917	0.00	0.02	0.087	0					2.26
33.000	0.00	0.02	0.087	0					2.26
33.083	0.00	0.02	0.087	0					2.25
33.167	0.00	0.02	0.087	0					2.25
33.250	0.00	0.02	0.087	0					2.25
33.333	0.00	0.02	0.086	0					2.25
33.417	0.00	0.02	0.086	0					2.24
33.500	0.00	0.02	0.086	0					2.24
33.583	0.00	0.02	0.086	0					2.24
33.667	0.00	0.02	0.086	0					2.23
33.750	0.00	0.02	0.086	0					2.23
33.833	0.00	0.02	0.086	0					2.23
33.917	0.00	0.02	0.085	0					2.23
34.000	0.00	0.02	0.085	0					2.22
34.083	0.00	0.02	0.085	0					2.22
34.167	0.00	0.02	0.085	0					2.22
34.250	0.00	0.02	0.085	0					2.22
34.333	0.00	0.02	0.085	0					2.21
34.417	0.00	0.02	0.085	0					2.21
34.500	0.00	0.02	0.085	0					2.21
34.583	0.00	0.02	0.084	0					2.20
34.667	0.00	0.02	0.084	0					2.20
34.750	0.00	0.02	0.084	0					2.20
34.833	0.00	0.02	0.084	0					2.20
34.917	0.00	0.02	0.084	0					2.19
35.000	0.00	0.02	0.084	0					2.19
35.083	0.00	0.02	0.084	0					2.19
35.167	0.00	0.02	0.083	0					2.19
35.250	0.00	0.02	0.083	0					2.18
35.333	0.00	0.02	0.083	0					2.18

35.417	0.00	0.02	0.083	0					2.18
35.500	0.00	0.02	0.083	0					2.17
35.583	0.00	0.02	0.083	0					2.17
35.667	0.00	0.02	0.083	0					2.17
35.750	0.00	0.02	0.082	0					2.17
35.833	0.00	0.02	0.082	0					2.16
35.917	0.00	0.02	0.082	0					2.16
36.000	0.00	0.02	0.082	0					2.16
36.083	0.00	0.02	0.082	0					2.15
36.167	0.00	0.02	0.082	0					2.15
36.250	0.00	0.02	0.082	0					2.15
36.333	0.00	0.02	0.081	0					2.15
36.417	0.00	0.02	0.081	0					2.14
36.500	0.00	0.02	0.081	0					2.14
36.583	0.00	0.02	0.081	0					2.14
36.667	0.00	0.02	0.081	0					2.13
36.750	0.00	0.02	0.081	0					2.13
36.833	0.00	0.02	0.081	0					2.13
36.917	0.00	0.02	0.080	0					2.13
37.000	0.00	0.02	0.080	0					2.12
37.083	0.00	0.02	0.080	0					2.12
37.167	0.00	0.02	0.080	0					2.12
37.250	0.00	0.02	0.080	0					2.11
37.333	0.00	0.02	0.080	0					2.11
37.417	0.00	0.02	0.080	0					2.11
37.500	0.00	0.02	0.079	0					2.11
37.583	0.00	0.02	0.079	0					2.10
37.667	0.00	0.02	0.079	0					2.10
37.750	0.00	0.02	0.079	0					2.10
37.833	0.00	0.02	0.079	0					2.09
37.917	0.00	0.02	0.079	0					2.09
38.000	0.00	0.02	0.078	0					2.09
38.083	0.00	0.02	0.078	0					2.09
38.167	0.00	0.02	0.078	0					2.08
38.250	0.00	0.02	0.078	0					2.08
38.333	0.00	0.02	0.078	0					2.08
38.417	0.00	0.02	0.078	0					2.07
38.500	0.00	0.02	0.078	0					2.07
38.583	0.00	0.02	0.077	0					2.07
38.667	0.00	0.02	0.077	0					2.07
38.750	0.00	0.02	0.077	0					2.06
38.833	0.00	0.02	0.077	0					2.06
38.917	0.00	0.02	0.077	0					2.06
39.000	0.00	0.02	0.077	0					2.05
39.083	0.00	0.02	0.077	0					2.05
39.167	0.00	0.02	0.076	0					2.05
39.250	0.00	0.02	0.076	0					2.04
39.333	0.00	0.02	0.076	0					2.04
39.417	0.00	0.02	0.076	0					2.04
39.500	0.00	0.02	0.076	0					2.04

39.583	0.00	0.02	0.076	0					2.03
39.667	0.00	0.02	0.076	0					2.03
39.750	0.00	0.02	0.075	0					2.03
39.833	0.00	0.02	0.075	0					2.02
39.917	0.00	0.02	0.075	0					2.02
40.000	0.00	0.02	0.075	0					2.02
40.083	0.00	0.02	0.075	0					2.02
40.167	0.00	0.02	0.075	0					2.01
40.250	0.00	0.02	0.074	0					2.01
40.333	0.00	0.02	0.074	0					2.01
40.417	0.00	0.02	0.074	0					2.00
40.500	0.00	0.02	0.074	0					2.00
40.583	0.00	0.02	0.074	0					2.00
40.667	0.00	0.02	0.074	0					1.99
40.750	0.00	0.02	0.074	0					1.99
40.833	0.00	0.02	0.073	0					1.99
40.917	0.00	0.02	0.073	0					1.98
41.000	0.00	0.02	0.073	0					1.98
41.083	0.00	0.02	0.073	0					1.98
41.167	0.00	0.02	0.073	0					1.97
41.250	0.00	0.02	0.073	0					1.97
41.333	0.00	0.02	0.073	0					1.97
41.417	0.00	0.02	0.072	0					1.96
41.500	0.00	0.02	0.072	0					1.96
41.583	0.00	0.02	0.072	0					1.96
41.667	0.00	0.02	0.072	0					1.95
41.750	0.00	0.02	0.072	0					1.95
41.833	0.00	0.02	0.072	0					1.95
41.917	0.00	0.02	0.071	0					1.94
42.000	0.00	0.02	0.071	0					1.94
42.083	0.00	0.02	0.071	0					1.94
42.167	0.00	0.02	0.071	0					1.93
42.250	0.00	0.02	0.071	0					1.93
42.333	0.00	0.02	0.071	0					1.93
42.417	0.00	0.02	0.071	0					1.93
42.500	0.00	0.02	0.070	0					1.92
42.583	0.00	0.02	0.070	0					1.92
42.667	0.00	0.02	0.070	0					1.92
42.750	0.00	0.02	0.070	0					1.91
42.833	0.00	0.02	0.070	0					1.91
42.917	0.00	0.02	0.070	0					1.91
43.000	0.00	0.02	0.070	0					1.90
43.083	0.00	0.02	0.069	0					1.90
43.167	0.00	0.02	0.069	0					1.90
43.250	0.00	0.02	0.069	0					1.89
43.333	0.00	0.02	0.069	0					1.89
43.417	0.00	0.02	0.069	0					1.89
43.500	0.00	0.02	0.069	0					1.88
43.583	0.00	0.02	0.068	0					1.88
43.667	0.00	0.02	0.068	0					1.88

43.750	0.00	0.02	0.068	0					1.87
43.833	0.00	0.02	0.068	0					1.87
43.917	0.00	0.02	0.068	0					1.87
44.000	0.00	0.02	0.068	0					1.86
44.083	0.00	0.02	0.068	0					1.86
44.167	0.00	0.02	0.067	0					1.86
44.250	0.00	0.02	0.067	0					1.85
44.333	0.00	0.02	0.067	0					1.85
44.417	0.00	0.02	0.067	0					1.85
44.500	0.00	0.02	0.067	0					1.85
44.583	0.00	0.02	0.067	0					1.84
44.667	0.00	0.02	0.067	0					1.84
44.750	0.00	0.02	0.066	0					1.84
44.833	0.00	0.02	0.066	0					1.83
44.917	0.00	0.02	0.066	0					1.83
45.000	0.00	0.02	0.066	0					1.83
45.083	0.00	0.02	0.066	0					1.82
45.167	0.00	0.02	0.066	0					1.82
45.250	0.00	0.02	0.066	0					1.82
45.333	0.00	0.02	0.065	0					1.81
45.417	0.00	0.02	0.065	0					1.81
45.500	0.00	0.02	0.065	0					1.81
45.583	0.00	0.02	0.065	0					1.80
45.667	0.00	0.02	0.065	0					1.80
45.750	0.00	0.02	0.065	0					1.80
45.833	0.00	0.02	0.065	0					1.80
45.917	0.00	0.02	0.064	0					1.79
46.000	0.00	0.02	0.064	0					1.79
46.083	0.00	0.02	0.064	0					1.79
46.167	0.00	0.02	0.064	0					1.78
46.250	0.00	0.02	0.064	0					1.78
46.333	0.00	0.02	0.064	0					1.78
46.417	0.00	0.02	0.064	0					1.77
46.500	0.00	0.02	0.063	0					1.77
46.583	0.00	0.02	0.063	0					1.77
46.667	0.00	0.02	0.063	0					1.76
46.750	0.00	0.02	0.063	0					1.76
46.833	0.00	0.02	0.063	0					1.76
46.917	0.00	0.02	0.063	0					1.76
47.000	0.00	0.02	0.063	0					1.75
47.083	0.00	0.02	0.062	0					1.75
47.167	0.00	0.02	0.062	0					1.75
47.250	0.00	0.02	0.062	0					1.74
47.333	0.00	0.02	0.062	0					1.74
47.417	0.00	0.02	0.062	0					1.74
47.500	0.00	0.02	0.062	0					1.73
47.583	0.00	0.02	0.062	0					1.73
47.667	0.00	0.02	0.061	0					1.73
47.750	0.00	0.02	0.061	0					1.72
47.833	0.00	0.02	0.061	0					1.72

47.917	0.00	0.02	0.061	0					1.72
48.000	0.00	0.02	0.061	0					1.72
48.083	0.00	0.02	0.061	0					1.71
48.167	0.00	0.02	0.061	0					1.71
48.250	0.00	0.02	0.060	0					1.71
48.333	0.00	0.02	0.060	0					1.70
48.417	0.00	0.02	0.060	0					1.70
48.500	0.00	0.02	0.060	0					1.70
48.583	0.00	0.02	0.060	0					1.69
48.667	0.00	0.02	0.060	0					1.69
48.750	0.00	0.02	0.060	0					1.69
48.833	0.00	0.02	0.060	0					1.69
48.917	0.00	0.02	0.059	0					1.68
49.000	0.00	0.02	0.059	0					1.68
49.083	0.00	0.02	0.059	0					1.68
49.167	0.00	0.02	0.059	0					1.67
49.250	0.00	0.02	0.059	0					1.67
49.333	0.00	0.02	0.059	0					1.67
49.417	0.00	0.02	0.059	0					1.66
49.500	0.00	0.02	0.058	0					1.66
49.583	0.00	0.02	0.058	0					1.66
49.667	0.00	0.02	0.058	0					1.66
49.750	0.00	0.02	0.058	0					1.65
49.833	0.00	0.02	0.058	0					1.65
49.917	0.00	0.02	0.058	0					1.65
50.000	0.00	0.02	0.058	0					1.64
50.083	0.00	0.02	0.057	0					1.64
50.167	0.00	0.02	0.057	0					1.64
50.250	0.00	0.02	0.057	0					1.63
50.333	0.00	0.02	0.057	0					1.63
50.417	0.00	0.02	0.057	0					1.63
50.500	0.00	0.02	0.057	0					1.63
50.583	0.00	0.02	0.057	0					1.62
50.667	0.00	0.02	0.057	0					1.62
50.750	0.00	0.02	0.056	0					1.62
50.833	0.00	0.02	0.056	0					1.61
50.917	0.00	0.02	0.056	0					1.61
51.000	0.00	0.02	0.056	0					1.61
51.083	0.00	0.02	0.056	0					1.60
51.167	0.00	0.02	0.056	0					1.60
51.250	0.00	0.02	0.056	0					1.60
51.333	0.00	0.02	0.055	0					1.60
51.417	0.00	0.02	0.055	0					1.59
51.500	0.00	0.02	0.055	0					1.59
51.583	0.00	0.02	0.055	0					1.59
51.667	0.00	0.02	0.055	0					1.58
51.750	0.00	0.02	0.055	0					1.58
51.833	0.00	0.02	0.055	0					1.58
51.917	0.00	0.02	0.054	0					1.58
52.000	0.00	0.02	0.054	0					1.57

52.083	0.00	0.02	0.054	0					1.57
52.167	0.00	0.02	0.054	0					1.57
52.250	0.00	0.02	0.054	0					1.56
52.333	0.00	0.02	0.054	0					1.56
52.417	0.00	0.02	0.054	0					1.56
52.500	0.00	0.02	0.054	0					1.56
52.583	0.00	0.02	0.053	0					1.55
52.667	0.00	0.02	0.053	0					1.55
52.750	0.00	0.02	0.053	0					1.55
52.833	0.00	0.02	0.053	0					1.54
52.917	0.00	0.02	0.053	0					1.54
53.000	0.00	0.02	0.053	0					1.54
53.083	0.00	0.02	0.053	0					1.54
53.167	0.00	0.02	0.052	0					1.53
53.250	0.00	0.02	0.052	0					1.53
53.333	0.00	0.02	0.052	0					1.53
53.417	0.00	0.02	0.052	0					1.52
53.500	0.00	0.02	0.052	0					1.52
53.583	0.00	0.02	0.052	0					1.52
53.667	0.00	0.02	0.052	0					1.52
53.750	0.00	0.02	0.052	0					1.51
53.833	0.00	0.02	0.051	0					1.51
53.917	0.00	0.02	0.051	0					1.51
54.000	0.00	0.02	0.051	0					1.50
54.083	0.00	0.02	0.051	0					1.50
54.167	0.00	0.02	0.051	0					1.50
54.250	0.00	0.02	0.051	0					1.50
54.333	0.00	0.02	0.051	0					1.49
54.417	0.00	0.02	0.051	0					1.49
54.500	0.00	0.02	0.050	0					1.49
54.583	0.00	0.02	0.050	0					1.48
54.667	0.00	0.02	0.050	0					1.48
54.750	0.00	0.02	0.050	0					1.48
54.833	0.00	0.02	0.050	0					1.48
54.917	0.00	0.02	0.050	0					1.47
55.000	0.00	0.02	0.050	0					1.47
55.083	0.00	0.02	0.049	0					1.47
55.167	0.00	0.02	0.049	0					1.46
55.250	0.00	0.02	0.049	0					1.46
55.333	0.00	0.02	0.049	0					1.46
55.417	0.00	0.02	0.049	0					1.46
55.500	0.00	0.02	0.049	0					1.45
55.583	0.00	0.02	0.049	0					1.45
55.667	0.00	0.02	0.049	0					1.45
55.750	0.00	0.02	0.048	0					1.44
55.833	0.00	0.02	0.048	0					1.44
55.917	0.00	0.02	0.048	0					1.44
56.000	0.00	0.02	0.048	0					1.44
56.083	0.00	0.02	0.048	0					1.43
56.167	0.00	0.02	0.048	0					1.43

56.250	0.00	0.02	0.048	0					1.43
56.333	0.00	0.02	0.048	0					1.42
56.417	0.00	0.02	0.047	0					1.42
56.500	0.00	0.02	0.047	0					1.42
56.583	0.00	0.02	0.047	0					1.42
56.667	0.00	0.02	0.047	0					1.41
56.750	0.00	0.02	0.047	0					1.41
56.833	0.00	0.02	0.047	0					1.41
56.917	0.00	0.02	0.047	0					1.41
57.000	0.00	0.02	0.047	0					1.40
57.083	0.00	0.02	0.046	0					1.40
57.167	0.00	0.02	0.046	0					1.40
57.250	0.00	0.02	0.046	0					1.39
57.333	0.00	0.02	0.046	0					1.39
57.417	0.00	0.02	0.046	0					1.39
57.500	0.00	0.02	0.046	0					1.39
57.583	0.00	0.02	0.046	0					1.38
57.667	0.00	0.02	0.046	0					1.38
57.750	0.00	0.02	0.045	0					1.38
57.833	0.00	0.02	0.045	0					1.38
57.917	0.00	0.02	0.045	0					1.37
58.000	0.00	0.02	0.045	0					1.37
58.083	0.00	0.02	0.045	0					1.37
58.167	0.00	0.02	0.045	0					1.36
58.250	0.00	0.02	0.045	0					1.36
58.333	0.00	0.02	0.045	0					1.36
58.417	0.00	0.02	0.044	0					1.36
58.500	0.00	0.02	0.044	0					1.35
58.583	0.00	0.02	0.044	0					1.35
58.667	0.00	0.02	0.044	0					1.35
58.750	0.00	0.02	0.044	0					1.35
58.833	0.00	0.02	0.044	0					1.34
58.917	0.00	0.02	0.044	0					1.34
59.000	0.00	0.02	0.044	0					1.34
59.083	0.00	0.02	0.043	0					1.33
59.167	0.00	0.02	0.043	0					1.33
59.250	0.00	0.02	0.043	0					1.33
59.333	0.00	0.02	0.043	0					1.33
59.417	0.00	0.02	0.043	0					1.32
59.500	0.00	0.02	0.043	0					1.32
59.583	0.00	0.02	0.043	0					1.32
59.667	0.00	0.02	0.043	0					1.32
59.750	0.00	0.02	0.042	0					1.31
59.833	0.00	0.02	0.042	0					1.31
59.917	0.00	0.02	0.042	0					1.31
60.000	0.00	0.02	0.042	0					1.31
60.083	0.00	0.02	0.042	0					1.30
60.167	0.00	0.02	0.042	0					1.30
60.250	0.00	0.02	0.042	0					1.30
60.333	0.00	0.02	0.042	0					1.29

60.417	0.00	0.02	0.041	0					1.29
60.500	0.00	0.02	0.041	0					1.29
60.583	0.00	0.02	0.041	0					1.29
60.667	0.00	0.02	0.041	0					1.28
60.750	0.00	0.02	0.041	0					1.28
60.833	0.00	0.02	0.041	0					1.28
60.917	0.00	0.02	0.041	0					1.28
61.000	0.00	0.02	0.041	0					1.27
61.083	0.00	0.02	0.040	0					1.27
61.167	0.00	0.02	0.040	0					1.27
61.250	0.00	0.02	0.040	0					1.27
61.333	0.00	0.02	0.040	0					1.26
61.417	0.00	0.02	0.040	0					1.26
61.500	0.00	0.02	0.040	0					1.26
61.583	0.00	0.02	0.040	0					1.25
61.667	0.00	0.02	0.040	0					1.25
61.750	0.00	0.02	0.039	0					1.25
61.833	0.00	0.02	0.039	0					1.25
61.917	0.00	0.02	0.039	0					1.24
62.000	0.00	0.02	0.039	0					1.24
62.083	0.00	0.02	0.039	0					1.24
62.167	0.00	0.02	0.039	0					1.24
62.250	0.00	0.02	0.039	0					1.23
62.333	0.00	0.02	0.039	0					1.23
62.417	0.00	0.02	0.039	0					1.23
62.500	0.00	0.02	0.038	0					1.23
62.583	0.00	0.02	0.038	0					1.22
62.667	0.00	0.02	0.038	0					1.22
62.750	0.00	0.02	0.038	0					1.22
62.833	0.00	0.02	0.038	0					1.22
62.917	0.00	0.02	0.038	0					1.21
63.000	0.00	0.02	0.038	0					1.21
63.083	0.00	0.02	0.038	0					1.21
63.167	0.00	0.02	0.037	0					1.21
63.250	0.00	0.02	0.037	0					1.20
63.333	0.00	0.02	0.037	0					1.20
63.417	0.00	0.02	0.037	0					1.20
63.500	0.00	0.02	0.037	0					1.20
63.583	0.00	0.02	0.037	0					1.19
63.667	0.00	0.02	0.037	0					1.19
63.750	0.00	0.02	0.037	0					1.19
63.833	0.00	0.02	0.036	0					1.18
63.917	0.00	0.02	0.036	0					1.18
64.000	0.00	0.02	0.036	0					1.18
64.083	0.00	0.02	0.036	0					1.18
64.167	0.00	0.02	0.036	0					1.17
64.250	0.00	0.02	0.036	0					1.17
64.333	0.00	0.02	0.036	0					1.17
64.417	0.00	0.02	0.036	0					1.17
64.500	0.00	0.02	0.036	0					1.16

64.583	0.00	0.02	0.035	0					1.16
64.667	0.00	0.02	0.035	0					1.16
64.750	0.00	0.02	0.035	0					1.16
64.833	0.00	0.02	0.035	0					1.15
64.917	0.00	0.02	0.035	0					1.15
65.000	0.00	0.02	0.035	0					1.15
65.083	0.00	0.02	0.035	0					1.15
65.167	0.00	0.02	0.035	0					1.14
65.250	0.00	0.02	0.035	0					1.14
65.333	0.00	0.02	0.034	0					1.14
65.417	0.00	0.02	0.034	0					1.14
65.500	0.00	0.02	0.034	0					1.13
65.583	0.00	0.02	0.034	0					1.13
65.667	0.00	0.02	0.034	0					1.13
65.750	0.00	0.02	0.034	0					1.13
65.833	0.00	0.02	0.034	0					1.12
65.917	0.00	0.02	0.034	0					1.12
66.000	0.00	0.02	0.033	0					1.12
66.083	0.00	0.02	0.033	0					1.12
66.167	0.00	0.02	0.033	0					1.11
66.250	0.00	0.02	0.033	0					1.11
66.333	0.00	0.02	0.033	0					1.11
66.417	0.00	0.02	0.033	0					1.11
66.500	0.00	0.02	0.033	0					1.10
66.583	0.00	0.02	0.033	0					1.10
66.667	0.00	0.02	0.033	0					1.10
66.750	0.00	0.02	0.032	0					1.10
66.833	0.00	0.02	0.032	0					1.09
66.917	0.00	0.02	0.032	0					1.09
67.000	0.00	0.02	0.032	0					1.09
67.083	0.00	0.02	0.032	0					1.09
67.167	0.00	0.02	0.032	0					1.08
67.250	0.00	0.02	0.032	0					1.08
67.333	0.00	0.02	0.032	0					1.08
67.417	0.00	0.02	0.032	0					1.08
67.500	0.00	0.02	0.031	0					1.07
67.583	0.00	0.02	0.031	0					1.07
67.667	0.00	0.02	0.031	0					1.07
67.750	0.00	0.02	0.031	0					1.07
67.833	0.00	0.02	0.031	0					1.06
67.917	0.00	0.02	0.031	0					1.06
68.000	0.00	0.02	0.031	0					1.06
68.083	0.00	0.02	0.031	0					1.06
68.167	0.00	0.02	0.031	0					1.05
68.250	0.00	0.02	0.030	0					1.05
68.333	0.00	0.02	0.030	0					1.05
68.417	0.00	0.02	0.030	0					1.05
68.500	0.00	0.02	0.030	0					1.04
68.583	0.00	0.02	0.030	0					1.04
68.667	0.00	0.02	0.030	0					1.04

68.750	0.00	0.02	0.030	0					1.04
68.833	0.00	0.02	0.030	0					1.04
68.917	0.00	0.02	0.030	0					1.03
69.000	0.00	0.02	0.029	0					1.03
69.083	0.00	0.02	0.029	0					1.03
69.167	0.00	0.02	0.029	0					1.03
69.250	0.00	0.02	0.029	0					1.02
69.333	0.00	0.02	0.029	0					1.02
69.417	0.00	0.02	0.029	0					1.02
69.500	0.00	0.02	0.029	0					1.02
69.583	0.00	0.02	0.029	0					1.01
69.667	0.00	0.02	0.029	0					1.01
69.750	0.00	0.02	0.028	0					1.01
69.833	0.00	0.02	0.028	0					1.01
69.917	0.00	0.02	0.028	0					1.00
70.000	0.00	0.02	0.028	0					1.00
70.083	0.00	0.02	0.028	0					1.00
70.167	0.00	0.02	0.028	0					0.99
70.250	0.00	0.02	0.028	0					0.99
70.333	0.00	0.02	0.028	0					0.99
70.417	0.00	0.02	0.028	0					0.98
70.500	0.00	0.02	0.027	0					0.98
70.583	0.00	0.02	0.027	0					0.97
70.667	0.00	0.02	0.027	0					0.97
70.750	0.00	0.02	0.027	0					0.97
70.833	0.00	0.02	0.027	0					0.96
70.917	0.00	0.02	0.027	0					0.96
71.000	0.00	0.02	0.027	0					0.96
71.083	0.00	0.02	0.027	0					0.95
71.167	0.00	0.02	0.027	0					0.95
71.250	0.00	0.02	0.026	0					0.94
71.333	0.00	0.02	0.026	0					0.94
71.417	0.00	0.02	0.026	0					0.94
71.500	0.00	0.02	0.026	0					0.93
71.583	0.00	0.02	0.026	0					0.93
71.667	0.00	0.02	0.026	0					0.92
71.750	0.00	0.02	0.026	0					0.92
71.833	0.00	0.02	0.026	0					0.92
71.917	0.00	0.02	0.026	0					0.91
72.000	0.00	0.02	0.025	0					0.91
72.083	0.00	0.02	0.025	0					0.91
72.167	0.00	0.02	0.025	0					0.90
72.250	0.00	0.02	0.025	0					0.90
72.333	0.00	0.02	0.025	0					0.89
72.417	0.00	0.02	0.025	0					0.89
72.500	0.00	0.02	0.025	0					0.89
72.583	0.00	0.02	0.025	0					0.88
72.667	0.00	0.01	0.025	0					0.88
72.750	0.00	0.01	0.025	0					0.88
72.833	0.00	0.01	0.024	0					0.87

72.917	0.00	0.01	0.024	0					0.87
73.000	0.00	0.01	0.024	0					0.86
73.083	0.00	0.01	0.024	0					0.86
73.167	0.00	0.01	0.024	0					0.86
73.250	0.00	0.01	0.024	0					0.85
73.333	0.00	0.01	0.024	0					0.85
73.417	0.00	0.01	0.024	0					0.85
73.500	0.00	0.01	0.024	0					0.84
73.583	0.00	0.01	0.024	0					0.84
73.667	0.00	0.01	0.023	0					0.83
73.750	0.00	0.01	0.023	0					0.83
73.833	0.00	0.01	0.023	0					0.83
73.917	0.00	0.01	0.023	0					0.82
74.000	0.00	0.01	0.023	0					0.82
74.083	0.00	0.01	0.023	0					0.82
74.167	0.00	0.01	0.023	0					0.81
74.250	0.00	0.01	0.023	0					0.81
74.333	0.00	0.01	0.023	0					0.81
74.417	0.00	0.01	0.023	0					0.80
74.500	0.00	0.01	0.022	0					0.80
74.583	0.00	0.01	0.022	0					0.80
74.667	0.00	0.01	0.022	0					0.79
74.750	0.00	0.01	0.022	0					0.79
74.833	0.00	0.01	0.022	0					0.78
74.917	0.00	0.01	0.022	0					0.78
75.000	0.00	0.01	0.022	0					0.78
75.083	0.00	0.01	0.022	0					0.77
75.167	0.00	0.01	0.022	0					0.77
75.250	0.00	0.01	0.022	0					0.77
75.333	0.00	0.01	0.021	0					0.76
75.417	0.00	0.01	0.021	0					0.76
75.500	0.00	0.01	0.021	0					0.76
75.583	0.00	0.01	0.021	0					0.75
75.667	0.00	0.01	0.021	0					0.75
75.750	0.00	0.01	0.021	0					0.75
75.833	0.00	0.01	0.021	0					0.74
75.917	0.00	0.01	0.021	0					0.74
76.000	0.00	0.01	0.021	0					0.74
76.083	0.00	0.01	0.021	0					0.73
76.167	0.00	0.01	0.021	0					0.73
76.250	0.00	0.01	0.020	0					0.73
76.333	0.00	0.01	0.020	0					0.72
76.417	0.00	0.01	0.020	0					0.72
76.500	0.00	0.01	0.020	0					0.72
76.583	0.00	0.01	0.020	0					0.71
76.667	0.00	0.01	0.020	0					0.71
76.750	0.00	0.01	0.020	0					0.71
76.833	0.00	0.01	0.020	0					0.70
76.917	0.00	0.01	0.020	0					0.70
77.000	0.00	0.01	0.020	0					0.70

77.083	0.00	0.01	0.019	0					0.69
77.167	0.00	0.01	0.019	0					0.69
77.250	0.00	0.01	0.019	0					0.69
77.333	0.00	0.01	0.019	0					0.68
77.417	0.00	0.01	0.019	0					0.68
77.500	0.00	0.01	0.019	0					0.68
77.583	0.00	0.01	0.019	0					0.67
77.667	0.00	0.01	0.019	0					0.67
77.750	0.00	0.01	0.019	0					0.67
77.833	0.00	0.01	0.019	0					0.66
77.917	0.00	0.01	0.019	0					0.66
78.000	0.00	0.01	0.018	0					0.66
78.083	0.00	0.01	0.018	0					0.65
78.167	0.00	0.01	0.018	0					0.65
78.250	0.00	0.01	0.018	0					0.65
78.333	0.00	0.01	0.018	0					0.64
78.417	0.00	0.01	0.018	0					0.64
78.500	0.00	0.01	0.018	0					0.64
78.583	0.00	0.01	0.018	0					0.63
78.667	0.00	0.01	0.018	0					0.63
78.750	0.00	0.01	0.018	0					0.63
78.833	0.00	0.01	0.018	0					0.62
78.917	0.00	0.01	0.018	0					0.62
79.000	0.00	0.01	0.017	0					0.62
79.083	0.00	0.01	0.017	0					0.61
79.167	0.00	0.01	0.017	0					0.61
79.250	0.00	0.01	0.017	0					0.61
79.333	0.00	0.01	0.017	0					0.60
79.417	0.00	0.01	0.017	0					0.60
79.500	0.00	0.01	0.017	0					0.60
79.583	0.00	0.01	0.017	0					0.60
79.667	0.00	0.01	0.017	0					0.59
79.750	0.00	0.01	0.017	0					0.59
79.833	0.00	0.01	0.017	0					0.59
79.917	0.00	0.01	0.016	0					0.58
80.000	0.00	0.01	0.016	0					0.58
80.083	0.00	0.01	0.016	0					0.58
80.167	0.00	0.01	0.016	0					0.57
80.250	0.00	0.01	0.016	0					0.57
80.333	0.00	0.01	0.016	0					0.57
80.417	0.00	0.01	0.016	0					0.56
80.500	0.00	0.01	0.016	0					0.56
80.583	0.00	0.01	0.016	0					0.56
80.667	0.00	0.01	0.016	0					0.56
80.750	0.00	0.01	0.016	0					0.55
80.833	0.00	0.01	0.016	0					0.55
80.917	0.00	0.01	0.015	0					0.55
81.000	0.00	0.01	0.015	0					0.54
81.083	0.00	0.01	0.015	0					0.54
81.167	0.00	0.01	0.015	0					0.54

81.250	0.00	0.01	0.015	0					0.53
81.333	0.00	0.01	0.015	0					0.53
81.417	0.00	0.01	0.015	0					0.53
81.500	0.00	0.01	0.015	0					0.53
81.583	0.00	0.01	0.015	0					0.52
81.667	0.00	0.01	0.015	0					0.52
81.750	0.00	0.01	0.015	0					0.52
81.833	0.00	0.01	0.015	0					0.51
81.917	0.00	0.01	0.014	0					0.51
82.000	0.00	0.01	0.014	0					0.51
82.083	0.00	0.01	0.014	0					0.50
82.167	0.00	0.01	0.014	0					0.50
82.250	0.00	0.01	0.014	0					0.50
82.333	0.00	0.01	0.014	0					0.50
82.417	0.00	0.01	0.014	0					0.49
82.500	0.00	0.01	0.014	0					0.49
82.583	0.00	0.01	0.014	0					0.49
82.667	0.00	0.01	0.014	0					0.48
82.750	0.00	0.01	0.014	0					0.48
82.833	0.00	0.01	0.014	0					0.48
82.917	0.00	0.01	0.013	0					0.48
83.000	0.00	0.01	0.013	0					0.47
83.083	0.00	0.01	0.013	0					0.47
83.167	0.00	0.01	0.013	0					0.47
83.250	0.00	0.01	0.013	0					0.46
83.333	0.00	0.01	0.013	0					0.46
83.417	0.00	0.01	0.013	0					0.46
83.500	0.00	0.01	0.013	0					0.46
83.583	0.00	0.01	0.013	0					0.45
83.667	0.00	0.01	0.013	0					0.45
83.750	0.00	0.01	0.013	0					0.45
83.833	0.00	0.01	0.013	0					0.44
83.917	0.00	0.01	0.013	0					0.44
84.000	0.00	0.01	0.012	0					0.44
84.083	0.00	0.01	0.012	0					0.44
84.167	0.00	0.01	0.012	0					0.43
84.250	0.00	0.01	0.012	0					0.43
84.333	0.00	0.01	0.012	0					0.43
84.417	0.00	0.01	0.012	0					0.42
84.500	0.00	0.01	0.012	0					0.42
84.583	0.00	0.01	0.012	0					0.42
84.667	0.00	0.01	0.012	0					0.42
84.750	0.00	0.01	0.012	0					0.41
84.833	0.00	0.01	0.012	0					0.41
84.917	0.00	0.01	0.012	0					0.41
85.000	0.00	0.01	0.012	0					0.41
85.083	0.00	0.01	0.011	0					0.40
85.167	0.00	0.01	0.011	0					0.40
85.250	0.00	0.01	0.011	0					0.40
85.333	0.00	0.01	0.011	0					0.39

85.417	0.00	0.01	0.011	0					0.39
85.500	0.00	0.01	0.011	0					0.39
85.583	0.00	0.01	0.011	0					0.39
85.667	0.00	0.01	0.011	0					0.38
85.750	0.00	0.01	0.011	0					0.38
85.833	0.00	0.01	0.011	0					0.38
85.917	0.00	0.01	0.011	0					0.38
86.000	0.00	0.01	0.011	0					0.37
86.083	0.00	0.01	0.011	0					0.37
86.167	0.00	0.01	0.011	0					0.37
86.250	0.00	0.01	0.010	0					0.37
86.333	0.00	0.01	0.010	0					0.36
86.417	0.00	0.01	0.010	0					0.36
86.500	0.00	0.01	0.010	0					0.36
86.583	0.00	0.01	0.010	0					0.35
86.667	0.00	0.01	0.010	0					0.35
86.750	0.00	0.01	0.010	0					0.35
86.833	0.00	0.01	0.010	0					0.35
86.917	0.00	0.01	0.010	0					0.34
87.000	0.00	0.01	0.010	0					0.34
87.083	0.00	0.01	0.010	0					0.34
87.167	0.00	0.01	0.010	0					0.34
87.250	0.00	0.01	0.010	0					0.33
87.333	0.00	0.01	0.010	0					0.33
87.417	0.00	0.01	0.009	0					0.33
87.500	0.00	0.01	0.009	0					0.33
87.583	0.00	0.01	0.009	0					0.32
87.667	0.00	0.01	0.009	0					0.32
87.750	0.00	0.01	0.009	0					0.32
87.833	0.00	0.01	0.009	0					0.32
87.917	0.00	0.01	0.009	0					0.31
88.000	0.00	0.01	0.009	0					0.31
88.083	0.00	0.01	0.009	0					0.31
88.167	0.00	0.01	0.009	0					0.31
88.250	0.00	0.01	0.009	0					0.30
88.333	0.00	0.01	0.009	0					0.30
88.417	0.00	0.01	0.009	0					0.30
88.500	0.00	0.01	0.009	0					0.30
88.583	0.00	0.01	0.008	0					0.29
88.667	0.00	0.01	0.008	0					0.29
88.750	0.00	0.01	0.008	0					0.29
88.833	0.00	0.01	0.008	0					0.29
88.917	0.00	0.01	0.008	0					0.28
89.000	0.00	0.01	0.008	0					0.28
89.083	0.00	0.01	0.008	0					0.28
89.167	0.00	0.01	0.008	0					0.28
89.250	0.00	0.01	0.008	0					0.27
89.333	0.00	0.01	0.008	0					0.27
89.417	0.00	0.01	0.008	0					0.27
89.500	0.00	0.01	0.008	0					0.27

89.583	0.00	0.01	0.008	0					0.26
89.667	0.00	0.01	0.008	0					0.26
89.750	0.00	0.01	0.008	0					0.26
89.833	0.00	0.01	0.007	0					0.26
89.917	0.00	0.01	0.007	0					0.25
90.000	0.00	0.01	0.007	0					0.25
90.083	0.00	0.01	0.007	0					0.25
90.167	0.00	0.01	0.007	0					0.25
90.250	0.00	0.01	0.007	0					0.24
90.333	0.00	0.01	0.007	0					0.24
90.417	0.00	0.01	0.007	0					0.24
90.500	0.00	0.01	0.007	0					0.24
90.583	0.00	0.01	0.007	0					0.24
90.667	0.00	0.01	0.007	0					0.23
90.750	0.00	0.01	0.007	0					0.23
90.833	0.00	0.01	0.007	0					0.23
90.917	0.00	0.01	0.007	0					0.23
91.000	0.00	0.01	0.007	0					0.22
91.083	0.00	0.01	0.006	0					0.22
91.167	0.00	0.01	0.006	0					0.22
91.250	0.00	0.01	0.006	0					0.22
91.333	0.00	0.01	0.006	0					0.21
91.417	0.00	0.01	0.006	0					0.21
91.500	0.00	0.01	0.006	0					0.21
91.583	0.00	0.01	0.006	0					0.21
91.667	0.00	0.01	0.006	0					0.20
91.750	0.00	0.01	0.006	0					0.20
91.833	0.00	0.01	0.006	0					0.20
91.917	0.00	0.01	0.006	0					0.20
92.000	0.00	0.01	0.006	0					0.20
92.083	0.00	0.01	0.006	0					0.19
92.167	0.00	0.01	0.006	0					0.19
92.250	0.00	0.01	0.006	0					0.19
92.333	0.00	0.01	0.006	0					0.19
92.417	0.00	0.01	0.005	0					0.18
92.500	0.00	0.01	0.005	0					0.18
92.583	0.00	0.01	0.005	0					0.18
92.667	0.00	0.01	0.005	0					0.18
92.750	0.00	0.01	0.005	0					0.18
92.833	0.00	0.01	0.005	0					0.17
92.917	0.00	0.01	0.005	0					0.17
93.000	0.00	0.01	0.005	0					0.17
93.083	0.00	0.01	0.005	0					0.17
93.167	0.00	0.01	0.005	0					0.16
93.250	0.00	0.01	0.005	0					0.16
93.333	0.00	0.01	0.005	0					0.16
93.417	0.00	0.01	0.005	0					0.16
93.500	0.00	0.01	0.005	0					0.16
93.583	0.00	0.01	0.005	0					0.15
93.667	0.00	0.01	0.005	0					0.15

93.750	0.00	0.01	0.004	0					0.15
93.833	0.00	0.01	0.004	0					0.15
93.917	0.00	0.01	0.004	0					0.14
94.000	0.00	0.01	0.004	0					0.14
94.083	0.00	0.01	0.004	0					0.14
94.167	0.00	0.01	0.004	0					0.14
94.250	0.00	0.01	0.004	0					0.14
94.333	0.00	0.01	0.004	0					0.13
94.417	0.00	0.01	0.004	0					0.13
94.500	0.00	0.01	0.004	0					0.13
94.583	0.00	0.01	0.004	0					0.13
94.667	0.00	0.01	0.004	0					0.13
94.750	0.00	0.01	0.004	0					0.12
94.833	0.00	0.01	0.004	0					0.12
94.917	0.00	0.01	0.004	0					0.12
95.000	0.00	0.01	0.004	0					0.12
95.083	0.00	0.01	0.004	0					0.11
95.167	0.00	0.01	0.003	0					0.11
95.250	0.00	0.01	0.003	0					0.11
95.333	0.00	0.01	0.003	0					0.11
95.417	0.00	0.01	0.003	0					0.11
95.500	0.00	0.01	0.003	0					0.10
95.583	0.00	0.01	0.003	0					0.10
95.667	0.00	0.01	0.003	0					0.10
95.750	0.00	0.01	0.003	0					0.10
95.833	0.00	0.01	0.003	0					0.10
95.917	0.00	0.01	0.003	0					0.09
96.000	0.00	0.01	0.003	0					0.09
96.083	0.00	0.01	0.003	0					0.09
96.167	0.00	0.01	0.003	0					0.09
96.250	0.00	0.01	0.003	0					0.09
96.333	0.00	0.01	0.003	0					0.08
96.417	0.00	0.01	0.003	0					0.08
96.500	0.00	0.01	0.003	0					0.08
96.583	0.00	0.01	0.002	0					0.08
96.667	0.00	0.01	0.002	0					0.08
96.750	0.00	0.01	0.002	0					0.07
96.833	0.00	0.01	0.002	0					0.07
96.917	0.00	0.01	0.002	0					0.07
97.000	0.00	0.01	0.002	0					0.07
97.083	0.00	0.01	0.002	0					0.07
97.167	0.00	0.01	0.002	0					0.06
97.250	0.00	0.01	0.002	0					0.06
97.333	0.00	0.01	0.002	0					0.06
97.417	0.00	0.01	0.002	0					0.06
97.500	0.00	0.01	0.002	0					0.06
97.583	0.00	0.01	0.002	0					0.05
97.667	0.00	0.01	0.002	0					0.05
97.750	0.00	0.01	0.002	0					0.05
97.833	0.00	0.01	0.002	0					0.05

97.917	0.00	0.01	0.002	0					0.05
98.000	0.00	0.01	0.002	0					0.05
98.083	0.00	0.01	0.002	0					0.05
98.167	0.00	0.01	0.002	0					0.05
98.250	0.00	0.01	0.001	0					0.04
98.333	0.00	0.01	0.001	0					0.04
98.417	0.00	0.01	0.001	0					0.04
98.500	0.00	0.01	0.001	0					0.04
98.583	0.00	0.01	0.001	0					0.04
98.667	0.00	0.01	0.001	0					0.04
98.750	0.00	0.00	0.001	0					0.04
98.833	0.00	0.00	0.001	0					0.04
98.917	0.00	0.00	0.001	0					0.04
99.000	0.00	0.00	0.001	0					0.03
99.083	0.00	0.00	0.001	0					0.03
99.167	0.00	0.00	0.001	0					0.03
99.250	0.00	0.00	0.001	0					0.03
99.333	0.00	0.00	0.001	0					0.03
99.417	0.00	0.00	0.001	0					0.03
99.500	0.00	0.00	0.001	0					0.03
99.583	0.00	0.00	0.001	0					0.03
99.667	0.00	0.00	0.001	0					0.03
99.750	0.00	0.00	0.001	0					0.03
99.833	0.00	0.00	0.001	0					0.03
99.917	0.00	0.00	0.001	0					0.03
100.000	0.00	0.00	0.001	0					0.02
100.083	0.00	0.00	0.001	0					0.02
100.167	0.00	0.00	0.001	0					0.02
100.250	0.00	0.00	0.001	0					0.02
100.333	0.00	0.00	0.001	0					0.02
100.417	0.00	0.00	0.001	0					0.02
100.500	0.00	0.00	0.001	0					0.02
100.583	0.00	0.00	0.001	0					0.02
100.667	0.00	0.00	0.001	0					0.02
100.750	0.00	0.00	0.001	0					0.02
100.833	0.00	0.00	0.001	0					0.02
100.917	0.00	0.00	0.001	0					0.02
101.000	0.00	0.00	0.001	0					0.02
101.083	0.00	0.00	0.001	0					0.02
101.167	0.00	0.00	0.001	0					0.02
101.250	0.00	0.00	0.001	0					0.02
101.333	0.00	0.00	0.001	0					0.02
101.417	0.00	0.00	0.001	0					0.02
101.500	0.00	0.00	0.000	0					0.01
101.583	0.00	0.00	0.000	0					0.01
101.667	0.00	0.00	0.000	0					0.01
101.750	0.00	0.00	0.000	0					0.01
101.833	0.00	0.00	0.000	0					0.01
101.917	0.00	0.00	0.000	0					0.01
102.000	0.00	0.00	0.000	0					0.01

102.083	0.00	0.00	0.000	0					0.01
102.167	0.00	0.00	0.000	0					0.01
102.250	0.00	0.00	0.000	0					0.01
102.333	0.00	0.00	0.000	0					0.01
102.417	0.00	0.00	0.000	0					0.01
102.500	0.00	0.00	0.000	0					0.01
102.583	0.00	0.00	0.000	0					0.01
102.667	0.00	0.00	0.000	0					0.01
102.750	0.00	0.00	0.000	0					0.01
102.833	0.00	0.00	0.000	0					0.01
102.917	0.00	0.00	0.000	0					0.01
103.000	0.00	0.00	0.000	0					0.01
103.083	0.00	0.00	0.000	0					0.01
103.167	0.00	0.00	0.000	0					0.01
103.250	0.00	0.00	0.000	0					0.01
103.333	0.00	0.00	0.000	0					0.01
103.417	0.00	0.00	0.000	0					0.01
103.500	0.00	0.00	0.000	0					0.01
103.583	0.00	0.00	0.000	0					0.01
103.667	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1244

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.109 (CFS)

Total volume = 0.178 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
100 yr
1 yr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da11100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.969 (CFS)
Total volume = 0.118 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.0	1.98	2.98	3.97	Depth (Ft.)
0.083	0.43	0.01	0.001	0 I					0.04
0.167	0.67	0.01	0.005	0 I					0.17
0.250	0.78	0.01	0.010	0 I					0.35
0.333	0.82	0.01	0.016	0 I					0.55
0.417	0.92	0.01	0.021	0 I					0.76
0.500	1.04	0.02	0.028	0 I					1.00
0.583	1.19	0.02	0.036	0 I					1.17
0.667	1.38	0.02	0.044	0 I					1.36
0.750	1.87	0.02	0.055	0 I		I			1.60
0.833	3.97	0.02	0.075	0 I				I	2.03
0.917	2.54	0.02	0.098	0 I		I			2.47
1.000	1.10	0.02	0.110	0 I	I				2.71
1.083	0.33	0.03	0.115	0 I					2.80
1.167	0.03	0.04	0.116	0 I					2.82
1.250	0.00	0.04	0.116	0 I					2.82
1.333	0.00	0.03	0.116	0 I					2.81
1.417	0.00	0.03	0.115	0 I					2.81
1.500	0.00	0.03	0.115	0 I					2.80
1.583	0.00	0.03	0.115	0 I					2.80
1.667	0.00	0.03	0.115	0 I					2.79
1.750	0.00	0.03	0.114	0 I					2.79
1.833	0.00	0.03	0.114	0 I					2.79
1.917	0.00	0.03	0.114	0 I					2.78
2.000	0.00	0.03	0.114	0 I					2.78

2.083	0.00	0.03	0.114	0					2.78
2.167	0.00	0.02	0.113	0					2.77
2.250	0.00	0.02	0.113	0					2.77
2.333	0.00	0.02	0.113	0					2.77
2.417	0.00	0.02	0.113	0					2.77
2.500	0.00	0.02	0.113	0					2.76
2.583	0.00	0.02	0.113	0					2.76
2.667	0.00	0.02	0.113	0					2.76
2.750	0.00	0.02	0.112	0					2.76
2.833	0.00	0.02	0.112	0					2.75
2.917	0.00	0.02	0.112	0					2.75
3.000	0.00	0.02	0.112	0					2.75
3.083	0.00	0.02	0.112	0					2.75
3.167	0.00	0.02	0.112	0					2.75
3.250	0.00	0.02	0.112	0					2.74
3.333	0.00	0.02	0.112	0					2.74
3.417	0.00	0.02	0.111	0					2.74
3.500	0.00	0.02	0.111	0					2.74
3.583	0.00	0.02	0.111	0					2.74
3.667	0.00	0.02	0.111	0					2.73
3.750	0.00	0.02	0.111	0					2.73
3.833	0.00	0.02	0.111	0					2.73
3.917	0.00	0.02	0.111	0					2.73
4.000	0.00	0.02	0.111	0					2.72
4.083	0.00	0.02	0.111	0					2.72
4.167	0.00	0.02	0.110	0					2.72
4.250	0.00	0.02	0.110	0					2.72
4.333	0.00	0.02	0.110	0					2.72
4.417	0.00	0.02	0.110	0					2.71
4.500	0.00	0.02	0.110	0					2.71
4.583	0.00	0.02	0.110	0					2.71
4.667	0.00	0.02	0.110	0					2.71
4.750	0.00	0.02	0.110	0					2.70
4.833	0.00	0.02	0.110	0					2.70
4.917	0.00	0.02	0.109	0					2.70
5.000	0.00	0.02	0.109	0					2.70
5.083	0.00	0.02	0.109	0					2.70
5.167	0.00	0.02	0.109	0					2.69
5.250	0.00	0.02	0.109	0					2.69
5.333	0.00	0.02	0.109	0					2.69
5.417	0.00	0.02	0.109	0					2.69
5.500	0.00	0.02	0.109	0					2.68
5.583	0.00	0.02	0.109	0					2.68
5.667	0.00	0.02	0.108	0					2.68
5.750	0.00	0.02	0.108	0					2.68
5.833	0.00	0.02	0.108	0					2.68
5.917	0.00	0.02	0.108	0					2.67
6.000	0.00	0.02	0.108	0					2.67
6.083	0.00	0.02	0.108	0					2.67
6.167	0.00	0.02	0.108	0					2.67

6.250	0.00	0.02	0.108	0					2.66
6.333	0.00	0.02	0.108	0					2.66
6.417	0.00	0.02	0.107	0					2.66
6.500	0.00	0.02	0.107	0					2.66
6.583	0.00	0.02	0.107	0					2.66
6.667	0.00	0.02	0.107	0					2.65
6.750	0.00	0.02	0.107	0					2.65
6.833	0.00	0.02	0.107	0					2.65
6.917	0.00	0.02	0.107	0					2.65
7.000	0.00	0.02	0.107	0					2.64
7.083	0.00	0.02	0.107	0					2.64
7.167	0.00	0.02	0.106	0					2.64
7.250	0.00	0.02	0.106	0					2.64
7.333	0.00	0.02	0.106	0					2.63
7.417	0.00	0.02	0.106	0					2.63
7.500	0.00	0.02	0.106	0					2.63
7.583	0.00	0.02	0.106	0					2.63
7.667	0.00	0.02	0.106	0					2.63
7.750	0.00	0.02	0.106	0					2.62
7.833	0.00	0.02	0.105	0					2.62
7.917	0.00	0.02	0.105	0					2.62
8.000	0.00	0.02	0.105	0					2.62
8.083	0.00	0.02	0.105	0					2.61
8.167	0.00	0.02	0.105	0					2.61
8.250	0.00	0.02	0.105	0					2.61
8.333	0.00	0.02	0.105	0					2.61
8.417	0.00	0.02	0.105	0					2.60
8.500	0.00	0.02	0.105	0					2.60
8.583	0.00	0.02	0.104	0					2.60
8.667	0.00	0.02	0.104	0					2.60
8.750	0.00	0.02	0.104	0					2.60
8.833	0.00	0.02	0.104	0					2.59
8.917	0.00	0.02	0.104	0					2.59
9.000	0.00	0.02	0.104	0					2.59
9.083	0.00	0.02	0.104	0					2.59
9.167	0.00	0.02	0.104	0					2.58
9.250	0.00	0.02	0.103	0					2.58
9.333	0.00	0.02	0.103	0					2.58
9.417	0.00	0.02	0.103	0					2.58
9.500	0.00	0.02	0.103	0					2.57
9.583	0.00	0.02	0.103	0					2.57
9.667	0.00	0.02	0.103	0					2.57
9.750	0.00	0.02	0.103	0					2.57
9.833	0.00	0.02	0.103	0					2.56
9.917	0.00	0.02	0.102	0					2.56
10.000	0.00	0.02	0.102	0					2.56
10.083	0.00	0.02	0.102	0					2.56
10.167	0.00	0.02	0.102	0					2.55
10.250	0.00	0.02	0.102	0					2.55
10.333	0.00	0.02	0.102	0					2.55

10.417	0.00	0.02	0.102	0					2.55
10.500	0.00	0.02	0.102	0					2.55
10.583	0.00	0.02	0.102	0					2.54
10.667	0.00	0.02	0.101	0					2.54
10.750	0.00	0.02	0.101	0					2.54
10.833	0.00	0.02	0.101	0					2.54
10.917	0.00	0.02	0.101	0					2.53
11.000	0.00	0.02	0.101	0					2.53
11.083	0.00	0.02	0.101	0					2.53
11.167	0.00	0.02	0.101	0					2.53
11.250	0.00	0.02	0.101	0					2.52
11.333	0.00	0.02	0.100	0					2.52
11.417	0.00	0.02	0.100	0					2.52
11.500	0.00	0.02	0.100	0					2.52
11.583	0.00	0.02	0.100	0					2.51
11.667	0.00	0.02	0.100	0					2.51
11.750	0.00	0.02	0.100	0					2.51
11.833	0.00	0.02	0.100	0					2.51
11.917	0.00	0.02	0.100	0					2.50
12.000	0.00	0.02	0.099	0					2.50
12.083	0.00	0.02	0.099	0					2.50
12.167	0.00	0.02	0.099	0					2.50
12.250	0.00	0.02	0.099	0					2.49
12.333	0.00	0.02	0.099	0					2.49
12.417	0.00	0.02	0.099	0					2.49
12.500	0.00	0.02	0.099	0					2.49
12.583	0.00	0.02	0.099	0					2.48
12.667	0.00	0.02	0.098	0					2.48
12.750	0.00	0.02	0.098	0					2.48
12.833	0.00	0.02	0.098	0					2.48
12.917	0.00	0.02	0.098	0					2.47
13.000	0.00	0.02	0.098	0					2.47
13.083	0.00	0.02	0.098	0					2.47
13.167	0.00	0.02	0.098	0					2.47
13.250	0.00	0.02	0.098	0					2.46
13.333	0.00	0.02	0.097	0					2.46
13.417	0.00	0.02	0.097	0					2.46
13.500	0.00	0.02	0.097	0					2.46
13.583	0.00	0.02	0.097	0					2.45
13.667	0.00	0.02	0.097	0					2.45
13.750	0.00	0.02	0.097	0					2.45
13.833	0.00	0.02	0.097	0					2.45
13.917	0.00	0.02	0.097	0					2.44
14.000	0.00	0.02	0.096	0					2.44
14.083	0.00	0.02	0.096	0					2.44
14.167	0.00	0.02	0.096	0					2.44
14.250	0.00	0.02	0.096	0					2.43
14.333	0.00	0.02	0.096	0					2.43
14.417	0.00	0.02	0.096	0					2.43
14.500	0.00	0.02	0.096	0					2.43

14.583	0.00	0.02	0.096	0					2.42
14.667	0.00	0.02	0.095	0					2.42
14.750	0.00	0.02	0.095	0					2.42
14.833	0.00	0.02	0.095	0					2.42
14.917	0.00	0.02	0.095	0					2.41
15.000	0.00	0.02	0.095	0					2.41
15.083	0.00	0.02	0.095	0					2.41
15.167	0.00	0.02	0.095	0					2.41
15.250	0.00	0.02	0.094	0					2.40
15.333	0.00	0.02	0.094	0					2.40
15.417	0.00	0.02	0.094	0					2.40
15.500	0.00	0.02	0.094	0					2.40
15.583	0.00	0.02	0.094	0					2.39
15.667	0.00	0.02	0.094	0					2.39
15.750	0.00	0.02	0.094	0					2.39
15.833	0.00	0.02	0.094	0					2.39
15.917	0.00	0.02	0.093	0					2.38
16.000	0.00	0.02	0.093	0					2.38
16.083	0.00	0.02	0.093	0					2.38
16.167	0.00	0.02	0.093	0					2.38
16.250	0.00	0.02	0.093	0					2.37
16.333	0.00	0.02	0.093	0					2.37
16.417	0.00	0.02	0.093	0					2.37
16.500	0.00	0.02	0.093	0					2.37
16.583	0.00	0.02	0.092	0					2.36
16.667	0.00	0.02	0.092	0					2.36
16.750	0.00	0.02	0.092	0					2.36
16.833	0.00	0.02	0.092	0					2.36
16.917	0.00	0.02	0.092	0					2.35
17.000	0.00	0.02	0.092	0					2.35
17.083	0.00	0.02	0.092	0					2.35
17.167	0.00	0.02	0.091	0					2.34
17.250	0.00	0.02	0.091	0					2.34
17.333	0.00	0.02	0.091	0					2.34
17.417	0.00	0.02	0.091	0					2.34
17.500	0.00	0.02	0.091	0					2.33
17.583	0.00	0.02	0.091	0					2.33
17.667	0.00	0.02	0.091	0					2.33
17.750	0.00	0.02	0.091	0					2.33
17.833	0.00	0.02	0.090	0					2.32
17.917	0.00	0.02	0.090	0					2.32
18.000	0.00	0.02	0.090	0					2.32
18.083	0.00	0.02	0.090	0					2.32
18.167	0.00	0.02	0.090	0					2.31
18.250	0.00	0.02	0.090	0					2.31
18.333	0.00	0.02	0.090	0					2.31
18.417	0.00	0.02	0.089	0					2.31
18.500	0.00	0.02	0.089	0					2.30
18.583	0.00	0.02	0.089	0					2.30
18.667	0.00	0.02	0.089	0					2.30

18.750	0.00	0.02	0.089	0					2.29
18.833	0.00	0.02	0.089	0					2.29
18.917	0.00	0.02	0.089	0					2.29
19.000	0.00	0.02	0.089	0					2.29
19.083	0.00	0.02	0.088	0					2.28
19.167	0.00	0.02	0.088	0					2.28
19.250	0.00	0.02	0.088	0					2.28
19.333	0.00	0.02	0.088	0					2.28
19.417	0.00	0.02	0.088	0					2.27
19.500	0.00	0.02	0.088	0					2.27
19.583	0.00	0.02	0.088	0					2.27
19.667	0.00	0.02	0.087	0					2.27
19.750	0.00	0.02	0.087	0					2.26
19.833	0.00	0.02	0.087	0					2.26
19.917	0.00	0.02	0.087	0					2.26
20.000	0.00	0.02	0.087	0					2.25
20.083	0.00	0.02	0.087	0					2.25
20.167	0.00	0.02	0.087	0					2.25
20.250	0.00	0.02	0.086	0					2.25
20.333	0.00	0.02	0.086	0					2.24
20.417	0.00	0.02	0.086	0					2.24
20.500	0.00	0.02	0.086	0					2.24
20.583	0.00	0.02	0.086	0					2.24
20.667	0.00	0.02	0.086	0					2.23
20.750	0.00	0.02	0.086	0					2.23
20.833	0.00	0.02	0.086	0					2.23
20.917	0.00	0.02	0.085	0					2.22
21.000	0.00	0.02	0.085	0					2.22
21.083	0.00	0.02	0.085	0					2.22
21.167	0.00	0.02	0.085	0					2.22
21.250	0.00	0.02	0.085	0					2.21
21.333	0.00	0.02	0.085	0					2.21
21.417	0.00	0.02	0.085	0					2.21
21.500	0.00	0.02	0.084	0					2.21
21.583	0.00	0.02	0.084	0					2.20
21.667	0.00	0.02	0.084	0					2.20
21.750	0.00	0.02	0.084	0					2.20
21.833	0.00	0.02	0.084	0					2.19
21.917	0.00	0.02	0.084	0					2.19
22.000	0.00	0.02	0.084	0					2.19
22.083	0.00	0.02	0.083	0					2.19
22.167	0.00	0.02	0.083	0					2.18
22.250	0.00	0.02	0.083	0					2.18
22.333	0.00	0.02	0.083	0					2.18
22.417	0.00	0.02	0.083	0					2.17
22.500	0.00	0.02	0.083	0					2.17
22.583	0.00	0.02	0.083	0					2.17
22.667	0.00	0.02	0.082	0					2.17
22.750	0.00	0.02	0.082	0					2.16
22.833	0.00	0.02	0.082	0					2.16

22.917	0.00	0.02	0.082	0					2.16
23.000	0.00	0.02	0.082	0					2.15
23.083	0.00	0.02	0.082	0					2.15
23.167	0.00	0.02	0.082	0					2.15
23.250	0.00	0.02	0.081	0					2.15
23.333	0.00	0.02	0.081	0					2.14
23.417	0.00	0.02	0.081	0					2.14
23.500	0.00	0.02	0.081	0					2.14
23.583	0.00	0.02	0.081	0					2.13
23.667	0.00	0.02	0.081	0					2.13
23.750	0.00	0.02	0.081	0					2.13
23.833	0.00	0.02	0.080	0					2.13
23.917	0.00	0.02	0.080	0					2.12
24.000	0.00	0.02	0.080	0					2.12
24.083	0.00	0.02	0.080	0					2.12
24.167	0.00	0.02	0.080	0					2.11
24.250	0.00	0.02	0.080	0					2.11
24.333	0.00	0.02	0.080	0					2.11
24.417	0.00	0.02	0.079	0					2.11
24.500	0.00	0.02	0.079	0					2.10
24.583	0.00	0.02	0.079	0					2.10
24.667	0.00	0.02	0.079	0					2.10
24.750	0.00	0.02	0.079	0					2.09
24.833	0.00	0.02	0.079	0					2.09
24.917	0.00	0.02	0.079	0					2.09
25.000	0.00	0.02	0.078	0					2.09
25.083	0.00	0.02	0.078	0					2.08
25.167	0.00	0.02	0.078	0					2.08
25.250	0.00	0.02	0.078	0					2.08
25.333	0.00	0.02	0.078	0					2.07
25.417	0.00	0.02	0.078	0					2.07
25.500	0.00	0.02	0.077	0					2.07
25.583	0.00	0.02	0.077	0					2.07
25.667	0.00	0.02	0.077	0					2.06
25.750	0.00	0.02	0.077	0					2.06
25.833	0.00	0.02	0.077	0					2.06
25.917	0.00	0.02	0.077	0					2.05
26.000	0.00	0.02	0.077	0					2.05
26.083	0.00	0.02	0.076	0					2.05
26.167	0.00	0.02	0.076	0					2.05
26.250	0.00	0.02	0.076	0					2.04
26.333	0.00	0.02	0.076	0					2.04
26.417	0.00	0.02	0.076	0					2.04
26.500	0.00	0.02	0.076	0					2.03
26.583	0.00	0.02	0.076	0					2.03
26.667	0.00	0.02	0.075	0					2.03
26.750	0.00	0.02	0.075	0					2.02
26.833	0.00	0.02	0.075	0					2.02
26.917	0.00	0.02	0.075	0					2.02
27.000	0.00	0.02	0.075	0					2.02

27.083	0.00	0.02	0.075	0					2.01
27.167	0.00	0.02	0.074	0					2.01
27.250	0.00	0.02	0.074	0					2.01
27.333	0.00	0.02	0.074	0					2.00
27.417	0.00	0.02	0.074	0					2.00
27.500	0.00	0.02	0.074	0					2.00
27.583	0.00	0.02	0.074	0					1.99
27.667	0.00	0.02	0.074	0					1.99
27.750	0.00	0.02	0.073	0					1.99
27.833	0.00	0.02	0.073	0					1.98
27.917	0.00	0.02	0.073	0					1.98
28.000	0.00	0.02	0.073	0					1.98
28.083	0.00	0.02	0.073	0					1.97
28.167	0.00	0.02	0.073	0					1.97
28.250	0.00	0.02	0.073	0					1.97
28.333	0.00	0.02	0.072	0					1.96
28.417	0.00	0.02	0.072	0					1.96
28.500	0.00	0.02	0.072	0					1.96
28.583	0.00	0.02	0.072	0					1.96
28.667	0.00	0.02	0.072	0					1.95
28.750	0.00	0.02	0.072	0					1.95
28.833	0.00	0.02	0.071	0					1.95
28.917	0.00	0.02	0.071	0					1.94
29.000	0.00	0.02	0.071	0					1.94
29.083	0.00	0.02	0.071	0					1.94
29.167	0.00	0.02	0.071	0					1.93
29.250	0.00	0.02	0.071	0					1.93
29.333	0.00	0.02	0.071	0					1.93
29.417	0.00	0.02	0.070	0					1.92
29.500	0.00	0.02	0.070	0					1.92
29.583	0.00	0.02	0.070	0					1.92
29.667	0.00	0.02	0.070	0					1.91
29.750	0.00	0.02	0.070	0					1.91
29.833	0.00	0.02	0.070	0					1.91
29.917	0.00	0.02	0.070	0					1.90
30.000	0.00	0.02	0.069	0					1.90
30.083	0.00	0.02	0.069	0					1.90
30.167	0.00	0.02	0.069	0					1.89
30.250	0.00	0.02	0.069	0					1.89
30.333	0.00	0.02	0.069	0					1.89
30.417	0.00	0.02	0.069	0					1.88
30.500	0.00	0.02	0.069	0					1.88
30.583	0.00	0.02	0.068	0					1.88
30.667	0.00	0.02	0.068	0					1.87
30.750	0.00	0.02	0.068	0					1.87
30.833	0.00	0.02	0.068	0					1.87
30.917	0.00	0.02	0.068	0					1.87
31.000	0.00	0.02	0.068	0					1.86
31.083	0.00	0.02	0.068	0					1.86
31.167	0.00	0.02	0.067	0					1.86

31.250	0.00	0.02	0.067	0					1.85
31.333	0.00	0.02	0.067	0					1.85
31.417	0.00	0.02	0.067	0					1.85
31.500	0.00	0.02	0.067	0					1.84
31.583	0.00	0.02	0.067	0					1.84
31.667	0.00	0.02	0.066	0					1.84
31.750	0.00	0.02	0.066	0					1.83
31.833	0.00	0.02	0.066	0					1.83
31.917	0.00	0.02	0.066	0					1.83
32.000	0.00	0.02	0.066	0					1.82
32.083	0.00	0.02	0.066	0					1.82
32.167	0.00	0.02	0.066	0					1.82
32.250	0.00	0.02	0.065	0					1.81
32.333	0.00	0.02	0.065	0					1.81
32.417	0.00	0.02	0.065	0					1.81
32.500	0.00	0.02	0.065	0					1.81
32.583	0.00	0.02	0.065	0					1.80
32.667	0.00	0.02	0.065	0					1.80
32.750	0.00	0.02	0.065	0					1.80
32.833	0.00	0.02	0.064	0					1.79
32.917	0.00	0.02	0.064	0					1.79
33.000	0.00	0.02	0.064	0					1.79
33.083	0.00	0.02	0.064	0					1.78
33.167	0.00	0.02	0.064	0					1.78
33.250	0.00	0.02	0.064	0					1.78
33.333	0.00	0.02	0.064	0					1.77
33.417	0.00	0.02	0.063	0					1.77
33.500	0.00	0.02	0.063	0					1.77
33.583	0.00	0.02	0.063	0					1.76
33.667	0.00	0.02	0.063	0					1.76
33.750	0.00	0.02	0.063	0					1.76
33.833	0.00	0.02	0.063	0					1.76
33.917	0.00	0.02	0.063	0					1.75
34.000	0.00	0.02	0.062	0					1.75
34.083	0.00	0.02	0.062	0					1.75
34.167	0.00	0.02	0.062	0					1.74
34.250	0.00	0.02	0.062	0					1.74
34.333	0.00	0.02	0.062	0					1.74
34.417	0.00	0.02	0.062	0					1.73
34.500	0.00	0.02	0.062	0					1.73
34.583	0.00	0.02	0.061	0					1.73
34.667	0.00	0.02	0.061	0					1.73
34.750	0.00	0.02	0.061	0					1.72
34.833	0.00	0.02	0.061	0					1.72
34.917	0.00	0.02	0.061	0					1.72
35.000	0.00	0.02	0.061	0					1.71
35.083	0.00	0.02	0.061	0					1.71
35.167	0.00	0.02	0.061	0					1.71
35.250	0.00	0.02	0.060	0					1.70
35.333	0.00	0.02	0.060	0					1.70

35.417	0.00	0.02	0.060	0					1.70
35.500	0.00	0.02	0.060	0					1.69
35.583	0.00	0.02	0.060	0					1.69
35.667	0.00	0.02	0.060	0					1.69
35.750	0.00	0.02	0.060	0					1.69
35.833	0.00	0.02	0.059	0					1.68
35.917	0.00	0.02	0.059	0					1.68
36.000	0.00	0.02	0.059	0					1.68
36.083	0.00	0.02	0.059	0					1.67
36.167	0.00	0.02	0.059	0					1.67
36.250	0.00	0.02	0.059	0					1.67
36.333	0.00	0.02	0.059	0					1.66
36.417	0.00	0.02	0.058	0					1.66
36.500	0.00	0.02	0.058	0					1.66
36.583	0.00	0.02	0.058	0					1.66
36.667	0.00	0.02	0.058	0					1.65
36.750	0.00	0.02	0.058	0					1.65
36.833	0.00	0.02	0.058	0					1.65
36.917	0.00	0.02	0.058	0					1.64
37.000	0.00	0.02	0.057	0					1.64
37.083	0.00	0.02	0.057	0					1.64
37.167	0.00	0.02	0.057	0					1.63
37.250	0.00	0.02	0.057	0					1.63
37.333	0.00	0.02	0.057	0					1.63
37.417	0.00	0.02	0.057	0					1.63
37.500	0.00	0.02	0.057	0					1.62
37.583	0.00	0.02	0.057	0					1.62
37.667	0.00	0.02	0.056	0					1.62
37.750	0.00	0.02	0.056	0					1.61
37.833	0.00	0.02	0.056	0					1.61
37.917	0.00	0.02	0.056	0					1.61
38.000	0.00	0.02	0.056	0					1.61
38.083	0.00	0.02	0.056	0					1.60
38.167	0.00	0.02	0.056	0					1.60
38.250	0.00	0.02	0.055	0					1.60
38.333	0.00	0.02	0.055	0					1.59
38.417	0.00	0.02	0.055	0					1.59
38.500	0.00	0.02	0.055	0					1.59
38.583	0.00	0.02	0.055	0					1.58
38.667	0.00	0.02	0.055	0					1.58
38.750	0.00	0.02	0.055	0					1.58
38.833	0.00	0.02	0.055	0					1.58
38.917	0.00	0.02	0.054	0					1.57
39.000	0.00	0.02	0.054	0					1.57
39.083	0.00	0.02	0.054	0					1.57
39.167	0.00	0.02	0.054	0					1.56
39.250	0.00	0.02	0.054	0					1.56
39.333	0.00	0.02	0.054	0					1.56
39.417	0.00	0.02	0.054	0					1.56
39.500	0.00	0.02	0.053	0					1.55

39.583	0.00	0.02	0.053	0					1.55
39.667	0.00	0.02	0.053	0					1.55
39.750	0.00	0.02	0.053	0					1.54
39.833	0.00	0.02	0.053	0					1.54
39.917	0.00	0.02	0.053	0					1.54
40.000	0.00	0.02	0.053	0					1.54
40.083	0.00	0.02	0.053	0					1.53
40.167	0.00	0.02	0.052	0					1.53
40.250	0.00	0.02	0.052	0					1.53
40.333	0.00	0.02	0.052	0					1.52
40.417	0.00	0.02	0.052	0					1.52
40.500	0.00	0.02	0.052	0					1.52
40.583	0.00	0.02	0.052	0					1.52
40.667	0.00	0.02	0.052	0					1.51
40.750	0.00	0.02	0.051	0					1.51
40.833	0.00	0.02	0.051	0					1.51
40.917	0.00	0.02	0.051	0					1.50
41.000	0.00	0.02	0.051	0					1.50
41.083	0.00	0.02	0.051	0					1.50
41.167	0.00	0.02	0.051	0					1.50
41.250	0.00	0.02	0.051	0					1.49
41.333	0.00	0.02	0.051	0					1.49
41.417	0.00	0.02	0.050	0					1.49
41.500	0.00	0.02	0.050	0					1.48
41.583	0.00	0.02	0.050	0					1.48
41.667	0.00	0.02	0.050	0					1.48
41.750	0.00	0.02	0.050	0					1.48
41.833	0.00	0.02	0.050	0					1.47
41.917	0.00	0.02	0.050	0					1.47
42.000	0.00	0.02	0.049	0					1.47
42.083	0.00	0.02	0.049	0					1.46
42.167	0.00	0.02	0.049	0					1.46
42.250	0.00	0.02	0.049	0					1.46
42.333	0.00	0.02	0.049	0					1.46
42.417	0.00	0.02	0.049	0					1.45
42.500	0.00	0.02	0.049	0					1.45
42.583	0.00	0.02	0.049	0					1.45
42.667	0.00	0.02	0.048	0					1.44
42.750	0.00	0.02	0.048	0					1.44
42.833	0.00	0.02	0.048	0					1.44
42.917	0.00	0.02	0.048	0					1.44
43.000	0.00	0.02	0.048	0					1.43
43.083	0.00	0.02	0.048	0					1.43
43.167	0.00	0.02	0.048	0					1.43
43.250	0.00	0.02	0.048	0					1.43
43.333	0.00	0.02	0.047	0					1.42
43.417	0.00	0.02	0.047	0					1.42
43.500	0.00	0.02	0.047	0					1.42
43.583	0.00	0.02	0.047	0					1.41
43.667	0.00	0.02	0.047	0					1.41

43.750	0.00	0.02	0.047	0					1.41
43.833	0.00	0.02	0.047	0					1.41
43.917	0.00	0.02	0.047	0					1.40
44.000	0.00	0.02	0.046	0					1.40
44.083	0.00	0.02	0.046	0					1.40
44.167	0.00	0.02	0.046	0					1.40
44.250	0.00	0.02	0.046	0					1.39
44.333	0.00	0.02	0.046	0					1.39
44.417	0.00	0.02	0.046	0					1.39
44.500	0.00	0.02	0.046	0					1.38
44.583	0.00	0.02	0.046	0					1.38
44.667	0.00	0.02	0.045	0					1.38
44.750	0.00	0.02	0.045	0					1.38
44.833	0.00	0.02	0.045	0					1.37
44.917	0.00	0.02	0.045	0					1.37
45.000	0.00	0.02	0.045	0					1.37
45.083	0.00	0.02	0.045	0					1.36
45.167	0.00	0.02	0.045	0					1.36
45.250	0.00	0.02	0.045	0					1.36
45.333	0.00	0.02	0.044	0					1.36
45.417	0.00	0.02	0.044	0					1.35
45.500	0.00	0.02	0.044	0					1.35
45.583	0.00	0.02	0.044	0					1.35
45.667	0.00	0.02	0.044	0					1.35
45.750	0.00	0.02	0.044	0					1.34
45.833	0.00	0.02	0.044	0					1.34
45.917	0.00	0.02	0.044	0					1.34
46.000	0.00	0.02	0.043	0					1.34
46.083	0.00	0.02	0.043	0					1.33
46.167	0.00	0.02	0.043	0					1.33
46.250	0.00	0.02	0.043	0					1.33
46.333	0.00	0.02	0.043	0					1.32
46.417	0.00	0.02	0.043	0					1.32
46.500	0.00	0.02	0.043	0					1.32
46.583	0.00	0.02	0.043	0					1.32
46.667	0.00	0.02	0.042	0					1.31
46.750	0.00	0.02	0.042	0					1.31
46.833	0.00	0.02	0.042	0					1.31
46.917	0.00	0.02	0.042	0					1.31
47.000	0.00	0.02	0.042	0					1.30
47.083	0.00	0.02	0.042	0					1.30
47.167	0.00	0.02	0.042	0					1.30
47.250	0.00	0.02	0.042	0					1.29
47.333	0.00	0.02	0.041	0					1.29
47.417	0.00	0.02	0.041	0					1.29
47.500	0.00	0.02	0.041	0					1.29
47.583	0.00	0.02	0.041	0					1.28
47.667	0.00	0.02	0.041	0					1.28
47.750	0.00	0.02	0.041	0					1.28
47.833	0.00	0.02	0.041	0					1.28

47.917	0.00	0.02	0.041	0					1.27
48.000	0.00	0.02	0.040	0					1.27
48.083	0.00	0.02	0.040	0					1.27
48.167	0.00	0.02	0.040	0					1.27
48.250	0.00	0.02	0.040	0					1.26
48.333	0.00	0.02	0.040	0					1.26
48.417	0.00	0.02	0.040	0					1.26
48.500	0.00	0.02	0.040	0					1.26
48.583	0.00	0.02	0.040	0					1.25
48.667	0.00	0.02	0.040	0					1.25
48.750	0.00	0.02	0.039	0					1.25
48.833	0.00	0.02	0.039	0					1.24
48.917	0.00	0.02	0.039	0					1.24
49.000	0.00	0.02	0.039	0					1.24
49.083	0.00	0.02	0.039	0					1.24
49.167	0.00	0.02	0.039	0					1.23
49.250	0.00	0.02	0.039	0					1.23
49.333	0.00	0.02	0.039	0					1.23
49.417	0.00	0.02	0.038	0					1.23
49.500	0.00	0.02	0.038	0					1.22
49.583	0.00	0.02	0.038	0					1.22
49.667	0.00	0.02	0.038	0					1.22
49.750	0.00	0.02	0.038	0					1.22
49.833	0.00	0.02	0.038	0					1.21
49.917	0.00	0.02	0.038	0					1.21
50.000	0.00	0.02	0.038	0					1.21
50.083	0.00	0.02	0.037	0					1.21
50.167	0.00	0.02	0.037	0					1.20
50.250	0.00	0.02	0.037	0					1.20
50.333	0.00	0.02	0.037	0					1.20
50.417	0.00	0.02	0.037	0					1.20
50.500	0.00	0.02	0.037	0					1.19
50.583	0.00	0.02	0.037	0					1.19
50.667	0.00	0.02	0.037	0					1.19
50.750	0.00	0.02	0.037	0					1.19
50.833	0.00	0.02	0.036	0					1.18
50.917	0.00	0.02	0.036	0					1.18
51.000	0.00	0.02	0.036	0					1.18
51.083	0.00	0.02	0.036	0					1.18
51.167	0.00	0.02	0.036	0					1.17
51.250	0.00	0.02	0.036	0					1.17
51.333	0.00	0.02	0.036	0					1.17
51.417	0.00	0.02	0.036	0					1.16
51.500	0.00	0.02	0.035	0					1.16
51.583	0.00	0.02	0.035	0					1.16
51.667	0.00	0.02	0.035	0					1.16
51.750	0.00	0.02	0.035	0					1.15
51.833	0.00	0.02	0.035	0					1.15
51.917	0.00	0.02	0.035	0					1.15
52.000	0.00	0.02	0.035	0					1.15

52.083	0.00	0.02	0.035	0					1.14
52.167	0.00	0.02	0.035	0					1.14
52.250	0.00	0.02	0.034	0					1.14
52.333	0.00	0.02	0.034	0					1.14
52.417	0.00	0.02	0.034	0					1.13
52.500	0.00	0.02	0.034	0					1.13
52.583	0.00	0.02	0.034	0					1.13
52.667	0.00	0.02	0.034	0					1.13
52.750	0.00	0.02	0.034	0					1.12
52.833	0.00	0.02	0.034	0					1.12
52.917	0.00	0.02	0.033	0					1.12
53.000	0.00	0.02	0.033	0					1.12
53.083	0.00	0.02	0.033	0					1.11
53.167	0.00	0.02	0.033	0					1.11
53.250	0.00	0.02	0.033	0					1.11
53.333	0.00	0.02	0.033	0					1.11
53.417	0.00	0.02	0.033	0					1.10
53.500	0.00	0.02	0.033	0					1.10
53.583	0.00	0.02	0.033	0					1.10
53.667	0.00	0.02	0.032	0					1.10
53.750	0.00	0.02	0.032	0					1.09
53.833	0.00	0.02	0.032	0					1.09
53.917	0.00	0.02	0.032	0					1.09
54.000	0.00	0.02	0.032	0					1.09
54.083	0.00	0.02	0.032	0					1.08
54.167	0.00	0.02	0.032	0					1.08
54.250	0.00	0.02	0.032	0					1.08
54.333	0.00	0.02	0.032	0					1.08
54.417	0.00	0.02	0.031	0					1.07
54.500	0.00	0.02	0.031	0					1.07
54.583	0.00	0.02	0.031	0					1.07
54.667	0.00	0.02	0.031	0					1.07
54.750	0.00	0.02	0.031	0					1.06
54.833	0.00	0.02	0.031	0					1.06
54.917	0.00	0.02	0.031	0					1.06
55.000	0.00	0.02	0.031	0					1.06
55.083	0.00	0.02	0.031	0					1.06
55.167	0.00	0.02	0.030	0					1.05
55.250	0.00	0.02	0.030	0					1.05
55.333	0.00	0.02	0.030	0					1.05
55.417	0.00	0.02	0.030	0					1.05
55.500	0.00	0.02	0.030	0					1.04
55.583	0.00	0.02	0.030	0					1.04
55.667	0.00	0.02	0.030	0					1.04
55.750	0.00	0.02	0.030	0					1.04
55.833	0.00	0.02	0.030	0					1.03
55.917	0.00	0.02	0.029	0					1.03
56.000	0.00	0.02	0.029	0					1.03
56.083	0.00	0.02	0.029	0					1.03
56.167	0.00	0.02	0.029	0					1.02

56.250	0.00	0.02	0.029	0					1.02
56.333	0.00	0.02	0.029	0					1.02
56.417	0.00	0.02	0.029	0					1.02
56.500	0.00	0.02	0.029	0					1.01
56.583	0.00	0.02	0.029	0					1.01
56.667	0.00	0.02	0.028	0					1.01
56.750	0.00	0.02	0.028	0					1.01
56.833	0.00	0.02	0.028	0					1.00
56.917	0.00	0.02	0.028	0					1.00
57.000	0.00	0.02	0.028	0					1.00
57.083	0.00	0.02	0.028	0					1.00
57.167	0.00	0.02	0.028	0					0.99
57.250	0.00	0.02	0.028	0					0.99
57.333	0.00	0.02	0.028	0					0.98
57.417	0.00	0.02	0.027	0					0.98
57.500	0.00	0.02	0.027	0					0.98
57.583	0.00	0.02	0.027	0					0.97
57.667	0.00	0.02	0.027	0					0.97
57.750	0.00	0.02	0.027	0					0.96
57.833	0.00	0.02	0.027	0					0.96
57.917	0.00	0.02	0.027	0					0.96
58.000	0.00	0.02	0.027	0					0.95
58.083	0.00	0.02	0.027	0					0.95
58.167	0.00	0.02	0.026	0					0.94
58.250	0.00	0.02	0.026	0					0.94
58.333	0.00	0.02	0.026	0					0.94
58.417	0.00	0.02	0.026	0					0.93
58.500	0.00	0.02	0.026	0					0.93
58.583	0.00	0.02	0.026	0					0.92
58.667	0.00	0.02	0.026	0					0.92
58.750	0.00	0.02	0.026	0					0.92
58.833	0.00	0.02	0.026	0					0.91
58.917	0.00	0.02	0.026	0					0.91
59.000	0.00	0.02	0.025	0					0.91
59.083	0.00	0.02	0.025	0					0.90
59.167	0.00	0.02	0.025	0					0.90
59.250	0.00	0.02	0.025	0					0.89
59.333	0.00	0.02	0.025	0					0.89
59.417	0.00	0.02	0.025	0					0.89
59.500	0.00	0.02	0.025	0					0.88
59.583	0.00	0.01	0.025	0					0.88
59.667	0.00	0.01	0.025	0					0.88
59.750	0.00	0.01	0.024	0					0.87
59.833	0.00	0.01	0.024	0					0.87
59.917	0.00	0.01	0.024	0					0.86
60.000	0.00	0.01	0.024	0					0.86
60.083	0.00	0.01	0.024	0					0.86
60.167	0.00	0.01	0.024	0					0.85
60.250	0.00	0.01	0.024	0					0.85
60.333	0.00	0.01	0.024	0					0.85

60.417	0.00	0.01	0.024	0					0.84
60.500	0.00	0.01	0.024	0					0.84
60.583	0.00	0.01	0.023	0					0.84
60.667	0.00	0.01	0.023	0					0.83
60.750	0.00	0.01	0.023	0					0.83
60.833	0.00	0.01	0.023	0					0.82
60.917	0.00	0.01	0.023	0					0.82
61.000	0.00	0.01	0.023	0					0.82
61.083	0.00	0.01	0.023	0					0.81
61.167	0.00	0.01	0.023	0					0.81
61.250	0.00	0.01	0.023	0					0.81
61.333	0.00	0.01	0.023	0					0.80
61.417	0.00	0.01	0.022	0					0.80
61.500	0.00	0.01	0.022	0					0.80
61.583	0.00	0.01	0.022	0					0.79
61.667	0.00	0.01	0.022	0					0.79
61.750	0.00	0.01	0.022	0					0.79
61.833	0.00	0.01	0.022	0					0.78
61.917	0.00	0.01	0.022	0					0.78
62.000	0.00	0.01	0.022	0					0.77
62.083	0.00	0.01	0.022	0					0.77
62.167	0.00	0.01	0.022	0					0.77
62.250	0.00	0.01	0.021	0					0.76
62.333	0.00	0.01	0.021	0					0.76
62.417	0.00	0.01	0.021	0					0.76
62.500	0.00	0.01	0.021	0					0.75
62.583	0.00	0.01	0.021	0					0.75
62.667	0.00	0.01	0.021	0					0.75
62.750	0.00	0.01	0.021	0					0.74
62.833	0.00	0.01	0.021	0					0.74
62.917	0.00	0.01	0.021	0					0.74
63.000	0.00	0.01	0.021	0					0.73
63.083	0.00	0.01	0.021	0					0.73
63.167	0.00	0.01	0.020	0					0.73
63.250	0.00	0.01	0.020	0					0.72
63.333	0.00	0.01	0.020	0					0.72
63.417	0.00	0.01	0.020	0					0.72
63.500	0.00	0.01	0.020	0					0.71
63.583	0.00	0.01	0.020	0					0.71
63.667	0.00	0.01	0.020	0					0.71
63.750	0.00	0.01	0.020	0					0.70
63.833	0.00	0.01	0.020	0					0.70
63.917	0.00	0.01	0.020	0					0.70
64.000	0.00	0.01	0.019	0					0.69
64.083	0.00	0.01	0.019	0					0.69
64.167	0.00	0.01	0.019	0					0.69
64.250	0.00	0.01	0.019	0					0.68
64.333	0.00	0.01	0.019	0					0.68
64.417	0.00	0.01	0.019	0					0.68
64.500	0.00	0.01	0.019	0					0.67

64.583	0.00	0.01	0.019	0					0.67
64.667	0.00	0.01	0.019	0					0.67
64.750	0.00	0.01	0.019	0					0.66
64.833	0.00	0.01	0.019	0					0.66
64.917	0.00	0.01	0.018	0					0.66
65.000	0.00	0.01	0.018	0					0.65
65.083	0.00	0.01	0.018	0					0.65
65.167	0.00	0.01	0.018	0					0.65
65.250	0.00	0.01	0.018	0					0.64
65.333	0.00	0.01	0.018	0					0.64
65.417	0.00	0.01	0.018	0					0.64
65.500	0.00	0.01	0.018	0					0.63
65.583	0.00	0.01	0.018	0					0.63
65.667	0.00	0.01	0.018	0					0.63
65.750	0.00	0.01	0.018	0					0.62
65.833	0.00	0.01	0.018	0					0.62
65.917	0.00	0.01	0.017	0					0.62
66.000	0.00	0.01	0.017	0					0.61
66.083	0.00	0.01	0.017	0					0.61
66.167	0.00	0.01	0.017	0					0.61
66.250	0.00	0.01	0.017	0					0.61
66.333	0.00	0.01	0.017	0					0.60
66.417	0.00	0.01	0.017	0					0.60
66.500	0.00	0.01	0.017	0					0.60
66.583	0.00	0.01	0.017	0					0.59
66.667	0.00	0.01	0.017	0					0.59
66.750	0.00	0.01	0.017	0					0.59
66.833	0.00	0.01	0.016	0					0.58
66.917	0.00	0.01	0.016	0					0.58
67.000	0.00	0.01	0.016	0					0.58
67.083	0.00	0.01	0.016	0					0.57
67.167	0.00	0.01	0.016	0					0.57
67.250	0.00	0.01	0.016	0					0.57
67.333	0.00	0.01	0.016	0					0.56
67.417	0.00	0.01	0.016	0					0.56
67.500	0.00	0.01	0.016	0					0.56
67.583	0.00	0.01	0.016	0					0.56
67.667	0.00	0.01	0.016	0					0.55
67.750	0.00	0.01	0.016	0					0.55
67.833	0.00	0.01	0.015	0					0.55
67.917	0.00	0.01	0.015	0					0.54
68.000	0.00	0.01	0.015	0					0.54
68.083	0.00	0.01	0.015	0					0.54
68.167	0.00	0.01	0.015	0					0.53
68.250	0.00	0.01	0.015	0					0.53
68.333	0.00	0.01	0.015	0					0.53
68.417	0.00	0.01	0.015	0					0.53
68.500	0.00	0.01	0.015	0					0.52
68.583	0.00	0.01	0.015	0					0.52
68.667	0.00	0.01	0.015	0					0.52

68.750	0.00	0.01	0.015	0					0.51
68.833	0.00	0.01	0.014	0					0.51
68.917	0.00	0.01	0.014	0					0.51
69.000	0.00	0.01	0.014	0					0.50
69.083	0.00	0.01	0.014	0					0.50
69.167	0.00	0.01	0.014	0					0.50
69.250	0.00	0.01	0.014	0					0.50
69.333	0.00	0.01	0.014	0					0.49
69.417	0.00	0.01	0.014	0					0.49
69.500	0.00	0.01	0.014	0					0.49
69.583	0.00	0.01	0.014	0					0.48
69.667	0.00	0.01	0.014	0					0.48
69.750	0.00	0.01	0.014	0					0.48
69.833	0.00	0.01	0.014	0					0.48
69.917	0.00	0.01	0.013	0					0.47
70.000	0.00	0.01	0.013	0					0.47
70.083	0.00	0.01	0.013	0					0.47
70.167	0.00	0.01	0.013	0					0.46
70.250	0.00	0.01	0.013	0					0.46
70.333	0.00	0.01	0.013	0					0.46
70.417	0.00	0.01	0.013	0					0.46
70.500	0.00	0.01	0.013	0					0.45
70.583	0.00	0.01	0.013	0					0.45
70.667	0.00	0.01	0.013	0					0.45
70.750	0.00	0.01	0.013	0					0.44
70.833	0.00	0.01	0.013	0					0.44
70.917	0.00	0.01	0.012	0					0.44
71.000	0.00	0.01	0.012	0					0.44
71.083	0.00	0.01	0.012	0					0.43
71.167	0.00	0.01	0.012	0					0.43
71.250	0.00	0.01	0.012	0					0.43
71.333	0.00	0.01	0.012	0					0.43
71.417	0.00	0.01	0.012	0					0.42
71.500	0.00	0.01	0.012	0					0.42
71.583	0.00	0.01	0.012	0					0.42
71.667	0.00	0.01	0.012	0					0.41
71.750	0.00	0.01	0.012	0					0.41
71.833	0.00	0.01	0.012	0					0.41
71.917	0.00	0.01	0.012	0					0.41
72.000	0.00	0.01	0.011	0					0.40
72.083	0.00	0.01	0.011	0					0.40
72.167	0.00	0.01	0.011	0					0.40
72.250	0.00	0.01	0.011	0					0.40
72.333	0.00	0.01	0.011	0					0.39
72.417	0.00	0.01	0.011	0					0.39
72.500	0.00	0.01	0.011	0					0.39
72.583	0.00	0.01	0.011	0					0.38
72.667	0.00	0.01	0.011	0					0.38
72.750	0.00	0.01	0.011	0					0.38
72.833	0.00	0.01	0.011	0					0.38

72.917	0.00	0.01	0.011	0					0.37
73.000	0.00	0.01	0.011	0					0.37
73.083	0.00	0.01	0.011	0					0.37
73.167	0.00	0.01	0.010	0					0.37
73.250	0.00	0.01	0.010	0					0.36
73.333	0.00	0.01	0.010	0					0.36
73.417	0.00	0.01	0.010	0					0.36
73.500	0.00	0.01	0.010	0					0.36
73.583	0.00	0.01	0.010	0					0.35
73.667	0.00	0.01	0.010	0					0.35
73.750	0.00	0.01	0.010	0					0.35
73.833	0.00	0.01	0.010	0					0.34
73.917	0.00	0.01	0.010	0					0.34
74.000	0.00	0.01	0.010	0					0.34
74.083	0.00	0.01	0.010	0					0.34
74.167	0.00	0.01	0.010	0					0.33
74.250	0.00	0.01	0.010	0					0.33
74.333	0.00	0.01	0.009	0					0.33
74.417	0.00	0.01	0.009	0					0.33
74.500	0.00	0.01	0.009	0					0.32
74.583	0.00	0.01	0.009	0					0.32
74.667	0.00	0.01	0.009	0					0.32
74.750	0.00	0.01	0.009	0					0.32
74.833	0.00	0.01	0.009	0					0.31
74.917	0.00	0.01	0.009	0					0.31
75.000	0.00	0.01	0.009	0					0.31
75.083	0.00	0.01	0.009	0					0.31
75.167	0.00	0.01	0.009	0					0.30
75.250	0.00	0.01	0.009	0					0.30
75.333	0.00	0.01	0.009	0					0.30
75.417	0.00	0.01	0.009	0					0.30
75.500	0.00	0.01	0.008	0					0.29
75.583	0.00	0.01	0.008	0					0.29
75.667	0.00	0.01	0.008	0					0.29
75.750	0.00	0.01	0.008	0					0.29
75.833	0.00	0.01	0.008	0					0.28
75.917	0.00	0.01	0.008	0					0.28
76.000	0.00	0.01	0.008	0					0.28
76.083	0.00	0.01	0.008	0					0.28
76.167	0.00	0.01	0.008	0					0.27
76.250	0.00	0.01	0.008	0					0.27
76.333	0.00	0.01	0.008	0					0.27
76.417	0.00	0.01	0.008	0					0.27
76.500	0.00	0.01	0.008	0					0.26
76.583	0.00	0.01	0.008	0					0.26
76.667	0.00	0.01	0.008	0					0.26
76.750	0.00	0.01	0.007	0					0.26
76.833	0.00	0.01	0.007	0					0.25
76.917	0.00	0.01	0.007	0					0.25
77.000	0.00	0.01	0.007	0					0.25

77.083	0.00	0.01	0.007	0					0.25
77.167	0.00	0.01	0.007	0					0.25
77.250	0.00	0.01	0.007	0					0.24
77.333	0.00	0.01	0.007	0					0.24
77.417	0.00	0.01	0.007	0					0.24
77.500	0.00	0.01	0.007	0					0.24
77.583	0.00	0.01	0.007	0					0.23
77.667	0.00	0.01	0.007	0					0.23
77.750	0.00	0.01	0.007	0					0.23
77.833	0.00	0.01	0.007	0					0.23
77.917	0.00	0.01	0.007	0					0.22
78.000	0.00	0.01	0.006	0					0.22
78.083	0.00	0.01	0.006	0					0.22
78.167	0.00	0.01	0.006	0					0.22
78.250	0.00	0.01	0.006	0					0.21
78.333	0.00	0.01	0.006	0					0.21
78.417	0.00	0.01	0.006	0					0.21
78.500	0.00	0.01	0.006	0					0.21
78.583	0.00	0.01	0.006	0					0.21
78.667	0.00	0.01	0.006	0					0.20
78.750	0.00	0.01	0.006	0					0.20
78.833	0.00	0.01	0.006	0					0.20
78.917	0.00	0.01	0.006	0					0.20
79.000	0.00	0.01	0.006	0					0.19
79.083	0.00	0.01	0.006	0					0.19
79.167	0.00	0.01	0.006	0					0.19
79.250	0.00	0.01	0.006	0					0.19
79.333	0.00	0.01	0.005	0					0.18
79.417	0.00	0.01	0.005	0					0.18
79.500	0.00	0.01	0.005	0					0.18
79.583	0.00	0.01	0.005	0					0.18
79.667	0.00	0.01	0.005	0					0.18
79.750	0.00	0.01	0.005	0					0.17
79.833	0.00	0.01	0.005	0					0.17
79.917	0.00	0.01	0.005	0					0.17
80.000	0.00	0.01	0.005	0					0.17
80.083	0.00	0.01	0.005	0					0.16
80.167	0.00	0.01	0.005	0					0.16
80.250	0.00	0.01	0.005	0					0.16
80.333	0.00	0.01	0.005	0					0.16
80.417	0.00	0.01	0.005	0					0.16
80.500	0.00	0.01	0.005	0					0.15
80.583	0.00	0.01	0.005	0					0.15
80.667	0.00	0.01	0.004	0					0.15
80.750	0.00	0.01	0.004	0					0.15
80.833	0.00	0.01	0.004	0					0.15
80.917	0.00	0.01	0.004	0					0.14
81.000	0.00	0.01	0.004	0					0.14
81.083	0.00	0.01	0.004	0					0.14
81.167	0.00	0.01	0.004	0					0.14

81.250	0.00	0.01	0.004	0					0.13
81.333	0.00	0.01	0.004	0					0.13
81.417	0.00	0.01	0.004	0					0.13
81.500	0.00	0.01	0.004	0					0.13
81.583	0.00	0.01	0.004	0					0.13
81.667	0.00	0.01	0.004	0					0.12
81.750	0.00	0.01	0.004	0					0.12
81.833	0.00	0.01	0.004	0					0.12
81.917	0.00	0.01	0.004	0					0.12
82.000	0.00	0.01	0.004	0					0.12
82.083	0.00	0.01	0.003	0					0.11
82.167	0.00	0.01	0.003	0					0.11
82.250	0.00	0.01	0.003	0					0.11
82.333	0.00	0.01	0.003	0					0.11
82.417	0.00	0.01	0.003	0					0.10
82.500	0.00	0.01	0.003	0					0.10
82.583	0.00	0.01	0.003	0					0.10
82.667	0.00	0.01	0.003	0					0.10
82.750	0.00	0.01	0.003	0					0.10
82.833	0.00	0.01	0.003	0					0.09
82.917	0.00	0.01	0.003	0					0.09
83.000	0.00	0.01	0.003	0					0.09
83.083	0.00	0.01	0.003	0					0.09
83.167	0.00	0.01	0.003	0					0.09
83.250	0.00	0.01	0.003	0					0.08
83.333	0.00	0.01	0.003	0					0.08
83.417	0.00	0.01	0.003	0					0.08
83.500	0.00	0.01	0.002	0					0.08
83.583	0.00	0.01	0.002	0					0.08
83.667	0.00	0.01	0.002	0					0.07
83.750	0.00	0.01	0.002	0					0.07
83.833	0.00	0.01	0.002	0					0.07
83.917	0.00	0.01	0.002	0					0.07
84.000	0.00	0.01	0.002	0					0.07
84.083	0.00	0.01	0.002	0					0.06
84.167	0.00	0.01	0.002	0					0.06
84.250	0.00	0.01	0.002	0					0.06
84.333	0.00	0.01	0.002	0					0.06
84.417	0.00	0.01	0.002	0					0.06
84.500	0.00	0.01	0.002	0					0.06
84.583	0.00	0.01	0.002	0					0.05
84.667	0.00	0.01	0.002	0					0.05
84.750	0.00	0.01	0.002	0					0.05
84.833	0.00	0.01	0.002	0					0.05
84.917	0.00	0.01	0.002	0					0.05
85.000	0.00	0.01	0.002	0					0.05
85.083	0.00	0.01	0.002	0					0.05
85.167	0.00	0.01	0.001	0					0.04
85.250	0.00	0.01	0.001	0					0.04
85.333	0.00	0.01	0.001	0					0.04

85.417	0.00	0.01	0.001	0					0.04
85.500	0.00	0.01	0.001	0					0.04
85.583	0.00	0.01	0.001	0					0.04
85.667	0.00	0.00	0.001	0					0.04
85.750	0.00	0.00	0.001	0					0.04
85.833	0.00	0.00	0.001	0					0.04
85.917	0.00	0.00	0.001	0					0.03
86.000	0.00	0.00	0.001	0					0.03
86.083	0.00	0.00	0.001	0					0.03
86.167	0.00	0.00	0.001	0					0.03
86.250	0.00	0.00	0.001	0					0.03
86.333	0.00	0.00	0.001	0					0.03
86.417	0.00	0.00	0.001	0					0.03
86.500	0.00	0.00	0.001	0					0.03
86.583	0.00	0.00	0.001	0					0.03
86.667	0.00	0.00	0.001	0					0.03
86.750	0.00	0.00	0.001	0					0.03
86.833	0.00	0.00	0.001	0					0.03
86.917	0.00	0.00	0.001	0					0.02
87.000	0.00	0.00	0.001	0					0.02
87.083	0.00	0.00	0.001	0					0.02
87.167	0.00	0.00	0.001	0					0.02
87.250	0.00	0.00	0.001	0					0.02
87.333	0.00	0.00	0.001	0					0.02
87.417	0.00	0.00	0.001	0					0.02
87.500	0.00	0.00	0.001	0					0.02
87.583	0.00	0.00	0.001	0					0.02
87.667	0.00	0.00	0.001	0					0.02
87.750	0.00	0.00	0.001	0					0.02
87.833	0.00	0.00	0.001	0					0.02
87.917	0.00	0.00	0.001	0					0.02
88.000	0.00	0.00	0.001	0					0.02
88.083	0.00	0.00	0.001	0					0.02
88.167	0.00	0.00	0.001	0					0.02
88.250	0.00	0.00	0.001	0					0.02
88.333	0.00	0.00	0.001	0					0.02
88.417	0.00	0.00	0.001	0					0.02
88.500	0.00	0.00	0.000	0					0.01
88.583	0.00	0.00	0.000	0					0.01
88.667	0.00	0.00	0.000	0					0.01
88.750	0.00	0.00	0.000	0					0.01
88.833	0.00	0.00	0.000	0					0.01
88.917	0.00	0.00	0.000	0					0.01
89.000	0.00	0.00	0.000	0					0.01
89.083	0.00	0.00	0.000	0					0.01
89.167	0.00	0.00	0.000	0					0.01
89.250	0.00	0.00	0.000	0					0.01
89.333	0.00	0.00	0.000	0					0.01
89.417	0.00	0.00	0.000	0					0.01
89.500	0.00	0.00	0.000	0					0.01

89.583	0.00	0.00	0.000	0					0.01
89.667	0.00	0.00	0.000	0					0.01
89.750	0.00	0.00	0.000	0					0.01
89.833	0.00	0.00	0.000	0					0.01
89.917	0.00	0.00	0.000	0					0.01
90.000	0.00	0.00	0.000	0					0.01
90.083	0.00	0.00	0.000	0					0.01
90.167	0.00	0.00	0.000	0					0.01
90.250	0.00	0.00	0.000	0					0.01
90.333	0.00	0.00	0.000	0					0.01
90.417	0.00	0.00	0.000	0					0.01
90.500	0.00	0.00	0.000	0					0.01
90.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1087

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.036 (CFS)

Total volume = 0.117 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
10 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da12410.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.394 (CFS)
Total volume = 0.226 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.20	0.30	0.39	Depth (Ft.)
0.083	0.01	0.00	0.000	O I					0.00
0.167	0.02	0.00	0.000	O I					0.00
0.250	0.02	0.00	0.000	O I					0.01
0.333	0.03	0.00	0.000	O I					0.01
0.417	0.03	0.00	0.001	O I					0.02
0.500	0.03	0.00	0.001	O I					0.03
0.583	0.03	0.00	0.001	O I					0.03
0.667	0.03	0.01	0.001	O I					0.04
0.750	0.03	0.01	0.001	O I					0.04
0.833	0.04	0.01	0.002	O I					0.05
0.917	0.04	0.01	0.002	O I					0.06
1.000	0.04	0.01	0.002	O I					0.06
1.083	0.04	0.01	0.002	O I					0.07
1.167	0.03	0.01	0.003	O I					0.08
1.250	0.03	0.01	0.003	O I					0.09
1.333	0.03	0.01	0.003	O I					0.09
1.417	0.03	0.01	0.003	O I					0.10
1.500	0.03	0.01	0.003	O I					0.10
1.583	0.03	0.01	0.003	O I					0.11
1.667	0.03	0.01	0.004	O I					0.12
1.750	0.03	0.01	0.004	O I					0.12
1.833	0.04	0.01	0.004	O I					0.13
1.917	0.04	0.01	0.004	O I					0.14
2.000	0.04	0.01	0.004	O I					0.15

2.083	0.04	0.01	0.005	0	I					0.15
2.167	0.04	0.01	0.005	0	I					0.16
2.250	0.04	0.01	0.005	0	I					0.17
2.333	0.04	0.01	0.005	0	I					0.18
2.417	0.04	0.01	0.006	0	I					0.19
2.500	0.04	0.01	0.006	0	I					0.20
2.583	0.05	0.01	0.006	0	I					0.21
2.667	0.05	0.01	0.006	0	I					0.22
2.750	0.05	0.01	0.007	0	I					0.23
2.833	0.05	0.01	0.007	0	I					0.24
2.917	0.05	0.01	0.007	0	I					0.25
3.000	0.05	0.01	0.008	0	I					0.26
3.083	0.05	0.01	0.008	0	I					0.27
3.167	0.05	0.01	0.008	0	I					0.28
3.250	0.05	0.01	0.009	0	I					0.30
3.333	0.05	0.01	0.009	0	I					0.31
3.417	0.05	0.01	0.009	0	I					0.32
3.500	0.05	0.01	0.009	0	I					0.33
3.583	0.05	0.01	0.010	0	I					0.34
3.667	0.05	0.01	0.010	0	I					0.35
3.750	0.05	0.01	0.010	0	I					0.36
3.833	0.06	0.01	0.011	0	I					0.37
3.917	0.07	0.01	0.011	0	I					0.39
4.000	0.07	0.01	0.011	0	I					0.40
4.083	0.07	0.01	0.012	0	I					0.41
4.167	0.07	0.01	0.012	0	I					0.43
4.250	0.07	0.01	0.013	0	I					0.44
4.333	0.07	0.01	0.013	0	I					0.46
4.417	0.08	0.01	0.013	0	I					0.47
4.500	0.08	0.01	0.014	0	I					0.49
4.583	0.08	0.01	0.014	0	I					0.50
4.667	0.08	0.01	0.015	0	I					0.52
4.750	0.08	0.01	0.015	0	I					0.54
4.833	0.08	0.01	0.016	0	I					0.55
4.917	0.09	0.01	0.016	0	I					0.57
5.000	0.09	0.01	0.017	0	I					0.59
5.083	0.07	0.01	0.017	0	I					0.61
5.167	0.07	0.01	0.017	0	I					0.62
5.250	0.07	0.01	0.018	0	I					0.63
5.333	0.07	0.01	0.018	0	I					0.65
5.417	0.08	0.01	0.019	0	I					0.66
5.500	0.08	0.01	0.019	0	I					0.68
5.583	0.08	0.01	0.020	0	I					0.69
5.667	0.09	0.01	0.020	0	I					0.71
5.750	0.09	0.01	0.021	0	I					0.73
5.833	0.09	0.01	0.021	0	I					0.75
5.917	0.09	0.01	0.022	0	I					0.77
6.000	0.09	0.01	0.022	0	I					0.79
6.083	0.09	0.01	0.023	0	I					0.80
6.167	0.10	0.01	0.023	0	I					0.83

6.250	0.10	0.01	0.024	0	I					0.85
6.333	0.10	0.01	0.024	0	I					0.87
6.417	0.10	0.02	0.025	0	I					0.89
6.500	0.10	0.02	0.025	0	I					0.91
6.583	0.11	0.02	0.026	0	I					0.93
6.667	0.11	0.02	0.027	0	I					0.95
6.750	0.11	0.02	0.027	0	I					0.98
6.833	0.11	0.02	0.028	0	I					1.00
6.917	0.11	0.02	0.029	0	I					1.01
7.000	0.11	0.02	0.029	0	I					1.03
7.083	0.11	0.02	0.030	0	I					1.04
7.167	0.11	0.02	0.031	0	I					1.06
7.250	0.11	0.02	0.031	0	I					1.07
7.333	0.12	0.02	0.032	0	I					1.08
7.417	0.12	0.02	0.033	0	I					1.10
7.500	0.12	0.02	0.033	0	I					1.11
7.583	0.13	0.02	0.034	0	I					1.13
7.667	0.13	0.02	0.035	0	I					1.15
7.750	0.13	0.02	0.036	0	I					1.16
7.833	0.14	0.02	0.036	0	I					1.18
7.917	0.14	0.02	0.037	0	I					1.20
8.000	0.14	0.02	0.038	0	I					1.22
8.083	0.16	0.02	0.039	0	I					1.24
8.167	0.16	0.02	0.040	0	I					1.26
8.250	0.16	0.02	0.041	0	I					1.28
8.333	0.16	0.02	0.042	0	I					1.30
8.417	0.16	0.02	0.043	0	I					1.32
8.500	0.16	0.02	0.044	0	I					1.35
8.583	0.17	0.02	0.045	0	I					1.37
8.667	0.17	0.02	0.046	0	I					1.39
8.750	0.17	0.02	0.047	0	I					1.42
8.833	0.18	0.02	0.048	0	I					1.44
8.917	0.19	0.02	0.049	0	I					1.46
9.000	0.19	0.02	0.050	0	I					1.49
9.083	0.20	0.02	0.052	0	I					1.51
9.167	0.21	0.02	0.053	0	I					1.54
9.250	0.21	0.02	0.054	0	I					1.57
9.333	0.21	0.02	0.056	0	I					1.60
9.417	0.22	0.02	0.057	0	I					1.63
9.500	0.22	0.02	0.058	0	I					1.66
9.583	0.23	0.02	0.060	0	I					1.69
9.667	0.23	0.02	0.061	0	I					1.72
9.750	0.23	0.02	0.063	0	I					1.75
9.833	0.24	0.02	0.064	0	I					1.78
9.917	0.24	0.02	0.065	0	I					1.81
10.000	0.24	0.02	0.067	0	I					1.85
10.083	0.19	0.02	0.068	0	I					1.88
10.167	0.17	0.02	0.069	0	I					1.90
10.250	0.16	0.02	0.070	0	I					1.92
10.333	0.16	0.02	0.071	0	I					1.94

10.417	0.16	0.02	0.072	0		I				1.96
10.500	0.16	0.02	0.073	0		I				1.99
10.583	0.20	0.02	0.074	0			I			2.01
10.667	0.22	0.02	0.076	0			I			2.03
10.750	0.22	0.02	0.077	0			I			2.06
10.833	0.22	0.02	0.078	0			I			2.09
10.917	0.22	0.02	0.080	0			I			2.11
11.000	0.22	0.02	0.081	0			I			2.14
11.083	0.21	0.02	0.082	0			I			2.17
11.167	0.21	0.02	0.084	0			I			2.19
11.250	0.21	0.02	0.085	0			I			2.22
11.333	0.21	0.02	0.086	0			I			2.24
11.417	0.21	0.02	0.088	0			I			2.27
11.500	0.21	0.02	0.089	0			I			2.29
11.583	0.19	0.02	0.090	0		I				2.32
11.667	0.19	0.02	0.091	0		I				2.34
11.750	0.19	0.02	0.093	0		I				2.37
11.833	0.19	0.02	0.094	0		I				2.39
11.917	0.20	0.02	0.095	0		I				2.41
12.000	0.20	0.02	0.096	0		I				2.44
12.083	0.24	0.02	0.097	0			I			2.46
12.167	0.27	0.02	0.099	0				I		2.50
12.250	0.27	0.02	0.101	0				I		2.53
12.333	0.28	0.02	0.103	0				I		2.57
12.417	0.28	0.02	0.104	0				I		2.60
12.500	0.28	0.02	0.106	0				I		2.64
12.583	0.30	0.02	0.108	0				I		2.68
12.667	0.30	0.02	0.110	0				I		2.71
12.750	0.31	0.02	0.112	0				I		2.75
12.833	0.31	0.03	0.114	0				I		2.79
12.917	0.32	0.04	0.116	0				I		2.82
13.000	0.32	0.04	0.118	0				I		2.86
13.083	0.36	0.04	0.120	0					I	2.90
13.167	0.39	0.05	0.122	0					I	2.95
13.250	0.39	0.05	0.125	0					I	2.99
13.333	0.39	0.05	0.127	0					I	3.05
13.417	0.39	0.05	0.129	0					I	3.10
13.500	0.39	0.06	0.132	0					I	3.15
13.583	0.31	0.06	0.134	0				I		3.19
13.667	0.26	0.06	0.135	0			I			3.23
13.750	0.25	0.06	0.137	0			I			3.26
13.833	0.25	0.06	0.138	0			I			3.29
13.917	0.25	0.06	0.139	0			I			3.32
14.000	0.25	0.06	0.141	0			I			3.35
14.083	0.28	0.06	0.142	0				I		3.38
14.167	0.29	0.06	0.144	0				I		3.41
14.250	0.30	0.06	0.145	0				I		3.45
14.333	0.29	0.06	0.147	0				I		3.48
14.417	0.28	0.07	0.148	0				I		3.52
14.500	0.28	0.07	0.150	0				I		3.55

14.583	0.28	0.07	0.151	0		I	3.58
14.667	0.28	0.07	0.153	0		I	3.62
14.750	0.28	0.07	0.154	0		I	3.65
14.833	0.28	0.07	0.156	0		I	3.68
14.917	0.27	0.07	0.157	0		I	3.71
15.000	0.27	0.07	0.158	0		I	3.74
15.083	0.27	0.07	0.160	0		I	3.77
15.167	0.26	0.07	0.161	0		I	3.80
15.250	0.26	0.08	0.162	0		I	3.83
15.333	0.26	0.08	0.164	0		I	3.86
15.417	0.25	0.08	0.165	0		I	3.89
15.500	0.25	0.08	0.166	0		I	3.91
15.583	0.22	0.08	0.167	0	I		3.94
15.667	0.21	0.08	0.168	0	I		3.96
15.750	0.21	0.08	0.169	0	I		3.98
15.833	0.21	0.08	0.170	0	I		4.00
15.917	0.21	0.10	0.171	0	I		4.02
16.000	0.21	0.12	0.171	0	I		4.03
16.083	0.11	0.12	0.172	I 0			4.04
16.167	0.05	0.12	0.171	I 0			4.03
16.250	0.04	0.10	0.171	I 0			4.02
16.333	0.04	0.09	0.170	I 0			4.01
16.417	0.04	0.08	0.170	I 0			4.00
16.500	0.04	0.08	0.170	I 0			4.00
16.583	0.04	0.08	0.170	I 0			3.99
16.667	0.03	0.08	0.169	I 0			3.98
16.750	0.03	0.08	0.169	I 0			3.98
16.833	0.03	0.08	0.169	I 0			3.97
16.917	0.03	0.08	0.168	I 0			3.96
17.000	0.03	0.08	0.168	I 0			3.96
17.083	0.05	0.08	0.168	I 0			3.95
17.167	0.05	0.08	0.168	I 0			3.95
17.250	0.05	0.08	0.167	I 0			3.94
17.333	0.05	0.08	0.167	I 0			3.94
17.417	0.05	0.08	0.167	I 0			3.94
17.500	0.05	0.08	0.167	I 0			3.93
17.583	0.05	0.08	0.167	I 0			3.93
17.667	0.05	0.08	0.167	I 0			3.92
17.750	0.05	0.08	0.166	I 0			3.92
17.833	0.05	0.08	0.166	I 0			3.92
17.917	0.04	0.08	0.166	I 0			3.91
18.000	0.04	0.08	0.166	I 0			3.91
18.083	0.04	0.08	0.166	I 0			3.90
18.167	0.04	0.08	0.165	I 0			3.90
18.250	0.04	0.08	0.165	I 0			3.89
18.333	0.04	0.08	0.165	I 0			3.89
18.417	0.04	0.08	0.165	I 0			3.88
18.500	0.04	0.08	0.164	I 0			3.88
18.583	0.04	0.08	0.164	I 0			3.87
18.667	0.03	0.08	0.164	I 0			3.86

18.750	0.03	0.08	0.164	I	0					3.86
18.833	0.03	0.08	0.163	I	0					3.85
18.917	0.02	0.08	0.163	I	0					3.84
19.000	0.02	0.08	0.163	I	0					3.84
19.083	0.03	0.07	0.162	I	0					3.83
19.167	0.03	0.07	0.162	I	0					3.82
19.250	0.03	0.07	0.162	I	0					3.81
19.333	0.04	0.07	0.161	I	0					3.81
19.417	0.04	0.07	0.161	I	0					3.80
19.500	0.04	0.07	0.161	I	0					3.80
19.583	0.04	0.07	0.161	I	0					3.79
19.667	0.03	0.07	0.160	I	0					3.79
19.750	0.03	0.07	0.160	I	0					3.78
19.833	0.03	0.07	0.160	I	0					3.77
19.917	0.02	0.07	0.160	I	0					3.77
20.000	0.02	0.07	0.159	I	0					3.76
20.083	0.03	0.07	0.159	I	0					3.75
20.167	0.03	0.07	0.159	I	0					3.75
20.250	0.03	0.07	0.158	I	0					3.74
20.333	0.03	0.07	0.158	I	0					3.73
20.417	0.03	0.07	0.158	I	0					3.73
20.500	0.03	0.07	0.157	I	0					3.72
20.583	0.03	0.07	0.157	I	0					3.72
20.667	0.03	0.07	0.157	I	0					3.71
20.750	0.03	0.07	0.157	I	0					3.70
20.833	0.03	0.07	0.156	I	0					3.70
20.917	0.02	0.07	0.156	I	0					3.69
21.000	0.02	0.07	0.156	I	0					3.68
21.083	0.03	0.07	0.155	I	0					3.68
21.167	0.03	0.07	0.155	I	0					3.67
21.250	0.03	0.07	0.155	I	0					3.66
21.333	0.03	0.07	0.155	I	0					3.66
21.417	0.02	0.07	0.154	I	0					3.65
21.500	0.02	0.07	0.154	I	0					3.64
21.583	0.03	0.07	0.154	I	0					3.64
21.667	0.03	0.07	0.153	I	0					3.63
21.750	0.03	0.07	0.153	I	0					3.62
21.833	0.03	0.07	0.153	I	0					3.62
21.917	0.02	0.07	0.153	I	0					3.61
22.000	0.02	0.07	0.152	I	0					3.60
22.083	0.03	0.07	0.152	I	0					3.60
22.167	0.03	0.07	0.152	I	0					3.59
22.250	0.03	0.07	0.151	I	0					3.59
22.333	0.03	0.07	0.151	I	0					3.58
22.417	0.02	0.07	0.151	I	0					3.57
22.500	0.02	0.07	0.151	I	0					3.57
22.583	0.02	0.07	0.150	I	0					3.56
22.667	0.02	0.07	0.150	I	0					3.55
22.750	0.02	0.07	0.150	I	0					3.55
22.833	0.02	0.07	0.149	I	0					3.54

22.917	0.02	0.07	0.149	I	0						3.53
23.000	0.02	0.07	0.149	I	0						3.53
23.083	0.02	0.07	0.148	I	0						3.52
23.167	0.02	0.07	0.148	I	0						3.51
23.250	0.02	0.07	0.148	I	0						3.51
23.333	0.02	0.07	0.147	I	0						3.50
23.417	0.02	0.07	0.147	I	0						3.49
23.500	0.02	0.07	0.147	I	0						3.49
23.583	0.02	0.06	0.147	I	0						3.48
23.667	0.02	0.06	0.146	I	0						3.47
23.750	0.02	0.06	0.146	I	0						3.47
23.833	0.02	0.06	0.146	I	0						3.46
23.917	0.02	0.06	0.145	I	0						3.45
24.000	0.02	0.06	0.145	I	0						3.45
24.083	0.01	0.06	0.145	I	0						3.44
24.167	0.00	0.06	0.144	I	0						3.43
24.250	0.00	0.06	0.144	I	0						3.42
24.333	0.00	0.06	0.143	I	0						3.41
24.417	0.00	0.06	0.143	I	0						3.40
24.500	0.00	0.06	0.143	I	0						3.39
24.583	0.00	0.06	0.142	I	0						3.38
24.667	0.00	0.06	0.142	I	0						3.37
24.750	0.00	0.06	0.141	I	0						3.36
24.833	0.00	0.06	0.141	I	0						3.35
24.917	0.00	0.06	0.140	I	0						3.34
25.000	0.00	0.06	0.140	I	0						3.33
25.083	0.00	0.06	0.140	I	0						3.33
25.167	0.00	0.06	0.139	I	0						3.32
25.250	0.00	0.06	0.139	I	0						3.31
25.333	0.00	0.06	0.138	I	0						3.30
25.417	0.00	0.06	0.138	I	0						3.29
25.500	0.00	0.06	0.138	I	0						3.28
25.583	0.00	0.06	0.137	I	0						3.27
25.667	0.00	0.06	0.137	I	0						3.26
25.750	0.00	0.06	0.136	I	0						3.25
25.833	0.00	0.06	0.136	I	0						3.24
25.917	0.00	0.06	0.136	I	0						3.23
26.000	0.00	0.06	0.135	I	0						3.23
26.083	0.00	0.06	0.135	I	0						3.22
26.167	0.00	0.06	0.134	I	0						3.21
26.250	0.00	0.06	0.134	I	0						3.20
26.333	0.00	0.06	0.134	I	0						3.19
26.417	0.00	0.06	0.133	I	0						3.18
26.500	0.00	0.06	0.133	I	0						3.17
26.583	0.00	0.06	0.132	I	0						3.17
26.667	0.00	0.06	0.132	I	0						3.16
26.750	0.00	0.06	0.132	I	0						3.15
26.833	0.00	0.06	0.131	I	0						3.14
26.917	0.00	0.05	0.131	I	0						3.13
27.000	0.00	0.05	0.131	I	0						3.12

27.083	0.00	0.05	0.130	I	0					3.11
27.167	0.00	0.05	0.130	I	0					3.11
27.250	0.00	0.05	0.129	I	0					3.10
27.333	0.00	0.05	0.129	I	0					3.09
27.417	0.00	0.05	0.129	I	0					3.08
27.500	0.00	0.05	0.128	I	0					3.07
27.583	0.00	0.05	0.128	I	0					3.07
27.667	0.00	0.05	0.128	I	0					3.06
27.750	0.00	0.05	0.127	I	0					3.05
27.833	0.00	0.05	0.127	I	0					3.04
27.917	0.00	0.05	0.127	I	0					3.03
28.000	0.00	0.05	0.126	I	0					3.03
28.083	0.00	0.05	0.126	I	0					3.02
28.167	0.00	0.05	0.125	I	0					3.01
28.250	0.00	0.05	0.125	I	0					3.00
28.333	0.00	0.05	0.125	I	0					2.99
28.417	0.00	0.05	0.124	I	0					2.99
28.500	0.00	0.05	0.124	I	0					2.98
28.583	0.00	0.05	0.124	I	0					2.97
28.667	0.00	0.05	0.123	I	0					2.97
28.750	0.00	0.05	0.123	I	0					2.96
28.833	0.00	0.05	0.123	I	0					2.95
28.917	0.00	0.05	0.122	I	0					2.95
29.000	0.00	0.05	0.122	I	0					2.94
29.083	0.00	0.05	0.122	I	0					2.94
29.167	0.00	0.04	0.121	I	0					2.93
29.250	0.00	0.04	0.121	I	0					2.92
29.333	0.00	0.04	0.121	I	0					2.92
29.417	0.00	0.04	0.121	I	0					2.91
29.500	0.00	0.04	0.120	I	0					2.90
29.583	0.00	0.04	0.120	I	0					2.90
29.667	0.00	0.04	0.120	I	0					2.89
29.750	0.00	0.04	0.119	I	0					2.89
29.833	0.00	0.04	0.119	I	0					2.88
29.917	0.00	0.04	0.119	I	0					2.88
30.000	0.00	0.04	0.119	I	0					2.87
30.083	0.00	0.04	0.118	I	0					2.87
30.167	0.00	0.04	0.118	I	0					2.86
30.250	0.00	0.04	0.118	I	0					2.85
30.333	0.00	0.04	0.117	I	0					2.85
30.417	0.00	0.04	0.117	I	0					2.84
30.500	0.00	0.04	0.117	I	0					2.84
30.583	0.00	0.04	0.117	I	0					2.83
30.667	0.00	0.04	0.116	I	0					2.83
30.750	0.00	0.04	0.116	I	0					2.82
30.833	0.00	0.04	0.116	I	0					2.82
30.917	0.00	0.04	0.116	I	0					2.81
31.000	0.00	0.03	0.115	I	0					2.81
31.083	0.00	0.03	0.115	I	0					2.80
31.167	0.00	0.03	0.115	I	0					2.80

31.250	0.00	0.03	0.115	I 0					2.80
31.333	0.00	0.03	0.115	I 0					2.79
31.417	0.00	0.03	0.114	I 0					2.79
31.500	0.00	0.03	0.114	I 0					2.79
31.583	0.00	0.03	0.114	I 0					2.78
31.667	0.00	0.03	0.114	I 0					2.78
31.750	0.00	0.03	0.114	I 0					2.78
31.833	0.00	0.02	0.113	IO					2.77
31.917	0.00	0.02	0.113	IO					2.77
32.000	0.00	0.02	0.113	IO					2.77
32.083	0.00	0.02	0.113	IO					2.77
32.167	0.00	0.02	0.113	IO					2.76
32.250	0.00	0.02	0.113	IO					2.76
32.333	0.00	0.02	0.112	IO					2.76
32.417	0.00	0.02	0.112	IO					2.76
32.500	0.00	0.02	0.112	IO					2.75
32.583	0.00	0.02	0.112	IO					2.75
32.667	0.00	0.02	0.112	IO					2.75
32.750	0.00	0.02	0.112	IO					2.75
32.833	0.00	0.02	0.112	IO					2.75
32.917	0.00	0.02	0.112	IO					2.74
33.000	0.00	0.02	0.112	IO					2.74
33.083	0.00	0.02	0.111	IO					2.74
33.167	0.00	0.02	0.111	IO					2.74
33.250	0.00	0.02	0.111	IO					2.73
33.333	0.00	0.02	0.111	IO					2.73
33.417	0.00	0.02	0.111	IO					2.73
33.500	0.00	0.02	0.111	IO					2.73
33.583	0.00	0.02	0.111	IO					2.73
33.667	0.00	0.02	0.111	IO					2.72
33.750	0.00	0.02	0.111	IO					2.72
33.833	0.00	0.02	0.110	IO					2.72
33.917	0.00	0.02	0.110	IO					2.72
34.000	0.00	0.02	0.110	IO					2.72
34.083	0.00	0.02	0.110	IO					2.71
34.167	0.00	0.02	0.110	IO					2.71
34.250	0.00	0.02	0.110	IO					2.71
34.333	0.00	0.02	0.110	IO					2.71
34.417	0.00	0.02	0.110	IO					2.70
34.500	0.00	0.02	0.110	IO					2.70
34.583	0.00	0.02	0.109	IO					2.70
34.667	0.00	0.02	0.109	IO					2.70
34.750	0.00	0.02	0.109	IO					2.70
34.833	0.00	0.02	0.109	IO					2.69
34.917	0.00	0.02	0.109	IO					2.69
35.000	0.00	0.02	0.109	IO					2.69
35.083	0.00	0.02	0.109	IO					2.69
35.167	0.00	0.02	0.109	IO					2.68
35.250	0.00	0.02	0.109	IO					2.68
35.333	0.00	0.02	0.108	IO					2.68

35.417	0.00	0.02	0.108	IO					2.68
35.500	0.00	0.02	0.108	IO					2.67
35.583	0.00	0.02	0.108	IO					2.67
35.667	0.00	0.02	0.108	IO					2.67
35.750	0.00	0.02	0.108	IO					2.67
35.833	0.00	0.02	0.108	IO					2.67
35.917	0.00	0.02	0.108	IO					2.66
36.000	0.00	0.02	0.108	IO					2.66
36.083	0.00	0.02	0.107	IO					2.66
36.167	0.00	0.02	0.107	IO					2.66
36.250	0.00	0.02	0.107	IO					2.65
36.333	0.00	0.02	0.107	IO					2.65
36.417	0.00	0.02	0.107	IO					2.65
36.500	0.00	0.02	0.107	IO					2.65
36.583	0.00	0.02	0.107	IO					2.65
36.667	0.00	0.02	0.107	IO					2.64
36.750	0.00	0.02	0.106	IO					2.64
36.833	0.00	0.02	0.106	IO					2.64
36.917	0.00	0.02	0.106	IO					2.64
37.000	0.00	0.02	0.106	IO					2.63
37.083	0.00	0.02	0.106	IO					2.63
37.167	0.00	0.02	0.106	IO					2.63
37.250	0.00	0.02	0.106	IO					2.63
37.333	0.00	0.02	0.106	IO					2.62
37.417	0.00	0.02	0.106	IO					2.62
37.500	0.00	0.02	0.105	IO					2.62
37.583	0.00	0.02	0.105	IO					2.62
37.667	0.00	0.02	0.105	IO					2.62
37.750	0.00	0.02	0.105	IO					2.61
37.833	0.00	0.02	0.105	IO					2.61
37.917	0.00	0.02	0.105	IO					2.61
38.000	0.00	0.02	0.105	IO					2.61
38.083	0.00	0.02	0.105	IO					2.60
38.167	0.00	0.02	0.104	IO					2.60
38.250	0.00	0.02	0.104	IO					2.60
38.333	0.00	0.02	0.104	IO					2.60
38.417	0.00	0.02	0.104	IO					2.59
38.500	0.00	0.02	0.104	IO					2.59
38.583	0.00	0.02	0.104	IO					2.59
38.667	0.00	0.02	0.104	IO					2.59
38.750	0.00	0.02	0.104	IO					2.59
38.833	0.00	0.02	0.104	IO					2.58
38.917	0.00	0.02	0.103	IO					2.58
39.000	0.00	0.02	0.103	IO					2.58
39.083	0.00	0.02	0.103	IO					2.58
39.167	0.00	0.02	0.103	IO					2.57
39.250	0.00	0.02	0.103	IO					2.57
39.333	0.00	0.02	0.103	IO					2.57
39.417	0.00	0.02	0.103	IO					2.57
39.500	0.00	0.02	0.103	IO					2.56

39.583	0.00	0.02	0.102	IO					2.56
39.667	0.00	0.02	0.102	IO					2.56
39.750	0.00	0.02	0.102	IO					2.56
39.833	0.00	0.02	0.102	IO					2.55
39.917	0.00	0.02	0.102	IO					2.55
40.000	0.00	0.02	0.102	IO					2.55
40.083	0.00	0.02	0.102	IO					2.55
40.167	0.00	0.02	0.102	IO					2.54
40.250	0.00	0.02	0.101	IO					2.54
40.333	0.00	0.02	0.101	IO					2.54
40.417	0.00	0.02	0.101	IO					2.54
40.500	0.00	0.02	0.101	IO					2.54
40.583	0.00	0.02	0.101	IO					2.53
40.667	0.00	0.02	0.101	IO					2.53
40.750	0.00	0.02	0.101	IO					2.53
40.833	0.00	0.02	0.101	IO					2.53
40.917	0.00	0.02	0.100	IO					2.52
41.000	0.00	0.02	0.100	IO					2.52
41.083	0.00	0.02	0.100	IO					2.52
41.167	0.00	0.02	0.100	IO					2.52
41.250	0.00	0.02	0.100	IO					2.51
41.333	0.00	0.02	0.100	IO					2.51
41.417	0.00	0.02	0.100	IO					2.51
41.500	0.00	0.02	0.100	IO					2.51
41.583	0.00	0.02	0.100	IO					2.50
41.667	0.00	0.02	0.099	IO					2.50
41.750	0.00	0.02	0.099	IO					2.50
41.833	0.00	0.02	0.099	IO					2.50
41.917	0.00	0.02	0.099	IO					2.49
42.000	0.00	0.02	0.099	IO					2.49
42.083	0.00	0.02	0.099	IO					2.49
42.167	0.00	0.02	0.099	IO					2.49
42.250	0.00	0.02	0.099	IO					2.48
42.333	0.00	0.02	0.098	IO					2.48
42.417	0.00	0.02	0.098	IO					2.48
42.500	0.00	0.02	0.098	IO					2.48
42.583	0.00	0.02	0.098	IO					2.47
42.667	0.00	0.02	0.098	IO					2.47
42.750	0.00	0.02	0.098	IO					2.47
42.833	0.00	0.02	0.098	IO					2.47
42.917	0.00	0.02	0.098	IO					2.46
43.000	0.00	0.02	0.097	IO					2.46
43.083	0.00	0.02	0.097	IO					2.46
43.167	0.00	0.02	0.097	IO					2.46
43.250	0.00	0.02	0.097	IO					2.45
43.333	0.00	0.02	0.097	IO					2.45
43.417	0.00	0.02	0.097	IO					2.45
43.500	0.00	0.02	0.097	IO					2.45
43.583	0.00	0.02	0.097	IO					2.44
43.667	0.00	0.02	0.096	IO					2.44

43.750	0.00	0.02	0.096	IO					2.44
43.833	0.00	0.02	0.096	IO					2.44
43.917	0.00	0.02	0.096	IO					2.43
44.000	0.00	0.02	0.096	IO					2.43
44.083	0.00	0.02	0.096	IO					2.43
44.167	0.00	0.02	0.096	IO					2.43
44.250	0.00	0.02	0.095	IO					2.42
44.333	0.00	0.02	0.095	IO					2.42
44.417	0.00	0.02	0.095	IO					2.42
44.500	0.00	0.02	0.095	IO					2.42
44.583	0.00	0.02	0.095	IO					2.41
44.667	0.00	0.02	0.095	IO					2.41
44.750	0.00	0.02	0.095	IO					2.41
44.833	0.00	0.02	0.095	IO					2.41
44.917	0.00	0.02	0.094	IO					2.40
45.000	0.00	0.02	0.094	IO					2.40
45.083	0.00	0.02	0.094	IO					2.40
45.167	0.00	0.02	0.094	IO					2.40
45.250	0.00	0.02	0.094	IO					2.39
45.333	0.00	0.02	0.094	IO					2.39
45.417	0.00	0.02	0.094	IO					2.39
45.500	0.00	0.02	0.094	IO					2.39
45.583	0.00	0.02	0.093	IO					2.38
45.667	0.00	0.02	0.093	IO					2.38
45.750	0.00	0.02	0.093	IO					2.38
45.833	0.00	0.02	0.093	IO					2.38
45.917	0.00	0.02	0.093	IO					2.37
46.000	0.00	0.02	0.093	IO					2.37
46.083	0.00	0.02	0.093	IO					2.37
46.167	0.00	0.02	0.092	IO					2.37
46.250	0.00	0.02	0.092	IO					2.36
46.333	0.00	0.02	0.092	IO					2.36
46.417	0.00	0.02	0.092	IO					2.36
46.500	0.00	0.02	0.092	IO					2.35
46.583	0.00	0.02	0.092	IO					2.35
46.667	0.00	0.02	0.092	IO					2.35
46.750	0.00	0.02	0.092	IO					2.35
46.833	0.00	0.02	0.091	IO					2.34
46.917	0.00	0.02	0.091	IO					2.34
47.000	0.00	0.02	0.091	IO					2.34
47.083	0.00	0.02	0.091	IO					2.34
47.167	0.00	0.02	0.091	IO					2.33
47.250	0.00	0.02	0.091	IO					2.33
47.333	0.00	0.02	0.091	IO					2.33
47.417	0.00	0.02	0.091	IO					2.33
47.500	0.00	0.02	0.090	IO					2.32
47.583	0.00	0.02	0.090	IO					2.32
47.667	0.00	0.02	0.090	IO					2.32
47.750	0.00	0.02	0.090	IO					2.32
47.833	0.00	0.02	0.090	IO					2.31

47.917	0.00	0.02	0.090	IO					2.31
48.000	0.00	0.02	0.090	IO					2.31
48.083	0.00	0.02	0.089	IO					2.30
48.167	0.00	0.02	0.089	IO					2.30
48.250	0.00	0.02	0.089	IO					2.30
48.333	0.00	0.02	0.089	IO					2.30
48.417	0.00	0.02	0.089	IO					2.29
48.500	0.00	0.02	0.089	IO					2.29
48.583	0.00	0.02	0.089	IO					2.29
48.667	0.00	0.02	0.088	IO					2.29
48.750	0.00	0.02	0.088	IO					2.28
48.833	0.00	0.02	0.088	IO					2.28
48.917	0.00	0.02	0.088	IO					2.28
49.000	0.00	0.02	0.088	IO					2.28
49.083	0.00	0.02	0.088	IO					2.27
49.167	0.00	0.02	0.088	IO					2.27
49.250	0.00	0.02	0.088	IO					2.27
49.333	0.00	0.02	0.087	IO					2.26
49.417	0.00	0.02	0.087	IO					2.26
49.500	0.00	0.02	0.087	IO					2.26
49.583	0.00	0.02	0.087	IO					2.26
49.667	0.00	0.02	0.087	IO					2.25
49.750	0.00	0.02	0.087	IO					2.25
49.833	0.00	0.02	0.087	IO					2.25
49.917	0.00	0.02	0.086	IO					2.25
50.000	0.00	0.02	0.086	IO					2.24
50.083	0.00	0.02	0.086	IO					2.24
50.167	0.00	0.02	0.086	IO					2.24
50.250	0.00	0.02	0.086	IO					2.23
50.333	0.00	0.02	0.086	IO					2.23
50.417	0.00	0.02	0.086	IO					2.23
50.500	0.00	0.02	0.085	IO					2.23
50.583	0.00	0.02	0.085	IO					2.22
50.667	0.00	0.02	0.085	IO					2.22
50.750	0.00	0.02	0.085	IO					2.22
50.833	0.00	0.02	0.085	IO					2.22
50.917	0.00	0.02	0.085	IO					2.21
51.000	0.00	0.02	0.085	IO					2.21
51.083	0.00	0.02	0.084	IO					2.21
51.167	0.00	0.02	0.084	IO					2.20
51.250	0.00	0.02	0.084	IO					2.20
51.333	0.00	0.02	0.084	IO					2.20
51.417	0.00	0.02	0.084	IO					2.20
51.500	0.00	0.02	0.084	IO					2.19
51.583	0.00	0.02	0.084	IO					2.19
51.667	0.00	0.02	0.084	IO					2.19
51.750	0.00	0.02	0.083	IO					2.18
51.833	0.00	0.02	0.083	IO					2.18
51.917	0.00	0.02	0.083	IO					2.18
52.000	0.00	0.02	0.083	IO					2.18

52.083	0.00	0.02	0.083	IO					2.17
52.167	0.00	0.02	0.083	IO					2.17
52.250	0.00	0.02	0.083	IO					2.17
52.333	0.00	0.02	0.082	IO					2.17
52.417	0.00	0.02	0.082	IO					2.16
52.500	0.00	0.02	0.082	IO					2.16
52.583	0.00	0.02	0.082	IO					2.16
52.667	0.00	0.02	0.082	IO					2.15
52.750	0.00	0.02	0.082	IO					2.15
52.833	0.00	0.02	0.082	IO					2.15
52.917	0.00	0.02	0.081	IO					2.15
53.000	0.00	0.02	0.081	IO					2.14
53.083	0.00	0.02	0.081	IO					2.14
53.167	0.00	0.02	0.081	IO					2.14
53.250	0.00	0.02	0.081	IO					2.13
53.333	0.00	0.02	0.081	IO					2.13
53.417	0.00	0.02	0.081	IO					2.13
53.500	0.00	0.02	0.080	IO					2.13
53.583	0.00	0.02	0.080	IO					2.12
53.667	0.00	0.02	0.080	IO					2.12
53.750	0.00	0.02	0.080	IO					2.12
53.833	0.00	0.02	0.080	IO					2.11
53.917	0.00	0.02	0.080	IO					2.11
54.000	0.00	0.02	0.079	IO					2.11
54.083	0.00	0.02	0.079	IO					2.11
54.167	0.00	0.02	0.079	IO					2.10
54.250	0.00	0.02	0.079	IO					2.10
54.333	0.00	0.02	0.079	IO					2.10
54.417	0.00	0.02	0.079	IO					2.09
54.500	0.00	0.02	0.079	IO					2.09
54.583	0.00	0.02	0.078	IO					2.09
54.667	0.00	0.02	0.078	IO					2.09
54.750	0.00	0.02	0.078	IO					2.08
54.833	0.00	0.02	0.078	IO					2.08
54.917	0.00	0.02	0.078	IO					2.08
55.000	0.00	0.02	0.078	IO					2.07
55.083	0.00	0.02	0.078	IO					2.07
55.167	0.00	0.02	0.077	IO					2.07
55.250	0.00	0.02	0.077	IO					2.06
55.333	0.00	0.02	0.077	IO					2.06
55.417	0.00	0.02	0.077	IO					2.06
55.500	0.00	0.02	0.077	IO					2.06
55.583	0.00	0.02	0.077	IO					2.05
55.667	0.00	0.02	0.077	IO					2.05
55.750	0.00	0.02	0.076	IO					2.05
55.833	0.00	0.02	0.076	IO					2.04
55.917	0.00	0.02	0.076	IO					2.04
56.000	0.00	0.02	0.076	IO					2.04
56.083	0.00	0.02	0.076	IO					2.04
56.167	0.00	0.02	0.076	IO					2.03

56.250	0.00	0.02	0.076	IO					2.03
56.333	0.00	0.02	0.075	IO					2.03
56.417	0.00	0.02	0.075	IO					2.02
56.500	0.00	0.02	0.075	IO					2.02
56.583	0.00	0.02	0.075	IO					2.02
56.667	0.00	0.02	0.075	IO					2.01
56.750	0.00	0.02	0.075	IO					2.01
56.833	0.00	0.02	0.074	IO					2.01
56.917	0.00	0.02	0.074	IO					2.01
57.000	0.00	0.02	0.074	IO					2.00
57.083	0.00	0.02	0.074	IO					2.00
57.167	0.00	0.02	0.074	IO					2.00
57.250	0.00	0.02	0.074	IO					1.99
57.333	0.00	0.02	0.074	IO					1.99
57.417	0.00	0.02	0.073	IO					1.99
57.500	0.00	0.02	0.073	IO					1.98
57.583	0.00	0.02	0.073	IO					1.98
57.667	0.00	0.02	0.073	IO					1.98
57.750	0.00	0.02	0.073	IO					1.97
57.833	0.00	0.02	0.073	IO					1.97
57.917	0.00	0.02	0.072	IO					1.97
58.000	0.00	0.02	0.072	IO					1.96
58.083	0.00	0.02	0.072	IO					1.96
58.167	0.00	0.02	0.072	IO					1.96
58.250	0.00	0.02	0.072	IO					1.95
58.333	0.00	0.02	0.072	IO					1.95
58.417	0.00	0.02	0.072	IO					1.95
58.500	0.00	0.02	0.071	IO					1.94
58.583	0.00	0.02	0.071	IO					1.94
58.667	0.00	0.02	0.071	IO					1.94
58.750	0.00	0.02	0.071	IO					1.93
58.833	0.00	0.02	0.071	IO					1.93
58.917	0.00	0.02	0.071	IO					1.93
59.000	0.00	0.02	0.071	IO					1.92
59.083	0.00	0.02	0.070	IO					1.92
59.167	0.00	0.02	0.070	IO					1.92
59.250	0.00	0.02	0.070	IO					1.92
59.333	0.00	0.02	0.070	IO					1.91
59.417	0.00	0.02	0.070	IO					1.91
59.500	0.00	0.02	0.070	IO					1.91
59.583	0.00	0.02	0.070	IO					1.90
59.667	0.00	0.02	0.069	IO					1.90
59.750	0.00	0.02	0.069	IO					1.90
59.833	0.00	0.02	0.069	IO					1.89
59.917	0.00	0.02	0.069	IO					1.89
60.000	0.00	0.02	0.069	IO					1.89
60.083	0.00	0.02	0.069	IO					1.88
60.167	0.00	0.02	0.068	IO					1.88
60.250	0.00	0.02	0.068	IO					1.88
60.333	0.00	0.02	0.068	IO					1.87

60.417	0.00	0.02	0.068	IO					1.87
60.500	0.00	0.02	0.068	IO					1.87
60.583	0.00	0.02	0.068	IO					1.86
60.667	0.00	0.02	0.068	IO					1.86
60.750	0.00	0.02	0.067	IO					1.86
60.833	0.00	0.02	0.067	IO					1.85
60.917	0.00	0.02	0.067	IO					1.85
61.000	0.00	0.02	0.067	IO					1.85
61.083	0.00	0.02	0.067	IO					1.85
61.167	0.00	0.02	0.067	IO					1.84
61.250	0.00	0.02	0.067	IO					1.84
61.333	0.00	0.02	0.066	IO					1.84
61.417	0.00	0.02	0.066	IO					1.83
61.500	0.00	0.02	0.066	IO					1.83
61.583	0.00	0.02	0.066	IO					1.83
61.667	0.00	0.02	0.066	IO					1.82
61.750	0.00	0.02	0.066	IO					1.82
61.833	0.00	0.02	0.066	IO					1.82
61.917	0.00	0.02	0.065	IO					1.81
62.000	0.00	0.02	0.065	IO					1.81
62.083	0.00	0.02	0.065	IO					1.81
62.167	0.00	0.02	0.065	IO					1.80
62.250	0.00	0.02	0.065	IO					1.80
62.333	0.00	0.02	0.065	IO					1.80
62.417	0.00	0.02	0.065	IO					1.80
62.500	0.00	0.02	0.064	IO					1.79
62.583	0.00	0.02	0.064	IO					1.79
62.667	0.00	0.02	0.064	IO					1.79
62.750	0.00	0.02	0.064	IO					1.78
62.833	0.00	0.02	0.064	IO					1.78
62.917	0.00	0.02	0.064	IO					1.78
63.000	0.00	0.02	0.064	IO					1.77
63.083	0.00	0.02	0.063	IO					1.77
63.167	0.00	0.02	0.063	IO					1.77
63.250	0.00	0.02	0.063	IO					1.76
63.333	0.00	0.02	0.063	IO					1.76
63.417	0.00	0.02	0.063	IO					1.76
63.500	0.00	0.02	0.063	IO					1.75
63.583	0.00	0.02	0.063	IO					1.75
63.667	0.00	0.02	0.062	IO					1.75
63.750	0.00	0.02	0.062	IO					1.75
63.833	0.00	0.02	0.062	IO					1.74
63.917	0.00	0.02	0.062	IO					1.74
64.000	0.00	0.02	0.062	IO					1.74
64.083	0.00	0.02	0.062	IO					1.73
64.167	0.00	0.02	0.062	IO					1.73
64.250	0.00	0.02	0.061	IO					1.73
64.333	0.00	0.02	0.061	IO					1.72
64.417	0.00	0.02	0.061	IO					1.72
64.500	0.00	0.02	0.061	IO					1.72

64.583	0.00	0.02	0.061	IO					1.72
64.667	0.00	0.02	0.061	IO					1.71
64.750	0.00	0.02	0.061	IO					1.71
64.833	0.00	0.02	0.060	IO					1.71
64.917	0.00	0.02	0.060	IO					1.70
65.000	0.00	0.02	0.060	IO					1.70
65.083	0.00	0.02	0.060	IO					1.70
65.167	0.00	0.02	0.060	IO					1.69
65.250	0.00	0.02	0.060	IO					1.69
65.333	0.00	0.02	0.060	IO					1.69
65.417	0.00	0.02	0.060	IO					1.68
65.500	0.00	0.02	0.059	IO					1.68
65.583	0.00	0.02	0.059	IO					1.68
65.667	0.00	0.02	0.059	IO					1.68
65.750	0.00	0.02	0.059	IO					1.67
65.833	0.00	0.02	0.059	IO					1.67
65.917	0.00	0.02	0.059	IO					1.67
66.000	0.00	0.02	0.059	IO					1.66
66.083	0.00	0.02	0.058	IO					1.66
66.167	0.00	0.02	0.058	IO					1.66
66.250	0.00	0.02	0.058	IO					1.65
66.333	0.00	0.02	0.058	IO					1.65
66.417	0.00	0.02	0.058	IO					1.65
66.500	0.00	0.02	0.058	IO					1.65
66.583	0.00	0.02	0.058	IO					1.64
66.667	0.00	0.02	0.057	IO					1.64
66.750	0.00	0.02	0.057	IO					1.64
66.833	0.00	0.02	0.057	IO					1.63
66.917	0.00	0.02	0.057	IO					1.63
67.000	0.00	0.02	0.057	IO					1.63
67.083	0.00	0.02	0.057	IO					1.63
67.167	0.00	0.02	0.057	IO					1.62
67.250	0.00	0.02	0.056	IO					1.62
67.333	0.00	0.02	0.056	IO					1.62
67.417	0.00	0.02	0.056	IO					1.61
67.500	0.00	0.02	0.056	IO					1.61
67.583	0.00	0.02	0.056	IO					1.61
67.667	0.00	0.02	0.056	IO					1.60
67.750	0.00	0.02	0.056	IO					1.60
67.833	0.00	0.02	0.056	IO					1.60
67.917	0.00	0.02	0.055	IO					1.60
68.000	0.00	0.02	0.055	IO					1.59
68.083	0.00	0.02	0.055	IO					1.59
68.167	0.00	0.02	0.055	IO					1.59
68.250	0.00	0.02	0.055	IO					1.58
68.333	0.00	0.02	0.055	IO					1.58
68.417	0.00	0.02	0.055	IO					1.58
68.500	0.00	0.02	0.054	IO					1.58
68.583	0.00	0.02	0.054	IO					1.57
68.667	0.00	0.02	0.054	IO					1.57

68.750	0.00	0.02	0.054	IO					1.57
68.833	0.00	0.02	0.054	IO					1.56
68.917	0.00	0.02	0.054	IO					1.56
69.000	0.00	0.02	0.054	IO					1.56
69.083	0.00	0.02	0.054	IO					1.56
69.167	0.00	0.02	0.053	IO					1.55
69.250	0.00	0.02	0.053	IO					1.55
69.333	0.00	0.02	0.053	IO					1.55
69.417	0.00	0.02	0.053	IO					1.54
69.500	0.00	0.02	0.053	IO					1.54
69.583	0.00	0.02	0.053	IO					1.54
69.667	0.00	0.02	0.053	IO					1.53
69.750	0.00	0.02	0.052	IO					1.53
69.833	0.00	0.02	0.052	IO					1.53
69.917	0.00	0.02	0.052	IO					1.53
70.000	0.00	0.02	0.052	IO					1.52
70.083	0.00	0.02	0.052	IO					1.52
70.167	0.00	0.02	0.052	IO					1.52
70.250	0.00	0.02	0.052	IO					1.51
70.333	0.00	0.02	0.052	IO					1.51
70.417	0.00	0.02	0.051	IO					1.51
70.500	0.00	0.02	0.051	IO					1.51
70.583	0.00	0.02	0.051	IO					1.50
70.667	0.00	0.02	0.051	IO					1.50
70.750	0.00	0.02	0.051	IO					1.50
70.833	0.00	0.02	0.051	IO					1.49
70.917	0.00	0.02	0.051	IO					1.49
71.000	0.00	0.02	0.051	IO					1.49
71.083	0.00	0.02	0.050	IO					1.49
71.167	0.00	0.02	0.050	IO					1.48
71.250	0.00	0.02	0.050	IO					1.48
71.333	0.00	0.02	0.050	IO					1.48
71.417	0.00	0.02	0.050	IO					1.47
71.500	0.00	0.02	0.050	IO					1.47
71.583	0.00	0.02	0.050	IO					1.47
71.667	0.00	0.02	0.049	IO					1.47
71.750	0.00	0.02	0.049	IO					1.46
71.833	0.00	0.02	0.049	IO					1.46
71.917	0.00	0.02	0.049	IO					1.46
72.000	0.00	0.02	0.049	IO					1.46
72.083	0.00	0.02	0.049	IO					1.45
72.167	0.00	0.02	0.049	IO					1.45
72.250	0.00	0.02	0.049	IO					1.45
72.333	0.00	0.02	0.048	IO					1.44
72.417	0.00	0.02	0.048	IO					1.44
72.500	0.00	0.02	0.048	IO					1.44
72.583	0.00	0.02	0.048	IO					1.44
72.667	0.00	0.02	0.048	IO					1.43
72.750	0.00	0.02	0.048	IO					1.43
72.833	0.00	0.02	0.048	IO					1.43

72.917	0.00	0.02	0.048	IO					1.42
73.000	0.00	0.02	0.047	IO					1.42
73.083	0.00	0.02	0.047	IO					1.42
73.167	0.00	0.02	0.047	IO					1.42
73.250	0.00	0.02	0.047	IO					1.41
73.333	0.00	0.02	0.047	IO					1.41
73.417	0.00	0.02	0.047	IO					1.41
73.500	0.00	0.02	0.047	IO					1.41
73.583	0.00	0.02	0.047	IO					1.40
73.667	0.00	0.02	0.046	IO					1.40
73.750	0.00	0.02	0.046	IO					1.40
73.833	0.00	0.02	0.046	IO					1.39
73.917	0.00	0.02	0.046	IO					1.39
74.000	0.00	0.02	0.046	IO					1.39
74.083	0.00	0.02	0.046	IO					1.39
74.167	0.00	0.02	0.046	IO					1.38
74.250	0.00	0.02	0.046	IO					1.38
74.333	0.00	0.02	0.045	IO					1.38
74.417	0.00	0.02	0.045	IO					1.38
74.500	0.00	0.02	0.045	IO					1.37
74.583	0.00	0.02	0.045	IO					1.37
74.667	0.00	0.02	0.045	IO					1.37
74.750	0.00	0.02	0.045	IO					1.36
74.833	0.00	0.02	0.045	IO					1.36
74.917	0.00	0.02	0.044	IO					1.36
75.000	0.00	0.02	0.044	IO					1.36
75.083	0.00	0.02	0.044	IO					1.35
75.167	0.00	0.02	0.044	IO					1.35
75.250	0.00	0.02	0.044	IO					1.35
75.333	0.00	0.02	0.044	IO					1.35
75.417	0.00	0.02	0.044	IO					1.34
75.500	0.00	0.02	0.044	IO					1.34
75.583	0.00	0.02	0.044	IO					1.34
75.667	0.00	0.02	0.043	IO					1.33
75.750	0.00	0.02	0.043	IO					1.33
75.833	0.00	0.02	0.043	IO					1.33
75.917	0.00	0.02	0.043	IO					1.33
76.000	0.00	0.02	0.043	IO					1.32
76.083	0.00	0.02	0.043	IO					1.32
76.167	0.00	0.02	0.043	IO					1.32
76.250	0.00	0.02	0.043	IO					1.32
76.333	0.00	0.02	0.042	IO					1.31
76.417	0.00	0.02	0.042	IO					1.31
76.500	0.00	0.02	0.042	IO					1.31
76.583	0.00	0.02	0.042	IO					1.30
76.667	0.00	0.02	0.042	IO					1.30
76.750	0.00	0.02	0.042	IO					1.30
76.833	0.00	0.02	0.042	IO					1.30
76.917	0.00	0.02	0.042	IO					1.29
77.000	0.00	0.02	0.041	IO					1.29

77.083	0.00	0.02	0.041	IO					1.29
77.167	0.00	0.02	0.041	IO					1.29
77.250	0.00	0.02	0.041	IO					1.28
77.333	0.00	0.02	0.041	IO					1.28
77.417	0.00	0.02	0.041	IO					1.28
77.500	0.00	0.02	0.041	IO					1.28
77.583	0.00	0.02	0.041	IO					1.27
77.667	0.00	0.02	0.040	IO					1.27
77.750	0.00	0.02	0.040	IO					1.27
77.833	0.00	0.02	0.040	IO					1.27
77.917	0.00	0.02	0.040	IO					1.26
78.000	0.00	0.02	0.040	IO					1.26
78.083	0.00	0.02	0.040	IO					1.26
78.167	0.00	0.02	0.040	IO					1.25
78.250	0.00	0.02	0.040	IO					1.25
78.333	0.00	0.02	0.039	IO					1.25
78.417	0.00	0.02	0.039	IO					1.25
78.500	0.00	0.02	0.039	IO					1.24
78.583	0.00	0.02	0.039	IO					1.24
78.667	0.00	0.02	0.039	IO					1.24
78.750	0.00	0.02	0.039	IO					1.24
78.833	0.00	0.02	0.039	IO					1.23
78.917	0.00	0.02	0.039	IO					1.23
79.000	0.00	0.02	0.039	IO					1.23
79.083	0.00	0.02	0.038	IO					1.23
79.167	0.00	0.02	0.038	IO					1.22
79.250	0.00	0.02	0.038	IO					1.22
79.333	0.00	0.02	0.038	IO					1.22
79.417	0.00	0.02	0.038	IO					1.22
79.500	0.00	0.02	0.038	IO					1.21
79.583	0.00	0.02	0.038	IO					1.21
79.667	0.00	0.02	0.038	IO					1.21
79.750	0.00	0.02	0.037	IO					1.21
79.833	0.00	0.02	0.037	IO					1.20
79.917	0.00	0.02	0.037	IO					1.20
80.000	0.00	0.02	0.037	IO					1.20
80.083	0.00	0.02	0.037	IO					1.19
80.167	0.00	0.02	0.037	IO					1.19
80.250	0.00	0.02	0.037	IO					1.19
80.333	0.00	0.02	0.037	IO					1.19
80.417	0.00	0.02	0.036	IO					1.18
80.500	0.00	0.02	0.036	IO					1.18
80.583	0.00	0.02	0.036	IO					1.18
80.667	0.00	0.02	0.036	IO					1.18
80.750	0.00	0.02	0.036	IO					1.17
80.833	0.00	0.02	0.036	IO					1.17
80.917	0.00	0.02	0.036	IO					1.17
81.000	0.00	0.02	0.036	IO					1.17
81.083	0.00	0.02	0.036	IO					1.16
81.167	0.00	0.02	0.035	IO					1.16

81.250	0.00	0.02	0.035	IO					1.16
81.333	0.00	0.02	0.035	IO					1.16
81.417	0.00	0.02	0.035	IO					1.15
81.500	0.00	0.02	0.035	IO					1.15
81.583	0.00	0.02	0.035	IO					1.15
81.667	0.00	0.02	0.035	IO					1.15
81.750	0.00	0.02	0.035	IO					1.14
81.833	0.00	0.02	0.035	IO					1.14
81.917	0.00	0.02	0.034	IO					1.14
82.000	0.00	0.02	0.034	IO					1.14
82.083	0.00	0.02	0.034	IO					1.13
82.167	0.00	0.02	0.034	IO					1.13
82.250	0.00	0.02	0.034	IO					1.13
82.333	0.00	0.02	0.034	IO					1.13
82.417	0.00	0.02	0.034	IO					1.12
82.500	0.00	0.02	0.034	IO					1.12
82.583	0.00	0.02	0.033	IO					1.12
82.667	0.00	0.02	0.033	IO					1.12
82.750	0.00	0.02	0.033	IO					1.11
82.833	0.00	0.02	0.033	IO					1.11
82.917	0.00	0.02	0.033	IO					1.11
83.000	0.00	0.02	0.033	IO					1.11
83.083	0.00	0.02	0.033	IO					1.10
83.167	0.00	0.02	0.033	IO					1.10
83.250	0.00	0.02	0.033	IO					1.10
83.333	0.00	0.02	0.032	IO					1.10
83.417	0.00	0.02	0.032	IO					1.09
83.500	0.00	0.02	0.032	IO					1.09
83.583	0.00	0.02	0.032	IO					1.09
83.667	0.00	0.02	0.032	IO					1.09
83.750	0.00	0.02	0.032	IO					1.08
83.833	0.00	0.02	0.032	IO					1.08
83.917	0.00	0.02	0.032	IO					1.08
84.000	0.00	0.02	0.032	IO					1.08
84.083	0.00	0.02	0.031	IO					1.07
84.167	0.00	0.02	0.031	IO					1.07
84.250	0.00	0.02	0.031	IO					1.07
84.333	0.00	0.02	0.031	IO					1.07
84.417	0.00	0.02	0.031	IO					1.06
84.500	0.00	0.02	0.031	IO					1.06
84.583	0.00	0.02	0.031	IO					1.06
84.667	0.00	0.02	0.031	IO					1.06
84.750	0.00	0.02	0.031	IO					1.05
84.833	0.00	0.02	0.030	IO					1.05
84.917	0.00	0.02	0.030	IO					1.05
85.000	0.00	0.02	0.030	IO					1.05
85.083	0.00	0.02	0.030	IO					1.04
85.167	0.00	0.02	0.030	IO					1.04
85.250	0.00	0.02	0.030	IO					1.04
85.333	0.00	0.02	0.030	IO					1.04

85.417	0.00	0.02	0.030	IO					1.03
85.500	0.00	0.02	0.029	IO					1.03
85.583	0.00	0.02	0.029	IO					1.03
85.667	0.00	0.02	0.029	IO					1.03
85.750	0.00	0.02	0.029	IO					1.03
85.833	0.00	0.02	0.029	IO					1.02
85.917	0.00	0.02	0.029	IO					1.02
86.000	0.00	0.02	0.029	IO					1.02
86.083	0.00	0.02	0.029	IO					1.02
86.167	0.00	0.02	0.029	IO					1.01
86.250	0.00	0.02	0.028	IO					1.01
86.333	0.00	0.02	0.028	IO					1.01
86.417	0.00	0.02	0.028	IO					1.01
86.500	0.00	0.02	0.028	IO					1.00
86.583	0.00	0.02	0.028	IO					1.00
86.667	0.00	0.02	0.028	IO					1.00
86.750	0.00	0.02	0.028	IO					0.99
86.833	0.00	0.02	0.028	IO					0.99
86.917	0.00	0.02	0.028	IO					0.99
87.000	0.00	0.02	0.028	IO					0.98
87.083	0.00	0.02	0.027	IO					0.98
87.167	0.00	0.02	0.027	IO					0.97
87.250	0.00	0.02	0.027	IO					0.97
87.333	0.00	0.02	0.027	IO					0.97
87.417	0.00	0.02	0.027	IO					0.96
87.500	0.00	0.02	0.027	IO					0.96
87.583	0.00	0.02	0.027	IO					0.95
87.667	0.00	0.02	0.027	IO					0.95
87.750	0.00	0.02	0.027	IO					0.95
87.833	0.00	0.02	0.026	IO					0.94
87.917	0.00	0.02	0.026	IO					0.94
88.000	0.00	0.02	0.026	IO					0.94
88.083	0.00	0.02	0.026	IO					0.93
88.167	0.00	0.02	0.026	IO					0.93
88.250	0.00	0.02	0.026	IO					0.92
88.333	0.00	0.02	0.026	IO					0.92
88.417	0.00	0.02	0.026	IO					0.92
88.500	0.00	0.02	0.026	IO					0.91
88.583	0.00	0.02	0.025	IO					0.91
88.667	0.00	0.02	0.025	IO					0.90
88.750	0.00	0.02	0.025	IO					0.90
88.833	0.00	0.02	0.025	IO					0.90
88.917	0.00	0.02	0.025	IO					0.89
89.000	0.00	0.02	0.025	IO					0.89
89.083	0.00	0.02	0.025	IO					0.89
89.167	0.00	0.01	0.025	IO					0.88
89.250	0.00	0.01	0.025	IO					0.88
89.333	0.00	0.01	0.025	IO					0.87
89.417	0.00	0.01	0.024	IO					0.87
89.500	0.00	0.01	0.024	IO					0.87

89.583	0.00	0.01	0.024	IO					0.86
89.667	0.00	0.01	0.024	IO					0.86
89.750	0.00	0.01	0.024	IO					0.86
89.833	0.00	0.01	0.024	IO					0.85
89.917	0.00	0.01	0.024	IO					0.85
90.000	0.00	0.01	0.024	IO					0.85
90.083	0.00	0.01	0.024	IO					0.84
90.167	0.00	0.01	0.024	IO					0.84
90.250	0.00	0.01	0.023	IO					0.83
90.333	0.00	0.01	0.023	IO					0.83
90.417	0.00	0.01	0.023	IO					0.83
90.500	0.00	0.01	0.023	IO					0.82
90.583	0.00	0.01	0.023	IO					0.82
90.667	0.00	0.01	0.023	IO					0.82
90.750	0.00	0.01	0.023	IO					0.81
90.833	0.00	0.01	0.023	IO					0.81
90.917	0.00	0.01	0.023	IO					0.81
91.000	0.00	0.01	0.023	IO					0.80
91.083	0.00	0.01	0.022	IO					0.80
91.167	0.00	0.01	0.022	IO					0.79
91.250	0.00	0.01	0.022	IO					0.79
91.333	0.00	0.01	0.022	IO					0.79
91.417	0.00	0.01	0.022	IO					0.78
91.500	0.00	0.01	0.022	IO					0.78
91.583	0.00	0.01	0.022	IO					0.78
91.667	0.00	0.01	0.022	IO					0.77
91.750	0.00	0.01	0.022	IO					0.77
91.833	0.00	0.01	0.022	IO					0.77
91.917	0.00	0.01	0.021	IO					0.76
92.000	0.00	0.01	0.021	IO					0.76
92.083	0.00	0.01	0.021	IO					0.76
92.167	0.00	0.01	0.021	IO					0.75
92.250	0.00	0.01	0.021	IO					0.75
92.333	0.00	0.01	0.021	IO					0.75
92.417	0.00	0.01	0.021	IO					0.74
92.500	0.00	0.01	0.021	IO					0.74
92.583	0.00	0.01	0.021	IO					0.74
92.667	0.00	0.01	0.021	IO					0.73
92.750	0.00	0.01	0.020	IO					0.73
92.833	0.00	0.01	0.020	IO					0.73
92.917	0.00	0.01	0.020	IO					0.72
93.000	0.00	0.01	0.020	IO					0.72
93.083	0.00	0.01	0.020	IO					0.72
93.167	0.00	0.01	0.020	IO					0.71
93.250	0.00	0.01	0.020	IO					0.71
93.333	0.00	0.01	0.020	IO					0.71
93.417	0.00	0.01	0.020	IO					0.70
93.500	0.00	0.01	0.020	IO					0.70
93.583	0.00	0.01	0.020	IO					0.70
93.667	0.00	0.01	0.019	IO					0.69

93.750	0.00	0.01	0.019	IO					0.69
93.833	0.00	0.01	0.019	IO					0.69
93.917	0.00	0.01	0.019	IO					0.68
94.000	0.00	0.01	0.019	IO					0.68
94.083	0.00	0.01	0.019	IO					0.68
94.167	0.00	0.01	0.019	IO					0.67
94.250	0.00	0.01	0.019	IO					0.67
94.333	0.00	0.01	0.019	IO					0.67
94.417	0.00	0.01	0.019	IO					0.66
94.500	0.00	0.01	0.019	IO					0.66
94.583	0.00	0.01	0.018	IO					0.66
94.667	0.00	0.01	0.018	IO					0.65
94.750	0.00	0.01	0.018	IO					0.65
94.833	0.00	0.01	0.018	IO					0.65
94.917	0.00	0.01	0.018	IO					0.64
95.000	0.00	0.01	0.018	IO					0.64
95.083	0.00	0.01	0.018	IO					0.64
95.167	0.00	0.01	0.018	IO					0.63
95.250	0.00	0.01	0.018	IO					0.63
95.333	0.00	0.01	0.018	IO					0.63
95.417	0.00	0.01	0.018	IO					0.62
95.500	0.00	0.01	0.017	IO					0.62
95.583	0.00	0.01	0.017	IO					0.62
95.667	0.00	0.01	0.017	IO					0.61
95.750	0.00	0.01	0.017	IO					0.61
95.833	0.00	0.01	0.017	IO					0.61
95.917	0.00	0.01	0.017	IO					0.60
96.000	0.00	0.01	0.017	IO					0.60
96.083	0.00	0.01	0.017	IO					0.60
96.167	0.00	0.01	0.017	IO					0.59
96.250	0.00	0.01	0.017	IO					0.59
96.333	0.00	0.01	0.017	IO					0.59
96.417	0.00	0.01	0.017	IO					0.59
96.500	0.00	0.01	0.016	IO					0.58
96.583	0.00	0.01	0.016	IO					0.58
96.667	0.00	0.01	0.016	IO					0.58
96.750	0.00	0.01	0.016	IO					0.57
96.833	0.00	0.01	0.016	IO					0.57
96.917	0.00	0.01	0.016	IO					0.57
97.000	0.00	0.01	0.016	O					0.56
97.083	0.00	0.01	0.016	O					0.56
97.167	0.00	0.01	0.016	O					0.56
97.250	0.00	0.01	0.016	O					0.55
97.333	0.00	0.01	0.016	O					0.55
97.417	0.00	0.01	0.016	O					0.55
97.500	0.00	0.01	0.015	O					0.55
97.583	0.00	0.01	0.015	O					0.54
97.667	0.00	0.01	0.015	O					0.54
97.750	0.00	0.01	0.015	O					0.54
97.833	0.00	0.01	0.015	O					0.53

97.917	0.00	0.01	0.015	0					0.53
98.000	0.00	0.01	0.015	0					0.53
98.083	0.00	0.01	0.015	0					0.52
98.167	0.00	0.01	0.015	0					0.52
98.250	0.00	0.01	0.015	0					0.52
98.333	0.00	0.01	0.015	0					0.52
98.417	0.00	0.01	0.015	0					0.51
98.500	0.00	0.01	0.014	0					0.51
98.583	0.00	0.01	0.014	0					0.51
98.667	0.00	0.01	0.014	0					0.50
98.750	0.00	0.01	0.014	0					0.50
98.833	0.00	0.01	0.014	0					0.50
98.917	0.00	0.01	0.014	0					0.50
99.000	0.00	0.01	0.014	0					0.49
99.083	0.00	0.01	0.014	0					0.49
99.167	0.00	0.01	0.014	0					0.49
99.250	0.00	0.01	0.014	0					0.48
99.333	0.00	0.01	0.014	0					0.48
99.417	0.00	0.01	0.014	0					0.48
99.500	0.00	0.01	0.013	0					0.48
99.583	0.00	0.01	0.013	0					0.47
99.667	0.00	0.01	0.013	0					0.47
99.750	0.00	0.01	0.013	0					0.47
99.833	0.00	0.01	0.013	0					0.46
99.917	0.00	0.01	0.013	0					0.46
100.000	0.00	0.01	0.013	0					0.46
100.083	0.00	0.01	0.013	0					0.46
100.167	0.00	0.01	0.013	0					0.45
100.250	0.00	0.01	0.013	0					0.45
100.333	0.00	0.01	0.013	0					0.45
100.417	0.00	0.01	0.013	0					0.44
100.500	0.00	0.01	0.013	0					0.44
100.583	0.00	0.01	0.012	0					0.44
100.667	0.00	0.01	0.012	0					0.44
100.750	0.00	0.01	0.012	0					0.43
100.833	0.00	0.01	0.012	0					0.43
100.917	0.00	0.01	0.012	0					0.43
101.000	0.00	0.01	0.012	0					0.42
101.083	0.00	0.01	0.012	0					0.42
101.167	0.00	0.01	0.012	0					0.42
101.250	0.00	0.01	0.012	0					0.42
101.333	0.00	0.01	0.012	0					0.41
101.417	0.00	0.01	0.012	0					0.41
101.500	0.00	0.01	0.012	0					0.41
101.583	0.00	0.01	0.012	0					0.41
101.667	0.00	0.01	0.011	0					0.40
101.750	0.00	0.01	0.011	0					0.40
101.833	0.00	0.01	0.011	0					0.40
101.917	0.00	0.01	0.011	0					0.39
102.000	0.00	0.01	0.011	0					0.39

102.083	0.00	0.01	0.011	0					0.39
102.167	0.00	0.01	0.011	0					0.39
102.250	0.00	0.01	0.011	0					0.38
102.333	0.00	0.01	0.011	0					0.38
102.417	0.00	0.01	0.011	0					0.38
102.500	0.00	0.01	0.011	0					0.38
102.583	0.00	0.01	0.011	0					0.37
102.667	0.00	0.01	0.011	0					0.37
102.750	0.00	0.01	0.011	0					0.37
102.833	0.00	0.01	0.010	0					0.36
102.917	0.00	0.01	0.010	0					0.36
103.000	0.00	0.01	0.010	0					0.36
103.083	0.00	0.01	0.010	0					0.36
103.167	0.00	0.01	0.010	0					0.35
103.250	0.00	0.01	0.010	0					0.35
103.333	0.00	0.01	0.010	0					0.35
103.417	0.00	0.01	0.010	0					0.35
103.500	0.00	0.01	0.010	0					0.34
103.583	0.00	0.01	0.010	0					0.34
103.667	0.00	0.01	0.010	0					0.34
103.750	0.00	0.01	0.010	0					0.34
103.833	0.00	0.01	0.010	0					0.33
103.917	0.00	0.01	0.009	0					0.33
104.000	0.00	0.01	0.009	0					0.33
104.083	0.00	0.01	0.009	0					0.33
104.167	0.00	0.01	0.009	0					0.32
104.250	0.00	0.01	0.009	0					0.32
104.333	0.00	0.01	0.009	0					0.32
104.417	0.00	0.01	0.009	0					0.32
104.500	0.00	0.01	0.009	0					0.31
104.583	0.00	0.01	0.009	0					0.31
104.667	0.00	0.01	0.009	0					0.31
104.750	0.00	0.01	0.009	0					0.31
104.833	0.00	0.01	0.009	0					0.30
104.917	0.00	0.01	0.009	0					0.30
105.000	0.00	0.01	0.009	0					0.30
105.083	0.00	0.01	0.009	0					0.30
105.167	0.00	0.01	0.008	0					0.29
105.250	0.00	0.01	0.008	0					0.29
105.333	0.00	0.01	0.008	0					0.29
105.417	0.00	0.01	0.008	0					0.29
105.500	0.00	0.01	0.008	0					0.28
105.583	0.00	0.01	0.008	0					0.28
105.667	0.00	0.01	0.008	0					0.28
105.750	0.00	0.01	0.008	0					0.28
105.833	0.00	0.01	0.008	0					0.27
105.917	0.00	0.01	0.008	0					0.27
106.000	0.00	0.01	0.008	0					0.27
106.083	0.00	0.01	0.008	0					0.27
106.167	0.00	0.01	0.008	0					0.26

106.250	0.00	0.01	0.008	0					0.26
106.333	0.00	0.01	0.008	0					0.26
106.417	0.00	0.01	0.007	0					0.26
106.500	0.00	0.01	0.007	0					0.25
106.583	0.00	0.01	0.007	0					0.25
106.667	0.00	0.01	0.007	0					0.25
106.750	0.00	0.01	0.007	0					0.25
106.833	0.00	0.01	0.007	0					0.24
106.917	0.00	0.01	0.007	0					0.24
107.000	0.00	0.01	0.007	0					0.24
107.083	0.00	0.01	0.007	0					0.24
107.167	0.00	0.01	0.007	0					0.24
107.250	0.00	0.01	0.007	0					0.23
107.333	0.00	0.01	0.007	0					0.23
107.417	0.00	0.01	0.007	0					0.23
107.500	0.00	0.01	0.007	0					0.23
107.583	0.00	0.01	0.007	0					0.22
107.667	0.00	0.01	0.006	0					0.22
107.750	0.00	0.01	0.006	0					0.22
107.833	0.00	0.01	0.006	0					0.22
107.917	0.00	0.01	0.006	0					0.21
108.000	0.00	0.01	0.006	0					0.21
108.083	0.00	0.01	0.006	0					0.21
108.167	0.00	0.01	0.006	0					0.21
108.250	0.00	0.01	0.006	0					0.20
108.333	0.00	0.01	0.006	0					0.20
108.417	0.00	0.01	0.006	0					0.20
108.500	0.00	0.01	0.006	0					0.20
108.583	0.00	0.01	0.006	0					0.20
108.667	0.00	0.01	0.006	0					0.19
108.750	0.00	0.01	0.006	0					0.19
108.833	0.00	0.01	0.006	0					0.19
108.917	0.00	0.01	0.005	0					0.19
109.000	0.00	0.01	0.005	0					0.18
109.083	0.00	0.01	0.005	0					0.18
109.167	0.00	0.01	0.005	0					0.18
109.250	0.00	0.01	0.005	0					0.18
109.333	0.00	0.01	0.005	0					0.18
109.417	0.00	0.01	0.005	0					0.17
109.500	0.00	0.01	0.005	0					0.17
109.583	0.00	0.01	0.005	0					0.17
109.667	0.00	0.01	0.005	0					0.17
109.750	0.00	0.01	0.005	0					0.16
109.833	0.00	0.01	0.005	0					0.16
109.917	0.00	0.01	0.005	0					0.16
110.000	0.00	0.01	0.005	0					0.16
110.083	0.00	0.01	0.005	0					0.16
110.167	0.00	0.01	0.005	0					0.15
110.250	0.00	0.01	0.005	0					0.15
110.333	0.00	0.01	0.004	0					0.15

110.417	0.00	0.01	0.004	0					0.15
110.500	0.00	0.01	0.004	0					0.14
110.583	0.00	0.01	0.004	0					0.14
110.667	0.00	0.01	0.004	0					0.14
110.750	0.00	0.01	0.004	0					0.14
110.833	0.00	0.01	0.004	0					0.14
110.917	0.00	0.01	0.004	0					0.13
111.000	0.00	0.01	0.004	0					0.13
111.083	0.00	0.01	0.004	0					0.13
111.167	0.00	0.01	0.004	0					0.13
111.250	0.00	0.01	0.004	0					0.13
111.333	0.00	0.01	0.004	0					0.12
111.417	0.00	0.01	0.004	0					0.12
111.500	0.00	0.01	0.004	0					0.12
111.583	0.00	0.01	0.004	0					0.12
111.667	0.00	0.01	0.004	0					0.11
111.750	0.00	0.01	0.003	0					0.11
111.833	0.00	0.01	0.003	0					0.11
111.917	0.00	0.01	0.003	0					0.11
112.000	0.00	0.01	0.003	0					0.11
112.083	0.00	0.01	0.003	0					0.10
112.167	0.00	0.01	0.003	0					0.10
112.250	0.00	0.01	0.003	0					0.10
112.333	0.00	0.01	0.003	0					0.10
112.417	0.00	0.01	0.003	0					0.10
112.500	0.00	0.01	0.003	0					0.09
112.583	0.00	0.01	0.003	0					0.09
112.667	0.00	0.01	0.003	0					0.09
112.750	0.00	0.01	0.003	0					0.09
112.833	0.00	0.01	0.003	0					0.09
112.917	0.00	0.01	0.003	0					0.08
113.000	0.00	0.01	0.003	0					0.08
113.083	0.00	0.01	0.003	0					0.08
113.167	0.00	0.01	0.002	0					0.08
113.250	0.00	0.01	0.002	0					0.08
113.333	0.00	0.01	0.002	0					0.07
113.417	0.00	0.01	0.002	0					0.07
113.500	0.00	0.01	0.002	0					0.07
113.583	0.00	0.01	0.002	0					0.07
113.667	0.00	0.01	0.002	0					0.07
113.750	0.00	0.01	0.002	0					0.06
113.833	0.00	0.01	0.002	0					0.06
113.917	0.00	0.01	0.002	0					0.06
114.000	0.00	0.01	0.002	0					0.06
114.083	0.00	0.01	0.002	0					0.06
114.167	0.00	0.01	0.002	0					0.05
114.250	0.00	0.01	0.002	0					0.05
114.333	0.00	0.01	0.002	0					0.05
114.417	0.00	0.01	0.002	0					0.05
114.500	0.00	0.01	0.002	0					0.05

114.583	0.00	0.01	0.002	0					0.05
114.667	0.00	0.01	0.002	0					0.05
114.750	0.00	0.01	0.002	0					0.05
114.833	0.00	0.01	0.001	0					0.04
114.917	0.00	0.01	0.001	0					0.04
115.000	0.00	0.01	0.001	0					0.04
115.083	0.00	0.01	0.001	0					0.04
115.167	0.00	0.01	0.001	0					0.04
115.250	0.00	0.01	0.001	0					0.04
115.333	0.00	0.00	0.001	0					0.04
115.417	0.00	0.00	0.001	0					0.04
115.500	0.00	0.00	0.001	0					0.04
115.583	0.00	0.00	0.001	0					0.03
115.667	0.00	0.00	0.001	0					0.03
115.750	0.00	0.00	0.001	0					0.03
115.833	0.00	0.00	0.001	0					0.03
115.917	0.00	0.00	0.001	0					0.03
116.000	0.00	0.00	0.001	0					0.03
116.083	0.00	0.00	0.001	0					0.03
116.167	0.00	0.00	0.001	0					0.03
116.250	0.00	0.00	0.001	0					0.03
116.333	0.00	0.00	0.001	0					0.03
116.417	0.00	0.00	0.001	0					0.03
116.500	0.00	0.00	0.001	0					0.03
116.583	0.00	0.00	0.001	0					0.02
116.667	0.00	0.00	0.001	0					0.02
116.750	0.00	0.00	0.001	0					0.02
116.833	0.00	0.00	0.001	0					0.02
116.917	0.00	0.00	0.001	0					0.02
117.000	0.00	0.00	0.001	0					0.02
117.083	0.00	0.00	0.001	0					0.02
117.167	0.00	0.00	0.001	0					0.02
117.250	0.00	0.00	0.001	0					0.02
117.333	0.00	0.00	0.001	0					0.02
117.417	0.00	0.00	0.001	0					0.02
117.500	0.00	0.00	0.001	0					0.02
117.583	0.00	0.00	0.001	0					0.02
117.667	0.00	0.00	0.001	0					0.02
117.750	0.00	0.00	0.001	0					0.02
117.833	0.00	0.00	0.001	0					0.02
117.917	0.00	0.00	0.001	0					0.02
118.000	0.00	0.00	0.001	0					0.02
118.083	0.00	0.00	0.000	0					0.01
118.167	0.00	0.00	0.000	0					0.01
118.250	0.00	0.00	0.000	0					0.01
118.333	0.00	0.00	0.000	0					0.01
118.417	0.00	0.00	0.000	0					0.01
118.500	0.00	0.00	0.000	0					0.01
118.583	0.00	0.00	0.000	0					0.01
118.667	0.00	0.00	0.000	0					0.01

118.750	0.00	0.00	0.000	0					0.01
118.833	0.00	0.00	0.000	0					0.01
118.917	0.00	0.00	0.000	0					0.01
119.000	0.00	0.00	0.000	0					0.01
119.083	0.00	0.00	0.000	0					0.01
119.167	0.00	0.00	0.000	0					0.01
119.250	0.00	0.00	0.000	0					0.01
119.333	0.00	0.00	0.000	0					0.01
119.417	0.00	0.00	0.000	0					0.01
119.500	0.00	0.00	0.000	0					0.01
119.583	0.00	0.00	0.000	0					0.01
119.667	0.00	0.00	0.000	0					0.01
119.750	0.00	0.00	0.000	0					0.01
119.833	0.00	0.00	0.000	0					0.01
119.917	0.00	0.00	0.000	0					0.01
120.000	0.00	0.00	0.000	0					0.01
120.083	0.00	0.00	0.000	0					0.01
120.167	0.00	0.00	0.000	0					0.01
120.250	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1443

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.125 (CFS)

Total volume = 0.226 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
10 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da1610.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.199 (CFS)
Total volume = 0.137 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.3	0.60	0.90	1.20	Depth (Ft.)
0.083	0.06	0.00	0.000	O I					0.01
0.167	0.10	0.00	0.001	O I					0.02
0.250	0.11	0.01	0.001	O I					0.04
0.333	0.11	0.01	0.002	O I					0.07
0.417	0.11	0.01	0.003	O I					0.09
0.500	0.12	0.01	0.004	O I					0.12
0.583	0.13	0.01	0.004	O I					0.15
0.667	0.13	0.01	0.005	O I					0.18
0.750	0.13	0.01	0.006	O I					0.21
0.833	0.13	0.01	0.007	O I					0.24
0.917	0.13	0.01	0.008	O I					0.27
1.000	0.14	0.01	0.009	O I					0.30
1.083	0.15	0.01	0.010	O I					0.33
1.167	0.15	0.01	0.011	O I					0.37
1.250	0.15	0.01	0.012	O I					0.40
1.333	0.15	0.01	0.012	O I					0.44
1.417	0.15	0.01	0.013	O I					0.47
1.500	0.15	0.01	0.014	O I					0.51
1.583	0.15	0.01	0.015	O I					0.54
1.667	0.15	0.01	0.016	O I					0.58
1.750	0.15	0.01	0.017	O I					0.61
1.833	0.15	0.01	0.018	O I					0.64
1.917	0.15	0.01	0.019	O I					0.68
2.000	0.16	0.01	0.020	O I					0.71

2.083	0.16	0.01	0.021	0	I						0.75
2.167	0.16	0.01	0.022	0	I						0.79
2.250	0.17	0.01	0.023	0	I						0.82
2.333	0.17	0.01	0.024	0	I						0.86
2.417	0.17	0.02	0.025	0	I						0.90
2.500	0.17	0.02	0.026	0	I						0.94
2.583	0.17	0.02	0.027	0	I						0.98
2.667	0.17	0.02	0.028	0	I						1.01
2.750	0.18	0.02	0.029	0	I						1.03
2.833	0.19	0.02	0.031	0	I						1.06
2.917	0.19	0.02	0.032	0	I						1.08
3.000	0.19	0.02	0.033	0	I						1.11
3.083	0.19	0.02	0.034	0	I						1.13
3.167	0.20	0.02	0.035	0	I						1.16
3.250	0.21	0.02	0.037	0	I						1.19
3.333	0.21	0.02	0.038	0	I						1.22
3.417	0.22	0.02	0.039	0	I						1.24
3.500	0.24	0.02	0.041	0	I						1.28
3.583	0.25	0.02	0.042	0	I						1.31
3.667	0.26	0.02	0.044	0	I						1.35
3.750	0.27	0.02	0.046	0	I						1.38
3.833	0.28	0.02	0.047	0	I						1.42
3.917	0.29	0.02	0.049	0	I						1.46
4.000	0.30	0.02	0.051	0	I						1.50
4.083	0.31	0.02	0.053	0	I						1.55
4.167	0.33	0.02	0.055	0	I						1.59
4.250	0.35	0.02	0.057	0	I						1.64
4.333	0.37	0.02	0.060	0	I						1.69
4.417	0.39	0.02	0.062	0	I						1.74
4.500	0.40	0.02	0.065	0	I						1.80
4.583	0.42	0.02	0.068	0	I						1.86
4.667	0.45	0.02	0.070	0	I						1.92
4.750	0.47	0.02	0.073	0	I						1.99
4.833	0.48	0.02	0.076	0	I						2.05
4.917	0.50	0.02	0.080	0	I						2.11
5.000	0.52	0.02	0.083	0	I						2.18
5.083	0.61	0.02	0.087	0		I					2.25
5.167	0.73	0.02	0.091	0			I				2.34
5.250	0.83	0.02	0.097	0				I			2.44
5.333	0.90	0.02	0.102	0					I		2.56
5.417	1.01	0.02	0.109	0						I	2.69
5.500	1.20	0.04	0.116	0							2.83
5.583	0.70	0.05	0.123	0			I				2.95
5.667	0.28	0.05	0.126	0	I						3.01
5.750	0.14	0.05	0.127	0	I						3.04
5.833	0.10	0.05	0.127	0	I						3.05
5.917	0.07	0.05	0.127	0							3.05
6.000	0.05	0.05	0.127	0							3.05
6.083	0.01	0.05	0.127	0							3.05
6.167	0.00	0.05	0.127	0							3.04

6.250	0.00	0.05	0.127	IO					3.04
6.333	0.00	0.05	0.126	IO					3.03
6.417	0.00	0.05	0.126	IO					3.02
6.500	0.00	0.05	0.126	IO					3.01
6.583	0.00	0.05	0.125	IO					3.00
6.667	0.00	0.05	0.125	IO					3.00
6.750	0.00	0.05	0.124	IO					2.99
6.833	0.00	0.05	0.124	IO					2.98
6.917	0.00	0.05	0.124	IO					2.98
7.000	0.00	0.05	0.123	IO					2.97
7.083	0.00	0.05	0.123	IO					2.96
7.167	0.00	0.05	0.123	IO					2.96
7.250	0.00	0.05	0.122	IO					2.95
7.333	0.00	0.05	0.122	IO					2.94
7.417	0.00	0.05	0.122	IO					2.94
7.500	0.00	0.05	0.122	IO					2.93
7.583	0.00	0.04	0.121	IO					2.92
7.667	0.00	0.04	0.121	IO					2.92
7.750	0.00	0.04	0.121	IO					2.91
7.833	0.00	0.04	0.120	IO					2.91
7.917	0.00	0.04	0.120	IO					2.90
8.000	0.00	0.04	0.120	IO					2.89
8.083	0.00	0.04	0.119	IO					2.89
8.167	0.00	0.04	0.119	IO					2.88
8.250	0.00	0.04	0.119	IO					2.88
8.333	0.00	0.04	0.119	IO					2.87
8.417	0.00	0.04	0.118	IO					2.87
8.500	0.00	0.04	0.118	IO					2.86
8.583	0.00	0.04	0.118	IO					2.86
8.667	0.00	0.04	0.118	IO					2.85
8.750	0.00	0.04	0.117	IO					2.84
8.833	0.00	0.04	0.117	0					2.84
8.917	0.00	0.04	0.117	0					2.83
9.000	0.00	0.04	0.116	0					2.83
9.083	0.00	0.04	0.116	0					2.82
9.167	0.00	0.04	0.116	0					2.82
9.250	0.00	0.04	0.116	0					2.81
9.333	0.00	0.03	0.115	0					2.81
9.417	0.00	0.03	0.115	0					2.81
9.500	0.00	0.03	0.115	0					2.80
9.583	0.00	0.03	0.115	0					2.80
9.667	0.00	0.03	0.115	0					2.79
9.750	0.00	0.03	0.114	0					2.79
9.833	0.00	0.03	0.114	0					2.79
9.917	0.00	0.03	0.114	0					2.78
10.000	0.00	0.03	0.114	0					2.78
10.083	0.00	0.03	0.114	0					2.78
10.167	0.00	0.02	0.113	0					2.77
10.250	0.00	0.02	0.113	0					2.77
10.333	0.00	0.02	0.113	0					2.77

10.417	0.00	0.02	0.113	0					2.77
10.500	0.00	0.02	0.113	0					2.76
10.583	0.00	0.02	0.113	0					2.76
10.667	0.00	0.02	0.113	0					2.76
10.750	0.00	0.02	0.112	0					2.76
10.833	0.00	0.02	0.112	0					2.75
10.917	0.00	0.02	0.112	0					2.75
11.000	0.00	0.02	0.112	0					2.75
11.083	0.00	0.02	0.112	0					2.75
11.167	0.00	0.02	0.112	0					2.75
11.250	0.00	0.02	0.112	0					2.74
11.333	0.00	0.02	0.112	0					2.74
11.417	0.00	0.02	0.111	0					2.74
11.500	0.00	0.02	0.111	0					2.74
11.583	0.00	0.02	0.111	0					2.74
11.667	0.00	0.02	0.111	0					2.73
11.750	0.00	0.02	0.111	0					2.73
11.833	0.00	0.02	0.111	0					2.73
11.917	0.00	0.02	0.111	0					2.73
12.000	0.00	0.02	0.111	0					2.72
12.083	0.00	0.02	0.111	0					2.72
12.167	0.00	0.02	0.110	0					2.72
12.250	0.00	0.02	0.110	0					2.72
12.333	0.00	0.02	0.110	0					2.72
12.417	0.00	0.02	0.110	0					2.71
12.500	0.00	0.02	0.110	0					2.71
12.583	0.00	0.02	0.110	0					2.71
12.667	0.00	0.02	0.110	0					2.71
12.750	0.00	0.02	0.110	0					2.70
12.833	0.00	0.02	0.110	0					2.70
12.917	0.00	0.02	0.109	0					2.70
13.000	0.00	0.02	0.109	0					2.70
13.083	0.00	0.02	0.109	0					2.70
13.167	0.00	0.02	0.109	0					2.69
13.250	0.00	0.02	0.109	0					2.69
13.333	0.00	0.02	0.109	0					2.69
13.417	0.00	0.02	0.109	0					2.69
13.500	0.00	0.02	0.109	0					2.68
13.583	0.00	0.02	0.109	0					2.68
13.667	0.00	0.02	0.108	0					2.68
13.750	0.00	0.02	0.108	0					2.68
13.833	0.00	0.02	0.108	0					2.68
13.917	0.00	0.02	0.108	0					2.67
14.000	0.00	0.02	0.108	0					2.67
14.083	0.00	0.02	0.108	0					2.67
14.167	0.00	0.02	0.108	0					2.67
14.250	0.00	0.02	0.108	0					2.66
14.333	0.00	0.02	0.108	0					2.66
14.417	0.00	0.02	0.107	0					2.66
14.500	0.00	0.02	0.107	0					2.66

14.583	0.00	0.02	0.107	0					2.66
14.667	0.00	0.02	0.107	0					2.65
14.750	0.00	0.02	0.107	0					2.65
14.833	0.00	0.02	0.107	0					2.65
14.917	0.00	0.02	0.107	0					2.65
15.000	0.00	0.02	0.107	0					2.64
15.083	0.00	0.02	0.106	0					2.64
15.167	0.00	0.02	0.106	0					2.64
15.250	0.00	0.02	0.106	0					2.64
15.333	0.00	0.02	0.106	0					2.63
15.417	0.00	0.02	0.106	0					2.63
15.500	0.00	0.02	0.106	0					2.63
15.583	0.00	0.02	0.106	0					2.63
15.667	0.00	0.02	0.106	0					2.63
15.750	0.00	0.02	0.106	0					2.62
15.833	0.00	0.02	0.105	0					2.62
15.917	0.00	0.02	0.105	0					2.62
16.000	0.00	0.02	0.105	0					2.62
16.083	0.00	0.02	0.105	0					2.61
16.167	0.00	0.02	0.105	0					2.61
16.250	0.00	0.02	0.105	0					2.61
16.333	0.00	0.02	0.105	0					2.61
16.417	0.00	0.02	0.105	0					2.60
16.500	0.00	0.02	0.105	0					2.60
16.583	0.00	0.02	0.104	0					2.60
16.667	0.00	0.02	0.104	0					2.60
16.750	0.00	0.02	0.104	0					2.59
16.833	0.00	0.02	0.104	0					2.59
16.917	0.00	0.02	0.104	0					2.59
17.000	0.00	0.02	0.104	0					2.59
17.083	0.00	0.02	0.104	0					2.59
17.167	0.00	0.02	0.104	0					2.58
17.250	0.00	0.02	0.103	0					2.58
17.333	0.00	0.02	0.103	0					2.58
17.417	0.00	0.02	0.103	0					2.58
17.500	0.00	0.02	0.103	0					2.57
17.583	0.00	0.02	0.103	0					2.57
17.667	0.00	0.02	0.103	0					2.57
17.750	0.00	0.02	0.103	0					2.57
17.833	0.00	0.02	0.103	0					2.56
17.917	0.00	0.02	0.102	0					2.56
18.000	0.00	0.02	0.102	0					2.56
18.083	0.00	0.02	0.102	0					2.56
18.167	0.00	0.02	0.102	0					2.55
18.250	0.00	0.02	0.102	0					2.55
18.333	0.00	0.02	0.102	0					2.55
18.417	0.00	0.02	0.102	0					2.55
18.500	0.00	0.02	0.102	0					2.55
18.583	0.00	0.02	0.102	0					2.54
18.667	0.00	0.02	0.101	0					2.54

18.750	0.00	0.02	0.101	0					2.54
18.833	0.00	0.02	0.101	0					2.54
18.917	0.00	0.02	0.101	0					2.53
19.000	0.00	0.02	0.101	0					2.53
19.083	0.00	0.02	0.101	0					2.53
19.167	0.00	0.02	0.101	0					2.53
19.250	0.00	0.02	0.101	0					2.52
19.333	0.00	0.02	0.100	0					2.52
19.417	0.00	0.02	0.100	0					2.52
19.500	0.00	0.02	0.100	0					2.52
19.583	0.00	0.02	0.100	0					2.51
19.667	0.00	0.02	0.100	0					2.51
19.750	0.00	0.02	0.100	0					2.51
19.833	0.00	0.02	0.100	0					2.51
19.917	0.00	0.02	0.100	0					2.50
20.000	0.00	0.02	0.099	0					2.50
20.083	0.00	0.02	0.099	0					2.50
20.167	0.00	0.02	0.099	0					2.50
20.250	0.00	0.02	0.099	0					2.49
20.333	0.00	0.02	0.099	0					2.49
20.417	0.00	0.02	0.099	0					2.49
20.500	0.00	0.02	0.099	0					2.49
20.583	0.00	0.02	0.099	0					2.48
20.667	0.00	0.02	0.098	0					2.48
20.750	0.00	0.02	0.098	0					2.48
20.833	0.00	0.02	0.098	0					2.48
20.917	0.00	0.02	0.098	0					2.47
21.000	0.00	0.02	0.098	0					2.47
21.083	0.00	0.02	0.098	0					2.47
21.167	0.00	0.02	0.098	0					2.47
21.250	0.00	0.02	0.098	0					2.46
21.333	0.00	0.02	0.097	0					2.46
21.417	0.00	0.02	0.097	0					2.46
21.500	0.00	0.02	0.097	0					2.46
21.583	0.00	0.02	0.097	0					2.45
21.667	0.00	0.02	0.097	0					2.45
21.750	0.00	0.02	0.097	0					2.45
21.833	0.00	0.02	0.097	0					2.45
21.917	0.00	0.02	0.097	0					2.44
22.000	0.00	0.02	0.096	0					2.44
22.083	0.00	0.02	0.096	0					2.44
22.167	0.00	0.02	0.096	0					2.44
22.250	0.00	0.02	0.096	0					2.43
22.333	0.00	0.02	0.096	0					2.43
22.417	0.00	0.02	0.096	0					2.43
22.500	0.00	0.02	0.096	0					2.43
22.583	0.00	0.02	0.096	0					2.42
22.667	0.00	0.02	0.095	0					2.42
22.750	0.00	0.02	0.095	0					2.42
22.833	0.00	0.02	0.095	0					2.42

22.917	0.00	0.02	0.095	0					2.41
23.000	0.00	0.02	0.095	0					2.41
23.083	0.00	0.02	0.095	0					2.41
23.167	0.00	0.02	0.095	0					2.41
23.250	0.00	0.02	0.094	0					2.40
23.333	0.00	0.02	0.094	0					2.40
23.417	0.00	0.02	0.094	0					2.40
23.500	0.00	0.02	0.094	0					2.40
23.583	0.00	0.02	0.094	0					2.39
23.667	0.00	0.02	0.094	0					2.39
23.750	0.00	0.02	0.094	0					2.39
23.833	0.00	0.02	0.094	0					2.39
23.917	0.00	0.02	0.093	0					2.38
24.000	0.00	0.02	0.093	0					2.38
24.083	0.00	0.02	0.093	0					2.38
24.167	0.00	0.02	0.093	0					2.38
24.250	0.00	0.02	0.093	0					2.37
24.333	0.00	0.02	0.093	0					2.37
24.417	0.00	0.02	0.093	0					2.37
24.500	0.00	0.02	0.093	0					2.37
24.583	0.00	0.02	0.092	0					2.36
24.667	0.00	0.02	0.092	0					2.36
24.750	0.00	0.02	0.092	0					2.36
24.833	0.00	0.02	0.092	0					2.36
24.917	0.00	0.02	0.092	0					2.35
25.000	0.00	0.02	0.092	0					2.35
25.083	0.00	0.02	0.092	0					2.35
25.167	0.00	0.02	0.091	0					2.34
25.250	0.00	0.02	0.091	0					2.34
25.333	0.00	0.02	0.091	0					2.34
25.417	0.00	0.02	0.091	0					2.34
25.500	0.00	0.02	0.091	0					2.33
25.583	0.00	0.02	0.091	0					2.33
25.667	0.00	0.02	0.091	0					2.33
25.750	0.00	0.02	0.091	0					2.33
25.833	0.00	0.02	0.090	0					2.32
25.917	0.00	0.02	0.090	0					2.32
26.000	0.00	0.02	0.090	0					2.32
26.083	0.00	0.02	0.090	0					2.32
26.167	0.00	0.02	0.090	0					2.31
26.250	0.00	0.02	0.090	0					2.31
26.333	0.00	0.02	0.090	0					2.31
26.417	0.00	0.02	0.089	0					2.31
26.500	0.00	0.02	0.089	0					2.30
26.583	0.00	0.02	0.089	0					2.30
26.667	0.00	0.02	0.089	0					2.30
26.750	0.00	0.02	0.089	0					2.29
26.833	0.00	0.02	0.089	0					2.29
26.917	0.00	0.02	0.089	0					2.29
27.000	0.00	0.02	0.089	0					2.29

27.083	0.00	0.02	0.088	0					2.28
27.167	0.00	0.02	0.088	0					2.28
27.250	0.00	0.02	0.088	0					2.28
27.333	0.00	0.02	0.088	0					2.28
27.417	0.00	0.02	0.088	0					2.27
27.500	0.00	0.02	0.088	0					2.27
27.583	0.00	0.02	0.088	0					2.27
27.667	0.00	0.02	0.087	0					2.27
27.750	0.00	0.02	0.087	0					2.26
27.833	0.00	0.02	0.087	0					2.26
27.917	0.00	0.02	0.087	0					2.26
28.000	0.00	0.02	0.087	0					2.25
28.083	0.00	0.02	0.087	0					2.25
28.167	0.00	0.02	0.087	0					2.25
28.250	0.00	0.02	0.086	0					2.25
28.333	0.00	0.02	0.086	0					2.24
28.417	0.00	0.02	0.086	0					2.24
28.500	0.00	0.02	0.086	0					2.24
28.583	0.00	0.02	0.086	0					2.24
28.667	0.00	0.02	0.086	0					2.23
28.750	0.00	0.02	0.086	0					2.23
28.833	0.00	0.02	0.085	0					2.23
28.917	0.00	0.02	0.085	0					2.22
29.000	0.00	0.02	0.085	0					2.22
29.083	0.00	0.02	0.085	0					2.22
29.167	0.00	0.02	0.085	0					2.22
29.250	0.00	0.02	0.085	0					2.21
29.333	0.00	0.02	0.085	0					2.21
29.417	0.00	0.02	0.085	0					2.21
29.500	0.00	0.02	0.084	0					2.20
29.583	0.00	0.02	0.084	0					2.20
29.667	0.00	0.02	0.084	0					2.20
29.750	0.00	0.02	0.084	0					2.20
29.833	0.00	0.02	0.084	0					2.19
29.917	0.00	0.02	0.084	0					2.19
30.000	0.00	0.02	0.084	0					2.19
30.083	0.00	0.02	0.083	0					2.19
30.167	0.00	0.02	0.083	0					2.18
30.250	0.00	0.02	0.083	0					2.18
30.333	0.00	0.02	0.083	0					2.18
30.417	0.00	0.02	0.083	0					2.17
30.500	0.00	0.02	0.083	0					2.17
30.583	0.00	0.02	0.083	0					2.17
30.667	0.00	0.02	0.082	0					2.17
30.750	0.00	0.02	0.082	0					2.16
30.833	0.00	0.02	0.082	0					2.16
30.917	0.00	0.02	0.082	0					2.16
31.000	0.00	0.02	0.082	0					2.15
31.083	0.00	0.02	0.082	0					2.15
31.167	0.00	0.02	0.082	0					2.15

31.250	0.00	0.02	0.081	0					2.15
31.333	0.00	0.02	0.081	0					2.14
31.417	0.00	0.02	0.081	0					2.14
31.500	0.00	0.02	0.081	0					2.14
31.583	0.00	0.02	0.081	0					2.13
31.667	0.00	0.02	0.081	0					2.13
31.750	0.00	0.02	0.081	0					2.13
31.833	0.00	0.02	0.080	0					2.13
31.917	0.00	0.02	0.080	0					2.12
32.000	0.00	0.02	0.080	0					2.12
32.083	0.00	0.02	0.080	0					2.12
32.167	0.00	0.02	0.080	0					2.11
32.250	0.00	0.02	0.080	0					2.11
32.333	0.00	0.02	0.080	0					2.11
32.417	0.00	0.02	0.079	0					2.11
32.500	0.00	0.02	0.079	0					2.10
32.583	0.00	0.02	0.079	0					2.10
32.667	0.00	0.02	0.079	0					2.10
32.750	0.00	0.02	0.079	0					2.09
32.833	0.00	0.02	0.079	0					2.09
32.917	0.00	0.02	0.078	0					2.09
33.000	0.00	0.02	0.078	0					2.09
33.083	0.00	0.02	0.078	0					2.08
33.167	0.00	0.02	0.078	0					2.08
33.250	0.00	0.02	0.078	0					2.08
33.333	0.00	0.02	0.078	0					2.07
33.417	0.00	0.02	0.078	0					2.07
33.500	0.00	0.02	0.077	0					2.07
33.583	0.00	0.02	0.077	0					2.07
33.667	0.00	0.02	0.077	0					2.06
33.750	0.00	0.02	0.077	0					2.06
33.833	0.00	0.02	0.077	0					2.06
33.917	0.00	0.02	0.077	0					2.05
34.000	0.00	0.02	0.077	0					2.05
34.083	0.00	0.02	0.076	0					2.05
34.167	0.00	0.02	0.076	0					2.05
34.250	0.00	0.02	0.076	0					2.04
34.333	0.00	0.02	0.076	0					2.04
34.417	0.00	0.02	0.076	0					2.04
34.500	0.00	0.02	0.076	0					2.03
34.583	0.00	0.02	0.076	0					2.03
34.667	0.00	0.02	0.075	0					2.03
34.750	0.00	0.02	0.075	0					2.02
34.833	0.00	0.02	0.075	0					2.02
34.917	0.00	0.02	0.075	0					2.02
35.000	0.00	0.02	0.075	0					2.02
35.083	0.00	0.02	0.075	0					2.01
35.167	0.00	0.02	0.074	0					2.01
35.250	0.00	0.02	0.074	0					2.01
35.333	0.00	0.02	0.074	0					2.00

35.417	0.00	0.02	0.074	0					2.00
35.500	0.00	0.02	0.074	0					2.00
35.583	0.00	0.02	0.074	0					1.99
35.667	0.00	0.02	0.074	0					1.99
35.750	0.00	0.02	0.073	0					1.99
35.833	0.00	0.02	0.073	0					1.98
35.917	0.00	0.02	0.073	0					1.98
36.000	0.00	0.02	0.073	0					1.98
36.083	0.00	0.02	0.073	0					1.97
36.167	0.00	0.02	0.073	0					1.97
36.250	0.00	0.02	0.073	0					1.97
36.333	0.00	0.02	0.072	0					1.96
36.417	0.00	0.02	0.072	0					1.96
36.500	0.00	0.02	0.072	0					1.96
36.583	0.00	0.02	0.072	0					1.95
36.667	0.00	0.02	0.072	0					1.95
36.750	0.00	0.02	0.072	0					1.95
36.833	0.00	0.02	0.071	0					1.95
36.917	0.00	0.02	0.071	0					1.94
37.000	0.00	0.02	0.071	0					1.94
37.083	0.00	0.02	0.071	0					1.94
37.167	0.00	0.02	0.071	0					1.93
37.250	0.00	0.02	0.071	0					1.93
37.333	0.00	0.02	0.071	0					1.93
37.417	0.00	0.02	0.070	0					1.92
37.500	0.00	0.02	0.070	0					1.92
37.583	0.00	0.02	0.070	0					1.92
37.667	0.00	0.02	0.070	0					1.91
37.750	0.00	0.02	0.070	0					1.91
37.833	0.00	0.02	0.070	0					1.91
37.917	0.00	0.02	0.070	0					1.90
38.000	0.00	0.02	0.069	0					1.90
38.083	0.00	0.02	0.069	0					1.90
38.167	0.00	0.02	0.069	0					1.89
38.250	0.00	0.02	0.069	0					1.89
38.333	0.00	0.02	0.069	0					1.89
38.417	0.00	0.02	0.069	0					1.88
38.500	0.00	0.02	0.069	0					1.88
38.583	0.00	0.02	0.068	0					1.88
38.667	0.00	0.02	0.068	0					1.87
38.750	0.00	0.02	0.068	0					1.87
38.833	0.00	0.02	0.068	0					1.87
38.917	0.00	0.02	0.068	0					1.86
39.000	0.00	0.02	0.068	0					1.86
39.083	0.00	0.02	0.067	0					1.86
39.167	0.00	0.02	0.067	0					1.86
39.250	0.00	0.02	0.067	0					1.85
39.333	0.00	0.02	0.067	0					1.85
39.417	0.00	0.02	0.067	0					1.85
39.500	0.00	0.02	0.067	0					1.84

39.583	0.00	0.02	0.067	0					1.84
39.667	0.00	0.02	0.066	0					1.84
39.750	0.00	0.02	0.066	0					1.83
39.833	0.00	0.02	0.066	0					1.83
39.917	0.00	0.02	0.066	0					1.83
40.000	0.00	0.02	0.066	0					1.82
40.083	0.00	0.02	0.066	0					1.82
40.167	0.00	0.02	0.066	0					1.82
40.250	0.00	0.02	0.065	0					1.81
40.333	0.00	0.02	0.065	0					1.81
40.417	0.00	0.02	0.065	0					1.81
40.500	0.00	0.02	0.065	0					1.81
40.583	0.00	0.02	0.065	0					1.80
40.667	0.00	0.02	0.065	0					1.80
40.750	0.00	0.02	0.065	0					1.80
40.833	0.00	0.02	0.064	0					1.79
40.917	0.00	0.02	0.064	0					1.79
41.000	0.00	0.02	0.064	0					1.79
41.083	0.00	0.02	0.064	0					1.78
41.167	0.00	0.02	0.064	0					1.78
41.250	0.00	0.02	0.064	0					1.78
41.333	0.00	0.02	0.064	0					1.77
41.417	0.00	0.02	0.063	0					1.77
41.500	0.00	0.02	0.063	0					1.77
41.583	0.00	0.02	0.063	0					1.76
41.667	0.00	0.02	0.063	0					1.76
41.750	0.00	0.02	0.063	0					1.76
41.833	0.00	0.02	0.063	0					1.76
41.917	0.00	0.02	0.063	0					1.75
42.000	0.00	0.02	0.062	0					1.75
42.083	0.00	0.02	0.062	0					1.75
42.167	0.00	0.02	0.062	0					1.74
42.250	0.00	0.02	0.062	0					1.74
42.333	0.00	0.02	0.062	0					1.74
42.417	0.00	0.02	0.062	0					1.73
42.500	0.00	0.02	0.062	0					1.73
42.583	0.00	0.02	0.061	0					1.73
42.667	0.00	0.02	0.061	0					1.72
42.750	0.00	0.02	0.061	0					1.72
42.833	0.00	0.02	0.061	0					1.72
42.917	0.00	0.02	0.061	0					1.72
43.000	0.00	0.02	0.061	0					1.71
43.083	0.00	0.02	0.061	0					1.71
43.167	0.00	0.02	0.061	0					1.71
43.250	0.00	0.02	0.060	0					1.70
43.333	0.00	0.02	0.060	0					1.70
43.417	0.00	0.02	0.060	0					1.70
43.500	0.00	0.02	0.060	0					1.69
43.583	0.00	0.02	0.060	0					1.69
43.667	0.00	0.02	0.060	0					1.69

43.750	0.00	0.02	0.060	0					1.69
43.833	0.00	0.02	0.059	0					1.68
43.917	0.00	0.02	0.059	0					1.68
44.000	0.00	0.02	0.059	0					1.68
44.083	0.00	0.02	0.059	0					1.67
44.167	0.00	0.02	0.059	0					1.67
44.250	0.00	0.02	0.059	0					1.67
44.333	0.00	0.02	0.059	0					1.66
44.417	0.00	0.02	0.058	0					1.66
44.500	0.00	0.02	0.058	0					1.66
44.583	0.00	0.02	0.058	0					1.66
44.667	0.00	0.02	0.058	0					1.65
44.750	0.00	0.02	0.058	0					1.65
44.833	0.00	0.02	0.058	0					1.65
44.917	0.00	0.02	0.058	0					1.64
45.000	0.00	0.02	0.057	0					1.64
45.083	0.00	0.02	0.057	0					1.64
45.167	0.00	0.02	0.057	0					1.63
45.250	0.00	0.02	0.057	0					1.63
45.333	0.00	0.02	0.057	0					1.63
45.417	0.00	0.02	0.057	0					1.63
45.500	0.00	0.02	0.057	0					1.62
45.583	0.00	0.02	0.057	0					1.62
45.667	0.00	0.02	0.056	0					1.62
45.750	0.00	0.02	0.056	0					1.61
45.833	0.00	0.02	0.056	0					1.61
45.917	0.00	0.02	0.056	0					1.61
46.000	0.00	0.02	0.056	0					1.61
46.083	0.00	0.02	0.056	0					1.60
46.167	0.00	0.02	0.056	0					1.60
46.250	0.00	0.02	0.055	0					1.60
46.333	0.00	0.02	0.055	0					1.59
46.417	0.00	0.02	0.055	0					1.59
46.500	0.00	0.02	0.055	0					1.59
46.583	0.00	0.02	0.055	0					1.58
46.667	0.00	0.02	0.055	0					1.58
46.750	0.00	0.02	0.055	0					1.58
46.833	0.00	0.02	0.054	0					1.58
46.917	0.00	0.02	0.054	0					1.57
47.000	0.00	0.02	0.054	0					1.57
47.083	0.00	0.02	0.054	0					1.57
47.167	0.00	0.02	0.054	0					1.56
47.250	0.00	0.02	0.054	0					1.56
47.333	0.00	0.02	0.054	0					1.56
47.417	0.00	0.02	0.054	0					1.56
47.500	0.00	0.02	0.053	0					1.55
47.583	0.00	0.02	0.053	0					1.55
47.667	0.00	0.02	0.053	0					1.55
47.750	0.00	0.02	0.053	0					1.54
47.833	0.00	0.02	0.053	0					1.54

47.917	0.00	0.02	0.053	0					1.54
48.000	0.00	0.02	0.053	0					1.54
48.083	0.00	0.02	0.052	0					1.53
48.167	0.00	0.02	0.052	0					1.53
48.250	0.00	0.02	0.052	0					1.53
48.333	0.00	0.02	0.052	0					1.52
48.417	0.00	0.02	0.052	0					1.52
48.500	0.00	0.02	0.052	0					1.52
48.583	0.00	0.02	0.052	0					1.52
48.667	0.00	0.02	0.052	0					1.51
48.750	0.00	0.02	0.051	0					1.51
48.833	0.00	0.02	0.051	0					1.51
48.917	0.00	0.02	0.051	0					1.50
49.000	0.00	0.02	0.051	0					1.50
49.083	0.00	0.02	0.051	0					1.50
49.167	0.00	0.02	0.051	0					1.50
49.250	0.00	0.02	0.051	0					1.49
49.333	0.00	0.02	0.051	0					1.49
49.417	0.00	0.02	0.050	0					1.49
49.500	0.00	0.02	0.050	0					1.48
49.583	0.00	0.02	0.050	0					1.48
49.667	0.00	0.02	0.050	0					1.48
49.750	0.00	0.02	0.050	0					1.48
49.833	0.00	0.02	0.050	0					1.47
49.917	0.00	0.02	0.050	0					1.47
50.000	0.00	0.02	0.049	0					1.47
50.083	0.00	0.02	0.049	0					1.46
50.167	0.00	0.02	0.049	0					1.46
50.250	0.00	0.02	0.049	0					1.46
50.333	0.00	0.02	0.049	0					1.46
50.417	0.00	0.02	0.049	0					1.45
50.500	0.00	0.02	0.049	0					1.45
50.583	0.00	0.02	0.049	0					1.45
50.667	0.00	0.02	0.048	0					1.44
50.750	0.00	0.02	0.048	0					1.44
50.833	0.00	0.02	0.048	0					1.44
50.917	0.00	0.02	0.048	0					1.44
51.000	0.00	0.02	0.048	0					1.43
51.083	0.00	0.02	0.048	0					1.43
51.167	0.00	0.02	0.048	0					1.43
51.250	0.00	0.02	0.048	0					1.43
51.333	0.00	0.02	0.047	0					1.42
51.417	0.00	0.02	0.047	0					1.42
51.500	0.00	0.02	0.047	0					1.42
51.583	0.00	0.02	0.047	0					1.41
51.667	0.00	0.02	0.047	0					1.41
51.750	0.00	0.02	0.047	0					1.41
51.833	0.00	0.02	0.047	0					1.41
51.917	0.00	0.02	0.047	0					1.40
52.000	0.00	0.02	0.046	0					1.40

52.083	0.00	0.02	0.046	0					1.40
52.167	0.00	0.02	0.046	0					1.39
52.250	0.00	0.02	0.046	0					1.39
52.333	0.00	0.02	0.046	0					1.39
52.417	0.00	0.02	0.046	0					1.39
52.500	0.00	0.02	0.046	0					1.38
52.583	0.00	0.02	0.046	0					1.38
52.667	0.00	0.02	0.045	0					1.38
52.750	0.00	0.02	0.045	0					1.38
52.833	0.00	0.02	0.045	0					1.37
52.917	0.00	0.02	0.045	0					1.37
53.000	0.00	0.02	0.045	0					1.37
53.083	0.00	0.02	0.045	0					1.36
53.167	0.00	0.02	0.045	0					1.36
53.250	0.00	0.02	0.045	0					1.36
53.333	0.00	0.02	0.044	0					1.36
53.417	0.00	0.02	0.044	0					1.35
53.500	0.00	0.02	0.044	0					1.35
53.583	0.00	0.02	0.044	0					1.35
53.667	0.00	0.02	0.044	0					1.35
53.750	0.00	0.02	0.044	0					1.34
53.833	0.00	0.02	0.044	0					1.34
53.917	0.00	0.02	0.044	0					1.34
54.000	0.00	0.02	0.043	0					1.33
54.083	0.00	0.02	0.043	0					1.33
54.167	0.00	0.02	0.043	0					1.33
54.250	0.00	0.02	0.043	0					1.33
54.333	0.00	0.02	0.043	0					1.32
54.417	0.00	0.02	0.043	0					1.32
54.500	0.00	0.02	0.043	0					1.32
54.583	0.00	0.02	0.043	0					1.32
54.667	0.00	0.02	0.042	0					1.31
54.750	0.00	0.02	0.042	0					1.31
54.833	0.00	0.02	0.042	0					1.31
54.917	0.00	0.02	0.042	0					1.31
55.000	0.00	0.02	0.042	0					1.30
55.083	0.00	0.02	0.042	0					1.30
55.167	0.00	0.02	0.042	0					1.30
55.250	0.00	0.02	0.042	0					1.29
55.333	0.00	0.02	0.041	0					1.29
55.417	0.00	0.02	0.041	0					1.29
55.500	0.00	0.02	0.041	0					1.29
55.583	0.00	0.02	0.041	0					1.28
55.667	0.00	0.02	0.041	0					1.28
55.750	0.00	0.02	0.041	0					1.28
55.833	0.00	0.02	0.041	0					1.28
55.917	0.00	0.02	0.041	0					1.27
56.000	0.00	0.02	0.040	0					1.27
56.083	0.00	0.02	0.040	0					1.27
56.167	0.00	0.02	0.040	0					1.27

56.250	0.00	0.02	0.040	0					1.26
56.333	0.00	0.02	0.040	0					1.26
56.417	0.00	0.02	0.040	0					1.26
56.500	0.00	0.02	0.040	0					1.26
56.583	0.00	0.02	0.040	0					1.25
56.667	0.00	0.02	0.039	0					1.25
56.750	0.00	0.02	0.039	0					1.25
56.833	0.00	0.02	0.039	0					1.24
56.917	0.00	0.02	0.039	0					1.24
57.000	0.00	0.02	0.039	0					1.24
57.083	0.00	0.02	0.039	0					1.24
57.167	0.00	0.02	0.039	0					1.23
57.250	0.00	0.02	0.039	0					1.23
57.333	0.00	0.02	0.039	0					1.23
57.417	0.00	0.02	0.038	0					1.23
57.500	0.00	0.02	0.038	0					1.22
57.583	0.00	0.02	0.038	0					1.22
57.667	0.00	0.02	0.038	0					1.22
57.750	0.00	0.02	0.038	0					1.22
57.833	0.00	0.02	0.038	0					1.21
57.917	0.00	0.02	0.038	0					1.21
58.000	0.00	0.02	0.038	0					1.21
58.083	0.00	0.02	0.037	0					1.21
58.167	0.00	0.02	0.037	0					1.20
58.250	0.00	0.02	0.037	0					1.20
58.333	0.00	0.02	0.037	0					1.20
58.417	0.00	0.02	0.037	0					1.20
58.500	0.00	0.02	0.037	0					1.19
58.583	0.00	0.02	0.037	0					1.19
58.667	0.00	0.02	0.037	0					1.19
58.750	0.00	0.02	0.037	0					1.19
58.833	0.00	0.02	0.036	0					1.18
58.917	0.00	0.02	0.036	0					1.18
59.000	0.00	0.02	0.036	0					1.18
59.083	0.00	0.02	0.036	0					1.17
59.167	0.00	0.02	0.036	0					1.17
59.250	0.00	0.02	0.036	0					1.17
59.333	0.00	0.02	0.036	0					1.17
59.417	0.00	0.02	0.036	0					1.16
59.500	0.00	0.02	0.035	0					1.16
59.583	0.00	0.02	0.035	0					1.16
59.667	0.00	0.02	0.035	0					1.16
59.750	0.00	0.02	0.035	0					1.15
59.833	0.00	0.02	0.035	0					1.15
59.917	0.00	0.02	0.035	0					1.15
60.000	0.00	0.02	0.035	0					1.15
60.083	0.00	0.02	0.035	0					1.14
60.167	0.00	0.02	0.035	0					1.14
60.250	0.00	0.02	0.034	0					1.14
60.333	0.00	0.02	0.034	0					1.14

60.417	0.00	0.02	0.034	0					1.13
60.500	0.00	0.02	0.034	0					1.13
60.583	0.00	0.02	0.034	0					1.13
60.667	0.00	0.02	0.034	0					1.13
60.750	0.00	0.02	0.034	0					1.12
60.833	0.00	0.02	0.034	0					1.12
60.917	0.00	0.02	0.033	0					1.12
61.000	0.00	0.02	0.033	0					1.12
61.083	0.00	0.02	0.033	0					1.11
61.167	0.00	0.02	0.033	0					1.11
61.250	0.00	0.02	0.033	0					1.11
61.333	0.00	0.02	0.033	0					1.11
61.417	0.00	0.02	0.033	0					1.10
61.500	0.00	0.02	0.033	0					1.10
61.583	0.00	0.02	0.033	0					1.10
61.667	0.00	0.02	0.032	0					1.10
61.750	0.00	0.02	0.032	0					1.09
61.833	0.00	0.02	0.032	0					1.09
61.917	0.00	0.02	0.032	0					1.09
62.000	0.00	0.02	0.032	0					1.09
62.083	0.00	0.02	0.032	0					1.08
62.167	0.00	0.02	0.032	0					1.08
62.250	0.00	0.02	0.032	0					1.08
62.333	0.00	0.02	0.032	0					1.08
62.417	0.00	0.02	0.031	0					1.07
62.500	0.00	0.02	0.031	0					1.07
62.583	0.00	0.02	0.031	0					1.07
62.667	0.00	0.02	0.031	0					1.07
62.750	0.00	0.02	0.031	0					1.06
62.833	0.00	0.02	0.031	0					1.06
62.917	0.00	0.02	0.031	0					1.06
63.000	0.00	0.02	0.031	0					1.06
63.083	0.00	0.02	0.031	0					1.05
63.167	0.00	0.02	0.030	0					1.05
63.250	0.00	0.02	0.030	0					1.05
63.333	0.00	0.02	0.030	0					1.05
63.417	0.00	0.02	0.030	0					1.05
63.500	0.00	0.02	0.030	0					1.04
63.583	0.00	0.02	0.030	0					1.04
63.667	0.00	0.02	0.030	0					1.04
63.750	0.00	0.02	0.030	0					1.04
63.833	0.00	0.02	0.030	0					1.03
63.917	0.00	0.02	0.029	0					1.03
64.000	0.00	0.02	0.029	0					1.03
64.083	0.00	0.02	0.029	0					1.03
64.167	0.00	0.02	0.029	0					1.02
64.250	0.00	0.02	0.029	0					1.02
64.333	0.00	0.02	0.029	0					1.02
64.417	0.00	0.02	0.029	0					1.02
64.500	0.00	0.02	0.029	0					1.01

64.583	0.00	0.02	0.029	0					1.01
64.667	0.00	0.02	0.028	0					1.01
64.750	0.00	0.02	0.028	0					1.01
64.833	0.00	0.02	0.028	0					1.00
64.917	0.00	0.02	0.028	0					1.00
65.000	0.00	0.02	0.028	0					1.00
65.083	0.00	0.02	0.028	0					0.99
65.167	0.00	0.02	0.028	0					0.99
65.250	0.00	0.02	0.028	0					0.99
65.333	0.00	0.02	0.028	0					0.98
65.417	0.00	0.02	0.027	0					0.98
65.500	0.00	0.02	0.027	0					0.98
65.583	0.00	0.02	0.027	0					0.97
65.667	0.00	0.02	0.027	0					0.97
65.750	0.00	0.02	0.027	0					0.96
65.833	0.00	0.02	0.027	0					0.96
65.917	0.00	0.02	0.027	0					0.96
66.000	0.00	0.02	0.027	0					0.95
66.083	0.00	0.02	0.027	0					0.95
66.167	0.00	0.02	0.026	0					0.94
66.250	0.00	0.02	0.026	0					0.94
66.333	0.00	0.02	0.026	0					0.94
66.417	0.00	0.02	0.026	0					0.93
66.500	0.00	0.02	0.026	0					0.93
66.583	0.00	0.02	0.026	0					0.92
66.667	0.00	0.02	0.026	0					0.92
66.750	0.00	0.02	0.026	0					0.92
66.833	0.00	0.02	0.026	0					0.91
66.917	0.00	0.02	0.025	0					0.91
67.000	0.00	0.02	0.025	0					0.91
67.083	0.00	0.02	0.025	0					0.90
67.167	0.00	0.02	0.025	0					0.90
67.250	0.00	0.02	0.025	0					0.89
67.333	0.00	0.02	0.025	0					0.89
67.417	0.00	0.02	0.025	0					0.89
67.500	0.00	0.02	0.025	0					0.88
67.583	0.00	0.01	0.025	0					0.88
67.667	0.00	0.01	0.025	0					0.88
67.750	0.00	0.01	0.024	0					0.87
67.833	0.00	0.01	0.024	0					0.87
67.917	0.00	0.01	0.024	0					0.86
68.000	0.00	0.01	0.024	0					0.86
68.083	0.00	0.01	0.024	0					0.86
68.167	0.00	0.01	0.024	0					0.85
68.250	0.00	0.01	0.024	0					0.85
68.333	0.00	0.01	0.024	0					0.85
68.417	0.00	0.01	0.024	0					0.84
68.500	0.00	0.01	0.024	0					0.84
68.583	0.00	0.01	0.023	0					0.84
68.667	0.00	0.01	0.023	0					0.83

68.750	0.00	0.01	0.023	0					0.83
68.833	0.00	0.01	0.023	0					0.82
68.917	0.00	0.01	0.023	0					0.82
69.000	0.00	0.01	0.023	0					0.82
69.083	0.00	0.01	0.023	0					0.81
69.167	0.00	0.01	0.023	0					0.81
69.250	0.00	0.01	0.023	0					0.81
69.333	0.00	0.01	0.023	0					0.80
69.417	0.00	0.01	0.022	0					0.80
69.500	0.00	0.01	0.022	0					0.80
69.583	0.00	0.01	0.022	0					0.79
69.667	0.00	0.01	0.022	0					0.79
69.750	0.00	0.01	0.022	0					0.79
69.833	0.00	0.01	0.022	0					0.78
69.917	0.00	0.01	0.022	0					0.78
70.000	0.00	0.01	0.022	0					0.77
70.083	0.00	0.01	0.022	0					0.77
70.167	0.00	0.01	0.022	0					0.77
70.250	0.00	0.01	0.021	0					0.76
70.333	0.00	0.01	0.021	0					0.76
70.417	0.00	0.01	0.021	0					0.76
70.500	0.00	0.01	0.021	0					0.75
70.583	0.00	0.01	0.021	0					0.75
70.667	0.00	0.01	0.021	0					0.75
70.750	0.00	0.01	0.021	0					0.74
70.833	0.00	0.01	0.021	0					0.74
70.917	0.00	0.01	0.021	0					0.74
71.000	0.00	0.01	0.021	0					0.73
71.083	0.00	0.01	0.021	0					0.73
71.167	0.00	0.01	0.020	0					0.73
71.250	0.00	0.01	0.020	0					0.72
71.333	0.00	0.01	0.020	0					0.72
71.417	0.00	0.01	0.020	0					0.72
71.500	0.00	0.01	0.020	0					0.71
71.583	0.00	0.01	0.020	0					0.71
71.667	0.00	0.01	0.020	0					0.71
71.750	0.00	0.01	0.020	0					0.70
71.833	0.00	0.01	0.020	0					0.70
71.917	0.00	0.01	0.020	0					0.70
72.000	0.00	0.01	0.019	0					0.69
72.083	0.00	0.01	0.019	0					0.69
72.167	0.00	0.01	0.019	0					0.69
72.250	0.00	0.01	0.019	0					0.68
72.333	0.00	0.01	0.019	0					0.68
72.417	0.00	0.01	0.019	0					0.68
72.500	0.00	0.01	0.019	0					0.67
72.583	0.00	0.01	0.019	0					0.67
72.667	0.00	0.01	0.019	0					0.67
72.750	0.00	0.01	0.019	0					0.66
72.833	0.00	0.01	0.019	0					0.66

72.917	0.00	0.01	0.018	0					0.66
73.000	0.00	0.01	0.018	0					0.65
73.083	0.00	0.01	0.018	0					0.65
73.167	0.00	0.01	0.018	0					0.65
73.250	0.00	0.01	0.018	0					0.64
73.333	0.00	0.01	0.018	0					0.64
73.417	0.00	0.01	0.018	0					0.64
73.500	0.00	0.01	0.018	0					0.63
73.583	0.00	0.01	0.018	0					0.63
73.667	0.00	0.01	0.018	0					0.63
73.750	0.00	0.01	0.018	0					0.62
73.833	0.00	0.01	0.018	0					0.62
73.917	0.00	0.01	0.017	0					0.62
74.000	0.00	0.01	0.017	0					0.61
74.083	0.00	0.01	0.017	0					0.61
74.167	0.00	0.01	0.017	0					0.61
74.250	0.00	0.01	0.017	0					0.60
74.333	0.00	0.01	0.017	0					0.60
74.417	0.00	0.01	0.017	0					0.60
74.500	0.00	0.01	0.017	0					0.60
74.583	0.00	0.01	0.017	0					0.59
74.667	0.00	0.01	0.017	0					0.59
74.750	0.00	0.01	0.017	0					0.59
74.833	0.00	0.01	0.016	0					0.58
74.917	0.00	0.01	0.016	0					0.58
75.000	0.00	0.01	0.016	0					0.58
75.083	0.00	0.01	0.016	0					0.57
75.167	0.00	0.01	0.016	0					0.57
75.250	0.00	0.01	0.016	0					0.57
75.333	0.00	0.01	0.016	0					0.56
75.417	0.00	0.01	0.016	0					0.56
75.500	0.00	0.01	0.016	0					0.56
75.583	0.00	0.01	0.016	0					0.56
75.667	0.00	0.01	0.016	0					0.55
75.750	0.00	0.01	0.016	0					0.55
75.833	0.00	0.01	0.015	0					0.55
75.917	0.00	0.01	0.015	0					0.54
76.000	0.00	0.01	0.015	0					0.54
76.083	0.00	0.01	0.015	0					0.54
76.167	0.00	0.01	0.015	0					0.53
76.250	0.00	0.01	0.015	0					0.53
76.333	0.00	0.01	0.015	0					0.53
76.417	0.00	0.01	0.015	0					0.53
76.500	0.00	0.01	0.015	0					0.52
76.583	0.00	0.01	0.015	0					0.52
76.667	0.00	0.01	0.015	0					0.52
76.750	0.00	0.01	0.015	0					0.51
76.833	0.00	0.01	0.014	0					0.51
76.917	0.00	0.01	0.014	0					0.51
77.000	0.00	0.01	0.014	0					0.50

77.083	0.00	0.01	0.014	0					0.50
77.167	0.00	0.01	0.014	0					0.50
77.250	0.00	0.01	0.014	0					0.50
77.333	0.00	0.01	0.014	0					0.49
77.417	0.00	0.01	0.014	0					0.49
77.500	0.00	0.01	0.014	0					0.49
77.583	0.00	0.01	0.014	0					0.48
77.667	0.00	0.01	0.014	0					0.48
77.750	0.00	0.01	0.014	0					0.48
77.833	0.00	0.01	0.013	0					0.48
77.917	0.00	0.01	0.013	0					0.47
78.000	0.00	0.01	0.013	0					0.47
78.083	0.00	0.01	0.013	0					0.47
78.167	0.00	0.01	0.013	0					0.46
78.250	0.00	0.01	0.013	0					0.46
78.333	0.00	0.01	0.013	0					0.46
78.417	0.00	0.01	0.013	0					0.46
78.500	0.00	0.01	0.013	0					0.45
78.583	0.00	0.01	0.013	0					0.45
78.667	0.00	0.01	0.013	0					0.45
78.750	0.00	0.01	0.013	0					0.44
78.833	0.00	0.01	0.013	0					0.44
78.917	0.00	0.01	0.012	0					0.44
79.000	0.00	0.01	0.012	0					0.44
79.083	0.00	0.01	0.012	0					0.43
79.167	0.00	0.01	0.012	0					0.43
79.250	0.00	0.01	0.012	0					0.43
79.333	0.00	0.01	0.012	0					0.42
79.417	0.00	0.01	0.012	0					0.42
79.500	0.00	0.01	0.012	0					0.42
79.583	0.00	0.01	0.012	0					0.42
79.667	0.00	0.01	0.012	0					0.41
79.750	0.00	0.01	0.012	0					0.41
79.833	0.00	0.01	0.012	0					0.41
79.917	0.00	0.01	0.012	0					0.41
80.000	0.00	0.01	0.011	0					0.40
80.083	0.00	0.01	0.011	0					0.40
80.167	0.00	0.01	0.011	0					0.40
80.250	0.00	0.01	0.011	0					0.39
80.333	0.00	0.01	0.011	0					0.39
80.417	0.00	0.01	0.011	0					0.39
80.500	0.00	0.01	0.011	0					0.39
80.583	0.00	0.01	0.011	0					0.38
80.667	0.00	0.01	0.011	0					0.38
80.750	0.00	0.01	0.011	0					0.38
80.833	0.00	0.01	0.011	0					0.38
80.917	0.00	0.01	0.011	0					0.37
81.000	0.00	0.01	0.011	0					0.37
81.083	0.00	0.01	0.011	0					0.37
81.167	0.00	0.01	0.010	0					0.37

81.250	0.00	0.01	0.010	0					0.36
81.333	0.00	0.01	0.010	0					0.36
81.417	0.00	0.01	0.010	0					0.36
81.500	0.00	0.01	0.010	0					0.35
81.583	0.00	0.01	0.010	0					0.35
81.667	0.00	0.01	0.010	0					0.35
81.750	0.00	0.01	0.010	0					0.35
81.833	0.00	0.01	0.010	0					0.34
81.917	0.00	0.01	0.010	0					0.34
82.000	0.00	0.01	0.010	0					0.34
82.083	0.00	0.01	0.010	0					0.34
82.167	0.00	0.01	0.010	0					0.33
82.250	0.00	0.01	0.010	0					0.33
82.333	0.00	0.01	0.009	0					0.33
82.417	0.00	0.01	0.009	0					0.33
82.500	0.00	0.01	0.009	0					0.32
82.583	0.00	0.01	0.009	0					0.32
82.667	0.00	0.01	0.009	0					0.32
82.750	0.00	0.01	0.009	0					0.32
82.833	0.00	0.01	0.009	0					0.31
82.917	0.00	0.01	0.009	0					0.31
83.000	0.00	0.01	0.009	0					0.31
83.083	0.00	0.01	0.009	0					0.31
83.167	0.00	0.01	0.009	0					0.30
83.250	0.00	0.01	0.009	0					0.30
83.333	0.00	0.01	0.009	0					0.30
83.417	0.00	0.01	0.009	0					0.30
83.500	0.00	0.01	0.008	0					0.29
83.583	0.00	0.01	0.008	0					0.29
83.667	0.00	0.01	0.008	0					0.29
83.750	0.00	0.01	0.008	0					0.29
83.833	0.00	0.01	0.008	0					0.28
83.917	0.00	0.01	0.008	0					0.28
84.000	0.00	0.01	0.008	0					0.28
84.083	0.00	0.01	0.008	0					0.28
84.167	0.00	0.01	0.008	0					0.27
84.250	0.00	0.01	0.008	0					0.27
84.333	0.00	0.01	0.008	0					0.27
84.417	0.00	0.01	0.008	0					0.27
84.500	0.00	0.01	0.008	0					0.26
84.583	0.00	0.01	0.008	0					0.26
84.667	0.00	0.01	0.008	0					0.26
84.750	0.00	0.01	0.007	0					0.26
84.833	0.00	0.01	0.007	0					0.25
84.917	0.00	0.01	0.007	0					0.25
85.000	0.00	0.01	0.007	0					0.25
85.083	0.00	0.01	0.007	0					0.25
85.167	0.00	0.01	0.007	0					0.25
85.250	0.00	0.01	0.007	0					0.24
85.333	0.00	0.01	0.007	0					0.24

85.417	0.00	0.01	0.007	0					0.24
85.500	0.00	0.01	0.007	0					0.24
85.583	0.00	0.01	0.007	0					0.23
85.667	0.00	0.01	0.007	0					0.23
85.750	0.00	0.01	0.007	0					0.23
85.833	0.00	0.01	0.007	0					0.23
85.917	0.00	0.01	0.007	0					0.22
86.000	0.00	0.01	0.006	0					0.22
86.083	0.00	0.01	0.006	0					0.22
86.167	0.00	0.01	0.006	0					0.22
86.250	0.00	0.01	0.006	0					0.21
86.333	0.00	0.01	0.006	0					0.21
86.417	0.00	0.01	0.006	0					0.21
86.500	0.00	0.01	0.006	0					0.21
86.583	0.00	0.01	0.006	0					0.21
86.667	0.00	0.01	0.006	0					0.20
86.750	0.00	0.01	0.006	0					0.20
86.833	0.00	0.01	0.006	0					0.20
86.917	0.00	0.01	0.006	0					0.20
87.000	0.00	0.01	0.006	0					0.19
87.083	0.00	0.01	0.006	0					0.19
87.167	0.00	0.01	0.006	0					0.19
87.250	0.00	0.01	0.006	0					0.19
87.333	0.00	0.01	0.005	0					0.18
87.417	0.00	0.01	0.005	0					0.18
87.500	0.00	0.01	0.005	0					0.18
87.583	0.00	0.01	0.005	0					0.18
87.667	0.00	0.01	0.005	0					0.18
87.750	0.00	0.01	0.005	0					0.17
87.833	0.00	0.01	0.005	0					0.17
87.917	0.00	0.01	0.005	0					0.17
88.000	0.00	0.01	0.005	0					0.17
88.083	0.00	0.01	0.005	0					0.16
88.167	0.00	0.01	0.005	0					0.16
88.250	0.00	0.01	0.005	0					0.16
88.333	0.00	0.01	0.005	0					0.16
88.417	0.00	0.01	0.005	0					0.16
88.500	0.00	0.01	0.005	0					0.15
88.583	0.00	0.01	0.005	0					0.15
88.667	0.00	0.01	0.004	0					0.15
88.750	0.00	0.01	0.004	0					0.15
88.833	0.00	0.01	0.004	0					0.14
88.917	0.00	0.01	0.004	0					0.14
89.000	0.00	0.01	0.004	0					0.14
89.083	0.00	0.01	0.004	0					0.14
89.167	0.00	0.01	0.004	0					0.14
89.250	0.00	0.01	0.004	0					0.13
89.333	0.00	0.01	0.004	0					0.13
89.417	0.00	0.01	0.004	0					0.13
89.500	0.00	0.01	0.004	0					0.13

89.583	0.00	0.01	0.004	0					0.13
89.667	0.00	0.01	0.004	0					0.12
89.750	0.00	0.01	0.004	0					0.12
89.833	0.00	0.01	0.004	0					0.12
89.917	0.00	0.01	0.004	0					0.12
90.000	0.00	0.01	0.004	0					0.11
90.083	0.00	0.01	0.003	0					0.11
90.167	0.00	0.01	0.003	0					0.11
90.250	0.00	0.01	0.003	0					0.11
90.333	0.00	0.01	0.003	0					0.11
90.417	0.00	0.01	0.003	0					0.10
90.500	0.00	0.01	0.003	0					0.10
90.583	0.00	0.01	0.003	0					0.10
90.667	0.00	0.01	0.003	0					0.10
90.750	0.00	0.01	0.003	0					0.10
90.833	0.00	0.01	0.003	0					0.09
90.917	0.00	0.01	0.003	0					0.09
91.000	0.00	0.01	0.003	0					0.09
91.083	0.00	0.01	0.003	0					0.09
91.167	0.00	0.01	0.003	0					0.09
91.250	0.00	0.01	0.003	0					0.08
91.333	0.00	0.01	0.003	0					0.08
91.417	0.00	0.01	0.003	0					0.08
91.500	0.00	0.01	0.002	0					0.08
91.583	0.00	0.01	0.002	0					0.08
91.667	0.00	0.01	0.002	0					0.07
91.750	0.00	0.01	0.002	0					0.07
91.833	0.00	0.01	0.002	0					0.07
91.917	0.00	0.01	0.002	0					0.07
92.000	0.00	0.01	0.002	0					0.07
92.083	0.00	0.01	0.002	0					0.06
92.167	0.00	0.01	0.002	0					0.06
92.250	0.00	0.01	0.002	0					0.06
92.333	0.00	0.01	0.002	0					0.06
92.417	0.00	0.01	0.002	0					0.06
92.500	0.00	0.01	0.002	0					0.05
92.583	0.00	0.01	0.002	0					0.05
92.667	0.00	0.01	0.002	0					0.05
92.750	0.00	0.01	0.002	0					0.05
92.833	0.00	0.01	0.002	0					0.05
92.917	0.00	0.01	0.002	0					0.05
93.000	0.00	0.01	0.002	0					0.05
93.083	0.00	0.01	0.002	0					0.05
93.167	0.00	0.01	0.001	0					0.04
93.250	0.00	0.01	0.001	0					0.04
93.333	0.00	0.01	0.001	0					0.04
93.417	0.00	0.01	0.001	0					0.04
93.500	0.00	0.01	0.001	0					0.04
93.583	0.00	0.01	0.001	0					0.04
93.667	0.00	0.00	0.001	0					0.04

93.750	0.00	0.00	0.001	0					0.04
93.833	0.00	0.00	0.001	0					0.04
93.917	0.00	0.00	0.001	0					0.03
94.000	0.00	0.00	0.001	0					0.03
94.083	0.00	0.00	0.001	0					0.03
94.167	0.00	0.00	0.001	0					0.03
94.250	0.00	0.00	0.001	0					0.03
94.333	0.00	0.00	0.001	0					0.03
94.417	0.00	0.00	0.001	0					0.03
94.500	0.00	0.00	0.001	0					0.03
94.583	0.00	0.00	0.001	0					0.03
94.667	0.00	0.00	0.001	0					0.03
94.750	0.00	0.00	0.001	0					0.03
94.833	0.00	0.00	0.001	0					0.03
94.917	0.00	0.00	0.001	0					0.02
95.000	0.00	0.00	0.001	0					0.02
95.083	0.00	0.00	0.001	0					0.02
95.167	0.00	0.00	0.001	0					0.02
95.250	0.00	0.00	0.001	0					0.02
95.333	0.00	0.00	0.001	0					0.02
95.417	0.00	0.00	0.001	0					0.02
95.500	0.00	0.00	0.001	0					0.02
95.583	0.00	0.00	0.001	0					0.02
95.667	0.00	0.00	0.001	0					0.02
95.750	0.00	0.00	0.001	0					0.02
95.833	0.00	0.00	0.001	0					0.02
95.917	0.00	0.00	0.001	0					0.02
96.000	0.00	0.00	0.001	0					0.02
96.083	0.00	0.00	0.001	0					0.02
96.167	0.00	0.00	0.001	0					0.02
96.250	0.00	0.00	0.001	0					0.02
96.333	0.00	0.00	0.001	0					0.02
96.417	0.00	0.00	0.001	0					0.02
96.500	0.00	0.00	0.000	0					0.01
96.583	0.00	0.00	0.000	0					0.01
96.667	0.00	0.00	0.000	0					0.01
96.750	0.00	0.00	0.000	0					0.01
96.833	0.00	0.00	0.000	0					0.01
96.917	0.00	0.00	0.000	0					0.01
97.000	0.00	0.00	0.000	0					0.01
97.083	0.00	0.00	0.000	0					0.01
97.167	0.00	0.00	0.000	0					0.01
97.250	0.00	0.00	0.000	0					0.01
97.333	0.00	0.00	0.000	0					0.01
97.417	0.00	0.00	0.000	0					0.01
97.500	0.00	0.00	0.000	0					0.01
97.583	0.00	0.00	0.000	0					0.01
97.667	0.00	0.00	0.000	0					0.01
97.750	0.00	0.00	0.000	0					0.01
97.833	0.00	0.00	0.000	0					0.01

97.917	0.00	0.00	0.000	0					0.01
98.000	0.00	0.00	0.000	0					0.01
98.083	0.00	0.00	0.000	0					0.01
98.167	0.00	0.00	0.000	0					0.01
98.250	0.00	0.00	0.000	0					0.01
98.333	0.00	0.00	0.000	0					0.01
98.417	0.00	0.00	0.000	0					0.01
98.500	0.00	0.00	0.000	0					0.01
98.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1183

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.053 (CFS)

Total volume = 0.136 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
10 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da1310.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.328 (CFS)
Total volume = 0.103 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.3	0.66	1.00	1.33	Depth (Ft.)
0.083	0.11	0.00	0.000	0 I					0.01
0.167	0.17	0.01	0.001	0 I					0.04
0.250	0.16	0.01	0.002	0 I					0.08
0.333	0.19	0.01	0.004	0 I					0.12
0.417	0.20	0.01	0.005	0 I					0.16
0.500	0.23	0.01	0.006	0 I					0.21
0.583	0.22	0.01	0.008	0 I					0.27
0.667	0.23	0.01	0.009	0 I					0.32
0.750	0.25	0.01	0.011	0 I					0.38
0.833	0.22	0.01	0.012	0 I					0.43
0.917	0.22	0.01	0.014	0 I					0.49
1.000	0.24	0.01	0.015	0 I					0.54
1.083	0.28	0.01	0.017	0 I					0.60
1.167	0.30	0.01	0.019	0 I					0.67
1.250	0.30	0.01	0.021	0 I					0.74
1.333	0.28	0.01	0.023	0 I					0.81
1.417	0.33	0.02	0.025	0 I					0.88
1.500	0.36	0.02	0.027	0 I					0.97
1.583	0.35	0.02	0.029	0 I					1.03
1.667	0.36	0.02	0.032	0 I					1.08
1.750	0.44	0.02	0.034	0 I	I				1.14
1.833	0.46	0.02	0.037	0 I	I				1.20
1.917	0.43	0.02	0.040	0 I	I				1.27
2.000	0.43	0.02	0.043	0 I	I				1.33

2.083	0.44	0.02	0.046	0		I					1.39
2.167	0.58	0.02	0.049	0			I				1.46
2.250	0.74	0.02	0.054	0				I			1.56
2.333	0.62	0.02	0.058	0					I		1.66
2.417	0.91	0.02	0.063	0						I	1.77
2.500	1.17	0.02	0.070	0							1.92
2.583	1.33	0.02	0.079	0						I	2.10
2.667	1.12	0.02	0.087	0							2.26
2.750	0.55	0.02	0.093	0			I				2.37
2.833	0.28	0.02	0.096	0							2.43
2.917	0.25	0.02	0.097	0		I					2.46
3.000	0.14	0.02	0.099	0	I						2.48
3.083	0.04	0.02	0.099	0							2.49
3.167	0.00	0.02	0.099	0							2.49
3.250	0.00	0.02	0.099	0							2.49
3.333	0.00	0.02	0.099	0							2.49
3.417	0.00	0.02	0.099	0							2.49
3.500	0.00	0.02	0.099	0							2.48
3.583	0.00	0.02	0.098	0							2.48
3.667	0.00	0.02	0.098	0							2.48
3.750	0.00	0.02	0.098	0							2.48
3.833	0.00	0.02	0.098	0							2.47
3.917	0.00	0.02	0.098	0							2.47
4.000	0.00	0.02	0.098	0							2.47
4.083	0.00	0.02	0.098	0							2.47
4.167	0.00	0.02	0.098	0							2.46
4.250	0.00	0.02	0.097	0							2.46
4.333	0.00	0.02	0.097	0							2.46
4.417	0.00	0.02	0.097	0							2.46
4.500	0.00	0.02	0.097	0							2.45
4.583	0.00	0.02	0.097	0							2.45
4.667	0.00	0.02	0.097	0							2.45
4.750	0.00	0.02	0.097	0							2.45
4.833	0.00	0.02	0.097	0							2.44
4.917	0.00	0.02	0.096	0							2.44
5.000	0.00	0.02	0.096	0							2.44
5.083	0.00	0.02	0.096	0							2.44
5.167	0.00	0.02	0.096	0							2.43
5.250	0.00	0.02	0.096	0							2.43
5.333	0.00	0.02	0.096	0							2.43
5.417	0.00	0.02	0.096	0							2.43
5.500	0.00	0.02	0.096	0							2.42
5.583	0.00	0.02	0.095	0							2.42
5.667	0.00	0.02	0.095	0							2.42
5.750	0.00	0.02	0.095	0							2.42
5.833	0.00	0.02	0.095	0							2.41
5.917	0.00	0.02	0.095	0							2.41
6.000	0.00	0.02	0.095	0							2.41
6.083	0.00	0.02	0.095	0							2.41
6.167	0.00	0.02	0.094	0							2.40

6.250	0.00	0.02	0.094	0					2.40
6.333	0.00	0.02	0.094	0					2.40
6.417	0.00	0.02	0.094	0					2.40
6.500	0.00	0.02	0.094	0					2.39
6.583	0.00	0.02	0.094	0					2.39
6.667	0.00	0.02	0.094	0					2.39
6.750	0.00	0.02	0.094	0					2.39
6.833	0.00	0.02	0.093	0					2.38
6.917	0.00	0.02	0.093	0					2.38
7.000	0.00	0.02	0.093	0					2.38
7.083	0.00	0.02	0.093	0					2.38
7.167	0.00	0.02	0.093	0					2.37
7.250	0.00	0.02	0.093	0					2.37
7.333	0.00	0.02	0.093	0					2.37
7.417	0.00	0.02	0.093	0					2.37
7.500	0.00	0.02	0.092	0					2.36
7.583	0.00	0.02	0.092	0					2.36
7.667	0.00	0.02	0.092	0					2.36
7.750	0.00	0.02	0.092	0					2.36
7.833	0.00	0.02	0.092	0					2.35
7.917	0.00	0.02	0.092	0					2.35
8.000	0.00	0.02	0.092	0					2.35
8.083	0.00	0.02	0.091	0					2.34
8.167	0.00	0.02	0.091	0					2.34
8.250	0.00	0.02	0.091	0					2.34
8.333	0.00	0.02	0.091	0					2.34
8.417	0.00	0.02	0.091	0					2.33
8.500	0.00	0.02	0.091	0					2.33
8.583	0.00	0.02	0.091	0					2.33
8.667	0.00	0.02	0.091	0					2.33
8.750	0.00	0.02	0.090	0					2.32
8.833	0.00	0.02	0.090	0					2.32
8.917	0.00	0.02	0.090	0					2.32
9.000	0.00	0.02	0.090	0					2.32
9.083	0.00	0.02	0.090	0					2.31
9.167	0.00	0.02	0.090	0					2.31
9.250	0.00	0.02	0.090	0					2.31
9.333	0.00	0.02	0.089	0					2.31
9.417	0.00	0.02	0.089	0					2.30
9.500	0.00	0.02	0.089	0					2.30
9.583	0.00	0.02	0.089	0					2.30
9.667	0.00	0.02	0.089	0					2.29
9.750	0.00	0.02	0.089	0					2.29
9.833	0.00	0.02	0.089	0					2.29
9.917	0.00	0.02	0.089	0					2.29
10.000	0.00	0.02	0.088	0					2.28
10.083	0.00	0.02	0.088	0					2.28
10.167	0.00	0.02	0.088	0					2.28
10.250	0.00	0.02	0.088	0					2.28
10.333	0.00	0.02	0.088	0					2.27

10.417	0.00	0.02	0.088	0					2.27
10.500	0.00	0.02	0.088	0					2.27
10.583	0.00	0.02	0.087	0					2.26
10.667	0.00	0.02	0.087	0					2.26
10.750	0.00	0.02	0.087	0					2.26
10.833	0.00	0.02	0.087	0					2.26
10.917	0.00	0.02	0.087	0					2.25
11.000	0.00	0.02	0.087	0					2.25
11.083	0.00	0.02	0.087	0					2.25
11.167	0.00	0.02	0.086	0					2.25
11.250	0.00	0.02	0.086	0					2.24
11.333	0.00	0.02	0.086	0					2.24
11.417	0.00	0.02	0.086	0					2.24
11.500	0.00	0.02	0.086	0					2.24
11.583	0.00	0.02	0.086	0					2.23
11.667	0.00	0.02	0.086	0					2.23
11.750	0.00	0.02	0.085	0					2.23
11.833	0.00	0.02	0.085	0					2.22
11.917	0.00	0.02	0.085	0					2.22
12.000	0.00	0.02	0.085	0					2.22
12.083	0.00	0.02	0.085	0					2.22
12.167	0.00	0.02	0.085	0					2.21
12.250	0.00	0.02	0.085	0					2.21
12.333	0.00	0.02	0.085	0					2.21
12.417	0.00	0.02	0.084	0					2.20
12.500	0.00	0.02	0.084	0					2.20
12.583	0.00	0.02	0.084	0					2.20
12.667	0.00	0.02	0.084	0					2.20
12.750	0.00	0.02	0.084	0					2.19
12.833	0.00	0.02	0.084	0					2.19
12.917	0.00	0.02	0.084	0					2.19
13.000	0.00	0.02	0.083	0					2.19
13.083	0.00	0.02	0.083	0					2.18
13.167	0.00	0.02	0.083	0					2.18
13.250	0.00	0.02	0.083	0					2.18
13.333	0.00	0.02	0.083	0					2.17
13.417	0.00	0.02	0.083	0					2.17
13.500	0.00	0.02	0.083	0					2.17
13.583	0.00	0.02	0.082	0					2.17
13.667	0.00	0.02	0.082	0					2.16
13.750	0.00	0.02	0.082	0					2.16
13.833	0.00	0.02	0.082	0					2.16
13.917	0.00	0.02	0.082	0					2.15
14.000	0.00	0.02	0.082	0					2.15
14.083	0.00	0.02	0.082	0					2.15
14.167	0.00	0.02	0.081	0					2.15
14.250	0.00	0.02	0.081	0					2.14
14.333	0.00	0.02	0.081	0					2.14
14.417	0.00	0.02	0.081	0					2.14
14.500	0.00	0.02	0.081	0					2.13

14.583	0.00	0.02	0.081	0					2.13
14.667	0.00	0.02	0.081	0					2.13
14.750	0.00	0.02	0.080	0					2.13
14.833	0.00	0.02	0.080	0					2.12
14.917	0.00	0.02	0.080	0					2.12
15.000	0.00	0.02	0.080	0					2.12
15.083	0.00	0.02	0.080	0					2.11
15.167	0.00	0.02	0.080	0					2.11
15.250	0.00	0.02	0.080	0					2.11
15.333	0.00	0.02	0.079	0					2.11
15.417	0.00	0.02	0.079	0					2.10
15.500	0.00	0.02	0.079	0					2.10
15.583	0.00	0.02	0.079	0					2.10
15.667	0.00	0.02	0.079	0					2.09
15.750	0.00	0.02	0.079	0					2.09
15.833	0.00	0.02	0.078	0					2.09
15.917	0.00	0.02	0.078	0					2.09
16.000	0.00	0.02	0.078	0					2.08
16.083	0.00	0.02	0.078	0					2.08
16.167	0.00	0.02	0.078	0					2.08
16.250	0.00	0.02	0.078	0					2.07
16.333	0.00	0.02	0.078	0					2.07
16.417	0.00	0.02	0.077	0					2.07
16.500	0.00	0.02	0.077	0					2.07
16.583	0.00	0.02	0.077	0					2.06
16.667	0.00	0.02	0.077	0					2.06
16.750	0.00	0.02	0.077	0					2.06
16.833	0.00	0.02	0.077	0					2.05
16.917	0.00	0.02	0.077	0					2.05
17.000	0.00	0.02	0.076	0					2.05
17.083	0.00	0.02	0.076	0					2.05
17.167	0.00	0.02	0.076	0					2.04
17.250	0.00	0.02	0.076	0					2.04
17.333	0.00	0.02	0.076	0					2.04
17.417	0.00	0.02	0.076	0					2.03
17.500	0.00	0.02	0.076	0					2.03
17.583	0.00	0.02	0.075	0					2.03
17.667	0.00	0.02	0.075	0					2.02
17.750	0.00	0.02	0.075	0					2.02
17.833	0.00	0.02	0.075	0					2.02
17.917	0.00	0.02	0.075	0					2.02
18.000	0.00	0.02	0.075	0					2.01
18.083	0.00	0.02	0.074	0					2.01
18.167	0.00	0.02	0.074	0					2.01
18.250	0.00	0.02	0.074	0					2.00
18.333	0.00	0.02	0.074	0					2.00
18.417	0.00	0.02	0.074	0					2.00
18.500	0.00	0.02	0.074	0					1.99
18.583	0.00	0.02	0.074	0					1.99
18.667	0.00	0.02	0.073	0					1.99

18.750	0.00	0.02	0.073	0					1.98
18.833	0.00	0.02	0.073	0					1.98
18.917	0.00	0.02	0.073	0					1.98
19.000	0.00	0.02	0.073	0					1.97
19.083	0.00	0.02	0.073	0					1.97
19.167	0.00	0.02	0.073	0					1.97
19.250	0.00	0.02	0.072	0					1.96
19.333	0.00	0.02	0.072	0					1.96
19.417	0.00	0.02	0.072	0					1.96
19.500	0.00	0.02	0.072	0					1.95
19.583	0.00	0.02	0.072	0					1.95
19.667	0.00	0.02	0.072	0					1.95
19.750	0.00	0.02	0.071	0					1.94
19.833	0.00	0.02	0.071	0					1.94
19.917	0.00	0.02	0.071	0					1.94
20.000	0.00	0.02	0.071	0					1.94
20.083	0.00	0.02	0.071	0					1.93
20.167	0.00	0.02	0.071	0					1.93
20.250	0.00	0.02	0.071	0					1.93
20.333	0.00	0.02	0.070	0					1.92
20.417	0.00	0.02	0.070	0					1.92
20.500	0.00	0.02	0.070	0					1.92
20.583	0.00	0.02	0.070	0					1.91
20.667	0.00	0.02	0.070	0					1.91
20.750	0.00	0.02	0.070	0					1.91
20.833	0.00	0.02	0.070	0					1.90
20.917	0.00	0.02	0.069	0					1.90
21.000	0.00	0.02	0.069	0					1.90
21.083	0.00	0.02	0.069	0					1.89
21.167	0.00	0.02	0.069	0					1.89
21.250	0.00	0.02	0.069	0					1.89
21.333	0.00	0.02	0.069	0					1.88
21.417	0.00	0.02	0.069	0					1.88
21.500	0.00	0.02	0.068	0					1.88
21.583	0.00	0.02	0.068	0					1.87
21.667	0.00	0.02	0.068	0					1.87
21.750	0.00	0.02	0.068	0					1.87
21.833	0.00	0.02	0.068	0					1.86
21.917	0.00	0.02	0.068	0					1.86
22.000	0.00	0.02	0.067	0					1.86
22.083	0.00	0.02	0.067	0					1.86
22.167	0.00	0.02	0.067	0					1.85
22.250	0.00	0.02	0.067	0					1.85
22.333	0.00	0.02	0.067	0					1.85
22.417	0.00	0.02	0.067	0					1.84
22.500	0.00	0.02	0.067	0					1.84
22.583	0.00	0.02	0.066	0					1.84
22.667	0.00	0.02	0.066	0					1.83
22.750	0.00	0.02	0.066	0					1.83
22.833	0.00	0.02	0.066	0					1.83

22.917	0.00	0.02	0.066	0					1.82
23.000	0.00	0.02	0.066	0					1.82
23.083	0.00	0.02	0.066	0					1.82
23.167	0.00	0.02	0.065	0					1.81
23.250	0.00	0.02	0.065	0					1.81
23.333	0.00	0.02	0.065	0					1.81
23.417	0.00	0.02	0.065	0					1.81
23.500	0.00	0.02	0.065	0					1.80
23.583	0.00	0.02	0.065	0					1.80
23.667	0.00	0.02	0.065	0					1.80
23.750	0.00	0.02	0.064	0					1.79
23.833	0.00	0.02	0.064	0					1.79
23.917	0.00	0.02	0.064	0					1.79
24.000	0.00	0.02	0.064	0					1.78
24.083	0.00	0.02	0.064	0					1.78
24.167	0.00	0.02	0.064	0					1.78
24.250	0.00	0.02	0.064	0					1.77
24.333	0.00	0.02	0.063	0					1.77
24.417	0.00	0.02	0.063	0					1.77
24.500	0.00	0.02	0.063	0					1.76
24.583	0.00	0.02	0.063	0					1.76
24.667	0.00	0.02	0.063	0					1.76
24.750	0.00	0.02	0.063	0					1.76
24.833	0.00	0.02	0.063	0					1.75
24.917	0.00	0.02	0.062	0					1.75
25.000	0.00	0.02	0.062	0					1.75
25.083	0.00	0.02	0.062	0					1.74
25.167	0.00	0.02	0.062	0					1.74
25.250	0.00	0.02	0.062	0					1.74
25.333	0.00	0.02	0.062	0					1.73
25.417	0.00	0.02	0.062	0					1.73
25.500	0.00	0.02	0.061	0					1.73
25.583	0.00	0.02	0.061	0					1.72
25.667	0.00	0.02	0.061	0					1.72
25.750	0.00	0.02	0.061	0					1.72
25.833	0.00	0.02	0.061	0					1.72
25.917	0.00	0.02	0.061	0					1.71
26.000	0.00	0.02	0.061	0					1.71
26.083	0.00	0.02	0.061	0					1.71
26.167	0.00	0.02	0.060	0					1.70
26.250	0.00	0.02	0.060	0					1.70
26.333	0.00	0.02	0.060	0					1.70
26.417	0.00	0.02	0.060	0					1.69
26.500	0.00	0.02	0.060	0					1.69
26.583	0.00	0.02	0.060	0					1.69
26.667	0.00	0.02	0.060	0					1.69
26.750	0.00	0.02	0.059	0					1.68
26.833	0.00	0.02	0.059	0					1.68
26.917	0.00	0.02	0.059	0					1.68
27.000	0.00	0.02	0.059	0					1.67

27.083	0.00	0.02	0.059	0					1.67
27.167	0.00	0.02	0.059	0					1.67
27.250	0.00	0.02	0.059	0					1.66
27.333	0.00	0.02	0.058	0					1.66
27.417	0.00	0.02	0.058	0					1.66
27.500	0.00	0.02	0.058	0					1.66
27.583	0.00	0.02	0.058	0					1.65
27.667	0.00	0.02	0.058	0					1.65
27.750	0.00	0.02	0.058	0					1.65
27.833	0.00	0.02	0.058	0					1.64
27.917	0.00	0.02	0.057	0					1.64
28.000	0.00	0.02	0.057	0					1.64
28.083	0.00	0.02	0.057	0					1.63
28.167	0.00	0.02	0.057	0					1.63
28.250	0.00	0.02	0.057	0					1.63
28.333	0.00	0.02	0.057	0					1.63
28.417	0.00	0.02	0.057	0					1.62
28.500	0.00	0.02	0.057	0					1.62
28.583	0.00	0.02	0.056	0					1.62
28.667	0.00	0.02	0.056	0					1.61
28.750	0.00	0.02	0.056	0					1.61
28.833	0.00	0.02	0.056	0					1.61
28.917	0.00	0.02	0.056	0					1.61
29.000	0.00	0.02	0.056	0					1.60
29.083	0.00	0.02	0.056	0					1.60
29.167	0.00	0.02	0.055	0					1.60
29.250	0.00	0.02	0.055	0					1.59
29.333	0.00	0.02	0.055	0					1.59
29.417	0.00	0.02	0.055	0					1.59
29.500	0.00	0.02	0.055	0					1.58
29.583	0.00	0.02	0.055	0					1.58
29.667	0.00	0.02	0.055	0					1.58
29.750	0.00	0.02	0.054	0					1.58
29.833	0.00	0.02	0.054	0					1.57
29.917	0.00	0.02	0.054	0					1.57
30.000	0.00	0.02	0.054	0					1.57
30.083	0.00	0.02	0.054	0					1.56
30.167	0.00	0.02	0.054	0					1.56
30.250	0.00	0.02	0.054	0					1.56
30.333	0.00	0.02	0.054	0					1.56
30.417	0.00	0.02	0.053	0					1.55
30.500	0.00	0.02	0.053	0					1.55
30.583	0.00	0.02	0.053	0					1.55
30.667	0.00	0.02	0.053	0					1.54
30.750	0.00	0.02	0.053	0					1.54
30.833	0.00	0.02	0.053	0					1.54
30.917	0.00	0.02	0.053	0					1.54
31.000	0.00	0.02	0.052	0					1.53
31.083	0.00	0.02	0.052	0					1.53
31.167	0.00	0.02	0.052	0					1.53

31.250	0.00	0.02	0.052	0					1.52
31.333	0.00	0.02	0.052	0					1.52
31.417	0.00	0.02	0.052	0					1.52
31.500	0.00	0.02	0.052	0					1.52
31.583	0.00	0.02	0.052	0					1.51
31.667	0.00	0.02	0.051	0					1.51
31.750	0.00	0.02	0.051	0					1.51
31.833	0.00	0.02	0.051	0					1.50
31.917	0.00	0.02	0.051	0					1.50
32.000	0.00	0.02	0.051	0					1.50
32.083	0.00	0.02	0.051	0					1.50
32.167	0.00	0.02	0.051	0					1.49
32.250	0.00	0.02	0.051	0					1.49
32.333	0.00	0.02	0.050	0					1.49
32.417	0.00	0.02	0.050	0					1.48
32.500	0.00	0.02	0.050	0					1.48
32.583	0.00	0.02	0.050	0					1.48
32.667	0.00	0.02	0.050	0					1.48
32.750	0.00	0.02	0.050	0					1.47
32.833	0.00	0.02	0.050	0					1.47
32.917	0.00	0.02	0.049	0					1.47
33.000	0.00	0.02	0.049	0					1.46
33.083	0.00	0.02	0.049	0					1.46
33.167	0.00	0.02	0.049	0					1.46
33.250	0.00	0.02	0.049	0					1.46
33.333	0.00	0.02	0.049	0					1.45
33.417	0.00	0.02	0.049	0					1.45
33.500	0.00	0.02	0.049	0					1.45
33.583	0.00	0.02	0.048	0					1.44
33.667	0.00	0.02	0.048	0					1.44
33.750	0.00	0.02	0.048	0					1.44
33.833	0.00	0.02	0.048	0					1.44
33.917	0.00	0.02	0.048	0					1.43
34.000	0.00	0.02	0.048	0					1.43
34.083	0.00	0.02	0.048	0					1.43
34.167	0.00	0.02	0.048	0					1.43
34.250	0.00	0.02	0.047	0					1.42
34.333	0.00	0.02	0.047	0					1.42
34.417	0.00	0.02	0.047	0					1.42
34.500	0.00	0.02	0.047	0					1.41
34.583	0.00	0.02	0.047	0					1.41
34.667	0.00	0.02	0.047	0					1.41
34.750	0.00	0.02	0.047	0					1.41
34.833	0.00	0.02	0.047	0					1.40
34.917	0.00	0.02	0.046	0					1.40
35.000	0.00	0.02	0.046	0					1.40
35.083	0.00	0.02	0.046	0					1.39
35.167	0.00	0.02	0.046	0					1.39
35.250	0.00	0.02	0.046	0					1.39
35.333	0.00	0.02	0.046	0					1.39

35.417	0.00	0.02	0.046	0					1.38
35.500	0.00	0.02	0.046	0					1.38
35.583	0.00	0.02	0.045	0					1.38
35.667	0.00	0.02	0.045	0					1.38
35.750	0.00	0.02	0.045	0					1.37
35.833	0.00	0.02	0.045	0					1.37
35.917	0.00	0.02	0.045	0					1.37
36.000	0.00	0.02	0.045	0					1.36
36.083	0.00	0.02	0.045	0					1.36
36.167	0.00	0.02	0.045	0					1.36
36.250	0.00	0.02	0.044	0					1.36
36.333	0.00	0.02	0.044	0					1.35
36.417	0.00	0.02	0.044	0					1.35
36.500	0.00	0.02	0.044	0					1.35
36.583	0.00	0.02	0.044	0					1.35
36.667	0.00	0.02	0.044	0					1.34
36.750	0.00	0.02	0.044	0					1.34
36.833	0.00	0.02	0.044	0					1.34
36.917	0.00	0.02	0.043	0					1.33
37.000	0.00	0.02	0.043	0					1.33
37.083	0.00	0.02	0.043	0					1.33
37.167	0.00	0.02	0.043	0					1.33
37.250	0.00	0.02	0.043	0					1.32
37.333	0.00	0.02	0.043	0					1.32
37.417	0.00	0.02	0.043	0					1.32
37.500	0.00	0.02	0.043	0					1.32
37.583	0.00	0.02	0.042	0					1.31
37.667	0.00	0.02	0.042	0					1.31
37.750	0.00	0.02	0.042	0					1.31
37.833	0.00	0.02	0.042	0					1.31
37.917	0.00	0.02	0.042	0					1.30
38.000	0.00	0.02	0.042	0					1.30
38.083	0.00	0.02	0.042	0					1.30
38.167	0.00	0.02	0.042	0					1.29
38.250	0.00	0.02	0.041	0					1.29
38.333	0.00	0.02	0.041	0					1.29
38.417	0.00	0.02	0.041	0					1.29
38.500	0.00	0.02	0.041	0					1.28
38.583	0.00	0.02	0.041	0					1.28
38.667	0.00	0.02	0.041	0					1.28
38.750	0.00	0.02	0.041	0					1.28
38.833	0.00	0.02	0.041	0					1.27
38.917	0.00	0.02	0.040	0					1.27
39.000	0.00	0.02	0.040	0					1.27
39.083	0.00	0.02	0.040	0					1.27
39.167	0.00	0.02	0.040	0					1.26
39.250	0.00	0.02	0.040	0					1.26
39.333	0.00	0.02	0.040	0					1.26
39.417	0.00	0.02	0.040	0					1.26
39.500	0.00	0.02	0.040	0					1.25

39.583	0.00	0.02	0.039	0					1.25
39.667	0.00	0.02	0.039	0					1.25
39.750	0.00	0.02	0.039	0					1.24
39.833	0.00	0.02	0.039	0					1.24
39.917	0.00	0.02	0.039	0					1.24
40.000	0.00	0.02	0.039	0					1.24
40.083	0.00	0.02	0.039	0					1.23
40.167	0.00	0.02	0.039	0					1.23
40.250	0.00	0.02	0.039	0					1.23
40.333	0.00	0.02	0.038	0					1.23
40.417	0.00	0.02	0.038	0					1.22
40.500	0.00	0.02	0.038	0					1.22
40.583	0.00	0.02	0.038	0					1.22
40.667	0.00	0.02	0.038	0					1.22
40.750	0.00	0.02	0.038	0					1.21
40.833	0.00	0.02	0.038	0					1.21
40.917	0.00	0.02	0.038	0					1.21
41.000	0.00	0.02	0.037	0					1.21
41.083	0.00	0.02	0.037	0					1.20
41.167	0.00	0.02	0.037	0					1.20
41.250	0.00	0.02	0.037	0					1.20
41.333	0.00	0.02	0.037	0					1.20
41.417	0.00	0.02	0.037	0					1.19
41.500	0.00	0.02	0.037	0					1.19
41.583	0.00	0.02	0.037	0					1.19
41.667	0.00	0.02	0.037	0					1.19
41.750	0.00	0.02	0.036	0					1.18
41.833	0.00	0.02	0.036	0					1.18
41.917	0.00	0.02	0.036	0					1.18
42.000	0.00	0.02	0.036	0					1.17
42.083	0.00	0.02	0.036	0					1.17
42.167	0.00	0.02	0.036	0					1.17
42.250	0.00	0.02	0.036	0					1.17
42.333	0.00	0.02	0.036	0					1.16
42.417	0.00	0.02	0.035	0					1.16
42.500	0.00	0.02	0.035	0					1.16
42.583	0.00	0.02	0.035	0					1.16
42.667	0.00	0.02	0.035	0					1.15
42.750	0.00	0.02	0.035	0					1.15
42.833	0.00	0.02	0.035	0					1.15
42.917	0.00	0.02	0.035	0					1.15
43.000	0.00	0.02	0.035	0					1.14
43.083	0.00	0.02	0.035	0					1.14
43.167	0.00	0.02	0.034	0					1.14
43.250	0.00	0.02	0.034	0					1.14
43.333	0.00	0.02	0.034	0					1.13
43.417	0.00	0.02	0.034	0					1.13
43.500	0.00	0.02	0.034	0					1.13
43.583	0.00	0.02	0.034	0					1.13
43.667	0.00	0.02	0.034	0					1.12

43.750	0.00	0.02	0.034	0					1.12
43.833	0.00	0.02	0.033	0					1.12
43.917	0.00	0.02	0.033	0					1.12
44.000	0.00	0.02	0.033	0					1.11
44.083	0.00	0.02	0.033	0					1.11
44.167	0.00	0.02	0.033	0					1.11
44.250	0.00	0.02	0.033	0					1.11
44.333	0.00	0.02	0.033	0					1.10
44.417	0.00	0.02	0.033	0					1.10
44.500	0.00	0.02	0.033	0					1.10
44.583	0.00	0.02	0.032	0					1.10
44.667	0.00	0.02	0.032	0					1.09
44.750	0.00	0.02	0.032	0					1.09
44.833	0.00	0.02	0.032	0					1.09
44.917	0.00	0.02	0.032	0					1.09
45.000	0.00	0.02	0.032	0					1.08
45.083	0.00	0.02	0.032	0					1.08
45.167	0.00	0.02	0.032	0					1.08
45.250	0.00	0.02	0.032	0					1.08
45.333	0.00	0.02	0.031	0					1.07
45.417	0.00	0.02	0.031	0					1.07
45.500	0.00	0.02	0.031	0					1.07
45.583	0.00	0.02	0.031	0					1.07
45.667	0.00	0.02	0.031	0					1.06
45.750	0.00	0.02	0.031	0					1.06
45.833	0.00	0.02	0.031	0					1.06
45.917	0.00	0.02	0.031	0					1.06
46.000	0.00	0.02	0.031	0					1.05
46.083	0.00	0.02	0.030	0					1.05
46.167	0.00	0.02	0.030	0					1.05
46.250	0.00	0.02	0.030	0					1.05
46.333	0.00	0.02	0.030	0					1.05
46.417	0.00	0.02	0.030	0					1.04
46.500	0.00	0.02	0.030	0					1.04
46.583	0.00	0.02	0.030	0					1.04
46.667	0.00	0.02	0.030	0					1.04
46.750	0.00	0.02	0.030	0					1.03
46.833	0.00	0.02	0.029	0					1.03
46.917	0.00	0.02	0.029	0					1.03
47.000	0.00	0.02	0.029	0					1.03
47.083	0.00	0.02	0.029	0					1.02
47.167	0.00	0.02	0.029	0					1.02
47.250	0.00	0.02	0.029	0					1.02
47.333	0.00	0.02	0.029	0					1.02
47.417	0.00	0.02	0.029	0					1.01
47.500	0.00	0.02	0.029	0					1.01
47.583	0.00	0.02	0.028	0					1.01
47.667	0.00	0.02	0.028	0					1.01
47.750	0.00	0.02	0.028	0					1.00
47.833	0.00	0.02	0.028	0					1.00

47.917	0.00	0.02	0.028	0					1.00
48.000	0.00	0.02	0.028	0					0.99
48.083	0.00	0.02	0.028	0					0.99
48.167	0.00	0.02	0.028	0					0.99
48.250	0.00	0.02	0.028	0					0.98
48.333	0.00	0.02	0.027	0					0.98
48.417	0.00	0.02	0.027	0					0.97
48.500	0.00	0.02	0.027	0					0.97
48.583	0.00	0.02	0.027	0					0.97
48.667	0.00	0.02	0.027	0					0.96
48.750	0.00	0.02	0.027	0					0.96
48.833	0.00	0.02	0.027	0					0.96
48.917	0.00	0.02	0.027	0					0.95
49.000	0.00	0.02	0.027	0					0.95
49.083	0.00	0.02	0.026	0					0.94
49.167	0.00	0.02	0.026	0					0.94
49.250	0.00	0.02	0.026	0					0.94
49.333	0.00	0.02	0.026	0					0.93
49.417	0.00	0.02	0.026	0					0.93
49.500	0.00	0.02	0.026	0					0.92
49.583	0.00	0.02	0.026	0					0.92
49.667	0.00	0.02	0.026	0					0.92
49.750	0.00	0.02	0.026	0					0.91
49.833	0.00	0.02	0.025	0					0.91
49.917	0.00	0.02	0.025	0					0.91
50.000	0.00	0.02	0.025	0					0.90
50.083	0.00	0.02	0.025	0					0.90
50.167	0.00	0.02	0.025	0					0.89
50.250	0.00	0.02	0.025	0					0.89
50.333	0.00	0.02	0.025	0					0.89
50.417	0.00	0.02	0.025	0					0.88
50.500	0.00	0.01	0.025	0					0.88
50.583	0.00	0.01	0.025	0					0.88
50.667	0.00	0.01	0.024	0					0.87
50.750	0.00	0.01	0.024	0					0.87
50.833	0.00	0.01	0.024	0					0.86
50.917	0.00	0.01	0.024	0					0.86
51.000	0.00	0.01	0.024	0					0.86
51.083	0.00	0.01	0.024	0					0.85
51.167	0.00	0.01	0.024	0					0.85
51.250	0.00	0.01	0.024	0					0.85
51.333	0.00	0.01	0.024	0					0.84
51.417	0.00	0.01	0.024	0					0.84
51.500	0.00	0.01	0.023	0					0.84
51.583	0.00	0.01	0.023	0					0.83
51.667	0.00	0.01	0.023	0					0.83
51.750	0.00	0.01	0.023	0					0.82
51.833	0.00	0.01	0.023	0					0.82
51.917	0.00	0.01	0.023	0					0.82
52.000	0.00	0.01	0.023	0					0.81

52.083	0.00	0.01	0.023	0					0.81
52.167	0.00	0.01	0.023	0					0.81
52.250	0.00	0.01	0.023	0					0.80
52.333	0.00	0.01	0.022	0					0.80
52.417	0.00	0.01	0.022	0					0.80
52.500	0.00	0.01	0.022	0					0.79
52.583	0.00	0.01	0.022	0					0.79
52.667	0.00	0.01	0.022	0					0.78
52.750	0.00	0.01	0.022	0					0.78
52.833	0.00	0.01	0.022	0					0.78
52.917	0.00	0.01	0.022	0					0.77
53.000	0.00	0.01	0.022	0					0.77
53.083	0.00	0.01	0.022	0					0.77
53.167	0.00	0.01	0.021	0					0.76
53.250	0.00	0.01	0.021	0					0.76
53.333	0.00	0.01	0.021	0					0.76
53.417	0.00	0.01	0.021	0					0.75
53.500	0.00	0.01	0.021	0					0.75
53.583	0.00	0.01	0.021	0					0.75
53.667	0.00	0.01	0.021	0					0.74
53.750	0.00	0.01	0.021	0					0.74
53.833	0.00	0.01	0.021	0					0.74
53.917	0.00	0.01	0.021	0					0.73
54.000	0.00	0.01	0.021	0					0.73
54.083	0.00	0.01	0.020	0					0.73
54.167	0.00	0.01	0.020	0					0.72
54.250	0.00	0.01	0.020	0					0.72
54.333	0.00	0.01	0.020	0					0.72
54.417	0.00	0.01	0.020	0					0.71
54.500	0.00	0.01	0.020	0					0.71
54.583	0.00	0.01	0.020	0					0.71
54.667	0.00	0.01	0.020	0					0.70
54.750	0.00	0.01	0.020	0					0.70
54.833	0.00	0.01	0.020	0					0.70
54.917	0.00	0.01	0.019	0					0.69
55.000	0.00	0.01	0.019	0					0.69
55.083	0.00	0.01	0.019	0					0.69
55.167	0.00	0.01	0.019	0					0.68
55.250	0.00	0.01	0.019	0					0.68
55.333	0.00	0.01	0.019	0					0.68
55.417	0.00	0.01	0.019	0					0.67
55.500	0.00	0.01	0.019	0					0.67
55.583	0.00	0.01	0.019	0					0.67
55.667	0.00	0.01	0.019	0					0.66
55.750	0.00	0.01	0.019	0					0.66
55.833	0.00	0.01	0.018	0					0.66
55.917	0.00	0.01	0.018	0					0.65
56.000	0.00	0.01	0.018	0					0.65
56.083	0.00	0.01	0.018	0					0.65
56.167	0.00	0.01	0.018	0					0.64

56.250	0.00	0.01	0.018	0					0.64
56.333	0.00	0.01	0.018	0					0.64
56.417	0.00	0.01	0.018	0					0.63
56.500	0.00	0.01	0.018	0					0.63
56.583	0.00	0.01	0.018	0					0.63
56.667	0.00	0.01	0.018	0					0.62
56.750	0.00	0.01	0.018	0					0.62
56.833	0.00	0.01	0.017	0					0.62
56.917	0.00	0.01	0.017	0					0.61
57.000	0.00	0.01	0.017	0					0.61
57.083	0.00	0.01	0.017	0					0.61
57.167	0.00	0.01	0.017	0					0.60
57.250	0.00	0.01	0.017	0					0.60
57.333	0.00	0.01	0.017	0					0.60
57.417	0.00	0.01	0.017	0					0.60
57.500	0.00	0.01	0.017	0					0.59
57.583	0.00	0.01	0.017	0					0.59
57.667	0.00	0.01	0.017	0					0.59
57.750	0.00	0.01	0.016	0					0.58
57.833	0.00	0.01	0.016	0					0.58
57.917	0.00	0.01	0.016	0					0.58
58.000	0.00	0.01	0.016	0					0.57
58.083	0.00	0.01	0.016	0					0.57
58.167	0.00	0.01	0.016	0					0.57
58.250	0.00	0.01	0.016	0					0.56
58.333	0.00	0.01	0.016	0					0.56
58.417	0.00	0.01	0.016	0					0.56
58.500	0.00	0.01	0.016	0					0.56
58.583	0.00	0.01	0.016	0					0.55
58.667	0.00	0.01	0.016	0					0.55
58.750	0.00	0.01	0.015	0					0.55
58.833	0.00	0.01	0.015	0					0.54
58.917	0.00	0.01	0.015	0					0.54
59.000	0.00	0.01	0.015	0					0.54
59.083	0.00	0.01	0.015	0					0.53
59.167	0.00	0.01	0.015	0					0.53
59.250	0.00	0.01	0.015	0					0.53
59.333	0.00	0.01	0.015	0					0.53
59.417	0.00	0.01	0.015	0					0.52
59.500	0.00	0.01	0.015	0					0.52
59.583	0.00	0.01	0.015	0					0.52
59.667	0.00	0.01	0.015	0					0.51
59.750	0.00	0.01	0.014	0					0.51
59.833	0.00	0.01	0.014	0					0.51
59.917	0.00	0.01	0.014	0					0.50
60.000	0.00	0.01	0.014	0					0.50
60.083	0.00	0.01	0.014	0					0.50
60.167	0.00	0.01	0.014	0					0.50
60.250	0.00	0.01	0.014	0					0.49
60.333	0.00	0.01	0.014	0					0.49

60.417	0.00	0.01	0.014	0					0.49
60.500	0.00	0.01	0.014	0					0.48
60.583	0.00	0.01	0.014	0					0.48
60.667	0.00	0.01	0.014	0					0.48
60.750	0.00	0.01	0.013	0					0.48
60.833	0.00	0.01	0.013	0					0.47
60.917	0.00	0.01	0.013	0					0.47
61.000	0.00	0.01	0.013	0					0.47
61.083	0.00	0.01	0.013	0					0.46
61.167	0.00	0.01	0.013	0					0.46
61.250	0.00	0.01	0.013	0					0.46
61.333	0.00	0.01	0.013	0					0.46
61.417	0.00	0.01	0.013	0					0.45
61.500	0.00	0.01	0.013	0					0.45
61.583	0.00	0.01	0.013	0					0.45
61.667	0.00	0.01	0.013	0					0.44
61.750	0.00	0.01	0.013	0					0.44
61.833	0.00	0.01	0.012	0					0.44
61.917	0.00	0.01	0.012	0					0.44
62.000	0.00	0.01	0.012	0					0.43
62.083	0.00	0.01	0.012	0					0.43
62.167	0.00	0.01	0.012	0					0.43
62.250	0.00	0.01	0.012	0					0.42
62.333	0.00	0.01	0.012	0					0.42
62.417	0.00	0.01	0.012	0					0.42
62.500	0.00	0.01	0.012	0					0.42
62.583	0.00	0.01	0.012	0					0.41
62.667	0.00	0.01	0.012	0					0.41
62.750	0.00	0.01	0.012	0					0.41
62.833	0.00	0.01	0.012	0					0.41
62.917	0.00	0.01	0.011	0					0.40
63.000	0.00	0.01	0.011	0					0.40
63.083	0.00	0.01	0.011	0					0.40
63.167	0.00	0.01	0.011	0					0.39
63.250	0.00	0.01	0.011	0					0.39
63.333	0.00	0.01	0.011	0					0.39
63.417	0.00	0.01	0.011	0					0.39
63.500	0.00	0.01	0.011	0					0.38
63.583	0.00	0.01	0.011	0					0.38
63.667	0.00	0.01	0.011	0					0.38
63.750	0.00	0.01	0.011	0					0.38
63.833	0.00	0.01	0.011	0					0.37
63.917	0.00	0.01	0.011	0					0.37
64.000	0.00	0.01	0.011	0					0.37
64.083	0.00	0.01	0.010	0					0.37
64.167	0.00	0.01	0.010	0					0.36
64.250	0.00	0.01	0.010	0					0.36
64.333	0.00	0.01	0.010	0					0.36
64.417	0.00	0.01	0.010	0					0.35
64.500	0.00	0.01	0.010	0					0.35

64.583	0.00	0.01	0.010	0					0.35
64.667	0.00	0.01	0.010	0					0.35
64.750	0.00	0.01	0.010	0					0.34
64.833	0.00	0.01	0.010	0					0.34
64.917	0.00	0.01	0.010	0					0.34
65.000	0.00	0.01	0.010	0					0.34
65.083	0.00	0.01	0.010	0					0.33
65.167	0.00	0.01	0.010	0					0.33
65.250	0.00	0.01	0.009	0					0.33
65.333	0.00	0.01	0.009	0					0.33
65.417	0.00	0.01	0.009	0					0.32
65.500	0.00	0.01	0.009	0					0.32
65.583	0.00	0.01	0.009	0					0.32
65.667	0.00	0.01	0.009	0					0.32
65.750	0.00	0.01	0.009	0					0.31
65.833	0.00	0.01	0.009	0					0.31
65.917	0.00	0.01	0.009	0					0.31
66.000	0.00	0.01	0.009	0					0.31
66.083	0.00	0.01	0.009	0					0.30
66.167	0.00	0.01	0.009	0					0.30
66.250	0.00	0.01	0.009	0					0.30
66.333	0.00	0.01	0.009	0					0.30
66.417	0.00	0.01	0.008	0					0.29
66.500	0.00	0.01	0.008	0					0.29
66.583	0.00	0.01	0.008	0					0.29
66.667	0.00	0.01	0.008	0					0.29
66.750	0.00	0.01	0.008	0					0.28
66.833	0.00	0.01	0.008	0					0.28
66.917	0.00	0.01	0.008	0					0.28
67.000	0.00	0.01	0.008	0					0.28
67.083	0.00	0.01	0.008	0					0.27
67.167	0.00	0.01	0.008	0					0.27
67.250	0.00	0.01	0.008	0					0.27
67.333	0.00	0.01	0.008	0					0.27
67.417	0.00	0.01	0.008	0					0.26
67.500	0.00	0.01	0.008	0					0.26
67.583	0.00	0.01	0.008	0					0.26
67.667	0.00	0.01	0.007	0					0.26
67.750	0.00	0.01	0.007	0					0.25
67.833	0.00	0.01	0.007	0					0.25
67.917	0.00	0.01	0.007	0					0.25
68.000	0.00	0.01	0.007	0					0.25
68.083	0.00	0.01	0.007	0					0.24
68.167	0.00	0.01	0.007	0					0.24
68.250	0.00	0.01	0.007	0					0.24
68.333	0.00	0.01	0.007	0					0.24
68.417	0.00	0.01	0.007	0					0.24
68.500	0.00	0.01	0.007	0					0.23
68.583	0.00	0.01	0.007	0					0.23
68.667	0.00	0.01	0.007	0					0.23

68.750	0.00	0.01	0.007	0					0.23
68.833	0.00	0.01	0.007	0					0.22
68.917	0.00	0.01	0.006	0					0.22
69.000	0.00	0.01	0.006	0					0.22
69.083	0.00	0.01	0.006	0					0.22
69.167	0.00	0.01	0.006	0					0.21
69.250	0.00	0.01	0.006	0					0.21
69.333	0.00	0.01	0.006	0					0.21
69.417	0.00	0.01	0.006	0					0.21
69.500	0.00	0.01	0.006	0					0.21
69.583	0.00	0.01	0.006	0					0.20
69.667	0.00	0.01	0.006	0					0.20
69.750	0.00	0.01	0.006	0					0.20
69.833	0.00	0.01	0.006	0					0.20
69.917	0.00	0.01	0.006	0					0.19
70.000	0.00	0.01	0.006	0					0.19
70.083	0.00	0.01	0.006	0					0.19
70.167	0.00	0.01	0.006	0					0.19
70.250	0.00	0.01	0.005	0					0.18
70.333	0.00	0.01	0.005	0					0.18
70.417	0.00	0.01	0.005	0					0.18
70.500	0.00	0.01	0.005	0					0.18
70.583	0.00	0.01	0.005	0					0.18
70.667	0.00	0.01	0.005	0					0.17
70.750	0.00	0.01	0.005	0					0.17
70.833	0.00	0.01	0.005	0					0.17
70.917	0.00	0.01	0.005	0					0.17
71.000	0.00	0.01	0.005	0					0.16
71.083	0.00	0.01	0.005	0					0.16
71.167	0.00	0.01	0.005	0					0.16
71.250	0.00	0.01	0.005	0					0.16
71.333	0.00	0.01	0.005	0					0.16
71.417	0.00	0.01	0.005	0					0.15
71.500	0.00	0.01	0.005	0					0.15
71.583	0.00	0.01	0.004	0					0.15
71.667	0.00	0.01	0.004	0					0.15
71.750	0.00	0.01	0.004	0					0.14
71.833	0.00	0.01	0.004	0					0.14
71.917	0.00	0.01	0.004	0					0.14
72.000	0.00	0.01	0.004	0					0.14
72.083	0.00	0.01	0.004	0					0.14
72.167	0.00	0.01	0.004	0					0.13
72.250	0.00	0.01	0.004	0					0.13
72.333	0.00	0.01	0.004	0					0.13
72.417	0.00	0.01	0.004	0					0.13
72.500	0.00	0.01	0.004	0					0.13
72.583	0.00	0.01	0.004	0					0.12
72.667	0.00	0.01	0.004	0					0.12
72.750	0.00	0.01	0.004	0					0.12
72.833	0.00	0.01	0.004	0					0.12

72.917	0.00	0.01	0.004	0					0.11
73.000	0.00	0.01	0.003	0					0.11
73.083	0.00	0.01	0.003	0					0.11
73.167	0.00	0.01	0.003	0					0.11
73.250	0.00	0.01	0.003	0					0.11
73.333	0.00	0.01	0.003	0					0.10
73.417	0.00	0.01	0.003	0					0.10
73.500	0.00	0.01	0.003	0					0.10
73.583	0.00	0.01	0.003	0					0.10
73.667	0.00	0.01	0.003	0					0.10
73.750	0.00	0.01	0.003	0					0.09
73.833	0.00	0.01	0.003	0					0.09
73.917	0.00	0.01	0.003	0					0.09
74.000	0.00	0.01	0.003	0					0.09
74.083	0.00	0.01	0.003	0					0.09
74.167	0.00	0.01	0.003	0					0.08
74.250	0.00	0.01	0.003	0					0.08
74.333	0.00	0.01	0.003	0					0.08
74.417	0.00	0.01	0.002	0					0.08
74.500	0.00	0.01	0.002	0					0.08
74.583	0.00	0.01	0.002	0					0.07
74.667	0.00	0.01	0.002	0					0.07
74.750	0.00	0.01	0.002	0					0.07
74.833	0.00	0.01	0.002	0					0.07
74.917	0.00	0.01	0.002	0					0.07
75.000	0.00	0.01	0.002	0					0.06
75.083	0.00	0.01	0.002	0					0.06
75.167	0.00	0.01	0.002	0					0.06
75.250	0.00	0.01	0.002	0					0.06
75.333	0.00	0.01	0.002	0					0.06
75.417	0.00	0.01	0.002	0					0.05
75.500	0.00	0.01	0.002	0					0.05
75.583	0.00	0.01	0.002	0					0.05
75.667	0.00	0.01	0.002	0					0.05
75.750	0.00	0.01	0.002	0					0.05
75.833	0.00	0.01	0.002	0					0.05
75.917	0.00	0.01	0.002	0					0.05
76.000	0.00	0.01	0.002	0					0.05
76.083	0.00	0.01	0.001	0					0.04
76.167	0.00	0.01	0.001	0					0.04
76.250	0.00	0.01	0.001	0					0.04
76.333	0.00	0.01	0.001	0					0.04
76.417	0.00	0.01	0.001	0					0.04
76.500	0.00	0.01	0.001	0					0.04
76.583	0.00	0.00	0.001	0					0.04
76.667	0.00	0.00	0.001	0					0.04
76.750	0.00	0.00	0.001	0					0.04
76.833	0.00	0.00	0.001	0					0.03
76.917	0.00	0.00	0.001	0					0.03
77.000	0.00	0.00	0.001	0					0.03

77.083	0.00	0.00	0.001	0					0.03
77.167	0.00	0.00	0.001	0					0.03
77.250	0.00	0.00	0.001	0					0.03
77.333	0.00	0.00	0.001	0					0.03
77.417	0.00	0.00	0.001	0					0.03
77.500	0.00	0.00	0.001	0					0.03
77.583	0.00	0.00	0.001	0					0.03
77.667	0.00	0.00	0.001	0					0.03
77.750	0.00	0.00	0.001	0					0.03
77.833	0.00	0.00	0.001	0					0.02
77.917	0.00	0.00	0.001	0					0.02
78.000	0.00	0.00	0.001	0					0.02
78.083	0.00	0.00	0.001	0					0.02
78.167	0.00	0.00	0.001	0					0.02
78.250	0.00	0.00	0.001	0					0.02
78.333	0.00	0.00	0.001	0					0.02
78.417	0.00	0.00	0.001	0					0.02
78.500	0.00	0.00	0.001	0					0.02
78.583	0.00	0.00	0.001	0					0.02
78.667	0.00	0.00	0.001	0					0.02
78.750	0.00	0.00	0.001	0					0.02
78.833	0.00	0.00	0.001	0					0.02
78.917	0.00	0.00	0.001	0					0.02
79.000	0.00	0.00	0.001	0					0.02
79.083	0.00	0.00	0.001	0					0.02
79.167	0.00	0.00	0.001	0					0.02
79.250	0.00	0.00	0.001	0					0.02
79.333	0.00	0.00	0.001	0					0.02
79.417	0.00	0.00	0.000	0					0.01
79.500	0.00	0.00	0.000	0					0.01
79.583	0.00	0.00	0.000	0					0.01
79.667	0.00	0.00	0.000	0					0.01
79.750	0.00	0.00	0.000	0					0.01
79.833	0.00	0.00	0.000	0					0.01
79.917	0.00	0.00	0.000	0					0.01
80.000	0.00	0.00	0.000	0					0.01
80.083	0.00	0.00	0.000	0					0.01
80.167	0.00	0.00	0.000	0					0.01
80.250	0.00	0.00	0.000	0					0.01
80.333	0.00	0.00	0.000	0					0.01
80.417	0.00	0.00	0.000	0					0.01
80.500	0.00	0.00	0.000	0					0.01
80.583	0.00	0.00	0.000	0					0.01
80.667	0.00	0.00	0.000	0					0.01
80.750	0.00	0.00	0.000	0					0.01
80.833	0.00	0.00	0.000	0					0.01
80.917	0.00	0.00	0.000	0					0.01
81.000	0.00	0.00	0.000	0					0.01
81.083	0.00	0.00	0.000	0					0.01
81.167	0.00	0.00	0.000	0					0.01

81.250	0.00	0.00	0.000	0					0.01
81.333	0.00	0.00	0.000	0					0.01
81.417	0.00	0.00	0.000	0					0.01
81.500	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 978

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.022 (CFS)

Total volume = 0.103 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
10 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da1110.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.430 (CFS)
Total volume = 0.068 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.6	1.22	1.82	2.43	Depth (Ft.)
0.083	0.22	0.00	0.001	0 I					0.02
0.167	0.34	0.01	0.003	0 I					0.08
0.250	0.41	0.01	0.005	0 I					0.17
0.333	0.44	0.01	0.008	0 I					0.28
0.417	0.50	0.01	0.011	0 I					0.39
0.500	0.58	0.01	0.015	0 I					0.52
0.583	0.67	0.01	0.019	0 I					0.67
0.667	0.79	0.01	0.024	0	I				0.85
0.750	1.10	0.02	0.030	0		I			1.05
0.833	2.43	0.02	0.042	0				I	1.31
0.917	1.53	0.02	0.056	0		I			1.61
1.000	0.61	0.02	0.063	0	I				1.76
1.083	0.17	0.02	0.066	0 I					1.82
1.167	0.02	0.02	0.066	0					1.83
1.250	0.00	0.02	0.066	0					1.83
1.333	0.00	0.02	0.066	0					1.83
1.417	0.00	0.02	0.066	0					1.82
1.500	0.00	0.02	0.066	0					1.82
1.583	0.00	0.02	0.066	0					1.82
1.667	0.00	0.02	0.065	0					1.81
1.750	0.00	0.02	0.065	0					1.81
1.833	0.00	0.02	0.065	0					1.81
1.917	0.00	0.02	0.065	0					1.80
2.000	0.00	0.02	0.065	0					1.80

2.083	0.00	0.02	0.065	0					1.80
2.167	0.00	0.02	0.065	0					1.79
2.250	0.00	0.02	0.064	0					1.79
2.333	0.00	0.02	0.064	0					1.79
2.417	0.00	0.02	0.064	0					1.79
2.500	0.00	0.02	0.064	0					1.78
2.583	0.00	0.02	0.064	0					1.78
2.667	0.00	0.02	0.064	0					1.78
2.750	0.00	0.02	0.064	0					1.77
2.833	0.00	0.02	0.063	0					1.77
2.917	0.00	0.02	0.063	0					1.77
3.000	0.00	0.02	0.063	0					1.76
3.083	0.00	0.02	0.063	0					1.76
3.167	0.00	0.02	0.063	0					1.76
3.250	0.00	0.02	0.063	0					1.75
3.333	0.00	0.02	0.063	0					1.75
3.417	0.00	0.02	0.062	0					1.75
3.500	0.00	0.02	0.062	0					1.75
3.583	0.00	0.02	0.062	0					1.74
3.667	0.00	0.02	0.062	0					1.74
3.750	0.00	0.02	0.062	0					1.74
3.833	0.00	0.02	0.062	0					1.73
3.917	0.00	0.02	0.062	0					1.73
4.000	0.00	0.02	0.061	0					1.73
4.083	0.00	0.02	0.061	0					1.72
4.167	0.00	0.02	0.061	0					1.72
4.250	0.00	0.02	0.061	0					1.72
4.333	0.00	0.02	0.061	0					1.71
4.417	0.00	0.02	0.061	0					1.71
4.500	0.00	0.02	0.061	0					1.71
4.583	0.00	0.02	0.060	0					1.71
4.667	0.00	0.02	0.060	0					1.70
4.750	0.00	0.02	0.060	0					1.70
4.833	0.00	0.02	0.060	0					1.70
4.917	0.00	0.02	0.060	0					1.69
5.000	0.00	0.02	0.060	0					1.69
5.083	0.00	0.02	0.060	0					1.69
5.167	0.00	0.02	0.059	0					1.68
5.250	0.00	0.02	0.059	0					1.68
5.333	0.00	0.02	0.059	0					1.68
5.417	0.00	0.02	0.059	0					1.68
5.500	0.00	0.02	0.059	0					1.67
5.583	0.00	0.02	0.059	0					1.67
5.667	0.00	0.02	0.059	0					1.67
5.750	0.00	0.02	0.059	0					1.66
5.833	0.00	0.02	0.058	0					1.66
5.917	0.00	0.02	0.058	0					1.66
6.000	0.00	0.02	0.058	0					1.65
6.083	0.00	0.02	0.058	0					1.65
6.167	0.00	0.02	0.058	0					1.65

6.250	0.00	0.02	0.058	0					1.65
6.333	0.00	0.02	0.058	0					1.64
6.417	0.00	0.02	0.057	0					1.64
6.500	0.00	0.02	0.057	0					1.64
6.583	0.00	0.02	0.057	0					1.63
6.667	0.00	0.02	0.057	0					1.63
6.750	0.00	0.02	0.057	0					1.63
6.833	0.00	0.02	0.057	0					1.62
6.917	0.00	0.02	0.057	0					1.62
7.000	0.00	0.02	0.056	0					1.62
7.083	0.00	0.02	0.056	0					1.62
7.167	0.00	0.02	0.056	0					1.61
7.250	0.00	0.02	0.056	0					1.61
7.333	0.00	0.02	0.056	0					1.61
7.417	0.00	0.02	0.056	0					1.60
7.500	0.00	0.02	0.056	0					1.60
7.583	0.00	0.02	0.056	0					1.60
7.667	0.00	0.02	0.055	0					1.60
7.750	0.00	0.02	0.055	0					1.59
7.833	0.00	0.02	0.055	0					1.59
7.917	0.00	0.02	0.055	0					1.59
8.000	0.00	0.02	0.055	0					1.58
8.083	0.00	0.02	0.055	0					1.58
8.167	0.00	0.02	0.055	0					1.58
8.250	0.00	0.02	0.054	0					1.57
8.333	0.00	0.02	0.054	0					1.57
8.417	0.00	0.02	0.054	0					1.57
8.500	0.00	0.02	0.054	0					1.57
8.583	0.00	0.02	0.054	0					1.56
8.667	0.00	0.02	0.054	0					1.56
8.750	0.00	0.02	0.054	0					1.56
8.833	0.00	0.02	0.054	0					1.55
8.917	0.00	0.02	0.053	0					1.55
9.000	0.00	0.02	0.053	0					1.55
9.083	0.00	0.02	0.053	0					1.55
9.167	0.00	0.02	0.053	0					1.54
9.250	0.00	0.02	0.053	0					1.54
9.333	0.00	0.02	0.053	0					1.54
9.417	0.00	0.02	0.053	0					1.53
9.500	0.00	0.02	0.052	0					1.53
9.583	0.00	0.02	0.052	0					1.53
9.667	0.00	0.02	0.052	0					1.53
9.750	0.00	0.02	0.052	0					1.52
9.833	0.00	0.02	0.052	0					1.52
9.917	0.00	0.02	0.052	0					1.52
10.000	0.00	0.02	0.052	0					1.51
10.083	0.00	0.02	0.052	0					1.51
10.167	0.00	0.02	0.051	0					1.51
10.250	0.00	0.02	0.051	0					1.51
10.333	0.00	0.02	0.051	0					1.50

10.417	0.00	0.02	0.051	0					1.50
10.500	0.00	0.02	0.051	0					1.50
10.583	0.00	0.02	0.051	0					1.49
10.667	0.00	0.02	0.051	0					1.49
10.750	0.00	0.02	0.050	0					1.49
10.833	0.00	0.02	0.050	0					1.49
10.917	0.00	0.02	0.050	0					1.48
11.000	0.00	0.02	0.050	0					1.48
11.083	0.00	0.02	0.050	0					1.48
11.167	0.00	0.02	0.050	0					1.47
11.250	0.00	0.02	0.050	0					1.47
11.333	0.00	0.02	0.050	0					1.47
11.417	0.00	0.02	0.049	0					1.47
11.500	0.00	0.02	0.049	0					1.46
11.583	0.00	0.02	0.049	0					1.46
11.667	0.00	0.02	0.049	0					1.46
11.750	0.00	0.02	0.049	0					1.45
11.833	0.00	0.02	0.049	0					1.45
11.917	0.00	0.02	0.049	0					1.45
12.000	0.00	0.02	0.049	0					1.45
12.083	0.00	0.02	0.048	0					1.44
12.167	0.00	0.02	0.048	0					1.44
12.250	0.00	0.02	0.048	0					1.44
12.333	0.00	0.02	0.048	0					1.44
12.417	0.00	0.02	0.048	0					1.43
12.500	0.00	0.02	0.048	0					1.43
12.583	0.00	0.02	0.048	0					1.43
12.667	0.00	0.02	0.048	0					1.42
12.750	0.00	0.02	0.047	0					1.42
12.833	0.00	0.02	0.047	0					1.42
12.917	0.00	0.02	0.047	0					1.42
13.000	0.00	0.02	0.047	0					1.41
13.083	0.00	0.02	0.047	0					1.41
13.167	0.00	0.02	0.047	0					1.41
13.250	0.00	0.02	0.047	0					1.40
13.333	0.00	0.02	0.046	0					1.40
13.417	0.00	0.02	0.046	0					1.40
13.500	0.00	0.02	0.046	0					1.40
13.583	0.00	0.02	0.046	0					1.39
13.667	0.00	0.02	0.046	0					1.39
13.750	0.00	0.02	0.046	0					1.39
13.833	0.00	0.02	0.046	0					1.39
13.917	0.00	0.02	0.046	0					1.38
14.000	0.00	0.02	0.045	0					1.38
14.083	0.00	0.02	0.045	0					1.38
14.167	0.00	0.02	0.045	0					1.37
14.250	0.00	0.02	0.045	0					1.37
14.333	0.00	0.02	0.045	0					1.37
14.417	0.00	0.02	0.045	0					1.37
14.500	0.00	0.02	0.045	0					1.36

14.583	0.00	0.02	0.045	0					1.36
14.667	0.00	0.02	0.044	0					1.36
14.750	0.00	0.02	0.044	0					1.36
14.833	0.00	0.02	0.044	0					1.35
14.917	0.00	0.02	0.044	0					1.35
15.000	0.00	0.02	0.044	0					1.35
15.083	0.00	0.02	0.044	0					1.34
15.167	0.00	0.02	0.044	0					1.34
15.250	0.00	0.02	0.044	0					1.34
15.333	0.00	0.02	0.043	0					1.34
15.417	0.00	0.02	0.043	0					1.33
15.500	0.00	0.02	0.043	0					1.33
15.583	0.00	0.02	0.043	0					1.33
15.667	0.00	0.02	0.043	0					1.33
15.750	0.00	0.02	0.043	0					1.32
15.833	0.00	0.02	0.043	0					1.32
15.917	0.00	0.02	0.043	0					1.32
16.000	0.00	0.02	0.042	0					1.32
16.083	0.00	0.02	0.042	0					1.31
16.167	0.00	0.02	0.042	0					1.31
16.250	0.00	0.02	0.042	0					1.31
16.333	0.00	0.02	0.042	0					1.30
16.417	0.00	0.02	0.042	0					1.30
16.500	0.00	0.02	0.042	0					1.30
16.583	0.00	0.02	0.042	0					1.30
16.667	0.00	0.02	0.042	0					1.29
16.750	0.00	0.02	0.041	0					1.29
16.833	0.00	0.02	0.041	0					1.29
16.917	0.00	0.02	0.041	0					1.29
17.000	0.00	0.02	0.041	0					1.28
17.083	0.00	0.02	0.041	0					1.28
17.167	0.00	0.02	0.041	0					1.28
17.250	0.00	0.02	0.041	0					1.28
17.333	0.00	0.02	0.041	0					1.27
17.417	0.00	0.02	0.040	0					1.27
17.500	0.00	0.02	0.040	0					1.27
17.583	0.00	0.02	0.040	0					1.26
17.667	0.00	0.02	0.040	0					1.26
17.750	0.00	0.02	0.040	0					1.26
17.833	0.00	0.02	0.040	0					1.26
17.917	0.00	0.02	0.040	0					1.25
18.000	0.00	0.02	0.040	0					1.25
18.083	0.00	0.02	0.039	0					1.25
18.167	0.00	0.02	0.039	0					1.25
18.250	0.00	0.02	0.039	0					1.24
18.333	0.00	0.02	0.039	0					1.24
18.417	0.00	0.02	0.039	0					1.24
18.500	0.00	0.02	0.039	0					1.24
18.583	0.00	0.02	0.039	0					1.23
18.667	0.00	0.02	0.039	0					1.23

18.750	0.00	0.02	0.038	0					1.23
18.833	0.00	0.02	0.038	0					1.23
18.917	0.00	0.02	0.038	0					1.22
19.000	0.00	0.02	0.038	0					1.22
19.083	0.00	0.02	0.038	0					1.22
19.167	0.00	0.02	0.038	0					1.22
19.250	0.00	0.02	0.038	0					1.21
19.333	0.00	0.02	0.038	0					1.21
19.417	0.00	0.02	0.038	0					1.21
19.500	0.00	0.02	0.037	0					1.20
19.583	0.00	0.02	0.037	0					1.20
19.667	0.00	0.02	0.037	0					1.20
19.750	0.00	0.02	0.037	0					1.20
19.833	0.00	0.02	0.037	0					1.19
19.917	0.00	0.02	0.037	0					1.19
20.000	0.00	0.02	0.037	0					1.19
20.083	0.00	0.02	0.037	0					1.19
20.167	0.00	0.02	0.036	0					1.18
20.250	0.00	0.02	0.036	0					1.18
20.333	0.00	0.02	0.036	0					1.18
20.417	0.00	0.02	0.036	0					1.18
20.500	0.00	0.02	0.036	0					1.17
20.583	0.00	0.02	0.036	0					1.17
20.667	0.00	0.02	0.036	0					1.17
20.750	0.00	0.02	0.036	0					1.17
20.833	0.00	0.02	0.036	0					1.16
20.917	0.00	0.02	0.035	0					1.16
21.000	0.00	0.02	0.035	0					1.16
21.083	0.00	0.02	0.035	0					1.16
21.167	0.00	0.02	0.035	0					1.15
21.250	0.00	0.02	0.035	0					1.15
21.333	0.00	0.02	0.035	0					1.15
21.417	0.00	0.02	0.035	0					1.15
21.500	0.00	0.02	0.035	0					1.14
21.583	0.00	0.02	0.034	0					1.14
21.667	0.00	0.02	0.034	0					1.14
21.750	0.00	0.02	0.034	0					1.14
21.833	0.00	0.02	0.034	0					1.13
21.917	0.00	0.02	0.034	0					1.13
22.000	0.00	0.02	0.034	0					1.13
22.083	0.00	0.02	0.034	0					1.13
22.167	0.00	0.02	0.034	0					1.12
22.250	0.00	0.02	0.034	0					1.12
22.333	0.00	0.02	0.033	0					1.12
22.417	0.00	0.02	0.033	0					1.12
22.500	0.00	0.02	0.033	0					1.11
22.583	0.00	0.02	0.033	0					1.11
22.667	0.00	0.02	0.033	0					1.11
22.750	0.00	0.02	0.033	0					1.11
22.833	0.00	0.02	0.033	0					1.10

22.917	0.00	0.02	0.033	0					1.10
23.000	0.00	0.02	0.033	0					1.10
23.083	0.00	0.02	0.032	0					1.10
23.167	0.00	0.02	0.032	0					1.09
23.250	0.00	0.02	0.032	0					1.09
23.333	0.00	0.02	0.032	0					1.09
23.417	0.00	0.02	0.032	0					1.09
23.500	0.00	0.02	0.032	0					1.08
23.583	0.00	0.02	0.032	0					1.08
23.667	0.00	0.02	0.032	0					1.08
23.750	0.00	0.02	0.032	0					1.08
23.833	0.00	0.02	0.031	0					1.07
23.917	0.00	0.02	0.031	0					1.07
24.000	0.00	0.02	0.031	0					1.07
24.083	0.00	0.02	0.031	0					1.07
24.167	0.00	0.02	0.031	0					1.06
24.250	0.00	0.02	0.031	0					1.06
24.333	0.00	0.02	0.031	0					1.06
24.417	0.00	0.02	0.031	0					1.06
24.500	0.00	0.02	0.030	0					1.05
24.583	0.00	0.02	0.030	0					1.05
24.667	0.00	0.02	0.030	0					1.05
24.750	0.00	0.02	0.030	0					1.05
24.833	0.00	0.02	0.030	0					1.04
24.917	0.00	0.02	0.030	0					1.04
25.000	0.00	0.02	0.030	0					1.04
25.083	0.00	0.02	0.030	0					1.04
25.167	0.00	0.02	0.030	0					1.03
25.250	0.00	0.02	0.029	0					1.03
25.333	0.00	0.02	0.029	0					1.03
25.417	0.00	0.02	0.029	0					1.03
25.500	0.00	0.02	0.029	0					1.02
25.583	0.00	0.02	0.029	0					1.02
25.667	0.00	0.02	0.029	0					1.02
25.750	0.00	0.02	0.029	0					1.02
25.833	0.00	0.02	0.029	0					1.02
25.917	0.00	0.02	0.029	0					1.01
26.000	0.00	0.02	0.028	0					1.01
26.083	0.00	0.02	0.028	0					1.01
26.167	0.00	0.02	0.028	0					1.01
26.250	0.00	0.02	0.028	0					1.00
26.333	0.00	0.02	0.028	0					1.00
26.417	0.00	0.02	0.028	0					1.00
26.500	0.00	0.02	0.028	0					0.99
26.583	0.00	0.02	0.028	0					0.99
26.667	0.00	0.02	0.028	0					0.99
26.750	0.00	0.02	0.027	0					0.98
26.833	0.00	0.02	0.027	0					0.98
26.917	0.00	0.02	0.027	0					0.97
27.000	0.00	0.02	0.027	0					0.97

27.083	0.00	0.02	0.027	0					0.97
27.167	0.00	0.02	0.027	0					0.96
27.250	0.00	0.02	0.027	0					0.96
27.333	0.00	0.02	0.027	0					0.95
27.417	0.00	0.02	0.027	0					0.95
27.500	0.00	0.02	0.027	0					0.95
27.583	0.00	0.02	0.026	0					0.94
27.667	0.00	0.02	0.026	0					0.94
27.750	0.00	0.02	0.026	0					0.93
27.833	0.00	0.02	0.026	0					0.93
27.917	0.00	0.02	0.026	0					0.93
28.000	0.00	0.02	0.026	0					0.92
28.083	0.00	0.02	0.026	0					0.92
28.167	0.00	0.02	0.026	0					0.92
28.250	0.00	0.02	0.026	0					0.91
28.333	0.00	0.02	0.025	0					0.91
28.417	0.00	0.02	0.025	0					0.90
28.500	0.00	0.02	0.025	0					0.90
28.583	0.00	0.02	0.025	0					0.90
28.667	0.00	0.02	0.025	0					0.89
28.750	0.00	0.02	0.025	0					0.89
28.833	0.00	0.02	0.025	0					0.89
28.917	0.00	0.01	0.025	0					0.88
29.000	0.00	0.01	0.025	0					0.88
29.083	0.00	0.01	0.025	0					0.87
29.167	0.00	0.01	0.024	0					0.87
29.250	0.00	0.01	0.024	0					0.87
29.333	0.00	0.01	0.024	0					0.86
29.417	0.00	0.01	0.024	0					0.86
29.500	0.00	0.01	0.024	0					0.86
29.583	0.00	0.01	0.024	0					0.85
29.667	0.00	0.01	0.024	0					0.85
29.750	0.00	0.01	0.024	0					0.84
29.833	0.00	0.01	0.024	0					0.84
29.917	0.00	0.01	0.024	0					0.84
30.000	0.00	0.01	0.023	0					0.83
30.083	0.00	0.01	0.023	0					0.83
30.167	0.00	0.01	0.023	0					0.83
30.250	0.00	0.01	0.023	0					0.82
30.333	0.00	0.01	0.023	0					0.82
30.417	0.00	0.01	0.023	0					0.82
30.500	0.00	0.01	0.023	0					0.81
30.583	0.00	0.01	0.023	0					0.81
30.667	0.00	0.01	0.023	0					0.81
30.750	0.00	0.01	0.023	0					0.80
30.833	0.00	0.01	0.022	0					0.80
30.917	0.00	0.01	0.022	0					0.79
31.000	0.00	0.01	0.022	0					0.79
31.083	0.00	0.01	0.022	0					0.79
31.167	0.00	0.01	0.022	0					0.78

31.250	0.00	0.01	0.022	0					0.78
31.333	0.00	0.01	0.022	0					0.78
31.417	0.00	0.01	0.022	0					0.77
31.500	0.00	0.01	0.022	0					0.77
31.583	0.00	0.01	0.022	0					0.77
31.667	0.00	0.01	0.021	0					0.76
31.750	0.00	0.01	0.021	0					0.76
31.833	0.00	0.01	0.021	0					0.76
31.917	0.00	0.01	0.021	0					0.75
32.000	0.00	0.01	0.021	0					0.75
32.083	0.00	0.01	0.021	0					0.75
32.167	0.00	0.01	0.021	0					0.74
32.250	0.00	0.01	0.021	0					0.74
32.333	0.00	0.01	0.021	0					0.74
32.417	0.00	0.01	0.021	0					0.73
32.500	0.00	0.01	0.020	0					0.73
32.583	0.00	0.01	0.020	0					0.72
32.667	0.00	0.01	0.020	0					0.72
32.750	0.00	0.01	0.020	0					0.72
32.833	0.00	0.01	0.020	0					0.71
32.917	0.00	0.01	0.020	0					0.71
33.000	0.00	0.01	0.020	0					0.71
33.083	0.00	0.01	0.020	0					0.70
33.167	0.00	0.01	0.020	0					0.70
33.250	0.00	0.01	0.020	0					0.70
33.333	0.00	0.01	0.020	0					0.69
33.417	0.00	0.01	0.019	0					0.69
33.500	0.00	0.01	0.019	0					0.69
33.583	0.00	0.01	0.019	0					0.68
33.667	0.00	0.01	0.019	0					0.68
33.750	0.00	0.01	0.019	0					0.68
33.833	0.00	0.01	0.019	0					0.67
33.917	0.00	0.01	0.019	0					0.67
34.000	0.00	0.01	0.019	0					0.67
34.083	0.00	0.01	0.019	0					0.66
34.167	0.00	0.01	0.019	0					0.66
34.250	0.00	0.01	0.019	0					0.66
34.333	0.00	0.01	0.018	0					0.66
34.417	0.00	0.01	0.018	0					0.65
34.500	0.00	0.01	0.018	0					0.65
34.583	0.00	0.01	0.018	0					0.65
34.667	0.00	0.01	0.018	0					0.64
34.750	0.00	0.01	0.018	0					0.64
34.833	0.00	0.01	0.018	0					0.64
34.917	0.00	0.01	0.018	0					0.63
35.000	0.00	0.01	0.018	0					0.63
35.083	0.00	0.01	0.018	0					0.63
35.167	0.00	0.01	0.018	0					0.62
35.250	0.00	0.01	0.017	0					0.62
35.333	0.00	0.01	0.017	0					0.62

35.417	0.00	0.01	0.017	0					0.61
35.500	0.00	0.01	0.017	0					0.61
35.583	0.00	0.01	0.017	0					0.61
35.667	0.00	0.01	0.017	0					0.60
35.750	0.00	0.01	0.017	0					0.60
35.833	0.00	0.01	0.017	0					0.60
35.917	0.00	0.01	0.017	0					0.59
36.000	0.00	0.01	0.017	0					0.59
36.083	0.00	0.01	0.017	0					0.59
36.167	0.00	0.01	0.017	0					0.59
36.250	0.00	0.01	0.016	0					0.58
36.333	0.00	0.01	0.016	0					0.58
36.417	0.00	0.01	0.016	0					0.58
36.500	0.00	0.01	0.016	0					0.57
36.583	0.00	0.01	0.016	0					0.57
36.667	0.00	0.01	0.016	0					0.57
36.750	0.00	0.01	0.016	0					0.56
36.833	0.00	0.01	0.016	0					0.56
36.917	0.00	0.01	0.016	0					0.56
37.000	0.00	0.01	0.016	0					0.55
37.083	0.00	0.01	0.016	0					0.55
37.167	0.00	0.01	0.016	0					0.55
37.250	0.00	0.01	0.015	0					0.55
37.333	0.00	0.01	0.015	0					0.54
37.417	0.00	0.01	0.015	0					0.54
37.500	0.00	0.01	0.015	0					0.54
37.583	0.00	0.01	0.015	0					0.53
37.667	0.00	0.01	0.015	0					0.53
37.750	0.00	0.01	0.015	0					0.53
37.833	0.00	0.01	0.015	0					0.52
37.917	0.00	0.01	0.015	0					0.52
38.000	0.00	0.01	0.015	0					0.52
38.083	0.00	0.01	0.015	0					0.52
38.167	0.00	0.01	0.015	0					0.51
38.250	0.00	0.01	0.014	0					0.51
38.333	0.00	0.01	0.014	0					0.51
38.417	0.00	0.01	0.014	0					0.50
38.500	0.00	0.01	0.014	0					0.50
38.583	0.00	0.01	0.014	0					0.50
38.667	0.00	0.01	0.014	0					0.49
38.750	0.00	0.01	0.014	0					0.49
38.833	0.00	0.01	0.014	0					0.49
38.917	0.00	0.01	0.014	0					0.49
39.000	0.00	0.01	0.014	0					0.48
39.083	0.00	0.01	0.014	0					0.48
39.167	0.00	0.01	0.014	0					0.48
39.250	0.00	0.01	0.013	0					0.47
39.333	0.00	0.01	0.013	0					0.47
39.417	0.00	0.01	0.013	0					0.47
39.500	0.00	0.01	0.013	0					0.47

39.583	0.00	0.01	0.013	0					0.46
39.667	0.00	0.01	0.013	0					0.46
39.750	0.00	0.01	0.013	0					0.46
39.833	0.00	0.01	0.013	0					0.45
39.917	0.00	0.01	0.013	0					0.45
40.000	0.00	0.01	0.013	0					0.45
40.083	0.00	0.01	0.013	0					0.45
40.167	0.00	0.01	0.013	0					0.44
40.250	0.00	0.01	0.013	0					0.44
40.333	0.00	0.01	0.012	0					0.44
40.417	0.00	0.01	0.012	0					0.44
40.500	0.00	0.01	0.012	0					0.43
40.583	0.00	0.01	0.012	0					0.43
40.667	0.00	0.01	0.012	0					0.43
40.750	0.00	0.01	0.012	0					0.42
40.833	0.00	0.01	0.012	0					0.42
40.917	0.00	0.01	0.012	0					0.42
41.000	0.00	0.01	0.012	0					0.42
41.083	0.00	0.01	0.012	0					0.41
41.167	0.00	0.01	0.012	0					0.41
41.250	0.00	0.01	0.012	0					0.41
41.333	0.00	0.01	0.012	0					0.40
41.417	0.00	0.01	0.011	0					0.40
41.500	0.00	0.01	0.011	0					0.40
41.583	0.00	0.01	0.011	0					0.40
41.667	0.00	0.01	0.011	0					0.39
41.750	0.00	0.01	0.011	0					0.39
41.833	0.00	0.01	0.011	0					0.39
41.917	0.00	0.01	0.011	0					0.39
42.000	0.00	0.01	0.011	0					0.38
42.083	0.00	0.01	0.011	0					0.38
42.167	0.00	0.01	0.011	0					0.38
42.250	0.00	0.01	0.011	0					0.38
42.333	0.00	0.01	0.011	0					0.37
42.417	0.00	0.01	0.011	0					0.37
42.500	0.00	0.01	0.010	0					0.37
42.583	0.00	0.01	0.010	0					0.36
42.667	0.00	0.01	0.010	0					0.36
42.750	0.00	0.01	0.010	0					0.36
42.833	0.00	0.01	0.010	0					0.36
42.917	0.00	0.01	0.010	0					0.35
43.000	0.00	0.01	0.010	0					0.35
43.083	0.00	0.01	0.010	0					0.35
43.167	0.00	0.01	0.010	0					0.35
43.250	0.00	0.01	0.010	0					0.34
43.333	0.00	0.01	0.010	0					0.34
43.417	0.00	0.01	0.010	0					0.34
43.500	0.00	0.01	0.010	0					0.34
43.583	0.00	0.01	0.010	0					0.33
43.667	0.00	0.01	0.009	0					0.33

43.750	0.00	0.01	0.009	0					0.33
43.833	0.00	0.01	0.009	0					0.33
43.917	0.00	0.01	0.009	0					0.32
44.000	0.00	0.01	0.009	0					0.32
44.083	0.00	0.01	0.009	0					0.32
44.167	0.00	0.01	0.009	0					0.32
44.250	0.00	0.01	0.009	0					0.31
44.333	0.00	0.01	0.009	0					0.31
44.417	0.00	0.01	0.009	0					0.31
44.500	0.00	0.01	0.009	0					0.31
44.583	0.00	0.01	0.009	0					0.30
44.667	0.00	0.01	0.009	0					0.30
44.750	0.00	0.01	0.009	0					0.30
44.833	0.00	0.01	0.009	0					0.30
44.917	0.00	0.01	0.008	0					0.29
45.000	0.00	0.01	0.008	0					0.29
45.083	0.00	0.01	0.008	0					0.29
45.167	0.00	0.01	0.008	0					0.29
45.250	0.00	0.01	0.008	0					0.28
45.333	0.00	0.01	0.008	0					0.28
45.417	0.00	0.01	0.008	0					0.28
45.500	0.00	0.01	0.008	0					0.28
45.583	0.00	0.01	0.008	0					0.27
45.667	0.00	0.01	0.008	0					0.27
45.750	0.00	0.01	0.008	0					0.27
45.833	0.00	0.01	0.008	0					0.27
45.917	0.00	0.01	0.008	0					0.26
46.000	0.00	0.01	0.008	0					0.26
46.083	0.00	0.01	0.007	0					0.26
46.167	0.00	0.01	0.007	0					0.26
46.250	0.00	0.01	0.007	0					0.25
46.333	0.00	0.01	0.007	0					0.25
46.417	0.00	0.01	0.007	0					0.25
46.500	0.00	0.01	0.007	0					0.25
46.583	0.00	0.01	0.007	0					0.24
46.667	0.00	0.01	0.007	0					0.24
46.750	0.00	0.01	0.007	0					0.24
46.833	0.00	0.01	0.007	0					0.24
46.917	0.00	0.01	0.007	0					0.23
47.000	0.00	0.01	0.007	0					0.23
47.083	0.00	0.01	0.007	0					0.23
47.167	0.00	0.01	0.007	0					0.23
47.250	0.00	0.01	0.007	0					0.23
47.333	0.00	0.01	0.007	0					0.22
47.417	0.00	0.01	0.006	0					0.22
47.500	0.00	0.01	0.006	0					0.22
47.583	0.00	0.01	0.006	0					0.22
47.667	0.00	0.01	0.006	0					0.21
47.750	0.00	0.01	0.006	0					0.21
47.833	0.00	0.01	0.006	0					0.21

47.917	0.00	0.01	0.006	0					0.21
48.000	0.00	0.01	0.006	0					0.20
48.083	0.00	0.01	0.006	0					0.20
48.167	0.00	0.01	0.006	0					0.20
48.250	0.00	0.01	0.006	0					0.20
48.333	0.00	0.01	0.006	0					0.20
48.417	0.00	0.01	0.006	0					0.19
48.500	0.00	0.01	0.006	0					0.19
48.583	0.00	0.01	0.006	0					0.19
48.667	0.00	0.01	0.005	0					0.19
48.750	0.00	0.01	0.005	0					0.18
48.833	0.00	0.01	0.005	0					0.18
48.917	0.00	0.01	0.005	0					0.18
49.000	0.00	0.01	0.005	0					0.18
49.083	0.00	0.01	0.005	0					0.17
49.167	0.00	0.01	0.005	0					0.17
49.250	0.00	0.01	0.005	0					0.17
49.333	0.00	0.01	0.005	0					0.17
49.417	0.00	0.01	0.005	0					0.17
49.500	0.00	0.01	0.005	0					0.16
49.583	0.00	0.01	0.005	0					0.16
49.667	0.00	0.01	0.005	0					0.16
49.750	0.00	0.01	0.005	0					0.16
49.833	0.00	0.01	0.005	0					0.16
49.917	0.00	0.01	0.005	0					0.15
50.000	0.00	0.01	0.005	0					0.15
50.083	0.00	0.01	0.004	0					0.15
50.167	0.00	0.01	0.004	0					0.15
50.250	0.00	0.01	0.004	0					0.14
50.333	0.00	0.01	0.004	0					0.14
50.417	0.00	0.01	0.004	0					0.14
50.500	0.00	0.01	0.004	0					0.14
50.583	0.00	0.01	0.004	0					0.14
50.667	0.00	0.01	0.004	0					0.13
50.750	0.00	0.01	0.004	0					0.13
50.833	0.00	0.01	0.004	0					0.13
50.917	0.00	0.01	0.004	0					0.13
51.000	0.00	0.01	0.004	0					0.12
51.083	0.00	0.01	0.004	0					0.12
51.167	0.00	0.01	0.004	0					0.12
51.250	0.00	0.01	0.004	0					0.12
51.333	0.00	0.01	0.004	0					0.12
51.417	0.00	0.01	0.003	0					0.11
51.500	0.00	0.01	0.003	0					0.11
51.583	0.00	0.01	0.003	0					0.11
51.667	0.00	0.01	0.003	0					0.11
51.750	0.00	0.01	0.003	0					0.11
51.833	0.00	0.01	0.003	0					0.10
51.917	0.00	0.01	0.003	0					0.10
52.000	0.00	0.01	0.003	0					0.10

52.083	0.00	0.01	0.003	0					0.10
52.167	0.00	0.01	0.003	0					0.10
52.250	0.00	0.01	0.003	0					0.09
52.333	0.00	0.01	0.003	0					0.09
52.417	0.00	0.01	0.003	0					0.09
52.500	0.00	0.01	0.003	0					0.09
52.583	0.00	0.01	0.003	0					0.09
52.667	0.00	0.01	0.003	0					0.08
52.750	0.00	0.01	0.003	0					0.08
52.833	0.00	0.01	0.003	0					0.08
52.917	0.00	0.01	0.002	0					0.08
53.000	0.00	0.01	0.002	0					0.07
53.083	0.00	0.01	0.002	0					0.07
53.167	0.00	0.01	0.002	0					0.07
53.250	0.00	0.01	0.002	0					0.07
53.333	0.00	0.01	0.002	0					0.07
53.417	0.00	0.01	0.002	0					0.06
53.500	0.00	0.01	0.002	0					0.06
53.583	0.00	0.01	0.002	0					0.06
53.667	0.00	0.01	0.002	0					0.06
53.750	0.00	0.01	0.002	0					0.06
53.833	0.00	0.01	0.002	0					0.06
53.917	0.00	0.01	0.002	0					0.05
54.000	0.00	0.01	0.002	0					0.05
54.083	0.00	0.01	0.002	0					0.05
54.167	0.00	0.01	0.002	0					0.05
54.250	0.00	0.01	0.002	0					0.05
54.333	0.00	0.01	0.002	0					0.05
54.417	0.00	0.01	0.002	0					0.05
54.500	0.00	0.01	0.001	0					0.04
54.583	0.00	0.01	0.001	0					0.04
54.667	0.00	0.01	0.001	0					0.04
54.750	0.00	0.01	0.001	0					0.04
54.833	0.00	0.01	0.001	0					0.04
54.917	0.00	0.01	0.001	0					0.04
55.000	0.00	0.01	0.001	0					0.04
55.083	0.00	0.00	0.001	0					0.04
55.167	0.00	0.00	0.001	0					0.04
55.250	0.00	0.00	0.001	0					0.04
55.333	0.00	0.00	0.001	0					0.03
55.417	0.00	0.00	0.001	0					0.03
55.500	0.00	0.00	0.001	0					0.03
55.583	0.00	0.00	0.001	0					0.03
55.667	0.00	0.00	0.001	0					0.03
55.750	0.00	0.00	0.001	0					0.03
55.833	0.00	0.00	0.001	0					0.03
55.917	0.00	0.00	0.001	0					0.03
56.000	0.00	0.00	0.001	0					0.03
56.083	0.00	0.00	0.001	0					0.03
56.167	0.00	0.00	0.001	0					0.03

56.250	0.00	0.00	0.001	0					0.03
56.333	0.00	0.00	0.001	0					0.02
56.417	0.00	0.00	0.001	0					0.02
56.500	0.00	0.00	0.001	0					0.02
56.583	0.00	0.00	0.001	0					0.02
56.667	0.00	0.00	0.001	0					0.02
56.750	0.00	0.00	0.001	0					0.02
56.833	0.00	0.00	0.001	0					0.02
56.917	0.00	0.00	0.001	0					0.02
57.000	0.00	0.00	0.001	0					0.02
57.083	0.00	0.00	0.001	0					0.02
57.167	0.00	0.00	0.001	0					0.02
57.250	0.00	0.00	0.001	0					0.02
57.333	0.00	0.00	0.001	0					0.02
57.417	0.00	0.00	0.001	0					0.02
57.500	0.00	0.00	0.001	0					0.02
57.583	0.00	0.00	0.001	0					0.02
57.667	0.00	0.00	0.001	0					0.02
57.750	0.00	0.00	0.001	0					0.02
57.833	0.00	0.00	0.000	0					0.01
57.917	0.00	0.00	0.000	0					0.01
58.000	0.00	0.00	0.000	0					0.01
58.083	0.00	0.00	0.000	0					0.01
58.167	0.00	0.00	0.000	0					0.01
58.250	0.00	0.00	0.000	0					0.01
58.333	0.00	0.00	0.000	0					0.01
58.417	0.00	0.00	0.000	0					0.01
58.500	0.00	0.00	0.000	0					0.01
58.583	0.00	0.00	0.000	0					0.01
58.667	0.00	0.00	0.000	0					0.01
58.750	0.00	0.00	0.000	0					0.01
58.833	0.00	0.00	0.000	0					0.01
58.917	0.00	0.00	0.000	0					0.01
59.000	0.00	0.00	0.000	0					0.01
59.083	0.00	0.00	0.000	0					0.01
59.167	0.00	0.00	0.000	0					0.01
59.250	0.00	0.00	0.000	0					0.01
59.333	0.00	0.00	0.000	0					0.01
59.417	0.00	0.00	0.000	0					0.01
59.500	0.00	0.00	0.000	0					0.01
59.583	0.00	0.00	0.000	0					0.01
59.667	0.00	0.00	0.000	0					0.01
59.750	0.00	0.00	0.000	0					0.01
59.833	0.00	0.00	0.000	0					0.01
59.917	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 719

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.021 (CFS)

Total volume = 0.067 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
5 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da1245.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.312 (CFS)
Total volume = 0.189 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.16	0.23	0.31	Depth (Ft.)
0.083	0.01	0.00	0.000	OI					0.00
0.167	0.02	0.00	0.000	OI					0.00
0.250	0.02	0.00	0.000	OI					0.01
0.333	0.02	0.00	0.000	O I					0.01
0.417	0.03	0.00	0.001	O I					0.02
0.500	0.03	0.00	0.001	O I					0.02
0.583	0.03	0.00	0.001	O I					0.03
0.667	0.03	0.00	0.001	O I					0.03
0.750	0.03	0.00	0.001	O I					0.04
0.833	0.03	0.01	0.001	O I					0.04
0.917	0.04	0.01	0.002	O I					0.05
1.000	0.04	0.01	0.002	O I					0.05
1.083	0.03	0.01	0.002	O I					0.06
1.167	0.03	0.01	0.002	O I					0.06
1.250	0.03	0.01	0.002	O I					0.07
1.333	0.03	0.01	0.002	O I					0.07
1.417	0.03	0.01	0.003	O I					0.08
1.500	0.03	0.01	0.003	O I					0.08
1.583	0.03	0.01	0.003	O I					0.09
1.667	0.03	0.01	0.003	O I					0.09
1.750	0.03	0.01	0.003	O I					0.10
1.833	0.03	0.01	0.003	O I					0.10
1.917	0.04	0.01	0.003	O I					0.11
2.000	0.04	0.01	0.004	O I					0.12

2.083	0.04	0.01	0.004	0	I					0.12
2.167	0.04	0.01	0.004	0	I					0.13
2.250	0.04	0.01	0.004	0	I					0.14
2.333	0.04	0.01	0.004	0	I					0.14
2.417	0.04	0.01	0.005	0	I					0.15
2.500	0.04	0.01	0.005	0	I					0.16
2.583	0.04	0.01	0.005	0	I					0.17
2.667	0.05	0.01	0.005	0	I					0.18
2.750	0.05	0.01	0.005	0	I					0.18
2.833	0.05	0.01	0.006	0	I					0.19
2.917	0.05	0.01	0.006	0	I					0.20
3.000	0.05	0.01	0.006	0	I					0.21
3.083	0.05	0.01	0.006	0	I					0.22
3.167	0.05	0.01	0.007	0	I					0.23
3.250	0.05	0.01	0.007	0	I					0.24
3.333	0.05	0.01	0.007	0	I					0.25
3.417	0.05	0.01	0.007	0	I					0.26
3.500	0.05	0.01	0.008	0	I					0.27
3.583	0.05	0.01	0.008	0	I					0.27
3.667	0.05	0.01	0.008	0	I					0.28
3.750	0.05	0.01	0.008	0	I					0.29
3.833	0.05	0.01	0.009	0	I					0.30
3.917	0.05	0.01	0.009	0	I					0.31
4.000	0.06	0.01	0.009	0	I					0.32
4.083	0.06	0.01	0.010	0	I					0.34
4.167	0.06	0.01	0.010	0	I					0.35
4.250	0.06	0.01	0.010	0	I					0.36
4.333	0.06	0.01	0.011	0	I					0.37
4.417	0.06	0.01	0.011	0	I					0.38
4.500	0.06	0.01	0.011	0	I					0.40
4.583	0.06	0.01	0.012	0	I					0.41
4.667	0.06	0.01	0.012	0	I					0.42
4.750	0.06	0.01	0.012	0	I					0.44
4.833	0.07	0.01	0.013	0	I					0.45
4.917	0.07	0.01	0.013	0	I					0.46
5.000	0.07	0.01	0.014	0	I					0.48
5.083	0.06	0.01	0.014	0	I					0.49
5.167	0.06	0.01	0.014	0	I					0.51
5.250	0.06	0.01	0.015	0	I					0.52
5.333	0.06	0.01	0.015	0	I					0.53
5.417	0.06	0.01	0.015	0	I					0.54
5.500	0.06	0.01	0.016	0	I					0.55
5.583	0.07	0.01	0.016	0	I					0.57
5.667	0.07	0.01	0.016	0	I					0.58
5.750	0.07	0.01	0.017	0	I					0.60
5.833	0.07	0.01	0.017	0	I					0.61
5.917	0.07	0.01	0.018	0	I					0.63
6.000	0.07	0.01	0.018	0	I					0.64
6.083	0.08	0.01	0.019	0	I					0.66
6.167	0.08	0.01	0.019	0	I					0.67

6.250	0.08	0.01	0.019	0	I				0.69
6.333	0.08	0.01	0.020	0	I				0.71
6.417	0.08	0.01	0.020	0	I				0.73
6.500	0.08	0.01	0.021	0	I				0.74
6.583	0.09	0.01	0.021	0	I				0.76
6.667	0.09	0.01	0.022	0	I				0.78
6.750	0.09	0.01	0.022	0	I				0.80
6.833	0.09	0.01	0.023	0	I				0.82
6.917	0.09	0.01	0.023	0	I				0.84
7.000	0.09	0.01	0.024	0	I				0.86
7.083	0.09	0.01	0.025	0	I				0.88
7.167	0.09	0.02	0.025	0	I				0.89
7.250	0.09	0.02	0.026	0	I				0.91
7.333	0.10	0.02	0.026	0	I				0.93
7.417	0.10	0.02	0.027	0	I				0.95
7.500	0.10	0.02	0.027	0	I				0.98
7.583	0.11	0.02	0.028	0	I				1.00
7.667	0.11	0.02	0.029	0	I				1.01
7.750	0.11	0.02	0.029	0	I				1.03
7.833	0.12	0.02	0.030	0	I				1.04
7.917	0.12	0.02	0.031	0	I				1.06
8.000	0.12	0.02	0.031	0	I				1.07
8.083	0.13	0.02	0.032	0	I				1.09
8.167	0.14	0.02	0.033	0	I				1.10
8.250	0.14	0.02	0.034	0	I				1.12
8.333	0.14	0.02	0.034	0	I				1.14
8.417	0.14	0.02	0.035	0	I				1.16
8.500	0.14	0.02	0.036	0	I				1.18
8.583	0.14	0.02	0.037	0	I				1.20
8.667	0.15	0.02	0.038	0	I				1.21
8.750	0.15	0.02	0.039	0	I				1.23
8.833	0.15	0.02	0.040	0	I				1.25
8.917	0.16	0.02	0.041	0	I				1.27
9.000	0.16	0.02	0.042	0	I				1.29
9.083	0.17	0.02	0.043	0	I				1.32
9.167	0.17	0.02	0.044	0	I				1.34
9.250	0.17	0.02	0.045	0	I				1.36
9.333	0.18	0.02	0.046	0	I				1.39
9.417	0.18	0.02	0.047	0	I				1.41
9.500	0.18	0.02	0.048	0	I				1.44
9.583	0.19	0.02	0.049	0	I				1.46
9.667	0.19	0.02	0.050	0	I				1.49
9.750	0.19	0.02	0.052	0	I				1.51
9.833	0.20	0.02	0.053	0	I				1.54
9.917	0.20	0.02	0.054	0	I				1.57
10.000	0.20	0.02	0.055	0	I				1.59
10.083	0.16	0.02	0.056	0	I				1.62
10.167	0.14	0.02	0.057	0	I				1.64
10.250	0.14	0.02	0.058	0	I				1.65
10.333	0.14	0.02	0.059	0	I				1.67

10.417	0.14	0.02	0.060	0	I			1.69
10.500	0.14	0.02	0.061	0	I			1.71
10.583	0.17	0.02	0.061	0		I		1.73
10.667	0.18	0.02	0.062	0		I		1.75
10.750	0.18	0.02	0.064	0		I		1.77
10.833	0.18	0.02	0.065	0		I		1.80
10.917	0.18	0.02	0.066	0		I		1.82
11.000	0.18	0.02	0.067	0		I		1.85
11.083	0.18	0.02	0.068	0		I		1.87
11.167	0.17	0.02	0.069	0		I		1.89
11.250	0.17	0.02	0.070	0		I		1.92
11.333	0.17	0.02	0.071	0		I		1.94
11.417	0.17	0.02	0.072	0		I		1.96
11.500	0.17	0.02	0.073	0		I		1.99
11.583	0.16	0.02	0.074	0	I			2.01
11.667	0.16	0.02	0.075	0	I			2.03
11.750	0.16	0.02	0.076	0	I			2.04
11.833	0.16	0.02	0.077	0	I			2.06
11.917	0.16	0.02	0.078	0	I			2.08
12.000	0.17	0.02	0.079	0	I			2.10
12.083	0.20	0.02	0.080	0		I		2.12
12.167	0.23	0.02	0.082	0			I	2.15
12.250	0.23	0.02	0.083	0			I	2.18
12.333	0.23	0.02	0.084	0			I	2.21
12.417	0.24	0.02	0.086	0			I	2.24
12.500	0.24	0.02	0.087	0			I	2.27
12.583	0.25	0.02	0.089	0			I	2.30
12.667	0.26	0.02	0.091	0			I	2.33
12.750	0.26	0.02	0.092	0			I	2.36
12.833	0.26	0.02	0.094	0			I	2.39
12.917	0.27	0.02	0.096	0			I	2.43
13.000	0.27	0.02	0.097	0			I	2.46
13.083	0.29	0.02	0.099	0			I	2.50
13.167	0.31	0.02	0.101	0			I	2.53
13.250	0.31	0.02	0.103	0			I	2.57
13.333	0.31	0.02	0.105	0			I	2.61
13.417	0.31	0.02	0.107	0			I	2.65
13.500	0.31	0.02	0.109	0			I	2.69
13.583	0.25	0.02	0.111	0			I	2.73
13.667	0.21	0.02	0.112	0		I		2.76
13.750	0.21	0.03	0.114	0		I		2.78
13.833	0.21	0.03	0.115	0		I		2.80
13.917	0.21	0.04	0.116	0		I		2.82
14.000	0.21	0.04	0.117	0		I		2.85
14.083	0.23	0.04	0.119	0		I		2.87
14.167	0.25	0.04	0.120	0			I	2.90
14.250	0.25	0.04	0.121	0			I	2.93
14.333	0.24	0.05	0.123	0			I	2.96
14.417	0.24	0.05	0.124	0			I	2.98
14.500	0.24	0.05	0.125	0			I	3.01

14.583	0.24	0.05	0.127	0		I	3.04
14.667	0.24	0.05	0.128	0		I	3.07
14.750	0.24	0.05	0.129	0		I	3.09
14.833	0.23	0.05	0.131	0		I	3.12
14.917	0.23	0.06	0.132	0		I	3.15
15.000	0.23	0.06	0.133	0		I	3.18
15.083	0.22	0.06	0.134	0		I	3.20
15.167	0.22	0.06	0.135	0		I	3.23
15.250	0.22	0.06	0.136	0		I	3.25
15.333	0.21	0.06	0.137	0		I	3.28
15.417	0.21	0.06	0.138	0		I	3.30
15.500	0.21	0.06	0.140	0		I	3.32
15.583	0.19	0.06	0.140	0		I	3.34
15.667	0.18	0.06	0.141	0		I	3.36
15.750	0.17	0.06	0.142	0		I	3.38
15.833	0.17	0.06	0.143	0		I	3.40
15.917	0.17	0.06	0.144	0		I	3.41
16.000	0.17	0.06	0.144	0		I	3.43
16.083	0.09	0.06	0.145	0	I		3.44
16.167	0.04	0.06	0.145	I	0		3.44
16.250	0.04	0.06	0.145	I	0		3.44
16.333	0.04	0.06	0.145	I	0		3.43
16.417	0.04	0.06	0.144	I	0		3.43
16.500	0.04	0.06	0.144	I	0		3.43
16.583	0.03	0.06	0.144	I	0		3.42
16.667	0.03	0.06	0.144	I	0		3.42
16.750	0.03	0.06	0.143	I	0		3.41
16.833	0.03	0.06	0.143	I	0		3.41
16.917	0.03	0.06	0.143	I	0		3.40
17.000	0.03	0.06	0.143	I	0		3.39
17.083	0.04	0.06	0.143	I	0		3.39
17.167	0.05	0.06	0.142	I	0		3.39
17.250	0.05	0.06	0.142	I	0		3.38
17.333	0.05	0.06	0.142	I	0		3.38
17.417	0.05	0.06	0.142	I	0		3.38
17.500	0.05	0.06	0.142	I	0		3.38
17.583	0.05	0.06	0.142	I	0		3.37
17.667	0.05	0.06	0.142	I	0		3.37
17.750	0.05	0.06	0.142	I	0		3.37
17.833	0.04	0.06	0.142	I	0		3.37
17.917	0.04	0.06	0.141	I	0		3.36
18.000	0.04	0.06	0.141	I	0		3.36
18.083	0.04	0.06	0.141	I	0		3.36
18.167	0.04	0.06	0.141	I	0		3.35
18.250	0.04	0.06	0.141	I	0		3.35
18.333	0.04	0.06	0.141	I	0		3.34
18.417	0.04	0.06	0.140	I	0		3.34
18.500	0.04	0.06	0.140	I	0		3.34
18.583	0.03	0.06	0.140	I	0		3.33
18.667	0.03	0.06	0.140	I	0		3.33

18.750	0.03	0.06	0.140	I	0					3.32
18.833	0.02	0.06	0.139	I	0					3.32
18.917	0.02	0.06	0.139	I	0					3.31
19.000	0.02	0.06	0.139	I	0					3.31
19.083	0.02	0.06	0.138	I	0					3.30
19.167	0.03	0.06	0.138	I	0					3.29
19.250	0.03	0.06	0.138	I	0					3.29
19.333	0.03	0.06	0.138	I	0					3.28
19.417	0.04	0.06	0.138	I	0					3.28
19.500	0.04	0.06	0.137	I	0					3.28
19.583	0.03	0.06	0.137	I	0					3.27
19.667	0.03	0.06	0.137	I	0					3.27
19.750	0.03	0.06	0.137	I	0					3.26
19.833	0.02	0.06	0.137	I	0					3.26
19.917	0.02	0.06	0.136	I	0					3.25
20.000	0.02	0.06	0.136	I	0					3.25
20.083	0.02	0.06	0.136	I	0					3.24
20.167	0.03	0.06	0.136	I	0					3.24
20.250	0.03	0.06	0.135	I	0					3.23
20.333	0.03	0.06	0.135	I	0					3.23
20.417	0.03	0.06	0.135	I	0					3.22
20.500	0.03	0.06	0.135	I	0					3.22
20.583	0.03	0.06	0.135	I	0					3.21
20.667	0.03	0.06	0.134	I	0					3.21
20.750	0.03	0.06	0.134	I	0					3.20
20.833	0.02	0.06	0.134	I	0					3.20
20.917	0.02	0.06	0.134	I	0					3.19
21.000	0.02	0.06	0.133	I	0					3.19
21.083	0.02	0.06	0.133	I	0					3.18
21.167	0.03	0.06	0.133	I	0					3.18
21.250	0.03	0.06	0.133	I	0					3.17
21.333	0.02	0.06	0.133	I	0					3.17
21.417	0.02	0.06	0.132	I	0					3.16
21.500	0.02	0.06	0.132	I	0					3.16
21.583	0.02	0.06	0.132	I	0					3.15
21.667	0.03	0.06	0.132	I	0					3.15
21.750	0.03	0.06	0.131	I	0					3.14
21.833	0.02	0.06	0.131	I	0					3.14
21.917	0.02	0.05	0.131	I	0					3.13
22.000	0.02	0.05	0.131	I	0					3.13
22.083	0.02	0.05	0.131	I	0					3.12
22.167	0.03	0.05	0.130	I	0					3.12
22.250	0.03	0.05	0.130	I	0					3.11
22.333	0.02	0.05	0.130	I	0					3.11
22.417	0.02	0.05	0.130	I	0					3.10
22.500	0.02	0.05	0.129	I	0					3.10
22.583	0.02	0.05	0.129	I	0					3.09
22.667	0.02	0.05	0.129	I	0					3.09
22.750	0.02	0.05	0.129	I	0					3.08
22.833	0.02	0.05	0.129	I	0					3.08

22.917	0.02	0.05	0.128	I	0					3.07
23.000	0.02	0.05	0.128	I	0					3.07
23.083	0.02	0.05	0.128	I	0					3.06
23.167	0.02	0.05	0.128	I	0					3.06
23.250	0.02	0.05	0.127	I	0					3.05
23.333	0.02	0.05	0.127	I	0					3.05
23.417	0.02	0.05	0.127	I	0					3.04
23.500	0.02	0.05	0.127	I	0					3.04
23.583	0.02	0.05	0.126	I	0					3.03
23.667	0.02	0.05	0.126	I	0					3.03
23.750	0.02	0.05	0.126	I	0					3.02
23.833	0.02	0.05	0.126	I	0					3.02
23.917	0.02	0.05	0.125	I	0					3.01
24.000	0.02	0.05	0.125	I	0					3.01
24.083	0.01	0.05	0.125	I	0					3.00
24.167	0.00	0.05	0.125	I	0					2.99
24.250	0.00	0.05	0.124	I	0					2.99
24.333	0.00	0.05	0.124	I	0					2.98
24.417	0.00	0.05	0.124	I	0					2.97
24.500	0.00	0.05	0.123	I	0					2.97
24.583	0.00	0.05	0.123	I	0					2.96
24.667	0.00	0.05	0.123	I	0					2.95
24.750	0.00	0.05	0.122	I	0					2.95
24.833	0.00	0.05	0.122	I	0					2.94
24.917	0.00	0.05	0.122	I	0					2.93
25.000	0.00	0.04	0.121	I	0					2.93
25.083	0.00	0.04	0.121	I	0					2.92
25.167	0.00	0.04	0.121	I	0					2.92
25.250	0.00	0.04	0.120	I	0					2.91
25.333	0.00	0.04	0.120	I	0					2.90
25.417	0.00	0.04	0.120	I	0					2.90
25.500	0.00	0.04	0.120	I	0					2.89
25.583	0.00	0.04	0.119	I	0					2.89
25.667	0.00	0.04	0.119	I	0					2.88
25.750	0.00	0.04	0.119	I	0					2.87
25.833	0.00	0.04	0.118	I	0					2.87
25.917	0.00	0.04	0.118	I	0					2.86
26.000	0.00	0.04	0.118	I	0					2.86
26.083	0.00	0.04	0.118	I	0					2.85
26.167	0.00	0.04	0.117	I	0					2.85
26.250	0.00	0.04	0.117	I	0					2.84
26.333	0.00	0.04	0.117	I	0					2.84
26.417	0.00	0.04	0.117	I	0					2.83
26.500	0.00	0.04	0.116	I	0					2.83
26.583	0.00	0.04	0.116	I	0					2.82
26.667	0.00	0.04	0.116	I	0					2.82
26.750	0.00	0.04	0.116	I	0					2.81
26.833	0.00	0.03	0.115	I	0					2.81
26.917	0.00	0.03	0.115	I	0					2.80
27.000	0.00	0.03	0.115	I	0					2.80

27.083	0.00	0.03	0.115	I	0					2.79
27.167	0.00	0.03	0.114	I	0					2.79
27.250	0.00	0.03	0.114	I	0					2.79
27.333	0.00	0.03	0.114	I	0					2.78
27.417	0.00	0.03	0.114	I	0					2.78
27.500	0.00	0.03	0.114	I	0					2.78
27.583	0.00	0.03	0.114	I	0					2.78
27.667	0.00	0.02	0.113	I	0					2.77
27.750	0.00	0.02	0.113	I	0					2.77
27.833	0.00	0.02	0.113	I	0					2.77
27.917	0.00	0.02	0.113	I	0					2.76
28.000	0.00	0.02	0.113	I	0					2.76
28.083	0.00	0.02	0.113	I	0					2.76
28.167	0.00	0.02	0.112	IO						2.76
28.250	0.00	0.02	0.112	IO						2.76
28.333	0.00	0.02	0.112	IO						2.75
28.417	0.00	0.02	0.112	IO						2.75
28.500	0.00	0.02	0.112	IO						2.75
28.583	0.00	0.02	0.112	IO						2.75
28.667	0.00	0.02	0.112	IO						2.75
28.750	0.00	0.02	0.112	IO						2.74
28.833	0.00	0.02	0.112	IO						2.74
28.917	0.00	0.02	0.111	IO						2.74
29.000	0.00	0.02	0.111	IO						2.74
29.083	0.00	0.02	0.111	IO						2.73
29.167	0.00	0.02	0.111	IO						2.73
29.250	0.00	0.02	0.111	IO						2.73
29.333	0.00	0.02	0.111	IO						2.73
29.417	0.00	0.02	0.111	IO						2.73
29.500	0.00	0.02	0.111	IO						2.72
29.583	0.00	0.02	0.111	IO						2.72
29.667	0.00	0.02	0.110	IO						2.72
29.750	0.00	0.02	0.110	IO						2.72
29.833	0.00	0.02	0.110	IO						2.71
29.917	0.00	0.02	0.110	IO						2.71
30.000	0.00	0.02	0.110	IO						2.71
30.083	0.00	0.02	0.110	IO						2.71
30.167	0.00	0.02	0.110	IO						2.71
30.250	0.00	0.02	0.110	IO						2.70
30.333	0.00	0.02	0.110	IO						2.70
30.417	0.00	0.02	0.109	IO						2.70
30.500	0.00	0.02	0.109	IO						2.70
30.583	0.00	0.02	0.109	IO						2.69
30.667	0.00	0.02	0.109	IO						2.69
30.750	0.00	0.02	0.109	IO						2.69
30.833	0.00	0.02	0.109	IO						2.69
30.917	0.00	0.02	0.109	IO						2.69
31.000	0.00	0.02	0.109	IO						2.68
31.083	0.00	0.02	0.109	IO						2.68
31.167	0.00	0.02	0.108	IO						2.68

31.250	0.00	0.02	0.108	IO					2.68
31.333	0.00	0.02	0.108	IO					2.67
31.417	0.00	0.02	0.108	IO					2.67
31.500	0.00	0.02	0.108	IO					2.67
31.583	0.00	0.02	0.108	IO					2.67
31.667	0.00	0.02	0.108	IO					2.67
31.750	0.00	0.02	0.108	IO					2.66
31.833	0.00	0.02	0.107	IO					2.66
31.917	0.00	0.02	0.107	IO					2.66
32.000	0.00	0.02	0.107	IO					2.66
32.083	0.00	0.02	0.107	IO					2.65
32.167	0.00	0.02	0.107	IO					2.65
32.250	0.00	0.02	0.107	IO					2.65
32.333	0.00	0.02	0.107	IO					2.65
32.417	0.00	0.02	0.107	IO					2.64
32.500	0.00	0.02	0.107	IO					2.64
32.583	0.00	0.02	0.106	IO					2.64
32.667	0.00	0.02	0.106	IO					2.64
32.750	0.00	0.02	0.106	IO					2.64
32.833	0.00	0.02	0.106	IO					2.63
32.917	0.00	0.02	0.106	IO					2.63
33.000	0.00	0.02	0.106	IO					2.63
33.083	0.00	0.02	0.106	IO					2.63
33.167	0.00	0.02	0.106	IO					2.62
33.250	0.00	0.02	0.106	IO					2.62
33.333	0.00	0.02	0.105	IO					2.62
33.417	0.00	0.02	0.105	IO					2.62
33.500	0.00	0.02	0.105	IO					2.61
33.583	0.00	0.02	0.105	IO					2.61
33.667	0.00	0.02	0.105	IO					2.61
33.750	0.00	0.02	0.105	IO					2.61
33.833	0.00	0.02	0.105	IO					2.61
33.917	0.00	0.02	0.105	IO					2.60
34.000	0.00	0.02	0.104	IO					2.60
34.083	0.00	0.02	0.104	IO					2.60
34.167	0.00	0.02	0.104	IO					2.60
34.250	0.00	0.02	0.104	IO					2.59
34.333	0.00	0.02	0.104	IO					2.59
34.417	0.00	0.02	0.104	IO					2.59
34.500	0.00	0.02	0.104	IO					2.59
34.583	0.00	0.02	0.104	IO					2.58
34.667	0.00	0.02	0.103	IO					2.58
34.750	0.00	0.02	0.103	IO					2.58
34.833	0.00	0.02	0.103	IO					2.58
34.917	0.00	0.02	0.103	IO					2.58
35.000	0.00	0.02	0.103	IO					2.57
35.083	0.00	0.02	0.103	IO					2.57
35.167	0.00	0.02	0.103	IO					2.57
35.250	0.00	0.02	0.103	IO					2.57
35.333	0.00	0.02	0.103	IO					2.56

35.417	0.00	0.02	0.102	IO					2.56
35.500	0.00	0.02	0.102	IO					2.56
35.583	0.00	0.02	0.102	IO					2.56
35.667	0.00	0.02	0.102	IO					2.55
35.750	0.00	0.02	0.102	IO					2.55
35.833	0.00	0.02	0.102	IO					2.55
35.917	0.00	0.02	0.102	IO					2.55
36.000	0.00	0.02	0.102	IO					2.54
36.083	0.00	0.02	0.101	IO					2.54
36.167	0.00	0.02	0.101	IO					2.54
36.250	0.00	0.02	0.101	IO					2.54
36.333	0.00	0.02	0.101	IO					2.53
36.417	0.00	0.02	0.101	IO					2.53
36.500	0.00	0.02	0.101	IO					2.53
36.583	0.00	0.02	0.101	IO					2.53
36.667	0.00	0.02	0.101	IO					2.52
36.750	0.00	0.02	0.100	IO					2.52
36.833	0.00	0.02	0.100	IO					2.52
36.917	0.00	0.02	0.100	IO					2.52
37.000	0.00	0.02	0.100	IO					2.52
37.083	0.00	0.02	0.100	IO					2.51
37.167	0.00	0.02	0.100	IO					2.51
37.250	0.00	0.02	0.100	IO					2.51
37.333	0.00	0.02	0.100	IO					2.51
37.417	0.00	0.02	0.099	IO					2.50
37.500	0.00	0.02	0.099	IO					2.50
37.583	0.00	0.02	0.099	IO					2.50
37.667	0.00	0.02	0.099	IO					2.50
37.750	0.00	0.02	0.099	IO					2.49
37.833	0.00	0.02	0.099	IO					2.49
37.917	0.00	0.02	0.099	IO					2.49
38.000	0.00	0.02	0.099	IO					2.49
38.083	0.00	0.02	0.098	IO					2.48
38.167	0.00	0.02	0.098	IO					2.48
38.250	0.00	0.02	0.098	IO					2.48
38.333	0.00	0.02	0.098	IO					2.48
38.417	0.00	0.02	0.098	IO					2.47
38.500	0.00	0.02	0.098	IO					2.47
38.583	0.00	0.02	0.098	IO					2.47
38.667	0.00	0.02	0.098	IO					2.47
38.750	0.00	0.02	0.097	IO					2.46
38.833	0.00	0.02	0.097	IO					2.46
38.917	0.00	0.02	0.097	IO					2.46
39.000	0.00	0.02	0.097	IO					2.46
39.083	0.00	0.02	0.097	IO					2.45
39.167	0.00	0.02	0.097	IO					2.45
39.250	0.00	0.02	0.097	IO					2.45
39.333	0.00	0.02	0.097	IO					2.45
39.417	0.00	0.02	0.096	IO					2.44
39.500	0.00	0.02	0.096	IO					2.44

39.583	0.00	0.02	0.096	IO					2.44
39.667	0.00	0.02	0.096	IO					2.44
39.750	0.00	0.02	0.096	IO					2.43
39.833	0.00	0.02	0.096	IO					2.43
39.917	0.00	0.02	0.096	IO					2.43
40.000	0.00	0.02	0.096	IO					2.43
40.083	0.00	0.02	0.095	IO					2.42
40.167	0.00	0.02	0.095	IO					2.42
40.250	0.00	0.02	0.095	IO					2.42
40.333	0.00	0.02	0.095	IO					2.42
40.417	0.00	0.02	0.095	IO					2.41
40.500	0.00	0.02	0.095	IO					2.41
40.583	0.00	0.02	0.095	IO					2.41
40.667	0.00	0.02	0.095	IO					2.41
40.750	0.00	0.02	0.094	IO					2.40
40.833	0.00	0.02	0.094	IO					2.40
40.917	0.00	0.02	0.094	IO					2.40
41.000	0.00	0.02	0.094	IO					2.40
41.083	0.00	0.02	0.094	IO					2.39
41.167	0.00	0.02	0.094	IO					2.39
41.250	0.00	0.02	0.094	IO					2.39
41.333	0.00	0.02	0.094	IO					2.39
41.417	0.00	0.02	0.093	IO					2.38
41.500	0.00	0.02	0.093	IO					2.38
41.583	0.00	0.02	0.093	IO					2.38
41.667	0.00	0.02	0.093	IO					2.37
41.750	0.00	0.02	0.093	IO					2.37
41.833	0.00	0.02	0.093	IO					2.37
41.917	0.00	0.02	0.093	IO					2.37
42.000	0.00	0.02	0.092	IO					2.36
42.083	0.00	0.02	0.092	IO					2.36
42.167	0.00	0.02	0.092	IO					2.36
42.250	0.00	0.02	0.092	IO					2.36
42.333	0.00	0.02	0.092	IO					2.35
42.417	0.00	0.02	0.092	IO					2.35
42.500	0.00	0.02	0.092	IO					2.35
42.583	0.00	0.02	0.092	IO					2.35
42.667	0.00	0.02	0.091	IO					2.34
42.750	0.00	0.02	0.091	IO					2.34
42.833	0.00	0.02	0.091	IO					2.34
42.917	0.00	0.02	0.091	IO					2.34
43.000	0.00	0.02	0.091	IO					2.33
43.083	0.00	0.02	0.091	IO					2.33
43.167	0.00	0.02	0.091	IO					2.33
43.250	0.00	0.02	0.090	IO					2.33
43.333	0.00	0.02	0.090	IO					2.32
43.417	0.00	0.02	0.090	IO					2.32
43.500	0.00	0.02	0.090	IO					2.32
43.583	0.00	0.02	0.090	I 0					2.31
43.667	0.00	0.02	0.090	I 0					2.31

43.750	0.00	0.02	0.090	I 0					2.31
43.833	0.00	0.02	0.090	I 0					2.31
43.917	0.00	0.02	0.089	I 0					2.30
44.000	0.00	0.02	0.089	I 0					2.30
44.083	0.00	0.02	0.089	I 0					2.30
44.167	0.00	0.02	0.089	I 0					2.30
44.250	0.00	0.02	0.089	I 0					2.29
44.333	0.00	0.02	0.089	I 0					2.29
44.417	0.00	0.02	0.089	I 0					2.29
44.500	0.00	0.02	0.088	I 0					2.29
44.583	0.00	0.02	0.088	I 0					2.28
44.667	0.00	0.02	0.088	I 0					2.28
44.750	0.00	0.02	0.088	I 0					2.28
44.833	0.00	0.02	0.088	I 0					2.27
44.917	0.00	0.02	0.088	I 0					2.27
45.000	0.00	0.02	0.088	I 0					2.27
45.083	0.00	0.02	0.088	I 0					2.27
45.167	0.00	0.02	0.087	I 0					2.26
45.250	0.00	0.02	0.087	I 0					2.26
45.333	0.00	0.02	0.087	I 0					2.26
45.417	0.00	0.02	0.087	I 0					2.26
45.500	0.00	0.02	0.087	I 0					2.25
45.583	0.00	0.02	0.087	I 0					2.25
45.667	0.00	0.02	0.087	I 0					2.25
45.750	0.00	0.02	0.086	I 0					2.24
45.833	0.00	0.02	0.086	I 0					2.24
45.917	0.00	0.02	0.086	I 0					2.24
46.000	0.00	0.02	0.086	I 0					2.24
46.083	0.00	0.02	0.086	I 0					2.23
46.167	0.00	0.02	0.086	I 0					2.23
46.250	0.00	0.02	0.086	I 0					2.23
46.333	0.00	0.02	0.085	I 0					2.23
46.417	0.00	0.02	0.085	I 0					2.22
46.500	0.00	0.02	0.085	I 0					2.22
46.583	0.00	0.02	0.085	I 0					2.22
46.667	0.00	0.02	0.085	I 0					2.21
46.750	0.00	0.02	0.085	I 0					2.21
46.833	0.00	0.02	0.085	I 0					2.21
46.917	0.00	0.02	0.084	I 0					2.21
47.000	0.00	0.02	0.084	I 0					2.20
47.083	0.00	0.02	0.084	I 0					2.20
47.167	0.00	0.02	0.084	I 0					2.20
47.250	0.00	0.02	0.084	I 0					2.20
47.333	0.00	0.02	0.084	I 0					2.19
47.417	0.00	0.02	0.084	I 0					2.19
47.500	0.00	0.02	0.083	I 0					2.19
47.583	0.00	0.02	0.083	I 0					2.18
47.667	0.00	0.02	0.083	I 0					2.18
47.750	0.00	0.02	0.083	I 0					2.18
47.833	0.00	0.02	0.083	I 0					2.18

47.917	0.00	0.02	0.083	I 0					2.17
48.000	0.00	0.02	0.083	I 0					2.17
48.083	0.00	0.02	0.082	I 0					2.17
48.167	0.00	0.02	0.082	I 0					2.16
48.250	0.00	0.02	0.082	I 0					2.16
48.333	0.00	0.02	0.082	I 0					2.16
48.417	0.00	0.02	0.082	I 0					2.16
48.500	0.00	0.02	0.082	I 0					2.15
48.583	0.00	0.02	0.082	I 0					2.15
48.667	0.00	0.02	0.081	I 0					2.15
48.750	0.00	0.02	0.081	I 0					2.14
48.833	0.00	0.02	0.081	I 0					2.14
48.917	0.00	0.02	0.081	I 0					2.14
49.000	0.00	0.02	0.081	I 0					2.14
49.083	0.00	0.02	0.081	I 0					2.13
49.167	0.00	0.02	0.081	I 0					2.13
49.250	0.00	0.02	0.080	I 0					2.13
49.333	0.00	0.02	0.080	I 0					2.12
49.417	0.00	0.02	0.080	I 0					2.12
49.500	0.00	0.02	0.080	I 0					2.12
49.583	0.00	0.02	0.080	I 0					2.12
49.667	0.00	0.02	0.080	I 0					2.11
49.750	0.00	0.02	0.080	I 0					2.11
49.833	0.00	0.02	0.079	I 0					2.11
49.917	0.00	0.02	0.079	I 0					2.10
50.000	0.00	0.02	0.079	I 0					2.10
50.083	0.00	0.02	0.079	I 0					2.10
50.167	0.00	0.02	0.079	I 0					2.10
50.250	0.00	0.02	0.079	I 0					2.09
50.333	0.00	0.02	0.079	I 0					2.09
50.417	0.00	0.02	0.078	I 0					2.09
50.500	0.00	0.02	0.078	I 0					2.08
50.583	0.00	0.02	0.078	I 0					2.08
50.667	0.00	0.02	0.078	I 0					2.08
50.750	0.00	0.02	0.078	I 0					2.08
50.833	0.00	0.02	0.078	I 0					2.07
50.917	0.00	0.02	0.078	I 0					2.07
51.000	0.00	0.02	0.077	I 0					2.07
51.083	0.00	0.02	0.077	I 0					2.06
51.167	0.00	0.02	0.077	I 0					2.06
51.250	0.00	0.02	0.077	I 0					2.06
51.333	0.00	0.02	0.077	I 0					2.06
51.417	0.00	0.02	0.077	I 0					2.05
51.500	0.00	0.02	0.077	I 0					2.05
51.583	0.00	0.02	0.076	I 0					2.05
51.667	0.00	0.02	0.076	I 0					2.04
51.750	0.00	0.02	0.076	I 0					2.04
51.833	0.00	0.02	0.076	I 0					2.04
51.917	0.00	0.02	0.076	I 0					2.03
52.000	0.00	0.02	0.076	I 0					2.03

52.083	0.00	0.02	0.075	I 0					2.03
52.167	0.00	0.02	0.075	I 0					2.03
52.250	0.00	0.02	0.075	I 0					2.02
52.333	0.00	0.02	0.075	I 0					2.02
52.417	0.00	0.02	0.075	I 0					2.02
52.500	0.00	0.02	0.075	I 0					2.01
52.583	0.00	0.02	0.075	I 0					2.01
52.667	0.00	0.02	0.074	I 0					2.01
52.750	0.00	0.02	0.074	I 0					2.01
52.833	0.00	0.02	0.074	I 0					2.00
52.917	0.00	0.02	0.074	I 0					2.00
53.000	0.00	0.02	0.074	I 0					2.00
53.083	0.00	0.02	0.074	I 0					1.99
53.167	0.00	0.02	0.074	I 0					1.99
53.250	0.00	0.02	0.073	I 0					1.99
53.333	0.00	0.02	0.073	I 0					1.98
53.417	0.00	0.02	0.073	I 0					1.98
53.500	0.00	0.02	0.073	I 0					1.98
53.583	0.00	0.02	0.073	I 0					1.97
53.667	0.00	0.02	0.073	I 0					1.97
53.750	0.00	0.02	0.072	I 0					1.97
53.833	0.00	0.02	0.072	I 0					1.96
53.917	0.00	0.02	0.072	I 0					1.96
54.000	0.00	0.02	0.072	I 0					1.96
54.083	0.00	0.02	0.072	I 0					1.95
54.167	0.00	0.02	0.072	I 0					1.95
54.250	0.00	0.02	0.072	I 0					1.95
54.333	0.00	0.02	0.071	I 0					1.94
54.417	0.00	0.02	0.071	I 0					1.94
54.500	0.00	0.02	0.071	I 0					1.94
54.583	0.00	0.02	0.071	I 0					1.93
54.667	0.00	0.02	0.071	I 0					1.93
54.750	0.00	0.02	0.071	I 0					1.93
54.833	0.00	0.02	0.071	I 0					1.92
54.917	0.00	0.02	0.070	I 0					1.92
55.000	0.00	0.02	0.070	I 0					1.92
55.083	0.00	0.02	0.070	I 0					1.91
55.167	0.00	0.02	0.070	I 0					1.91
55.250	0.00	0.02	0.070	I 0					1.91
55.333	0.00	0.02	0.070	I 0					1.90
55.417	0.00	0.02	0.069	I 0					1.90
55.500	0.00	0.02	0.069	I 0					1.90
55.583	0.00	0.02	0.069	I 0					1.90
55.667	0.00	0.02	0.069	I 0					1.89
55.750	0.00	0.02	0.069	I 0					1.89
55.833	0.00	0.02	0.069	I 0					1.89
55.917	0.00	0.02	0.069	I 0					1.88
56.000	0.00	0.02	0.068	I 0					1.88
56.083	0.00	0.02	0.068	I 0					1.88
56.167	0.00	0.02	0.068	I 0					1.87

56.250	0.00	0.02	0.068	I 0					1.87
56.333	0.00	0.02	0.068	I 0					1.87
56.417	0.00	0.02	0.068	I 0					1.86
56.500	0.00	0.02	0.068	I 0					1.86
56.583	0.00	0.02	0.067	I 0					1.86
56.667	0.00	0.02	0.067	I 0					1.85
56.750	0.00	0.02	0.067	I 0					1.85
56.833	0.00	0.02	0.067	I 0					1.85
56.917	0.00	0.02	0.067	I 0					1.84
57.000	0.00	0.02	0.067	I 0					1.84
57.083	0.00	0.02	0.067	I 0					1.84
57.167	0.00	0.02	0.066	I 0					1.84
57.250	0.00	0.02	0.066	I 0					1.83
57.333	0.00	0.02	0.066	I 0					1.83
57.417	0.00	0.02	0.066	I 0					1.83
57.500	0.00	0.02	0.066	I 0					1.82
57.583	0.00	0.02	0.066	I 0					1.82
57.667	0.00	0.02	0.066	I 0					1.82
57.750	0.00	0.02	0.065	I 0					1.81
57.833	0.00	0.02	0.065	I 0					1.81
57.917	0.00	0.02	0.065	I 0					1.81
58.000	0.00	0.02	0.065	I 0					1.80
58.083	0.00	0.02	0.065	I 0					1.80
58.167	0.00	0.02	0.065	I 0					1.80
58.250	0.00	0.02	0.065	I 0					1.79
58.333	0.00	0.02	0.064	I 0					1.79
58.417	0.00	0.02	0.064	I 0					1.79
58.500	0.00	0.02	0.064	I 0					1.79
58.583	0.00	0.02	0.064	I 0					1.78
58.667	0.00	0.02	0.064	I 0					1.78
58.750	0.00	0.02	0.064	I 0					1.78
58.833	0.00	0.02	0.064	I 0					1.77
58.917	0.00	0.02	0.063	I 0					1.77
59.000	0.00	0.02	0.063	I 0					1.77
59.083	0.00	0.02	0.063	I 0					1.76
59.167	0.00	0.02	0.063	I 0					1.76
59.250	0.00	0.02	0.063	I 0					1.76
59.333	0.00	0.02	0.063	I 0					1.75
59.417	0.00	0.02	0.063	I 0					1.75
59.500	0.00	0.02	0.062	I 0					1.75
59.583	0.00	0.02	0.062	I 0					1.74
59.667	0.00	0.02	0.062	I 0					1.74
59.750	0.00	0.02	0.062	I 0					1.74
59.833	0.00	0.02	0.062	I 0					1.74
59.917	0.00	0.02	0.062	I 0					1.73
60.000	0.00	0.02	0.062	I 0					1.73
60.083	0.00	0.02	0.061	I 0					1.73
60.167	0.00	0.02	0.061	I 0					1.72
60.250	0.00	0.02	0.061	I 0					1.72
60.333	0.00	0.02	0.061	I 0					1.72

60.417	0.00	0.02	0.061	I 0					1.71
60.500	0.00	0.02	0.061	I 0					1.71
60.583	0.00	0.02	0.061	I 0					1.71
60.667	0.00	0.02	0.060	I 0					1.71
60.750	0.00	0.02	0.060	I 0					1.70
60.833	0.00	0.02	0.060	I 0					1.70
60.917	0.00	0.02	0.060	I 0					1.70
61.000	0.00	0.02	0.060	I 0					1.69
61.083	0.00	0.02	0.060	I 0					1.69
61.167	0.00	0.02	0.060	I 0					1.69
61.250	0.00	0.02	0.059	I 0					1.68
61.333	0.00	0.02	0.059	I 0					1.68
61.417	0.00	0.02	0.059	I 0					1.68
61.500	0.00	0.02	0.059	I 0					1.68
61.583	0.00	0.02	0.059	I 0					1.67
61.667	0.00	0.02	0.059	I 0					1.67
61.750	0.00	0.02	0.059	I 0					1.67
61.833	0.00	0.02	0.059	I 0					1.66
61.917	0.00	0.02	0.058	I 0					1.66
62.000	0.00	0.02	0.058	I 0					1.66
62.083	0.00	0.02	0.058	I 0					1.65
62.167	0.00	0.02	0.058	I 0					1.65
62.250	0.00	0.02	0.058	I 0					1.65
62.333	0.00	0.02	0.058	I 0					1.65
62.417	0.00	0.02	0.058	I 0					1.64
62.500	0.00	0.02	0.057	I 0					1.64
62.583	0.00	0.02	0.057	I 0					1.64
62.667	0.00	0.02	0.057	I 0					1.63
62.750	0.00	0.02	0.057	I 0					1.63
62.833	0.00	0.02	0.057	I 0					1.63
62.917	0.00	0.02	0.057	I 0					1.62
63.000	0.00	0.02	0.057	I 0					1.62
63.083	0.00	0.02	0.056	I 0					1.62
63.167	0.00	0.02	0.056	I 0					1.62
63.250	0.00	0.02	0.056	I 0					1.61
63.333	0.00	0.02	0.056	I 0					1.61
63.417	0.00	0.02	0.056	I 0					1.61
63.500	0.00	0.02	0.056	I 0					1.60
63.583	0.00	0.02	0.056	I 0					1.60
63.667	0.00	0.02	0.056	I 0					1.60
63.750	0.00	0.02	0.055	I 0					1.60
63.833	0.00	0.02	0.055	I 0					1.59
63.917	0.00	0.02	0.055	I 0					1.59
64.000	0.00	0.02	0.055	I 0					1.59
64.083	0.00	0.02	0.055	I 0					1.58
64.167	0.00	0.02	0.055	I 0					1.58
64.250	0.00	0.02	0.055	IO					1.58
64.333	0.00	0.02	0.054	IO					1.57
64.417	0.00	0.02	0.054	IO					1.57
64.500	0.00	0.02	0.054	IO					1.57

64.583	0.00	0.02	0.054	IO					1.57
64.667	0.00	0.02	0.054	IO					1.56
64.750	0.00	0.02	0.054	IO					1.56
64.833	0.00	0.02	0.054	IO					1.56
64.917	0.00	0.02	0.054	IO					1.55
65.000	0.00	0.02	0.053	IO					1.55
65.083	0.00	0.02	0.053	IO					1.55
65.167	0.00	0.02	0.053	IO					1.55
65.250	0.00	0.02	0.053	IO					1.54
65.333	0.00	0.02	0.053	IO					1.54
65.417	0.00	0.02	0.053	IO					1.54
65.500	0.00	0.02	0.053	IO					1.53
65.583	0.00	0.02	0.052	IO					1.53
65.667	0.00	0.02	0.052	IO					1.53
65.750	0.00	0.02	0.052	IO					1.53
65.833	0.00	0.02	0.052	IO					1.52
65.917	0.00	0.02	0.052	IO					1.52
66.000	0.00	0.02	0.052	IO					1.52
66.083	0.00	0.02	0.052	IO					1.51
66.167	0.00	0.02	0.052	IO					1.51
66.250	0.00	0.02	0.051	IO					1.51
66.333	0.00	0.02	0.051	IO					1.51
66.417	0.00	0.02	0.051	IO					1.50
66.500	0.00	0.02	0.051	IO					1.50
66.583	0.00	0.02	0.051	IO					1.50
66.667	0.00	0.02	0.051	IO					1.49
66.750	0.00	0.02	0.051	IO					1.49
66.833	0.00	0.02	0.050	IO					1.49
66.917	0.00	0.02	0.050	IO					1.49
67.000	0.00	0.02	0.050	IO					1.48
67.083	0.00	0.02	0.050	IO					1.48
67.167	0.00	0.02	0.050	IO					1.48
67.250	0.00	0.02	0.050	IO					1.47
67.333	0.00	0.02	0.050	IO					1.47
67.417	0.00	0.02	0.050	IO					1.47
67.500	0.00	0.02	0.049	IO					1.47
67.583	0.00	0.02	0.049	IO					1.46
67.667	0.00	0.02	0.049	IO					1.46
67.750	0.00	0.02	0.049	IO					1.46
67.833	0.00	0.02	0.049	IO					1.45
67.917	0.00	0.02	0.049	IO					1.45
68.000	0.00	0.02	0.049	IO					1.45
68.083	0.00	0.02	0.049	IO					1.45
68.167	0.00	0.02	0.048	IO					1.44
68.250	0.00	0.02	0.048	IO					1.44
68.333	0.00	0.02	0.048	IO					1.44
68.417	0.00	0.02	0.048	IO					1.44
68.500	0.00	0.02	0.048	IO					1.43
68.583	0.00	0.02	0.048	IO					1.43
68.667	0.00	0.02	0.048	IO					1.43

68.750	0.00	0.02	0.048	IO					1.42
68.833	0.00	0.02	0.047	IO					1.42
68.917	0.00	0.02	0.047	IO					1.42
69.000	0.00	0.02	0.047	IO					1.42
69.083	0.00	0.02	0.047	IO					1.41
69.167	0.00	0.02	0.047	IO					1.41
69.250	0.00	0.02	0.047	IO					1.41
69.333	0.00	0.02	0.047	IO					1.40
69.417	0.00	0.02	0.046	IO					1.40
69.500	0.00	0.02	0.046	IO					1.40
69.583	0.00	0.02	0.046	IO					1.40
69.667	0.00	0.02	0.046	IO					1.39
69.750	0.00	0.02	0.046	IO					1.39
69.833	0.00	0.02	0.046	IO					1.39
69.917	0.00	0.02	0.046	IO					1.39
70.000	0.00	0.02	0.046	IO					1.38
70.083	0.00	0.02	0.045	IO					1.38
70.167	0.00	0.02	0.045	IO					1.38
70.250	0.00	0.02	0.045	IO					1.37
70.333	0.00	0.02	0.045	IO					1.37
70.417	0.00	0.02	0.045	IO					1.37
70.500	0.00	0.02	0.045	IO					1.37
70.583	0.00	0.02	0.045	IO					1.36
70.667	0.00	0.02	0.045	IO					1.36
70.750	0.00	0.02	0.044	IO					1.36
70.833	0.00	0.02	0.044	IO					1.36
70.917	0.00	0.02	0.044	IO					1.35
71.000	0.00	0.02	0.044	IO					1.35
71.083	0.00	0.02	0.044	IO					1.35
71.167	0.00	0.02	0.044	IO					1.34
71.250	0.00	0.02	0.044	IO					1.34
71.333	0.00	0.02	0.044	IO					1.34
71.417	0.00	0.02	0.043	IO					1.34
71.500	0.00	0.02	0.043	IO					1.33
71.583	0.00	0.02	0.043	IO					1.33
71.667	0.00	0.02	0.043	IO					1.33
71.750	0.00	0.02	0.043	IO					1.33
71.833	0.00	0.02	0.043	IO					1.32
71.917	0.00	0.02	0.043	IO					1.32
72.000	0.00	0.02	0.043	IO					1.32
72.083	0.00	0.02	0.042	IO					1.31
72.167	0.00	0.02	0.042	IO					1.31
72.250	0.00	0.02	0.042	IO					1.31
72.333	0.00	0.02	0.042	IO					1.31
72.417	0.00	0.02	0.042	IO					1.30
72.500	0.00	0.02	0.042	IO					1.30
72.583	0.00	0.02	0.042	IO					1.30
72.667	0.00	0.02	0.042	IO					1.30
72.750	0.00	0.02	0.042	IO					1.29
72.833	0.00	0.02	0.041	IO					1.29

72.917	0.00	0.02	0.041	IO					1.29
73.000	0.00	0.02	0.041	IO					1.29
73.083	0.00	0.02	0.041	IO					1.28
73.167	0.00	0.02	0.041	IO					1.28
73.250	0.00	0.02	0.041	IO					1.28
73.333	0.00	0.02	0.041	IO					1.27
73.417	0.00	0.02	0.041	IO					1.27
73.500	0.00	0.02	0.040	IO					1.27
73.583	0.00	0.02	0.040	IO					1.27
73.667	0.00	0.02	0.040	IO					1.26
73.750	0.00	0.02	0.040	IO					1.26
73.833	0.00	0.02	0.040	IO					1.26
73.917	0.00	0.02	0.040	IO					1.26
74.000	0.00	0.02	0.040	IO					1.25
74.083	0.00	0.02	0.040	IO					1.25
74.167	0.00	0.02	0.039	IO					1.25
74.250	0.00	0.02	0.039	IO					1.25
74.333	0.00	0.02	0.039	IO					1.24
74.417	0.00	0.02	0.039	IO					1.24
74.500	0.00	0.02	0.039	IO					1.24
74.583	0.00	0.02	0.039	IO					1.24
74.667	0.00	0.02	0.039	IO					1.23
74.750	0.00	0.02	0.039	IO					1.23
74.833	0.00	0.02	0.038	IO					1.23
74.917	0.00	0.02	0.038	IO					1.23
75.000	0.00	0.02	0.038	IO					1.22
75.083	0.00	0.02	0.038	IO					1.22
75.167	0.00	0.02	0.038	IO					1.22
75.250	0.00	0.02	0.038	IO					1.21
75.333	0.00	0.02	0.038	IO					1.21
75.417	0.00	0.02	0.038	IO					1.21
75.500	0.00	0.02	0.038	IO					1.21
75.583	0.00	0.02	0.037	IO					1.20
75.667	0.00	0.02	0.037	IO					1.20
75.750	0.00	0.02	0.037	IO					1.20
75.833	0.00	0.02	0.037	IO					1.20
75.917	0.00	0.02	0.037	IO					1.19
76.000	0.00	0.02	0.037	IO					1.19
76.083	0.00	0.02	0.037	IO					1.19
76.167	0.00	0.02	0.037	IO					1.19
76.250	0.00	0.02	0.036	IO					1.18
76.333	0.00	0.02	0.036	IO					1.18
76.417	0.00	0.02	0.036	IO					1.18
76.500	0.00	0.02	0.036	IO					1.18
76.583	0.00	0.02	0.036	IO					1.17
76.667	0.00	0.02	0.036	IO					1.17
76.750	0.00	0.02	0.036	IO					1.17
76.833	0.00	0.02	0.036	IO					1.17
76.917	0.00	0.02	0.036	IO					1.16
77.000	0.00	0.02	0.035	IO					1.16

77.083	0.00	0.02	0.035	IO					1.16
77.167	0.00	0.02	0.035	IO					1.16
77.250	0.00	0.02	0.035	IO					1.15
77.333	0.00	0.02	0.035	IO					1.15
77.417	0.00	0.02	0.035	IO					1.15
77.500	0.00	0.02	0.035	IO					1.15
77.583	0.00	0.02	0.035	IO					1.14
77.667	0.00	0.02	0.034	IO					1.14
77.750	0.00	0.02	0.034	IO					1.14
77.833	0.00	0.02	0.034	IO					1.14
77.917	0.00	0.02	0.034	IO					1.13
78.000	0.00	0.02	0.034	IO					1.13
78.083	0.00	0.02	0.034	IO					1.13
78.167	0.00	0.02	0.034	IO					1.13
78.250	0.00	0.02	0.034	IO					1.12
78.333	0.00	0.02	0.034	IO					1.12
78.417	0.00	0.02	0.033	IO					1.12
78.500	0.00	0.02	0.033	IO					1.12
78.583	0.00	0.02	0.033	IO					1.11
78.667	0.00	0.02	0.033	IO					1.11
78.750	0.00	0.02	0.033	IO					1.11
78.833	0.00	0.02	0.033	IO					1.11
78.917	0.00	0.02	0.033	IO					1.10
79.000	0.00	0.02	0.033	IO					1.10
79.083	0.00	0.02	0.033	IO					1.10
79.167	0.00	0.02	0.032	IO					1.10
79.250	0.00	0.02	0.032	IO					1.09
79.333	0.00	0.02	0.032	IO					1.09
79.417	0.00	0.02	0.032	IO					1.09
79.500	0.00	0.02	0.032	IO					1.09
79.583	0.00	0.02	0.032	IO					1.08
79.667	0.00	0.02	0.032	IO					1.08
79.750	0.00	0.02	0.032	IO					1.08
79.833	0.00	0.02	0.031	IO					1.08
79.917	0.00	0.02	0.031	IO					1.07
80.000	0.00	0.02	0.031	IO					1.07
80.083	0.00	0.02	0.031	IO					1.07
80.167	0.00	0.02	0.031	IO					1.07
80.250	0.00	0.02	0.031	IO					1.06
80.333	0.00	0.02	0.031	IO					1.06
80.417	0.00	0.02	0.031	IO					1.06
80.500	0.00	0.02	0.031	IO					1.06
80.583	0.00	0.02	0.030	IO					1.05
80.667	0.00	0.02	0.030	IO					1.05
80.750	0.00	0.02	0.030	IO					1.05
80.833	0.00	0.02	0.030	IO					1.05
80.917	0.00	0.02	0.030	IO					1.04
81.000	0.00	0.02	0.030	IO					1.04
81.083	0.00	0.02	0.030	IO					1.04
81.167	0.00	0.02	0.030	IO					1.04

81.250	0.00	0.02	0.030	IO					1.03
81.333	0.00	0.02	0.029	IO					1.03
81.417	0.00	0.02	0.029	IO					1.03
81.500	0.00	0.02	0.029	IO					1.03
81.583	0.00	0.02	0.029	IO					1.02
81.667	0.00	0.02	0.029	IO					1.02
81.750	0.00	0.02	0.029	IO					1.02
81.833	0.00	0.02	0.029	IO					1.02
81.917	0.00	0.02	0.029	IO					1.02
82.000	0.00	0.02	0.029	IO					1.01
82.083	0.00	0.02	0.028	IO					1.01
82.167	0.00	0.02	0.028	IO					1.01
82.250	0.00	0.02	0.028	IO					1.01
82.333	0.00	0.02	0.028	IO					1.00
82.417	0.00	0.02	0.028	IO					1.00
82.500	0.00	0.02	0.028	IO					1.00
82.583	0.00	0.02	0.028	IO					0.99
82.667	0.00	0.02	0.028	IO					0.99
82.750	0.00	0.02	0.028	IO					0.99
82.833	0.00	0.02	0.027	IO					0.98
82.917	0.00	0.02	0.027	IO					0.98
83.000	0.00	0.02	0.027	IO					0.97
83.083	0.00	0.02	0.027	IO					0.97
83.167	0.00	0.02	0.027	IO					0.97
83.250	0.00	0.02	0.027	IO					0.96
83.333	0.00	0.02	0.027	IO					0.96
83.417	0.00	0.02	0.027	IO					0.95
83.500	0.00	0.02	0.027	IO					0.95
83.583	0.00	0.02	0.027	IO					0.95
83.667	0.00	0.02	0.026	IO					0.94
83.750	0.00	0.02	0.026	IO					0.94
83.833	0.00	0.02	0.026	IO					0.93
83.917	0.00	0.02	0.026	IO					0.93
84.000	0.00	0.02	0.026	IO					0.93
84.083	0.00	0.02	0.026	IO					0.92
84.167	0.00	0.02	0.026	IO					0.92
84.250	0.00	0.02	0.026	IO					0.92
84.333	0.00	0.02	0.026	IO					0.91
84.417	0.00	0.02	0.025	IO					0.91
84.500	0.00	0.02	0.025	IO					0.90
84.583	0.00	0.02	0.025	IO					0.90
84.667	0.00	0.02	0.025	IO					0.90
84.750	0.00	0.02	0.025	IO					0.89
84.833	0.00	0.02	0.025	IO					0.89
84.917	0.00	0.02	0.025	IO					0.89
85.000	0.00	0.01	0.025	IO					0.88
85.083	0.00	0.01	0.025	IO					0.88
85.167	0.00	0.01	0.025	IO					0.87
85.250	0.00	0.01	0.024	IO					0.87
85.333	0.00	0.01	0.024	IO					0.87

85.417	0.00	0.01	0.024	IO					0.86
85.500	0.00	0.01	0.024	IO					0.86
85.583	0.00	0.01	0.024	IO					0.86
85.667	0.00	0.01	0.024	IO					0.85
85.750	0.00	0.01	0.024	IO					0.85
85.833	0.00	0.01	0.024	IO					0.84
85.917	0.00	0.01	0.024	IO					0.84
86.000	0.00	0.01	0.023	IO					0.84
86.083	0.00	0.01	0.023	IO					0.83
86.167	0.00	0.01	0.023	IO					0.83
86.250	0.00	0.01	0.023	IO					0.83
86.333	0.00	0.01	0.023	IO					0.82
86.417	0.00	0.01	0.023	IO					0.82
86.500	0.00	0.01	0.023	IO					0.82
86.583	0.00	0.01	0.023	IO					0.81
86.667	0.00	0.01	0.023	IO					0.81
86.750	0.00	0.01	0.023	IO					0.80
86.833	0.00	0.01	0.023	IO					0.80
86.917	0.00	0.01	0.022	IO					0.80
87.000	0.00	0.01	0.022	IO					0.79
87.083	0.00	0.01	0.022	IO					0.79
87.167	0.00	0.01	0.022	IO					0.79
87.250	0.00	0.01	0.022	IO					0.78
87.333	0.00	0.01	0.022	IO					0.78
87.417	0.00	0.01	0.022	IO					0.78
87.500	0.00	0.01	0.022	IO					0.77
87.583	0.00	0.01	0.022	IO					0.77
87.667	0.00	0.01	0.022	IO					0.77
87.750	0.00	0.01	0.021	IO					0.76
87.833	0.00	0.01	0.021	IO					0.76
87.917	0.00	0.01	0.021	IO					0.76
88.000	0.00	0.01	0.021	IO					0.75
88.083	0.00	0.01	0.021	IO					0.75
88.167	0.00	0.01	0.021	IO					0.75
88.250	0.00	0.01	0.021	IO					0.74
88.333	0.00	0.01	0.021	IO					0.74
88.417	0.00	0.01	0.021	IO					0.73
88.500	0.00	0.01	0.021	IO					0.73
88.583	0.00	0.01	0.020	IO					0.73
88.667	0.00	0.01	0.020	IO					0.72
88.750	0.00	0.01	0.020	IO					0.72
88.833	0.00	0.01	0.020	IO					0.72
88.917	0.00	0.01	0.020	IO					0.71
89.000	0.00	0.01	0.020	IO					0.71
89.083	0.00	0.01	0.020	IO					0.71
89.167	0.00	0.01	0.020	IO					0.70
89.250	0.00	0.01	0.020	IO					0.70
89.333	0.00	0.01	0.020	IO					0.70
89.417	0.00	0.01	0.020	IO					0.69
89.500	0.00	0.01	0.019	IO					0.69

89.583	0.00	0.01	0.019	IO					0.69
89.667	0.00	0.01	0.019	IO					0.68
89.750	0.00	0.01	0.019	IO					0.68
89.833	0.00	0.01	0.019	IO					0.68
89.917	0.00	0.01	0.019	IO					0.67
90.000	0.00	0.01	0.019	IO					0.67
90.083	0.00	0.01	0.019	IO					0.67
90.167	0.00	0.01	0.019	IO					0.66
90.250	0.00	0.01	0.019	IO					0.66
90.333	0.00	0.01	0.019	IO					0.66
90.417	0.00	0.01	0.018	IO					0.65
90.500	0.00	0.01	0.018	IO					0.65
90.583	0.00	0.01	0.018	IO					0.65
90.667	0.00	0.01	0.018	IO					0.65
90.750	0.00	0.01	0.018	IO					0.64
90.833	0.00	0.01	0.018	IO					0.64
90.917	0.00	0.01	0.018	IO					0.64
91.000	0.00	0.01	0.018	IO					0.63
91.083	0.00	0.01	0.018	IO					0.63
91.167	0.00	0.01	0.018	IO					0.63
91.250	0.00	0.01	0.018	IO					0.62
91.333	0.00	0.01	0.017	IO					0.62
91.417	0.00	0.01	0.017	IO					0.62
91.500	0.00	0.01	0.017	IO					0.61
91.583	0.00	0.01	0.017	IO					0.61
91.667	0.00	0.01	0.017	IO					0.61
91.750	0.00	0.01	0.017	IO					0.60
91.833	0.00	0.01	0.017	IO					0.60
91.917	0.00	0.01	0.017	IO					0.60
92.000	0.00	0.01	0.017	IO					0.59
92.083	0.00	0.01	0.017	IO					0.59
92.167	0.00	0.01	0.017	IO					0.59
92.250	0.00	0.01	0.017	IO					0.58
92.333	0.00	0.01	0.016	IO					0.58
92.417	0.00	0.01	0.016	IO					0.58
92.500	0.00	0.01	0.016	IO					0.58
92.583	0.00	0.01	0.016	IO					0.57
92.667	0.00	0.01	0.016	IO					0.57
92.750	0.00	0.01	0.016	IO					0.57
92.833	0.00	0.01	0.016	IO					0.56
92.917	0.00	0.01	0.016	IO					0.56
93.000	0.00	0.01	0.016	IO					0.56
93.083	0.00	0.01	0.016	IO					0.55
93.167	0.00	0.01	0.016	IO					0.55
93.250	0.00	0.01	0.015	IO					0.55
93.333	0.00	0.01	0.015	IO					0.55
93.417	0.00	0.01	0.015	IO					0.54
93.500	0.00	0.01	0.015	IO					0.54
93.583	0.00	0.01	0.015	IO					0.54
93.667	0.00	0.01	0.015	IO					0.53

93.750	0.00	0.01	0.015	IO					0.53
93.833	0.00	0.01	0.015	IO					0.53
93.917	0.00	0.01	0.015	IO					0.52
94.000	0.00	0.01	0.015	IO					0.52
94.083	0.00	0.01	0.015	IO					0.52
94.167	0.00	0.01	0.015	IO					0.52
94.250	0.00	0.01	0.015	IO					0.51
94.333	0.00	0.01	0.014	IO					0.51
94.417	0.00	0.01	0.014	IO					0.51
94.500	0.00	0.01	0.014	IO					0.50
94.583	0.00	0.01	0.014	IO					0.50
94.667	0.00	0.01	0.014	IO					0.50
94.750	0.00	0.01	0.014	IO					0.49
94.833	0.00	0.01	0.014	IO					0.49
94.917	0.00	0.01	0.014	IO					0.49
95.000	0.00	0.01	0.014	IO					0.49
95.083	0.00	0.01	0.014	IO					0.48
95.167	0.00	0.01	0.014	IO					0.48
95.250	0.00	0.01	0.014	IO					0.48
95.333	0.00	0.01	0.013	IO					0.47
95.417	0.00	0.01	0.013	IO					0.47
95.500	0.00	0.01	0.013	IO					0.47
95.583	0.00	0.01	0.013	IO					0.47
95.667	0.00	0.01	0.013	IO					0.46
95.750	0.00	0.01	0.013	IO					0.46
95.833	0.00	0.01	0.013	IO					0.46
95.917	0.00	0.01	0.013	IO					0.45
96.000	0.00	0.01	0.013	IO					0.45
96.083	0.00	0.01	0.013	IO					0.45
96.167	0.00	0.01	0.013	IO					0.45
96.250	0.00	0.01	0.013	IO					0.44
96.333	0.00	0.01	0.013	IO					0.44
96.417	0.00	0.01	0.012	IO					0.44
96.500	0.00	0.01	0.012	IO					0.43
96.583	0.00	0.01	0.012	IO					0.43
96.667	0.00	0.01	0.012	IO					0.43
96.750	0.00	0.01	0.012	IO					0.43
96.833	0.00	0.01	0.012	IO					0.42
96.917	0.00	0.01	0.012	IO					0.42
97.000	0.00	0.01	0.012	IO					0.42
97.083	0.00	0.01	0.012	IO					0.42
97.167	0.00	0.01	0.012	IO					0.41
97.250	0.00	0.01	0.012	IO					0.41
97.333	0.00	0.01	0.012	IO					0.41
97.417	0.00	0.01	0.012	IO					0.40
97.500	0.00	0.01	0.011	IO					0.40
97.583	0.00	0.01	0.011	IO					0.40
97.667	0.00	0.01	0.011	IO					0.40
97.750	0.00	0.01	0.011	IO					0.39
97.833	0.00	0.01	0.011	IO					0.39

97.917	0.00	0.01	0.011	IO					0.39
98.000	0.00	0.01	0.011	IO					0.39
98.083	0.00	0.01	0.011	IO					0.38
98.167	0.00	0.01	0.011	IO					0.38
98.250	0.00	0.01	0.011	IO					0.38
98.333	0.00	0.01	0.011	IO					0.37
98.417	0.00	0.01	0.011	IO					0.37
98.500	0.00	0.01	0.011	IO					0.37
98.583	0.00	0.01	0.010	IO					0.37
98.667	0.00	0.01	0.010	IO					0.36
98.750	0.00	0.01	0.010	IO					0.36
98.833	0.00	0.01	0.010	IO					0.36
98.917	0.00	0.01	0.010	IO					0.36
99.000	0.00	0.01	0.010	IO					0.35
99.083	0.00	0.01	0.010	IO					0.35
99.167	0.00	0.01	0.010	IO					0.35
99.250	0.00	0.01	0.010	IO					0.35
99.333	0.00	0.01	0.010	IO					0.34
99.417	0.00	0.01	0.010	IO					0.34
99.500	0.00	0.01	0.010	IO					0.34
99.583	0.00	0.01	0.010	IO					0.34
99.667	0.00	0.01	0.010	IO					0.33
99.750	0.00	0.01	0.009	IO					0.33
99.833	0.00	0.01	0.009	IO					0.33
99.917	0.00	0.01	0.009	IO					0.33
100.000	0.00	0.01	0.009	IO					0.32
100.083	0.00	0.01	0.009	IO					0.32
100.167	0.00	0.01	0.009	IO					0.32
100.250	0.00	0.01	0.009	IO					0.32
100.333	0.00	0.01	0.009	IO					0.31
100.417	0.00	0.01	0.009	IO					0.31
100.500	0.00	0.01	0.009	IO					0.31
100.583	0.00	0.01	0.009	IO					0.31
100.667	0.00	0.01	0.009	IO					0.30
100.750	0.00	0.01	0.009	IO					0.30
100.833	0.00	0.01	0.009	IO					0.30
100.917	0.00	0.01	0.009	IO					0.30
101.000	0.00	0.01	0.008	IO					0.29
101.083	0.00	0.01	0.008	IO					0.29
101.167	0.00	0.01	0.008	IO					0.29
101.250	0.00	0.01	0.008	IO					0.29
101.333	0.00	0.01	0.008	IO					0.28
101.417	0.00	0.01	0.008	IO					0.28
101.500	0.00	0.01	0.008	IO					0.28
101.583	0.00	0.01	0.008	IO					0.28
101.667	0.00	0.01	0.008	IO					0.27
101.750	0.00	0.01	0.008	IO					0.27
101.833	0.00	0.01	0.008	IO					0.27
101.917	0.00	0.01	0.008	IO					0.27
102.000	0.00	0.01	0.008	O					0.26

102.083	0.00	0.01	0.008	0					0.26
102.167	0.00	0.01	0.007	0					0.26
102.250	0.00	0.01	0.007	0					0.26
102.333	0.00	0.01	0.007	0					0.25
102.417	0.00	0.01	0.007	0					0.25
102.500	0.00	0.01	0.007	0					0.25
102.583	0.00	0.01	0.007	0					0.25
102.667	0.00	0.01	0.007	0					0.24
102.750	0.00	0.01	0.007	0					0.24
102.833	0.00	0.01	0.007	0					0.24
102.917	0.00	0.01	0.007	0					0.24
103.000	0.00	0.01	0.007	0					0.23
103.083	0.00	0.01	0.007	0					0.23
103.167	0.00	0.01	0.007	0					0.23
103.250	0.00	0.01	0.007	0					0.23
103.333	0.00	0.01	0.007	0					0.23
103.417	0.00	0.01	0.007	0					0.22
103.500	0.00	0.01	0.006	0					0.22
103.583	0.00	0.01	0.006	0					0.22
103.667	0.00	0.01	0.006	0					0.22
103.750	0.00	0.01	0.006	0					0.21
103.833	0.00	0.01	0.006	0					0.21
103.917	0.00	0.01	0.006	0					0.21
104.000	0.00	0.01	0.006	0					0.21
104.083	0.00	0.01	0.006	0					0.20
104.167	0.00	0.01	0.006	0					0.20
104.250	0.00	0.01	0.006	0					0.20
104.333	0.00	0.01	0.006	0					0.20
104.417	0.00	0.01	0.006	0					0.20
104.500	0.00	0.01	0.006	0					0.19
104.583	0.00	0.01	0.006	0					0.19
104.667	0.00	0.01	0.006	0					0.19
104.750	0.00	0.01	0.005	0					0.19
104.833	0.00	0.01	0.005	0					0.18
104.917	0.00	0.01	0.005	0					0.18
105.000	0.00	0.01	0.005	0					0.18
105.083	0.00	0.01	0.005	0					0.18
105.167	0.00	0.01	0.005	0					0.17
105.250	0.00	0.01	0.005	0					0.17
105.333	0.00	0.01	0.005	0					0.17
105.417	0.00	0.01	0.005	0					0.17
105.500	0.00	0.01	0.005	0					0.17
105.583	0.00	0.01	0.005	0					0.16
105.667	0.00	0.01	0.005	0					0.16
105.750	0.00	0.01	0.005	0					0.16
105.833	0.00	0.01	0.005	0					0.16
105.917	0.00	0.01	0.005	0					0.15
106.000	0.00	0.01	0.005	0					0.15
106.083	0.00	0.01	0.005	0					0.15
106.167	0.00	0.01	0.004	0					0.15

106.250	0.00	0.01	0.004	0					0.15
106.333	0.00	0.01	0.004	0					0.14
106.417	0.00	0.01	0.004	0					0.14
106.500	0.00	0.01	0.004	0					0.14
106.583	0.00	0.01	0.004	0					0.14
106.667	0.00	0.01	0.004	0					0.14
106.750	0.00	0.01	0.004	0					0.13
106.833	0.00	0.01	0.004	0					0.13
106.917	0.00	0.01	0.004	0					0.13
107.000	0.00	0.01	0.004	0					0.13
107.083	0.00	0.01	0.004	0					0.12
107.167	0.00	0.01	0.004	0					0.12
107.250	0.00	0.01	0.004	0					0.12
107.333	0.00	0.01	0.004	0					0.12
107.417	0.00	0.01	0.004	0					0.12
107.500	0.00	0.01	0.003	0					0.11
107.583	0.00	0.01	0.003	0					0.11
107.667	0.00	0.01	0.003	0					0.11
107.750	0.00	0.01	0.003	0					0.11
107.833	0.00	0.01	0.003	0					0.11
107.917	0.00	0.01	0.003	0					0.10
108.000	0.00	0.01	0.003	0					0.10
108.083	0.00	0.01	0.003	0					0.10
108.167	0.00	0.01	0.003	0					0.10
108.250	0.00	0.01	0.003	0					0.10
108.333	0.00	0.01	0.003	0					0.09
108.417	0.00	0.01	0.003	0					0.09
108.500	0.00	0.01	0.003	0					0.09
108.583	0.00	0.01	0.003	0					0.09
108.667	0.00	0.01	0.003	0					0.08
108.750	0.00	0.01	0.003	0					0.08
108.833	0.00	0.01	0.003	0					0.08
108.917	0.00	0.01	0.003	0					0.08
109.000	0.00	0.01	0.002	0					0.08
109.083	0.00	0.01	0.002	0					0.07
109.167	0.00	0.01	0.002	0					0.07
109.250	0.00	0.01	0.002	0					0.07
109.333	0.00	0.01	0.002	0					0.07
109.417	0.00	0.01	0.002	0					0.07
109.500	0.00	0.01	0.002	0					0.06
109.583	0.00	0.01	0.002	0					0.06
109.667	0.00	0.01	0.002	0					0.06
109.750	0.00	0.01	0.002	0					0.06
109.833	0.00	0.01	0.002	0					0.06
109.917	0.00	0.01	0.002	0					0.06
110.000	0.00	0.01	0.002	0					0.05
110.083	0.00	0.01	0.002	0					0.05
110.167	0.00	0.01	0.002	0					0.05
110.250	0.00	0.01	0.002	0					0.05
110.333	0.00	0.01	0.002	0					0.05

110.417	0.00	0.01	0.002	0					0.05
110.500	0.00	0.01	0.002	0					0.05
110.583	0.00	0.01	0.001	0					0.04
110.667	0.00	0.01	0.001	0					0.04
110.750	0.00	0.01	0.001	0					0.04
110.833	0.00	0.01	0.001	0					0.04
110.917	0.00	0.01	0.001	0					0.04
111.000	0.00	0.01	0.001	0					0.04
111.083	0.00	0.01	0.001	0					0.04
111.167	0.00	0.00	0.001	0					0.04
111.250	0.00	0.00	0.001	0					0.04
111.333	0.00	0.00	0.001	0					0.03
111.417	0.00	0.00	0.001	0					0.03
111.500	0.00	0.00	0.001	0					0.03
111.583	0.00	0.00	0.001	0					0.03
111.667	0.00	0.00	0.001	0					0.03
111.750	0.00	0.00	0.001	0					0.03
111.833	0.00	0.00	0.001	0					0.03
111.917	0.00	0.00	0.001	0					0.03
112.000	0.00	0.00	0.001	0					0.03
112.083	0.00	0.00	0.001	0					0.03
112.167	0.00	0.00	0.001	0					0.03
112.250	0.00	0.00	0.001	0					0.03
112.333	0.00	0.00	0.001	0					0.03
112.417	0.00	0.00	0.001	0					0.02
112.500	0.00	0.00	0.001	0					0.02
112.583	0.00	0.00	0.001	0					0.02
112.667	0.00	0.00	0.001	0					0.02
112.750	0.00	0.00	0.001	0					0.02
112.833	0.00	0.00	0.001	0					0.02
112.917	0.00	0.00	0.001	0					0.02
113.000	0.00	0.00	0.001	0					0.02
113.083	0.00	0.00	0.001	0					0.02
113.167	0.00	0.00	0.001	0					0.02
113.250	0.00	0.00	0.001	0					0.02
113.333	0.00	0.00	0.001	0					0.02
113.417	0.00	0.00	0.001	0					0.02
113.500	0.00	0.00	0.001	0					0.02
113.583	0.00	0.00	0.001	0					0.02
113.667	0.00	0.00	0.001	0					0.02
113.750	0.00	0.00	0.001	0					0.02
113.833	0.00	0.00	0.001	0					0.02
113.917	0.00	0.00	0.000	0					0.01
114.000	0.00	0.00	0.000	0					0.01
114.083	0.00	0.00	0.000	0					0.01
114.167	0.00	0.00	0.000	0					0.01
114.250	0.00	0.00	0.000	0					0.01
114.333	0.00	0.00	0.000	0					0.01
114.417	0.00	0.00	0.000	0					0.01
114.500	0.00	0.00	0.000	0					0.01

114.583	0.00	0.00	0.000	0					0.01
114.667	0.00	0.00	0.000	0					0.01
114.750	0.00	0.00	0.000	0					0.01
114.833	0.00	0.00	0.000	0					0.01
114.917	0.00	0.00	0.000	0					0.01
115.000	0.00	0.00	0.000	0					0.01
115.083	0.00	0.00	0.000	0					0.01
115.167	0.00	0.00	0.000	0					0.01
115.250	0.00	0.00	0.000	0					0.01
115.333	0.00	0.00	0.000	0					0.01
115.417	0.00	0.00	0.000	0					0.01
115.500	0.00	0.00	0.000	0					0.01
115.583	0.00	0.00	0.000	0					0.01
115.667	0.00	0.00	0.000	0					0.01
115.750	0.00	0.00	0.000	0					0.01
115.833	0.00	0.00	0.000	0					0.01
115.917	0.00	0.00	0.000	0					0.01
116.000	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1392

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.064 (CFS)

Total volume = 0.189 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
5 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da165.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.928 (CFS)
Total volume = 0.111 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.46	0.70	0.93	Depth (Ft.)
0.083	0.05	0.00	0.000	O I					0.01
0.167	0.09	0.00	0.001	O I					0.02
0.250	0.09	0.00	0.001	O I					0.04
0.333	0.10	0.01	0.002	O I					0.05
0.417	0.10	0.01	0.002	O I					0.08
0.500	0.10	0.01	0.003	O I					0.10
0.583	0.11	0.01	0.004	O I					0.12
0.667	0.11	0.01	0.004	O I					0.15
0.750	0.11	0.01	0.005	O I					0.17
0.833	0.11	0.01	0.006	O I					0.20
0.917	0.11	0.01	0.007	O I					0.22
1.000	0.12	0.01	0.007	O I					0.25
1.083	0.13	0.01	0.008	O I					0.28
1.167	0.13	0.01	0.009	O I					0.31
1.250	0.13	0.01	0.010	O I					0.34
1.333	0.13	0.01	0.010	O I					0.37
1.417	0.13	0.01	0.011	O I					0.39
1.500	0.13	0.01	0.012	O I					0.42
1.583	0.13	0.01	0.013	O I					0.45
1.667	0.13	0.01	0.014	O I					0.48
1.750	0.13	0.01	0.014	O I					0.51
1.833	0.13	0.01	0.015	O I					0.54
1.917	0.13	0.01	0.016	O I					0.57
2.000	0.14	0.01	0.017	O I					0.60

2.083	0.13	0.01	0.018	0	I						0.63
2.167	0.14	0.01	0.019	0	I						0.66
2.250	0.14	0.01	0.019	0	I						0.69
2.333	0.14	0.01	0.020	0	I						0.72
2.417	0.14	0.01	0.021	0	I						0.75
2.500	0.14	0.01	0.022	0	I						0.78
2.583	0.14	0.01	0.023	0	I						0.82
2.667	0.14	0.01	0.024	0	I						0.85
2.750	0.15	0.01	0.025	0	I						0.88
2.833	0.16	0.02	0.026	0	I						0.92
2.917	0.16	0.02	0.027	0	I						0.95
3.000	0.16	0.02	0.028	0	I						0.99
3.083	0.16	0.02	0.029	0	I						1.01
3.167	0.17	0.02	0.030	0	I						1.04
3.250	0.17	0.02	0.031	0	I						1.06
3.333	0.17	0.02	0.032	0	I						1.08
3.417	0.18	0.02	0.033	0	I						1.11
3.500	0.20	0.02	0.034	0	I						1.13
3.583	0.22	0.02	0.035	0	I						1.16
3.667	0.22	0.02	0.037	0	I						1.19
3.750	0.23	0.02	0.038	0	I						1.22
3.833	0.24	0.02	0.040	0	I						1.26
3.917	0.25	0.02	0.041	0	I						1.29
4.000	0.25	0.02	0.043	0	I						1.32
4.083	0.26	0.02	0.045	0		I					1.36
4.167	0.28	0.02	0.046	0		I					1.40
4.250	0.29	0.02	0.048	0		I					1.44
4.333	0.31	0.02	0.050	0		I					1.48
4.417	0.33	0.02	0.052	0		I					1.52
4.500	0.33	0.02	0.054	0		I					1.57
4.583	0.34	0.02	0.056	0		I					1.62
4.667	0.36	0.02	0.059	0		I					1.67
4.750	0.37	0.02	0.061	0		I					1.72
4.833	0.38	0.02	0.064	0		I					1.77
4.917	0.39	0.02	0.066	0		I					1.83
5.000	0.41	0.02	0.069	0		I					1.88
5.083	0.46	0.02	0.071	0			I				1.95
5.167	0.54	0.02	0.075	0				I			2.02
5.250	0.61	0.02	0.079	0					I		2.09
5.333	0.68	0.02	0.083	0						I	2.18
5.417	0.77	0.02	0.088	0						I	2.27
5.500	0.93	0.02	0.093	0						I	2.38
5.583	0.56	0.02	0.098	0			I				2.48
5.667	0.23	0.02	0.101	0		I					2.53
5.750	0.12	0.02	0.102	0	I						2.56
5.833	0.09	0.02	0.103	0	I						2.57
5.917	0.06	0.02	0.103	0	I						2.58
6.000	0.04	0.02	0.103	0	I						2.58
6.083	0.01	0.02	0.103	0							2.58
6.167	0.00	0.02	0.103	0							2.58

6.250	0.00	0.02	0.103	0					2.58
6.333	0.00	0.02	0.103	0					2.57
6.417	0.00	0.02	0.103	0					2.57
6.500	0.00	0.02	0.103	0					2.57
6.583	0.00	0.02	0.103	0					2.57
6.667	0.00	0.02	0.103	0					2.57
6.750	0.00	0.02	0.103	0					2.56
6.833	0.00	0.02	0.102	0					2.56
6.917	0.00	0.02	0.102	0					2.56
7.000	0.00	0.02	0.102	0					2.56
7.083	0.00	0.02	0.102	0					2.55
7.167	0.00	0.02	0.102	0					2.55
7.250	0.00	0.02	0.102	0					2.55
7.333	0.00	0.02	0.102	0					2.55
7.417	0.00	0.02	0.102	0					2.54
7.500	0.00	0.02	0.101	0					2.54
7.583	0.00	0.02	0.101	0					2.54
7.667	0.00	0.02	0.101	0					2.54
7.750	0.00	0.02	0.101	0					2.53
7.833	0.00	0.02	0.101	0					2.53
7.917	0.00	0.02	0.101	0					2.53
8.000	0.00	0.02	0.101	0					2.53
8.083	0.00	0.02	0.101	0					2.52
8.167	0.00	0.02	0.100	0					2.52
8.250	0.00	0.02	0.100	0					2.52
8.333	0.00	0.02	0.100	0					2.52
8.417	0.00	0.02	0.100	0					2.51
8.500	0.00	0.02	0.100	0					2.51
8.583	0.00	0.02	0.100	0					2.51
8.667	0.00	0.02	0.100	0					2.51
8.750	0.00	0.02	0.100	0					2.50
8.833	0.00	0.02	0.099	0					2.50
8.917	0.00	0.02	0.099	0					2.50
9.000	0.00	0.02	0.099	0					2.50
9.083	0.00	0.02	0.099	0					2.50
9.167	0.00	0.02	0.099	0					2.49
9.250	0.00	0.02	0.099	0					2.49
9.333	0.00	0.02	0.099	0					2.49
9.417	0.00	0.02	0.099	0					2.49
9.500	0.00	0.02	0.098	0					2.48
9.583	0.00	0.02	0.098	0					2.48
9.667	0.00	0.02	0.098	0					2.48
9.750	0.00	0.02	0.098	0					2.48
9.833	0.00	0.02	0.098	0					2.47
9.917	0.00	0.02	0.098	0					2.47
10.000	0.00	0.02	0.098	0					2.47
10.083	0.00	0.02	0.098	0					2.47
10.167	0.00	0.02	0.097	0					2.46
10.250	0.00	0.02	0.097	0					2.46
10.333	0.00	0.02	0.097	0					2.46

10.417	0.00	0.02	0.097	0					2.46
10.500	0.00	0.02	0.097	0					2.45
10.583	0.00	0.02	0.097	0					2.45
10.667	0.00	0.02	0.097	0					2.45
10.750	0.00	0.02	0.097	0					2.45
10.833	0.00	0.02	0.096	0					2.44
10.917	0.00	0.02	0.096	0					2.44
11.000	0.00	0.02	0.096	0					2.44
11.083	0.00	0.02	0.096	0					2.44
11.167	0.00	0.02	0.096	0					2.43
11.250	0.00	0.02	0.096	0					2.43
11.333	0.00	0.02	0.096	0					2.43
11.417	0.00	0.02	0.096	0					2.43
11.500	0.00	0.02	0.095	0					2.42
11.583	0.00	0.02	0.095	0					2.42
11.667	0.00	0.02	0.095	0					2.42
11.750	0.00	0.02	0.095	0					2.42
11.833	0.00	0.02	0.095	0					2.41
11.917	0.00	0.02	0.095	0					2.41
12.000	0.00	0.02	0.095	0					2.41
12.083	0.00	0.02	0.095	0					2.41
12.167	0.00	0.02	0.094	0					2.40
12.250	0.00	0.02	0.094	0					2.40
12.333	0.00	0.02	0.094	0					2.40
12.417	0.00	0.02	0.094	0					2.39
12.500	0.00	0.02	0.094	0					2.39
12.583	0.00	0.02	0.094	0					2.39
12.667	0.00	0.02	0.094	0					2.39
12.750	0.00	0.02	0.093	0					2.38
12.833	0.00	0.02	0.093	0					2.38
12.917	0.00	0.02	0.093	0					2.38
13.000	0.00	0.02	0.093	0					2.38
13.083	0.00	0.02	0.093	0					2.37
13.167	0.00	0.02	0.093	0					2.37
13.250	0.00	0.02	0.093	0					2.37
13.333	0.00	0.02	0.093	0					2.37
13.417	0.00	0.02	0.092	0					2.36
13.500	0.00	0.02	0.092	0					2.36
13.583	0.00	0.02	0.092	0					2.36
13.667	0.00	0.02	0.092	0					2.36
13.750	0.00	0.02	0.092	0					2.35
13.833	0.00	0.02	0.092	0					2.35
13.917	0.00	0.02	0.092	0					2.35
14.000	0.00	0.02	0.092	0					2.35
14.083	0.00	0.02	0.091	0					2.34
14.167	0.00	0.02	0.091	0					2.34
14.250	0.00	0.02	0.091	0					2.34
14.333	0.00	0.02	0.091	0					2.34
14.417	0.00	0.02	0.091	0					2.33
14.500	0.00	0.02	0.091	0					2.33

14.583	0.00	0.02	0.091	0					2.33
14.667	0.00	0.02	0.090	0					2.32
14.750	0.00	0.02	0.090	0					2.32
14.833	0.00	0.02	0.090	0					2.32
14.917	0.00	0.02	0.090	0					2.32
15.000	0.00	0.02	0.090	0					2.31
15.083	0.00	0.02	0.090	0					2.31
15.167	0.00	0.02	0.090	0					2.31
15.250	0.00	0.02	0.090	0					2.31
15.333	0.00	0.02	0.089	0					2.30
15.417	0.00	0.02	0.089	0					2.30
15.500	0.00	0.02	0.089	0					2.30
15.583	0.00	0.02	0.089	0					2.30
15.667	0.00	0.02	0.089	0					2.29
15.750	0.00	0.02	0.089	0					2.29
15.833	0.00	0.02	0.089	0					2.29
15.917	0.00	0.02	0.088	0					2.28
16.000	0.00	0.02	0.088	0					2.28
16.083	0.00	0.02	0.088	0					2.28
16.167	0.00	0.02	0.088	0					2.28
16.250	0.00	0.02	0.088	0					2.27
16.333	0.00	0.02	0.088	0					2.27
16.417	0.00	0.02	0.088	0					2.27
16.500	0.00	0.02	0.087	0					2.27
16.583	0.00	0.02	0.087	0					2.26
16.667	0.00	0.02	0.087	0					2.26
16.750	0.00	0.02	0.087	0					2.26
16.833	0.00	0.02	0.087	0					2.26
16.917	0.00	0.02	0.087	0					2.25
17.000	0.00	0.02	0.087	0					2.25
17.083	0.00	0.02	0.087	0					2.25
17.167	0.00	0.02	0.086	0					2.24
17.250	0.00	0.02	0.086	0					2.24
17.333	0.00	0.02	0.086	0					2.24
17.417	0.00	0.02	0.086	0					2.24
17.500	0.00	0.02	0.086	0					2.23
17.583	0.00	0.02	0.086	0					2.23
17.667	0.00	0.02	0.086	0					2.23
17.750	0.00	0.02	0.085	0					2.23
17.833	0.00	0.02	0.085	0					2.22
17.917	0.00	0.02	0.085	0					2.22
18.000	0.00	0.02	0.085	0					2.22
18.083	0.00	0.02	0.085	0					2.21
18.167	0.00	0.02	0.085	0					2.21
18.250	0.00	0.02	0.085	0					2.21
18.333	0.00	0.02	0.084	0					2.21
18.417	0.00	0.02	0.084	0					2.20
18.500	0.00	0.02	0.084	0					2.20
18.583	0.00	0.02	0.084	0					2.20
18.667	0.00	0.02	0.084	0					2.19

18.750	0.00	0.02	0.084	0					2.19
18.833	0.00	0.02	0.084	0					2.19
18.917	0.00	0.02	0.083	0					2.19
19.000	0.00	0.02	0.083	0					2.18
19.083	0.00	0.02	0.083	0					2.18
19.167	0.00	0.02	0.083	0					2.18
19.250	0.00	0.02	0.083	0					2.18
19.333	0.00	0.02	0.083	0					2.17
19.417	0.00	0.02	0.083	0					2.17
19.500	0.00	0.02	0.082	0					2.17
19.583	0.00	0.02	0.082	0					2.16
19.667	0.00	0.02	0.082	0					2.16
19.750	0.00	0.02	0.082	0					2.16
19.833	0.00	0.02	0.082	0					2.16
19.917	0.00	0.02	0.082	0					2.15
20.000	0.00	0.02	0.082	0					2.15
20.083	0.00	0.02	0.081	0					2.15
20.167	0.00	0.02	0.081	0					2.14
20.250	0.00	0.02	0.081	0					2.14
20.333	0.00	0.02	0.081	0					2.14
20.417	0.00	0.02	0.081	0					2.14
20.500	0.00	0.02	0.081	0					2.13
20.583	0.00	0.02	0.081	0					2.13
20.667	0.00	0.02	0.080	0					2.13
20.750	0.00	0.02	0.080	0					2.12
20.833	0.00	0.02	0.080	0					2.12
20.917	0.00	0.02	0.080	0					2.12
21.000	0.00	0.02	0.080	0					2.12
21.083	0.00	0.02	0.080	0					2.11
21.167	0.00	0.02	0.080	0					2.11
21.250	0.00	0.02	0.079	0					2.11
21.333	0.00	0.02	0.079	0					2.10
21.417	0.00	0.02	0.079	0					2.10
21.500	0.00	0.02	0.079	0					2.10
21.583	0.00	0.02	0.079	0					2.10
21.667	0.00	0.02	0.079	0					2.09
21.750	0.00	0.02	0.079	0					2.09
21.833	0.00	0.02	0.078	0					2.09
21.917	0.00	0.02	0.078	0					2.08
22.000	0.00	0.02	0.078	0					2.08
22.083	0.00	0.02	0.078	0					2.08
22.167	0.00	0.02	0.078	0					2.08
22.250	0.00	0.02	0.078	0					2.07
22.333	0.00	0.02	0.078	0					2.07
22.417	0.00	0.02	0.077	0					2.07
22.500	0.00	0.02	0.077	0					2.06
22.583	0.00	0.02	0.077	0					2.06
22.667	0.00	0.02	0.077	0					2.06
22.750	0.00	0.02	0.077	0					2.05
22.833	0.00	0.02	0.077	0					2.05

22.917	0.00	0.02	0.076	0					2.05
23.000	0.00	0.02	0.076	0					2.05
23.083	0.00	0.02	0.076	0					2.04
23.167	0.00	0.02	0.076	0					2.04
23.250	0.00	0.02	0.076	0					2.04
23.333	0.00	0.02	0.076	0					2.03
23.417	0.00	0.02	0.076	0					2.03
23.500	0.00	0.02	0.075	0					2.03
23.583	0.00	0.02	0.075	0					2.03
23.667	0.00	0.02	0.075	0					2.02
23.750	0.00	0.02	0.075	0					2.02
23.833	0.00	0.02	0.075	0					2.02
23.917	0.00	0.02	0.075	0					2.01
24.000	0.00	0.02	0.075	0					2.01
24.083	0.00	0.02	0.074	0					2.01
24.167	0.00	0.02	0.074	0					2.00
24.250	0.00	0.02	0.074	0					2.00
24.333	0.00	0.02	0.074	0					2.00
24.417	0.00	0.02	0.074	0					2.00
24.500	0.00	0.02	0.074	0					1.99
24.583	0.00	0.02	0.073	0					1.99
24.667	0.00	0.02	0.073	0					1.99
24.750	0.00	0.02	0.073	0					1.98
24.833	0.00	0.02	0.073	0					1.98
24.917	0.00	0.02	0.073	0					1.98
25.000	0.00	0.02	0.073	0					1.97
25.083	0.00	0.02	0.073	0					1.97
25.167	0.00	0.02	0.072	0					1.97
25.250	0.00	0.02	0.072	0					1.96
25.333	0.00	0.02	0.072	0					1.96
25.417	0.00	0.02	0.072	0					1.96
25.500	0.00	0.02	0.072	0					1.95
25.583	0.00	0.02	0.072	0					1.95
25.667	0.00	0.02	0.072	0					1.95
25.750	0.00	0.02	0.071	0					1.94
25.833	0.00	0.02	0.071	0					1.94
25.917	0.00	0.02	0.071	0					1.94
26.000	0.00	0.02	0.071	0					1.93
26.083	0.00	0.02	0.071	0					1.93
26.167	0.00	0.02	0.071	0					1.93
26.250	0.00	0.02	0.070	0					1.92
26.333	0.00	0.02	0.070	0					1.92
26.417	0.00	0.02	0.070	0					1.92
26.500	0.00	0.02	0.070	0					1.91
26.583	0.00	0.02	0.070	0					1.91
26.667	0.00	0.02	0.070	0					1.91
26.750	0.00	0.02	0.070	0					1.90
26.833	0.00	0.02	0.069	0					1.90
26.917	0.00	0.02	0.069	0					1.90
27.000	0.00	0.02	0.069	0					1.89

27.083	0.00	0.02	0.069	0					1.89
27.167	0.00	0.02	0.069	0					1.89
27.250	0.00	0.02	0.069	0					1.88
27.333	0.00	0.02	0.069	0					1.88
27.417	0.00	0.02	0.068	0					1.88
27.500	0.00	0.02	0.068	0					1.88
27.583	0.00	0.02	0.068	0					1.87
27.667	0.00	0.02	0.068	0					1.87
27.750	0.00	0.02	0.068	0					1.87
27.833	0.00	0.02	0.068	0					1.86
27.917	0.00	0.02	0.068	0					1.86
28.000	0.00	0.02	0.067	0					1.86
28.083	0.00	0.02	0.067	0					1.85
28.167	0.00	0.02	0.067	0					1.85
28.250	0.00	0.02	0.067	0					1.85
28.333	0.00	0.02	0.067	0					1.84
28.417	0.00	0.02	0.067	0					1.84
28.500	0.00	0.02	0.067	0					1.84
28.583	0.00	0.02	0.066	0					1.83
28.667	0.00	0.02	0.066	0					1.83
28.750	0.00	0.02	0.066	0					1.83
28.833	0.00	0.02	0.066	0					1.82
28.917	0.00	0.02	0.066	0					1.82
29.000	0.00	0.02	0.066	0					1.82
29.083	0.00	0.02	0.066	0					1.82
29.167	0.00	0.02	0.065	0					1.81
29.250	0.00	0.02	0.065	0					1.81
29.333	0.00	0.02	0.065	0					1.81
29.417	0.00	0.02	0.065	0					1.80
29.500	0.00	0.02	0.065	0					1.80
29.583	0.00	0.02	0.065	0					1.80
29.667	0.00	0.02	0.065	0					1.79
29.750	0.00	0.02	0.064	0					1.79
29.833	0.00	0.02	0.064	0					1.79
29.917	0.00	0.02	0.064	0					1.78
30.000	0.00	0.02	0.064	0					1.78
30.083	0.00	0.02	0.064	0					1.78
30.167	0.00	0.02	0.064	0					1.78
30.250	0.00	0.02	0.064	0					1.77
30.333	0.00	0.02	0.063	0					1.77
30.417	0.00	0.02	0.063	0					1.77
30.500	0.00	0.02	0.063	0					1.76
30.583	0.00	0.02	0.063	0					1.76
30.667	0.00	0.02	0.063	0					1.76
30.750	0.00	0.02	0.063	0					1.75
30.833	0.00	0.02	0.063	0					1.75
30.917	0.00	0.02	0.062	0					1.75
31.000	0.00	0.02	0.062	0					1.74
31.083	0.00	0.02	0.062	0					1.74
31.167	0.00	0.02	0.062	0					1.74

31.250	0.00	0.02	0.062	0					1.74
31.333	0.00	0.02	0.062	0					1.73
31.417	0.00	0.02	0.062	0					1.73
31.500	0.00	0.02	0.061	0					1.73
31.583	0.00	0.02	0.061	0					1.72
31.667	0.00	0.02	0.061	0					1.72
31.750	0.00	0.02	0.061	0					1.72
31.833	0.00	0.02	0.061	0					1.71
31.917	0.00	0.02	0.061	0					1.71
32.000	0.00	0.02	0.061	0					1.71
32.083	0.00	0.02	0.060	0					1.70
32.167	0.00	0.02	0.060	0					1.70
32.250	0.00	0.02	0.060	0					1.70
32.333	0.00	0.02	0.060	0					1.70
32.417	0.00	0.02	0.060	0					1.69
32.500	0.00	0.02	0.060	0					1.69
32.583	0.00	0.02	0.060	0					1.69
32.667	0.00	0.02	0.059	0					1.68
32.750	0.00	0.02	0.059	0					1.68
32.833	0.00	0.02	0.059	0					1.68
32.917	0.00	0.02	0.059	0					1.67
33.000	0.00	0.02	0.059	0					1.67
33.083	0.00	0.02	0.059	0					1.67
33.167	0.00	0.02	0.059	0					1.67
33.250	0.00	0.02	0.058	0					1.66
33.333	0.00	0.02	0.058	0					1.66
33.417	0.00	0.02	0.058	0					1.66
33.500	0.00	0.02	0.058	0					1.65
33.583	0.00	0.02	0.058	0					1.65
33.667	0.00	0.02	0.058	0					1.65
33.750	0.00	0.02	0.058	0					1.64
33.833	0.00	0.02	0.058	0					1.64
33.917	0.00	0.02	0.057	0					1.64
34.000	0.00	0.02	0.057	0					1.64
34.083	0.00	0.02	0.057	0					1.63
34.167	0.00	0.02	0.057	0					1.63
34.250	0.00	0.02	0.057	0					1.63
34.333	0.00	0.02	0.057	0					1.62
34.417	0.00	0.02	0.057	0					1.62
34.500	0.00	0.02	0.056	0					1.62
34.583	0.00	0.02	0.056	0					1.62
34.667	0.00	0.02	0.056	0					1.61
34.750	0.00	0.02	0.056	0					1.61
34.833	0.00	0.02	0.056	0					1.61
34.917	0.00	0.02	0.056	0					1.60
35.000	0.00	0.02	0.056	0					1.60
35.083	0.00	0.02	0.055	0					1.60
35.167	0.00	0.02	0.055	0					1.59
35.250	0.00	0.02	0.055	0					1.59
35.333	0.00	0.02	0.055	0					1.59

35.417	0.00	0.02	0.055	0					1.59
35.500	0.00	0.02	0.055	0					1.58
35.583	0.00	0.02	0.055	0					1.58
35.667	0.00	0.02	0.055	0					1.58
35.750	0.00	0.02	0.054	0					1.57
35.833	0.00	0.02	0.054	0					1.57
35.917	0.00	0.02	0.054	0					1.57
36.000	0.00	0.02	0.054	0					1.57
36.083	0.00	0.02	0.054	0					1.56
36.167	0.00	0.02	0.054	0					1.56
36.250	0.00	0.02	0.054	0					1.56
36.333	0.00	0.02	0.053	0					1.55
36.417	0.00	0.02	0.053	0					1.55
36.500	0.00	0.02	0.053	0					1.55
36.583	0.00	0.02	0.053	0					1.55
36.667	0.00	0.02	0.053	0					1.54
36.750	0.00	0.02	0.053	0					1.54
36.833	0.00	0.02	0.053	0					1.54
36.917	0.00	0.02	0.053	0					1.53
37.000	0.00	0.02	0.052	0					1.53
37.083	0.00	0.02	0.052	0					1.53
37.167	0.00	0.02	0.052	0					1.52
37.250	0.00	0.02	0.052	0					1.52
37.333	0.00	0.02	0.052	0					1.52
37.417	0.00	0.02	0.052	0					1.52
37.500	0.00	0.02	0.052	0					1.51
37.583	0.00	0.02	0.051	0					1.51
37.667	0.00	0.02	0.051	0					1.51
37.750	0.00	0.02	0.051	0					1.50
37.833	0.00	0.02	0.051	0					1.50
37.917	0.00	0.02	0.051	0					1.50
38.000	0.00	0.02	0.051	0					1.50
38.083	0.00	0.02	0.051	0					1.49
38.167	0.00	0.02	0.051	0					1.49
38.250	0.00	0.02	0.050	0					1.49
38.333	0.00	0.02	0.050	0					1.48
38.417	0.00	0.02	0.050	0					1.48
38.500	0.00	0.02	0.050	0					1.48
38.583	0.00	0.02	0.050	0					1.48
38.667	0.00	0.02	0.050	0					1.47
38.750	0.00	0.02	0.050	0					1.47
38.833	0.00	0.02	0.050	0					1.47
38.917	0.00	0.02	0.049	0					1.47
39.000	0.00	0.02	0.049	0					1.46
39.083	0.00	0.02	0.049	0					1.46
39.167	0.00	0.02	0.049	0					1.46
39.250	0.00	0.02	0.049	0					1.45
39.333	0.00	0.02	0.049	0					1.45
39.417	0.00	0.02	0.049	0					1.45
39.500	0.00	0.02	0.048	0					1.45

39.583	0.00	0.02	0.048	0					1.44
39.667	0.00	0.02	0.048	0					1.44
39.750	0.00	0.02	0.048	0					1.44
39.833	0.00	0.02	0.048	0					1.43
39.917	0.00	0.02	0.048	0					1.43
40.000	0.00	0.02	0.048	0					1.43
40.083	0.00	0.02	0.048	0					1.43
40.167	0.00	0.02	0.047	0					1.42
40.250	0.00	0.02	0.047	0					1.42
40.333	0.00	0.02	0.047	0					1.42
40.417	0.00	0.02	0.047	0					1.42
40.500	0.00	0.02	0.047	0					1.41
40.583	0.00	0.02	0.047	0					1.41
40.667	0.00	0.02	0.047	0					1.41
40.750	0.00	0.02	0.047	0					1.40
40.833	0.00	0.02	0.046	0					1.40
40.917	0.00	0.02	0.046	0					1.40
41.000	0.00	0.02	0.046	0					1.40
41.083	0.00	0.02	0.046	0					1.39
41.167	0.00	0.02	0.046	0					1.39
41.250	0.00	0.02	0.046	0					1.39
41.333	0.00	0.02	0.046	0					1.38
41.417	0.00	0.02	0.046	0					1.38
41.500	0.00	0.02	0.045	0					1.38
41.583	0.00	0.02	0.045	0					1.38
41.667	0.00	0.02	0.045	0					1.37
41.750	0.00	0.02	0.045	0					1.37
41.833	0.00	0.02	0.045	0					1.37
41.917	0.00	0.02	0.045	0					1.37
42.000	0.00	0.02	0.045	0					1.36
42.083	0.00	0.02	0.045	0					1.36
42.167	0.00	0.02	0.044	0					1.36
42.250	0.00	0.02	0.044	0					1.35
42.333	0.00	0.02	0.044	0					1.35
42.417	0.00	0.02	0.044	0					1.35
42.500	0.00	0.02	0.044	0					1.35
42.583	0.00	0.02	0.044	0					1.34
42.667	0.00	0.02	0.044	0					1.34
42.750	0.00	0.02	0.044	0					1.34
42.833	0.00	0.02	0.043	0					1.34
42.917	0.00	0.02	0.043	0					1.33
43.000	0.00	0.02	0.043	0					1.33
43.083	0.00	0.02	0.043	0					1.33
43.167	0.00	0.02	0.043	0					1.32
43.250	0.00	0.02	0.043	0					1.32
43.333	0.00	0.02	0.043	0					1.32
43.417	0.00	0.02	0.043	0					1.32
43.500	0.00	0.02	0.042	0					1.31
43.583	0.00	0.02	0.042	0					1.31
43.667	0.00	0.02	0.042	0					1.31

43.750	0.00	0.02	0.042	0					1.31
43.833	0.00	0.02	0.042	0					1.30
43.917	0.00	0.02	0.042	0					1.30
44.000	0.00	0.02	0.042	0					1.30
44.083	0.00	0.02	0.042	0					1.30
44.167	0.00	0.02	0.041	0					1.29
44.250	0.00	0.02	0.041	0					1.29
44.333	0.00	0.02	0.041	0					1.29
44.417	0.00	0.02	0.041	0					1.28
44.500	0.00	0.02	0.041	0					1.28
44.583	0.00	0.02	0.041	0					1.28
44.667	0.00	0.02	0.041	0					1.28
44.750	0.00	0.02	0.041	0					1.27
44.833	0.00	0.02	0.040	0					1.27
44.917	0.00	0.02	0.040	0					1.27
45.000	0.00	0.02	0.040	0					1.27
45.083	0.00	0.02	0.040	0					1.26
45.167	0.00	0.02	0.040	0					1.26
45.250	0.00	0.02	0.040	0					1.26
45.333	0.00	0.02	0.040	0					1.26
45.417	0.00	0.02	0.040	0					1.25
45.500	0.00	0.02	0.040	0					1.25
45.583	0.00	0.02	0.039	0					1.25
45.667	0.00	0.02	0.039	0					1.25
45.750	0.00	0.02	0.039	0					1.24
45.833	0.00	0.02	0.039	0					1.24
45.917	0.00	0.02	0.039	0					1.24
46.000	0.00	0.02	0.039	0					1.24
46.083	0.00	0.02	0.039	0					1.23
46.167	0.00	0.02	0.039	0					1.23
46.250	0.00	0.02	0.038	0					1.23
46.333	0.00	0.02	0.038	0					1.22
46.417	0.00	0.02	0.038	0					1.22
46.500	0.00	0.02	0.038	0					1.22
46.583	0.00	0.02	0.038	0					1.22
46.667	0.00	0.02	0.038	0					1.21
46.750	0.00	0.02	0.038	0					1.21
46.833	0.00	0.02	0.038	0					1.21
46.917	0.00	0.02	0.037	0					1.21
47.000	0.00	0.02	0.037	0					1.20
47.083	0.00	0.02	0.037	0					1.20
47.167	0.00	0.02	0.037	0					1.20
47.250	0.00	0.02	0.037	0					1.20
47.333	0.00	0.02	0.037	0					1.19
47.417	0.00	0.02	0.037	0					1.19
47.500	0.00	0.02	0.037	0					1.19
47.583	0.00	0.02	0.037	0					1.19
47.667	0.00	0.02	0.036	0					1.18
47.750	0.00	0.02	0.036	0					1.18
47.833	0.00	0.02	0.036	0					1.18

47.917	0.00	0.02	0.036	0					1.18
48.000	0.00	0.02	0.036	0					1.17
48.083	0.00	0.02	0.036	0					1.17
48.167	0.00	0.02	0.036	0					1.17
48.250	0.00	0.02	0.036	0					1.17
48.333	0.00	0.02	0.035	0					1.16
48.417	0.00	0.02	0.035	0					1.16
48.500	0.00	0.02	0.035	0					1.16
48.583	0.00	0.02	0.035	0					1.16
48.667	0.00	0.02	0.035	0					1.15
48.750	0.00	0.02	0.035	0					1.15
48.833	0.00	0.02	0.035	0					1.15
48.917	0.00	0.02	0.035	0					1.15
49.000	0.00	0.02	0.035	0					1.14
49.083	0.00	0.02	0.034	0					1.14
49.167	0.00	0.02	0.034	0					1.14
49.250	0.00	0.02	0.034	0					1.14
49.333	0.00	0.02	0.034	0					1.13
49.417	0.00	0.02	0.034	0					1.13
49.500	0.00	0.02	0.034	0					1.13
49.583	0.00	0.02	0.034	0					1.13
49.667	0.00	0.02	0.034	0					1.12
49.750	0.00	0.02	0.034	0					1.12
49.833	0.00	0.02	0.033	0					1.12
49.917	0.00	0.02	0.033	0					1.12
50.000	0.00	0.02	0.033	0					1.11
50.083	0.00	0.02	0.033	0					1.11
50.167	0.00	0.02	0.033	0					1.11
50.250	0.00	0.02	0.033	0					1.11
50.333	0.00	0.02	0.033	0					1.10
50.417	0.00	0.02	0.033	0					1.10
50.500	0.00	0.02	0.032	0					1.10
50.583	0.00	0.02	0.032	0					1.10
50.667	0.00	0.02	0.032	0					1.09
50.750	0.00	0.02	0.032	0					1.09
50.833	0.00	0.02	0.032	0					1.09
50.917	0.00	0.02	0.032	0					1.09
51.000	0.00	0.02	0.032	0					1.08
51.083	0.00	0.02	0.032	0					1.08
51.167	0.00	0.02	0.032	0					1.08
51.250	0.00	0.02	0.031	0					1.08
51.333	0.00	0.02	0.031	0					1.07
51.417	0.00	0.02	0.031	0					1.07
51.500	0.00	0.02	0.031	0					1.07
51.583	0.00	0.02	0.031	0					1.07
51.667	0.00	0.02	0.031	0					1.06
51.750	0.00	0.02	0.031	0					1.06
51.833	0.00	0.02	0.031	0					1.06
51.917	0.00	0.02	0.031	0					1.06
52.000	0.00	0.02	0.030	0					1.05

52.083	0.00	0.02	0.030	0					1.05
52.167	0.00	0.02	0.030	0					1.05
52.250	0.00	0.02	0.030	0					1.05
52.333	0.00	0.02	0.030	0					1.04
52.417	0.00	0.02	0.030	0					1.04
52.500	0.00	0.02	0.030	0					1.04
52.583	0.00	0.02	0.030	0					1.04
52.667	0.00	0.02	0.030	0					1.03
52.750	0.00	0.02	0.029	0					1.03
52.833	0.00	0.02	0.029	0					1.03
52.917	0.00	0.02	0.029	0					1.03
53.000	0.00	0.02	0.029	0					1.02
53.083	0.00	0.02	0.029	0					1.02
53.167	0.00	0.02	0.029	0					1.02
53.250	0.00	0.02	0.029	0					1.02
53.333	0.00	0.02	0.029	0					1.01
53.417	0.00	0.02	0.029	0					1.01
53.500	0.00	0.02	0.028	0					1.01
53.583	0.00	0.02	0.028	0					1.01
53.667	0.00	0.02	0.028	0					1.00
53.750	0.00	0.02	0.028	0					1.00
53.833	0.00	0.02	0.028	0					1.00
53.917	0.00	0.02	0.028	0					1.00
54.000	0.00	0.02	0.028	0					0.99
54.083	0.00	0.02	0.028	0					0.99
54.167	0.00	0.02	0.028	0					0.98
54.250	0.00	0.02	0.027	0					0.98
54.333	0.00	0.02	0.027	0					0.98
54.417	0.00	0.02	0.027	0					0.97
54.500	0.00	0.02	0.027	0					0.97
54.583	0.00	0.02	0.027	0					0.96
54.667	0.00	0.02	0.027	0					0.96
54.750	0.00	0.02	0.027	0					0.96
54.833	0.00	0.02	0.027	0					0.95
54.917	0.00	0.02	0.027	0					0.95
55.000	0.00	0.02	0.026	0					0.95
55.083	0.00	0.02	0.026	0					0.94
55.167	0.00	0.02	0.026	0					0.94
55.250	0.00	0.02	0.026	0					0.93
55.333	0.00	0.02	0.026	0					0.93
55.417	0.00	0.02	0.026	0					0.93
55.500	0.00	0.02	0.026	0					0.92
55.583	0.00	0.02	0.026	0					0.92
55.667	0.00	0.02	0.026	0					0.91
55.750	0.00	0.02	0.026	0					0.91
55.833	0.00	0.02	0.025	0					0.91
55.917	0.00	0.02	0.025	0					0.90
56.000	0.00	0.02	0.025	0					0.90
56.083	0.00	0.02	0.025	0					0.90
56.167	0.00	0.02	0.025	0					0.89

56.250	0.00	0.02	0.025	0					0.89
56.333	0.00	0.02	0.025	0					0.88
56.417	0.00	0.01	0.025	0					0.88
56.500	0.00	0.01	0.025	0					0.88
56.583	0.00	0.01	0.024	0					0.87
56.667	0.00	0.01	0.024	0					0.87
56.750	0.00	0.01	0.024	0					0.87
56.833	0.00	0.01	0.024	0					0.86
56.917	0.00	0.01	0.024	0					0.86
57.000	0.00	0.01	0.024	0					0.85
57.083	0.00	0.01	0.024	0					0.85
57.167	0.00	0.01	0.024	0					0.85
57.250	0.00	0.01	0.024	0					0.84
57.333	0.00	0.01	0.024	0					0.84
57.417	0.00	0.01	0.023	0					0.84
57.500	0.00	0.01	0.023	0					0.83
57.583	0.00	0.01	0.023	0					0.83
57.667	0.00	0.01	0.023	0					0.83
57.750	0.00	0.01	0.023	0					0.82
57.833	0.00	0.01	0.023	0					0.82
57.917	0.00	0.01	0.023	0					0.81
58.000	0.00	0.01	0.023	0					0.81
58.083	0.00	0.01	0.023	0					0.81
58.167	0.00	0.01	0.023	0					0.80
58.250	0.00	0.01	0.022	0					0.80
58.333	0.00	0.01	0.022	0					0.80
58.417	0.00	0.01	0.022	0					0.79
58.500	0.00	0.01	0.022	0					0.79
58.583	0.00	0.01	0.022	0					0.79
58.667	0.00	0.01	0.022	0					0.78
58.750	0.00	0.01	0.022	0					0.78
58.833	0.00	0.01	0.022	0					0.78
58.917	0.00	0.01	0.022	0					0.77
59.000	0.00	0.01	0.022	0					0.77
59.083	0.00	0.01	0.022	0					0.77
59.167	0.00	0.01	0.021	0					0.76
59.250	0.00	0.01	0.021	0					0.76
59.333	0.00	0.01	0.021	0					0.75
59.417	0.00	0.01	0.021	0					0.75
59.500	0.00	0.01	0.021	0					0.75
59.583	0.00	0.01	0.021	0					0.74
59.667	0.00	0.01	0.021	0					0.74
59.750	0.00	0.01	0.021	0					0.74
59.833	0.00	0.01	0.021	0					0.73
59.917	0.00	0.01	0.021	0					0.73
60.000	0.00	0.01	0.020	0					0.73
60.083	0.00	0.01	0.020	0					0.72
60.167	0.00	0.01	0.020	0					0.72
60.250	0.00	0.01	0.020	0					0.72
60.333	0.00	0.01	0.020	0					0.71

60.417	0.00	0.01	0.020	0					0.71
60.500	0.00	0.01	0.020	0					0.71
60.583	0.00	0.01	0.020	0					0.70
60.667	0.00	0.01	0.020	0					0.70
60.750	0.00	0.01	0.020	0					0.70
60.833	0.00	0.01	0.020	0					0.69
60.917	0.00	0.01	0.019	0					0.69
61.000	0.00	0.01	0.019	0					0.69
61.083	0.00	0.01	0.019	0					0.68
61.167	0.00	0.01	0.019	0					0.68
61.250	0.00	0.01	0.019	0					0.68
61.333	0.00	0.01	0.019	0					0.67
61.417	0.00	0.01	0.019	0					0.67
61.500	0.00	0.01	0.019	0					0.67
61.583	0.00	0.01	0.019	0					0.66
61.667	0.00	0.01	0.019	0					0.66
61.750	0.00	0.01	0.019	0					0.66
61.833	0.00	0.01	0.018	0					0.65
61.917	0.00	0.01	0.018	0					0.65
62.000	0.00	0.01	0.018	0					0.65
62.083	0.00	0.01	0.018	0					0.64
62.167	0.00	0.01	0.018	0					0.64
62.250	0.00	0.01	0.018	0					0.64
62.333	0.00	0.01	0.018	0					0.63
62.417	0.00	0.01	0.018	0					0.63
62.500	0.00	0.01	0.018	0					0.63
62.583	0.00	0.01	0.018	0					0.63
62.667	0.00	0.01	0.018	0					0.62
62.750	0.00	0.01	0.017	0					0.62
62.833	0.00	0.01	0.017	0					0.62
62.917	0.00	0.01	0.017	0					0.61
63.000	0.00	0.01	0.017	0					0.61
63.083	0.00	0.01	0.017	0					0.61
63.167	0.00	0.01	0.017	0					0.60
63.250	0.00	0.01	0.017	0					0.60
63.333	0.00	0.01	0.017	0					0.60
63.417	0.00	0.01	0.017	0					0.59
63.500	0.00	0.01	0.017	0					0.59
63.583	0.00	0.01	0.017	0					0.59
63.667	0.00	0.01	0.016	0					0.58
63.750	0.00	0.01	0.016	0					0.58
63.833	0.00	0.01	0.016	0					0.58
63.917	0.00	0.01	0.016	0					0.57
64.000	0.00	0.01	0.016	0					0.57
64.083	0.00	0.01	0.016	0					0.57
64.167	0.00	0.01	0.016	0					0.57
64.250	0.00	0.01	0.016	0					0.56
64.333	0.00	0.01	0.016	0					0.56
64.417	0.00	0.01	0.016	0					0.56
64.500	0.00	0.01	0.016	0					0.55

64.583	0.00	0.01	0.016	0					0.55
64.667	0.00	0.01	0.015	0					0.55
64.750	0.00	0.01	0.015	0					0.54
64.833	0.00	0.01	0.015	0					0.54
64.917	0.00	0.01	0.015	0					0.54
65.000	0.00	0.01	0.015	0					0.54
65.083	0.00	0.01	0.015	0					0.53
65.167	0.00	0.01	0.015	0					0.53
65.250	0.00	0.01	0.015	0					0.53
65.333	0.00	0.01	0.015	0					0.52
65.417	0.00	0.01	0.015	0					0.52
65.500	0.00	0.01	0.015	0					0.52
65.583	0.00	0.01	0.015	0					0.51
65.667	0.00	0.01	0.014	0					0.51
65.750	0.00	0.01	0.014	0					0.51
65.833	0.00	0.01	0.014	0					0.51
65.917	0.00	0.01	0.014	0					0.50
66.000	0.00	0.01	0.014	0					0.50
66.083	0.00	0.01	0.014	0					0.50
66.167	0.00	0.01	0.014	0					0.49
66.250	0.00	0.01	0.014	0					0.49
66.333	0.00	0.01	0.014	0					0.49
66.417	0.00	0.01	0.014	0					0.49
66.500	0.00	0.01	0.014	0					0.48
66.583	0.00	0.01	0.014	0					0.48
66.667	0.00	0.01	0.014	0					0.48
66.750	0.00	0.01	0.013	0					0.47
66.833	0.00	0.01	0.013	0					0.47
66.917	0.00	0.01	0.013	0					0.47
67.000	0.00	0.01	0.013	0					0.47
67.083	0.00	0.01	0.013	0					0.46
67.167	0.00	0.01	0.013	0					0.46
67.250	0.00	0.01	0.013	0					0.46
67.333	0.00	0.01	0.013	0					0.45
67.417	0.00	0.01	0.013	0					0.45
67.500	0.00	0.01	0.013	0					0.45
67.583	0.00	0.01	0.013	0					0.45
67.667	0.00	0.01	0.013	0					0.44
67.750	0.00	0.01	0.013	0					0.44
67.833	0.00	0.01	0.012	0					0.44
67.917	0.00	0.01	0.012	0					0.43
68.000	0.00	0.01	0.012	0					0.43
68.083	0.00	0.01	0.012	0					0.43
68.167	0.00	0.01	0.012	0					0.43
68.250	0.00	0.01	0.012	0					0.42
68.333	0.00	0.01	0.012	0					0.42
68.417	0.00	0.01	0.012	0					0.42
68.500	0.00	0.01	0.012	0					0.41
68.583	0.00	0.01	0.012	0					0.41
68.667	0.00	0.01	0.012	0					0.41

68.750	0.00	0.01	0.012	0					0.41
68.833	0.00	0.01	0.012	0					0.40
68.917	0.00	0.01	0.011	0					0.40
69.000	0.00	0.01	0.011	0					0.40
69.083	0.00	0.01	0.011	0					0.40
69.167	0.00	0.01	0.011	0					0.39
69.250	0.00	0.01	0.011	0					0.39
69.333	0.00	0.01	0.011	0					0.39
69.417	0.00	0.01	0.011	0					0.38
69.500	0.00	0.01	0.011	0					0.38
69.583	0.00	0.01	0.011	0					0.38
69.667	0.00	0.01	0.011	0					0.38
69.750	0.00	0.01	0.011	0					0.37
69.833	0.00	0.01	0.011	0					0.37
69.917	0.00	0.01	0.011	0					0.37
70.000	0.00	0.01	0.010	0					0.37
70.083	0.00	0.01	0.010	0					0.36
70.167	0.00	0.01	0.010	0					0.36
70.250	0.00	0.01	0.010	0					0.36
70.333	0.00	0.01	0.010	0					0.36
70.417	0.00	0.01	0.010	0					0.35
70.500	0.00	0.01	0.010	0					0.35
70.583	0.00	0.01	0.010	0					0.35
70.667	0.00	0.01	0.010	0					0.35
70.750	0.00	0.01	0.010	0					0.34
70.833	0.00	0.01	0.010	0					0.34
70.917	0.00	0.01	0.010	0					0.34
71.000	0.00	0.01	0.010	0					0.34
71.083	0.00	0.01	0.010	0					0.33
71.167	0.00	0.01	0.009	0					0.33
71.250	0.00	0.01	0.009	0					0.33
71.333	0.00	0.01	0.009	0					0.32
71.417	0.00	0.01	0.009	0					0.32
71.500	0.00	0.01	0.009	0					0.32
71.583	0.00	0.01	0.009	0					0.32
71.667	0.00	0.01	0.009	0					0.31
71.750	0.00	0.01	0.009	0					0.31
71.833	0.00	0.01	0.009	0					0.31
71.917	0.00	0.01	0.009	0					0.31
72.000	0.00	0.01	0.009	0					0.30
72.083	0.00	0.01	0.009	0					0.30
72.167	0.00	0.01	0.009	0					0.30
72.250	0.00	0.01	0.009	0					0.30
72.333	0.00	0.01	0.008	0					0.29
72.417	0.00	0.01	0.008	0					0.29
72.500	0.00	0.01	0.008	0					0.29
72.583	0.00	0.01	0.008	0					0.29
72.667	0.00	0.01	0.008	0					0.28
72.750	0.00	0.01	0.008	0					0.28
72.833	0.00	0.01	0.008	0					0.28

72.917	0.00	0.01	0.008	0					0.28
73.000	0.00	0.01	0.008	0					0.27
73.083	0.00	0.01	0.008	0					0.27
73.167	0.00	0.01	0.008	0					0.27
73.250	0.00	0.01	0.008	0					0.27
73.333	0.00	0.01	0.008	0					0.27
73.417	0.00	0.01	0.008	0					0.26
73.500	0.00	0.01	0.008	0					0.26
73.583	0.00	0.01	0.007	0					0.26
73.667	0.00	0.01	0.007	0					0.26
73.750	0.00	0.01	0.007	0					0.25
73.833	0.00	0.01	0.007	0					0.25
73.917	0.00	0.01	0.007	0					0.25
74.000	0.00	0.01	0.007	0					0.25
74.083	0.00	0.01	0.007	0					0.24
74.167	0.00	0.01	0.007	0					0.24
74.250	0.00	0.01	0.007	0					0.24
74.333	0.00	0.01	0.007	0					0.24
74.417	0.00	0.01	0.007	0					0.23
74.500	0.00	0.01	0.007	0					0.23
74.583	0.00	0.01	0.007	0					0.23
74.667	0.00	0.01	0.007	0					0.23
74.750	0.00	0.01	0.007	0					0.22
74.833	0.00	0.01	0.006	0					0.22
74.917	0.00	0.01	0.006	0					0.22
75.000	0.00	0.01	0.006	0					0.22
75.083	0.00	0.01	0.006	0					0.22
75.167	0.00	0.01	0.006	0					0.21
75.250	0.00	0.01	0.006	0					0.21
75.333	0.00	0.01	0.006	0					0.21
75.417	0.00	0.01	0.006	0					0.21
75.500	0.00	0.01	0.006	0					0.20
75.583	0.00	0.01	0.006	0					0.20
75.667	0.00	0.01	0.006	0					0.20
75.750	0.00	0.01	0.006	0					0.20
75.833	0.00	0.01	0.006	0					0.19
75.917	0.00	0.01	0.006	0					0.19
76.000	0.00	0.01	0.006	0					0.19
76.083	0.00	0.01	0.006	0					0.19
76.167	0.00	0.01	0.005	0					0.19
76.250	0.00	0.01	0.005	0					0.18
76.333	0.00	0.01	0.005	0					0.18
76.417	0.00	0.01	0.005	0					0.18
76.500	0.00	0.01	0.005	0					0.18
76.583	0.00	0.01	0.005	0					0.17
76.667	0.00	0.01	0.005	0					0.17
76.750	0.00	0.01	0.005	0					0.17
76.833	0.00	0.01	0.005	0					0.17
76.917	0.00	0.01	0.005	0					0.17
77.000	0.00	0.01	0.005	0					0.16

77.083	0.00	0.01	0.005	0					0.16
77.167	0.00	0.01	0.005	0					0.16
77.250	0.00	0.01	0.005	0					0.16
77.333	0.00	0.01	0.005	0					0.15
77.417	0.00	0.01	0.005	0					0.15
77.500	0.00	0.01	0.004	0					0.15
77.583	0.00	0.01	0.004	0					0.15
77.667	0.00	0.01	0.004	0					0.15
77.750	0.00	0.01	0.004	0					0.14
77.833	0.00	0.01	0.004	0					0.14
77.917	0.00	0.01	0.004	0					0.14
78.000	0.00	0.01	0.004	0					0.14
78.083	0.00	0.01	0.004	0					0.13
78.167	0.00	0.01	0.004	0					0.13
78.250	0.00	0.01	0.004	0					0.13
78.333	0.00	0.01	0.004	0					0.13
78.417	0.00	0.01	0.004	0					0.13
78.500	0.00	0.01	0.004	0					0.12
78.583	0.00	0.01	0.004	0					0.12
78.667	0.00	0.01	0.004	0					0.12
78.750	0.00	0.01	0.004	0					0.12
78.833	0.00	0.01	0.004	0					0.12
78.917	0.00	0.01	0.003	0					0.11
79.000	0.00	0.01	0.003	0					0.11
79.083	0.00	0.01	0.003	0					0.11
79.167	0.00	0.01	0.003	0					0.11
79.250	0.00	0.01	0.003	0					0.11
79.333	0.00	0.01	0.003	0					0.10
79.417	0.00	0.01	0.003	0					0.10
79.500	0.00	0.01	0.003	0					0.10
79.583	0.00	0.01	0.003	0					0.10
79.667	0.00	0.01	0.003	0					0.09
79.750	0.00	0.01	0.003	0					0.09
79.833	0.00	0.01	0.003	0					0.09
79.917	0.00	0.01	0.003	0					0.09
80.000	0.00	0.01	0.003	0					0.09
80.083	0.00	0.01	0.003	0					0.08
80.167	0.00	0.01	0.003	0					0.08
80.250	0.00	0.01	0.003	0					0.08
80.333	0.00	0.01	0.003	0					0.08
80.417	0.00	0.01	0.002	0					0.08
80.500	0.00	0.01	0.002	0					0.07
80.583	0.00	0.01	0.002	0					0.07
80.667	0.00	0.01	0.002	0					0.07
80.750	0.00	0.01	0.002	0					0.07
80.833	0.00	0.01	0.002	0					0.07
80.917	0.00	0.01	0.002	0					0.06
81.000	0.00	0.01	0.002	0					0.06
81.083	0.00	0.01	0.002	0					0.06
81.167	0.00	0.01	0.002	0					0.06

81.250	0.00	0.01	0.002	0					0.06
81.333	0.00	0.01	0.002	0					0.06
81.417	0.00	0.01	0.002	0					0.05
81.500	0.00	0.01	0.002	0					0.05
81.583	0.00	0.01	0.002	0					0.05
81.667	0.00	0.01	0.002	0					0.05
81.750	0.00	0.01	0.002	0					0.05
81.833	0.00	0.01	0.002	0					0.05
81.917	0.00	0.01	0.002	0					0.05
82.000	0.00	0.01	0.001	0					0.04
82.083	0.00	0.01	0.001	0					0.04
82.167	0.00	0.01	0.001	0					0.04
82.250	0.00	0.01	0.001	0					0.04
82.333	0.00	0.01	0.001	0					0.04
82.417	0.00	0.01	0.001	0					0.04
82.500	0.00	0.01	0.001	0					0.04
82.583	0.00	0.00	0.001	0					0.04
82.667	0.00	0.00	0.001	0					0.04
82.750	0.00	0.00	0.001	0					0.03
82.833	0.00	0.00	0.001	0					0.03
82.917	0.00	0.00	0.001	0					0.03
83.000	0.00	0.00	0.001	0					0.03
83.083	0.00	0.00	0.001	0					0.03
83.167	0.00	0.00	0.001	0					0.03
83.250	0.00	0.00	0.001	0					0.03
83.333	0.00	0.00	0.001	0					0.03
83.417	0.00	0.00	0.001	0					0.03
83.500	0.00	0.00	0.001	0					0.03
83.583	0.00	0.00	0.001	0					0.03
83.667	0.00	0.00	0.001	0					0.03
83.750	0.00	0.00	0.001	0					0.02
83.833	0.00	0.00	0.001	0					0.02
83.917	0.00	0.00	0.001	0					0.02
84.000	0.00	0.00	0.001	0					0.02
84.083	0.00	0.00	0.001	0					0.02
84.167	0.00	0.00	0.001	0					0.02
84.250	0.00	0.00	0.001	0					0.02
84.333	0.00	0.00	0.001	0					0.02
84.417	0.00	0.00	0.001	0					0.02
84.500	0.00	0.00	0.001	0					0.02
84.583	0.00	0.00	0.001	0					0.02
84.667	0.00	0.00	0.001	0					0.02
84.750	0.00	0.00	0.001	0					0.02
84.833	0.00	0.00	0.001	0					0.02
84.917	0.00	0.00	0.001	0					0.02
85.000	0.00	0.00	0.001	0					0.02
85.083	0.00	0.00	0.001	0					0.02
85.167	0.00	0.00	0.001	0					0.02
85.250	0.00	0.00	0.001	0					0.02
85.333	0.00	0.00	0.000	0					0.01

85.417	0.00	0.00	0.000	0					0.01
85.500	0.00	0.00	0.000	0					0.01
85.583	0.00	0.00	0.000	0					0.01
85.667	0.00	0.00	0.000	0					0.01
85.750	0.00	0.00	0.000	0					0.01
85.833	0.00	0.00	0.000	0					0.01
85.917	0.00	0.00	0.000	0					0.01
86.000	0.00	0.00	0.000	0					0.01
86.083	0.00	0.00	0.000	0					0.01
86.167	0.00	0.00	0.000	0					0.01
86.250	0.00	0.00	0.000	0					0.01
86.333	0.00	0.00	0.000	0					0.01
86.417	0.00	0.00	0.000	0					0.01
86.500	0.00	0.00	0.000	0					0.01
86.583	0.00	0.00	0.000	0					0.01
86.667	0.00	0.00	0.000	0					0.01
86.750	0.00	0.00	0.000	0					0.01
86.833	0.00	0.00	0.000	0					0.01
86.917	0.00	0.00	0.000	0					0.01
87.000	0.00	0.00	0.000	0					0.01
87.083	0.00	0.00	0.000	0					0.01
87.167	0.00	0.00	0.000	0					0.01
87.250	0.00	0.00	0.000	0					0.01
87.333	0.00	0.00	0.000	0					0.01
87.417	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1049

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.022 (CFS)

Total volume = 0.111 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
5 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da135.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.032 (CFS)
Total volume = 0.082 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.3	0.52	0.77	1.03	Depth (Ft.)
0.083	0.09	0.00	0.000	0 I					0.01
0.167	0.14	0.00	0.001	0 I					0.03
0.250	0.14	0.01	0.002	0 I					0.06
0.333	0.16	0.01	0.003	0 I					0.10
0.417	0.17	0.01	0.004	0 I					0.13
0.500	0.19	0.01	0.005	0 I					0.18
0.583	0.19	0.01	0.007	0 I					0.22
0.667	0.20	0.01	0.008	0 I					0.27
0.750	0.21	0.01	0.009	0 I					0.32
0.833	0.19	0.01	0.010	0 I					0.36
0.917	0.18	0.01	0.012	0 I					0.41
1.000	0.20	0.01	0.013	0 I					0.45
1.083	0.24	0.01	0.014	0 I					0.50
1.167	0.25	0.01	0.016	0 I					0.56
1.250	0.25	0.01	0.017	0 I					0.62
1.333	0.24	0.01	0.019	0 I					0.68
1.417	0.28	0.01	0.021	0 I					0.74
1.500	0.31	0.01	0.023	0 I					0.81
1.583	0.29	0.01	0.025	0 I					0.88
1.667	0.30	0.02	0.027	0 I					0.95
1.750	0.35	0.02	0.029	0 I					1.01
1.833	0.36	0.02	0.031	0 I					1.07
1.917	0.34	0.02	0.033	0 I					1.12
2.000	0.34	0.02	0.036	0 I					1.17

2.083	0.35	0.02	0.038	0		I					1.22
2.167	0.44	0.02	0.041	0			I				1.27
2.250	0.54	0.02	0.044	0				I			1.34
2.333	0.47	0.02	0.047	0			I				1.42
2.417	0.70	0.02	0.051	0				I			1.50
2.500	0.90	0.02	0.056	0					I		1.62
2.583	1.03	0.02	0.063	0						I	1.76
2.667	0.86	0.02	0.069	0					I		1.90
2.750	0.43	0.02	0.074	0			I				1.99
2.833	0.24	0.02	0.076	0		I					2.03
2.917	0.21	0.02	0.077	0	I						2.06
3.000	0.12	0.02	0.078	0	I						2.08
3.083	0.03	0.02	0.078	0							2.09
3.167	0.00	0.02	0.078	0							2.09
3.250	0.00	0.02	0.078	0							2.09
3.333	0.00	0.02	0.078	0							2.08
3.417	0.00	0.02	0.078	0							2.08
3.500	0.00	0.02	0.078	0							2.08
3.583	0.00	0.02	0.078	0							2.07
3.667	0.00	0.02	0.078	0							2.07
3.750	0.00	0.02	0.077	0							2.07
3.833	0.00	0.02	0.077	0							2.07
3.917	0.00	0.02	0.077	0							2.06
4.000	0.00	0.02	0.077	0							2.06
4.083	0.00	0.02	0.077	0							2.06
4.167	0.00	0.02	0.077	0							2.05
4.250	0.00	0.02	0.077	0							2.05
4.333	0.00	0.02	0.076	0							2.05
4.417	0.00	0.02	0.076	0							2.04
4.500	0.00	0.02	0.076	0							2.04
4.583	0.00	0.02	0.076	0							2.04
4.667	0.00	0.02	0.076	0							2.04
4.750	0.00	0.02	0.076	0							2.03
4.833	0.00	0.02	0.076	0							2.03
4.917	0.00	0.02	0.075	0							2.03
5.000	0.00	0.02	0.075	0							2.02
5.083	0.00	0.02	0.075	0							2.02
5.167	0.00	0.02	0.075	0							2.02
5.250	0.00	0.02	0.075	0							2.01
5.333	0.00	0.02	0.075	0							2.01
5.417	0.00	0.02	0.074	0							2.01
5.500	0.00	0.02	0.074	0							2.01
5.583	0.00	0.02	0.074	0							2.00
5.667	0.00	0.02	0.074	0							2.00
5.750	0.00	0.02	0.074	0							2.00
5.833	0.00	0.02	0.074	0							1.99
5.917	0.00	0.02	0.074	0							1.99
6.000	0.00	0.02	0.073	0							1.99
6.083	0.00	0.02	0.073	0							1.98
6.167	0.00	0.02	0.073	0							1.98

6.250	0.00	0.02	0.073	0					1.98
6.333	0.00	0.02	0.073	0					1.97
6.417	0.00	0.02	0.073	0					1.97
6.500	0.00	0.02	0.072	0					1.97
6.583	0.00	0.02	0.072	0					1.96
6.667	0.00	0.02	0.072	0					1.96
6.750	0.00	0.02	0.072	0					1.96
6.833	0.00	0.02	0.072	0					1.95
6.917	0.00	0.02	0.072	0					1.95
7.000	0.00	0.02	0.072	0					1.95
7.083	0.00	0.02	0.071	0					1.94
7.167	0.00	0.02	0.071	0					1.94
7.250	0.00	0.02	0.071	0					1.94
7.333	0.00	0.02	0.071	0					1.93
7.417	0.00	0.02	0.071	0					1.93
7.500	0.00	0.02	0.071	0					1.93
7.583	0.00	0.02	0.071	0					1.93
7.667	0.00	0.02	0.070	0					1.92
7.750	0.00	0.02	0.070	0					1.92
7.833	0.00	0.02	0.070	0					1.92
7.917	0.00	0.02	0.070	0					1.91
8.000	0.00	0.02	0.070	0					1.91
8.083	0.00	0.02	0.070	0					1.91
8.167	0.00	0.02	0.070	0					1.90
8.250	0.00	0.02	0.069	0					1.90
8.333	0.00	0.02	0.069	0					1.90
8.417	0.00	0.02	0.069	0					1.89
8.500	0.00	0.02	0.069	0					1.89
8.583	0.00	0.02	0.069	0					1.89
8.667	0.00	0.02	0.069	0					1.88
8.750	0.00	0.02	0.068	0					1.88
8.833	0.00	0.02	0.068	0					1.88
8.917	0.00	0.02	0.068	0					1.87
9.000	0.00	0.02	0.068	0					1.87
9.083	0.00	0.02	0.068	0					1.87
9.167	0.00	0.02	0.068	0					1.86
9.250	0.00	0.02	0.068	0					1.86
9.333	0.00	0.02	0.067	0					1.86
9.417	0.00	0.02	0.067	0					1.85
9.500	0.00	0.02	0.067	0					1.85
9.583	0.00	0.02	0.067	0					1.85
9.667	0.00	0.02	0.067	0					1.85
9.750	0.00	0.02	0.067	0					1.84
9.833	0.00	0.02	0.067	0					1.84
9.917	0.00	0.02	0.066	0					1.84
10.000	0.00	0.02	0.066	0					1.83
10.083	0.00	0.02	0.066	0					1.83
10.167	0.00	0.02	0.066	0					1.83
10.250	0.00	0.02	0.066	0					1.82
10.333	0.00	0.02	0.066	0					1.82

10.417	0.00	0.02	0.066	0					1.82
10.500	0.00	0.02	0.065	0					1.81
10.583	0.00	0.02	0.065	0					1.81
10.667	0.00	0.02	0.065	0					1.81
10.750	0.00	0.02	0.065	0					1.80
10.833	0.00	0.02	0.065	0					1.80
10.917	0.00	0.02	0.065	0					1.80
11.000	0.00	0.02	0.065	0					1.80
11.083	0.00	0.02	0.064	0					1.79
11.167	0.00	0.02	0.064	0					1.79
11.250	0.00	0.02	0.064	0					1.79
11.333	0.00	0.02	0.064	0					1.78
11.417	0.00	0.02	0.064	0					1.78
11.500	0.00	0.02	0.064	0					1.78
11.583	0.00	0.02	0.064	0					1.77
11.667	0.00	0.02	0.063	0					1.77
11.750	0.00	0.02	0.063	0					1.77
11.833	0.00	0.02	0.063	0					1.76
11.917	0.00	0.02	0.063	0					1.76
12.000	0.00	0.02	0.063	0					1.76
12.083	0.00	0.02	0.063	0					1.76
12.167	0.00	0.02	0.063	0					1.75
12.250	0.00	0.02	0.062	0					1.75
12.333	0.00	0.02	0.062	0					1.75
12.417	0.00	0.02	0.062	0					1.74
12.500	0.00	0.02	0.062	0					1.74
12.583	0.00	0.02	0.062	0					1.74
12.667	0.00	0.02	0.062	0					1.73
12.750	0.00	0.02	0.062	0					1.73
12.833	0.00	0.02	0.061	0					1.73
12.917	0.00	0.02	0.061	0					1.72
13.000	0.00	0.02	0.061	0					1.72
13.083	0.00	0.02	0.061	0					1.72
13.167	0.00	0.02	0.061	0					1.72
13.250	0.00	0.02	0.061	0					1.71
13.333	0.00	0.02	0.061	0					1.71
13.417	0.00	0.02	0.060	0					1.71
13.500	0.00	0.02	0.060	0					1.70
13.583	0.00	0.02	0.060	0					1.70
13.667	0.00	0.02	0.060	0					1.70
13.750	0.00	0.02	0.060	0					1.69
13.833	0.00	0.02	0.060	0					1.69
13.917	0.00	0.02	0.060	0					1.69
14.000	0.00	0.02	0.060	0					1.69
14.083	0.00	0.02	0.059	0					1.68
14.167	0.00	0.02	0.059	0					1.68
14.250	0.00	0.02	0.059	0					1.68
14.333	0.00	0.02	0.059	0					1.67
14.417	0.00	0.02	0.059	0					1.67
14.500	0.00	0.02	0.059	0					1.67

14.583	0.00	0.02	0.059	0					1.66
14.667	0.00	0.02	0.058	0					1.66
14.750	0.00	0.02	0.058	0					1.66
14.833	0.00	0.02	0.058	0					1.66
14.917	0.00	0.02	0.058	0					1.65
15.000	0.00	0.02	0.058	0					1.65
15.083	0.00	0.02	0.058	0					1.65
15.167	0.00	0.02	0.058	0					1.64
15.250	0.00	0.02	0.057	0					1.64
15.333	0.00	0.02	0.057	0					1.64
15.417	0.00	0.02	0.057	0					1.63
15.500	0.00	0.02	0.057	0					1.63
15.583	0.00	0.02	0.057	0					1.63
15.667	0.00	0.02	0.057	0					1.63
15.750	0.00	0.02	0.057	0					1.62
15.833	0.00	0.02	0.056	0					1.62
15.917	0.00	0.02	0.056	0					1.62
16.000	0.00	0.02	0.056	0					1.61
16.083	0.00	0.02	0.056	0					1.61
16.167	0.00	0.02	0.056	0					1.61
16.250	0.00	0.02	0.056	0					1.60
16.333	0.00	0.02	0.056	0					1.60
16.417	0.00	0.02	0.056	0					1.60
16.500	0.00	0.02	0.055	0					1.60
16.583	0.00	0.02	0.055	0					1.59
16.667	0.00	0.02	0.055	0					1.59
16.750	0.00	0.02	0.055	0					1.59
16.833	0.00	0.02	0.055	0					1.58
16.917	0.00	0.02	0.055	0					1.58
17.000	0.00	0.02	0.055	0					1.58
17.083	0.00	0.02	0.054	0					1.58
17.167	0.00	0.02	0.054	0					1.57
17.250	0.00	0.02	0.054	0					1.57
17.333	0.00	0.02	0.054	0					1.57
17.417	0.00	0.02	0.054	0					1.56
17.500	0.00	0.02	0.054	0					1.56
17.583	0.00	0.02	0.054	0					1.56
17.667	0.00	0.02	0.054	0					1.56
17.750	0.00	0.02	0.053	0					1.55
17.833	0.00	0.02	0.053	0					1.55
17.917	0.00	0.02	0.053	0					1.55
18.000	0.00	0.02	0.053	0					1.54
18.083	0.00	0.02	0.053	0					1.54
18.167	0.00	0.02	0.053	0					1.54
18.250	0.00	0.02	0.053	0					1.53
18.333	0.00	0.02	0.052	0					1.53
18.417	0.00	0.02	0.052	0					1.53
18.500	0.00	0.02	0.052	0					1.53
18.583	0.00	0.02	0.052	0					1.52
18.667	0.00	0.02	0.052	0					1.52

18.750	0.00	0.02	0.052	0					1.52
18.833	0.00	0.02	0.052	0					1.51
18.917	0.00	0.02	0.052	0					1.51
19.000	0.00	0.02	0.051	0					1.51
19.083	0.00	0.02	0.051	0					1.51
19.167	0.00	0.02	0.051	0					1.50
19.250	0.00	0.02	0.051	0					1.50
19.333	0.00	0.02	0.051	0					1.50
19.417	0.00	0.02	0.051	0					1.49
19.500	0.00	0.02	0.051	0					1.49
19.583	0.00	0.02	0.051	0					1.49
19.667	0.00	0.02	0.050	0					1.49
19.750	0.00	0.02	0.050	0					1.48
19.833	0.00	0.02	0.050	0					1.48
19.917	0.00	0.02	0.050	0					1.48
20.000	0.00	0.02	0.050	0					1.48
20.083	0.00	0.02	0.050	0					1.47
20.167	0.00	0.02	0.050	0					1.47
20.250	0.00	0.02	0.049	0					1.47
20.333	0.00	0.02	0.049	0					1.46
20.417	0.00	0.02	0.049	0					1.46
20.500	0.00	0.02	0.049	0					1.46
20.583	0.00	0.02	0.049	0					1.46
20.667	0.00	0.02	0.049	0					1.45
20.750	0.00	0.02	0.049	0					1.45
20.833	0.00	0.02	0.049	0					1.45
20.917	0.00	0.02	0.048	0					1.44
21.000	0.00	0.02	0.048	0					1.44
21.083	0.00	0.02	0.048	0					1.44
21.167	0.00	0.02	0.048	0					1.44
21.250	0.00	0.02	0.048	0					1.43
21.333	0.00	0.02	0.048	0					1.43
21.417	0.00	0.02	0.048	0					1.43
21.500	0.00	0.02	0.048	0					1.42
21.583	0.00	0.02	0.047	0					1.42
21.667	0.00	0.02	0.047	0					1.42
21.750	0.00	0.02	0.047	0					1.42
21.833	0.00	0.02	0.047	0					1.41
21.917	0.00	0.02	0.047	0					1.41
22.000	0.00	0.02	0.047	0					1.41
22.083	0.00	0.02	0.047	0					1.41
22.167	0.00	0.02	0.047	0					1.40
22.250	0.00	0.02	0.046	0					1.40
22.333	0.00	0.02	0.046	0					1.40
22.417	0.00	0.02	0.046	0					1.39
22.500	0.00	0.02	0.046	0					1.39
22.583	0.00	0.02	0.046	0					1.39
22.667	0.00	0.02	0.046	0					1.39
22.750	0.00	0.02	0.046	0					1.38
22.833	0.00	0.02	0.046	0					1.38

22.917	0.00	0.02	0.045	0					1.38
23.000	0.00	0.02	0.045	0					1.38
23.083	0.00	0.02	0.045	0					1.37
23.167	0.00	0.02	0.045	0					1.37
23.250	0.00	0.02	0.045	0					1.37
23.333	0.00	0.02	0.045	0					1.36
23.417	0.00	0.02	0.045	0					1.36
23.500	0.00	0.02	0.045	0					1.36
23.583	0.00	0.02	0.044	0					1.36
23.667	0.00	0.02	0.044	0					1.35
23.750	0.00	0.02	0.044	0					1.35
23.833	0.00	0.02	0.044	0					1.35
23.917	0.00	0.02	0.044	0					1.35
24.000	0.00	0.02	0.044	0					1.34
24.083	0.00	0.02	0.044	0					1.34
24.167	0.00	0.02	0.044	0					1.34
24.250	0.00	0.02	0.043	0					1.33
24.333	0.00	0.02	0.043	0					1.33
24.417	0.00	0.02	0.043	0					1.33
24.500	0.00	0.02	0.043	0					1.33
24.583	0.00	0.02	0.043	0					1.32
24.667	0.00	0.02	0.043	0					1.32
24.750	0.00	0.02	0.043	0					1.32
24.833	0.00	0.02	0.043	0					1.32
24.917	0.00	0.02	0.042	0					1.31
25.000	0.00	0.02	0.042	0					1.31
25.083	0.00	0.02	0.042	0					1.31
25.167	0.00	0.02	0.042	0					1.30
25.250	0.00	0.02	0.042	0					1.30
25.333	0.00	0.02	0.042	0					1.30
25.417	0.00	0.02	0.042	0					1.30
25.500	0.00	0.02	0.042	0					1.29
25.583	0.00	0.02	0.041	0					1.29
25.667	0.00	0.02	0.041	0					1.29
25.750	0.00	0.02	0.041	0					1.29
25.833	0.00	0.02	0.041	0					1.28
25.917	0.00	0.02	0.041	0					1.28
26.000	0.00	0.02	0.041	0					1.28
26.083	0.00	0.02	0.041	0					1.28
26.167	0.00	0.02	0.041	0					1.27
26.250	0.00	0.02	0.040	0					1.27
26.333	0.00	0.02	0.040	0					1.27
26.417	0.00	0.02	0.040	0					1.27
26.500	0.00	0.02	0.040	0					1.26
26.583	0.00	0.02	0.040	0					1.26
26.667	0.00	0.02	0.040	0					1.26
26.750	0.00	0.02	0.040	0					1.25
26.833	0.00	0.02	0.040	0					1.25
26.917	0.00	0.02	0.039	0					1.25
27.000	0.00	0.02	0.039	0					1.25

27.083	0.00	0.02	0.039	0					1.24
27.167	0.00	0.02	0.039	0					1.24
27.250	0.00	0.02	0.039	0					1.24
27.333	0.00	0.02	0.039	0					1.24
27.417	0.00	0.02	0.039	0					1.23
27.500	0.00	0.02	0.039	0					1.23
27.583	0.00	0.02	0.039	0					1.23
27.667	0.00	0.02	0.038	0					1.23
27.750	0.00	0.02	0.038	0					1.22
27.833	0.00	0.02	0.038	0					1.22
27.917	0.00	0.02	0.038	0					1.22
28.000	0.00	0.02	0.038	0					1.22
28.083	0.00	0.02	0.038	0					1.21
28.167	0.00	0.02	0.038	0					1.21
28.250	0.00	0.02	0.038	0					1.21
28.333	0.00	0.02	0.037	0					1.21
28.417	0.00	0.02	0.037	0					1.20
28.500	0.00	0.02	0.037	0					1.20
28.583	0.00	0.02	0.037	0					1.20
28.667	0.00	0.02	0.037	0					1.19
28.750	0.00	0.02	0.037	0					1.19
28.833	0.00	0.02	0.037	0					1.19
28.917	0.00	0.02	0.037	0					1.19
29.000	0.00	0.02	0.036	0					1.18
29.083	0.00	0.02	0.036	0					1.18
29.167	0.00	0.02	0.036	0					1.18
29.250	0.00	0.02	0.036	0					1.18
29.333	0.00	0.02	0.036	0					1.17
29.417	0.00	0.02	0.036	0					1.17
29.500	0.00	0.02	0.036	0					1.17
29.583	0.00	0.02	0.036	0					1.17
29.667	0.00	0.02	0.036	0					1.16
29.750	0.00	0.02	0.035	0					1.16
29.833	0.00	0.02	0.035	0					1.16
29.917	0.00	0.02	0.035	0					1.16
30.000	0.00	0.02	0.035	0					1.15
30.083	0.00	0.02	0.035	0					1.15
30.167	0.00	0.02	0.035	0					1.15
30.250	0.00	0.02	0.035	0					1.15
30.333	0.00	0.02	0.035	0					1.14
30.417	0.00	0.02	0.035	0					1.14
30.500	0.00	0.02	0.034	0					1.14
30.583	0.00	0.02	0.034	0					1.14
30.667	0.00	0.02	0.034	0					1.13
30.750	0.00	0.02	0.034	0					1.13
30.833	0.00	0.02	0.034	0					1.13
30.917	0.00	0.02	0.034	0					1.13
31.000	0.00	0.02	0.034	0					1.12
31.083	0.00	0.02	0.034	0					1.12
31.167	0.00	0.02	0.033	0					1.12

31.250	0.00	0.02	0.033	0					1.12
31.333	0.00	0.02	0.033	0					1.11
31.417	0.00	0.02	0.033	0					1.11
31.500	0.00	0.02	0.033	0					1.11
31.583	0.00	0.02	0.033	0					1.11
31.667	0.00	0.02	0.033	0					1.10
31.750	0.00	0.02	0.033	0					1.10
31.833	0.00	0.02	0.033	0					1.10
31.917	0.00	0.02	0.032	0					1.10
32.000	0.00	0.02	0.032	0					1.09
32.083	0.00	0.02	0.032	0					1.09
32.167	0.00	0.02	0.032	0					1.09
32.250	0.00	0.02	0.032	0					1.09
32.333	0.00	0.02	0.032	0					1.08
32.417	0.00	0.02	0.032	0					1.08
32.500	0.00	0.02	0.032	0					1.08
32.583	0.00	0.02	0.032	0					1.08
32.667	0.00	0.02	0.031	0					1.07
32.750	0.00	0.02	0.031	0					1.07
32.833	0.00	0.02	0.031	0					1.07
32.917	0.00	0.02	0.031	0					1.07
33.000	0.00	0.02	0.031	0					1.06
33.083	0.00	0.02	0.031	0					1.06
33.167	0.00	0.02	0.031	0					1.06
33.250	0.00	0.02	0.031	0					1.06
33.333	0.00	0.02	0.031	0					1.05
33.417	0.00	0.02	0.030	0					1.05
33.500	0.00	0.02	0.030	0					1.05
33.583	0.00	0.02	0.030	0					1.05
33.667	0.00	0.02	0.030	0					1.04
33.750	0.00	0.02	0.030	0					1.04
33.833	0.00	0.02	0.030	0					1.04
33.917	0.00	0.02	0.030	0					1.04
34.000	0.00	0.02	0.030	0					1.04
34.083	0.00	0.02	0.029	0					1.03
34.167	0.00	0.02	0.029	0					1.03
34.250	0.00	0.02	0.029	0					1.03
34.333	0.00	0.02	0.029	0					1.03
34.417	0.00	0.02	0.029	0					1.02
34.500	0.00	0.02	0.029	0					1.02
34.583	0.00	0.02	0.029	0					1.02
34.667	0.00	0.02	0.029	0					1.02
34.750	0.00	0.02	0.029	0					1.01
34.833	0.00	0.02	0.028	0					1.01
34.917	0.00	0.02	0.028	0					1.01
35.000	0.00	0.02	0.028	0					1.01
35.083	0.00	0.02	0.028	0					1.00
35.167	0.00	0.02	0.028	0					1.00
35.250	0.00	0.02	0.028	0					1.00
35.333	0.00	0.02	0.028	0					0.99

35.417	0.00	0.02	0.028	0					0.99
35.500	0.00	0.02	0.028	0					0.99
35.583	0.00	0.02	0.028	0					0.98
35.667	0.00	0.02	0.027	0					0.98
35.750	0.00	0.02	0.027	0					0.97
35.833	0.00	0.02	0.027	0					0.97
35.917	0.00	0.02	0.027	0					0.97
36.000	0.00	0.02	0.027	0					0.96
36.083	0.00	0.02	0.027	0					0.96
36.167	0.00	0.02	0.027	0					0.95
36.250	0.00	0.02	0.027	0					0.95
36.333	0.00	0.02	0.027	0					0.95
36.417	0.00	0.02	0.026	0					0.94
36.500	0.00	0.02	0.026	0					0.94
36.583	0.00	0.02	0.026	0					0.94
36.667	0.00	0.02	0.026	0					0.93
36.750	0.00	0.02	0.026	0					0.93
36.833	0.00	0.02	0.026	0					0.92
36.917	0.00	0.02	0.026	0					0.92
37.000	0.00	0.02	0.026	0					0.92
37.083	0.00	0.02	0.026	0					0.91
37.167	0.00	0.02	0.025	0					0.91
37.250	0.00	0.02	0.025	0					0.90
37.333	0.00	0.02	0.025	0					0.90
37.417	0.00	0.02	0.025	0					0.90
37.500	0.00	0.02	0.025	0					0.89
37.583	0.00	0.02	0.025	0					0.89
37.667	0.00	0.02	0.025	0					0.89
37.750	0.00	0.01	0.025	0					0.88
37.833	0.00	0.01	0.025	0					0.88
37.917	0.00	0.01	0.025	0					0.87
38.000	0.00	0.01	0.024	0					0.87
38.083	0.00	0.01	0.024	0					0.87
38.167	0.00	0.01	0.024	0					0.86
38.250	0.00	0.01	0.024	0					0.86
38.333	0.00	0.01	0.024	0					0.86
38.417	0.00	0.01	0.024	0					0.85
38.500	0.00	0.01	0.024	0					0.85
38.583	0.00	0.01	0.024	0					0.85
38.667	0.00	0.01	0.024	0					0.84
38.750	0.00	0.01	0.024	0					0.84
38.833	0.00	0.01	0.023	0					0.83
38.917	0.00	0.01	0.023	0					0.83
39.000	0.00	0.01	0.023	0					0.83
39.083	0.00	0.01	0.023	0					0.82
39.167	0.00	0.01	0.023	0					0.82
39.250	0.00	0.01	0.023	0					0.82
39.333	0.00	0.01	0.023	0					0.81
39.417	0.00	0.01	0.023	0					0.81
39.500	0.00	0.01	0.023	0					0.81

39.583	0.00	0.01	0.023	0					0.80
39.667	0.00	0.01	0.022	0					0.80
39.750	0.00	0.01	0.022	0					0.80
39.833	0.00	0.01	0.022	0					0.79
39.917	0.00	0.01	0.022	0					0.79
40.000	0.00	0.01	0.022	0					0.78
40.083	0.00	0.01	0.022	0					0.78
40.167	0.00	0.01	0.022	0					0.78
40.250	0.00	0.01	0.022	0					0.77
40.333	0.00	0.01	0.022	0					0.77
40.417	0.00	0.01	0.022	0					0.77
40.500	0.00	0.01	0.021	0					0.76
40.583	0.00	0.01	0.021	0					0.76
40.667	0.00	0.01	0.021	0					0.76
40.750	0.00	0.01	0.021	0					0.75
40.833	0.00	0.01	0.021	0					0.75
40.917	0.00	0.01	0.021	0					0.75
41.000	0.00	0.01	0.021	0					0.74
41.083	0.00	0.01	0.021	0					0.74
41.167	0.00	0.01	0.021	0					0.74
41.250	0.00	0.01	0.021	0					0.73
41.333	0.00	0.01	0.021	0					0.73
41.417	0.00	0.01	0.020	0					0.73
41.500	0.00	0.01	0.020	0					0.72
41.583	0.00	0.01	0.020	0					0.72
41.667	0.00	0.01	0.020	0					0.72
41.750	0.00	0.01	0.020	0					0.71
41.833	0.00	0.01	0.020	0					0.71
41.917	0.00	0.01	0.020	0					0.71
42.000	0.00	0.01	0.020	0					0.70
42.083	0.00	0.01	0.020	0					0.70
42.167	0.00	0.01	0.020	0					0.70
42.250	0.00	0.01	0.019	0					0.69
42.333	0.00	0.01	0.019	0					0.69
42.417	0.00	0.01	0.019	0					0.69
42.500	0.00	0.01	0.019	0					0.68
42.583	0.00	0.01	0.019	0					0.68
42.667	0.00	0.01	0.019	0					0.68
42.750	0.00	0.01	0.019	0					0.67
42.833	0.00	0.01	0.019	0					0.67
42.917	0.00	0.01	0.019	0					0.67
43.000	0.00	0.01	0.019	0					0.66
43.083	0.00	0.01	0.019	0					0.66
43.167	0.00	0.01	0.018	0					0.66
43.250	0.00	0.01	0.018	0					0.65
43.333	0.00	0.01	0.018	0					0.65
43.417	0.00	0.01	0.018	0					0.65
43.500	0.00	0.01	0.018	0					0.64
43.583	0.00	0.01	0.018	0					0.64
43.667	0.00	0.01	0.018	0					0.64

43.750	0.00	0.01	0.018	0					0.63
43.833	0.00	0.01	0.018	0					0.63
43.917	0.00	0.01	0.018	0					0.63
44.000	0.00	0.01	0.018	0					0.62
44.083	0.00	0.01	0.017	0					0.62
44.167	0.00	0.01	0.017	0					0.62
44.250	0.00	0.01	0.017	0					0.61
44.333	0.00	0.01	0.017	0					0.61
44.417	0.00	0.01	0.017	0					0.61
44.500	0.00	0.01	0.017	0					0.60
44.583	0.00	0.01	0.017	0					0.60
44.667	0.00	0.01	0.017	0					0.60
44.750	0.00	0.01	0.017	0					0.60
44.833	0.00	0.01	0.017	0					0.59
44.917	0.00	0.01	0.017	0					0.59
45.000	0.00	0.01	0.017	0					0.59
45.083	0.00	0.01	0.016	0					0.58
45.167	0.00	0.01	0.016	0					0.58
45.250	0.00	0.01	0.016	0					0.58
45.333	0.00	0.01	0.016	0					0.57
45.417	0.00	0.01	0.016	0					0.57
45.500	0.00	0.01	0.016	0					0.57
45.583	0.00	0.01	0.016	0					0.56
45.667	0.00	0.01	0.016	0					0.56
45.750	0.00	0.01	0.016	0					0.56
45.833	0.00	0.01	0.016	0					0.55
45.917	0.00	0.01	0.016	0					0.55
46.000	0.00	0.01	0.016	0					0.55
46.083	0.00	0.01	0.015	0					0.55
46.167	0.00	0.01	0.015	0					0.54
46.250	0.00	0.01	0.015	0					0.54
46.333	0.00	0.01	0.015	0					0.54
46.417	0.00	0.01	0.015	0					0.53
46.500	0.00	0.01	0.015	0					0.53
46.583	0.00	0.01	0.015	0					0.53
46.667	0.00	0.01	0.015	0					0.52
46.750	0.00	0.01	0.015	0					0.52
46.833	0.00	0.01	0.015	0					0.52
46.917	0.00	0.01	0.015	0					0.52
47.000	0.00	0.01	0.015	0					0.51
47.083	0.00	0.01	0.014	0					0.51
47.167	0.00	0.01	0.014	0					0.51
47.250	0.00	0.01	0.014	0					0.50
47.333	0.00	0.01	0.014	0					0.50
47.417	0.00	0.01	0.014	0					0.50
47.500	0.00	0.01	0.014	0					0.50
47.583	0.00	0.01	0.014	0					0.49
47.667	0.00	0.01	0.014	0					0.49
47.750	0.00	0.01	0.014	0					0.49
47.833	0.00	0.01	0.014	0					0.48

47.917	0.00	0.01	0.014	0					0.48
48.000	0.00	0.01	0.014	0					0.48
48.083	0.00	0.01	0.013	0					0.48
48.167	0.00	0.01	0.013	0					0.47
48.250	0.00	0.01	0.013	0					0.47
48.333	0.00	0.01	0.013	0					0.47
48.417	0.00	0.01	0.013	0					0.46
48.500	0.00	0.01	0.013	0					0.46
48.583	0.00	0.01	0.013	0					0.46
48.667	0.00	0.01	0.013	0					0.46
48.750	0.00	0.01	0.013	0					0.45
48.833	0.00	0.01	0.013	0					0.45
48.917	0.00	0.01	0.013	0					0.45
49.000	0.00	0.01	0.013	0					0.44
49.083	0.00	0.01	0.013	0					0.44
49.167	0.00	0.01	0.012	0					0.44
49.250	0.00	0.01	0.012	0					0.44
49.333	0.00	0.01	0.012	0					0.43
49.417	0.00	0.01	0.012	0					0.43
49.500	0.00	0.01	0.012	0					0.43
49.583	0.00	0.01	0.012	0					0.42
49.667	0.00	0.01	0.012	0					0.42
49.750	0.00	0.01	0.012	0					0.42
49.833	0.00	0.01	0.012	0					0.42
49.917	0.00	0.01	0.012	0					0.41
50.000	0.00	0.01	0.012	0					0.41
50.083	0.00	0.01	0.012	0					0.41
50.167	0.00	0.01	0.012	0					0.41
50.250	0.00	0.01	0.011	0					0.40
50.333	0.00	0.01	0.011	0					0.40
50.417	0.00	0.01	0.011	0					0.40
50.500	0.00	0.01	0.011	0					0.39
50.583	0.00	0.01	0.011	0					0.39
50.667	0.00	0.01	0.011	0					0.39
50.750	0.00	0.01	0.011	0					0.39
50.833	0.00	0.01	0.011	0					0.38
50.917	0.00	0.01	0.011	0					0.38
51.000	0.00	0.01	0.011	0					0.38
51.083	0.00	0.01	0.011	0					0.38
51.167	0.00	0.01	0.011	0					0.37
51.250	0.00	0.01	0.011	0					0.37
51.333	0.00	0.01	0.011	0					0.37
51.417	0.00	0.01	0.010	0					0.37
51.500	0.00	0.01	0.010	0					0.36
51.583	0.00	0.01	0.010	0					0.36
51.667	0.00	0.01	0.010	0					0.36
51.750	0.00	0.01	0.010	0					0.35
51.833	0.00	0.01	0.010	0					0.35
51.917	0.00	0.01	0.010	0					0.35
52.000	0.00	0.01	0.010	0					0.35

52.083	0.00	0.01	0.010	0					0.34
52.167	0.00	0.01	0.010	0					0.34
52.250	0.00	0.01	0.010	0					0.34
52.333	0.00	0.01	0.010	0					0.34
52.417	0.00	0.01	0.010	0					0.33
52.500	0.00	0.01	0.010	0					0.33
52.583	0.00	0.01	0.009	0					0.33
52.667	0.00	0.01	0.009	0					0.33
52.750	0.00	0.01	0.009	0					0.32
52.833	0.00	0.01	0.009	0					0.32
52.917	0.00	0.01	0.009	0					0.32
53.000	0.00	0.01	0.009	0					0.32
53.083	0.00	0.01	0.009	0					0.31
53.167	0.00	0.01	0.009	0					0.31
53.250	0.00	0.01	0.009	0					0.31
53.333	0.00	0.01	0.009	0					0.31
53.417	0.00	0.01	0.009	0					0.30
53.500	0.00	0.01	0.009	0					0.30
53.583	0.00	0.01	0.009	0					0.30
53.667	0.00	0.01	0.009	0					0.30
53.750	0.00	0.01	0.008	0					0.29
53.833	0.00	0.01	0.008	0					0.29
53.917	0.00	0.01	0.008	0					0.29
54.000	0.00	0.01	0.008	0					0.29
54.083	0.00	0.01	0.008	0					0.28
54.167	0.00	0.01	0.008	0					0.28
54.250	0.00	0.01	0.008	0					0.28
54.333	0.00	0.01	0.008	0					0.28
54.417	0.00	0.01	0.008	0					0.27
54.500	0.00	0.01	0.008	0					0.27
54.583	0.00	0.01	0.008	0					0.27
54.667	0.00	0.01	0.008	0					0.27
54.750	0.00	0.01	0.008	0					0.26
54.833	0.00	0.01	0.008	0					0.26
54.917	0.00	0.01	0.008	0					0.26
55.000	0.00	0.01	0.007	0					0.26
55.083	0.00	0.01	0.007	0					0.25
55.167	0.00	0.01	0.007	0					0.25
55.250	0.00	0.01	0.007	0					0.25
55.333	0.00	0.01	0.007	0					0.25
55.417	0.00	0.01	0.007	0					0.24
55.500	0.00	0.01	0.007	0					0.24
55.583	0.00	0.01	0.007	0					0.24
55.667	0.00	0.01	0.007	0					0.24
55.750	0.00	0.01	0.007	0					0.24
55.833	0.00	0.01	0.007	0					0.23
55.917	0.00	0.01	0.007	0					0.23
56.000	0.00	0.01	0.007	0					0.23
56.083	0.00	0.01	0.007	0					0.23
56.167	0.00	0.01	0.007	0					0.22

56.250	0.00	0.01	0.006	0					0.22
56.333	0.00	0.01	0.006	0					0.22
56.417	0.00	0.01	0.006	0					0.22
56.500	0.00	0.01	0.006	0					0.21
56.583	0.00	0.01	0.006	0					0.21
56.667	0.00	0.01	0.006	0					0.21
56.750	0.00	0.01	0.006	0					0.21
56.833	0.00	0.01	0.006	0					0.20
56.917	0.00	0.01	0.006	0					0.20
57.000	0.00	0.01	0.006	0					0.20
57.083	0.00	0.01	0.006	0					0.20
57.167	0.00	0.01	0.006	0					0.20
57.250	0.00	0.01	0.006	0					0.19
57.333	0.00	0.01	0.006	0					0.19
57.417	0.00	0.01	0.006	0					0.19
57.500	0.00	0.01	0.006	0					0.19
57.583	0.00	0.01	0.005	0					0.18
57.667	0.00	0.01	0.005	0					0.18
57.750	0.00	0.01	0.005	0					0.18
57.833	0.00	0.01	0.005	0					0.18
57.917	0.00	0.01	0.005	0					0.18
58.000	0.00	0.01	0.005	0					0.17
58.083	0.00	0.01	0.005	0					0.17
58.167	0.00	0.01	0.005	0					0.17
58.250	0.00	0.01	0.005	0					0.17
58.333	0.00	0.01	0.005	0					0.16
58.417	0.00	0.01	0.005	0					0.16
58.500	0.00	0.01	0.005	0					0.16
58.583	0.00	0.01	0.005	0					0.16
58.667	0.00	0.01	0.005	0					0.16
58.750	0.00	0.01	0.005	0					0.15
58.833	0.00	0.01	0.005	0					0.15
58.917	0.00	0.01	0.004	0					0.15
59.000	0.00	0.01	0.004	0					0.15
59.083	0.00	0.01	0.004	0					0.14
59.167	0.00	0.01	0.004	0					0.14
59.250	0.00	0.01	0.004	0					0.14
59.333	0.00	0.01	0.004	0					0.14
59.417	0.00	0.01	0.004	0					0.14
59.500	0.00	0.01	0.004	0					0.13
59.583	0.00	0.01	0.004	0					0.13
59.667	0.00	0.01	0.004	0					0.13
59.750	0.00	0.01	0.004	0					0.13
59.833	0.00	0.01	0.004	0					0.13
59.917	0.00	0.01	0.004	0					0.12
60.000	0.00	0.01	0.004	0					0.12
60.083	0.00	0.01	0.004	0					0.12
60.167	0.00	0.01	0.004	0					0.12
60.250	0.00	0.01	0.004	0					0.11
60.333	0.00	0.01	0.003	0					0.11

60.417	0.00	0.01	0.003	0					0.11
60.500	0.00	0.01	0.003	0					0.11
60.583	0.00	0.01	0.003	0					0.11
60.667	0.00	0.01	0.003	0					0.10
60.750	0.00	0.01	0.003	0					0.10
60.833	0.00	0.01	0.003	0					0.10
60.917	0.00	0.01	0.003	0					0.10
61.000	0.00	0.01	0.003	0					0.10
61.083	0.00	0.01	0.003	0					0.09
61.167	0.00	0.01	0.003	0					0.09
61.250	0.00	0.01	0.003	0					0.09
61.333	0.00	0.01	0.003	0					0.09
61.417	0.00	0.01	0.003	0					0.09
61.500	0.00	0.01	0.003	0					0.08
61.583	0.00	0.01	0.003	0					0.08
61.667	0.00	0.01	0.003	0					0.08
61.750	0.00	0.01	0.002	0					0.08
61.833	0.00	0.01	0.002	0					0.08
61.917	0.00	0.01	0.002	0					0.07
62.000	0.00	0.01	0.002	0					0.07
62.083	0.00	0.01	0.002	0					0.07
62.167	0.00	0.01	0.002	0					0.07
62.250	0.00	0.01	0.002	0					0.07
62.333	0.00	0.01	0.002	0					0.06
62.417	0.00	0.01	0.002	0					0.06
62.500	0.00	0.01	0.002	0					0.06
62.583	0.00	0.01	0.002	0					0.06
62.667	0.00	0.01	0.002	0					0.06
62.750	0.00	0.01	0.002	0					0.05
62.833	0.00	0.01	0.002	0					0.05
62.917	0.00	0.01	0.002	0					0.05
63.000	0.00	0.01	0.002	0					0.05
63.083	0.00	0.01	0.002	0					0.05
63.167	0.00	0.01	0.002	0					0.05
63.250	0.00	0.01	0.002	0					0.05
63.333	0.00	0.01	0.002	0					0.05
63.417	0.00	0.01	0.001	0					0.04
63.500	0.00	0.01	0.001	0					0.04
63.583	0.00	0.01	0.001	0					0.04
63.667	0.00	0.01	0.001	0					0.04
63.750	0.00	0.01	0.001	0					0.04
63.833	0.00	0.01	0.001	0					0.04
63.917	0.00	0.00	0.001	0					0.04
64.000	0.00	0.00	0.001	0					0.04
64.083	0.00	0.00	0.001	0					0.04
64.167	0.00	0.00	0.001	0					0.03
64.250	0.00	0.00	0.001	0					0.03
64.333	0.00	0.00	0.001	0					0.03
64.417	0.00	0.00	0.001	0					0.03
64.500	0.00	0.00	0.001	0					0.03

64.583	0.00	0.00	0.001	0					0.03
64.667	0.00	0.00	0.001	0					0.03
64.750	0.00	0.00	0.001	0					0.03
64.833	0.00	0.00	0.001	0					0.03
64.917	0.00	0.00	0.001	0					0.03
65.000	0.00	0.00	0.001	0					0.03
65.083	0.00	0.00	0.001	0					0.03
65.167	0.00	0.00	0.001	0					0.02
65.250	0.00	0.00	0.001	0					0.02
65.333	0.00	0.00	0.001	0					0.02
65.417	0.00	0.00	0.001	0					0.02
65.500	0.00	0.00	0.001	0					0.02
65.583	0.00	0.00	0.001	0					0.02
65.667	0.00	0.00	0.001	0					0.02
65.750	0.00	0.00	0.001	0					0.02
65.833	0.00	0.00	0.001	0					0.02
65.917	0.00	0.00	0.001	0					0.02
66.000	0.00	0.00	0.001	0					0.02
66.083	0.00	0.00	0.001	0					0.02
66.167	0.00	0.00	0.001	0					0.02
66.250	0.00	0.00	0.001	0					0.02
66.333	0.00	0.00	0.001	0					0.02
66.417	0.00	0.00	0.001	0					0.02
66.500	0.00	0.00	0.001	0					0.02
66.583	0.00	0.00	0.001	0					0.02
66.667	0.00	0.00	0.000	0					0.01
66.750	0.00	0.00	0.000	0					0.01
66.833	0.00	0.00	0.000	0					0.01
66.917	0.00	0.00	0.000	0					0.01
67.000	0.00	0.00	0.000	0					0.01
67.083	0.00	0.00	0.000	0					0.01
67.167	0.00	0.00	0.000	0					0.01
67.250	0.00	0.00	0.000	0					0.01
67.333	0.00	0.00	0.000	0					0.01
67.417	0.00	0.00	0.000	0					0.01
67.500	0.00	0.00	0.000	0					0.01
67.583	0.00	0.00	0.000	0					0.01
67.667	0.00	0.00	0.000	0					0.01
67.750	0.00	0.00	0.000	0					0.01
67.833	0.00	0.00	0.000	0					0.01
67.917	0.00	0.00	0.000	0					0.01
68.000	0.00	0.00	0.000	0					0.01
68.083	0.00	0.00	0.000	0					0.01
68.167	0.00	0.00	0.000	0					0.01
68.250	0.00	0.00	0.000	0					0.01
68.333	0.00	0.00	0.000	0					0.01
68.417	0.00	0.00	0.000	0					0.01
68.500	0.00	0.00	0.000	0					0.01
68.583	0.00	0.00	0.000	0					0.01
68.667	0.00	0.00	0.000	0					0.01

68.750	0.00	0.00	0.000	0					0.01
68.833	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 826

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.022 (CFS)

Total volume = 0.082 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
5 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da115.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.918 (CFS)
Total volume = 0.052 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.96	1.44	1.92	Depth (Ft.)
0.083	0.18	0.00	0.001	0 I					0.02
0.167	0.28	0.01	0.002	0 I					0.07
0.250	0.33	0.01	0.004	0 I					0.14
0.333	0.34	0.01	0.006	0 I					0.22
0.417	0.38	0.01	0.009	0 I					0.31
0.500	0.43	0.01	0.012	0 I					0.41
0.583	0.49	0.01	0.015	0 I					0.52
0.667	0.57	0.01	0.018	0 I					0.65
0.750	0.82	0.01	0.023	0 I	I				0.82
0.833	1.92	0.02	0.032	0 I				I	1.09
0.917	1.19	0.02	0.043	0 I		I			1.32
1.000	0.47	0.02	0.048	0 I	I				1.44
1.083	0.14	0.02	0.050	0 I					1.49
1.167	0.01	0.02	0.051	0 I					1.50
1.250	0.00	0.02	0.051	0 I					1.49
1.333	0.00	0.02	0.051	0 I					1.49
1.417	0.00	0.02	0.050	0 I					1.49
1.500	0.00	0.02	0.050	0 I					1.48
1.583	0.00	0.02	0.050	0 I					1.48
1.667	0.00	0.02	0.050	0 I					1.48
1.750	0.00	0.02	0.050	0 I					1.48
1.833	0.00	0.02	0.050	0 I					1.47
1.917	0.00	0.02	0.050	0 I					1.47
2.000	0.00	0.02	0.050	0 I					1.47

2.083	0.00	0.02	0.049	0					1.46
2.167	0.00	0.02	0.049	0					1.46
2.250	0.00	0.02	0.049	0					1.46
2.333	0.00	0.02	0.049	0					1.46
2.417	0.00	0.02	0.049	0					1.45
2.500	0.00	0.02	0.049	0					1.45
2.583	0.00	0.02	0.049	0					1.45
2.667	0.00	0.02	0.048	0					1.45
2.750	0.00	0.02	0.048	0					1.44
2.833	0.00	0.02	0.048	0					1.44
2.917	0.00	0.02	0.048	0					1.44
3.000	0.00	0.02	0.048	0					1.43
3.083	0.00	0.02	0.048	0					1.43
3.167	0.00	0.02	0.048	0					1.43
3.250	0.00	0.02	0.048	0					1.43
3.333	0.00	0.02	0.047	0					1.42
3.417	0.00	0.02	0.047	0					1.42
3.500	0.00	0.02	0.047	0					1.42
3.583	0.00	0.02	0.047	0					1.41
3.667	0.00	0.02	0.047	0					1.41
3.750	0.00	0.02	0.047	0					1.41
3.833	0.00	0.02	0.047	0					1.41
3.917	0.00	0.02	0.047	0					1.40
4.000	0.00	0.02	0.046	0					1.40
4.083	0.00	0.02	0.046	0					1.40
4.167	0.00	0.02	0.046	0					1.40
4.250	0.00	0.02	0.046	0					1.39
4.333	0.00	0.02	0.046	0					1.39
4.417	0.00	0.02	0.046	0					1.39
4.500	0.00	0.02	0.046	0					1.38
4.583	0.00	0.02	0.046	0					1.38
4.667	0.00	0.02	0.045	0					1.38
4.750	0.00	0.02	0.045	0					1.38
4.833	0.00	0.02	0.045	0					1.37
4.917	0.00	0.02	0.045	0					1.37
5.000	0.00	0.02	0.045	0					1.37
5.083	0.00	0.02	0.045	0					1.37
5.167	0.00	0.02	0.045	0					1.36
5.250	0.00	0.02	0.045	0					1.36
5.333	0.00	0.02	0.044	0					1.36
5.417	0.00	0.02	0.044	0					1.35
5.500	0.00	0.02	0.044	0					1.35
5.583	0.00	0.02	0.044	0					1.35
5.667	0.00	0.02	0.044	0					1.35
5.750	0.00	0.02	0.044	0					1.34
5.833	0.00	0.02	0.044	0					1.34
5.917	0.00	0.02	0.044	0					1.34
6.000	0.00	0.02	0.043	0					1.34
6.083	0.00	0.02	0.043	0					1.33
6.167	0.00	0.02	0.043	0					1.33

6.250	0.00	0.02	0.043	0					1.33
6.333	0.00	0.02	0.043	0					1.32
6.417	0.00	0.02	0.043	0					1.32
6.500	0.00	0.02	0.043	0					1.32
6.583	0.00	0.02	0.043	0					1.32
6.667	0.00	0.02	0.042	0					1.31
6.750	0.00	0.02	0.042	0					1.31
6.833	0.00	0.02	0.042	0					1.31
6.917	0.00	0.02	0.042	0					1.31
7.000	0.00	0.02	0.042	0					1.30
7.083	0.00	0.02	0.042	0					1.30
7.167	0.00	0.02	0.042	0					1.30
7.250	0.00	0.02	0.042	0					1.30
7.333	0.00	0.02	0.041	0					1.29
7.417	0.00	0.02	0.041	0					1.29
7.500	0.00	0.02	0.041	0					1.29
7.583	0.00	0.02	0.041	0					1.28
7.667	0.00	0.02	0.041	0					1.28
7.750	0.00	0.02	0.041	0					1.28
7.833	0.00	0.02	0.041	0					1.28
7.917	0.00	0.02	0.041	0					1.27
8.000	0.00	0.02	0.040	0					1.27
8.083	0.00	0.02	0.040	0					1.27
8.167	0.00	0.02	0.040	0					1.27
8.250	0.00	0.02	0.040	0					1.26
8.333	0.00	0.02	0.040	0					1.26
8.417	0.00	0.02	0.040	0					1.26
8.500	0.00	0.02	0.040	0					1.26
8.583	0.00	0.02	0.040	0					1.25
8.667	0.00	0.02	0.040	0					1.25
8.750	0.00	0.02	0.039	0					1.25
8.833	0.00	0.02	0.039	0					1.25
8.917	0.00	0.02	0.039	0					1.24
9.000	0.00	0.02	0.039	0					1.24
9.083	0.00	0.02	0.039	0					1.24
9.167	0.00	0.02	0.039	0					1.23
9.250	0.00	0.02	0.039	0					1.23
9.333	0.00	0.02	0.039	0					1.23
9.417	0.00	0.02	0.038	0					1.23
9.500	0.00	0.02	0.038	0					1.22
9.583	0.00	0.02	0.038	0					1.22
9.667	0.00	0.02	0.038	0					1.22
9.750	0.00	0.02	0.038	0					1.22
9.833	0.00	0.02	0.038	0					1.21
9.917	0.00	0.02	0.038	0					1.21
10.000	0.00	0.02	0.038	0					1.21
10.083	0.00	0.02	0.037	0					1.21
10.167	0.00	0.02	0.037	0					1.20
10.250	0.00	0.02	0.037	0					1.20
10.333	0.00	0.02	0.037	0					1.20

10.417	0.00	0.02	0.037	0					1.20
10.500	0.00	0.02	0.037	0					1.19
10.583	0.00	0.02	0.037	0					1.19
10.667	0.00	0.02	0.037	0					1.19
10.750	0.00	0.02	0.037	0					1.19
10.833	0.00	0.02	0.036	0					1.18
10.917	0.00	0.02	0.036	0					1.18
11.000	0.00	0.02	0.036	0					1.18
11.083	0.00	0.02	0.036	0					1.18
11.167	0.00	0.02	0.036	0					1.17
11.250	0.00	0.02	0.036	0					1.17
11.333	0.00	0.02	0.036	0					1.17
11.417	0.00	0.02	0.036	0					1.17
11.500	0.00	0.02	0.035	0					1.16
11.583	0.00	0.02	0.035	0					1.16
11.667	0.00	0.02	0.035	0					1.16
11.750	0.00	0.02	0.035	0					1.16
11.833	0.00	0.02	0.035	0					1.15
11.917	0.00	0.02	0.035	0					1.15
12.000	0.00	0.02	0.035	0					1.15
12.083	0.00	0.02	0.035	0					1.14
12.167	0.00	0.02	0.035	0					1.14
12.250	0.00	0.02	0.034	0					1.14
12.333	0.00	0.02	0.034	0					1.14
12.417	0.00	0.02	0.034	0					1.13
12.500	0.00	0.02	0.034	0					1.13
12.583	0.00	0.02	0.034	0					1.13
12.667	0.00	0.02	0.034	0					1.13
12.750	0.00	0.02	0.034	0					1.12
12.833	0.00	0.02	0.034	0					1.12
12.917	0.00	0.02	0.034	0					1.12
13.000	0.00	0.02	0.033	0					1.12
13.083	0.00	0.02	0.033	0					1.11
13.167	0.00	0.02	0.033	0					1.11
13.250	0.00	0.02	0.033	0					1.11
13.333	0.00	0.02	0.033	0					1.11
13.417	0.00	0.02	0.033	0					1.10
13.500	0.00	0.02	0.033	0					1.10
13.583	0.00	0.02	0.033	0					1.10
13.667	0.00	0.02	0.032	0					1.10
13.750	0.00	0.02	0.032	0					1.09
13.833	0.00	0.02	0.032	0					1.09
13.917	0.00	0.02	0.032	0					1.09
14.000	0.00	0.02	0.032	0					1.09
14.083	0.00	0.02	0.032	0					1.08
14.167	0.00	0.02	0.032	0					1.08
14.250	0.00	0.02	0.032	0					1.08
14.333	0.00	0.02	0.032	0					1.08
14.417	0.00	0.02	0.031	0					1.08
14.500	0.00	0.02	0.031	0					1.07

14.583	0.00	0.02	0.031	0					1.07
14.667	0.00	0.02	0.031	0					1.07
14.750	0.00	0.02	0.031	0					1.07
14.833	0.00	0.02	0.031	0					1.06
14.917	0.00	0.02	0.031	0					1.06
15.000	0.00	0.02	0.031	0					1.06
15.083	0.00	0.02	0.031	0					1.06
15.167	0.00	0.02	0.030	0					1.05
15.250	0.00	0.02	0.030	0					1.05
15.333	0.00	0.02	0.030	0					1.05
15.417	0.00	0.02	0.030	0					1.05
15.500	0.00	0.02	0.030	0					1.04
15.583	0.00	0.02	0.030	0					1.04
15.667	0.00	0.02	0.030	0					1.04
15.750	0.00	0.02	0.030	0					1.04
15.833	0.00	0.02	0.030	0					1.03
15.917	0.00	0.02	0.029	0					1.03
16.000	0.00	0.02	0.029	0					1.03
16.083	0.00	0.02	0.029	0					1.03
16.167	0.00	0.02	0.029	0					1.02
16.250	0.00	0.02	0.029	0					1.02
16.333	0.00	0.02	0.029	0					1.02
16.417	0.00	0.02	0.029	0					1.02
16.500	0.00	0.02	0.029	0					1.01
16.583	0.00	0.02	0.029	0					1.01
16.667	0.00	0.02	0.028	0					1.01
16.750	0.00	0.02	0.028	0					1.01
16.833	0.00	0.02	0.028	0					1.00
16.917	0.00	0.02	0.028	0					1.00
17.000	0.00	0.02	0.028	0					1.00
17.083	0.00	0.02	0.028	0					1.00
17.167	0.00	0.02	0.028	0					0.99
17.250	0.00	0.02	0.028	0					0.99
17.333	0.00	0.02	0.028	0					0.98
17.417	0.00	0.02	0.027	0					0.98
17.500	0.00	0.02	0.027	0					0.98
17.583	0.00	0.02	0.027	0					0.97
17.667	0.00	0.02	0.027	0					0.97
17.750	0.00	0.02	0.027	0					0.96
17.833	0.00	0.02	0.027	0					0.96
17.917	0.00	0.02	0.027	0					0.96
18.000	0.00	0.02	0.027	0					0.95
18.083	0.00	0.02	0.027	0					0.95
18.167	0.00	0.02	0.026	0					0.94
18.250	0.00	0.02	0.026	0					0.94
18.333	0.00	0.02	0.026	0					0.94
18.417	0.00	0.02	0.026	0					0.93
18.500	0.00	0.02	0.026	0					0.93
18.583	0.00	0.02	0.026	0					0.93
18.667	0.00	0.02	0.026	0					0.92

18.750	0.00	0.02	0.026	0					0.92
18.833	0.00	0.02	0.026	0					0.91
18.917	0.00	0.02	0.026	0					0.91
19.000	0.00	0.02	0.025	0					0.91
19.083	0.00	0.02	0.025	0					0.90
19.167	0.00	0.02	0.025	0					0.90
19.250	0.00	0.02	0.025	0					0.90
19.333	0.00	0.02	0.025	0					0.89
19.417	0.00	0.02	0.025	0					0.89
19.500	0.00	0.02	0.025	0					0.88
19.583	0.00	0.01	0.025	0					0.88
19.667	0.00	0.01	0.025	0					0.88
19.750	0.00	0.01	0.024	0					0.87
19.833	0.00	0.01	0.024	0					0.87
19.917	0.00	0.01	0.024	0					0.87
20.000	0.00	0.01	0.024	0					0.86
20.083	0.00	0.01	0.024	0					0.86
20.167	0.00	0.01	0.024	0					0.85
20.250	0.00	0.01	0.024	0					0.85
20.333	0.00	0.01	0.024	0					0.85
20.417	0.00	0.01	0.024	0					0.84
20.500	0.00	0.01	0.024	0					0.84
20.583	0.00	0.01	0.023	0					0.84
20.667	0.00	0.01	0.023	0					0.83
20.750	0.00	0.01	0.023	0					0.83
20.833	0.00	0.01	0.023	0					0.83
20.917	0.00	0.01	0.023	0					0.82
21.000	0.00	0.01	0.023	0					0.82
21.083	0.00	0.01	0.023	0					0.81
21.167	0.00	0.01	0.023	0					0.81
21.250	0.00	0.01	0.023	0					0.81
21.333	0.00	0.01	0.023	0					0.80
21.417	0.00	0.01	0.022	0					0.80
21.500	0.00	0.01	0.022	0					0.80
21.583	0.00	0.01	0.022	0					0.79
21.667	0.00	0.01	0.022	0					0.79
21.750	0.00	0.01	0.022	0					0.79
21.833	0.00	0.01	0.022	0					0.78
21.917	0.00	0.01	0.022	0					0.78
22.000	0.00	0.01	0.022	0					0.78
22.083	0.00	0.01	0.022	0					0.77
22.167	0.00	0.01	0.022	0					0.77
22.250	0.00	0.01	0.021	0					0.76
22.333	0.00	0.01	0.021	0					0.76
22.417	0.00	0.01	0.021	0					0.76
22.500	0.00	0.01	0.021	0					0.75
22.583	0.00	0.01	0.021	0					0.75
22.667	0.00	0.01	0.021	0					0.75
22.750	0.00	0.01	0.021	0					0.74
22.833	0.00	0.01	0.021	0					0.74

22.917	0.00	0.01	0.021	0					0.74
23.000	0.00	0.01	0.021	0					0.73
23.083	0.00	0.01	0.021	0					0.73
23.167	0.00	0.01	0.020	0					0.73
23.250	0.00	0.01	0.020	0					0.72
23.333	0.00	0.01	0.020	0					0.72
23.417	0.00	0.01	0.020	0					0.72
23.500	0.00	0.01	0.020	0					0.71
23.583	0.00	0.01	0.020	0					0.71
23.667	0.00	0.01	0.020	0					0.71
23.750	0.00	0.01	0.020	0					0.70
23.833	0.00	0.01	0.020	0					0.70
23.917	0.00	0.01	0.020	0					0.70
24.000	0.00	0.01	0.020	0					0.69
24.083	0.00	0.01	0.019	0					0.69
24.167	0.00	0.01	0.019	0					0.69
24.250	0.00	0.01	0.019	0					0.68
24.333	0.00	0.01	0.019	0					0.68
24.417	0.00	0.01	0.019	0					0.68
24.500	0.00	0.01	0.019	0					0.67
24.583	0.00	0.01	0.019	0					0.67
24.667	0.00	0.01	0.019	0					0.67
24.750	0.00	0.01	0.019	0					0.66
24.833	0.00	0.01	0.019	0					0.66
24.917	0.00	0.01	0.019	0					0.66
25.000	0.00	0.01	0.018	0					0.65
25.083	0.00	0.01	0.018	0					0.65
25.167	0.00	0.01	0.018	0					0.65
25.250	0.00	0.01	0.018	0					0.64
25.333	0.00	0.01	0.018	0					0.64
25.417	0.00	0.01	0.018	0					0.64
25.500	0.00	0.01	0.018	0					0.63
25.583	0.00	0.01	0.018	0					0.63
25.667	0.00	0.01	0.018	0					0.63
25.750	0.00	0.01	0.018	0					0.62
25.833	0.00	0.01	0.018	0					0.62
25.917	0.00	0.01	0.017	0					0.62
26.000	0.00	0.01	0.017	0					0.62
26.083	0.00	0.01	0.017	0					0.61
26.167	0.00	0.01	0.017	0					0.61
26.250	0.00	0.01	0.017	0					0.61
26.333	0.00	0.01	0.017	0					0.60
26.417	0.00	0.01	0.017	0					0.60
26.500	0.00	0.01	0.017	0					0.60
26.583	0.00	0.01	0.017	0					0.59
26.667	0.00	0.01	0.017	0					0.59
26.750	0.00	0.01	0.017	0					0.59
26.833	0.00	0.01	0.016	0					0.58
26.917	0.00	0.01	0.016	0					0.58
27.000	0.00	0.01	0.016	0					0.58

27.083	0.00	0.01	0.016	0					0.57
27.167	0.00	0.01	0.016	0					0.57
27.250	0.00	0.01	0.016	0					0.57
27.333	0.00	0.01	0.016	0					0.57
27.417	0.00	0.01	0.016	0					0.56
27.500	0.00	0.01	0.016	0					0.56
27.583	0.00	0.01	0.016	0					0.56
27.667	0.00	0.01	0.016	0					0.55
27.750	0.00	0.01	0.016	0					0.55
27.833	0.00	0.01	0.015	0					0.55
27.917	0.00	0.01	0.015	0					0.54
28.000	0.00	0.01	0.015	0					0.54
28.083	0.00	0.01	0.015	0					0.54
28.167	0.00	0.01	0.015	0					0.53
28.250	0.00	0.01	0.015	0					0.53
28.333	0.00	0.01	0.015	0					0.53
28.417	0.00	0.01	0.015	0					0.53
28.500	0.00	0.01	0.015	0					0.52
28.583	0.00	0.01	0.015	0					0.52
28.667	0.00	0.01	0.015	0					0.52
28.750	0.00	0.01	0.015	0					0.51
28.833	0.00	0.01	0.014	0					0.51
28.917	0.00	0.01	0.014	0					0.51
29.000	0.00	0.01	0.014	0					0.51
29.083	0.00	0.01	0.014	0					0.50
29.167	0.00	0.01	0.014	0					0.50
29.250	0.00	0.01	0.014	0					0.50
29.333	0.00	0.01	0.014	0					0.49
29.417	0.00	0.01	0.014	0					0.49
29.500	0.00	0.01	0.014	0					0.49
29.583	0.00	0.01	0.014	0					0.48
29.667	0.00	0.01	0.014	0					0.48
29.750	0.00	0.01	0.014	0					0.48
29.833	0.00	0.01	0.014	0					0.48
29.917	0.00	0.01	0.013	0					0.47
30.000	0.00	0.01	0.013	0					0.47
30.083	0.00	0.01	0.013	0					0.47
30.167	0.00	0.01	0.013	0					0.46
30.250	0.00	0.01	0.013	0					0.46
30.333	0.00	0.01	0.013	0					0.46
30.417	0.00	0.01	0.013	0					0.46
30.500	0.00	0.01	0.013	0					0.45
30.583	0.00	0.01	0.013	0					0.45
30.667	0.00	0.01	0.013	0					0.45
30.750	0.00	0.01	0.013	0					0.45
30.833	0.00	0.01	0.013	0					0.44
30.917	0.00	0.01	0.012	0					0.44
31.000	0.00	0.01	0.012	0					0.44
31.083	0.00	0.01	0.012	0					0.43
31.167	0.00	0.01	0.012	0					0.43

31.250	0.00	0.01	0.012	0					0.43
31.333	0.00	0.01	0.012	0					0.43
31.417	0.00	0.01	0.012	0					0.42
31.500	0.00	0.01	0.012	0					0.42
31.583	0.00	0.01	0.012	0					0.42
31.667	0.00	0.01	0.012	0					0.41
31.750	0.00	0.01	0.012	0					0.41
31.833	0.00	0.01	0.012	0					0.41
31.917	0.00	0.01	0.012	0					0.41
32.000	0.00	0.01	0.012	0					0.40
32.083	0.00	0.01	0.011	0					0.40
32.167	0.00	0.01	0.011	0					0.40
32.250	0.00	0.01	0.011	0					0.40
32.333	0.00	0.01	0.011	0					0.39
32.417	0.00	0.01	0.011	0					0.39
32.500	0.00	0.01	0.011	0					0.39
32.583	0.00	0.01	0.011	0					0.38
32.667	0.00	0.01	0.011	0					0.38
32.750	0.00	0.01	0.011	0					0.38
32.833	0.00	0.01	0.011	0					0.38
32.917	0.00	0.01	0.011	0					0.37
33.000	0.00	0.01	0.011	0					0.37
33.083	0.00	0.01	0.011	0					0.37
33.167	0.00	0.01	0.010	0					0.37
33.250	0.00	0.01	0.010	0					0.36
33.333	0.00	0.01	0.010	0					0.36
33.417	0.00	0.01	0.010	0					0.36
33.500	0.00	0.01	0.010	0					0.36
33.583	0.00	0.01	0.010	0					0.35
33.667	0.00	0.01	0.010	0					0.35
33.750	0.00	0.01	0.010	0					0.35
33.833	0.00	0.01	0.010	0					0.35
33.917	0.00	0.01	0.010	0					0.34
34.000	0.00	0.01	0.010	0					0.34
34.083	0.00	0.01	0.010	0					0.34
34.167	0.00	0.01	0.010	0					0.33
34.250	0.00	0.01	0.010	0					0.33
34.333	0.00	0.01	0.009	0					0.33
34.417	0.00	0.01	0.009	0					0.33
34.500	0.00	0.01	0.009	0					0.32
34.583	0.00	0.01	0.009	0					0.32
34.667	0.00	0.01	0.009	0					0.32
34.750	0.00	0.01	0.009	0					0.32
34.833	0.00	0.01	0.009	0					0.31
34.917	0.00	0.01	0.009	0					0.31
35.000	0.00	0.01	0.009	0					0.31
35.083	0.00	0.01	0.009	0					0.31
35.167	0.00	0.01	0.009	0					0.30
35.250	0.00	0.01	0.009	0					0.30
35.333	0.00	0.01	0.009	0					0.30

35.417	0.00	0.01	0.009	0					0.30
35.500	0.00	0.01	0.008	0					0.29
35.583	0.00	0.01	0.008	0					0.29
35.667	0.00	0.01	0.008	0					0.29
35.750	0.00	0.01	0.008	0					0.29
35.833	0.00	0.01	0.008	0					0.28
35.917	0.00	0.01	0.008	0					0.28
36.000	0.00	0.01	0.008	0					0.28
36.083	0.00	0.01	0.008	0					0.28
36.167	0.00	0.01	0.008	0					0.27
36.250	0.00	0.01	0.008	0					0.27
36.333	0.00	0.01	0.008	0					0.27
36.417	0.00	0.01	0.008	0					0.27
36.500	0.00	0.01	0.008	0					0.26
36.583	0.00	0.01	0.008	0					0.26
36.667	0.00	0.01	0.008	0					0.26
36.750	0.00	0.01	0.007	0					0.26
36.833	0.00	0.01	0.007	0					0.26
36.917	0.00	0.01	0.007	0					0.25
37.000	0.00	0.01	0.007	0					0.25
37.083	0.00	0.01	0.007	0					0.25
37.167	0.00	0.01	0.007	0					0.25
37.250	0.00	0.01	0.007	0					0.24
37.333	0.00	0.01	0.007	0					0.24
37.417	0.00	0.01	0.007	0					0.24
37.500	0.00	0.01	0.007	0					0.24
37.583	0.00	0.01	0.007	0					0.23
37.667	0.00	0.01	0.007	0					0.23
37.750	0.00	0.01	0.007	0					0.23
37.833	0.00	0.01	0.007	0					0.23
37.917	0.00	0.01	0.007	0					0.22
38.000	0.00	0.01	0.006	0					0.22
38.083	0.00	0.01	0.006	0					0.22
38.167	0.00	0.01	0.006	0					0.22
38.250	0.00	0.01	0.006	0					0.21
38.333	0.00	0.01	0.006	0					0.21
38.417	0.00	0.01	0.006	0					0.21
38.500	0.00	0.01	0.006	0					0.21
38.583	0.00	0.01	0.006	0					0.21
38.667	0.00	0.01	0.006	0					0.20
38.750	0.00	0.01	0.006	0					0.20
38.833	0.00	0.01	0.006	0					0.20
38.917	0.00	0.01	0.006	0					0.20
39.000	0.00	0.01	0.006	0					0.19
39.083	0.00	0.01	0.006	0					0.19
39.167	0.00	0.01	0.006	0					0.19
39.250	0.00	0.01	0.006	0					0.19
39.333	0.00	0.01	0.005	0					0.19
39.417	0.00	0.01	0.005	0					0.18
39.500	0.00	0.01	0.005	0					0.18

39.583	0.00	0.01	0.005	0					0.18
39.667	0.00	0.01	0.005	0					0.18
39.750	0.00	0.01	0.005	0					0.17
39.833	0.00	0.01	0.005	0					0.17
39.917	0.00	0.01	0.005	0					0.17
40.000	0.00	0.01	0.005	0					0.17
40.083	0.00	0.01	0.005	0					0.17
40.167	0.00	0.01	0.005	0					0.16
40.250	0.00	0.01	0.005	0					0.16
40.333	0.00	0.01	0.005	0					0.16
40.417	0.00	0.01	0.005	0					0.16
40.500	0.00	0.01	0.005	0					0.15
40.583	0.00	0.01	0.005	0					0.15
40.667	0.00	0.01	0.004	0					0.15
40.750	0.00	0.01	0.004	0					0.15
40.833	0.00	0.01	0.004	0					0.15
40.917	0.00	0.01	0.004	0					0.14
41.000	0.00	0.01	0.004	0					0.14
41.083	0.00	0.01	0.004	0					0.14
41.167	0.00	0.01	0.004	0					0.14
41.250	0.00	0.01	0.004	0					0.13
41.333	0.00	0.01	0.004	0					0.13
41.417	0.00	0.01	0.004	0					0.13
41.500	0.00	0.01	0.004	0					0.13
41.583	0.00	0.01	0.004	0					0.13
41.667	0.00	0.01	0.004	0					0.12
41.750	0.00	0.01	0.004	0					0.12
41.833	0.00	0.01	0.004	0					0.12
41.917	0.00	0.01	0.004	0					0.12
42.000	0.00	0.01	0.004	0					0.12
42.083	0.00	0.01	0.003	0					0.11
42.167	0.00	0.01	0.003	0					0.11
42.250	0.00	0.01	0.003	0					0.11
42.333	0.00	0.01	0.003	0					0.11
42.417	0.00	0.01	0.003	0					0.10
42.500	0.00	0.01	0.003	0					0.10
42.583	0.00	0.01	0.003	0					0.10
42.667	0.00	0.01	0.003	0					0.10
42.750	0.00	0.01	0.003	0					0.10
42.833	0.00	0.01	0.003	0					0.09
42.917	0.00	0.01	0.003	0					0.09
43.000	0.00	0.01	0.003	0					0.09
43.083	0.00	0.01	0.003	0					0.09
43.167	0.00	0.01	0.003	0					0.09
43.250	0.00	0.01	0.003	0					0.08
43.333	0.00	0.01	0.003	0					0.08
43.417	0.00	0.01	0.003	0					0.08
43.500	0.00	0.01	0.003	0					0.08
43.583	0.00	0.01	0.002	0					0.08
43.667	0.00	0.01	0.002	0					0.07

43.750	0.00	0.01	0.002	0					0.07
43.833	0.00	0.01	0.002	0					0.07
43.917	0.00	0.01	0.002	0					0.07
44.000	0.00	0.01	0.002	0					0.07
44.083	0.00	0.01	0.002	0					0.06
44.167	0.00	0.01	0.002	0					0.06
44.250	0.00	0.01	0.002	0					0.06
44.333	0.00	0.01	0.002	0					0.06
44.417	0.00	0.01	0.002	0					0.06
44.500	0.00	0.01	0.002	0					0.06
44.583	0.00	0.01	0.002	0					0.05
44.667	0.00	0.01	0.002	0					0.05
44.750	0.00	0.01	0.002	0					0.05
44.833	0.00	0.01	0.002	0					0.05
44.917	0.00	0.01	0.002	0					0.05
45.000	0.00	0.01	0.002	0					0.05
45.083	0.00	0.01	0.002	0					0.05
45.167	0.00	0.01	0.001	0					0.04
45.250	0.00	0.01	0.001	0					0.04
45.333	0.00	0.01	0.001	0					0.04
45.417	0.00	0.01	0.001	0					0.04
45.500	0.00	0.01	0.001	0					0.04
45.583	0.00	0.01	0.001	0					0.04
45.667	0.00	0.01	0.001	0					0.04
45.750	0.00	0.00	0.001	0					0.04
45.833	0.00	0.00	0.001	0					0.04
45.917	0.00	0.00	0.001	0					0.03
46.000	0.00	0.00	0.001	0					0.03
46.083	0.00	0.00	0.001	0					0.03
46.167	0.00	0.00	0.001	0					0.03
46.250	0.00	0.00	0.001	0					0.03
46.333	0.00	0.00	0.001	0					0.03
46.417	0.00	0.00	0.001	0					0.03
46.500	0.00	0.00	0.001	0					0.03
46.583	0.00	0.00	0.001	0					0.03
46.667	0.00	0.00	0.001	0					0.03
46.750	0.00	0.00	0.001	0					0.03
46.833	0.00	0.00	0.001	0					0.03
46.917	0.00	0.00	0.001	0					0.02
47.000	0.00	0.00	0.001	0					0.02
47.083	0.00	0.00	0.001	0					0.02
47.167	0.00	0.00	0.001	0					0.02
47.250	0.00	0.00	0.001	0					0.02
47.333	0.00	0.00	0.001	0					0.02
47.417	0.00	0.00	0.001	0					0.02
47.500	0.00	0.00	0.001	0					0.02
47.583	0.00	0.00	0.001	0					0.02
47.667	0.00	0.00	0.001	0					0.02
47.750	0.00	0.00	0.001	0					0.02
47.833	0.00	0.00	0.001	0					0.02

47.917	0.00	0.00	0.001	0					0.02
48.000	0.00	0.00	0.001	0					0.02
48.083	0.00	0.00	0.001	0					0.02
48.167	0.00	0.00	0.001	0					0.02
48.250	0.00	0.00	0.001	0					0.02
48.333	0.00	0.00	0.001	0					0.02
48.417	0.00	0.00	0.001	0					0.02
48.500	0.00	0.00	0.000	0					0.01
48.583	0.00	0.00	0.000	0					0.01
48.667	0.00	0.00	0.000	0					0.01
48.750	0.00	0.00	0.000	0					0.01
48.833	0.00	0.00	0.000	0					0.01
48.917	0.00	0.00	0.000	0					0.01
49.000	0.00	0.00	0.000	0					0.01
49.083	0.00	0.00	0.000	0					0.01
49.167	0.00	0.00	0.000	0					0.01
49.250	0.00	0.00	0.000	0					0.01
49.333	0.00	0.00	0.000	0					0.01
49.417	0.00	0.00	0.000	0					0.01
49.500	0.00	0.00	0.000	0					0.01
49.583	0.00	0.00	0.000	0					0.01
49.667	0.00	0.00	0.000	0					0.01
49.750	0.00	0.00	0.000	0					0.01
49.833	0.00	0.00	0.000	0					0.01
49.917	0.00	0.00	0.000	0					0.01
50.000	0.00	0.00	0.000	0					0.01
50.083	0.00	0.00	0.000	0					0.01
50.167	0.00	0.00	0.000	0					0.01
50.250	0.00	0.00	0.000	0					0.01
50.333	0.00	0.00	0.000	0					0.01
50.417	0.00	0.00	0.000	0					0.01
50.500	0.00	0.00	0.000	0					0.01
50.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 607

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.019 (CFS)

Total volume = 0.052 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
2 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da1242.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.233 (CFS)
Total volume = 0.142 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.12	0.17	0.23	Depth (Ft.)
0.083	0.01	0.00	0.000	OI					0.00
0.167	0.01	0.00	0.000	OI					0.00
0.250	0.01	0.00	0.000	OI					0.01
0.333	0.02	0.00	0.000	O I					0.01
0.417	0.02	0.00	0.000	O I					0.01
0.500	0.02	0.00	0.001	O I					0.02
0.583	0.02	0.00	0.001	O I					0.02
0.667	0.02	0.00	0.001	O I					0.02
0.750	0.02	0.00	0.001	O I					0.03
0.833	0.02	0.00	0.001	O I					0.03
0.917	0.03	0.00	0.001	O I					0.04
1.000	0.03	0.01	0.001	O I					0.04
1.083	0.02	0.01	0.001	O I					0.04
1.167	0.02	0.01	0.002	O I					0.05
1.250	0.02	0.01	0.002	O I					0.05
1.333	0.02	0.01	0.002	O I					0.05
1.417	0.02	0.01	0.002	OI					0.06
1.500	0.02	0.01	0.002	OI					0.06
1.583	0.02	0.01	0.002	OI					0.06
1.667	0.02	0.01	0.002	OI					0.06
1.750	0.02	0.01	0.002	OI					0.07
1.833	0.02	0.01	0.002	O I					0.07
1.917	0.03	0.01	0.002	O I					0.08
2.000	0.03	0.01	0.003	O I					0.08

2.083	0.03	0.01	0.003	0	I						0.09
2.167	0.03	0.01	0.003	0	I						0.09
2.250	0.03	0.01	0.003	0	I						0.09
2.333	0.03	0.01	0.003	0	I						0.10
2.417	0.03	0.01	0.003	0	I						0.10
2.500	0.03	0.01	0.003	0	I						0.11
2.583	0.03	0.01	0.004	0	I						0.11
2.667	0.03	0.01	0.004	0	I						0.12
2.750	0.03	0.01	0.004	0	I						0.13
2.833	0.03	0.01	0.004	0	I						0.13
2.917	0.03	0.01	0.004	0	I						0.14
3.000	0.03	0.01	0.004	0	I						0.15
3.083	0.03	0.01	0.005	0	I						0.15
3.167	0.03	0.01	0.005	0	I						0.16
3.250	0.03	0.01	0.005	0	I						0.17
3.333	0.03	0.01	0.005	0	I						0.17
3.417	0.03	0.01	0.005	0	I						0.18
3.500	0.03	0.01	0.005	0	I						0.18
3.583	0.03	0.01	0.006	0	I						0.19
3.667	0.03	0.01	0.006	0	I						0.20
3.750	0.03	0.01	0.006	0	I						0.20
3.833	0.04	0.01	0.006	0	I						0.21
3.917	0.04	0.01	0.006	0	I						0.22
4.000	0.04	0.01	0.007	0	I						0.22
4.083	0.04	0.01	0.007	0	I						0.23
4.167	0.04	0.01	0.007	0	I						0.24
4.250	0.04	0.01	0.007	0	I						0.25
4.333	0.05	0.01	0.007	0	I						0.26
4.417	0.05	0.01	0.008	0	I						0.27
4.500	0.05	0.01	0.008	0	I						0.28
4.583	0.05	0.01	0.008	0	I						0.29
4.667	0.05	0.01	0.008	0	I						0.29
4.750	0.05	0.01	0.009	0	I						0.30
4.833	0.05	0.01	0.009	0	I						0.31
4.917	0.05	0.01	0.009	0	I						0.32
5.000	0.05	0.01	0.010	0	I						0.34
5.083	0.05	0.01	0.010	0	I						0.35
5.167	0.04	0.01	0.010	0	I						0.35
5.250	0.04	0.01	0.010	0	I						0.36
5.333	0.05	0.01	0.011	0	I						0.37
5.417	0.05	0.01	0.011	0	I						0.38
5.500	0.05	0.01	0.011	0	I						0.39
5.583	0.05	0.01	0.011	0	I						0.40
5.667	0.05	0.01	0.012	0	I						0.41
5.750	0.05	0.01	0.012	0	I						0.42
5.833	0.05	0.01	0.012	0	I						0.43
5.917	0.05	0.01	0.013	0	I						0.44
6.000	0.05	0.01	0.013	0	I						0.45
6.083	0.06	0.01	0.013	0	I						0.46
6.167	0.06	0.01	0.013	0	I						0.48

6.250	0.06	0.01	0.014	0	I				0.49
6.333	0.06	0.01	0.014	0	I				0.50
6.417	0.06	0.01	0.015	0	I				0.51
6.500	0.06	0.01	0.015	0	I				0.53
6.583	0.07	0.01	0.015	0	I				0.54
6.667	0.07	0.01	0.016	0	I				0.55
6.750	0.07	0.01	0.016	0	I				0.57
6.833	0.07	0.01	0.016	0	I				0.58
6.917	0.07	0.01	0.017	0	I				0.59
7.000	0.07	0.01	0.017	0	I				0.61
7.083	0.07	0.01	0.018	0	I				0.62
7.167	0.07	0.01	0.018	0	I				0.64
7.250	0.07	0.01	0.018	0	I				0.65
7.333	0.07	0.01	0.019	0	I				0.66
7.417	0.08	0.01	0.019	0	I				0.68
7.500	0.08	0.01	0.020	0	I				0.69
7.583	0.08	0.01	0.020	0	I				0.71
7.667	0.08	0.01	0.020	0	I				0.73
7.750	0.08	0.01	0.021	0	I				0.74
7.833	0.09	0.01	0.021	0	I				0.76
7.917	0.09	0.01	0.022	0	I				0.78
8.000	0.09	0.01	0.022	0	I				0.80
8.083	0.10	0.01	0.023	0	I				0.82
8.167	0.10	0.01	0.024	0	I				0.84
8.250	0.10	0.01	0.024	0	I				0.86
8.333	0.10	0.02	0.025	0	I				0.88
8.417	0.10	0.02	0.025	0	I				0.90
8.500	0.10	0.02	0.026	0	I				0.93
8.583	0.11	0.02	0.027	0	I				0.95
8.667	0.11	0.02	0.027	0	I				0.97
8.750	0.11	0.02	0.028	0	I				1.00
8.833	0.11	0.02	0.029	0	I				1.01
8.917	0.12	0.02	0.029	0	I				1.03
9.000	0.12	0.02	0.030	0	I				1.04
9.083	0.13	0.02	0.031	0	I				1.06
9.167	0.13	0.02	0.031	0	I				1.07
9.250	0.13	0.02	0.032	0	I				1.09
9.333	0.13	0.02	0.033	0	I				1.11
9.417	0.14	0.02	0.034	0	I				1.13
9.500	0.14	0.02	0.035	0	I				1.14
9.583	0.14	0.02	0.035	0	I				1.16
9.667	0.14	0.02	0.036	0	I				1.18
9.750	0.14	0.02	0.037	0	I				1.20
9.833	0.15	0.02	0.038	0	I				1.22
9.917	0.15	0.02	0.039	0	I				1.24
10.000	0.15	0.02	0.040	0	I				1.26
10.083	0.12	0.02	0.041	0	I				1.28
10.167	0.10	0.02	0.041	0	I				1.29
10.250	0.10	0.02	0.042	0	I				1.30
10.333	0.10	0.02	0.043	0	I				1.32

10.417	0.10	0.02	0.043	0		I			1.33	
10.500	0.10	0.02	0.044	0		I			1.34	
10.583	0.12	0.02	0.044	0			I		1.36	
10.667	0.14	0.02	0.045	0			I		1.37	
10.750	0.14	0.02	0.046	0			I		1.39	
10.833	0.14	0.02	0.047	0			I		1.41	
10.917	0.14	0.02	0.048	0			I		1.43	
11.000	0.14	0.02	0.048	0			I		1.44	
11.083	0.13	0.02	0.049	0			I		1.46	
11.167	0.13	0.02	0.050	0			I		1.48	
11.250	0.13	0.02	0.051	0			I		1.49	
11.333	0.13	0.02	0.052	0			I		1.51	
11.417	0.13	0.02	0.052	0			I		1.53	
11.500	0.13	0.02	0.053	0			I		1.54	
11.583	0.12	0.02	0.054	0		I			1.56	
11.667	0.12	0.02	0.054	0		I			1.58	
11.750	0.12	0.02	0.055	0		I			1.59	
11.833	0.12	0.02	0.056	0		I			1.60	
11.917	0.12	0.02	0.057	0		I			1.62	
12.000	0.12	0.02	0.057	0		I			1.64	
12.083	0.15	0.02	0.058	0			I		1.65	
12.167	0.17	0.02	0.059	0				I	1.67	
12.250	0.17	0.02	0.060	0				I	1.70	
12.333	0.18	0.02	0.061	0				I	1.72	
12.417	0.18	0.02	0.062	0				I	1.74	
12.500	0.18	0.02	0.063	0				I	1.77	
12.583	0.19	0.02	0.064	0				I	1.79	
12.667	0.19	0.02	0.066	0				I	1.82	
12.750	0.19	0.02	0.067	0				I	1.84	
12.833	0.20	0.02	0.068	0				I	1.87	
12.917	0.20	0.02	0.069	0				I	1.89	
13.000	0.20	0.02	0.070	0				I	1.92	
13.083	0.22	0.02	0.072	0					I	1.95
13.167	0.23	0.02	0.073	0					I	1.98
13.250	0.23	0.02	0.075	0					I	2.01
13.333	0.23	0.02	0.076	0					I	2.04
13.417	0.23	0.02	0.077	0					I	2.07
13.500	0.23	0.02	0.079	0					I	2.10
13.583	0.19	0.02	0.080	0				I		2.12
13.667	0.16	0.02	0.081	0			I			2.14
13.750	0.16	0.02	0.082	0			I			2.16
13.833	0.16	0.02	0.083	0			I			2.18
13.917	0.16	0.02	0.084	0			I			2.20
14.000	0.16	0.02	0.085	0			I			2.22
14.083	0.17	0.02	0.086	0				I		2.24
14.167	0.18	0.02	0.087	0				I		2.26
14.250	0.19	0.02	0.088	0				I		2.28
14.333	0.18	0.02	0.089	0				I		2.30
14.417	0.18	0.02	0.090	0				I		2.33
14.500	0.18	0.02	0.092	0				I		2.35

14.583	0.18	0.02	0.093	0			I	2.37
14.667	0.18	0.02	0.094	0			I	2.39
14.750	0.18	0.02	0.095	0			I	2.41
14.833	0.17	0.02	0.096	0			I	2.43
14.917	0.17	0.02	0.097	0			I	2.45
15.000	0.17	0.02	0.098	0			I	2.48
15.083	0.17	0.02	0.099	0			I	2.50
15.167	0.16	0.02	0.100	0			I	2.52
15.250	0.16	0.02	0.101	0			I	2.54
15.333	0.16	0.02	0.102	0			I	2.56
15.417	0.16	0.02	0.103	0			I	2.57
15.500	0.16	0.02	0.104	0			I	2.59
15.583	0.14	0.02	0.105	0			I	2.61
15.667	0.13	0.02	0.106	0			I	2.63
15.750	0.13	0.02	0.107	0			I	2.64
15.833	0.13	0.02	0.107	0			I	2.66
15.917	0.13	0.02	0.108	0			I	2.67
16.000	0.13	0.02	0.109	0			I	2.69
16.083	0.07	0.02	0.110	0	I			2.70
16.167	0.03	0.02	0.110	0 I				2.71
16.250	0.03	0.02	0.110	OI				2.71
16.333	0.03	0.02	0.110	OI				2.71
16.417	0.03	0.02	0.110	OI				2.71
16.500	0.03	0.02	0.110	OI				2.71
16.583	0.02	0.02	0.110	OI				2.71
16.667	0.02	0.02	0.110	0				2.71
16.750	0.02	0.02	0.110	0				2.71
16.833	0.02	0.02	0.110	0				2.71
16.917	0.02	0.02	0.110	0				2.72
17.000	0.02	0.02	0.110	0				2.72
17.083	0.03	0.02	0.110	OI				2.72
17.167	0.03	0.02	0.110	0 I				2.72
17.250	0.03	0.02	0.111	0 I				2.72
17.333	0.03	0.02	0.111	0 I				2.72
17.417	0.03	0.02	0.111	0 I				2.73
17.500	0.03	0.02	0.111	0 I				2.73
17.583	0.03	0.02	0.111	0 I				2.73
17.667	0.03	0.02	0.111	0 I				2.73
17.750	0.03	0.02	0.111	0 I				2.74
17.833	0.03	0.02	0.111	0 I				2.74
17.917	0.03	0.02	0.111	OI				2.74
18.000	0.03	0.02	0.112	OI				2.74
18.083	0.03	0.02	0.112	OI				2.74
18.167	0.03	0.02	0.112	OI				2.74
18.250	0.03	0.02	0.112	OI				2.75
18.333	0.03	0.02	0.112	OI				2.75
18.417	0.03	0.02	0.112	OI				2.75
18.500	0.03	0.02	0.112	OI				2.75
18.583	0.02	0.02	0.112	OI				2.75
18.667	0.02	0.02	0.112	0				2.75

18.750	0.02	0.02	0.112	0					2.75
18.833	0.02	0.02	0.112	0					2.75
18.917	0.01	0.02	0.112	IO					2.75
19.000	0.01	0.02	0.112	IO					2.75
19.083	0.02	0.02	0.112	0					2.75
19.167	0.02	0.02	0.112	0					2.75
19.250	0.02	0.02	0.112	0					2.75
19.333	0.02	0.02	0.112	OI					2.75
19.417	0.03	0.02	0.112	OI					2.75
19.500	0.03	0.02	0.112	OI					2.76
19.583	0.02	0.02	0.112	OI					2.76
19.667	0.02	0.02	0.112	0					2.76
19.750	0.02	0.02	0.112	0					2.76
19.833	0.02	0.02	0.112	0					2.76
19.917	0.01	0.02	0.112	IO					2.76
20.000	0.01	0.02	0.112	IO					2.76
20.083	0.02	0.02	0.112	0					2.76
20.167	0.02	0.02	0.112	0					2.76
20.250	0.02	0.02	0.112	0					2.76
20.333	0.02	0.02	0.112	0					2.76
20.417	0.02	0.02	0.112	0					2.76
20.500	0.02	0.02	0.112	0					2.76
20.583	0.02	0.02	0.112	0					2.76
20.667	0.02	0.02	0.112	0					2.76
20.750	0.02	0.02	0.112	0					2.76
20.833	0.02	0.02	0.112	0					2.76
20.917	0.01	0.02	0.112	IO					2.76
21.000	0.01	0.02	0.112	IO					2.76
21.083	0.02	0.02	0.112	0					2.76
21.167	0.02	0.02	0.112	0					2.76
21.250	0.02	0.02	0.112	0					2.76
21.333	0.02	0.02	0.112	0					2.76
21.417	0.01	0.02	0.112	IO					2.76
21.500	0.01	0.02	0.112	IO					2.76
21.583	0.02	0.02	0.112	0					2.76
21.667	0.02	0.02	0.112	0					2.76
21.750	0.02	0.02	0.112	0					2.76
21.833	0.02	0.02	0.112	0					2.76
21.917	0.01	0.02	0.112	IO					2.76
22.000	0.01	0.02	0.112	IO					2.76
22.083	0.02	0.02	0.112	0					2.76
22.167	0.02	0.02	0.112	0					2.76
22.250	0.02	0.02	0.112	0					2.76
22.333	0.02	0.02	0.112	0					2.76
22.417	0.01	0.02	0.112	IO					2.76
22.500	0.01	0.02	0.112	IO					2.75
22.583	0.01	0.02	0.112	IO					2.75
22.667	0.01	0.02	0.112	IO					2.75
22.750	0.01	0.02	0.112	IO					2.75
22.833	0.01	0.02	0.112	IO					2.75

22.917	0.01	0.02	0.112	IO					2.75
23.000	0.01	0.02	0.112	IO					2.75
23.083	0.01	0.02	0.112	IO					2.75
23.167	0.01	0.02	0.112	IO					2.75
23.250	0.01	0.02	0.112	IO					2.75
23.333	0.01	0.02	0.112	IO					2.75
23.417	0.01	0.02	0.112	IO					2.75
23.500	0.01	0.02	0.112	IO					2.75
23.583	0.01	0.02	0.112	IO					2.75
23.667	0.01	0.02	0.112	IO					2.75
23.750	0.01	0.02	0.112	IO					2.75
23.833	0.01	0.02	0.112	IO					2.75
23.917	0.01	0.02	0.112	IO					2.75
24.000	0.01	0.02	0.112	IO					2.75
24.083	0.01	0.02	0.112	I O					2.75
24.167	0.00	0.02	0.112	I O					2.75
24.250	0.00	0.02	0.112	I O					2.74
24.333	0.00	0.02	0.112	I O					2.74
24.417	0.00	0.02	0.111	I O					2.74
24.500	0.00	0.02	0.111	I O					2.74
24.583	0.00	0.02	0.111	I O					2.74
24.667	0.00	0.02	0.111	I O					2.73
24.750	0.00	0.02	0.111	I O					2.73
24.833	0.00	0.02	0.111	I O					2.73
24.917	0.00	0.02	0.111	I O					2.73
25.000	0.00	0.02	0.111	I O					2.72
25.083	0.00	0.02	0.111	I O					2.72
25.167	0.00	0.02	0.110	I O					2.72
25.250	0.00	0.02	0.110	I O					2.72
25.333	0.00	0.02	0.110	I O					2.72
25.417	0.00	0.02	0.110	I O					2.71
25.500	0.00	0.02	0.110	I O					2.71
25.583	0.00	0.02	0.110	I O					2.71
25.667	0.00	0.02	0.110	I O					2.71
25.750	0.00	0.02	0.110	I O					2.70
25.833	0.00	0.02	0.110	I O					2.70
25.917	0.00	0.02	0.109	I O					2.70
26.000	0.00	0.02	0.109	I O					2.70
26.083	0.00	0.02	0.109	I O					2.70
26.167	0.00	0.02	0.109	I O					2.69
26.250	0.00	0.02	0.109	I O					2.69
26.333	0.00	0.02	0.109	I O					2.69
26.417	0.00	0.02	0.109	I O					2.69
26.500	0.00	0.02	0.109	I O					2.68
26.583	0.00	0.02	0.109	I O					2.68
26.667	0.00	0.02	0.108	I O					2.68
26.750	0.00	0.02	0.108	I O					2.68
26.833	0.00	0.02	0.108	I O					2.67
26.917	0.00	0.02	0.108	I O					2.67
27.000	0.00	0.02	0.108	I O					2.67

27.083	0.00	0.02	0.108	I 0					2.67
27.167	0.00	0.02	0.108	I 0					2.67
27.250	0.00	0.02	0.108	I 0					2.66
27.333	0.00	0.02	0.108	I 0					2.66
27.417	0.00	0.02	0.107	I 0					2.66
27.500	0.00	0.02	0.107	I 0					2.66
27.583	0.00	0.02	0.107	I 0					2.65
27.667	0.00	0.02	0.107	I 0					2.65
27.750	0.00	0.02	0.107	I 0					2.65
27.833	0.00	0.02	0.107	I 0					2.65
27.917	0.00	0.02	0.107	I 0					2.65
28.000	0.00	0.02	0.107	I 0					2.64
28.083	0.00	0.02	0.106	I 0					2.64
28.167	0.00	0.02	0.106	I 0					2.64
28.250	0.00	0.02	0.106	I 0					2.64
28.333	0.00	0.02	0.106	I 0					2.63
28.417	0.00	0.02	0.106	I 0					2.63
28.500	0.00	0.02	0.106	I 0					2.63
28.583	0.00	0.02	0.106	I 0					2.63
28.667	0.00	0.02	0.106	I 0					2.62
28.750	0.00	0.02	0.106	I 0					2.62
28.833	0.00	0.02	0.105	I 0					2.62
28.917	0.00	0.02	0.105	I 0					2.62
29.000	0.00	0.02	0.105	I 0					2.62
29.083	0.00	0.02	0.105	I 0					2.61
29.167	0.00	0.02	0.105	I 0					2.61
29.250	0.00	0.02	0.105	I 0					2.61
29.333	0.00	0.02	0.105	I 0					2.61
29.417	0.00	0.02	0.105	I 0					2.60
29.500	0.00	0.02	0.104	I 0					2.60
29.583	0.00	0.02	0.104	I 0					2.60
29.667	0.00	0.02	0.104	I 0					2.60
29.750	0.00	0.02	0.104	I 0					2.59
29.833	0.00	0.02	0.104	I 0					2.59
29.917	0.00	0.02	0.104	I 0					2.59
30.000	0.00	0.02	0.104	I 0					2.59
30.083	0.00	0.02	0.104	I 0					2.59
30.167	0.00	0.02	0.104	I 0					2.58
30.250	0.00	0.02	0.103	I 0					2.58
30.333	0.00	0.02	0.103	I 0					2.58
30.417	0.00	0.02	0.103	I 0					2.58
30.500	0.00	0.02	0.103	I 0					2.57
30.583	0.00	0.02	0.103	I 0					2.57
30.667	0.00	0.02	0.103	I 0					2.57
30.750	0.00	0.02	0.103	I 0					2.57
30.833	0.00	0.02	0.103	I 0					2.56
30.917	0.00	0.02	0.102	I 0					2.56
31.000	0.00	0.02	0.102	I 0					2.56
31.083	0.00	0.02	0.102	I 0					2.56
31.167	0.00	0.02	0.102	I 0					2.55

31.250	0.00	0.02	0.102	I 0					2.55
31.333	0.00	0.02	0.102	I 0					2.55
31.417	0.00	0.02	0.102	I 0					2.55
31.500	0.00	0.02	0.102	I 0					2.54
31.583	0.00	0.02	0.101	I 0					2.54
31.667	0.00	0.02	0.101	I 0					2.54
31.750	0.00	0.02	0.101	I 0					2.54
31.833	0.00	0.02	0.101	I 0					2.54
31.917	0.00	0.02	0.101	I 0					2.53
32.000	0.00	0.02	0.101	I 0					2.53
32.083	0.00	0.02	0.101	I 0					2.53
32.167	0.00	0.02	0.101	I 0					2.53
32.250	0.00	0.02	0.100	I 0					2.52
32.333	0.00	0.02	0.100	I 0					2.52
32.417	0.00	0.02	0.100	I 0					2.52
32.500	0.00	0.02	0.100	I 0					2.52
32.583	0.00	0.02	0.100	I 0					2.51
32.667	0.00	0.02	0.100	I 0					2.51
32.750	0.00	0.02	0.100	I 0					2.51
32.833	0.00	0.02	0.100	I 0					2.51
32.917	0.00	0.02	0.100	I 0					2.50
33.000	0.00	0.02	0.099	I 0					2.50
33.083	0.00	0.02	0.099	I 0					2.50
33.167	0.00	0.02	0.099	I 0					2.50
33.250	0.00	0.02	0.099	I 0					2.49
33.333	0.00	0.02	0.099	I 0					2.49
33.417	0.00	0.02	0.099	I 0					2.49
33.500	0.00	0.02	0.099	I 0					2.49
33.583	0.00	0.02	0.099	I 0					2.48
33.667	0.00	0.02	0.098	I 0					2.48
33.750	0.00	0.02	0.098	I 0					2.48
33.833	0.00	0.02	0.098	I 0					2.48
33.917	0.00	0.02	0.098	I 0					2.47
34.000	0.00	0.02	0.098	I 0					2.47
34.083	0.00	0.02	0.098	I 0					2.47
34.167	0.00	0.02	0.098	I 0					2.47
34.250	0.00	0.02	0.098	I 0					2.46
34.333	0.00	0.02	0.097	I 0					2.46
34.417	0.00	0.02	0.097	I 0					2.46
34.500	0.00	0.02	0.097	I 0					2.46
34.583	0.00	0.02	0.097	I 0					2.45
34.667	0.00	0.02	0.097	I 0					2.45
34.750	0.00	0.02	0.097	I 0					2.45
34.833	0.00	0.02	0.097	I 0					2.45
34.917	0.00	0.02	0.097	I 0					2.44
35.000	0.00	0.02	0.096	I 0					2.44
35.083	0.00	0.02	0.096	I 0					2.44
35.167	0.00	0.02	0.096	I 0					2.44
35.250	0.00	0.02	0.096	I 0					2.43
35.333	0.00	0.02	0.096	I 0					2.43

35.417	0.00	0.02	0.096	I 0					2.43
35.500	0.00	0.02	0.096	I 0					2.43
35.583	0.00	0.02	0.095	I 0					2.42
35.667	0.00	0.02	0.095	I 0					2.42
35.750	0.00	0.02	0.095	I 0					2.42
35.833	0.00	0.02	0.095	I 0					2.42
35.917	0.00	0.02	0.095	I 0					2.41
36.000	0.00	0.02	0.095	I 0					2.41
36.083	0.00	0.02	0.095	I 0					2.41
36.167	0.00	0.02	0.095	I 0					2.41
36.250	0.00	0.02	0.094	I 0					2.40
36.333	0.00	0.02	0.094	I 0					2.40
36.417	0.00	0.02	0.094	I 0					2.40
36.500	0.00	0.02	0.094	I 0					2.40
36.583	0.00	0.02	0.094	I 0					2.39
36.667	0.00	0.02	0.094	I 0					2.39
36.750	0.00	0.02	0.094	I 0					2.39
36.833	0.00	0.02	0.094	I 0					2.39
36.917	0.00	0.02	0.093	I 0					2.38
37.000	0.00	0.02	0.093	I 0					2.38
37.083	0.00	0.02	0.093	I 0					2.38
37.167	0.00	0.02	0.093	I 0					2.38
37.250	0.00	0.02	0.093	I 0					2.37
37.333	0.00	0.02	0.093	I 0					2.37
37.417	0.00	0.02	0.093	I 0					2.37
37.500	0.00	0.02	0.092	I 0					2.37
37.583	0.00	0.02	0.092	I 0					2.36
37.667	0.00	0.02	0.092	I 0					2.36
37.750	0.00	0.02	0.092	I 0					2.36
37.833	0.00	0.02	0.092	I 0					2.35
37.917	0.00	0.02	0.092	I 0					2.35
38.000	0.00	0.02	0.092	I 0					2.35
38.083	0.00	0.02	0.092	I 0					2.35
38.167	0.00	0.02	0.091	I 0					2.34
38.250	0.00	0.02	0.091	I 0					2.34
38.333	0.00	0.02	0.091	I 0					2.34
38.417	0.00	0.02	0.091	I 0					2.34
38.500	0.00	0.02	0.091	I 0					2.33
38.583	0.00	0.02	0.091	I 0					2.33
38.667	0.00	0.02	0.091	I 0					2.33
38.750	0.00	0.02	0.091	I 0					2.33
38.833	0.00	0.02	0.090	I 0					2.32
38.917	0.00	0.02	0.090	I 0					2.32
39.000	0.00	0.02	0.090	I 0					2.32
39.083	0.00	0.02	0.090	I 0					2.32
39.167	0.00	0.02	0.090	I 0					2.31
39.250	0.00	0.02	0.090	I 0					2.31
39.333	0.00	0.02	0.090	I 0					2.31
39.417	0.00	0.02	0.089	I 0					2.30
39.500	0.00	0.02	0.089	I 0					2.30

39.583	0.00	0.02	0.089	I 0					2.30
39.667	0.00	0.02	0.089	I 0					2.30
39.750	0.00	0.02	0.089	I 0					2.29
39.833	0.00	0.02	0.089	I 0					2.29
39.917	0.00	0.02	0.089	I 0					2.29
40.000	0.00	0.02	0.088	I 0					2.29
40.083	0.00	0.02	0.088	I 0					2.28
40.167	0.00	0.02	0.088	I 0					2.28
40.250	0.00	0.02	0.088	I 0					2.28
40.333	0.00	0.02	0.088	I 0					2.28
40.417	0.00	0.02	0.088	I 0					2.27
40.500	0.00	0.02	0.088	I 0					2.27
40.583	0.00	0.02	0.088	I 0					2.27
40.667	0.00	0.02	0.087	I 0					2.26
40.750	0.00	0.02	0.087	I 0					2.26
40.833	0.00	0.02	0.087	I 0					2.26
40.917	0.00	0.02	0.087	I 0					2.26
41.000	0.00	0.02	0.087	I 0					2.25
41.083	0.00	0.02	0.087	I 0					2.25
41.167	0.00	0.02	0.087	I 0					2.25
41.250	0.00	0.02	0.086	I 0					2.25
41.333	0.00	0.02	0.086	I 0					2.24
41.417	0.00	0.02	0.086	I 0					2.24
41.500	0.00	0.02	0.086	I 0					2.24
41.583	0.00	0.02	0.086	I 0					2.23
41.667	0.00	0.02	0.086	I 0					2.23
41.750	0.00	0.02	0.086	I 0					2.23
41.833	0.00	0.02	0.085	I 0					2.23
41.917	0.00	0.02	0.085	I 0					2.22
42.000	0.00	0.02	0.085	I 0					2.22
42.083	0.00	0.02	0.085	I 0					2.22
42.167	0.00	0.02	0.085	I 0					2.22
42.250	0.00	0.02	0.085	I 0					2.21
42.333	0.00	0.02	0.085	I 0					2.21
42.417	0.00	0.02	0.084	I 0					2.21
42.500	0.00	0.02	0.084	I 0					2.20
42.583	0.00	0.02	0.084	I 0					2.20
42.667	0.00	0.02	0.084	I 0					2.20
42.750	0.00	0.02	0.084	I 0					2.20
42.833	0.00	0.02	0.084	I 0					2.19
42.917	0.00	0.02	0.084	I 0					2.19
43.000	0.00	0.02	0.084	I 0					2.19
43.083	0.00	0.02	0.083	I 0					2.18
43.167	0.00	0.02	0.083	I 0					2.18
43.250	0.00	0.02	0.083	I 0					2.18
43.333	0.00	0.02	0.083	I 0					2.18
43.417	0.00	0.02	0.083	I 0					2.17
43.500	0.00	0.02	0.083	I 0					2.17
43.583	0.00	0.02	0.083	I 0					2.17
43.667	0.00	0.02	0.082	I 0					2.17

43.750	0.00	0.02	0.082	I 0					2.16
43.833	0.00	0.02	0.082	I 0					2.16
43.917	0.00	0.02	0.082	I 0					2.16
44.000	0.00	0.02	0.082	I 0					2.15
44.083	0.00	0.02	0.082	I 0					2.15
44.167	0.00	0.02	0.082	I 0					2.15
44.250	0.00	0.02	0.081	I 0					2.15
44.333	0.00	0.02	0.081	I 0					2.14
44.417	0.00	0.02	0.081	I 0					2.14
44.500	0.00	0.02	0.081	I 0					2.14
44.583	0.00	0.02	0.081	I 0					2.13
44.667	0.00	0.02	0.081	I 0					2.13
44.750	0.00	0.02	0.081	I 0					2.13
44.833	0.00	0.02	0.080	I 0					2.13
44.917	0.00	0.02	0.080	I 0					2.12
45.000	0.00	0.02	0.080	I 0					2.12
45.083	0.00	0.02	0.080	I 0					2.12
45.167	0.00	0.02	0.080	I 0					2.11
45.250	0.00	0.02	0.080	I 0					2.11
45.333	0.00	0.02	0.079	I 0					2.11
45.417	0.00	0.02	0.079	I 0					2.11
45.500	0.00	0.02	0.079	I 0					2.10
45.583	0.00	0.02	0.079	I 0					2.10
45.667	0.00	0.02	0.079	I 0					2.10
45.750	0.00	0.02	0.079	I 0					2.09
45.833	0.00	0.02	0.079	I 0					2.09
45.917	0.00	0.02	0.078	I 0					2.09
46.000	0.00	0.02	0.078	I 0					2.09
46.083	0.00	0.02	0.078	I 0					2.08
46.167	0.00	0.02	0.078	I 0					2.08
46.250	0.00	0.02	0.078	I 0					2.08
46.333	0.00	0.02	0.078	I 0					2.07
46.417	0.00	0.02	0.078	I 0					2.07
46.500	0.00	0.02	0.077	I 0					2.07
46.583	0.00	0.02	0.077	I 0					2.06
46.667	0.00	0.02	0.077	I 0					2.06
46.750	0.00	0.02	0.077	I 0					2.06
46.833	0.00	0.02	0.077	I 0					2.06
46.917	0.00	0.02	0.077	I 0					2.05
47.000	0.00	0.02	0.077	I 0					2.05
47.083	0.00	0.02	0.076	I 0					2.05
47.167	0.00	0.02	0.076	I 0					2.04
47.250	0.00	0.02	0.076	I 0					2.04
47.333	0.00	0.02	0.076	I 0					2.04
47.417	0.00	0.02	0.076	I 0					2.04
47.500	0.00	0.02	0.076	I 0					2.03
47.583	0.00	0.02	0.076	I 0					2.03
47.667	0.00	0.02	0.075	I 0					2.03
47.750	0.00	0.02	0.075	I 0					2.02
47.833	0.00	0.02	0.075	I 0					2.02

47.917	0.00	0.02	0.075	I	0					2.02
48.000	0.00	0.02	0.075	I	0					2.01
48.083	0.00	0.02	0.075	I	0					2.01
48.167	0.00	0.02	0.074	I	0					2.01
48.250	0.00	0.02	0.074	I	0					2.01
48.333	0.00	0.02	0.074	I	0					2.00
48.417	0.00	0.02	0.074	I	0					2.00
48.500	0.00	0.02	0.074	I	0					2.00
48.583	0.00	0.02	0.074	I	0					1.99
48.667	0.00	0.02	0.074	I	0					1.99
48.750	0.00	0.02	0.073	I	0					1.99
48.833	0.00	0.02	0.073	I	0					1.98
48.917	0.00	0.02	0.073	I	0					1.98
49.000	0.00	0.02	0.073	I	0					1.98
49.083	0.00	0.02	0.073	I	0					1.97
49.167	0.00	0.02	0.073	I	0					1.97
49.250	0.00	0.02	0.072	I	0					1.97
49.333	0.00	0.02	0.072	I	0					1.96
49.417	0.00	0.02	0.072	I	0					1.96
49.500	0.00	0.02	0.072	I	0					1.96
49.583	0.00	0.02	0.072	I	0					1.95
49.667	0.00	0.02	0.072	I	0					1.95
49.750	0.00	0.02	0.072	I	0					1.95
49.833	0.00	0.02	0.071	I	0					1.94
49.917	0.00	0.02	0.071	I	0					1.94
50.000	0.00	0.02	0.071	I	0					1.94
50.083	0.00	0.02	0.071	I	0					1.93
50.167	0.00	0.02	0.071	I	0					1.93
50.250	0.00	0.02	0.071	I	0					1.93
50.333	0.00	0.02	0.071	I	0					1.92
50.417	0.00	0.02	0.070	I	0					1.92
50.500	0.00	0.02	0.070	I	0					1.92
50.583	0.00	0.02	0.070	I	0					1.92
50.667	0.00	0.02	0.070	I	0					1.91
50.750	0.00	0.02	0.070	I	0					1.91
50.833	0.00	0.02	0.070	I	0					1.91
50.917	0.00	0.02	0.070	I	0					1.90
51.000	0.00	0.02	0.069	I	0					1.90
51.083	0.00	0.02	0.069	I	0					1.90
51.167	0.00	0.02	0.069	I	0					1.89
51.250	0.00	0.02	0.069	I	0					1.89
51.333	0.00	0.02	0.069	I	0					1.89
51.417	0.00	0.02	0.069	I	0					1.88
51.500	0.00	0.02	0.068	I	0					1.88
51.583	0.00	0.02	0.068	I	0					1.88
51.667	0.00	0.02	0.068	I	0					1.87
51.750	0.00	0.02	0.068	I	0					1.87
51.833	0.00	0.02	0.068	I	0					1.87
51.917	0.00	0.02	0.068	I	0					1.86
52.000	0.00	0.02	0.068	I	0					1.86

52.083	0.00	0.02	0.067	I 0					1.86
52.167	0.00	0.02	0.067	I 0					1.85
52.250	0.00	0.02	0.067	I 0					1.85
52.333	0.00	0.02	0.067	I 0					1.85
52.417	0.00	0.02	0.067	I 0					1.85
52.500	0.00	0.02	0.067	I 0					1.84
52.583	0.00	0.02	0.067	I 0					1.84
52.667	0.00	0.02	0.066	I 0					1.84
52.750	0.00	0.02	0.066	I 0					1.83
52.833	0.00	0.02	0.066	I 0					1.83
52.917	0.00	0.02	0.066	I 0					1.83
53.000	0.00	0.02	0.066	I 0					1.82
53.083	0.00	0.02	0.066	I 0					1.82
53.167	0.00	0.02	0.066	I 0					1.82
53.250	0.00	0.02	0.065	I 0					1.81
53.333	0.00	0.02	0.065	I 0					1.81
53.417	0.00	0.02	0.065	I 0					1.81
53.500	0.00	0.02	0.065	I 0					1.80
53.583	0.00	0.02	0.065	I 0					1.80
53.667	0.00	0.02	0.065	I 0					1.80
53.750	0.00	0.02	0.065	I 0					1.80
53.833	0.00	0.02	0.064	I 0					1.79
53.917	0.00	0.02	0.064	I 0					1.79
54.000	0.00	0.02	0.064	I 0					1.79
54.083	0.00	0.02	0.064	I 0					1.78
54.167	0.00	0.02	0.064	I 0					1.78
54.250	0.00	0.02	0.064	I 0					1.78
54.333	0.00	0.02	0.064	I 0					1.77
54.417	0.00	0.02	0.063	I 0					1.77
54.500	0.00	0.02	0.063	I 0					1.77
54.583	0.00	0.02	0.063	I 0					1.76
54.667	0.00	0.02	0.063	I 0					1.76
54.750	0.00	0.02	0.063	I 0					1.76
54.833	0.00	0.02	0.063	I 0					1.75
54.917	0.00	0.02	0.063	I 0					1.75
55.000	0.00	0.02	0.062	I 0					1.75
55.083	0.00	0.02	0.062	I 0					1.75
55.167	0.00	0.02	0.062	I 0					1.74
55.250	0.00	0.02	0.062	I 0					1.74
55.333	0.00	0.02	0.062	I 0					1.74
55.417	0.00	0.02	0.062	I 0					1.73
55.500	0.00	0.02	0.062	I 0					1.73
55.583	0.00	0.02	0.061	I 0					1.73
55.667	0.00	0.02	0.061	I 0					1.72
55.750	0.00	0.02	0.061	I 0					1.72
55.833	0.00	0.02	0.061	I 0					1.72
55.917	0.00	0.02	0.061	I 0					1.72
56.000	0.00	0.02	0.061	I 0					1.71
56.083	0.00	0.02	0.061	I 0					1.71
56.167	0.00	0.02	0.060	I 0					1.71

56.250	0.00	0.02	0.060	I 0					1.70
56.333	0.00	0.02	0.060	I 0					1.70
56.417	0.00	0.02	0.060	I 0					1.70
56.500	0.00	0.02	0.060	I 0					1.69
56.583	0.00	0.02	0.060	I 0					1.69
56.667	0.00	0.02	0.060	I 0					1.69
56.750	0.00	0.02	0.060	I 0					1.68
56.833	0.00	0.02	0.059	I 0					1.68
56.917	0.00	0.02	0.059	I 0					1.68
57.000	0.00	0.02	0.059	I 0					1.68
57.083	0.00	0.02	0.059	I 0					1.67
57.167	0.00	0.02	0.059	I 0					1.67
57.250	0.00	0.02	0.059	I 0					1.67
57.333	0.00	0.02	0.059	I 0					1.66
57.417	0.00	0.02	0.058	I 0					1.66
57.500	0.00	0.02	0.058	I 0					1.66
57.583	0.00	0.02	0.058	I 0					1.65
57.667	0.00	0.02	0.058	I 0					1.65
57.750	0.00	0.02	0.058	I 0					1.65
57.833	0.00	0.02	0.058	I 0					1.65
57.917	0.00	0.02	0.058	I 0					1.64
58.000	0.00	0.02	0.057	I 0					1.64
58.083	0.00	0.02	0.057	I 0					1.64
58.167	0.00	0.02	0.057	I 0					1.63
58.250	0.00	0.02	0.057	I 0					1.63
58.333	0.00	0.02	0.057	I 0					1.63
58.417	0.00	0.02	0.057	I 0					1.63
58.500	0.00	0.02	0.057	I 0					1.62
58.583	0.00	0.02	0.056	I 0					1.62
58.667	0.00	0.02	0.056	I 0					1.62
58.750	0.00	0.02	0.056	I 0					1.61
58.833	0.00	0.02	0.056	I 0					1.61
58.917	0.00	0.02	0.056	I 0					1.61
59.000	0.00	0.02	0.056	I 0					1.60
59.083	0.00	0.02	0.056	I 0					1.60
59.167	0.00	0.02	0.056	I 0					1.60
59.250	0.00	0.02	0.055	I 0					1.60
59.333	0.00	0.02	0.055	I 0					1.59
59.417	0.00	0.02	0.055	I 0					1.59
59.500	0.00	0.02	0.055	I 0					1.59
59.583	0.00	0.02	0.055	I 0					1.58
59.667	0.00	0.02	0.055	I 0					1.58
59.750	0.00	0.02	0.055	I 0					1.58
59.833	0.00	0.02	0.054	I 0					1.58
59.917	0.00	0.02	0.054	I 0					1.57
60.000	0.00	0.02	0.054	I 0					1.57
60.083	0.00	0.02	0.054	I 0					1.57
60.167	0.00	0.02	0.054	I 0					1.56
60.250	0.00	0.02	0.054	I 0					1.56
60.333	0.00	0.02	0.054	I 0					1.56

60.417	0.00	0.02	0.054	I 0					1.56
60.500	0.00	0.02	0.053	I 0					1.55
60.583	0.00	0.02	0.053	I 0					1.55
60.667	0.00	0.02	0.053	I 0					1.55
60.750	0.00	0.02	0.053	I 0					1.54
60.833	0.00	0.02	0.053	I 0					1.54
60.917	0.00	0.02	0.053	I 0					1.54
61.000	0.00	0.02	0.053	I 0					1.53
61.083	0.00	0.02	0.052	I 0					1.53
61.167	0.00	0.02	0.052	I 0					1.53
61.250	0.00	0.02	0.052	I 0					1.53
61.333	0.00	0.02	0.052	I 0					1.52
61.417	0.00	0.02	0.052	I 0					1.52
61.500	0.00	0.02	0.052	I 0					1.52
61.583	0.00	0.02	0.052	I 0					1.51
61.667	0.00	0.02	0.052	I 0					1.51
61.750	0.00	0.02	0.051	I 0					1.51
61.833	0.00	0.02	0.051	I 0					1.51
61.917	0.00	0.02	0.051	I 0					1.50
62.000	0.00	0.02	0.051	I 0					1.50
62.083	0.00	0.02	0.051	I 0					1.50
62.167	0.00	0.02	0.051	I 0					1.49
62.250	0.00	0.02	0.051	I 0					1.49
62.333	0.00	0.02	0.051	I 0					1.49
62.417	0.00	0.02	0.050	I 0					1.49
62.500	0.00	0.02	0.050	I 0					1.48
62.583	0.00	0.02	0.050	I 0					1.48
62.667	0.00	0.02	0.050	I 0					1.48
62.750	0.00	0.02	0.050	I 0					1.48
62.833	0.00	0.02	0.050	I 0					1.47
62.917	0.00	0.02	0.050	I 0					1.47
63.000	0.00	0.02	0.049	I 0					1.47
63.083	0.00	0.02	0.049	I 0					1.46
63.167	0.00	0.02	0.049	I 0					1.46
63.250	0.00	0.02	0.049	I 0					1.46
63.333	0.00	0.02	0.049	I 0					1.46
63.417	0.00	0.02	0.049	I 0					1.45
63.500	0.00	0.02	0.049	I 0					1.45
63.583	0.00	0.02	0.049	I 0					1.45
63.667	0.00	0.02	0.048	I 0					1.44
63.750	0.00	0.02	0.048	I 0					1.44
63.833	0.00	0.02	0.048	I 0					1.44
63.917	0.00	0.02	0.048	I 0					1.44
64.000	0.00	0.02	0.048	I 0					1.43
64.083	0.00	0.02	0.048	I 0					1.43
64.167	0.00	0.02	0.048	I 0					1.43
64.250	0.00	0.02	0.048	I 0					1.42
64.333	0.00	0.02	0.047	I 0					1.42
64.417	0.00	0.02	0.047	I 0					1.42
64.500	0.00	0.02	0.047	I 0					1.42

64.583	0.00	0.02	0.047	I 0					1.41
64.667	0.00	0.02	0.047	I 0					1.41
64.750	0.00	0.02	0.047	I 0					1.41
64.833	0.00	0.02	0.047	I 0					1.41
64.917	0.00	0.02	0.047	I 0					1.40
65.000	0.00	0.02	0.046	I 0					1.40
65.083	0.00	0.02	0.046	I 0					1.40
65.167	0.00	0.02	0.046	I 0					1.39
65.250	0.00	0.02	0.046	I 0					1.39
65.333	0.00	0.02	0.046	I 0					1.39
65.417	0.00	0.02	0.046	I 0					1.39
65.500	0.00	0.02	0.046	I 0					1.38
65.583	0.00	0.02	0.046	I 0					1.38
65.667	0.00	0.02	0.045	I 0					1.38
65.750	0.00	0.02	0.045	I 0					1.38
65.833	0.00	0.02	0.045	I 0					1.37
65.917	0.00	0.02	0.045	I 0					1.37
66.000	0.00	0.02	0.045	I 0					1.37
66.083	0.00	0.02	0.045	I 0					1.36
66.167	0.00	0.02	0.045	I 0					1.36
66.250	0.00	0.02	0.044	I 0					1.36
66.333	0.00	0.02	0.044	I 0					1.36
66.417	0.00	0.02	0.044	I 0					1.35
66.500	0.00	0.02	0.044	I 0					1.35
66.583	0.00	0.02	0.044	I 0					1.35
66.667	0.00	0.02	0.044	I 0					1.35
66.750	0.00	0.02	0.044	I 0					1.34
66.833	0.00	0.02	0.044	I 0					1.34
66.917	0.00	0.02	0.044	I 0					1.34
67.000	0.00	0.02	0.043	I 0					1.33
67.083	0.00	0.02	0.043	I 0					1.33
67.167	0.00	0.02	0.043	I 0					1.33
67.250	0.00	0.02	0.043	I 0					1.33
67.333	0.00	0.02	0.043	I 0					1.32
67.417	0.00	0.02	0.043	I 0					1.32
67.500	0.00	0.02	0.043	I 0					1.32
67.583	0.00	0.02	0.043	I 0					1.32
67.667	0.00	0.02	0.042	I 0					1.31
67.750	0.00	0.02	0.042	I 0					1.31
67.833	0.00	0.02	0.042	I 0					1.31
67.917	0.00	0.02	0.042	I 0					1.30
68.000	0.00	0.02	0.042	I 0					1.30
68.083	0.00	0.02	0.042	I 0					1.30
68.167	0.00	0.02	0.042	I 0					1.30
68.250	0.00	0.02	0.042	I 0					1.29
68.333	0.00	0.02	0.041	I 0					1.29
68.417	0.00	0.02	0.041	I 0					1.29
68.500	0.00	0.02	0.041	I 0					1.29
68.583	0.00	0.02	0.041	I 0					1.28
68.667	0.00	0.02	0.041	I 0					1.28

68.750	0.00	0.02	0.041	I 0					1.28
68.833	0.00	0.02	0.041	I 0					1.28
68.917	0.00	0.02	0.041	I 0					1.27
69.000	0.00	0.02	0.040	I 0					1.27
69.083	0.00	0.02	0.040	I 0					1.27
69.167	0.00	0.02	0.040	I 0					1.27
69.250	0.00	0.02	0.040	I 0					1.26
69.333	0.00	0.02	0.040	I 0					1.26
69.417	0.00	0.02	0.040	I 0					1.26
69.500	0.00	0.02	0.040	I 0					1.25
69.583	0.00	0.02	0.040	I 0					1.25
69.667	0.00	0.02	0.039	I 0					1.25
69.750	0.00	0.02	0.039	I 0					1.25
69.833	0.00	0.02	0.039	I 0					1.24
69.917	0.00	0.02	0.039	I 0					1.24
70.000	0.00	0.02	0.039	I 0					1.24
70.083	0.00	0.02	0.039	I 0					1.24
70.167	0.00	0.02	0.039	I 0					1.23
70.250	0.00	0.02	0.039	I 0					1.23
70.333	0.00	0.02	0.039	I 0					1.23
70.417	0.00	0.02	0.038	I 0					1.23
70.500	0.00	0.02	0.038	I 0					1.22
70.583	0.00	0.02	0.038	I 0					1.22
70.667	0.00	0.02	0.038	I 0					1.22
70.750	0.00	0.02	0.038	I 0					1.22
70.833	0.00	0.02	0.038	I 0					1.21
70.917	0.00	0.02	0.038	I 0					1.21
71.000	0.00	0.02	0.038	I 0					1.21
71.083	0.00	0.02	0.037	I 0					1.21
71.167	0.00	0.02	0.037	I 0					1.20
71.250	0.00	0.02	0.037	I 0					1.20
71.333	0.00	0.02	0.037	I 0					1.20
71.417	0.00	0.02	0.037	I 0					1.19
71.500	0.00	0.02	0.037	I 0					1.19
71.583	0.00	0.02	0.037	I 0					1.19
71.667	0.00	0.02	0.037	I 0					1.19
71.750	0.00	0.02	0.036	I 0					1.18
71.833	0.00	0.02	0.036	I 0					1.18
71.917	0.00	0.02	0.036	I 0					1.18
72.000	0.00	0.02	0.036	I 0					1.18
72.083	0.00	0.02	0.036	I 0					1.17
72.167	0.00	0.02	0.036	I 0					1.17
72.250	0.00	0.02	0.036	I 0					1.17
72.333	0.00	0.02	0.036	I 0					1.17
72.417	0.00	0.02	0.036	I 0					1.16
72.500	0.00	0.02	0.035	I 0					1.16
72.583	0.00	0.02	0.035	I 0					1.16
72.667	0.00	0.02	0.035	I 0					1.16
72.750	0.00	0.02	0.035	I 0					1.15
72.833	0.00	0.02	0.035	I 0					1.15

72.917	0.00	0.02	0.035	I 0					1.15
73.000	0.00	0.02	0.035	I 0					1.15
73.083	0.00	0.02	0.035	I 0					1.14
73.167	0.00	0.02	0.035	I 0					1.14
73.250	0.00	0.02	0.034	I 0					1.14
73.333	0.00	0.02	0.034	I 0					1.14
73.417	0.00	0.02	0.034	I 0					1.13
73.500	0.00	0.02	0.034	I 0					1.13
73.583	0.00	0.02	0.034	I 0					1.13
73.667	0.00	0.02	0.034	I 0					1.13
73.750	0.00	0.02	0.034	I 0					1.12
73.833	0.00	0.02	0.034	I 0					1.12
73.917	0.00	0.02	0.033	I 0					1.12
74.000	0.00	0.02	0.033	I 0					1.12
74.083	0.00	0.02	0.033	I 0					1.11
74.167	0.00	0.02	0.033	I 0					1.11
74.250	0.00	0.02	0.033	I 0					1.11
74.333	0.00	0.02	0.033	I 0					1.11
74.417	0.00	0.02	0.033	I 0					1.10
74.500	0.00	0.02	0.033	I 0					1.10
74.583	0.00	0.02	0.033	I 0					1.10
74.667	0.00	0.02	0.032	I 0					1.10
74.750	0.00	0.02	0.032	I 0					1.09
74.833	0.00	0.02	0.032	I 0					1.09
74.917	0.00	0.02	0.032	I 0					1.09
75.000	0.00	0.02	0.032	I 0					1.09
75.083	0.00	0.02	0.032	I 0					1.08
75.167	0.00	0.02	0.032	I 0					1.08
75.250	0.00	0.02	0.032	I 0					1.08
75.333	0.00	0.02	0.032	I 0					1.08
75.417	0.00	0.02	0.031	I 0					1.07
75.500	0.00	0.02	0.031	I 0					1.07
75.583	0.00	0.02	0.031	I 0					1.07
75.667	0.00	0.02	0.031	I 0					1.07
75.750	0.00	0.02	0.031	I 0					1.06
75.833	0.00	0.02	0.031	I 0					1.06
75.917	0.00	0.02	0.031	I 0					1.06
76.000	0.00	0.02	0.031	I 0					1.06
76.083	0.00	0.02	0.031	I 0					1.05
76.167	0.00	0.02	0.030	I 0					1.05
76.250	0.00	0.02	0.030	I 0					1.05
76.333	0.00	0.02	0.030	I 0					1.05
76.417	0.00	0.02	0.030	I 0					1.04
76.500	0.00	0.02	0.030	I 0					1.04
76.583	0.00	0.02	0.030	I 0					1.04
76.667	0.00	0.02	0.030	I 0					1.04
76.750	0.00	0.02	0.030	I 0					1.03
76.833	0.00	0.02	0.029	I 0					1.03
76.917	0.00	0.02	0.029	I 0					1.03
77.000	0.00	0.02	0.029	I 0					1.03

77.083	0.00	0.02	0.029	I 0					1.03
77.167	0.00	0.02	0.029	I 0					1.02
77.250	0.00	0.02	0.029	I 0					1.02
77.333	0.00	0.02	0.029	I 0					1.02
77.417	0.00	0.02	0.029	I 0					1.02
77.500	0.00	0.02	0.029	I 0					1.01
77.583	0.00	0.02	0.028	I 0					1.01
77.667	0.00	0.02	0.028	I 0					1.01
77.750	0.00	0.02	0.028	I 0					1.01
77.833	0.00	0.02	0.028	I 0					1.00
77.917	0.00	0.02	0.028	I 0					1.00
78.000	0.00	0.02	0.028	I 0					1.00
78.083	0.00	0.02	0.028	I 0					0.99
78.167	0.00	0.02	0.028	I 0					0.99
78.250	0.00	0.02	0.028	I 0					0.99
78.333	0.00	0.02	0.028	I 0					0.98
78.417	0.00	0.02	0.027	I 0					0.98
78.500	0.00	0.02	0.027	I 0					0.97
78.583	0.00	0.02	0.027	I 0					0.97
78.667	0.00	0.02	0.027	I 0					0.97
78.750	0.00	0.02	0.027	I 0					0.96
78.833	0.00	0.02	0.027	I 0					0.96
78.917	0.00	0.02	0.027	I 0					0.95
79.000	0.00	0.02	0.027	I 0					0.95
79.083	0.00	0.02	0.027	I 0					0.95
79.167	0.00	0.02	0.026	I 0					0.94
79.250	0.00	0.02	0.026	I 0					0.94
79.333	0.00	0.02	0.026	I 0					0.94
79.417	0.00	0.02	0.026	I 0					0.93
79.500	0.00	0.02	0.026	I 0					0.93
79.583	0.00	0.02	0.026	I 0					0.92
79.667	0.00	0.02	0.026	I 0					0.92
79.750	0.00	0.02	0.026	I 0					0.92
79.833	0.00	0.02	0.026	I 0					0.91
79.917	0.00	0.02	0.025	I 0					0.91
80.000	0.00	0.02	0.025	I 0					0.90
80.083	0.00	0.02	0.025	I 0					0.90
80.167	0.00	0.02	0.025	I 0					0.90
80.250	0.00	0.02	0.025	I 0					0.89
80.333	0.00	0.02	0.025	I 0					0.89
80.417	0.00	0.02	0.025	I 0					0.89
80.500	0.00	0.01	0.025	I 0					0.88
80.583	0.00	0.01	0.025	I 0					0.88
80.667	0.00	0.01	0.025	I 0					0.87
80.750	0.00	0.01	0.024	I 0					0.87
80.833	0.00	0.01	0.024	I 0					0.87
80.917	0.00	0.01	0.024	I 0					0.86
81.000	0.00	0.01	0.024	I 0					0.86
81.083	0.00	0.01	0.024	I 0					0.86
81.167	0.00	0.01	0.024	I 0					0.85

81.250	0.00	0.01	0.024	I 0					0.85
81.333	0.00	0.01	0.024	I 0					0.85
81.417	0.00	0.01	0.024	I 0					0.84
81.500	0.00	0.01	0.024	I 0					0.84
81.583	0.00	0.01	0.023	I 0					0.83
81.667	0.00	0.01	0.023	IO					0.83
81.750	0.00	0.01	0.023	IO					0.83
81.833	0.00	0.01	0.023	IO					0.82
81.917	0.00	0.01	0.023	IO					0.82
82.000	0.00	0.01	0.023	IO					0.82
82.083	0.00	0.01	0.023	IO					0.81
82.167	0.00	0.01	0.023	IO					0.81
82.250	0.00	0.01	0.023	IO					0.81
82.333	0.00	0.01	0.023	IO					0.80
82.417	0.00	0.01	0.022	IO					0.80
82.500	0.00	0.01	0.022	IO					0.79
82.583	0.00	0.01	0.022	IO					0.79
82.667	0.00	0.01	0.022	IO					0.79
82.750	0.00	0.01	0.022	IO					0.78
82.833	0.00	0.01	0.022	IO					0.78
82.917	0.00	0.01	0.022	IO					0.78
83.000	0.00	0.01	0.022	IO					0.77
83.083	0.00	0.01	0.022	IO					0.77
83.167	0.00	0.01	0.022	IO					0.77
83.250	0.00	0.01	0.021	IO					0.76
83.333	0.00	0.01	0.021	IO					0.76
83.417	0.00	0.01	0.021	IO					0.76
83.500	0.00	0.01	0.021	IO					0.75
83.583	0.00	0.01	0.021	IO					0.75
83.667	0.00	0.01	0.021	IO					0.75
83.750	0.00	0.01	0.021	IO					0.74
83.833	0.00	0.01	0.021	IO					0.74
83.917	0.00	0.01	0.021	IO					0.74
84.000	0.00	0.01	0.021	IO					0.73
84.083	0.00	0.01	0.020	IO					0.73
84.167	0.00	0.01	0.020	IO					0.73
84.250	0.00	0.01	0.020	IO					0.72
84.333	0.00	0.01	0.020	IO					0.72
84.417	0.00	0.01	0.020	IO					0.72
84.500	0.00	0.01	0.020	IO					0.71
84.583	0.00	0.01	0.020	IO					0.71
84.667	0.00	0.01	0.020	IO					0.71
84.750	0.00	0.01	0.020	IO					0.70
84.833	0.00	0.01	0.020	IO					0.70
84.917	0.00	0.01	0.020	IO					0.70
85.000	0.00	0.01	0.019	IO					0.69
85.083	0.00	0.01	0.019	IO					0.69
85.167	0.00	0.01	0.019	IO					0.69
85.250	0.00	0.01	0.019	IO					0.68
85.333	0.00	0.01	0.019	IO					0.68

85.417	0.00	0.01	0.019	IO					0.68
85.500	0.00	0.01	0.019	IO					0.67
85.583	0.00	0.01	0.019	IO					0.67
85.667	0.00	0.01	0.019	IO					0.67
85.750	0.00	0.01	0.019	IO					0.66
85.833	0.00	0.01	0.019	IO					0.66
85.917	0.00	0.01	0.018	IO					0.66
86.000	0.00	0.01	0.018	IO					0.65
86.083	0.00	0.01	0.018	IO					0.65
86.167	0.00	0.01	0.018	IO					0.65
86.250	0.00	0.01	0.018	IO					0.64
86.333	0.00	0.01	0.018	IO					0.64
86.417	0.00	0.01	0.018	IO					0.64
86.500	0.00	0.01	0.018	IO					0.63
86.583	0.00	0.01	0.018	IO					0.63
86.667	0.00	0.01	0.018	IO					0.63
86.750	0.00	0.01	0.018	IO					0.62
86.833	0.00	0.01	0.017	IO					0.62
86.917	0.00	0.01	0.017	IO					0.62
87.000	0.00	0.01	0.017	IO					0.61
87.083	0.00	0.01	0.017	IO					0.61
87.167	0.00	0.01	0.017	IO					0.61
87.250	0.00	0.01	0.017	IO					0.60
87.333	0.00	0.01	0.017	IO					0.60
87.417	0.00	0.01	0.017	IO					0.60
87.500	0.00	0.01	0.017	IO					0.59
87.583	0.00	0.01	0.017	IO					0.59
87.667	0.00	0.01	0.017	IO					0.59
87.750	0.00	0.01	0.017	IO					0.59
87.833	0.00	0.01	0.016	IO					0.58
87.917	0.00	0.01	0.016	IO					0.58
88.000	0.00	0.01	0.016	IO					0.58
88.083	0.00	0.01	0.016	IO					0.57
88.167	0.00	0.01	0.016	IO					0.57
88.250	0.00	0.01	0.016	IO					0.57
88.333	0.00	0.01	0.016	IO					0.56
88.417	0.00	0.01	0.016	IO					0.56
88.500	0.00	0.01	0.016	IO					0.56
88.583	0.00	0.01	0.016	IO					0.55
88.667	0.00	0.01	0.016	IO					0.55
88.750	0.00	0.01	0.016	IO					0.55
88.833	0.00	0.01	0.015	IO					0.55
88.917	0.00	0.01	0.015	IO					0.54
89.000	0.00	0.01	0.015	IO					0.54
89.083	0.00	0.01	0.015	IO					0.54
89.167	0.00	0.01	0.015	IO					0.53
89.250	0.00	0.01	0.015	IO					0.53
89.333	0.00	0.01	0.015	IO					0.53
89.417	0.00	0.01	0.015	IO					0.52
89.500	0.00	0.01	0.015	IO					0.52

89.583	0.00	0.01	0.015	IO					0.52
89.667	0.00	0.01	0.015	IO					0.52
89.750	0.00	0.01	0.015	IO					0.51
89.833	0.00	0.01	0.014	IO					0.51
89.917	0.00	0.01	0.014	IO					0.51
90.000	0.00	0.01	0.014	IO					0.50
90.083	0.00	0.01	0.014	IO					0.50
90.167	0.00	0.01	0.014	IO					0.50
90.250	0.00	0.01	0.014	IO					0.50
90.333	0.00	0.01	0.014	IO					0.49
90.417	0.00	0.01	0.014	IO					0.49
90.500	0.00	0.01	0.014	IO					0.49
90.583	0.00	0.01	0.014	IO					0.48
90.667	0.00	0.01	0.014	IO					0.48
90.750	0.00	0.01	0.014	IO					0.48
90.833	0.00	0.01	0.013	IO					0.48
90.917	0.00	0.01	0.013	IO					0.47
91.000	0.00	0.01	0.013	IO					0.47
91.083	0.00	0.01	0.013	IO					0.47
91.167	0.00	0.01	0.013	IO					0.46
91.250	0.00	0.01	0.013	IO					0.46
91.333	0.00	0.01	0.013	IO					0.46
91.417	0.00	0.01	0.013	IO					0.46
91.500	0.00	0.01	0.013	IO					0.45
91.583	0.00	0.01	0.013	IO					0.45
91.667	0.00	0.01	0.013	IO					0.45
91.750	0.00	0.01	0.013	IO					0.44
91.833	0.00	0.01	0.013	IO					0.44
91.917	0.00	0.01	0.012	IO					0.44
92.000	0.00	0.01	0.012	IO					0.44
92.083	0.00	0.01	0.012	IO					0.43
92.167	0.00	0.01	0.012	IO					0.43
92.250	0.00	0.01	0.012	IO					0.43
92.333	0.00	0.01	0.012	IO					0.42
92.417	0.00	0.01	0.012	IO					0.42
92.500	0.00	0.01	0.012	IO					0.42
92.583	0.00	0.01	0.012	IO					0.42
92.667	0.00	0.01	0.012	IO					0.41
92.750	0.00	0.01	0.012	IO					0.41
92.833	0.00	0.01	0.012	IO					0.41
92.917	0.00	0.01	0.012	IO					0.41
93.000	0.00	0.01	0.011	IO					0.40
93.083	0.00	0.01	0.011	IO					0.40
93.167	0.00	0.01	0.011	IO					0.40
93.250	0.00	0.01	0.011	IO					0.39
93.333	0.00	0.01	0.011	IO					0.39
93.417	0.00	0.01	0.011	IO					0.39
93.500	0.00	0.01	0.011	IO					0.39
93.583	0.00	0.01	0.011	IO					0.38
93.667	0.00	0.01	0.011	IO					0.38

93.750	0.00	0.01	0.011	IO					0.38
93.833	0.00	0.01	0.011	IO					0.38
93.917	0.00	0.01	0.011	IO					0.37
94.000	0.00	0.01	0.011	IO					0.37
94.083	0.00	0.01	0.011	IO					0.37
94.167	0.00	0.01	0.010	IO					0.36
94.250	0.00	0.01	0.010	IO					0.36
94.333	0.00	0.01	0.010	IO					0.36
94.417	0.00	0.01	0.010	IO					0.36
94.500	0.00	0.01	0.010	IO					0.35
94.583	0.00	0.01	0.010	IO					0.35
94.667	0.00	0.01	0.010	IO					0.35
94.750	0.00	0.01	0.010	IO					0.35
94.833	0.00	0.01	0.010	IO					0.34
94.917	0.00	0.01	0.010	IO					0.34
95.000	0.00	0.01	0.010	IO					0.34
95.083	0.00	0.01	0.010	IO					0.34
95.167	0.00	0.01	0.010	IO					0.33
95.250	0.00	0.01	0.009	IO					0.33
95.333	0.00	0.01	0.009	IO					0.33
95.417	0.00	0.01	0.009	IO					0.33
95.500	0.00	0.01	0.009	IO					0.32
95.583	0.00	0.01	0.009	IO					0.32
95.667	0.00	0.01	0.009	IO					0.32
95.750	0.00	0.01	0.009	IO					0.32
95.833	0.00	0.01	0.009	IO					0.31
95.917	0.00	0.01	0.009	IO					0.31
96.000	0.00	0.01	0.009	IO					0.31
96.083	0.00	0.01	0.009	IO					0.31
96.167	0.00	0.01	0.009	IO					0.30
96.250	0.00	0.01	0.009	IO					0.30
96.333	0.00	0.01	0.009	IO					0.30
96.417	0.00	0.01	0.009	IO					0.30
96.500	0.00	0.01	0.008	IO					0.29
96.583	0.00	0.01	0.008	IO					0.29
96.667	0.00	0.01	0.008	IO					0.29
96.750	0.00	0.01	0.008	IO					0.29
96.833	0.00	0.01	0.008	IO					0.28
96.917	0.00	0.01	0.008	IO					0.28
97.000	0.00	0.01	0.008	IO					0.28
97.083	0.00	0.01	0.008	IO					0.28
97.167	0.00	0.01	0.008	IO					0.27
97.250	0.00	0.01	0.008	IO					0.27
97.333	0.00	0.01	0.008	IO					0.27
97.417	0.00	0.01	0.008	IO					0.27
97.500	0.00	0.01	0.008	IO					0.26
97.583	0.00	0.01	0.008	IO					0.26
97.667	0.00	0.01	0.008	IO					0.26
97.750	0.00	0.01	0.007	IO					0.26
97.833	0.00	0.01	0.007	IO					0.25

97.917	0.00	0.01	0.007	IO					0.25
98.000	0.00	0.01	0.007	IO					0.25
98.083	0.00	0.01	0.007	IO					0.25
98.167	0.00	0.01	0.007	IO					0.24
98.250	0.00	0.01	0.007	IO					0.24
98.333	0.00	0.01	0.007	IO					0.24
98.417	0.00	0.01	0.007	IO					0.24
98.500	0.00	0.01	0.007	IO					0.24
98.583	0.00	0.01	0.007	IO					0.23
98.667	0.00	0.01	0.007	IO					0.23
98.750	0.00	0.01	0.007	IO					0.23
98.833	0.00	0.01	0.007	IO					0.23
98.917	0.00	0.01	0.007	IO					0.22
99.000	0.00	0.01	0.006	IO					0.22
99.083	0.00	0.01	0.006	IO					0.22
99.167	0.00	0.01	0.006	IO					0.22
99.250	0.00	0.01	0.006	IO					0.21
99.333	0.00	0.01	0.006	IO					0.21
99.417	0.00	0.01	0.006	IO					0.21
99.500	0.00	0.01	0.006	IO					0.21
99.583	0.00	0.01	0.006	IO					0.20
99.667	0.00	0.01	0.006	IO					0.20
99.750	0.00	0.01	0.006	IO					0.20
99.833	0.00	0.01	0.006	IO					0.20
99.917	0.00	0.01	0.006	IO					0.20
100.000	0.00	0.01	0.006	IO					0.19
100.083	0.00	0.01	0.006	IO					0.19
100.167	0.00	0.01	0.006	IO					0.19
100.250	0.00	0.01	0.005	IO					0.19
100.333	0.00	0.01	0.005	IO					0.18
100.417	0.00	0.01	0.005	IO					0.18
100.500	0.00	0.01	0.005	IO					0.18
100.583	0.00	0.01	0.005	IO					0.18
100.667	0.00	0.01	0.005	IO					0.18
100.750	0.00	0.01	0.005	IO					0.17
100.833	0.00	0.01	0.005	IO					0.17
100.917	0.00	0.01	0.005	IO					0.17
101.000	0.00	0.01	0.005	IO					0.17
101.083	0.00	0.01	0.005	IO					0.16
101.167	0.00	0.01	0.005	IO					0.16
101.250	0.00	0.01	0.005	IO					0.16
101.333	0.00	0.01	0.005	IO					0.16
101.417	0.00	0.01	0.005	IO					0.16
101.500	0.00	0.01	0.005	IO					0.15
101.583	0.00	0.01	0.005	IO					0.15
101.667	0.00	0.01	0.004	IO					0.15
101.750	0.00	0.01	0.004	IO					0.15
101.833	0.00	0.01	0.004	IO					0.14
101.917	0.00	0.01	0.004	IO					0.14
102.000	0.00	0.01	0.004	IO					0.14

102.083	0.00	0.01	0.004	IO					0.14
102.167	0.00	0.01	0.004	IO					0.14
102.250	0.00	0.01	0.004	IO					0.13
102.333	0.00	0.01	0.004	IO					0.13
102.417	0.00	0.01	0.004	IO					0.13
102.500	0.00	0.01	0.004	IO					0.13
102.583	0.00	0.01	0.004	IO					0.13
102.667	0.00	0.01	0.004	IO					0.12
102.750	0.00	0.01	0.004	IO					0.12
102.833	0.00	0.01	0.004	IO					0.12
102.917	0.00	0.01	0.004	IO					0.12
103.000	0.00	0.01	0.004	IO					0.11
103.083	0.00	0.01	0.003	IO					0.11
103.167	0.00	0.01	0.003	IO					0.11
103.250	0.00	0.01	0.003	IO					0.11
103.333	0.00	0.01	0.003	IO					0.11
103.417	0.00	0.01	0.003	IO					0.10
103.500	0.00	0.01	0.003	IO					0.10
103.583	0.00	0.01	0.003	IO					0.10
103.667	0.00	0.01	0.003	IO					0.10
103.750	0.00	0.01	0.003	IO					0.10
103.833	0.00	0.01	0.003	IO					0.09
103.917	0.00	0.01	0.003	IO					0.09
104.000	0.00	0.01	0.003	IO					0.09
104.083	0.00	0.01	0.003	IO					0.09
104.167	0.00	0.01	0.003	IO					0.09
104.250	0.00	0.01	0.003	IO					0.08
104.333	0.00	0.01	0.003	IO					0.08
104.417	0.00	0.01	0.003	IO					0.08
104.500	0.00	0.01	0.002	IO					0.08
104.583	0.00	0.01	0.002	IO					0.08
104.667	0.00	0.01	0.002	IO					0.07
104.750	0.00	0.01	0.002	IO					0.07
104.833	0.00	0.01	0.002	IO					0.07
104.917	0.00	0.01	0.002	IO					0.07
105.000	0.00	0.01	0.002	IO					0.07
105.083	0.00	0.01	0.002	IO					0.06
105.167	0.00	0.01	0.002	IO					0.06
105.250	0.00	0.01	0.002	IO					0.06
105.333	0.00	0.01	0.002	IO					0.06
105.417	0.00	0.01	0.002	IO					0.06
105.500	0.00	0.01	0.002	O					0.05
105.583	0.00	0.01	0.002	O					0.05
105.667	0.00	0.01	0.002	O					0.05
105.750	0.00	0.01	0.002	O					0.05
105.833	0.00	0.01	0.002	O					0.05
105.917	0.00	0.01	0.002	O					0.05
106.000	0.00	0.01	0.002	O					0.05
106.083	0.00	0.01	0.002	O					0.05
106.167	0.00	0.01	0.001	O					0.04

106.250	0.00	0.01	0.001	0					0.04
106.333	0.00	0.01	0.001	0					0.04
106.417	0.00	0.01	0.001	0					0.04
106.500	0.00	0.01	0.001	0					0.04
106.583	0.00	0.01	0.001	0					0.04
106.667	0.00	0.00	0.001	0					0.04
106.750	0.00	0.00	0.001	0					0.04
106.833	0.00	0.00	0.001	0					0.04
106.917	0.00	0.00	0.001	0					0.03
107.000	0.00	0.00	0.001	0					0.03
107.083	0.00	0.00	0.001	0					0.03
107.167	0.00	0.00	0.001	0					0.03
107.250	0.00	0.00	0.001	0					0.03
107.333	0.00	0.00	0.001	0					0.03
107.417	0.00	0.00	0.001	0					0.03
107.500	0.00	0.00	0.001	0					0.03
107.583	0.00	0.00	0.001	0					0.03
107.667	0.00	0.00	0.001	0					0.03
107.750	0.00	0.00	0.001	0					0.03
107.833	0.00	0.00	0.001	0					0.03
107.917	0.00	0.00	0.001	0					0.02
108.000	0.00	0.00	0.001	0					0.02
108.083	0.00	0.00	0.001	0					0.02
108.167	0.00	0.00	0.001	0					0.02
108.250	0.00	0.00	0.001	0					0.02
108.333	0.00	0.00	0.001	0					0.02
108.417	0.00	0.00	0.001	0					0.02
108.500	0.00	0.00	0.001	0					0.02
108.583	0.00	0.00	0.001	0					0.02
108.667	0.00	0.00	0.001	0					0.02
108.750	0.00	0.00	0.001	0					0.02
108.833	0.00	0.00	0.001	0					0.02
108.917	0.00	0.00	0.001	0					0.02
109.000	0.00	0.00	0.001	0					0.02
109.083	0.00	0.00	0.001	0					0.02
109.167	0.00	0.00	0.001	0					0.02
109.250	0.00	0.00	0.001	0					0.02
109.333	0.00	0.00	0.001	0					0.02
109.417	0.00	0.00	0.000	0					0.01
109.500	0.00	0.00	0.000	0					0.01
109.583	0.00	0.00	0.000	0					0.01
109.667	0.00	0.00	0.000	0					0.01
109.750	0.00	0.00	0.000	0					0.01
109.833	0.00	0.00	0.000	0					0.01
109.917	0.00	0.00	0.000	0					0.01
110.000	0.00	0.00	0.000	0					0.01
110.083	0.00	0.00	0.000	0					0.01
110.167	0.00	0.00	0.000	0					0.01
110.250	0.00	0.00	0.000	0					0.01
110.333	0.00	0.00	0.000	0					0.01

110.417	0.00	0.00	0.000	0					0.01
110.500	0.00	0.00	0.000	0					0.01
110.583	0.00	0.00	0.000	0					0.01
110.667	0.00	0.00	0.000	0					0.01
110.750	0.00	0.00	0.000	0					0.01
110.833	0.00	0.00	0.000	0					0.01
110.917	0.00	0.00	0.000	0					0.01
111.000	0.00	0.00	0.000	0					0.01
111.083	0.00	0.00	0.000	0					0.01
111.167	0.00	0.00	0.000	0					0.01
111.250	0.00	0.00	0.000	0					0.01
111.333	0.00	0.00	0.000	0					0.01
111.417	0.00	0.00	0.000	0					0.01
111.500	0.00	0.00	0.000	0					0.01
111.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1339

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.022 (CFS)

Total volume = 0.141 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
2 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da162.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.660 (CFS)
Total volume = 0.083 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.33	0.50	0.66	Depth (Ft.)
0.083	0.04	0.00	0.000	O I					0.00
0.167	0.07	0.00	0.000	O I					0.01
0.250	0.07	0.00	0.001	O I					0.03
0.333	0.07	0.01	0.001	O I					0.04
0.417	0.07	0.01	0.002	O I					0.06
0.500	0.08	0.01	0.002	O I					0.07
0.583	0.08	0.01	0.003	O I					0.09
0.667	0.08	0.01	0.003	O I					0.11
0.750	0.08	0.01	0.004	O I					0.13
0.833	0.08	0.01	0.004	O I					0.15
0.917	0.08	0.01	0.005	O I					0.16
1.000	0.09	0.01	0.005	O I					0.18
1.083	0.10	0.01	0.006	O I					0.21
1.167	0.10	0.01	0.007	O I					0.23
1.250	0.10	0.01	0.007	O I					0.25
1.333	0.10	0.01	0.008	O I					0.27
1.417	0.10	0.01	0.008	O I					0.29
1.500	0.10	0.01	0.009	O I					0.31
1.583	0.10	0.01	0.010	O I					0.33
1.667	0.10	0.01	0.010	O I					0.36
1.750	0.10	0.01	0.011	O I					0.38
1.833	0.10	0.01	0.011	O I					0.40
1.917	0.10	0.01	0.012	O I					0.42
2.000	0.10	0.01	0.013	O I					0.44

2.083	0.10	0.01	0.013	0	I						0.46
2.167	0.10	0.01	0.014	0	I						0.49
2.250	0.11	0.01	0.014	0	I						0.51
2.333	0.11	0.01	0.015	0	I						0.54
2.417	0.11	0.01	0.016	0	I						0.56
2.500	0.11	0.01	0.016	0	I						0.58
2.583	0.11	0.01	0.017	0	I						0.61
2.667	0.11	0.01	0.018	0	I						0.63
2.750	0.12	0.01	0.018	0	I						0.66
2.833	0.12	0.01	0.019	0	I						0.68
2.917	0.12	0.01	0.020	0	I						0.71
3.000	0.12	0.01	0.021	0	I						0.73
3.083	0.12	0.01	0.021	0	I						0.76
3.167	0.13	0.01	0.022	0	I						0.79
3.250	0.13	0.01	0.023	0	I						0.82
3.333	0.13	0.01	0.024	0	I						0.85
3.417	0.14	0.01	0.025	0	I						0.88
3.500	0.15	0.02	0.025	0	I						0.91
3.583	0.16	0.02	0.026	0	I						0.94
3.667	0.17	0.02	0.028	0	I						0.98
3.750	0.18	0.02	0.029	0	I						1.01
3.833	0.18	0.02	0.030	0	I						1.04
3.917	0.19	0.02	0.031	0		I					1.06
4.000	0.19	0.02	0.032	0		I					1.09
4.083	0.20	0.02	0.033	0		I					1.11
4.167	0.21	0.02	0.035	0		I					1.14
4.250	0.22	0.02	0.036	0		I					1.17
4.333	0.24	0.02	0.037	0		I					1.21
4.417	0.25	0.02	0.039	0		I					1.24
4.500	0.25	0.02	0.041	0		I					1.27
4.583	0.26	0.02	0.042	0		I					1.31
4.667	0.27	0.02	0.044	0		I					1.35
4.750	0.28	0.02	0.046	0		I					1.39
4.833	0.29	0.02	0.048	0		I					1.43
4.917	0.30	0.02	0.049	0		I					1.47
5.000	0.31	0.02	0.051	0		I					1.51
5.083	0.35	0.02	0.054	0			I				1.56
5.167	0.41	0.02	0.056	0				I			1.61
5.250	0.45	0.02	0.059	0				I			1.67
5.333	0.49	0.02	0.062	0				I			1.74
5.417	0.55	0.02	0.065	0					I		1.81
5.500	0.66	0.02	0.069	0						I	1.90
5.583	0.41	0.02	0.073	0			I				1.98
5.667	0.17	0.02	0.075	0	I						2.02
5.750	0.09	0.02	0.076	0	I						2.03
5.833	0.07	0.02	0.076	0	I						2.04
5.917	0.05	0.02	0.076	0	I						2.04
6.000	0.03	0.02	0.076	0							2.04
6.083	0.01	0.02	0.076	0							2.04
6.167	0.00	0.02	0.076	0							2.04

6.250	0.00	0.02	0.076	IO					2.04
6.333	0.00	0.02	0.076	IO					2.04
6.417	0.00	0.02	0.076	IO					2.03
6.500	0.00	0.02	0.076	IO					2.03
6.583	0.00	0.02	0.075	IO					2.03
6.667	0.00	0.02	0.075	IO					2.02
6.750	0.00	0.02	0.075	IO					2.02
6.833	0.00	0.02	0.075	IO					2.02
6.917	0.00	0.02	0.075	IO					2.02
7.000	0.00	0.02	0.075	IO					2.01
7.083	0.00	0.02	0.074	IO					2.01
7.167	0.00	0.02	0.074	IO					2.01
7.250	0.00	0.02	0.074	IO					2.00
7.333	0.00	0.02	0.074	IO					2.00
7.417	0.00	0.02	0.074	IO					2.00
7.500	0.00	0.02	0.074	IO					1.99
7.583	0.00	0.02	0.074	IO					1.99
7.667	0.00	0.02	0.073	IO					1.99
7.750	0.00	0.02	0.073	IO					1.98
7.833	0.00	0.02	0.073	IO					1.98
7.917	0.00	0.02	0.073	IO					1.98
8.000	0.00	0.02	0.073	IO					1.97
8.083	0.00	0.02	0.073	IO					1.97
8.167	0.00	0.02	0.073	IO					1.97
8.250	0.00	0.02	0.072	IO					1.96
8.333	0.00	0.02	0.072	IO					1.96
8.417	0.00	0.02	0.072	IO					1.96
8.500	0.00	0.02	0.072	IO					1.95
8.583	0.00	0.02	0.072	IO					1.95
8.667	0.00	0.02	0.072	IO					1.95
8.750	0.00	0.02	0.071	IO					1.95
8.833	0.00	0.02	0.071	IO					1.94
8.917	0.00	0.02	0.071	IO					1.94
9.000	0.00	0.02	0.071	IO					1.94
9.083	0.00	0.02	0.071	IO					1.93
9.167	0.00	0.02	0.071	IO					1.93
9.250	0.00	0.02	0.071	IO					1.93
9.333	0.00	0.02	0.070	IO					1.92
9.417	0.00	0.02	0.070	IO					1.92
9.500	0.00	0.02	0.070	IO					1.92
9.583	0.00	0.02	0.070	IO					1.91
9.667	0.00	0.02	0.070	IO					1.91
9.750	0.00	0.02	0.070	IO					1.91
9.833	0.00	0.02	0.070	IO					1.90
9.917	0.00	0.02	0.069	IO					1.90
10.000	0.00	0.02	0.069	IO					1.90
10.083	0.00	0.02	0.069	IO					1.89
10.167	0.00	0.02	0.069	IO					1.89
10.250	0.00	0.02	0.069	IO					1.89
10.333	0.00	0.02	0.069	IO					1.88

10.417	0.00	0.02	0.069	IO					1.88
10.500	0.00	0.02	0.068	IO					1.88
10.583	0.00	0.02	0.068	IO					1.87
10.667	0.00	0.02	0.068	IO					1.87
10.750	0.00	0.02	0.068	IO					1.87
10.833	0.00	0.02	0.068	IO					1.86
10.917	0.00	0.02	0.068	IO					1.86
11.000	0.00	0.02	0.067	IO					1.86
11.083	0.00	0.02	0.067	IO					1.86
11.167	0.00	0.02	0.067	IO					1.85
11.250	0.00	0.02	0.067	IO					1.85
11.333	0.00	0.02	0.067	IO					1.85
11.417	0.00	0.02	0.067	IO					1.84
11.500	0.00	0.02	0.067	IO					1.84
11.583	0.00	0.02	0.066	IO					1.84
11.667	0.00	0.02	0.066	IO					1.83
11.750	0.00	0.02	0.066	IO					1.83
11.833	0.00	0.02	0.066	IO					1.83
11.917	0.00	0.02	0.066	IO					1.82
12.000	0.00	0.02	0.066	IO					1.82
12.083	0.00	0.02	0.066	IO					1.82
12.167	0.00	0.02	0.065	IO					1.81
12.250	0.00	0.02	0.065	IO					1.81
12.333	0.00	0.02	0.065	IO					1.81
12.417	0.00	0.02	0.065	IO					1.81
12.500	0.00	0.02	0.065	IO					1.80
12.583	0.00	0.02	0.065	IO					1.80
12.667	0.00	0.02	0.065	IO					1.80
12.750	0.00	0.02	0.064	IO					1.79
12.833	0.00	0.02	0.064	IO					1.79
12.917	0.00	0.02	0.064	IO					1.79
13.000	0.00	0.02	0.064	IO					1.78
13.083	0.00	0.02	0.064	IO					1.78
13.167	0.00	0.02	0.064	IO					1.78
13.250	0.00	0.02	0.064	IO					1.77
13.333	0.00	0.02	0.063	O					1.77
13.417	0.00	0.02	0.063	O					1.77
13.500	0.00	0.02	0.063	O					1.76
13.583	0.00	0.02	0.063	O					1.76
13.667	0.00	0.02	0.063	O					1.76
13.750	0.00	0.02	0.063	O					1.76
13.833	0.00	0.02	0.063	O					1.75
13.917	0.00	0.02	0.062	O					1.75
14.000	0.00	0.02	0.062	O					1.75
14.083	0.00	0.02	0.062	O					1.74
14.167	0.00	0.02	0.062	O					1.74
14.250	0.00	0.02	0.062	O					1.74
14.333	0.00	0.02	0.062	O					1.73
14.417	0.00	0.02	0.062	O					1.73
14.500	0.00	0.02	0.061	O					1.73

14.583	0.00	0.02	0.061	0					1.73
14.667	0.00	0.02	0.061	0					1.72
14.750	0.00	0.02	0.061	0					1.72
14.833	0.00	0.02	0.061	0					1.72
14.917	0.00	0.02	0.061	0					1.71
15.000	0.00	0.02	0.061	0					1.71
15.083	0.00	0.02	0.061	0					1.71
15.167	0.00	0.02	0.060	0					1.70
15.250	0.00	0.02	0.060	0					1.70
15.333	0.00	0.02	0.060	0					1.70
15.417	0.00	0.02	0.060	0					1.69
15.500	0.00	0.02	0.060	0					1.69
15.583	0.00	0.02	0.060	0					1.69
15.667	0.00	0.02	0.060	0					1.69
15.750	0.00	0.02	0.059	0					1.68
15.833	0.00	0.02	0.059	0					1.68
15.917	0.00	0.02	0.059	0					1.68
16.000	0.00	0.02	0.059	0					1.67
16.083	0.00	0.02	0.059	0					1.67
16.167	0.00	0.02	0.059	0					1.67
16.250	0.00	0.02	0.059	0					1.66
16.333	0.00	0.02	0.058	0					1.66
16.417	0.00	0.02	0.058	0					1.66
16.500	0.00	0.02	0.058	0					1.66
16.583	0.00	0.02	0.058	0					1.65
16.667	0.00	0.02	0.058	0					1.65
16.750	0.00	0.02	0.058	0					1.65
16.833	0.00	0.02	0.058	0					1.64
16.917	0.00	0.02	0.057	0					1.64
17.000	0.00	0.02	0.057	0					1.64
17.083	0.00	0.02	0.057	0					1.63
17.167	0.00	0.02	0.057	0					1.63
17.250	0.00	0.02	0.057	0					1.63
17.333	0.00	0.02	0.057	0					1.63
17.417	0.00	0.02	0.057	0					1.62
17.500	0.00	0.02	0.057	0					1.62
17.583	0.00	0.02	0.056	0					1.62
17.667	0.00	0.02	0.056	0					1.61
17.750	0.00	0.02	0.056	0					1.61
17.833	0.00	0.02	0.056	0					1.61
17.917	0.00	0.02	0.056	0					1.61
18.000	0.00	0.02	0.056	0					1.60
18.083	0.00	0.02	0.056	0					1.60
18.167	0.00	0.02	0.055	0					1.60
18.250	0.00	0.02	0.055	0					1.59
18.333	0.00	0.02	0.055	0					1.59
18.417	0.00	0.02	0.055	0					1.59
18.500	0.00	0.02	0.055	0					1.58
18.583	0.00	0.02	0.055	0					1.58
18.667	0.00	0.02	0.055	0					1.58

18.750	0.00	0.02	0.054	0					1.58
18.833	0.00	0.02	0.054	0					1.57
18.917	0.00	0.02	0.054	0					1.57
19.000	0.00	0.02	0.054	0					1.57
19.083	0.00	0.02	0.054	0					1.56
19.167	0.00	0.02	0.054	0					1.56
19.250	0.00	0.02	0.054	0					1.56
19.333	0.00	0.02	0.054	0					1.56
19.417	0.00	0.02	0.053	0					1.55
19.500	0.00	0.02	0.053	0					1.55
19.583	0.00	0.02	0.053	0					1.55
19.667	0.00	0.02	0.053	0					1.54
19.750	0.00	0.02	0.053	0					1.54
19.833	0.00	0.02	0.053	0					1.54
19.917	0.00	0.02	0.053	0					1.54
20.000	0.00	0.02	0.053	0					1.53
20.083	0.00	0.02	0.052	0					1.53
20.167	0.00	0.02	0.052	0					1.53
20.250	0.00	0.02	0.052	0					1.52
20.333	0.00	0.02	0.052	0					1.52
20.417	0.00	0.02	0.052	0					1.52
20.500	0.00	0.02	0.052	0					1.52
20.583	0.00	0.02	0.052	0					1.51
20.667	0.00	0.02	0.051	0					1.51
20.750	0.00	0.02	0.051	0					1.51
20.833	0.00	0.02	0.051	0					1.50
20.917	0.00	0.02	0.051	0					1.50
21.000	0.00	0.02	0.051	0					1.50
21.083	0.00	0.02	0.051	0					1.50
21.167	0.00	0.02	0.051	0					1.49
21.250	0.00	0.02	0.051	0					1.49
21.333	0.00	0.02	0.050	0					1.49
21.417	0.00	0.02	0.050	0					1.48
21.500	0.00	0.02	0.050	0					1.48
21.583	0.00	0.02	0.050	0					1.48
21.667	0.00	0.02	0.050	0					1.48
21.750	0.00	0.02	0.050	0					1.47
21.833	0.00	0.02	0.050	0					1.47
21.917	0.00	0.02	0.049	0					1.47
22.000	0.00	0.02	0.049	0					1.46
22.083	0.00	0.02	0.049	0					1.46
22.167	0.00	0.02	0.049	0					1.46
22.250	0.00	0.02	0.049	0					1.46
22.333	0.00	0.02	0.049	0					1.45
22.417	0.00	0.02	0.049	0					1.45
22.500	0.00	0.02	0.049	0					1.45
22.583	0.00	0.02	0.048	0					1.44
22.667	0.00	0.02	0.048	0					1.44
22.750	0.00	0.02	0.048	0					1.44
22.833	0.00	0.02	0.048	0					1.44

22.917	0.00	0.02	0.048	0					1.43
23.000	0.00	0.02	0.048	0					1.43
23.083	0.00	0.02	0.048	0					1.43
23.167	0.00	0.02	0.048	0					1.43
23.250	0.00	0.02	0.047	0					1.42
23.333	0.00	0.02	0.047	0					1.42
23.417	0.00	0.02	0.047	0					1.42
23.500	0.00	0.02	0.047	0					1.41
23.583	0.00	0.02	0.047	0					1.41
23.667	0.00	0.02	0.047	0					1.41
23.750	0.00	0.02	0.047	0					1.41
23.833	0.00	0.02	0.047	0					1.40
23.917	0.00	0.02	0.046	0					1.40
24.000	0.00	0.02	0.046	0					1.40
24.083	0.00	0.02	0.046	0					1.39
24.167	0.00	0.02	0.046	0					1.39
24.250	0.00	0.02	0.046	0					1.39
24.333	0.00	0.02	0.046	0					1.39
24.417	0.00	0.02	0.046	0					1.38
24.500	0.00	0.02	0.046	0					1.38
24.583	0.00	0.02	0.045	0					1.38
24.667	0.00	0.02	0.045	0					1.38
24.750	0.00	0.02	0.045	0					1.37
24.833	0.00	0.02	0.045	0					1.37
24.917	0.00	0.02	0.045	0					1.37
25.000	0.00	0.02	0.045	0					1.36
25.083	0.00	0.02	0.045	0					1.36
25.167	0.00	0.02	0.045	0					1.36
25.250	0.00	0.02	0.044	0					1.36
25.333	0.00	0.02	0.044	0					1.35
25.417	0.00	0.02	0.044	0					1.35
25.500	0.00	0.02	0.044	0					1.35
25.583	0.00	0.02	0.044	0					1.35
25.667	0.00	0.02	0.044	0					1.34
25.750	0.00	0.02	0.044	0					1.34
25.833	0.00	0.02	0.044	0					1.34
25.917	0.00	0.02	0.043	0					1.33
26.000	0.00	0.02	0.043	0					1.33
26.083	0.00	0.02	0.043	0					1.33
26.167	0.00	0.02	0.043	0					1.33
26.250	0.00	0.02	0.043	0					1.32
26.333	0.00	0.02	0.043	0					1.32
26.417	0.00	0.02	0.043	0					1.32
26.500	0.00	0.02	0.043	0					1.32
26.583	0.00	0.02	0.042	0					1.31
26.667	0.00	0.02	0.042	0					1.31
26.750	0.00	0.02	0.042	0					1.31
26.833	0.00	0.02	0.042	0					1.31
26.917	0.00	0.02	0.042	0					1.30
27.000	0.00	0.02	0.042	0					1.30

27.083	0.00	0.02	0.042	0					1.30
27.167	0.00	0.02	0.042	0					1.29
27.250	0.00	0.02	0.041	0					1.29
27.333	0.00	0.02	0.041	0					1.29
27.417	0.00	0.02	0.041	0					1.29
27.500	0.00	0.02	0.041	0					1.28
27.583	0.00	0.02	0.041	0					1.28
27.667	0.00	0.02	0.041	0					1.28
27.750	0.00	0.02	0.041	0					1.28
27.833	0.00	0.02	0.041	0					1.27
27.917	0.00	0.02	0.040	0					1.27
28.000	0.00	0.02	0.040	0					1.27
28.083	0.00	0.02	0.040	0					1.27
28.167	0.00	0.02	0.040	0					1.26
28.250	0.00	0.02	0.040	0					1.26
28.333	0.00	0.02	0.040	0					1.26
28.417	0.00	0.02	0.040	0					1.26
28.500	0.00	0.02	0.040	0					1.25
28.583	0.00	0.02	0.039	0					1.25
28.667	0.00	0.02	0.039	0					1.25
28.750	0.00	0.02	0.039	0					1.24
28.833	0.00	0.02	0.039	0					1.24
28.917	0.00	0.02	0.039	0					1.24
29.000	0.00	0.02	0.039	0					1.24
29.083	0.00	0.02	0.039	0					1.23
29.167	0.00	0.02	0.039	0					1.23
29.250	0.00	0.02	0.039	0					1.23
29.333	0.00	0.02	0.038	0					1.23
29.417	0.00	0.02	0.038	0					1.22
29.500	0.00	0.02	0.038	0					1.22
29.583	0.00	0.02	0.038	0					1.22
29.667	0.00	0.02	0.038	0					1.22
29.750	0.00	0.02	0.038	0					1.21
29.833	0.00	0.02	0.038	0					1.21
29.917	0.00	0.02	0.038	0					1.21
30.000	0.00	0.02	0.037	0					1.21
30.083	0.00	0.02	0.037	0					1.20
30.167	0.00	0.02	0.037	0					1.20
30.250	0.00	0.02	0.037	0					1.20
30.333	0.00	0.02	0.037	0					1.20
30.417	0.00	0.02	0.037	0					1.19
30.500	0.00	0.02	0.037	0					1.19
30.583	0.00	0.02	0.037	0					1.19
30.667	0.00	0.02	0.037	0					1.19
30.750	0.00	0.02	0.036	0					1.18
30.833	0.00	0.02	0.036	0					1.18
30.917	0.00	0.02	0.036	0					1.18
31.000	0.00	0.02	0.036	0					1.17
31.083	0.00	0.02	0.036	0					1.17
31.167	0.00	0.02	0.036	0					1.17

31.250	0.00	0.02	0.036	0					1.17
31.333	0.00	0.02	0.036	0					1.16
31.417	0.00	0.02	0.035	0					1.16
31.500	0.00	0.02	0.035	0					1.16
31.583	0.00	0.02	0.035	0					1.16
31.667	0.00	0.02	0.035	0					1.15
31.750	0.00	0.02	0.035	0					1.15
31.833	0.00	0.02	0.035	0					1.15
31.917	0.00	0.02	0.035	0					1.15
32.000	0.00	0.02	0.035	0					1.14
32.083	0.00	0.02	0.035	0					1.14
32.167	0.00	0.02	0.034	0					1.14
32.250	0.00	0.02	0.034	0					1.14
32.333	0.00	0.02	0.034	0					1.13
32.417	0.00	0.02	0.034	0					1.13
32.500	0.00	0.02	0.034	0					1.13
32.583	0.00	0.02	0.034	0					1.13
32.667	0.00	0.02	0.034	0					1.12
32.750	0.00	0.02	0.034	0					1.12
32.833	0.00	0.02	0.033	0					1.12
32.917	0.00	0.02	0.033	0					1.12
33.000	0.00	0.02	0.033	0					1.11
33.083	0.00	0.02	0.033	0					1.11
33.167	0.00	0.02	0.033	0					1.11
33.250	0.00	0.02	0.033	0					1.11
33.333	0.00	0.02	0.033	0					1.10
33.417	0.00	0.02	0.033	0					1.10
33.500	0.00	0.02	0.033	0					1.10
33.583	0.00	0.02	0.032	0					1.10
33.667	0.00	0.02	0.032	0					1.09
33.750	0.00	0.02	0.032	0					1.09
33.833	0.00	0.02	0.032	0					1.09
33.917	0.00	0.02	0.032	0					1.09
34.000	0.00	0.02	0.032	0					1.08
34.083	0.00	0.02	0.032	0					1.08
34.167	0.00	0.02	0.032	0					1.08
34.250	0.00	0.02	0.032	0					1.08
34.333	0.00	0.02	0.031	0					1.07
34.417	0.00	0.02	0.031	0					1.07
34.500	0.00	0.02	0.031	0					1.07
34.583	0.00	0.02	0.031	0					1.07
34.667	0.00	0.02	0.031	0					1.06
34.750	0.00	0.02	0.031	0					1.06
34.833	0.00	0.02	0.031	0					1.06
34.917	0.00	0.02	0.031	0					1.06
35.000	0.00	0.02	0.031	0					1.06
35.083	0.00	0.02	0.030	0					1.05
35.167	0.00	0.02	0.030	0					1.05
35.250	0.00	0.02	0.030	0					1.05
35.333	0.00	0.02	0.030	0					1.05

35.417	0.00	0.02	0.030	0					1.04
35.500	0.00	0.02	0.030	0					1.04
35.583	0.00	0.02	0.030	0					1.04
35.667	0.00	0.02	0.030	0					1.04
35.750	0.00	0.02	0.030	0					1.03
35.833	0.00	0.02	0.029	0					1.03
35.917	0.00	0.02	0.029	0					1.03
36.000	0.00	0.02	0.029	0					1.03
36.083	0.00	0.02	0.029	0					1.02
36.167	0.00	0.02	0.029	0					1.02
36.250	0.00	0.02	0.029	0					1.02
36.333	0.00	0.02	0.029	0					1.02
36.417	0.00	0.02	0.029	0					1.01
36.500	0.00	0.02	0.029	0					1.01
36.583	0.00	0.02	0.028	0					1.01
36.667	0.00	0.02	0.028	0					1.01
36.750	0.00	0.02	0.028	0					1.00
36.833	0.00	0.02	0.028	0					1.00
36.917	0.00	0.02	0.028	0					1.00
37.000	0.00	0.02	0.028	0					0.99
37.083	0.00	0.02	0.028	0					0.99
37.167	0.00	0.02	0.028	0					0.99
37.250	0.00	0.02	0.028	0					0.98
37.333	0.00	0.02	0.027	0					0.98
37.417	0.00	0.02	0.027	0					0.98
37.500	0.00	0.02	0.027	0					0.97
37.583	0.00	0.02	0.027	0					0.97
37.667	0.00	0.02	0.027	0					0.96
37.750	0.00	0.02	0.027	0					0.96
37.833	0.00	0.02	0.027	0					0.96
37.917	0.00	0.02	0.027	0					0.95
38.000	0.00	0.02	0.027	0					0.95
38.083	0.00	0.02	0.026	0					0.94
38.167	0.00	0.02	0.026	0					0.94
38.250	0.00	0.02	0.026	0					0.94
38.333	0.00	0.02	0.026	0					0.93
38.417	0.00	0.02	0.026	0					0.93
38.500	0.00	0.02	0.026	0					0.92
38.583	0.00	0.02	0.026	0					0.92
38.667	0.00	0.02	0.026	0					0.92
38.750	0.00	0.02	0.026	0					0.91
38.833	0.00	0.02	0.025	0					0.91
38.917	0.00	0.02	0.025	0					0.91
39.000	0.00	0.02	0.025	0					0.90
39.083	0.00	0.02	0.025	0					0.90
39.167	0.00	0.02	0.025	0					0.89
39.250	0.00	0.02	0.025	0					0.89
39.333	0.00	0.02	0.025	0					0.89
39.417	0.00	0.02	0.025	0					0.88
39.500	0.00	0.01	0.025	0					0.88

39.583	0.00	0.01	0.025	0					0.88
39.667	0.00	0.01	0.024	0					0.87
39.750	0.00	0.01	0.024	0					0.87
39.833	0.00	0.01	0.024	0					0.86
39.917	0.00	0.01	0.024	0					0.86
40.000	0.00	0.01	0.024	0					0.86
40.083	0.00	0.01	0.024	0					0.85
40.167	0.00	0.01	0.024	0					0.85
40.250	0.00	0.01	0.024	0					0.85
40.333	0.00	0.01	0.024	0					0.84
40.417	0.00	0.01	0.024	0					0.84
40.500	0.00	0.01	0.023	0					0.84
40.583	0.00	0.01	0.023	0					0.83
40.667	0.00	0.01	0.023	0					0.83
40.750	0.00	0.01	0.023	0					0.82
40.833	0.00	0.01	0.023	0					0.82
40.917	0.00	0.01	0.023	0					0.82
41.000	0.00	0.01	0.023	0					0.81
41.083	0.00	0.01	0.023	0					0.81
41.167	0.00	0.01	0.023	0					0.81
41.250	0.00	0.01	0.023	0					0.80
41.333	0.00	0.01	0.022	0					0.80
41.417	0.00	0.01	0.022	0					0.80
41.500	0.00	0.01	0.022	0					0.79
41.583	0.00	0.01	0.022	0					0.79
41.667	0.00	0.01	0.022	0					0.79
41.750	0.00	0.01	0.022	0					0.78
41.833	0.00	0.01	0.022	0					0.78
41.917	0.00	0.01	0.022	0					0.77
42.000	0.00	0.01	0.022	0					0.77
42.083	0.00	0.01	0.022	0					0.77
42.167	0.00	0.01	0.021	0					0.76
42.250	0.00	0.01	0.021	0					0.76
42.333	0.00	0.01	0.021	0					0.76
42.417	0.00	0.01	0.021	0					0.75
42.500	0.00	0.01	0.021	0					0.75
42.583	0.00	0.01	0.021	0					0.75
42.667	0.00	0.01	0.021	0					0.74
42.750	0.00	0.01	0.021	0					0.74
42.833	0.00	0.01	0.021	0					0.74
42.917	0.00	0.01	0.021	0					0.73
43.000	0.00	0.01	0.021	0					0.73
43.083	0.00	0.01	0.020	0					0.73
43.167	0.00	0.01	0.020	0					0.72
43.250	0.00	0.01	0.020	0					0.72
43.333	0.00	0.01	0.020	0					0.72
43.417	0.00	0.01	0.020	0					0.71
43.500	0.00	0.01	0.020	0					0.71
43.583	0.00	0.01	0.020	0					0.71
43.667	0.00	0.01	0.020	0					0.70

43.750	0.00	0.01	0.020	0					0.70
43.833	0.00	0.01	0.020	0					0.70
43.917	0.00	0.01	0.019	0					0.69
44.000	0.00	0.01	0.019	0					0.69
44.083	0.00	0.01	0.019	0					0.69
44.167	0.00	0.01	0.019	0					0.68
44.250	0.00	0.01	0.019	0					0.68
44.333	0.00	0.01	0.019	0					0.68
44.417	0.00	0.01	0.019	0					0.67
44.500	0.00	0.01	0.019	0					0.67
44.583	0.00	0.01	0.019	0					0.67
44.667	0.00	0.01	0.019	0					0.66
44.750	0.00	0.01	0.019	0					0.66
44.833	0.00	0.01	0.018	0					0.66
44.917	0.00	0.01	0.018	0					0.65
45.000	0.00	0.01	0.018	0					0.65
45.083	0.00	0.01	0.018	0					0.65
45.167	0.00	0.01	0.018	0					0.64
45.250	0.00	0.01	0.018	0					0.64
45.333	0.00	0.01	0.018	0					0.64
45.417	0.00	0.01	0.018	0					0.63
45.500	0.00	0.01	0.018	0					0.63
45.583	0.00	0.01	0.018	0					0.63
45.667	0.00	0.01	0.018	0					0.62
45.750	0.00	0.01	0.018	0					0.62
45.833	0.00	0.01	0.017	0					0.62
45.917	0.00	0.01	0.017	0					0.61
46.000	0.00	0.01	0.017	0					0.61
46.083	0.00	0.01	0.017	0					0.61
46.167	0.00	0.01	0.017	0					0.61
46.250	0.00	0.01	0.017	0					0.60
46.333	0.00	0.01	0.017	0					0.60
46.417	0.00	0.01	0.017	0					0.60
46.500	0.00	0.01	0.017	0					0.59
46.583	0.00	0.01	0.017	0					0.59
46.667	0.00	0.01	0.017	0					0.59
46.750	0.00	0.01	0.016	0					0.58
46.833	0.00	0.01	0.016	0					0.58
46.917	0.00	0.01	0.016	0					0.58
47.000	0.00	0.01	0.016	0					0.57
47.083	0.00	0.01	0.016	0					0.57
47.167	0.00	0.01	0.016	0					0.57
47.250	0.00	0.01	0.016	0					0.56
47.333	0.00	0.01	0.016	0					0.56
47.417	0.00	0.01	0.016	0					0.56
47.500	0.00	0.01	0.016	0					0.56
47.583	0.00	0.01	0.016	0					0.55
47.667	0.00	0.01	0.016	0					0.55
47.750	0.00	0.01	0.015	0					0.55
47.833	0.00	0.01	0.015	0					0.54

47.917	0.00	0.01	0.015	0					0.54
48.000	0.00	0.01	0.015	0					0.54
48.083	0.00	0.01	0.015	0					0.53
48.167	0.00	0.01	0.015	0					0.53
48.250	0.00	0.01	0.015	0					0.53
48.333	0.00	0.01	0.015	0					0.53
48.417	0.00	0.01	0.015	0					0.52
48.500	0.00	0.01	0.015	0					0.52
48.583	0.00	0.01	0.015	0					0.52
48.667	0.00	0.01	0.015	0					0.51
48.750	0.00	0.01	0.014	0					0.51
48.833	0.00	0.01	0.014	0					0.51
48.917	0.00	0.01	0.014	0					0.50
49.000	0.00	0.01	0.014	0					0.50
49.083	0.00	0.01	0.014	0					0.50
49.167	0.00	0.01	0.014	0					0.50
49.250	0.00	0.01	0.014	0					0.49
49.333	0.00	0.01	0.014	0					0.49
49.417	0.00	0.01	0.014	0					0.49
49.500	0.00	0.01	0.014	0					0.48
49.583	0.00	0.01	0.014	0					0.48
49.667	0.00	0.01	0.014	0					0.48
49.750	0.00	0.01	0.013	0					0.48
49.833	0.00	0.01	0.013	0					0.47
49.917	0.00	0.01	0.013	0					0.47
50.000	0.00	0.01	0.013	0					0.47
50.083	0.00	0.01	0.013	0					0.46
50.167	0.00	0.01	0.013	0					0.46
50.250	0.00	0.01	0.013	0					0.46
50.333	0.00	0.01	0.013	0					0.46
50.417	0.00	0.01	0.013	0					0.45
50.500	0.00	0.01	0.013	0					0.45
50.583	0.00	0.01	0.013	0					0.45
50.667	0.00	0.01	0.013	0					0.44
50.750	0.00	0.01	0.013	0					0.44
50.833	0.00	0.01	0.012	0					0.44
50.917	0.00	0.01	0.012	0					0.44
51.000	0.00	0.01	0.012	0					0.43
51.083	0.00	0.01	0.012	0					0.43
51.167	0.00	0.01	0.012	0					0.43
51.250	0.00	0.01	0.012	0					0.43
51.333	0.00	0.01	0.012	0					0.42
51.417	0.00	0.01	0.012	0					0.42
51.500	0.00	0.01	0.012	0					0.42
51.583	0.00	0.01	0.012	0					0.41
51.667	0.00	0.01	0.012	0					0.41
51.750	0.00	0.01	0.012	0					0.41
51.833	0.00	0.01	0.012	0					0.41
51.917	0.00	0.01	0.011	0					0.40
52.000	0.00	0.01	0.011	0					0.40

52.083	0.00	0.01	0.011	0					0.40
52.167	0.00	0.01	0.011	0					0.39
52.250	0.00	0.01	0.011	0					0.39
52.333	0.00	0.01	0.011	0					0.39
52.417	0.00	0.01	0.011	0					0.39
52.500	0.00	0.01	0.011	0					0.38
52.583	0.00	0.01	0.011	0					0.38
52.667	0.00	0.01	0.011	0					0.38
52.750	0.00	0.01	0.011	0					0.38
52.833	0.00	0.01	0.011	0					0.37
52.917	0.00	0.01	0.011	0					0.37
53.000	0.00	0.01	0.011	0					0.37
53.083	0.00	0.01	0.010	0					0.37
53.167	0.00	0.01	0.010	0					0.36
53.250	0.00	0.01	0.010	0					0.36
53.333	0.00	0.01	0.010	0					0.36
53.417	0.00	0.01	0.010	0					0.36
53.500	0.00	0.01	0.010	0					0.35
53.583	0.00	0.01	0.010	0					0.35
53.667	0.00	0.01	0.010	0					0.35
53.750	0.00	0.01	0.010	0					0.34
53.833	0.00	0.01	0.010	0					0.34
53.917	0.00	0.01	0.010	0					0.34
54.000	0.00	0.01	0.010	0					0.34
54.083	0.00	0.01	0.010	0					0.33
54.167	0.00	0.01	0.010	0					0.33
54.250	0.00	0.01	0.009	0					0.33
54.333	0.00	0.01	0.009	0					0.33
54.417	0.00	0.01	0.009	0					0.32
54.500	0.00	0.01	0.009	0					0.32
54.583	0.00	0.01	0.009	0					0.32
54.667	0.00	0.01	0.009	0					0.32
54.750	0.00	0.01	0.009	0					0.31
54.833	0.00	0.01	0.009	0					0.31
54.917	0.00	0.01	0.009	0					0.31
55.000	0.00	0.01	0.009	0					0.31
55.083	0.00	0.01	0.009	0					0.30
55.167	0.00	0.01	0.009	0					0.30
55.250	0.00	0.01	0.009	0					0.30
55.333	0.00	0.01	0.009	0					0.30
55.417	0.00	0.01	0.008	0					0.29
55.500	0.00	0.01	0.008	0					0.29
55.583	0.00	0.01	0.008	0					0.29
55.667	0.00	0.01	0.008	0					0.29
55.750	0.00	0.01	0.008	0					0.28
55.833	0.00	0.01	0.008	0					0.28
55.917	0.00	0.01	0.008	0					0.28
56.000	0.00	0.01	0.008	0					0.28
56.083	0.00	0.01	0.008	0					0.27
56.167	0.00	0.01	0.008	0					0.27

56.250	0.00	0.01	0.008	0					0.27
56.333	0.00	0.01	0.008	0					0.27
56.417	0.00	0.01	0.008	0					0.26
56.500	0.00	0.01	0.008	0					0.26
56.583	0.00	0.01	0.008	0					0.26
56.667	0.00	0.01	0.007	0					0.26
56.750	0.00	0.01	0.007	0					0.25
56.833	0.00	0.01	0.007	0					0.25
56.917	0.00	0.01	0.007	0					0.25
57.000	0.00	0.01	0.007	0					0.25
57.083	0.00	0.01	0.007	0					0.25
57.167	0.00	0.01	0.007	0					0.24
57.250	0.00	0.01	0.007	0					0.24
57.333	0.00	0.01	0.007	0					0.24
57.417	0.00	0.01	0.007	0					0.24
57.500	0.00	0.01	0.007	0					0.23
57.583	0.00	0.01	0.007	0					0.23
57.667	0.00	0.01	0.007	0					0.23
57.750	0.00	0.01	0.007	0					0.23
57.833	0.00	0.01	0.007	0					0.22
57.917	0.00	0.01	0.006	0					0.22
58.000	0.00	0.01	0.006	0					0.22
58.083	0.00	0.01	0.006	0					0.22
58.167	0.00	0.01	0.006	0					0.21
58.250	0.00	0.01	0.006	0					0.21
58.333	0.00	0.01	0.006	0					0.21
58.417	0.00	0.01	0.006	0					0.21
58.500	0.00	0.01	0.006	0					0.21
58.583	0.00	0.01	0.006	0					0.20
58.667	0.00	0.01	0.006	0					0.20
58.750	0.00	0.01	0.006	0					0.20
58.833	0.00	0.01	0.006	0					0.20
58.917	0.00	0.01	0.006	0					0.19
59.000	0.00	0.01	0.006	0					0.19
59.083	0.00	0.01	0.006	0					0.19
59.167	0.00	0.01	0.006	0					0.19
59.250	0.00	0.01	0.005	0					0.18
59.333	0.00	0.01	0.005	0					0.18
59.417	0.00	0.01	0.005	0					0.18
59.500	0.00	0.01	0.005	0					0.18
59.583	0.00	0.01	0.005	0					0.18
59.667	0.00	0.01	0.005	0					0.17
59.750	0.00	0.01	0.005	0					0.17
59.833	0.00	0.01	0.005	0					0.17
59.917	0.00	0.01	0.005	0					0.17
60.000	0.00	0.01	0.005	0					0.16
60.083	0.00	0.01	0.005	0					0.16
60.167	0.00	0.01	0.005	0					0.16
60.250	0.00	0.01	0.005	0					0.16
60.333	0.00	0.01	0.005	0					0.16

60.417	0.00	0.01	0.005	0					0.15
60.500	0.00	0.01	0.005	0					0.15
60.583	0.00	0.01	0.004	0					0.15
60.667	0.00	0.01	0.004	0					0.15
60.750	0.00	0.01	0.004	0					0.14
60.833	0.00	0.01	0.004	0					0.14
60.917	0.00	0.01	0.004	0					0.14
61.000	0.00	0.01	0.004	0					0.14
61.083	0.00	0.01	0.004	0					0.14
61.167	0.00	0.01	0.004	0					0.13
61.250	0.00	0.01	0.004	0					0.13
61.333	0.00	0.01	0.004	0					0.13
61.417	0.00	0.01	0.004	0					0.13
61.500	0.00	0.01	0.004	0					0.13
61.583	0.00	0.01	0.004	0					0.12
61.667	0.00	0.01	0.004	0					0.12
61.750	0.00	0.01	0.004	0					0.12
61.833	0.00	0.01	0.004	0					0.12
61.917	0.00	0.01	0.004	0					0.11
62.000	0.00	0.01	0.003	0					0.11
62.083	0.00	0.01	0.003	0					0.11
62.167	0.00	0.01	0.003	0					0.11
62.250	0.00	0.01	0.003	0					0.11
62.333	0.00	0.01	0.003	0					0.10
62.417	0.00	0.01	0.003	0					0.10
62.500	0.00	0.01	0.003	0					0.10
62.583	0.00	0.01	0.003	0					0.10
62.667	0.00	0.01	0.003	0					0.10
62.750	0.00	0.01	0.003	0					0.09
62.833	0.00	0.01	0.003	0					0.09
62.917	0.00	0.01	0.003	0					0.09
63.000	0.00	0.01	0.003	0					0.09
63.083	0.00	0.01	0.003	0					0.09
63.167	0.00	0.01	0.003	0					0.08
63.250	0.00	0.01	0.003	0					0.08
63.333	0.00	0.01	0.003	0					0.08
63.417	0.00	0.01	0.002	0					0.08
63.500	0.00	0.01	0.002	0					0.08
63.583	0.00	0.01	0.002	0					0.07
63.667	0.00	0.01	0.002	0					0.07
63.750	0.00	0.01	0.002	0					0.07
63.833	0.00	0.01	0.002	0					0.07
63.917	0.00	0.01	0.002	0					0.07
64.000	0.00	0.01	0.002	0					0.06
64.083	0.00	0.01	0.002	0					0.06
64.167	0.00	0.01	0.002	0					0.06
64.250	0.00	0.01	0.002	0					0.06
64.333	0.00	0.01	0.002	0					0.06
64.417	0.00	0.01	0.002	0					0.05
64.500	0.00	0.01	0.002	0					0.05

64.583	0.00	0.01	0.002	0					0.05
64.667	0.00	0.01	0.002	0					0.05
64.750	0.00	0.01	0.002	0					0.05
64.833	0.00	0.01	0.002	0					0.05
64.917	0.00	0.01	0.002	0					0.05
65.000	0.00	0.01	0.002	0					0.05
65.083	0.00	0.01	0.001	0					0.04
65.167	0.00	0.01	0.001	0					0.04
65.250	0.00	0.01	0.001	0					0.04
65.333	0.00	0.01	0.001	0					0.04
65.417	0.00	0.01	0.001	0					0.04
65.500	0.00	0.01	0.001	0					0.04
65.583	0.00	0.00	0.001	0					0.04
65.667	0.00	0.00	0.001	0					0.04
65.750	0.00	0.00	0.001	0					0.04
65.833	0.00	0.00	0.001	0					0.03
65.917	0.00	0.00	0.001	0					0.03
66.000	0.00	0.00	0.001	0					0.03
66.083	0.00	0.00	0.001	0					0.03
66.167	0.00	0.00	0.001	0					0.03
66.250	0.00	0.00	0.001	0					0.03
66.333	0.00	0.00	0.001	0					0.03
66.417	0.00	0.00	0.001	0					0.03
66.500	0.00	0.00	0.001	0					0.03
66.583	0.00	0.00	0.001	0					0.03
66.667	0.00	0.00	0.001	0					0.03
66.750	0.00	0.00	0.001	0					0.03
66.833	0.00	0.00	0.001	0					0.02
66.917	0.00	0.00	0.001	0					0.02
67.000	0.00	0.00	0.001	0					0.02
67.083	0.00	0.00	0.001	0					0.02
67.167	0.00	0.00	0.001	0					0.02
67.250	0.00	0.00	0.001	0					0.02
67.333	0.00	0.00	0.001	0					0.02
67.417	0.00	0.00	0.001	0					0.02
67.500	0.00	0.00	0.001	0					0.02
67.583	0.00	0.00	0.001	0					0.02
67.667	0.00	0.00	0.001	0					0.02
67.750	0.00	0.00	0.001	0					0.02
67.833	0.00	0.00	0.001	0					0.02
67.917	0.00	0.00	0.001	0					0.02
68.000	0.00	0.00	0.001	0					0.02
68.083	0.00	0.00	0.001	0					0.02
68.167	0.00	0.00	0.001	0					0.02
68.250	0.00	0.00	0.001	0					0.02
68.333	0.00	0.00	0.001	0					0.02
68.417	0.00	0.00	0.000	0					0.01
68.500	0.00	0.00	0.000	0					0.01
68.583	0.00	0.00	0.000	0					0.01
68.667	0.00	0.00	0.000	0					0.01

68.750	0.00	0.00	0.000	0					0.01
68.833	0.00	0.00	0.000	0					0.01
68.917	0.00	0.00	0.000	0					0.01
69.000	0.00	0.00	0.000	0					0.01
69.083	0.00	0.00	0.000	0					0.01
69.167	0.00	0.00	0.000	0					0.01
69.250	0.00	0.00	0.000	0					0.01
69.333	0.00	0.00	0.000	0					0.01
69.417	0.00	0.00	0.000	0					0.01
69.500	0.00	0.00	0.000	0					0.01
69.583	0.00	0.00	0.000	0					0.01
69.667	0.00	0.00	0.000	0					0.01
69.750	0.00	0.00	0.000	0					0.01
69.833	0.00	0.00	0.000	0					0.01
69.917	0.00	0.00	0.000	0					0.01
70.000	0.00	0.00	0.000	0					0.01
70.083	0.00	0.00	0.000	0					0.01
70.167	0.00	0.00	0.000	0					0.01
70.250	0.00	0.00	0.000	0					0.01
70.333	0.00	0.00	0.000	0					0.01
70.417	0.00	0.00	0.000	0					0.01
70.500	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 846

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.022 (CFS)

Total volume = 0.083 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP1
2 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da132.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.729 (CFS)
Total volume = 0.061 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.030	0.001	0.004	0.001	0.001
0.060	0.002	0.008	0.002	0.002
1.000	0.028	0.016	0.028	0.028
2.000	0.074	0.022	0.074	0.074
2.750	0.112	0.016	0.112	0.112
2.800	0.115	0.034	0.115	0.115
3.000	0.125	0.051	0.125	0.125
4.000	0.170	0.080	0.170	0.170
4.250	0.180	0.361	0.179	0.181
4.500	0.188	0.642	0.186	0.190
5.000	0.198	1.056	0.194	0.202

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.36	0.55	0.73	Depth (Ft.)
0.083	0.07	0.00	0.000	0 I					0.01
0.167	0.11	0.00	0.001	0 I					0.03
0.250	0.10	0.01	0.002	0 I					0.05
0.333	0.12	0.01	0.002	0 I					0.07
0.417	0.13	0.01	0.003	0 I					0.10
0.500	0.15	0.01	0.004	0 I					0.13
0.583	0.14	0.01	0.005	0 I					0.16
0.667	0.15	0.01	0.006	0 I					0.20
0.750	0.16	0.01	0.007	0 I					0.23
0.833	0.14	0.01	0.008	0 I					0.27
0.917	0.14	0.01	0.009	0 I					0.30
1.000	0.15	0.01	0.010	0 I					0.33
1.083	0.18	0.01	0.011	0 I					0.37
1.167	0.19	0.01	0.012	0 I					0.41
1.250	0.19	0.01	0.013	0 I					0.46
1.333	0.18	0.01	0.014	0 I					0.50
1.417	0.21	0.01	0.015	0 I					0.55
1.500	0.23	0.01	0.017	0 I					0.60
1.583	0.22	0.01	0.018	0 I					0.65
1.667	0.23	0.01	0.020	0 I					0.70
1.750	0.27	0.01	0.021	0 I					0.76
1.833	0.27	0.01	0.023	0 I					0.82
1.917	0.26	0.02	0.025	0 I					0.89
2.000	0.26	0.02	0.027	0 I					0.95

2.083	0.27	0.02	0.028	0		I				1.01	
2.167	0.33	0.02	0.030	0			I			1.05	
2.250	0.41	0.02	0.033	0				I		1.10	
2.333	0.35	0.02	0.035	0			I			1.15	
2.417	0.50	0.02	0.038	0				I		1.22	
2.500	0.63	0.02	0.042	0					I	1.30	
2.583	0.73	0.02	0.046	0						I	1.40
2.667	0.61	0.02	0.051	0					I		1.49
2.750	0.31	0.02	0.054	0			I				1.55
2.833	0.18	0.02	0.055	0		I					1.59
2.917	0.16	0.02	0.056	0		I					1.62
3.000	0.09	0.02	0.057	0	I						1.63
3.083	0.02	0.02	0.057	0	I						1.64
3.167	0.00	0.02	0.057	0							1.64
3.250	0.00	0.02	0.057	0							1.63
3.333	0.00	0.02	0.057	0							1.63
3.417	0.00	0.02	0.057	0							1.63
3.500	0.00	0.02	0.057	0							1.62
3.583	0.00	0.02	0.057	0							1.62
3.667	0.00	0.02	0.056	0							1.62
3.750	0.00	0.02	0.056	0							1.62
3.833	0.00	0.02	0.056	0							1.61
3.917	0.00	0.02	0.056	0							1.61
4.000	0.00	0.02	0.056	0							1.61
4.083	0.00	0.02	0.056	0							1.60
4.167	0.00	0.02	0.056	0							1.60
4.250	0.00	0.02	0.055	0							1.60
4.333	0.00	0.02	0.055	0							1.59
4.417	0.00	0.02	0.055	0							1.59
4.500	0.00	0.02	0.055	0							1.59
4.583	0.00	0.02	0.055	0							1.59
4.667	0.00	0.02	0.055	0							1.58
4.750	0.00	0.02	0.055	0							1.58
4.833	0.00	0.02	0.055	0							1.58
4.917	0.00	0.02	0.054	0							1.57
5.000	0.00	0.02	0.054	0							1.57
5.083	0.00	0.02	0.054	0							1.57
5.167	0.00	0.02	0.054	0							1.57
5.250	0.00	0.02	0.054	0							1.56
5.333	0.00	0.02	0.054	0							1.56
5.417	0.00	0.02	0.054	0							1.56
5.500	0.00	0.02	0.053	0							1.55
5.583	0.00	0.02	0.053	0							1.55
5.667	0.00	0.02	0.053	0							1.55
5.750	0.00	0.02	0.053	0							1.55
5.833	0.00	0.02	0.053	0							1.54
5.917	0.00	0.02	0.053	0							1.54
6.000	0.00	0.02	0.053	0							1.54
6.083	0.00	0.02	0.053	0							1.53
6.167	0.00	0.02	0.052	0							1.53

6.250	0.00	0.02	0.052	0					1.53
6.333	0.00	0.02	0.052	0					1.53
6.417	0.00	0.02	0.052	0					1.52
6.500	0.00	0.02	0.052	0					1.52
6.583	0.00	0.02	0.052	0					1.52
6.667	0.00	0.02	0.052	0					1.51
6.750	0.00	0.02	0.052	0					1.51
6.833	0.00	0.02	0.051	0					1.51
6.917	0.00	0.02	0.051	0					1.51
7.000	0.00	0.02	0.051	0					1.50
7.083	0.00	0.02	0.051	0					1.50
7.167	0.00	0.02	0.051	0					1.50
7.250	0.00	0.02	0.051	0					1.49
7.333	0.00	0.02	0.051	0					1.49
7.417	0.00	0.02	0.050	0					1.49
7.500	0.00	0.02	0.050	0					1.49
7.583	0.00	0.02	0.050	0					1.48
7.667	0.00	0.02	0.050	0					1.48
7.750	0.00	0.02	0.050	0					1.48
7.833	0.00	0.02	0.050	0					1.47
7.917	0.00	0.02	0.050	0					1.47
8.000	0.00	0.02	0.050	0					1.47
8.083	0.00	0.02	0.049	0					1.47
8.167	0.00	0.02	0.049	0					1.46
8.250	0.00	0.02	0.049	0					1.46
8.333	0.00	0.02	0.049	0					1.46
8.417	0.00	0.02	0.049	0					1.45
8.500	0.00	0.02	0.049	0					1.45
8.583	0.00	0.02	0.049	0					1.45
8.667	0.00	0.02	0.049	0					1.45
8.750	0.00	0.02	0.048	0					1.44
8.833	0.00	0.02	0.048	0					1.44
8.917	0.00	0.02	0.048	0					1.44
9.000	0.00	0.02	0.048	0					1.43
9.083	0.00	0.02	0.048	0					1.43
9.167	0.00	0.02	0.048	0					1.43
9.250	0.00	0.02	0.048	0					1.43
9.333	0.00	0.02	0.047	0					1.42
9.417	0.00	0.02	0.047	0					1.42
9.500	0.00	0.02	0.047	0					1.42
9.583	0.00	0.02	0.047	0					1.42
9.667	0.00	0.02	0.047	0					1.41
9.750	0.00	0.02	0.047	0					1.41
9.833	0.00	0.02	0.047	0					1.41
9.917	0.00	0.02	0.047	0					1.40
10.000	0.00	0.02	0.046	0					1.40
10.083	0.00	0.02	0.046	0					1.40
10.167	0.00	0.02	0.046	0					1.40
10.250	0.00	0.02	0.046	0					1.39
10.333	0.00	0.02	0.046	0					1.39

10.417	0.00	0.02	0.046	0					1.39
10.500	0.00	0.02	0.046	0					1.39
10.583	0.00	0.02	0.046	0					1.38
10.667	0.00	0.02	0.045	0					1.38
10.750	0.00	0.02	0.045	0					1.38
10.833	0.00	0.02	0.045	0					1.37
10.917	0.00	0.02	0.045	0					1.37
11.000	0.00	0.02	0.045	0					1.37
11.083	0.00	0.02	0.045	0					1.37
11.167	0.00	0.02	0.045	0					1.36
11.250	0.00	0.02	0.045	0					1.36
11.333	0.00	0.02	0.044	0					1.36
11.417	0.00	0.02	0.044	0					1.36
11.500	0.00	0.02	0.044	0					1.35
11.583	0.00	0.02	0.044	0					1.35
11.667	0.00	0.02	0.044	0					1.35
11.750	0.00	0.02	0.044	0					1.34
11.833	0.00	0.02	0.044	0					1.34
11.917	0.00	0.02	0.044	0					1.34
12.000	0.00	0.02	0.043	0					1.34
12.083	0.00	0.02	0.043	0					1.33
12.167	0.00	0.02	0.043	0					1.33
12.250	0.00	0.02	0.043	0					1.33
12.333	0.00	0.02	0.043	0					1.33
12.417	0.00	0.02	0.043	0					1.32
12.500	0.00	0.02	0.043	0					1.32
12.583	0.00	0.02	0.043	0					1.32
12.667	0.00	0.02	0.042	0					1.31
12.750	0.00	0.02	0.042	0					1.31
12.833	0.00	0.02	0.042	0					1.31
12.917	0.00	0.02	0.042	0					1.31
13.000	0.00	0.02	0.042	0					1.30
13.083	0.00	0.02	0.042	0					1.30
13.167	0.00	0.02	0.042	0					1.30
13.250	0.00	0.02	0.042	0					1.30
13.333	0.00	0.02	0.041	0					1.29
13.417	0.00	0.02	0.041	0					1.29
13.500	0.00	0.02	0.041	0					1.29
13.583	0.00	0.02	0.041	0					1.29
13.667	0.00	0.02	0.041	0					1.28
13.750	0.00	0.02	0.041	0					1.28
13.833	0.00	0.02	0.041	0					1.28
13.917	0.00	0.02	0.041	0					1.27
14.000	0.00	0.02	0.041	0					1.27
14.083	0.00	0.02	0.040	0					1.27
14.167	0.00	0.02	0.040	0					1.27
14.250	0.00	0.02	0.040	0					1.26
14.333	0.00	0.02	0.040	0					1.26
14.417	0.00	0.02	0.040	0					1.26
14.500	0.00	0.02	0.040	0					1.26

14.583	0.00	0.02	0.040	0					1.25
14.667	0.00	0.02	0.040	0					1.25
14.750	0.00	0.02	0.039	0					1.25
14.833	0.00	0.02	0.039	0					1.25
14.917	0.00	0.02	0.039	0					1.24
15.000	0.00	0.02	0.039	0					1.24
15.083	0.00	0.02	0.039	0					1.24
15.167	0.00	0.02	0.039	0					1.24
15.250	0.00	0.02	0.039	0					1.23
15.333	0.00	0.02	0.039	0					1.23
15.417	0.00	0.02	0.038	0					1.23
15.500	0.00	0.02	0.038	0					1.22
15.583	0.00	0.02	0.038	0					1.22
15.667	0.00	0.02	0.038	0					1.22
15.750	0.00	0.02	0.038	0					1.22
15.833	0.00	0.02	0.038	0					1.21
15.917	0.00	0.02	0.038	0					1.21
16.000	0.00	0.02	0.038	0					1.21
16.083	0.00	0.02	0.038	0					1.21
16.167	0.00	0.02	0.037	0					1.20
16.250	0.00	0.02	0.037	0					1.20
16.333	0.00	0.02	0.037	0					1.20
16.417	0.00	0.02	0.037	0					1.20
16.500	0.00	0.02	0.037	0					1.19
16.583	0.00	0.02	0.037	0					1.19
16.667	0.00	0.02	0.037	0					1.19
16.750	0.00	0.02	0.037	0					1.19
16.833	0.00	0.02	0.036	0					1.18
16.917	0.00	0.02	0.036	0					1.18
17.000	0.00	0.02	0.036	0					1.18
17.083	0.00	0.02	0.036	0					1.18
17.167	0.00	0.02	0.036	0					1.17
17.250	0.00	0.02	0.036	0					1.17
17.333	0.00	0.02	0.036	0					1.17
17.417	0.00	0.02	0.036	0					1.17
17.500	0.00	0.02	0.036	0					1.16
17.583	0.00	0.02	0.035	0					1.16
17.667	0.00	0.02	0.035	0					1.16
17.750	0.00	0.02	0.035	0					1.16
17.833	0.00	0.02	0.035	0					1.15
17.917	0.00	0.02	0.035	0					1.15
18.000	0.00	0.02	0.035	0					1.15
18.083	0.00	0.02	0.035	0					1.15
18.167	0.00	0.02	0.035	0					1.14
18.250	0.00	0.02	0.034	0					1.14
18.333	0.00	0.02	0.034	0					1.14
18.417	0.00	0.02	0.034	0					1.14
18.500	0.00	0.02	0.034	0					1.13
18.583	0.00	0.02	0.034	0					1.13
18.667	0.00	0.02	0.034	0					1.13

18.750	0.00	0.02	0.034	0					1.13
18.833	0.00	0.02	0.034	0					1.12
18.917	0.00	0.02	0.034	0					1.12
19.000	0.00	0.02	0.033	0					1.12
19.083	0.00	0.02	0.033	0					1.12
19.167	0.00	0.02	0.033	0					1.11
19.250	0.00	0.02	0.033	0					1.11
19.333	0.00	0.02	0.033	0					1.11
19.417	0.00	0.02	0.033	0					1.11
19.500	0.00	0.02	0.033	0					1.10
19.583	0.00	0.02	0.033	0					1.10
19.667	0.00	0.02	0.033	0					1.10
19.750	0.00	0.02	0.032	0					1.10
19.833	0.00	0.02	0.032	0					1.09
19.917	0.00	0.02	0.032	0					1.09
20.000	0.00	0.02	0.032	0					1.09
20.083	0.00	0.02	0.032	0					1.09
20.167	0.00	0.02	0.032	0					1.08
20.250	0.00	0.02	0.032	0					1.08
20.333	0.00	0.02	0.032	0					1.08
20.417	0.00	0.02	0.031	0					1.08
20.500	0.00	0.02	0.031	0					1.07
20.583	0.00	0.02	0.031	0					1.07
20.667	0.00	0.02	0.031	0					1.07
20.750	0.00	0.02	0.031	0					1.07
20.833	0.00	0.02	0.031	0					1.06
20.917	0.00	0.02	0.031	0					1.06
21.000	0.00	0.02	0.031	0					1.06
21.083	0.00	0.02	0.031	0					1.06
21.167	0.00	0.02	0.030	0					1.05
21.250	0.00	0.02	0.030	0					1.05
21.333	0.00	0.02	0.030	0					1.05
21.417	0.00	0.02	0.030	0					1.05
21.500	0.00	0.02	0.030	0					1.04
21.583	0.00	0.02	0.030	0					1.04
21.667	0.00	0.02	0.030	0					1.04
21.750	0.00	0.02	0.030	0					1.04
21.833	0.00	0.02	0.030	0					1.03
21.917	0.00	0.02	0.029	0					1.03
22.000	0.00	0.02	0.029	0					1.03
22.083	0.00	0.02	0.029	0					1.03
22.167	0.00	0.02	0.029	0					1.02
22.250	0.00	0.02	0.029	0					1.02
22.333	0.00	0.02	0.029	0					1.02
22.417	0.00	0.02	0.029	0					1.02
22.500	0.00	0.02	0.029	0					1.01
22.583	0.00	0.02	0.029	0					1.01
22.667	0.00	0.02	0.028	0					1.01
22.750	0.00	0.02	0.028	0					1.01
22.833	0.00	0.02	0.028	0					1.01

22.917	0.00	0.02	0.028	0					1.00
23.000	0.00	0.02	0.028	0					1.00
23.083	0.00	0.02	0.028	0					1.00
23.167	0.00	0.02	0.028	0					0.99
23.250	0.00	0.02	0.028	0					0.99
23.333	0.00	0.02	0.028	0					0.98
23.417	0.00	0.02	0.027	0					0.98
23.500	0.00	0.02	0.027	0					0.98
23.583	0.00	0.02	0.027	0					0.97
23.667	0.00	0.02	0.027	0					0.97
23.750	0.00	0.02	0.027	0					0.97
23.833	0.00	0.02	0.027	0					0.96
23.917	0.00	0.02	0.027	0					0.96
24.000	0.00	0.02	0.027	0					0.95
24.083	0.00	0.02	0.027	0					0.95
24.167	0.00	0.02	0.026	0					0.95
24.250	0.00	0.02	0.026	0					0.94
24.333	0.00	0.02	0.026	0					0.94
24.417	0.00	0.02	0.026	0					0.93
24.500	0.00	0.02	0.026	0					0.93
24.583	0.00	0.02	0.026	0					0.93
24.667	0.00	0.02	0.026	0					0.92
24.750	0.00	0.02	0.026	0					0.92
24.833	0.00	0.02	0.026	0					0.91
24.917	0.00	0.02	0.026	0					0.91
25.000	0.00	0.02	0.025	0					0.91
25.083	0.00	0.02	0.025	0					0.90
25.167	0.00	0.02	0.025	0					0.90
25.250	0.00	0.02	0.025	0					0.90
25.333	0.00	0.02	0.025	0					0.89
25.417	0.00	0.02	0.025	0					0.89
25.500	0.00	0.02	0.025	0					0.88
25.583	0.00	0.01	0.025	0					0.88
25.667	0.00	0.01	0.025	0					0.88
25.750	0.00	0.01	0.025	0					0.87
25.833	0.00	0.01	0.024	0					0.87
25.917	0.00	0.01	0.024	0					0.87
26.000	0.00	0.01	0.024	0					0.86
26.083	0.00	0.01	0.024	0					0.86
26.167	0.00	0.01	0.024	0					0.86
26.250	0.00	0.01	0.024	0					0.85
26.333	0.00	0.01	0.024	0					0.85
26.417	0.00	0.01	0.024	0					0.84
26.500	0.00	0.01	0.024	0					0.84
26.583	0.00	0.01	0.023	0					0.84
26.667	0.00	0.01	0.023	0					0.83
26.750	0.00	0.01	0.023	0					0.83
26.833	0.00	0.01	0.023	0					0.83
26.917	0.00	0.01	0.023	0					0.82
27.000	0.00	0.01	0.023	0					0.82

27.083	0.00	0.01	0.023	0					0.82
27.167	0.00	0.01	0.023	0					0.81
27.250	0.00	0.01	0.023	0					0.81
27.333	0.00	0.01	0.023	0					0.80
27.417	0.00	0.01	0.022	0					0.80
27.500	0.00	0.01	0.022	0					0.80
27.583	0.00	0.01	0.022	0					0.79
27.667	0.00	0.01	0.022	0					0.79
27.750	0.00	0.01	0.022	0					0.79
27.833	0.00	0.01	0.022	0					0.78
27.917	0.00	0.01	0.022	0					0.78
28.000	0.00	0.01	0.022	0					0.78
28.083	0.00	0.01	0.022	0					0.77
28.167	0.00	0.01	0.022	0					0.77
28.250	0.00	0.01	0.022	0					0.77
28.333	0.00	0.01	0.021	0					0.76
28.417	0.00	0.01	0.021	0					0.76
28.500	0.00	0.01	0.021	0					0.76
28.583	0.00	0.01	0.021	0					0.75
28.667	0.00	0.01	0.021	0					0.75
28.750	0.00	0.01	0.021	0					0.74
28.833	0.00	0.01	0.021	0					0.74
28.917	0.00	0.01	0.021	0					0.74
29.000	0.00	0.01	0.021	0					0.73
29.083	0.00	0.01	0.021	0					0.73
29.167	0.00	0.01	0.020	0					0.73
29.250	0.00	0.01	0.020	0					0.72
29.333	0.00	0.01	0.020	0					0.72
29.417	0.00	0.01	0.020	0					0.72
29.500	0.00	0.01	0.020	0					0.71
29.583	0.00	0.01	0.020	0					0.71
29.667	0.00	0.01	0.020	0					0.71
29.750	0.00	0.01	0.020	0					0.70
29.833	0.00	0.01	0.020	0					0.70
29.917	0.00	0.01	0.020	0					0.70
30.000	0.00	0.01	0.020	0					0.69
30.083	0.00	0.01	0.019	0					0.69
30.167	0.00	0.01	0.019	0					0.69
30.250	0.00	0.01	0.019	0					0.68
30.333	0.00	0.01	0.019	0					0.68
30.417	0.00	0.01	0.019	0					0.68
30.500	0.00	0.01	0.019	0					0.67
30.583	0.00	0.01	0.019	0					0.67
30.667	0.00	0.01	0.019	0					0.67
30.750	0.00	0.01	0.019	0					0.66
30.833	0.00	0.01	0.019	0					0.66
30.917	0.00	0.01	0.019	0					0.66
31.000	0.00	0.01	0.018	0					0.65
31.083	0.00	0.01	0.018	0					0.65
31.167	0.00	0.01	0.018	0					0.65

31.250	0.00	0.01	0.018	0					0.64
31.333	0.00	0.01	0.018	0					0.64
31.417	0.00	0.01	0.018	0					0.64
31.500	0.00	0.01	0.018	0					0.64
31.583	0.00	0.01	0.018	0					0.63
31.667	0.00	0.01	0.018	0					0.63
31.750	0.00	0.01	0.018	0					0.63
31.833	0.00	0.01	0.018	0					0.62
31.917	0.00	0.01	0.017	0					0.62
32.000	0.00	0.01	0.017	0					0.62
32.083	0.00	0.01	0.017	0					0.61
32.167	0.00	0.01	0.017	0					0.61
32.250	0.00	0.01	0.017	0					0.61
32.333	0.00	0.01	0.017	0					0.60
32.417	0.00	0.01	0.017	0					0.60
32.500	0.00	0.01	0.017	0					0.60
32.583	0.00	0.01	0.017	0					0.59
32.667	0.00	0.01	0.017	0					0.59
32.750	0.00	0.01	0.017	0					0.59
32.833	0.00	0.01	0.017	0					0.58
32.917	0.00	0.01	0.016	0					0.58
33.000	0.00	0.01	0.016	0					0.58
33.083	0.00	0.01	0.016	0					0.58
33.167	0.00	0.01	0.016	0					0.57
33.250	0.00	0.01	0.016	0					0.57
33.333	0.00	0.01	0.016	0					0.57
33.417	0.00	0.01	0.016	0					0.56
33.500	0.00	0.01	0.016	0					0.56
33.583	0.00	0.01	0.016	0					0.56
33.667	0.00	0.01	0.016	0					0.55
33.750	0.00	0.01	0.016	0					0.55
33.833	0.00	0.01	0.015	0					0.55
33.917	0.00	0.01	0.015	0					0.54
34.000	0.00	0.01	0.015	0					0.54
34.083	0.00	0.01	0.015	0					0.54
34.167	0.00	0.01	0.015	0					0.54
34.250	0.00	0.01	0.015	0					0.53
34.333	0.00	0.01	0.015	0					0.53
34.417	0.00	0.01	0.015	0					0.53
34.500	0.00	0.01	0.015	0					0.52
34.583	0.00	0.01	0.015	0					0.52
34.667	0.00	0.01	0.015	0					0.52
34.750	0.00	0.01	0.015	0					0.51
34.833	0.00	0.01	0.014	0					0.51
34.917	0.00	0.01	0.014	0					0.51
35.000	0.00	0.01	0.014	0					0.51
35.083	0.00	0.01	0.014	0					0.50
35.167	0.00	0.01	0.014	0					0.50
35.250	0.00	0.01	0.014	0					0.50
35.333	0.00	0.01	0.014	0					0.49

35.417	0.00	0.01	0.014	0					0.49
35.500	0.00	0.01	0.014	0					0.49
35.583	0.00	0.01	0.014	0					0.49
35.667	0.00	0.01	0.014	0					0.48
35.750	0.00	0.01	0.014	0					0.48
35.833	0.00	0.01	0.014	0					0.48
35.917	0.00	0.01	0.013	0					0.47
36.000	0.00	0.01	0.013	0					0.47
36.083	0.00	0.01	0.013	0					0.47
36.167	0.00	0.01	0.013	0					0.47
36.250	0.00	0.01	0.013	0					0.46
36.333	0.00	0.01	0.013	0					0.46
36.417	0.00	0.01	0.013	0					0.46
36.500	0.00	0.01	0.013	0					0.45
36.583	0.00	0.01	0.013	0					0.45
36.667	0.00	0.01	0.013	0					0.45
36.750	0.00	0.01	0.013	0					0.45
36.833	0.00	0.01	0.013	0					0.44
36.917	0.00	0.01	0.013	0					0.44
37.000	0.00	0.01	0.012	0					0.44
37.083	0.00	0.01	0.012	0					0.43
37.167	0.00	0.01	0.012	0					0.43
37.250	0.00	0.01	0.012	0					0.43
37.333	0.00	0.01	0.012	0					0.43
37.417	0.00	0.01	0.012	0					0.42
37.500	0.00	0.01	0.012	0					0.42
37.583	0.00	0.01	0.012	0					0.42
37.667	0.00	0.01	0.012	0					0.42
37.750	0.00	0.01	0.012	0					0.41
37.833	0.00	0.01	0.012	0					0.41
37.917	0.00	0.01	0.012	0					0.41
38.000	0.00	0.01	0.012	0					0.40
38.083	0.00	0.01	0.011	0					0.40
38.167	0.00	0.01	0.011	0					0.40
38.250	0.00	0.01	0.011	0					0.40
38.333	0.00	0.01	0.011	0					0.39
38.417	0.00	0.01	0.011	0					0.39
38.500	0.00	0.01	0.011	0					0.39
38.583	0.00	0.01	0.011	0					0.39
38.667	0.00	0.01	0.011	0					0.38
38.750	0.00	0.01	0.011	0					0.38
38.833	0.00	0.01	0.011	0					0.38
38.917	0.00	0.01	0.011	0					0.37
39.000	0.00	0.01	0.011	0					0.37
39.083	0.00	0.01	0.011	0					0.37
39.167	0.00	0.01	0.010	0					0.37
39.250	0.00	0.01	0.010	0					0.36
39.333	0.00	0.01	0.010	0					0.36
39.417	0.00	0.01	0.010	0					0.36
39.500	0.00	0.01	0.010	0					0.36

39.583	0.00	0.01	0.010	0					0.35
39.667	0.00	0.01	0.010	0					0.35
39.750	0.00	0.01	0.010	0					0.35
39.833	0.00	0.01	0.010	0					0.35
39.917	0.00	0.01	0.010	0					0.34
40.000	0.00	0.01	0.010	0					0.34
40.083	0.00	0.01	0.010	0					0.34
40.167	0.00	0.01	0.010	0					0.34
40.250	0.00	0.01	0.010	0					0.33
40.333	0.00	0.01	0.009	0					0.33
40.417	0.00	0.01	0.009	0					0.33
40.500	0.00	0.01	0.009	0					0.33
40.583	0.00	0.01	0.009	0					0.32
40.667	0.00	0.01	0.009	0					0.32
40.750	0.00	0.01	0.009	0					0.32
40.833	0.00	0.01	0.009	0					0.31
40.917	0.00	0.01	0.009	0					0.31
41.000	0.00	0.01	0.009	0					0.31
41.083	0.00	0.01	0.009	0					0.31
41.167	0.00	0.01	0.009	0					0.30
41.250	0.00	0.01	0.009	0					0.30
41.333	0.00	0.01	0.009	0					0.30
41.417	0.00	0.01	0.009	0					0.30
41.500	0.00	0.01	0.008	0					0.29
41.583	0.00	0.01	0.008	0					0.29
41.667	0.00	0.01	0.008	0					0.29
41.750	0.00	0.01	0.008	0					0.29
41.833	0.00	0.01	0.008	0					0.28
41.917	0.00	0.01	0.008	0					0.28
42.000	0.00	0.01	0.008	0					0.28
42.083	0.00	0.01	0.008	0					0.28
42.167	0.00	0.01	0.008	0					0.28
42.250	0.00	0.01	0.008	0					0.27
42.333	0.00	0.01	0.008	0					0.27
42.417	0.00	0.01	0.008	0					0.27
42.500	0.00	0.01	0.008	0					0.27
42.583	0.00	0.01	0.008	0					0.26
42.667	0.00	0.01	0.008	0					0.26
42.750	0.00	0.01	0.007	0					0.26
42.833	0.00	0.01	0.007	0					0.26
42.917	0.00	0.01	0.007	0					0.25
43.000	0.00	0.01	0.007	0					0.25
43.083	0.00	0.01	0.007	0					0.25
43.167	0.00	0.01	0.007	0					0.25
43.250	0.00	0.01	0.007	0					0.24
43.333	0.00	0.01	0.007	0					0.24
43.417	0.00	0.01	0.007	0					0.24
43.500	0.00	0.01	0.007	0					0.24
43.583	0.00	0.01	0.007	0					0.23
43.667	0.00	0.01	0.007	0					0.23

43.750	0.00	0.01	0.007	0					0.23
43.833	0.00	0.01	0.007	0					0.23
43.917	0.00	0.01	0.007	0					0.22
44.000	0.00	0.01	0.006	0					0.22
44.083	0.00	0.01	0.006	0					0.22
44.167	0.00	0.01	0.006	0					0.22
44.250	0.00	0.01	0.006	0					0.22
44.333	0.00	0.01	0.006	0					0.21
44.417	0.00	0.01	0.006	0					0.21
44.500	0.00	0.01	0.006	0					0.21
44.583	0.00	0.01	0.006	0					0.21
44.667	0.00	0.01	0.006	0					0.20
44.750	0.00	0.01	0.006	0					0.20
44.833	0.00	0.01	0.006	0					0.20
44.917	0.00	0.01	0.006	0					0.20
45.000	0.00	0.01	0.006	0					0.19
45.083	0.00	0.01	0.006	0					0.19
45.167	0.00	0.01	0.006	0					0.19
45.250	0.00	0.01	0.006	0					0.19
45.333	0.00	0.01	0.005	0					0.19
45.417	0.00	0.01	0.005	0					0.18
45.500	0.00	0.01	0.005	0					0.18
45.583	0.00	0.01	0.005	0					0.18
45.667	0.00	0.01	0.005	0					0.18
45.750	0.00	0.01	0.005	0					0.17
45.833	0.00	0.01	0.005	0					0.17
45.917	0.00	0.01	0.005	0					0.17
46.000	0.00	0.01	0.005	0					0.17
46.083	0.00	0.01	0.005	0					0.17
46.167	0.00	0.01	0.005	0					0.16
46.250	0.00	0.01	0.005	0					0.16
46.333	0.00	0.01	0.005	0					0.16
46.417	0.00	0.01	0.005	0					0.16
46.500	0.00	0.01	0.005	0					0.15
46.583	0.00	0.01	0.005	0					0.15
46.667	0.00	0.01	0.004	0					0.15
46.750	0.00	0.01	0.004	0					0.15
46.833	0.00	0.01	0.004	0					0.15
46.917	0.00	0.01	0.004	0					0.14
47.000	0.00	0.01	0.004	0					0.14
47.083	0.00	0.01	0.004	0					0.14
47.167	0.00	0.01	0.004	0					0.14
47.250	0.00	0.01	0.004	0					0.14
47.333	0.00	0.01	0.004	0					0.13
47.417	0.00	0.01	0.004	0					0.13
47.500	0.00	0.01	0.004	0					0.13
47.583	0.00	0.01	0.004	0					0.13
47.667	0.00	0.01	0.004	0					0.12
47.750	0.00	0.01	0.004	0					0.12
47.833	0.00	0.01	0.004	0					0.12

47.917	0.00	0.01	0.004	0					0.12
48.000	0.00	0.01	0.004	0					0.12
48.083	0.00	0.01	0.003	0					0.11
48.167	0.00	0.01	0.003	0					0.11
48.250	0.00	0.01	0.003	0					0.11
48.333	0.00	0.01	0.003	0					0.11
48.417	0.00	0.01	0.003	0					0.11
48.500	0.00	0.01	0.003	0					0.10
48.583	0.00	0.01	0.003	0					0.10
48.667	0.00	0.01	0.003	0					0.10
48.750	0.00	0.01	0.003	0					0.10
48.833	0.00	0.01	0.003	0					0.09
48.917	0.00	0.01	0.003	0					0.09
49.000	0.00	0.01	0.003	0					0.09
49.083	0.00	0.01	0.003	0					0.09
49.167	0.00	0.01	0.003	0					0.09
49.250	0.00	0.01	0.003	0					0.08
49.333	0.00	0.01	0.003	0					0.08
49.417	0.00	0.01	0.003	0					0.08
49.500	0.00	0.01	0.003	0					0.08
49.583	0.00	0.01	0.002	0					0.08
49.667	0.00	0.01	0.002	0					0.07
49.750	0.00	0.01	0.002	0					0.07
49.833	0.00	0.01	0.002	0					0.07
49.917	0.00	0.01	0.002	0					0.07
50.000	0.00	0.01	0.002	0					0.07
50.083	0.00	0.01	0.002	0					0.06
50.167	0.00	0.01	0.002	0					0.06
50.250	0.00	0.01	0.002	0					0.06
50.333	0.00	0.01	0.002	0					0.06
50.417	0.00	0.01	0.002	0					0.06
50.500	0.00	0.01	0.002	0					0.06
50.583	0.00	0.01	0.002	0					0.05
50.667	0.00	0.01	0.002	0					0.05
50.750	0.00	0.01	0.002	0					0.05
50.833	0.00	0.01	0.002	0					0.05
50.917	0.00	0.01	0.002	0					0.05
51.000	0.00	0.01	0.002	0					0.05
51.083	0.00	0.01	0.002	0					0.05
51.167	0.00	0.01	0.001	0					0.04
51.250	0.00	0.01	0.001	0					0.04
51.333	0.00	0.01	0.001	0					0.04
51.417	0.00	0.01	0.001	0					0.04
51.500	0.00	0.01	0.001	0					0.04
51.583	0.00	0.01	0.001	0					0.04
51.667	0.00	0.01	0.001	0					0.04
51.750	0.00	0.00	0.001	0					0.04
51.833	0.00	0.00	0.001	0					0.04
51.917	0.00	0.00	0.001	0					0.03
52.000	0.00	0.00	0.001	0					0.03

52.083	0.00	0.00	0.001	0					0.03
52.167	0.00	0.00	0.001	0					0.03
52.250	0.00	0.00	0.001	0					0.03
52.333	0.00	0.00	0.001	0					0.03
52.417	0.00	0.00	0.001	0					0.03
52.500	0.00	0.00	0.001	0					0.03
52.583	0.00	0.00	0.001	0					0.03
52.667	0.00	0.00	0.001	0					0.03
52.750	0.00	0.00	0.001	0					0.03
52.833	0.00	0.00	0.001	0					0.03
52.917	0.00	0.00	0.001	0					0.03
53.000	0.00	0.00	0.001	0					0.02
53.083	0.00	0.00	0.001	0					0.02
53.167	0.00	0.00	0.001	0					0.02
53.250	0.00	0.00	0.001	0					0.02
53.333	0.00	0.00	0.001	0					0.02
53.417	0.00	0.00	0.001	0					0.02
53.500	0.00	0.00	0.001	0					0.02
53.583	0.00	0.00	0.001	0					0.02
53.667	0.00	0.00	0.001	0					0.02
53.750	0.00	0.00	0.001	0					0.02
53.833	0.00	0.00	0.001	0					0.02
53.917	0.00	0.00	0.001	0					0.02
54.000	0.00	0.00	0.001	0					0.02
54.083	0.00	0.00	0.001	0					0.02
54.167	0.00	0.00	0.001	0					0.02
54.250	0.00	0.00	0.001	0					0.02
54.333	0.00	0.00	0.001	0					0.02
54.417	0.00	0.00	0.001	0					0.02
54.500	0.00	0.00	0.000	0					0.01
54.583	0.00	0.00	0.000	0					0.01
54.667	0.00	0.00	0.000	0					0.01
54.750	0.00	0.00	0.000	0					0.01
54.833	0.00	0.00	0.000	0					0.01
54.917	0.00	0.00	0.000	0					0.01
55.000	0.00	0.00	0.000	0					0.01
55.083	0.00	0.00	0.000	0					0.01
55.167	0.00	0.00	0.000	0					0.01
55.250	0.00	0.00	0.000	0					0.01
55.333	0.00	0.00	0.000	0					0.01
55.417	0.00	0.00	0.000	0					0.01
55.500	0.00	0.00	0.000	0					0.01
55.583	0.00	0.00	0.000	0					0.01
55.667	0.00	0.00	0.000	0					0.01
55.750	0.00	0.00	0.000	0					0.01
55.833	0.00	0.00	0.000	0					0.01
55.917	0.00	0.00	0.000	0					0.01
56.000	0.00	0.00	0.000	0					0.01
56.083	0.00	0.00	0.000	0					0.01
56.167	0.00	0.00	0.000	0					0.01

56.250	0.00	0.00	0.000	0					0.01
56.333	0.00	0.00	0.000	0					0.01
56.417	0.00	0.00	0.000	0					0.01
56.500	0.00	0.00	0.000	0					0.01
56.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 679

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.020 (CFS)

Total volume = 0.060 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
100 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da224100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.833 (CFS)
Total volume = 1.003 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.92	1.37	1.83	Depth (Ft.)
0.083	0.05	0.00	0.000	O					0.01
0.167	0.08	0.00	0.001	O I					0.03
0.250	0.09	0.00	0.001	O I					0.06
0.333	0.11	0.01	0.002	O I					0.09
0.417	0.13	0.01	0.003	O I					0.11
0.500	0.13	0.01	0.003	O I					0.13
0.583	0.13	0.01	0.004	O I					0.14
0.667	0.13	0.01	0.005	O I					0.16
0.750	0.13	0.01	0.006	O I					0.17
0.833	0.15	0.01	0.007	O I					0.19
0.917	0.17	0.01	0.008	O I					0.21
1.000	0.17	0.01	0.009	O I					0.23
1.083	0.15	0.01	0.010	O I					0.25
1.167	0.13	0.01	0.011	O I					0.27
1.250	0.13	0.01	0.012	O I					0.29
1.333	0.13	0.01	0.013	O I					0.30
1.417	0.13	0.01	0.013	O I					0.32
1.500	0.13	0.01	0.014	O I					0.33
1.583	0.13	0.01	0.015	O I					0.35
1.667	0.13	0.01	0.016	O I					0.36
1.750	0.13	0.01	0.017	O I					0.38
1.833	0.15	0.01	0.017	O I					0.40

1.917	0.17	0.01	0.018	0	I					0.42
2.000	0.17	0.01	0.020	0	I					0.44
2.083	0.17	0.01	0.021	0	I					0.46
2.167	0.17	0.02	0.022	0	I					0.48
2.250	0.17	0.02	0.023	0	I					0.50
2.333	0.17	0.02	0.024	0	I					0.52
2.417	0.17	0.02	0.025	0	I					0.54
2.500	0.17	0.02	0.026	0	I					0.56
2.583	0.20	0.02	0.027	0	I					0.58
2.667	0.21	0.02	0.028	0	I					0.61
2.750	0.22	0.02	0.030	0	I					0.63
2.833	0.22	0.02	0.031	0	I					0.66
2.917	0.22	0.02	0.032	0	I					0.68
3.000	0.22	0.02	0.034	0	I					0.71
3.083	0.22	0.02	0.035	0	I					0.74
3.167	0.22	0.02	0.036	0	I					0.76
3.250	0.22	0.02	0.038	0	I					0.79
3.333	0.22	0.02	0.039	0	I					0.81
3.417	0.22	0.02	0.040	0	I					0.84
3.500	0.22	0.02	0.042	0	I					0.86
3.583	0.22	0.03	0.043	0	I					0.89
3.667	0.22	0.03	0.044	0	I					0.91
3.750	0.22	0.03	0.046	0	I					0.94
3.833	0.24	0.03	0.047	0	I					0.96
3.917	0.26	0.03	0.049	0	I					0.99
4.000	0.26	0.03	0.050	0	I					1.01
4.083	0.26	0.03	0.052	0	I					1.03
4.167	0.26	0.03	0.053	0	I					1.05
4.250	0.26	0.03	0.055	0	I					1.07
4.333	0.28	0.03	0.057	0	I					1.09
4.417	0.30	0.03	0.058	0	I					1.12
4.500	0.30	0.03	0.060	0	I					1.14
4.583	0.30	0.03	0.062	0	I					1.16
4.667	0.30	0.03	0.064	0	I					1.19
4.750	0.30	0.03	0.066	0	I					1.21
4.833	0.32	0.03	0.068	0	I					1.23
4.917	0.34	0.03	0.070	0	I					1.26
5.000	0.34	0.03	0.072	0	I					1.29
5.083	0.30	0.03	0.074	0	I					1.31
5.167	0.26	0.03	0.076	0	I					1.33
5.250	0.26	0.03	0.077	0	I					1.35
5.333	0.28	0.03	0.079	0	I					1.37
5.417	0.30	0.03	0.081	0	I					1.40
5.500	0.30	0.03	0.083	0	I					1.42
5.583	0.32	0.03	0.084	0	I					1.44
5.667	0.34	0.03	0.087	0	I					1.47
5.750	0.34	0.03	0.089	0	I					1.50
5.833	0.34	0.03	0.091	0	I					1.52
5.917	0.34	0.03	0.093	0	I					1.55
6.000	0.34	0.03	0.095	0	I					1.58

6.083	0.37	0.03	0.097	0	I					1.60
6.167	0.38	0.03	0.100	0	I					1.63
6.250	0.39	0.04	0.102	0	I					1.66
6.333	0.39	0.04	0.104	0	I					1.69
6.417	0.39	0.04	0.107	0	I					1.72
6.500	0.39	0.04	0.109	0	I					1.75
6.583	0.41	0.04	0.112	0	I					1.78
6.667	0.43	0.04	0.114	0	I					1.82
6.750	0.43	0.04	0.117	0	I					1.85
6.833	0.43	0.04	0.120	0	I					1.89
6.917	0.43	0.04	0.123	0	I					1.92
7.000	0.43	0.04	0.125	0	I					1.95
7.083	0.43	0.04	0.128	0	I					1.99
7.167	0.43	0.04	0.131	0	I					2.02
7.250	0.43	0.04	0.133	0	I					2.05
7.333	0.45	0.04	0.136	0	I					2.07
7.417	0.47	0.04	0.139	0	I					2.11
7.500	0.47	0.04	0.142	0	I					2.14
7.583	0.50	0.04	0.145	0	I					2.17
7.667	0.51	0.04	0.148	0	I					2.20
7.750	0.52	0.04	0.151	0	I					2.24
7.833	0.54	0.04	0.155	0	I					2.27
7.917	0.56	0.04	0.158	0	I					2.31
8.000	0.56	0.04	0.162	0	I					2.35
8.083	0.62	0.04	0.166	0	I					2.39
8.167	0.67	0.04	0.170	0	I					2.43
8.250	0.68	0.04	0.174	0	I					2.47
8.333	0.68	0.04	0.178	0	I					2.52
8.417	0.68	0.04	0.183	0	I					2.57
8.500	0.68	0.04	0.187	0	I					2.61
8.583	0.71	0.04	0.192	0	I					2.66
8.667	0.73	0.05	0.196	0	I					2.71
8.750	0.74	0.05	0.201	0	I					2.76
8.833	0.77	0.05	0.206	0	I					2.81
8.917	0.80	0.05	0.211	0	I					2.86
9.000	0.80	0.05	0.216	0	I					2.92
9.083	0.86	0.05	0.222	0	I					2.98
9.167	0.91	0.05	0.227	0	I					3.04
9.250	0.92	0.05	0.233	0	I					3.10
9.333	0.95	0.05	0.240	0	I					3.16
9.417	0.98	0.05	0.246	0	I					3.22
9.500	0.98	0.05	0.252	0	I					3.29
9.583	1.01	0.05	0.259	0	I					3.35
9.667	1.04	0.05	0.265	0	I					3.42
9.750	1.04	0.05	0.272	0	I					3.49
9.833	1.07	0.05	0.279	0	I					3.56
9.917	1.10	0.05	0.286	0	I					3.64
10.000	1.10	0.05	0.293	0	I					3.71
10.083	0.88	0.05	0.300	0	I					3.77
10.167	0.73	0.05	0.305	0	I					3.83

10.250	0.70	0.05	0.310	0		I				3.87
10.333	0.70	0.06	0.314	0		I				3.92
10.417	0.70	0.06	0.318	0		I				3.96
10.500	0.70	0.06	0.323	0		I				4.01
10.583	0.86	0.06	0.328	0			I			4.06
10.667	0.97	0.06	0.334	0			I			4.12
10.750	0.99	0.06	0.340	0				I		4.18
10.833	0.99	0.06	0.347	0				I		4.25
10.917	0.99	0.06	0.353	0				I		4.32
11.000	1.00	0.06	0.359	0				I		4.38
11.083	0.96	0.06	0.366	0			I			4.45
11.167	0.94	0.06	0.372	0			I			4.51
11.250	0.94	0.07	0.378	0			I			4.58
11.333	0.94	0.09	0.384	0			I			4.64
11.417	0.94	0.10	0.390	0			I			4.70
11.500	0.94	0.11	0.396	0			I			4.77
11.583	0.88	0.12	0.401	0			I			4.83
11.667	0.84	0.13	0.406	0			I			4.89
11.750	0.83	0.14	0.411	0			I			4.94
11.833	0.86	0.15	0.416	0			I			5.00
11.917	0.88	0.19	0.420	0	0		I			5.05
12.000	0.89	0.24	0.425	0	0		I			5.10
12.083	1.11	0.29	0.430	0	0			I		5.16
12.167	1.27	0.35	0.436	0	0			I		5.23
12.250	1.30	0.41	0.442	0	0			I		5.30
12.333	1.33	0.47	0.448	0	0			I		5.37
12.417	1.35	0.52	0.454	0	0			I		5.44
12.500	1.36	0.58	0.460	0	0			I		5.51
12.583	1.42	0.62	0.465	0	0			I		5.58
12.667	1.47	0.67	0.471	0	0			I		5.65
12.750	1.48	0.71	0.476	0	0			I		5.73
12.833	1.51	0.75	0.481	0	0			I		5.80
12.917	1.53	0.79	0.487	0	0			I		5.86
13.000	1.54	0.83	0.492	0	0			I		5.93
13.083	1.70	0.88	0.497	0	0				I	6.00
13.167	1.81	0.92	0.503	0	0				I	6.12
13.250	1.83	0.98	0.509	0	0				I	6.25
13.333	1.83	1.02	0.514	0	0				I	6.37
13.417	1.83	1.07	0.520	0	0				I	6.49
13.500	1.83	1.11	0.525	0	0				I	6.59
13.583	1.48	1.14	0.529	0	0			I		6.67
13.667	1.24	1.15	0.530	0	0	I				6.70
13.750	1.20	1.16	0.530	0	0					6.71
13.833	1.20	1.16	0.531	0	0					6.72
13.917	1.20	1.16	0.531	0	0					6.72
14.000	1.20	1.16	0.531	0	0					6.73
14.083	1.33	1.17	0.532	0	0	I				6.74
14.167	1.41	1.18	0.533	0	0	I				6.77
14.250	1.43	1.19	0.535	0	0	I				6.80
14.333	1.40	1.21	0.536	0	0	I				6.84

14.417	1.38	1.22	0.538				0	I		6.86
14.500	1.38	1.23	0.539				0	I		6.89
14.583	1.38	1.24	0.540				0	I		6.91
14.667	1.38	1.24	0.541				0	I		6.93
14.750	1.38	1.25	0.541				0	I		6.95
14.833	1.35	1.26	0.542				0	I		6.96
14.917	1.33	1.26	0.543					OI		6.97
15.000	1.32	1.26	0.543					OI		6.98
15.083	1.29	1.27	0.543				0			6.99
15.167	1.27	1.27	0.544				0			6.99
15.250	1.27	1.27	0.544				0			6.99
15.333	1.23	1.27	0.543					IO		6.99
15.417	1.21	1.26	0.543					IO		6.98
15.500	1.21	1.26	0.543					IO		6.97
15.583	1.08	1.26	0.542					I	0	6.96
15.667	1.00	1.24	0.541					I	0	6.93
15.750	0.98	1.23	0.539					I	0	6.89
15.833	0.98	1.21	0.537					I	0	6.85
15.917	0.98	1.20	0.536					I	0	6.82
16.000	0.98	1.19	0.534					I	0	6.79
16.083	0.54	1.16	0.531		I				0	6.73
16.167	0.23	1.12	0.526		I				0	6.62
16.250	0.17	1.07	0.520		I				0	6.49
16.333	0.17	1.02	0.514		I				0	6.36
16.417	0.17	0.97	0.508		I				0	6.24
16.500	0.17	0.93	0.503		I				0	6.12
16.583	0.15	0.88	0.498		I				0	6.02
16.667	0.13	0.84	0.493		I				0	5.94
16.750	0.13	0.80	0.488		I				0	5.88
16.833	0.13	0.77	0.483		I				0	5.82
16.917	0.13	0.73	0.479		I				0	5.77
17.000	0.13	0.70	0.475		I				0	5.71
17.083	0.18	0.67	0.471		I				0	5.66
17.167	0.21	0.65	0.468		I				0	5.62
17.250	0.22	0.62	0.465		I				0	5.58
17.333	0.22	0.60	0.463		I				0	5.55
17.417	0.22	0.58	0.460		I				0	5.51
17.500	0.22	0.56	0.458		I				0	5.48
17.583	0.22	0.54	0.455		I				0	5.46
17.667	0.22	0.51	0.453		I				0	5.43
17.750	0.22	0.49	0.451		I				0	5.41
17.833	0.19	0.48	0.449		I				0	5.38
17.917	0.18	0.46	0.447		I				0	5.36
18.000	0.17	0.44	0.445		I				0	5.34
18.083	0.17	0.42	0.444		I				0	5.32
18.167	0.17	0.40	0.442		I				0	5.30
18.250	0.17	0.39	0.440		I				0	5.28
18.333	0.17	0.38	0.439		I				0	5.26
18.417	0.17	0.36	0.438		I				0	5.25
18.500	0.17	0.35	0.436		I				0	5.23

18.583	0.15	0.34	0.435	I	0					5.22
18.667	0.13	0.32	0.434	I	0					5.20
18.750	0.13	0.31	0.432	I	0					5.19
18.833	0.11	0.30	0.431	I	0					5.17
18.917	0.09	0.29	0.430	I	0					5.16
19.000	0.09	0.27	0.429	I	0					5.14
19.083	0.11	0.26	0.427	I	0					5.13
19.167	0.13	0.25	0.426	I	0					5.12
19.250	0.13	0.24	0.426	I	0					5.11
19.333	0.15	0.24	0.425	I	0					5.10
19.417	0.17	0.23	0.424	I	0					5.09
19.500	0.17	0.23	0.424		0					5.09
19.583	0.15	0.22	0.423	IO						5.09
19.667	0.13	0.22	0.423	IO						5.08
19.750	0.13	0.21	0.422	IO						5.07
19.833	0.11	0.21	0.422	I	0					5.06
19.917	0.09	0.20	0.421	I	0					5.06
20.000	0.09	0.19	0.420	I	0					5.05
20.083	0.11	0.19	0.420	I	0					5.04
20.167	0.13	0.18	0.419	IO						5.04
20.250	0.13	0.18	0.419	IO						5.03
20.333	0.13	0.17	0.418	IO						5.03
20.417	0.13	0.17	0.418	IO						5.02
20.500	0.13	0.17	0.418		0					5.02
20.583	0.13	0.17	0.418		0					5.02
20.667	0.13	0.16	0.417		0					5.02
20.750	0.13	0.16	0.417		0					5.01
20.833	0.11	0.16	0.417	IO						5.01
20.917	0.09	0.15	0.416	IO						5.00
21.000	0.09	0.15	0.416	IO						5.00
21.083	0.11	0.15	0.416	IO						5.00
21.167	0.13	0.15	0.415		0					4.99
21.250	0.13	0.15	0.415		0					4.99
21.333	0.11	0.15	0.415	IO						4.99
21.417	0.09	0.15	0.415	IO						4.98
21.500	0.09	0.15	0.414	IO						4.98
21.583	0.11	0.15	0.414	IO						4.98
21.667	0.13	0.15	0.414		0					4.97
21.750	0.13	0.15	0.414		0					4.97
21.833	0.11	0.15	0.413	IO						4.97
21.917	0.09	0.14	0.413	IO						4.97
22.000	0.09	0.14	0.413	IO						4.96
22.083	0.11	0.14	0.412	IO						4.96
22.167	0.13	0.14	0.412		0					4.96
22.250	0.13	0.14	0.412		0					4.96
22.333	0.11	0.14	0.412	IO						4.95
22.417	0.09	0.14	0.412	IO						4.95
22.500	0.09	0.14	0.411	IO						4.95
22.583	0.09	0.14	0.411	IO						4.94
22.667	0.09	0.14	0.410	IO						4.94

22.750	0.09	0.14	0.410	IO					4.93
22.833	0.09	0.14	0.410	IO					4.93
22.917	0.09	0.14	0.409	IO					4.92
23.000	0.09	0.14	0.409	IO					4.92
23.083	0.09	0.14	0.409	IO					4.92
23.167	0.09	0.13	0.408	IO					4.91
23.250	0.09	0.13	0.408	IO					4.91
23.333	0.09	0.13	0.408	IO					4.91
23.417	0.09	0.13	0.407	IO					4.90
23.500	0.09	0.13	0.407	IO					4.90
23.583	0.09	0.13	0.407	IO					4.89
23.667	0.09	0.13	0.406	IO					4.89
23.750	0.09	0.13	0.406	IO					4.89
23.833	0.09	0.13	0.406	IO					4.88
23.917	0.09	0.13	0.405	IO					4.88
24.000	0.09	0.13	0.405	IO					4.88
24.083	0.04	0.13	0.405	I 0					4.87
24.167	0.01	0.13	0.404	I 0					4.86
24.250	0.00	0.12	0.403	I 0					4.85
24.333	0.00	0.12	0.402	I 0					4.84
24.417	0.00	0.12	0.402	I 0					4.84
24.500	0.00	0.12	0.401	I 0					4.83
24.583	0.00	0.12	0.400	I 0					4.82
24.667	0.00	0.12	0.399	I 0					4.81
24.750	0.00	0.11	0.398	IO					4.80
24.833	0.00	0.11	0.397	IO					4.79
24.917	0.00	0.11	0.397	IO					4.78
25.000	0.00	0.11	0.396	IO					4.77
25.083	0.00	0.11	0.395	IO					4.76
25.167	0.00	0.11	0.394	IO					4.76
25.250	0.00	0.10	0.394	IO					4.75
25.333	0.00	0.10	0.393	IO					4.74
25.417	0.00	0.10	0.392	IO					4.73
25.500	0.00	0.10	0.392	IO					4.72
25.583	0.00	0.10	0.391	IO					4.72
25.667	0.00	0.10	0.390	IO					4.71
25.750	0.00	0.10	0.390	IO					4.70
25.833	0.00	0.10	0.389	IO					4.70
25.917	0.00	0.09	0.388	IO					4.69
26.000	0.00	0.09	0.388	IO					4.68
26.083	0.00	0.09	0.387	IO					4.67
26.167	0.00	0.09	0.386	IO					4.67
26.250	0.00	0.09	0.386	IO					4.66
26.333	0.00	0.09	0.385	IO					4.65
26.417	0.00	0.09	0.385	IO					4.65
26.500	0.00	0.09	0.384	IO					4.64
26.583	0.00	0.08	0.383	IO					4.63
26.667	0.00	0.08	0.383	IO					4.63
26.750	0.00	0.08	0.382	IO					4.62
26.833	0.00	0.08	0.382	IO					4.62

26.917	0.00	0.08	0.381	IO					4.61
27.000	0.00	0.08	0.381	IO					4.60
27.083	0.00	0.08	0.380	IO					4.60
27.167	0.00	0.08	0.380	IO					4.59
27.250	0.00	0.08	0.379	IO					4.59
27.333	0.00	0.07	0.378	IO					4.58
27.417	0.00	0.07	0.378	IO					4.58
27.500	0.00	0.07	0.377	IO					4.57
27.583	0.00	0.07	0.377	IO					4.56
27.667	0.00	0.07	0.376	IO					4.56
27.750	0.00	0.07	0.376	IO					4.55
27.833	0.00	0.07	0.376	IO					4.55
27.917	0.00	0.07	0.375	IO					4.54
28.000	0.00	0.07	0.375	IO					4.54
28.083	0.00	0.07	0.374	IO					4.53
28.167	0.00	0.07	0.374	IO					4.53
28.250	0.00	0.06	0.373	IO					4.52
28.333	0.00	0.06	0.373	IO					4.52
28.417	0.00	0.06	0.372	IO					4.51
28.500	0.00	0.06	0.372	IO					4.51
28.583	0.00	0.06	0.372	IO					4.51
28.667	0.00	0.06	0.371	IO					4.50
28.750	0.00	0.06	0.371	IO					4.50
28.833	0.00	0.06	0.370	IO					4.49
28.917	0.00	0.06	0.370	IO					4.49
29.000	0.00	0.06	0.369	IO					4.48
29.083	0.00	0.06	0.369	IO					4.48
29.167	0.00	0.06	0.369	IO					4.48
29.250	0.00	0.06	0.368	IO					4.47
29.333	0.00	0.06	0.368	IO					4.47
29.417	0.00	0.06	0.367	IO					4.46
29.500	0.00	0.06	0.367	IO					4.46
29.583	0.00	0.06	0.367	IO					4.45
29.667	0.00	0.06	0.366	IO					4.45
29.750	0.00	0.06	0.366	IO					4.45
29.833	0.00	0.06	0.365	IO					4.44
29.917	0.00	0.06	0.365	IO					4.44
30.000	0.00	0.06	0.365	IO					4.43
30.083	0.00	0.06	0.364	IO					4.43
30.167	0.00	0.06	0.364	IO					4.43
30.250	0.00	0.06	0.363	IO					4.42
30.333	0.00	0.06	0.363	IO					4.42
30.417	0.00	0.06	0.362	IO					4.41
30.500	0.00	0.06	0.362	IO					4.41
30.583	0.00	0.06	0.362	IO					4.40
30.667	0.00	0.06	0.361	IO					4.40
30.750	0.00	0.06	0.361	IO					4.40
30.833	0.00	0.06	0.360	IO					4.39
30.917	0.00	0.06	0.360	IO					4.39
31.000	0.00	0.06	0.360	IO					4.38

31.083	0.00	0.06	0.359	IO					4.38
31.167	0.00	0.06	0.359	IO					4.38
31.250	0.00	0.06	0.358	IO					4.37
31.333	0.00	0.06	0.358	IO					4.37
31.417	0.00	0.06	0.358	IO					4.36
31.500	0.00	0.06	0.357	IO					4.36
31.583	0.00	0.06	0.357	IO					4.35
31.667	0.00	0.06	0.356	IO					4.35
31.750	0.00	0.06	0.356	IO					4.35
31.833	0.00	0.06	0.356	IO					4.34
31.917	0.00	0.06	0.355	IO					4.34
32.000	0.00	0.06	0.355	IO					4.33
32.083	0.00	0.06	0.354	IO					4.33
32.167	0.00	0.06	0.354	IO					4.33
32.250	0.00	0.06	0.354	IO					4.32
32.333	0.00	0.06	0.353	IO					4.32
32.417	0.00	0.06	0.353	IO					4.31
32.500	0.00	0.06	0.352	IO					4.31
32.583	0.00	0.06	0.352	IO					4.31
32.667	0.00	0.06	0.352	IO					4.30
32.750	0.00	0.06	0.351	IO					4.30
32.833	0.00	0.06	0.351	IO					4.29
32.917	0.00	0.06	0.350	IO					4.29
33.000	0.00	0.06	0.350	IO					4.28
33.083	0.00	0.06	0.350	IO					4.28
33.167	0.00	0.06	0.349	IO					4.28
33.250	0.00	0.06	0.349	IO					4.27
33.333	0.00	0.06	0.348	IO					4.27
33.417	0.00	0.06	0.348	IO					4.26
33.500	0.00	0.06	0.348	IO					4.26
33.583	0.00	0.06	0.347	IO					4.26
33.667	0.00	0.06	0.347	IO					4.25
33.750	0.00	0.06	0.346	IO					4.25
33.833	0.00	0.06	0.346	IO					4.24
33.917	0.00	0.06	0.346	IO					4.24
34.000	0.00	0.06	0.345	IO					4.24
34.083	0.00	0.06	0.345	IO					4.23
34.167	0.00	0.06	0.344	IO					4.23
34.250	0.00	0.06	0.344	IO					4.22
34.333	0.00	0.06	0.344	IO					4.22
34.417	0.00	0.06	0.343	IO					4.22
34.500	0.00	0.06	0.343	IO					4.21
34.583	0.00	0.06	0.342	IO					4.21
34.667	0.00	0.06	0.342	IO					4.20
34.750	0.00	0.06	0.342	IO					4.20
34.833	0.00	0.06	0.341	IO					4.20
34.917	0.00	0.06	0.341	IO					4.19
35.000	0.00	0.06	0.340	IO					4.19
35.083	0.00	0.06	0.340	IO					4.18
35.167	0.00	0.06	0.340	IO					4.18

35.250	0.00	0.06	0.339	IO					4.18
35.333	0.00	0.06	0.339	IO					4.17
35.417	0.00	0.06	0.338	IO					4.17
35.500	0.00	0.06	0.338	IO					4.16
35.583	0.00	0.06	0.338	IO					4.16
35.667	0.00	0.06	0.337	0					4.15
35.750	0.00	0.06	0.337	0					4.15
35.833	0.00	0.06	0.336	0					4.15
35.917	0.00	0.06	0.336	0					4.14
36.000	0.00	0.06	0.336	0					4.14
36.083	0.00	0.06	0.335	0					4.13
36.167	0.00	0.06	0.335	0					4.13
36.250	0.00	0.06	0.334	0					4.13
36.333	0.00	0.06	0.334	0					4.12
36.417	0.00	0.06	0.334	0					4.12
36.500	0.00	0.06	0.333	0					4.11
36.583	0.00	0.06	0.333	0					4.11
36.667	0.00	0.06	0.332	0					4.11
36.750	0.00	0.06	0.332	0					4.10
36.833	0.00	0.06	0.332	0					4.10
36.917	0.00	0.06	0.331	0					4.09
37.000	0.00	0.06	0.331	0					4.09
37.083	0.00	0.06	0.331	0					4.09
37.167	0.00	0.06	0.330	0					4.08
37.250	0.00	0.06	0.330	0					4.08
37.333	0.00	0.06	0.329	0					4.07
37.417	0.00	0.06	0.329	0					4.07
37.500	0.00	0.06	0.329	0					4.07
37.583	0.00	0.06	0.328	0					4.06
37.667	0.00	0.06	0.328	0					4.06
37.750	0.00	0.06	0.327	0					4.05
37.833	0.00	0.06	0.327	0					4.05
37.917	0.00	0.06	0.327	0					4.05
38.000	0.00	0.06	0.326	0					4.04
38.083	0.00	0.06	0.326	0					4.04
38.167	0.00	0.06	0.325	0					4.04
38.250	0.00	0.06	0.325	0					4.03
38.333	0.00	0.06	0.325	0					4.03
38.417	0.00	0.06	0.324	0					4.02
38.500	0.00	0.06	0.324	0					4.02
38.583	0.00	0.06	0.324	0					4.02
38.667	0.00	0.06	0.323	0					4.01
38.750	0.00	0.06	0.323	0					4.01
38.833	0.00	0.06	0.322	0					4.00
38.917	0.00	0.06	0.322	0					4.00
39.000	0.00	0.06	0.322	0					4.00
39.083	0.00	0.06	0.321	0					3.99
39.167	0.00	0.06	0.321	0					3.99
39.250	0.00	0.06	0.320	0					3.98
39.333	0.00	0.06	0.320	0					3.98

39.417	0.00	0.06	0.320	0					3.98
39.500	0.00	0.06	0.319	0					3.97
39.583	0.00	0.06	0.319	0					3.97
39.667	0.00	0.06	0.319	0					3.96
39.750	0.00	0.06	0.318	0					3.96
39.833	0.00	0.06	0.318	0					3.96
39.917	0.00	0.06	0.317	0					3.95
40.000	0.00	0.06	0.317	0					3.95
40.083	0.00	0.06	0.317	0					3.94
40.167	0.00	0.06	0.316	0					3.94
40.250	0.00	0.06	0.316	0					3.94
40.333	0.00	0.06	0.315	0					3.93
40.417	0.00	0.06	0.315	0					3.93
40.500	0.00	0.06	0.315	0					3.93
40.583	0.00	0.06	0.314	0					3.92
40.667	0.00	0.06	0.314	0					3.92
40.750	0.00	0.06	0.314	0					3.91
40.833	0.00	0.06	0.313	0					3.91
40.917	0.00	0.06	0.313	0					3.91
41.000	0.00	0.06	0.312	0					3.90
41.083	0.00	0.06	0.312	0					3.90
41.167	0.00	0.06	0.312	0					3.89
41.250	0.00	0.06	0.311	0					3.89
41.333	0.00	0.06	0.311	0					3.89
41.417	0.00	0.06	0.310	0					3.88
41.500	0.00	0.06	0.310	0					3.88
41.583	0.00	0.05	0.310	0					3.87
41.667	0.00	0.05	0.309	0					3.87
41.750	0.00	0.05	0.309	0					3.87
41.833	0.00	0.05	0.309	0					3.86
41.917	0.00	0.05	0.308	0					3.86
42.000	0.00	0.05	0.308	0					3.86
42.083	0.00	0.05	0.307	0					3.85
42.167	0.00	0.05	0.307	0					3.85
42.250	0.00	0.05	0.307	0					3.84
42.333	0.00	0.05	0.306	0					3.84
42.417	0.00	0.05	0.306	0					3.84
42.500	0.00	0.05	0.306	0					3.83
42.583	0.00	0.05	0.305	0					3.83
42.667	0.00	0.05	0.305	0					3.82
42.750	0.00	0.05	0.304	0					3.82
42.833	0.00	0.05	0.304	0					3.82
42.917	0.00	0.05	0.304	0					3.81
43.000	0.00	0.05	0.303	0					3.81
43.083	0.00	0.05	0.303	0					3.81
43.167	0.00	0.05	0.303	0					3.80
43.250	0.00	0.05	0.302	0					3.80
43.333	0.00	0.05	0.302	0					3.79
43.417	0.00	0.05	0.301	0					3.79
43.500	0.00	0.05	0.301	0					3.79

43.583	0.00	0.05	0.301	0					3.78
43.667	0.00	0.05	0.300	0					3.78
43.750	0.00	0.05	0.300	0					3.78
43.833	0.00	0.05	0.300	0					3.77
43.917	0.00	0.05	0.299	0					3.77
44.000	0.00	0.05	0.299	0					3.76
44.083	0.00	0.05	0.298	0					3.76
44.167	0.00	0.05	0.298	0					3.76
44.250	0.00	0.05	0.298	0					3.75
44.333	0.00	0.05	0.297	0					3.75
44.417	0.00	0.05	0.297	0					3.74
44.500	0.00	0.05	0.297	0					3.74
44.583	0.00	0.05	0.296	0					3.74
44.667	0.00	0.05	0.296	0					3.73
44.750	0.00	0.05	0.295	0					3.73
44.833	0.00	0.05	0.295	0					3.73
44.917	0.00	0.05	0.295	0					3.72
45.000	0.00	0.05	0.294	0					3.72
45.083	0.00	0.05	0.294	0					3.71
45.167	0.00	0.05	0.294	0					3.71
45.250	0.00	0.05	0.293	0					3.71
45.333	0.00	0.05	0.293	0					3.70
45.417	0.00	0.05	0.293	0					3.70
45.500	0.00	0.05	0.292	0					3.70
45.583	0.00	0.05	0.292	0					3.69
45.667	0.00	0.05	0.291	0					3.69
45.750	0.00	0.05	0.291	0					3.68
45.833	0.00	0.05	0.291	0					3.68
45.917	0.00	0.05	0.290	0					3.68
46.000	0.00	0.05	0.290	0					3.67
46.083	0.00	0.05	0.290	0					3.67
46.167	0.00	0.05	0.289	0					3.67
46.250	0.00	0.05	0.289	0					3.66
46.333	0.00	0.05	0.288	0					3.66
46.417	0.00	0.05	0.288	0					3.65
46.500	0.00	0.05	0.288	0					3.65
46.583	0.00	0.05	0.287	0					3.65
46.667	0.00	0.05	0.287	0					3.64
46.750	0.00	0.05	0.287	0					3.64
46.833	0.00	0.05	0.286	0					3.64
46.917	0.00	0.05	0.286	0					3.63
47.000	0.00	0.05	0.286	0					3.63
47.083	0.00	0.05	0.285	0					3.62
47.167	0.00	0.05	0.285	0					3.62
47.250	0.00	0.05	0.284	0					3.62
47.333	0.00	0.05	0.284	0					3.61
47.417	0.00	0.05	0.284	0					3.61
47.500	0.00	0.05	0.283	0					3.61
47.583	0.00	0.05	0.283	0					3.60
47.667	0.00	0.05	0.283	0					3.60

47.750	0.00	0.05	0.282	0					3.59
47.833	0.00	0.05	0.282	0					3.59
47.917	0.00	0.05	0.282	0					3.59
48.000	0.00	0.05	0.281	0					3.58
48.083	0.00	0.05	0.281	0					3.58
48.167	0.00	0.05	0.280	0					3.58
48.250	0.00	0.05	0.280	0					3.57
48.333	0.00	0.05	0.280	0					3.57
48.417	0.00	0.05	0.279	0					3.57
48.500	0.00	0.05	0.279	0					3.56
48.583	0.00	0.05	0.279	0					3.56
48.667	0.00	0.05	0.278	0					3.55
48.750	0.00	0.05	0.278	0					3.55
48.833	0.00	0.05	0.278	0					3.55
48.917	0.00	0.05	0.277	0					3.54
49.000	0.00	0.05	0.277	0					3.54
49.083	0.00	0.05	0.276	0					3.54
49.167	0.00	0.05	0.276	0					3.53
49.250	0.00	0.05	0.276	0					3.53
49.333	0.00	0.05	0.275	0					3.52
49.417	0.00	0.05	0.275	0					3.52
49.500	0.00	0.05	0.275	0					3.52
49.583	0.00	0.05	0.274	0					3.51
49.667	0.00	0.05	0.274	0					3.51
49.750	0.00	0.05	0.274	0					3.51
49.833	0.00	0.05	0.273	0					3.50
49.917	0.00	0.05	0.273	0					3.50
50.000	0.00	0.05	0.273	0					3.50
50.083	0.00	0.05	0.272	0					3.49
50.167	0.00	0.05	0.272	0					3.49
50.250	0.00	0.05	0.271	0					3.48
50.333	0.00	0.05	0.271	0					3.48
50.417	0.00	0.05	0.271	0					3.48
50.500	0.00	0.05	0.270	0					3.47
50.583	0.00	0.05	0.270	0					3.47
50.667	0.00	0.05	0.270	0					3.47
50.750	0.00	0.05	0.269	0					3.46
50.833	0.00	0.05	0.269	0					3.46
50.917	0.00	0.05	0.269	0					3.46
51.000	0.00	0.05	0.268	0					3.45
51.083	0.00	0.05	0.268	0					3.45
51.167	0.00	0.05	0.268	0					3.44
51.250	0.00	0.05	0.267	0					3.44
51.333	0.00	0.05	0.267	0					3.44
51.417	0.00	0.05	0.266	0					3.43
51.500	0.00	0.05	0.266	0					3.43
51.583	0.00	0.05	0.266	0					3.43
51.667	0.00	0.05	0.265	0					3.42
51.750	0.00	0.05	0.265	0					3.42
51.833	0.00	0.05	0.265	0					3.42

51.917	0.00	0.05	0.264	0					3.41
52.000	0.00	0.05	0.264	0					3.41
52.083	0.00	0.05	0.264	0					3.40
52.167	0.00	0.05	0.263	0					3.40
52.250	0.00	0.05	0.263	0					3.40
52.333	0.00	0.05	0.263	0					3.39
52.417	0.00	0.05	0.262	0					3.39
52.500	0.00	0.05	0.262	0					3.39
52.583	0.00	0.05	0.262	0					3.38
52.667	0.00	0.05	0.261	0					3.38
52.750	0.00	0.05	0.261	0					3.38
52.833	0.00	0.05	0.260	0					3.37
52.917	0.00	0.05	0.260	0					3.37
53.000	0.00	0.05	0.260	0					3.37
53.083	0.00	0.05	0.259	0					3.36
53.167	0.00	0.05	0.259	0					3.36
53.250	0.00	0.05	0.259	0					3.35
53.333	0.00	0.05	0.258	0					3.35
53.417	0.00	0.05	0.258	0					3.35
53.500	0.00	0.05	0.258	0					3.34
53.583	0.00	0.05	0.257	0					3.34
53.667	0.00	0.05	0.257	0					3.34
53.750	0.00	0.05	0.257	0					3.33
53.833	0.00	0.05	0.256	0					3.33
53.917	0.00	0.05	0.256	0					3.33
54.000	0.00	0.05	0.256	0					3.32
54.083	0.00	0.05	0.255	0					3.32
54.167	0.00	0.05	0.255	0					3.32
54.250	0.00	0.05	0.255	0					3.31
54.333	0.00	0.05	0.254	0					3.31
54.417	0.00	0.05	0.254	0					3.30
54.500	0.00	0.05	0.254	0					3.30
54.583	0.00	0.05	0.253	0					3.30
54.667	0.00	0.05	0.253	0					3.29
54.750	0.00	0.05	0.252	0					3.29
54.833	0.00	0.05	0.252	0					3.29
54.917	0.00	0.05	0.252	0					3.28
55.000	0.00	0.05	0.251	0					3.28
55.083	0.00	0.05	0.251	0					3.28
55.167	0.00	0.05	0.251	0					3.27
55.250	0.00	0.05	0.250	0					3.27
55.333	0.00	0.05	0.250	0					3.27
55.417	0.00	0.05	0.250	0					3.26
55.500	0.00	0.05	0.249	0					3.26
55.583	0.00	0.05	0.249	0					3.26
55.667	0.00	0.05	0.249	0					3.25
55.750	0.00	0.05	0.248	0					3.25
55.833	0.00	0.05	0.248	0					3.24
55.917	0.00	0.05	0.248	0					3.24
56.000	0.00	0.05	0.247	0					3.24

56.083	0.00	0.05	0.247	0					3.23
56.167	0.00	0.05	0.247	0					3.23
56.250	0.00	0.05	0.246	0					3.23
56.333	0.00	0.05	0.246	0					3.22
56.417	0.00	0.05	0.246	0					3.22
56.500	0.00	0.05	0.245	0					3.22
56.583	0.00	0.05	0.245	0					3.21
56.667	0.00	0.05	0.245	0					3.21
56.750	0.00	0.05	0.244	0					3.21
56.833	0.00	0.05	0.244	0					3.20
56.917	0.00	0.05	0.244	0					3.20
57.000	0.00	0.05	0.243	0					3.20
57.083	0.00	0.05	0.243	0					3.19
57.167	0.00	0.05	0.243	0					3.19
57.250	0.00	0.05	0.242	0					3.19
57.333	0.00	0.05	0.242	0					3.18
57.417	0.00	0.05	0.241	0					3.18
57.500	0.00	0.05	0.241	0					3.17
57.583	0.00	0.05	0.241	0					3.17
57.667	0.00	0.05	0.240	0					3.17
57.750	0.00	0.05	0.240	0					3.16
57.833	0.00	0.05	0.240	0					3.16
57.917	0.00	0.05	0.239	0					3.16
58.000	0.00	0.05	0.239	0					3.15
58.083	0.00	0.05	0.239	0					3.15
58.167	0.00	0.05	0.238	0					3.15
58.250	0.00	0.05	0.238	0					3.14
58.333	0.00	0.05	0.238	0					3.14
58.417	0.00	0.05	0.237	0					3.14
58.500	0.00	0.05	0.237	0					3.13
58.583	0.00	0.05	0.237	0					3.13
58.667	0.00	0.05	0.236	0					3.13
58.750	0.00	0.05	0.236	0					3.12
58.833	0.00	0.05	0.236	0					3.12
58.917	0.00	0.05	0.235	0					3.12
59.000	0.00	0.05	0.235	0					3.11
59.083	0.00	0.05	0.235	0					3.11
59.167	0.00	0.05	0.234	0					3.11
59.250	0.00	0.05	0.234	0					3.10
59.333	0.00	0.05	0.234	0					3.10
59.417	0.00	0.05	0.233	0					3.10
59.500	0.00	0.05	0.233	0					3.09
59.583	0.00	0.05	0.233	0					3.09
59.667	0.00	0.05	0.232	0					3.09
59.750	0.00	0.05	0.232	0					3.08
59.833	0.00	0.05	0.232	0					3.08
59.917	0.00	0.05	0.231	0					3.08
60.000	0.00	0.05	0.231	0					3.07
60.083	0.00	0.05	0.231	0					3.07
60.167	0.00	0.05	0.230	0					3.06

60.250	0.00	0.05	0.230	0					3.06
60.333	0.00	0.05	0.230	0					3.06
60.417	0.00	0.05	0.229	0					3.05
60.500	0.00	0.05	0.229	0					3.05
60.583	0.00	0.05	0.229	0					3.05
60.667	0.00	0.05	0.228	0					3.04
60.750	0.00	0.05	0.228	0					3.04
60.833	0.00	0.05	0.228	0					3.04
60.917	0.00	0.05	0.227	0					3.03
61.000	0.00	0.05	0.227	0					3.03
61.083	0.00	0.05	0.227	0					3.03
61.167	0.00	0.05	0.226	0					3.02
61.250	0.00	0.05	0.226	0					3.02
61.333	0.00	0.05	0.226	0					3.02
61.417	0.00	0.05	0.225	0					3.01
61.500	0.00	0.05	0.225	0					3.01
61.583	0.00	0.05	0.225	0					3.01
61.667	0.00	0.05	0.224	0					3.00
61.750	0.00	0.05	0.224	0					3.00
61.833	0.00	0.05	0.224	0					3.00
61.917	0.00	0.05	0.223	0					2.99
62.000	0.00	0.05	0.223	0					2.99
62.083	0.00	0.05	0.223	0					2.99
62.167	0.00	0.05	0.222	0					2.98
62.250	0.00	0.05	0.222	0					2.98
62.333	0.00	0.05	0.222	0					2.98
62.417	0.00	0.05	0.221	0					2.97
62.500	0.00	0.05	0.221	0					2.97
62.583	0.00	0.05	0.221	0					2.97
62.667	0.00	0.05	0.220	0					2.96
62.750	0.00	0.05	0.220	0					2.96
62.833	0.00	0.05	0.220	0					2.96
62.917	0.00	0.05	0.219	0					2.95
63.000	0.00	0.05	0.219	0					2.95
63.083	0.00	0.05	0.219	0					2.94
63.167	0.00	0.05	0.218	0					2.94
63.250	0.00	0.05	0.218	0					2.94
63.333	0.00	0.05	0.218	0					2.93
63.417	0.00	0.05	0.217	0					2.93
63.500	0.00	0.05	0.217	0					2.93
63.583	0.00	0.05	0.217	0					2.92
63.667	0.00	0.05	0.216	0					2.92
63.750	0.00	0.05	0.216	0					2.92
63.833	0.00	0.05	0.216	0					2.91
63.917	0.00	0.05	0.216	0					2.91
64.000	0.00	0.05	0.215	0					2.91
64.083	0.00	0.05	0.215	0					2.90
64.167	0.00	0.05	0.215	0					2.90
64.250	0.00	0.05	0.214	0					2.90
64.333	0.00	0.05	0.214	0					2.89

64.417	0.00	0.05	0.214	0					2.89
64.500	0.00	0.05	0.213	0					2.89
64.583	0.00	0.05	0.213	0					2.88
64.667	0.00	0.05	0.213	0					2.88
64.750	0.00	0.05	0.212	0					2.88
64.833	0.00	0.05	0.212	0					2.87
64.917	0.00	0.05	0.212	0					2.87
65.000	0.00	0.05	0.211	0					2.87
65.083	0.00	0.05	0.211	0					2.86
65.167	0.00	0.05	0.211	0					2.86
65.250	0.00	0.05	0.210	0					2.86
65.333	0.00	0.05	0.210	0					2.85
65.417	0.00	0.05	0.210	0					2.85
65.500	0.00	0.05	0.209	0					2.85
65.583	0.00	0.05	0.209	0					2.84
65.667	0.00	0.05	0.209	0					2.84
65.750	0.00	0.05	0.208	0					2.84
65.833	0.00	0.05	0.208	0					2.83
65.917	0.00	0.05	0.208	0					2.83
66.000	0.00	0.05	0.207	0					2.83
66.083	0.00	0.05	0.207	0					2.82
66.167	0.00	0.05	0.207	0					2.82
66.250	0.00	0.05	0.206	0					2.82
66.333	0.00	0.05	0.206	0					2.81
66.417	0.00	0.05	0.206	0					2.81
66.500	0.00	0.05	0.206	0					2.81
66.583	0.00	0.05	0.205	0					2.80
66.667	0.00	0.05	0.205	0					2.80
66.750	0.00	0.05	0.205	0					2.80
66.833	0.00	0.05	0.204	0					2.79
66.917	0.00	0.05	0.204	0					2.79
67.000	0.00	0.05	0.204	0					2.79
67.083	0.00	0.05	0.203	0					2.78
67.167	0.00	0.05	0.203	0					2.78
67.250	0.00	0.05	0.203	0					2.78
67.333	0.00	0.05	0.202	0					2.77
67.417	0.00	0.05	0.202	0					2.77
67.500	0.00	0.05	0.202	0					2.77
67.583	0.00	0.05	0.201	0					2.76
67.667	0.00	0.05	0.201	0					2.76
67.750	0.00	0.05	0.201	0					2.76
67.833	0.00	0.05	0.200	0					2.75
67.917	0.00	0.05	0.200	0					2.75
68.000	0.00	0.05	0.200	0					2.75
68.083	0.00	0.05	0.200	0					2.74
68.167	0.00	0.05	0.199	0					2.74
68.250	0.00	0.05	0.199	0					2.74
68.333	0.00	0.05	0.199	0					2.73
68.417	0.00	0.05	0.198	0					2.73
68.500	0.00	0.05	0.198	0					2.73

68.583	0.00	0.05	0.198	0					2.72
68.667	0.00	0.05	0.197	0					2.72
68.750	0.00	0.05	0.197	0					2.72
68.833	0.00	0.05	0.197	0					2.71
68.917	0.00	0.05	0.196	0					2.71
69.000	0.00	0.05	0.196	0					2.71
69.083	0.00	0.05	0.196	0					2.70
69.167	0.00	0.05	0.195	0					2.70
69.250	0.00	0.05	0.195	0					2.70
69.333	0.00	0.05	0.195	0					2.69
69.417	0.00	0.05	0.195	0					2.69
69.500	0.00	0.05	0.194	0					2.69
69.583	0.00	0.05	0.194	0					2.68
69.667	0.00	0.05	0.194	0					2.68
69.750	0.00	0.05	0.193	0					2.68
69.833	0.00	0.05	0.193	0					2.67
69.917	0.00	0.05	0.193	0					2.67
70.000	0.00	0.05	0.192	0					2.67
70.083	0.00	0.04	0.192	0					2.66
70.167	0.00	0.04	0.192	0					2.66
70.250	0.00	0.04	0.191	0					2.66
70.333	0.00	0.04	0.191	0					2.65
70.417	0.00	0.04	0.191	0					2.65
70.500	0.00	0.04	0.190	0					2.65
70.583	0.00	0.04	0.190	0					2.64
70.667	0.00	0.04	0.190	0					2.64
70.750	0.00	0.04	0.190	0					2.64
70.833	0.00	0.04	0.189	0					2.63
70.917	0.00	0.04	0.189	0					2.63
71.000	0.00	0.04	0.189	0					2.63
71.083	0.00	0.04	0.188	0					2.62
71.167	0.00	0.04	0.188	0					2.62
71.250	0.00	0.04	0.188	0					2.62
71.333	0.00	0.04	0.187	0					2.61
71.417	0.00	0.04	0.187	0					2.61
71.500	0.00	0.04	0.187	0					2.61
71.583	0.00	0.04	0.186	0					2.61
71.667	0.00	0.04	0.186	0					2.60
71.750	0.00	0.04	0.186	0					2.60
71.833	0.00	0.04	0.186	0					2.60
71.917	0.00	0.04	0.185	0					2.59
72.000	0.00	0.04	0.185	0					2.59
72.083	0.00	0.04	0.185	0					2.59
72.167	0.00	0.04	0.184	0					2.58
72.250	0.00	0.04	0.184	0					2.58
72.333	0.00	0.04	0.184	0					2.58
72.417	0.00	0.04	0.183	0					2.57
72.500	0.00	0.04	0.183	0					2.57
72.583	0.00	0.04	0.183	0					2.57
72.667	0.00	0.04	0.183	0					2.56

72.750	0.00	0.04	0.182	0					2.56
72.833	0.00	0.04	0.182	0					2.56
72.917	0.00	0.04	0.182	0					2.55
73.000	0.00	0.04	0.181	0					2.55
73.083	0.00	0.04	0.181	0					2.55
73.167	0.00	0.04	0.181	0					2.54
73.250	0.00	0.04	0.180	0					2.54
73.333	0.00	0.04	0.180	0					2.54
73.417	0.00	0.04	0.180	0					2.53
73.500	0.00	0.04	0.180	0					2.53
73.583	0.00	0.04	0.179	0					2.53
73.667	0.00	0.04	0.179	0					2.53
73.750	0.00	0.04	0.179	0					2.52
73.833	0.00	0.04	0.178	0					2.52
73.917	0.00	0.04	0.178	0					2.52
74.000	0.00	0.04	0.178	0					2.51
74.083	0.00	0.04	0.177	0					2.51
74.167	0.00	0.04	0.177	0					2.51
74.250	0.00	0.04	0.177	0					2.50
74.333	0.00	0.04	0.176	0					2.50
74.417	0.00	0.04	0.176	0					2.50
74.500	0.00	0.04	0.176	0					2.49
74.583	0.00	0.04	0.176	0					2.49
74.667	0.00	0.04	0.175	0					2.49
74.750	0.00	0.04	0.175	0					2.48
74.833	0.00	0.04	0.175	0					2.48
74.917	0.00	0.04	0.174	0					2.48
75.000	0.00	0.04	0.174	0					2.47
75.083	0.00	0.04	0.174	0					2.47
75.167	0.00	0.04	0.174	0					2.47
75.250	0.00	0.04	0.173	0					2.47
75.333	0.00	0.04	0.173	0					2.46
75.417	0.00	0.04	0.173	0					2.46
75.500	0.00	0.04	0.172	0					2.46
75.583	0.00	0.04	0.172	0					2.45
75.667	0.00	0.04	0.172	0					2.45
75.750	0.00	0.04	0.171	0					2.45
75.833	0.00	0.04	0.171	0					2.44
75.917	0.00	0.04	0.171	0					2.44
76.000	0.00	0.04	0.171	0					2.44
76.083	0.00	0.04	0.170	0					2.43
76.167	0.00	0.04	0.170	0					2.43
76.250	0.00	0.04	0.170	0					2.43
76.333	0.00	0.04	0.169	0					2.42
76.417	0.00	0.04	0.169	0					2.42
76.500	0.00	0.04	0.169	0					2.42
76.583	0.00	0.04	0.168	0					2.42
76.667	0.00	0.04	0.168	0					2.41
76.750	0.00	0.04	0.168	0					2.41
76.833	0.00	0.04	0.168	0					2.41

76.917	0.00	0.04	0.167	0					2.40
77.000	0.00	0.04	0.167	0					2.40
77.083	0.00	0.04	0.167	0					2.40
77.167	0.00	0.04	0.166	0					2.39
77.250	0.00	0.04	0.166	0					2.39
77.333	0.00	0.04	0.166	0					2.39
77.417	0.00	0.04	0.166	0					2.38
77.500	0.00	0.04	0.165	0					2.38
77.583	0.00	0.04	0.165	0					2.38
77.667	0.00	0.04	0.165	0					2.38
77.750	0.00	0.04	0.164	0					2.37
77.833	0.00	0.04	0.164	0					2.37
77.917	0.00	0.04	0.164	0					2.37
78.000	0.00	0.04	0.164	0					2.36
78.083	0.00	0.04	0.163	0					2.36
78.167	0.00	0.04	0.163	0					2.36
78.250	0.00	0.04	0.163	0					2.35
78.333	0.00	0.04	0.162	0					2.35
78.417	0.00	0.04	0.162	0					2.35
78.500	0.00	0.04	0.162	0					2.34
78.583	0.00	0.04	0.161	0					2.34
78.667	0.00	0.04	0.161	0					2.34
78.750	0.00	0.04	0.161	0					2.34
78.833	0.00	0.04	0.161	0					2.33
78.917	0.00	0.04	0.160	0					2.33
79.000	0.00	0.04	0.160	0					2.33
79.083	0.00	0.04	0.160	0					2.32
79.167	0.00	0.04	0.159	0					2.32
79.250	0.00	0.04	0.159	0					2.32
79.333	0.00	0.04	0.159	0					2.31
79.417	0.00	0.04	0.159	0					2.31
79.500	0.00	0.04	0.158	0					2.31
79.583	0.00	0.04	0.158	0					2.31
79.667	0.00	0.04	0.158	0					2.30
79.750	0.00	0.04	0.157	0					2.30
79.833	0.00	0.04	0.157	0					2.30
79.917	0.00	0.04	0.157	0					2.29
80.000	0.00	0.04	0.157	0					2.29
80.083	0.00	0.04	0.156	0					2.29
80.167	0.00	0.04	0.156	0					2.28
80.250	0.00	0.04	0.156	0					2.28
80.333	0.00	0.04	0.155	0					2.28
80.417	0.00	0.04	0.155	0					2.28
80.500	0.00	0.04	0.155	0					2.27
80.583	0.00	0.04	0.155	0					2.27
80.667	0.00	0.04	0.154	0					2.27
80.750	0.00	0.04	0.154	0					2.26
80.833	0.00	0.04	0.154	0					2.26
80.917	0.00	0.04	0.153	0					2.26
81.000	0.00	0.04	0.153	0					2.25

81.083	0.00	0.04	0.153	0					2.25
81.167	0.00	0.04	0.153	0					2.25
81.250	0.00	0.04	0.152	0					2.25
81.333	0.00	0.04	0.152	0					2.24
81.417	0.00	0.04	0.152	0					2.24
81.500	0.00	0.04	0.151	0					2.24
81.583	0.00	0.04	0.151	0					2.23
81.667	0.00	0.04	0.151	0					2.23
81.750	0.00	0.04	0.151	0					2.23
81.833	0.00	0.04	0.150	0					2.22
81.917	0.00	0.04	0.150	0					2.22
82.000	0.00	0.04	0.150	0					2.22
82.083	0.00	0.04	0.149	0					2.22
82.167	0.00	0.04	0.149	0					2.21
82.250	0.00	0.04	0.149	0					2.21
82.333	0.00	0.04	0.149	0					2.21
82.417	0.00	0.04	0.148	0					2.20
82.500	0.00	0.04	0.148	0					2.20
82.583	0.00	0.04	0.148	0					2.20
82.667	0.00	0.04	0.147	0					2.19
82.750	0.00	0.04	0.147	0					2.19
82.833	0.00	0.04	0.147	0					2.19
82.917	0.00	0.04	0.147	0					2.19
83.000	0.00	0.04	0.146	0					2.18
83.083	0.00	0.04	0.146	0					2.18
83.167	0.00	0.04	0.146	0					2.18
83.250	0.00	0.04	0.146	0					2.17
83.333	0.00	0.04	0.145	0					2.17
83.417	0.00	0.04	0.145	0					2.17
83.500	0.00	0.04	0.145	0					2.17
83.583	0.00	0.04	0.144	0					2.16
83.667	0.00	0.04	0.144	0					2.16
83.750	0.00	0.04	0.144	0					2.16
83.833	0.00	0.04	0.144	0					2.15
83.917	0.00	0.04	0.143	0					2.15
84.000	0.00	0.04	0.143	0					2.15
84.083	0.00	0.04	0.143	0					2.14
84.167	0.00	0.04	0.142	0					2.14
84.250	0.00	0.04	0.142	0					2.14
84.333	0.00	0.04	0.142	0					2.14
84.417	0.00	0.04	0.142	0					2.13
84.500	0.00	0.04	0.141	0					2.13
84.583	0.00	0.04	0.141	0					2.13
84.667	0.00	0.04	0.141	0					2.12
84.750	0.00	0.04	0.141	0					2.12
84.833	0.00	0.04	0.140	0					2.12
84.917	0.00	0.04	0.140	0					2.12
85.000	0.00	0.04	0.140	0					2.11
85.083	0.00	0.04	0.139	0					2.11
85.167	0.00	0.04	0.139	0					2.11

85.250	0.00	0.04	0.139	0					2.10
85.333	0.00	0.04	0.139	0					2.10
85.417	0.00	0.04	0.138	0					2.10
85.500	0.00	0.04	0.138	0					2.10
85.583	0.00	0.04	0.138	0					2.09
85.667	0.00	0.04	0.138	0					2.09
85.750	0.00	0.04	0.137	0					2.09
85.833	0.00	0.04	0.137	0					2.08
85.917	0.00	0.04	0.137	0					2.08
86.000	0.00	0.04	0.136	0					2.08
86.083	0.00	0.04	0.136	0					2.08
86.167	0.00	0.04	0.136	0					2.07
86.250	0.00	0.04	0.136	0					2.07
86.333	0.00	0.04	0.135	0					2.07
86.417	0.00	0.04	0.135	0					2.06
86.500	0.00	0.04	0.135	0					2.06
86.583	0.00	0.04	0.135	0					2.06
86.667	0.00	0.04	0.134	0					2.06
86.750	0.00	0.04	0.134	0					2.05
86.833	0.00	0.04	0.134	0					2.05
86.917	0.00	0.04	0.133	0					2.05
87.000	0.00	0.04	0.133	0					2.04
87.083	0.00	0.04	0.133	0					2.04
87.167	0.00	0.04	0.133	0					2.04
87.250	0.00	0.04	0.132	0					2.04
87.333	0.00	0.04	0.132	0					2.03
87.417	0.00	0.04	0.132	0					2.03
87.500	0.00	0.04	0.132	0					2.03
87.583	0.00	0.04	0.131	0					2.02
87.667	0.00	0.04	0.131	0					2.02
87.750	0.00	0.04	0.131	0					2.02
87.833	0.00	0.04	0.130	0					2.02
87.917	0.00	0.04	0.130	0					2.01
88.000	0.00	0.04	0.130	0					2.01
88.083	0.00	0.04	0.130	0					2.01
88.167	0.00	0.04	0.129	0					2.00
88.250	0.00	0.04	0.129	0					2.00
88.333	0.00	0.04	0.129	0					2.00
88.417	0.00	0.04	0.129	0					1.99
88.500	0.00	0.04	0.128	0					1.99
88.583	0.00	0.04	0.128	0					1.99
88.667	0.00	0.04	0.128	0					1.98
88.750	0.00	0.04	0.127	0					1.98
88.833	0.00	0.04	0.127	0					1.98
88.917	0.00	0.04	0.127	0					1.97
89.000	0.00	0.04	0.127	0					1.97
89.083	0.00	0.04	0.126	0					1.97
89.167	0.00	0.04	0.126	0					1.96
89.250	0.00	0.04	0.126	0					1.96
89.333	0.00	0.04	0.126	0					1.96

89.417	0.00	0.04	0.125	0					1.95
89.500	0.00	0.04	0.125	0					1.95
89.583	0.00	0.04	0.125	0					1.95
89.667	0.00	0.04	0.125	0					1.94
89.750	0.00	0.04	0.124	0					1.94
89.833	0.00	0.04	0.124	0					1.94
89.917	0.00	0.04	0.124	0					1.93
90.000	0.00	0.04	0.124	0					1.93
90.083	0.00	0.04	0.123	0					1.93
90.167	0.00	0.04	0.123	0					1.92
90.250	0.00	0.04	0.123	0					1.92
90.333	0.00	0.04	0.122	0					1.92
90.417	0.00	0.04	0.122	0					1.91
90.500	0.00	0.04	0.122	0					1.91
90.583	0.00	0.04	0.122	0					1.91
90.667	0.00	0.04	0.121	0					1.91
90.750	0.00	0.04	0.121	0					1.90
90.833	0.00	0.04	0.121	0					1.90
90.917	0.00	0.04	0.121	0					1.90
91.000	0.00	0.04	0.120	0					1.89
91.083	0.00	0.04	0.120	0					1.89
91.167	0.00	0.04	0.120	0					1.89
91.250	0.00	0.04	0.120	0					1.88
91.333	0.00	0.04	0.119	0					1.88
91.417	0.00	0.04	0.119	0					1.88
91.500	0.00	0.04	0.119	0					1.87
91.583	0.00	0.04	0.119	0					1.87
91.667	0.00	0.04	0.118	0					1.87
91.750	0.00	0.04	0.118	0					1.86
91.833	0.00	0.04	0.118	0					1.86
91.917	0.00	0.04	0.118	0					1.86
92.000	0.00	0.04	0.117	0					1.85
92.083	0.00	0.04	0.117	0					1.85
92.167	0.00	0.04	0.117	0					1.85
92.250	0.00	0.04	0.116	0					1.84
92.333	0.00	0.04	0.116	0					1.84
92.417	0.00	0.04	0.116	0					1.84
92.500	0.00	0.04	0.116	0					1.83
92.583	0.00	0.04	0.115	0					1.83
92.667	0.00	0.04	0.115	0					1.83
92.750	0.00	0.04	0.115	0					1.82
92.833	0.00	0.04	0.115	0					1.82
92.917	0.00	0.04	0.114	0					1.82
93.000	0.00	0.04	0.114	0					1.81
93.083	0.00	0.04	0.114	0					1.81
93.167	0.00	0.04	0.114	0					1.81
93.250	0.00	0.04	0.113	0					1.81
93.333	0.00	0.04	0.113	0					1.80
93.417	0.00	0.04	0.113	0					1.80
93.500	0.00	0.04	0.113	0					1.80

93.583	0.00	0.04	0.112	0					1.79
93.667	0.00	0.04	0.112	0					1.79
93.750	0.00	0.04	0.112	0					1.79
93.833	0.00	0.04	0.112	0					1.78
93.917	0.00	0.04	0.111	0					1.78
94.000	0.00	0.04	0.111	0					1.78
94.083	0.00	0.04	0.111	0					1.77
94.167	0.00	0.04	0.111	0					1.77
94.250	0.00	0.04	0.110	0					1.77
94.333	0.00	0.04	0.110	0					1.76
94.417	0.00	0.04	0.110	0					1.76
94.500	0.00	0.04	0.110	0					1.76
94.583	0.00	0.04	0.109	0					1.75
94.667	0.00	0.04	0.109	0					1.75
94.750	0.00	0.04	0.109	0					1.75
94.833	0.00	0.04	0.109	0					1.75
94.917	0.00	0.04	0.108	0					1.74
95.000	0.00	0.04	0.108	0					1.74
95.083	0.00	0.04	0.108	0					1.74
95.167	0.00	0.04	0.108	0					1.73
95.250	0.00	0.04	0.107	0					1.73
95.333	0.00	0.04	0.107	0					1.73
95.417	0.00	0.04	0.107	0					1.72
95.500	0.00	0.04	0.107	0					1.72
95.583	0.00	0.04	0.106	0					1.72
95.667	0.00	0.04	0.106	0					1.71
95.750	0.00	0.04	0.106	0					1.71
95.833	0.00	0.04	0.106	0					1.71
95.917	0.00	0.04	0.105	0					1.71
96.000	0.00	0.04	0.105	0					1.70
96.083	0.00	0.04	0.105	0					1.70
96.167	0.00	0.04	0.105	0					1.70
96.250	0.00	0.04	0.104	0					1.69
96.333	0.00	0.04	0.104	0					1.69
96.417	0.00	0.04	0.104	0					1.69
96.500	0.00	0.04	0.104	0					1.68
96.583	0.00	0.04	0.103	0					1.68
96.667	0.00	0.04	0.103	0					1.68
96.750	0.00	0.04	0.103	0					1.67
96.833	0.00	0.04	0.103	0					1.67
96.917	0.00	0.04	0.102	0					1.67
97.000	0.00	0.04	0.102	0					1.67
97.083	0.00	0.04	0.102	0					1.66
97.167	0.00	0.04	0.102	0					1.66
97.250	0.00	0.04	0.102	0					1.66
97.333	0.00	0.04	0.101	0					1.65
97.417	0.00	0.04	0.101	0					1.65
97.500	0.00	0.04	0.101	0					1.65
97.583	0.00	0.04	0.101	0					1.64
97.667	0.00	0.04	0.100	0					1.64

97.750	0.00	0.04	0.100	0					1.64
97.833	0.00	0.03	0.100	0					1.64
97.917	0.00	0.03	0.100	0					1.63
98.000	0.00	0.03	0.099	0					1.63
98.083	0.00	0.03	0.099	0					1.63
98.167	0.00	0.03	0.099	0					1.62
98.250	0.00	0.03	0.099	0					1.62
98.333	0.00	0.03	0.098	0					1.62
98.417	0.00	0.03	0.098	0					1.61
98.500	0.00	0.03	0.098	0					1.61
98.583	0.00	0.03	0.098	0					1.61
98.667	0.00	0.03	0.097	0					1.61
98.750	0.00	0.03	0.097	0					1.60
98.833	0.00	0.03	0.097	0					1.60
98.917	0.00	0.03	0.097	0					1.60
99.000	0.00	0.03	0.096	0					1.59
99.083	0.00	0.03	0.096	0					1.59
99.167	0.00	0.03	0.096	0					1.59
99.250	0.00	0.03	0.096	0					1.58
99.333	0.00	0.03	0.096	0					1.58
99.417	0.00	0.03	0.095	0					1.58
99.500	0.00	0.03	0.095	0					1.58
99.583	0.00	0.03	0.095	0					1.57
99.667	0.00	0.03	0.095	0					1.57
99.750	0.00	0.03	0.094	0					1.57
99.833	0.00	0.03	0.094	0					1.56
99.917	0.00	0.03	0.094	0					1.56
100.000	0.00	0.03	0.094	0					1.56
100.083	0.00	0.03	0.093	0					1.55
100.167	0.00	0.03	0.093	0					1.55
100.250	0.00	0.03	0.093	0					1.55
100.333	0.00	0.03	0.093	0					1.55
100.417	0.00	0.03	0.092	0					1.54
100.500	0.00	0.03	0.092	0					1.54
100.583	0.00	0.03	0.092	0					1.54
100.667	0.00	0.03	0.092	0					1.53
100.750	0.00	0.03	0.092	0					1.53
100.833	0.00	0.03	0.091	0					1.53
100.917	0.00	0.03	0.091	0					1.53
101.000	0.00	0.03	0.091	0					1.52
101.083	0.00	0.03	0.091	0					1.52
101.167	0.00	0.03	0.090	0					1.52
101.250	0.00	0.03	0.090	0					1.51
101.333	0.00	0.03	0.090	0					1.51
101.417	0.00	0.03	0.090	0					1.51
101.500	0.00	0.03	0.089	0					1.51
101.583	0.00	0.03	0.089	0					1.50
101.667	0.00	0.03	0.089	0					1.50
101.750	0.00	0.03	0.089	0					1.50
101.833	0.00	0.03	0.089	0					1.49

101.917	0.00	0.03	0.088	0					1.49
102.000	0.00	0.03	0.088	0					1.49
102.083	0.00	0.03	0.088	0					1.49
102.167	0.00	0.03	0.088	0					1.48
102.250	0.00	0.03	0.087	0					1.48
102.333	0.00	0.03	0.087	0					1.48
102.417	0.00	0.03	0.087	0					1.47
102.500	0.00	0.03	0.087	0					1.47
102.583	0.00	0.03	0.086	0					1.47
102.667	0.00	0.03	0.086	0					1.47
102.750	0.00	0.03	0.086	0					1.46
102.833	0.00	0.03	0.086	0					1.46
102.917	0.00	0.03	0.086	0					1.46
103.000	0.00	0.03	0.085	0					1.45
103.083	0.00	0.03	0.085	0					1.45
103.167	0.00	0.03	0.085	0					1.45
103.250	0.00	0.03	0.085	0					1.45
103.333	0.00	0.03	0.084	0					1.44
103.417	0.00	0.03	0.084	0					1.44
103.500	0.00	0.03	0.084	0					1.44
103.583	0.00	0.03	0.084	0					1.43
103.667	0.00	0.03	0.083	0					1.43
103.750	0.00	0.03	0.083	0					1.43
103.833	0.00	0.03	0.083	0					1.43
103.917	0.00	0.03	0.083	0					1.42
104.000	0.00	0.03	0.083	0					1.42
104.083	0.00	0.03	0.082	0					1.42
104.167	0.00	0.03	0.082	0					1.41
104.250	0.00	0.03	0.082	0					1.41
104.333	0.00	0.03	0.082	0					1.41
104.417	0.00	0.03	0.081	0					1.41
104.500	0.00	0.03	0.081	0					1.40
104.583	0.00	0.03	0.081	0					1.40
104.667	0.00	0.03	0.081	0					1.40
104.750	0.00	0.03	0.081	0					1.39
104.833	0.00	0.03	0.080	0					1.39
104.917	0.00	0.03	0.080	0					1.39
105.000	0.00	0.03	0.080	0					1.39
105.083	0.00	0.03	0.080	0					1.38
105.167	0.00	0.03	0.079	0					1.38
105.250	0.00	0.03	0.079	0					1.38
105.333	0.00	0.03	0.079	0					1.38
105.417	0.00	0.03	0.079	0					1.37
105.500	0.00	0.03	0.079	0					1.37
105.583	0.00	0.03	0.078	0					1.37
105.667	0.00	0.03	0.078	0					1.36
105.750	0.00	0.03	0.078	0					1.36
105.833	0.00	0.03	0.078	0					1.36
105.917	0.00	0.03	0.077	0					1.36
106.000	0.00	0.03	0.077	0					1.35

106.083	0.00	0.03	0.077	0					1.35
106.167	0.00	0.03	0.077	0					1.35
106.250	0.00	0.03	0.077	0					1.35
106.333	0.00	0.03	0.076	0					1.34
106.417	0.00	0.03	0.076	0					1.34
106.500	0.00	0.03	0.076	0					1.34
106.583	0.00	0.03	0.076	0					1.33
106.667	0.00	0.03	0.076	0					1.33
106.750	0.00	0.03	0.075	0					1.33
106.833	0.00	0.03	0.075	0					1.33
106.917	0.00	0.03	0.075	0					1.32
107.000	0.00	0.03	0.075	0					1.32
107.083	0.00	0.03	0.074	0					1.32
107.167	0.00	0.03	0.074	0					1.32
107.250	0.00	0.03	0.074	0					1.31
107.333	0.00	0.03	0.074	0					1.31
107.417	0.00	0.03	0.074	0					1.31
107.500	0.00	0.03	0.073	0					1.30
107.583	0.00	0.03	0.073	0					1.30
107.667	0.00	0.03	0.073	0					1.30
107.750	0.00	0.03	0.073	0					1.30
107.833	0.00	0.03	0.072	0					1.29
107.917	0.00	0.03	0.072	0					1.29
108.000	0.00	0.03	0.072	0					1.29
108.083	0.00	0.03	0.072	0					1.29
108.167	0.00	0.03	0.072	0					1.28
108.250	0.00	0.03	0.071	0					1.28
108.333	0.00	0.03	0.071	0					1.28
108.417	0.00	0.03	0.071	0					1.27
108.500	0.00	0.03	0.071	0					1.27
108.583	0.00	0.03	0.071	0					1.27
108.667	0.00	0.03	0.070	0					1.27
108.750	0.00	0.03	0.070	0					1.26
108.833	0.00	0.03	0.070	0					1.26
108.917	0.00	0.03	0.070	0					1.26
109.000	0.00	0.03	0.069	0					1.26
109.083	0.00	0.03	0.069	0					1.25
109.167	0.00	0.03	0.069	0					1.25
109.250	0.00	0.03	0.069	0					1.25
109.333	0.00	0.03	0.069	0					1.25
109.417	0.00	0.03	0.068	0					1.24
109.500	0.00	0.03	0.068	0					1.24
109.583	0.00	0.03	0.068	0					1.24
109.667	0.00	0.03	0.068	0					1.24
109.750	0.00	0.03	0.068	0					1.23
109.833	0.00	0.03	0.067	0					1.23
109.917	0.00	0.03	0.067	0					1.23
110.000	0.00	0.03	0.067	0					1.22
110.083	0.00	0.03	0.067	0					1.22
110.167	0.00	0.03	0.067	0					1.22

110.250	0.00	0.03	0.066	0					1.22
110.333	0.00	0.03	0.066	0					1.21
110.417	0.00	0.03	0.066	0					1.21
110.500	0.00	0.03	0.066	0					1.21
110.583	0.00	0.03	0.065	0					1.21
110.667	0.00	0.03	0.065	0					1.20
110.750	0.00	0.03	0.065	0					1.20
110.833	0.00	0.03	0.065	0					1.20
110.917	0.00	0.03	0.065	0					1.20
111.000	0.00	0.03	0.064	0					1.19
111.083	0.00	0.03	0.064	0					1.19
111.167	0.00	0.03	0.064	0					1.19
111.250	0.00	0.03	0.064	0					1.19
111.333	0.00	0.03	0.064	0					1.18
111.417	0.00	0.03	0.063	0					1.18
111.500	0.00	0.03	0.063	0					1.18
111.583	0.00	0.03	0.063	0					1.18
111.667	0.00	0.03	0.063	0					1.17
111.750	0.00	0.03	0.063	0					1.17
111.833	0.00	0.03	0.062	0					1.17
111.917	0.00	0.03	0.062	0					1.16
112.000	0.00	0.03	0.062	0					1.16
112.083	0.00	0.03	0.062	0					1.16
112.167	0.00	0.03	0.062	0					1.16
112.250	0.00	0.03	0.061	0					1.15
112.333	0.00	0.03	0.061	0					1.15
112.417	0.00	0.03	0.061	0					1.15
112.500	0.00	0.03	0.061	0					1.15
112.583	0.00	0.03	0.061	0					1.14
112.667	0.00	0.03	0.060	0					1.14
112.750	0.00	0.03	0.060	0					1.14
112.833	0.00	0.03	0.060	0					1.14
112.917	0.00	0.03	0.060	0					1.13
113.000	0.00	0.03	0.060	0					1.13
113.083	0.00	0.03	0.059	0					1.13
113.167	0.00	0.03	0.059	0					1.13
113.250	0.00	0.03	0.059	0					1.12
113.333	0.00	0.03	0.059	0					1.12
113.417	0.00	0.03	0.059	0					1.12
113.500	0.00	0.03	0.058	0					1.12
113.583	0.00	0.03	0.058	0					1.11
113.667	0.00	0.03	0.058	0					1.11
113.750	0.00	0.03	0.058	0					1.11
113.833	0.00	0.03	0.058	0					1.11
113.917	0.00	0.03	0.057	0					1.10
114.000	0.00	0.03	0.057	0					1.10
114.083	0.00	0.03	0.057	0					1.10
114.167	0.00	0.03	0.057	0					1.10
114.250	0.00	0.03	0.057	0					1.09
114.333	0.00	0.03	0.056	0					1.09

114.417	0.00	0.03	0.056	0					1.09
114.500	0.00	0.03	0.056	0					1.09
114.583	0.00	0.03	0.056	0					1.08
114.667	0.00	0.03	0.056	0					1.08
114.750	0.00	0.03	0.055	0					1.08
114.833	0.00	0.03	0.055	0					1.08
114.917	0.00	0.03	0.055	0					1.07
115.000	0.00	0.03	0.055	0					1.07
115.083	0.00	0.03	0.055	0					1.07
115.167	0.00	0.03	0.054	0					1.07
115.250	0.00	0.03	0.054	0					1.06
115.333	0.00	0.03	0.054	0					1.06
115.417	0.00	0.03	0.054	0					1.06
115.500	0.00	0.03	0.054	0					1.06
115.583	0.00	0.03	0.053	0					1.05
115.667	0.00	0.03	0.053	0					1.05
115.750	0.00	0.03	0.053	0					1.05
115.833	0.00	0.03	0.053	0					1.05
115.917	0.00	0.03	0.053	0					1.04
116.000	0.00	0.03	0.052	0					1.04
116.083	0.00	0.03	0.052	0					1.04
116.167	0.00	0.03	0.052	0					1.04
116.250	0.00	0.03	0.052	0					1.03
116.333	0.00	0.03	0.052	0					1.03
116.417	0.00	0.03	0.051	0					1.03
116.500	0.00	0.03	0.051	0					1.03
116.583	0.00	0.03	0.051	0					1.02
116.667	0.00	0.03	0.051	0					1.02
116.750	0.00	0.03	0.051	0					1.02
116.833	0.00	0.03	0.050	0					1.02
116.917	0.00	0.03	0.050	0					1.02
117.000	0.00	0.03	0.050	0					1.01
117.083	0.00	0.03	0.050	0					1.01
117.167	0.00	0.03	0.050	0					1.01
117.250	0.00	0.03	0.049	0					1.01
117.333	0.00	0.03	0.049	0					1.00
117.417	0.00	0.03	0.049	0					1.00
117.500	0.00	0.03	0.049	0					1.00
117.583	0.00	0.03	0.049	0					0.99
117.667	0.00	0.03	0.048	0					0.99
117.750	0.00	0.03	0.048	0					0.99
117.833	0.00	0.03	0.048	0					0.98
117.917	0.00	0.03	0.048	0					0.98
118.000	0.00	0.03	0.048	0					0.98
118.083	0.00	0.03	0.048	0					0.97
118.167	0.00	0.03	0.047	0					0.97
118.250	0.00	0.03	0.047	0					0.96
118.333	0.00	0.03	0.047	0					0.96
118.417	0.00	0.03	0.047	0					0.96
118.500	0.00	0.03	0.047	0					0.95

118.583	0.00	0.03	0.046	0					0.95
118.667	0.00	0.03	0.046	0					0.95
118.750	0.00	0.03	0.046	0					0.94
118.833	0.00	0.03	0.046	0					0.94
118.917	0.00	0.03	0.046	0					0.94
119.000	0.00	0.03	0.045	0					0.93
119.083	0.00	0.03	0.045	0					0.93
119.167	0.00	0.03	0.045	0					0.93
119.250	0.00	0.03	0.045	0					0.92
119.333	0.00	0.03	0.045	0					0.92
119.417	0.00	0.03	0.045	0					0.92
119.500	0.00	0.03	0.044	0					0.91
119.583	0.00	0.03	0.044	0					0.91
119.667	0.00	0.03	0.044	0					0.91
119.750	0.00	0.03	0.044	0					0.90
119.833	0.00	0.03	0.044	0					0.90
119.917	0.00	0.03	0.044	0					0.90
120.000	0.00	0.03	0.043	0					0.89
120.083	0.00	0.03	0.043	0					0.89
120.167	0.00	0.03	0.043	0					0.89
120.250	0.00	0.03	0.043	0					0.88
120.333	0.00	0.03	0.043	0					0.88
120.417	0.00	0.02	0.042	0					0.88
120.500	0.00	0.02	0.042	0					0.87
120.583	0.00	0.02	0.042	0					0.87
120.667	0.00	0.02	0.042	0					0.87
120.750	0.00	0.02	0.042	0					0.86
120.833	0.00	0.02	0.042	0					0.86
120.917	0.00	0.02	0.041	0					0.86
121.000	0.00	0.02	0.041	0					0.85
121.083	0.00	0.02	0.041	0					0.85
121.167	0.00	0.02	0.041	0					0.85
121.250	0.00	0.02	0.041	0					0.84
121.333	0.00	0.02	0.041	0					0.84
121.417	0.00	0.02	0.040	0					0.84
121.500	0.00	0.02	0.040	0					0.83
121.583	0.00	0.02	0.040	0					0.83
121.667	0.00	0.02	0.040	0					0.83
121.750	0.00	0.02	0.040	0					0.82
121.833	0.00	0.02	0.040	0					0.82
121.917	0.00	0.02	0.039	0					0.82
122.000	0.00	0.02	0.039	0					0.81
122.083	0.00	0.02	0.039	0					0.81
122.167	0.00	0.02	0.039	0					0.81
122.250	0.00	0.02	0.039	0					0.81
122.333	0.00	0.02	0.039	0					0.80
122.417	0.00	0.02	0.039	0					0.80
122.500	0.00	0.02	0.038	0					0.80
122.583	0.00	0.02	0.038	0					0.79
122.667	0.00	0.02	0.038	0					0.79

122.750	0.00	0.02	0.038	0					0.79
122.833	0.00	0.02	0.038	0					0.78
122.917	0.00	0.02	0.038	0					0.78
123.000	0.00	0.02	0.037	0					0.78
123.083	0.00	0.02	0.037	0					0.78
123.167	0.00	0.02	0.037	0					0.77
123.250	0.00	0.02	0.037	0					0.77
123.333	0.00	0.02	0.037	0					0.77
123.417	0.00	0.02	0.037	0					0.76
123.500	0.00	0.02	0.036	0					0.76
123.583	0.00	0.02	0.036	0					0.76
123.667	0.00	0.02	0.036	0					0.75
123.750	0.00	0.02	0.036	0					0.75
123.833	0.00	0.02	0.036	0					0.75
123.917	0.00	0.02	0.036	0					0.75
124.000	0.00	0.02	0.036	0					0.74
124.083	0.00	0.02	0.035	0					0.74
124.167	0.00	0.02	0.035	0					0.74
124.250	0.00	0.02	0.035	0					0.73
124.333	0.00	0.02	0.035	0					0.73
124.417	0.00	0.02	0.035	0					0.73
124.500	0.00	0.02	0.035	0					0.73
124.583	0.00	0.02	0.035	0					0.72
124.667	0.00	0.02	0.034	0					0.72
124.750	0.00	0.02	0.034	0					0.72
124.833	0.00	0.02	0.034	0					0.72
124.917	0.00	0.02	0.034	0					0.71
125.000	0.00	0.02	0.034	0					0.71
125.083	0.00	0.02	0.034	0					0.71
125.167	0.00	0.02	0.034	0					0.70
125.250	0.00	0.02	0.033	0					0.70
125.333	0.00	0.02	0.033	0					0.70
125.417	0.00	0.02	0.033	0					0.70
125.500	0.00	0.02	0.033	0					0.69
125.583	0.00	0.02	0.033	0					0.69
125.667	0.00	0.02	0.033	0					0.69
125.750	0.00	0.02	0.033	0					0.69
125.833	0.00	0.02	0.032	0					0.68
125.917	0.00	0.02	0.032	0					0.68
126.000	0.00	0.02	0.032	0					0.68
126.083	0.00	0.02	0.032	0					0.67
126.167	0.00	0.02	0.032	0					0.67
126.250	0.00	0.02	0.032	0					0.67
126.333	0.00	0.02	0.032	0					0.67
126.417	0.00	0.02	0.031	0					0.66
126.500	0.00	0.02	0.031	0					0.66
126.583	0.00	0.02	0.031	0					0.66
126.667	0.00	0.02	0.031	0					0.66
126.750	0.00	0.02	0.031	0					0.65
126.833	0.00	0.02	0.031	0					0.65

126.917	0.00	0.02	0.031	0					0.65
127.000	0.00	0.02	0.031	0					0.65
127.083	0.00	0.02	0.030	0					0.64
127.167	0.00	0.02	0.030	0					0.64
127.250	0.00	0.02	0.030	0					0.64
127.333	0.00	0.02	0.030	0					0.64
127.417	0.00	0.02	0.030	0					0.63
127.500	0.00	0.02	0.030	0					0.63
127.583	0.00	0.02	0.030	0					0.63
127.667	0.00	0.02	0.029	0					0.63
127.750	0.00	0.02	0.029	0					0.62
127.833	0.00	0.02	0.029	0					0.62
127.917	0.00	0.02	0.029	0					0.62
128.000	0.00	0.02	0.029	0					0.62
128.083	0.00	0.02	0.029	0					0.61
128.167	0.00	0.02	0.029	0					0.61
128.250	0.00	0.02	0.029	0					0.61
128.333	0.00	0.02	0.028	0					0.61
128.417	0.00	0.02	0.028	0					0.60
128.500	0.00	0.02	0.028	0					0.60
128.583	0.00	0.02	0.028	0					0.60
128.667	0.00	0.02	0.028	0					0.60
128.750	0.00	0.02	0.028	0					0.59
128.833	0.00	0.02	0.028	0					0.59
128.917	0.00	0.02	0.028	0					0.59
129.000	0.00	0.02	0.027	0					0.59
129.083	0.00	0.02	0.027	0					0.58
129.167	0.00	0.02	0.027	0					0.58
129.250	0.00	0.02	0.027	0					0.58
129.333	0.00	0.02	0.027	0					0.58
129.417	0.00	0.02	0.027	0					0.58
129.500	0.00	0.02	0.027	0					0.57
129.583	0.00	0.02	0.027	0					0.57
129.667	0.00	0.02	0.026	0					0.57
129.750	0.00	0.02	0.026	0					0.57
129.833	0.00	0.02	0.026	0					0.56
129.917	0.00	0.02	0.026	0					0.56
130.000	0.00	0.02	0.026	0					0.56
130.083	0.00	0.02	0.026	0					0.56
130.167	0.00	0.02	0.026	0					0.55
130.250	0.00	0.02	0.026	0					0.55
130.333	0.00	0.02	0.026	0					0.55
130.417	0.00	0.02	0.025	0					0.55
130.500	0.00	0.02	0.025	0					0.55
130.583	0.00	0.02	0.025	0					0.54
130.667	0.00	0.02	0.025	0					0.54
130.750	0.00	0.02	0.025	0					0.54
130.833	0.00	0.02	0.025	0					0.54
130.917	0.00	0.02	0.025	0					0.53
131.000	0.00	0.02	0.025	0					0.53

131.083	0.00	0.02	0.024	0					0.53
131.167	0.00	0.02	0.024	0					0.53
131.250	0.00	0.02	0.024	0					0.53
131.333	0.00	0.02	0.024	0					0.52
131.417	0.00	0.02	0.024	0					0.52
131.500	0.00	0.02	0.024	0					0.52
131.583	0.00	0.02	0.024	0					0.52
131.667	0.00	0.02	0.024	0					0.52
131.750	0.00	0.02	0.024	0					0.51
131.833	0.00	0.02	0.023	0					0.51
131.917	0.00	0.02	0.023	0					0.51
132.000	0.00	0.02	0.023	0					0.51
132.083	0.00	0.02	0.023	0					0.50
132.167	0.00	0.02	0.023	0					0.50
132.250	0.00	0.02	0.023	0					0.50
132.333	0.00	0.02	0.023	0					0.50
132.417	0.00	0.02	0.023	0					0.50
132.500	0.00	0.02	0.023	0					0.49
132.583	0.00	0.02	0.022	0					0.49
132.667	0.00	0.02	0.022	0					0.49
132.750	0.00	0.02	0.022	0					0.49
132.833	0.00	0.02	0.022	0					0.49
132.917	0.00	0.02	0.022	0					0.48
133.000	0.00	0.02	0.022	0					0.48
133.083	0.00	0.02	0.022	0					0.48
133.167	0.00	0.02	0.022	0					0.48
133.250	0.00	0.02	0.022	0					0.48
133.333	0.00	0.02	0.022	0					0.47
133.417	0.00	0.02	0.021	0					0.47
133.500	0.00	0.02	0.021	0					0.47
133.583	0.00	0.01	0.021	0					0.47
133.667	0.00	0.01	0.021	0					0.47
133.750	0.00	0.01	0.021	0					0.46
133.833	0.00	0.01	0.021	0					0.46
133.917	0.00	0.01	0.021	0					0.46
134.000	0.00	0.01	0.021	0					0.46
134.083	0.00	0.01	0.021	0					0.46
134.167	0.00	0.01	0.020	0					0.45
134.250	0.00	0.01	0.020	0					0.45
134.333	0.00	0.01	0.020	0					0.45
134.417	0.00	0.01	0.020	0					0.45
134.500	0.00	0.01	0.020	0					0.45
134.583	0.00	0.01	0.020	0					0.44
134.667	0.00	0.01	0.020	0					0.44
134.750	0.00	0.01	0.020	0					0.44
134.833	0.00	0.01	0.020	0					0.44
134.917	0.00	0.01	0.020	0					0.44
135.000	0.00	0.01	0.020	0					0.44
135.083	0.00	0.01	0.019	0					0.43
135.167	0.00	0.01	0.019	0					0.43

135.250	0.00	0.01	0.019	0					0.43
135.333	0.00	0.01	0.019	0					0.43
135.417	0.00	0.01	0.019	0					0.43
135.500	0.00	0.01	0.019	0					0.42
135.583	0.00	0.01	0.019	0					0.42
135.667	0.00	0.01	0.019	0					0.42
135.750	0.00	0.01	0.019	0					0.42
135.833	0.00	0.01	0.019	0					0.42
135.917	0.00	0.01	0.018	0					0.41
136.000	0.00	0.01	0.018	0					0.41
136.083	0.00	0.01	0.018	0					0.41
136.167	0.00	0.01	0.018	0					0.41
136.250	0.00	0.01	0.018	0					0.41
136.333	0.00	0.01	0.018	0					0.41
136.417	0.00	0.01	0.018	0					0.40
136.500	0.00	0.01	0.018	0					0.40
136.583	0.00	0.01	0.018	0					0.40
136.667	0.00	0.01	0.018	0					0.40
136.750	0.00	0.01	0.018	0					0.40
136.833	0.00	0.01	0.017	0					0.40
136.917	0.00	0.01	0.017	0					0.39
137.000	0.00	0.01	0.017	0					0.39
137.083	0.00	0.01	0.017	0					0.39
137.167	0.00	0.01	0.017	0					0.39
137.250	0.00	0.01	0.017	0					0.39
137.333	0.00	0.01	0.017	0					0.39
137.417	0.00	0.01	0.017	0					0.38
137.500	0.00	0.01	0.017	0					0.38
137.583	0.00	0.01	0.017	0					0.38
137.667	0.00	0.01	0.017	0					0.38
137.750	0.00	0.01	0.016	0					0.38
137.833	0.00	0.01	0.016	0					0.37
137.917	0.00	0.01	0.016	0					0.37
138.000	0.00	0.01	0.016	0					0.37
138.083	0.00	0.01	0.016	0					0.37
138.167	0.00	0.01	0.016	0					0.37
138.250	0.00	0.01	0.016	0					0.37
138.333	0.00	0.01	0.016	0					0.36
138.417	0.00	0.01	0.016	0					0.36
138.500	0.00	0.01	0.016	0					0.36
138.583	0.00	0.01	0.016	0					0.36
138.667	0.00	0.01	0.015	0					0.36
138.750	0.00	0.01	0.015	0					0.36
138.833	0.00	0.01	0.015	0					0.36
138.917	0.00	0.01	0.015	0					0.35
139.000	0.00	0.01	0.015	0					0.35
139.083	0.00	0.01	0.015	0					0.35
139.167	0.00	0.01	0.015	0					0.35
139.250	0.00	0.01	0.015	0					0.35
139.333	0.00	0.01	0.015	0					0.35

139.417	0.00	0.01	0.015	0					0.34
139.500	0.00	0.01	0.015	0					0.34
139.583	0.00	0.01	0.015	0					0.34
139.667	0.00	0.01	0.014	0					0.34
139.750	0.00	0.01	0.014	0					0.34
139.833	0.00	0.01	0.014	0					0.34
139.917	0.00	0.01	0.014	0					0.33
140.000	0.00	0.01	0.014	0					0.33
140.083	0.00	0.01	0.014	0					0.33
140.167	0.00	0.01	0.014	0					0.33
140.250	0.00	0.01	0.014	0					0.33
140.333	0.00	0.01	0.014	0					0.33
140.417	0.00	0.01	0.014	0					0.33
140.500	0.00	0.01	0.014	0					0.32
140.583	0.00	0.01	0.014	0					0.32
140.667	0.00	0.01	0.014	0					0.32
140.750	0.00	0.01	0.013	0					0.32
140.833	0.00	0.01	0.013	0					0.32
140.917	0.00	0.01	0.013	0					0.32
141.000	0.00	0.01	0.013	0					0.31
141.083	0.00	0.01	0.013	0					0.31
141.167	0.00	0.01	0.013	0					0.31
141.250	0.00	0.01	0.013	0					0.31
141.333	0.00	0.01	0.013	0					0.31
141.417	0.00	0.01	0.013	0					0.31
141.500	0.00	0.01	0.013	0					0.31
141.583	0.00	0.01	0.013	0					0.30
141.667	0.00	0.01	0.013	0					0.30
141.750	0.00	0.01	0.013	0					0.30
141.833	0.00	0.01	0.012	0					0.30
141.917	0.00	0.01	0.012	0					0.30
142.000	0.00	0.01	0.012	0					0.30
142.083	0.00	0.01	0.012	0					0.30
142.167	0.00	0.01	0.012	0					0.29
142.250	0.00	0.01	0.012	0					0.29
142.333	0.00	0.01	0.012	0					0.29
142.417	0.00	0.01	0.012	0					0.29
142.500	0.00	0.01	0.012	0					0.29
142.583	0.00	0.01	0.012	0					0.29
142.667	0.00	0.01	0.012	0					0.29
142.750	0.00	0.01	0.012	0					0.28
142.833	0.00	0.01	0.012	0					0.28
142.917	0.00	0.01	0.012	0					0.28
143.000	0.00	0.01	0.011	0					0.28
143.083	0.00	0.01	0.011	0					0.28
143.167	0.00	0.01	0.011	0					0.28
143.250	0.00	0.01	0.011	0					0.28
143.333	0.00	0.01	0.011	0					0.28
143.417	0.00	0.01	0.011	0					0.27
143.500	0.00	0.01	0.011	0					0.27

143.583	0.00	0.01	0.011	0					0.27
143.667	0.00	0.01	0.011	0					0.27
143.750	0.00	0.01	0.011	0					0.27
143.833	0.00	0.01	0.011	0					0.27
143.917	0.00	0.01	0.011	0					0.27
144.000	0.00	0.01	0.011	0					0.26
144.083	0.00	0.01	0.011	0					0.26
144.167	0.00	0.01	0.010	0					0.26
144.250	0.00	0.01	0.010	0					0.26
144.333	0.00	0.01	0.010	0					0.26
144.417	0.00	0.01	0.010	0					0.26
144.500	0.00	0.01	0.010	0					0.26
144.583	0.00	0.01	0.010	0					0.26
144.667	0.00	0.01	0.010	0					0.25
144.750	0.00	0.01	0.010	0					0.25
144.833	0.00	0.01	0.010	0					0.25
144.917	0.00	0.01	0.010	0					0.25
145.000	0.00	0.01	0.010	0					0.25
145.083	0.00	0.01	0.010	0					0.25
145.167	0.00	0.01	0.010	0					0.25
145.250	0.00	0.01	0.010	0					0.25
145.333	0.00	0.01	0.010	0					0.24
145.417	0.00	0.01	0.009	0					0.24
145.500	0.00	0.01	0.009	0					0.24
145.583	0.00	0.01	0.009	0					0.24
145.667	0.00	0.01	0.009	0					0.24
145.750	0.00	0.01	0.009	0					0.24
145.833	0.00	0.01	0.009	0					0.24
145.917	0.00	0.01	0.009	0					0.24
146.000	0.00	0.01	0.009	0					0.23
146.083	0.00	0.01	0.009	0					0.23
146.167	0.00	0.01	0.009	0					0.23
146.250	0.00	0.01	0.009	0					0.23
146.333	0.00	0.01	0.009	0					0.23
146.417	0.00	0.01	0.009	0					0.23
146.500	0.00	0.01	0.009	0					0.23
146.583	0.00	0.01	0.009	0					0.23
146.667	0.00	0.01	0.008	0					0.22
146.750	0.00	0.01	0.008	0					0.22
146.833	0.00	0.01	0.008	0					0.22
146.917	0.00	0.01	0.008	0					0.22
147.000	0.00	0.01	0.008	0					0.22
147.083	0.00	0.01	0.008	0					0.22
147.167	0.00	0.01	0.008	0					0.22
147.250	0.00	0.01	0.008	0					0.22
147.333	0.00	0.01	0.008	0					0.21
147.417	0.00	0.01	0.008	0					0.21
147.500	0.00	0.01	0.008	0					0.21
147.583	0.00	0.01	0.008	0					0.21
147.667	0.00	0.01	0.008	0					0.21

147.750	0.00	0.01	0.008	0					0.21
147.833	0.00	0.01	0.008	0					0.21
147.917	0.00	0.01	0.008	0					0.21
148.000	0.00	0.01	0.008	0					0.21
148.083	0.00	0.01	0.007	0					0.20
148.167	0.00	0.01	0.007	0					0.20
148.250	0.00	0.01	0.007	0					0.20
148.333	0.00	0.01	0.007	0					0.20
148.417	0.00	0.01	0.007	0					0.20
148.500	0.00	0.01	0.007	0					0.20
148.583	0.00	0.01	0.007	0					0.20
148.667	0.00	0.01	0.007	0					0.20
148.750	0.00	0.01	0.007	0					0.20
148.833	0.00	0.01	0.007	0					0.19
148.917	0.00	0.01	0.007	0					0.19
149.000	0.00	0.01	0.007	0					0.19
149.083	0.00	0.01	0.007	0					0.19
149.167	0.00	0.01	0.007	0					0.19
149.250	0.00	0.01	0.007	0					0.19
149.333	0.00	0.01	0.007	0					0.19
149.417	0.00	0.01	0.007	0					0.19
149.500	0.00	0.01	0.006	0					0.19
149.583	0.00	0.01	0.006	0					0.18
149.667	0.00	0.01	0.006	0					0.18
149.750	0.00	0.01	0.006	0					0.18
149.833	0.00	0.01	0.006	0					0.18
149.917	0.00	0.01	0.006	0					0.18
150.000	0.00	0.01	0.006	0					0.18
150.083	0.00	0.01	0.006	0					0.18
150.167	0.00	0.01	0.006	0					0.18
150.250	0.00	0.01	0.006	0					0.18
150.333	0.00	0.01	0.006	0					0.18
150.417	0.00	0.01	0.006	0					0.17
150.500	0.00	0.01	0.006	0					0.17
150.583	0.00	0.01	0.006	0					0.17
150.667	0.00	0.01	0.006	0					0.17
150.750	0.00	0.01	0.006	0					0.17
150.833	0.00	0.01	0.006	0					0.17
150.917	0.00	0.01	0.006	0					0.17
151.000	0.00	0.01	0.006	0					0.17
151.083	0.00	0.01	0.005	0					0.17
151.167	0.00	0.01	0.005	0					0.17
151.250	0.00	0.01	0.005	0					0.16
151.333	0.00	0.01	0.005	0					0.16
151.417	0.00	0.01	0.005	0					0.16
151.500	0.00	0.01	0.005	0					0.16
151.583	0.00	0.01	0.005	0					0.16
151.667	0.00	0.01	0.005	0					0.16
151.750	0.00	0.01	0.005	0					0.16
151.833	0.00	0.01	0.005	0					0.16

151.917	0.00	0.01	0.005	0					0.16
152.000	0.00	0.01	0.005	0					0.16
152.083	0.00	0.01	0.005	0					0.15
152.167	0.00	0.01	0.005	0					0.15
152.250	0.00	0.01	0.005	0					0.15
152.333	0.00	0.01	0.005	0					0.15
152.417	0.00	0.01	0.005	0					0.15
152.500	0.00	0.01	0.005	0					0.15
152.583	0.00	0.01	0.005	0					0.15
152.667	0.00	0.01	0.004	0					0.15
152.750	0.00	0.01	0.004	0					0.15
152.833	0.00	0.01	0.004	0					0.15
152.917	0.00	0.01	0.004	0					0.14
153.000	0.00	0.01	0.004	0					0.14
153.083	0.00	0.01	0.004	0					0.14
153.167	0.00	0.01	0.004	0					0.14
153.250	0.00	0.01	0.004	0					0.14
153.333	0.00	0.01	0.004	0					0.14
153.417	0.00	0.01	0.004	0					0.14
153.500	0.00	0.01	0.004	0					0.14
153.583	0.00	0.01	0.004	0					0.14
153.667	0.00	0.01	0.004	0					0.14
153.750	0.00	0.01	0.004	0					0.14
153.833	0.00	0.01	0.004	0					0.13
153.917	0.00	0.01	0.004	0					0.13
154.000	0.00	0.01	0.004	0					0.13
154.083	0.00	0.01	0.004	0					0.13
154.167	0.00	0.01	0.004	0					0.13
154.250	0.00	0.01	0.004	0					0.13
154.333	0.00	0.01	0.004	0					0.13
154.417	0.00	0.01	0.003	0					0.13
154.500	0.00	0.01	0.003	0					0.13
154.583	0.00	0.01	0.003	0					0.13
154.667	0.00	0.01	0.003	0					0.13
154.750	0.00	0.01	0.003	0					0.13
154.833	0.00	0.01	0.003	0					0.12
154.917	0.00	0.01	0.003	0					0.12
155.000	0.00	0.01	0.003	0					0.12
155.083	0.00	0.01	0.003	0					0.12
155.167	0.00	0.01	0.003	0					0.12
155.250	0.00	0.01	0.003	0					0.12
155.333	0.00	0.01	0.003	0					0.12
155.417	0.00	0.01	0.003	0					0.12
155.500	0.00	0.01	0.003	0					0.12
155.583	0.00	0.01	0.003	0					0.12
155.667	0.00	0.01	0.003	0					0.12
155.750	0.00	0.01	0.003	0					0.11
155.833	0.00	0.01	0.003	0					0.11
155.917	0.00	0.01	0.003	0					0.11
156.000	0.00	0.01	0.003	0					0.11

156.083	0.00	0.01	0.003	0					0.11
156.167	0.00	0.01	0.003	0					0.11
156.250	0.00	0.01	0.003	0					0.11
156.333	0.00	0.01	0.002	0					0.11
156.417	0.00	0.01	0.002	0					0.11
156.500	0.00	0.01	0.002	0					0.11
156.583	0.00	0.01	0.002	0					0.11
156.667	0.00	0.01	0.002	0					0.11
156.750	0.00	0.01	0.002	0					0.10
156.833	0.00	0.01	0.002	0					0.10
156.917	0.00	0.01	0.002	0					0.10
157.000	0.00	0.01	0.002	0					0.10
157.083	0.00	0.01	0.002	0					0.10
157.167	0.00	0.01	0.002	0					0.10
157.250	0.00	0.01	0.002	0					0.10
157.333	0.00	0.01	0.002	0					0.10
157.417	0.00	0.01	0.002	0					0.10
157.500	0.00	0.01	0.002	0					0.09
157.583	0.00	0.01	0.002	0					0.09
157.667	0.00	0.01	0.002	0					0.09
157.750	0.00	0.01	0.002	0					0.09
157.833	0.00	0.01	0.002	0					0.09
157.917	0.00	0.01	0.002	0					0.08
158.000	0.00	0.00	0.002	0					0.08
158.083	0.00	0.00	0.002	0					0.08
158.167	0.00	0.00	0.002	0					0.08
158.250	0.00	0.00	0.002	0					0.08
158.333	0.00	0.00	0.002	0					0.08
158.417	0.00	0.00	0.002	0					0.08
158.500	0.00	0.00	0.001	0					0.07
158.583	0.00	0.00	0.001	0					0.07
158.667	0.00	0.00	0.001	0					0.07
158.750	0.00	0.00	0.001	0					0.07
158.833	0.00	0.00	0.001	0					0.07
158.917	0.00	0.00	0.001	0					0.07
159.000	0.00	0.00	0.001	0					0.06
159.083	0.00	0.00	0.001	0					0.06
159.167	0.00	0.00	0.001	0					0.06
159.250	0.00	0.00	0.001	0					0.06
159.333	0.00	0.00	0.001	0					0.06
159.417	0.00	0.00	0.001	0					0.06
159.500	0.00	0.00	0.001	0					0.06
159.583	0.00	0.00	0.001	0					0.06
159.667	0.00	0.00	0.001	0					0.06
159.750	0.00	0.00	0.001	0					0.05
159.833	0.00	0.00	0.001	0					0.05
159.917	0.00	0.00	0.001	0					0.05
160.000	0.00	0.00	0.001	0					0.05
160.083	0.00	0.00	0.001	0					0.05
160.167	0.00	0.00	0.001	0					0.05

160.250	0.00	0.00	0.001	0					0.05
160.333	0.00	0.00	0.001	0					0.05
160.417	0.00	0.00	0.001	0					0.05
160.500	0.00	0.00	0.001	0					0.04
160.583	0.00	0.00	0.001	0					0.04
160.667	0.00	0.00	0.001	0					0.04
160.750	0.00	0.00	0.001	0					0.04
160.833	0.00	0.00	0.001	0					0.04
160.917	0.00	0.00	0.001	0					0.04
161.000	0.00	0.00	0.001	0					0.04
161.083	0.00	0.00	0.001	0					0.04
161.167	0.00	0.00	0.001	0					0.04
161.250	0.00	0.00	0.001	0					0.04
161.333	0.00	0.00	0.001	0					0.04
161.417	0.00	0.00	0.001	0					0.04
161.500	0.00	0.00	0.001	0					0.03
161.583	0.00	0.00	0.001	0					0.03
161.667	0.00	0.00	0.001	0					0.03
161.750	0.00	0.00	0.001	0					0.03
161.833	0.00	0.00	0.001	0					0.03
161.917	0.00	0.00	0.001	0					0.03
162.000	0.00	0.00	0.001	0					0.03
162.083	0.00	0.00	0.001	0					0.03
162.167	0.00	0.00	0.001	0					0.03
162.250	0.00	0.00	0.001	0					0.03
162.333	0.00	0.00	0.001	0					0.03
162.417	0.00	0.00	0.001	0					0.03
162.500	0.00	0.00	0.001	0					0.03
162.583	0.00	0.00	0.001	0					0.03
162.667	0.00	0.00	0.001	0					0.03
162.750	0.00	0.00	0.001	0					0.03
162.833	0.00	0.00	0.001	0					0.03
162.917	0.00	0.00	0.000	0					0.02
163.000	0.00	0.00	0.000	0					0.02
163.083	0.00	0.00	0.000	0					0.02
163.167	0.00	0.00	0.000	0					0.02
163.250	0.00	0.00	0.000	0					0.02
163.333	0.00	0.00	0.000	0					0.02
163.417	0.00	0.00	0.000	0					0.02
163.500	0.00	0.00	0.000	0					0.02
163.583	0.00	0.00	0.000	0					0.02
163.667	0.00	0.00	0.000	0					0.02
163.750	0.00	0.00	0.000	0					0.02
163.833	0.00	0.00	0.000	0					0.02
163.917	0.00	0.00	0.000	0					0.02
164.000	0.00	0.00	0.000	0					0.02
164.083	0.00	0.00	0.000	0					0.02
164.167	0.00	0.00	0.000	0					0.02
164.250	0.00	0.00	0.000	0					0.02
164.333	0.00	0.00	0.000	0					0.02

164.417	0.00	0.00	0.000	0					0.02
164.500	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1974

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.268 (CFS)

Total volume = 1.002 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
100 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da26100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.892 (CFS)
Total volume = 0.595 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.2	2.45	3.67	4.89	Depth (Ft.)
0.083	0.20	0.00	0.001	OI					0.03
0.167	0.38	0.01	0.003	O I					0.11
0.250	0.43	0.01	0.005	O I					0.16
0.333	0.44	0.01	0.008	O I					0.22
0.417	0.44	0.01	0.011	O I					0.28
0.500	0.48	0.01	0.014	O I					0.34
0.583	0.51	0.01	0.018	O I					0.40
0.667	0.52	0.01	0.021	O I					0.47
0.750	0.52	0.02	0.025	O I					0.53
0.833	0.52	0.02	0.028	O I					0.60
0.917	0.52	0.02	0.031	O I					0.66
1.000	0.57	0.02	0.035	O I					0.73
1.083	0.61	0.02	0.039	O I					0.81
1.167	0.62	0.03	0.043	O I					0.89
1.250	0.62	0.03	0.047	O I					0.96
1.333	0.62	0.03	0.051	O I					1.03
1.417	0.62	0.03	0.055	O I					1.08
1.500	0.62	0.03	0.059	O I					1.13
1.583	0.62	0.03	0.063	O I					1.18
1.667	0.62	0.03	0.067	O I					1.23
1.750	0.62	0.03	0.071	O I					1.28
1.833	0.62	0.03	0.075	O I					1.33

1.917	0.62	0.03	0.080	0	I						1.38
2.000	0.67	0.03	0.084	0	I						1.43
2.083	0.65	0.03	0.088	0	I						1.49
2.167	0.68	0.03	0.092	0	I						1.54
2.250	0.71	0.03	0.097	0	I						1.60
2.333	0.72	0.04	0.102	0	I						1.66
2.417	0.72	0.04	0.106	0	I						1.72
2.500	0.72	0.04	0.111	0	I						1.77
2.583	0.72	0.04	0.116	0	I						1.83
2.667	0.72	0.04	0.120	0	I						1.89
2.750	0.77	0.04	0.125	0	I						1.95
2.833	0.81	0.04	0.130	0	I						2.01
2.917	0.81	0.04	0.136	0	I						2.07
3.000	0.81	0.04	0.141	0	I						2.13
3.083	0.81	0.04	0.146	0	I						2.18
3.167	0.87	0.04	0.152	0	I						2.24
3.250	0.90	0.04	0.158	0	I						2.30
3.333	0.91	0.04	0.164	0	I						2.36
3.417	0.97	0.04	0.170	0	I						2.43
3.500	1.06	0.04	0.176	0	I						2.50
3.583	1.15	0.04	0.184	0	I						2.58
3.667	1.20	0.04	0.192	0	I						2.66
3.750	1.26	0.05	0.200	0	I						2.74
3.833	1.30	0.05	0.208	0	I						2.83
3.917	1.36	0.05	0.217	0	I						2.93
4.000	1.40	0.05	0.226	0		I					3.02
4.083	1.46	0.05	0.236	0		I					3.12
4.167	1.55	0.05	0.246	0		I					3.22
4.250	1.65	0.05	0.256	0		I					3.33
4.333	1.74	0.05	0.268	0		I					3.45
4.417	1.84	0.05	0.280	0		I					3.57
4.500	1.89	0.05	0.292	0		I					3.69
4.583	1.95	0.05	0.305	0		I					3.83
4.667	2.04	0.06	0.318	0		I					3.96
4.750	2.14	0.06	0.332	0		I					4.10
4.833	2.18	0.06	0.347	0		I					4.25
4.917	2.24	0.06	0.362	0		I					4.40
5.000	2.33	0.07	0.377	0		I					4.56
5.083	2.64	0.10	0.393	0			I				4.74
5.167	3.11	0.14	0.412	0			I				4.96
5.250	3.49	0.32	0.433	0				I			5.20
5.333	3.80	0.54	0.456	0				I			5.46
5.417	4.20	0.73	0.479	0					I		5.76
5.500	4.89	0.94	0.504	0						I	6.16
5.583	3.28	1.12	0.525	0				I			6.60
5.667	1.42	1.18	0.534	0	I						6.78
5.750	0.63	1.18	0.533	0	I						6.76
5.833	0.42	1.14	0.528	0	I						6.66
5.917	0.29	1.10	0.523	0	I						6.55
6.000	0.19	1.05	0.517	0	I						6.43

6.083	0.07	1.00	0.511	I	0					6.30
6.167	0.01	0.94	0.505	I	0					6.16
6.250	0.00	0.89	0.498	I	0					6.03
6.333	0.00	0.84	0.492	I	0					5.94
6.417	0.00	0.80	0.487	I	0					5.87
6.500	0.00	0.75	0.482	I	0					5.80
6.583	0.00	0.71	0.476	I	0					5.73
6.667	0.00	0.67	0.472	I	0					5.67
6.750	0.00	0.64	0.467	I	0					5.61
6.833	0.00	0.60	0.463	I	0					5.55
6.917	0.00	0.57	0.459	I	0					5.50
7.000	0.00	0.53	0.455	I	0					5.45
7.083	0.00	0.50	0.452	I	0					5.41
7.167	0.00	0.47	0.448	I	0					5.37
7.250	0.00	0.44	0.445	I	0					5.33
7.333	0.00	0.41	0.442	I	0					5.30
7.417	0.00	0.38	0.439	I	0					5.27
7.500	0.00	0.36	0.437	I	0					5.24
7.583	0.00	0.33	0.435	I	0					5.21
7.667	0.00	0.31	0.432	I	0					5.19
7.750	0.00	0.29	0.430	IO						5.16
7.833	0.00	0.27	0.428	IO						5.14
7.917	0.00	0.25	0.427	IO						5.12
8.000	0.00	0.24	0.425	IO						5.10
8.083	0.00	0.22	0.423	IO						5.08
8.167	0.00	0.21	0.422	IO						5.07
8.250	0.00	0.19	0.420	IO						5.05
8.333	0.00	0.18	0.419	IO						5.04
8.417	0.00	0.17	0.418	IO						5.02
8.500	0.00	0.16	0.417	IO						5.01
8.583	0.00	0.15	0.416	O						5.00
8.667	0.00	0.15	0.415	O						4.99
8.750	0.00	0.15	0.414	O						4.97
8.833	0.00	0.14	0.413	O						4.96
8.917	0.00	0.14	0.412	O						4.95
9.000	0.00	0.14	0.411	O						4.94
9.083	0.00	0.14	0.410	O						4.93
9.167	0.00	0.14	0.409	O						4.92
9.250	0.00	0.13	0.408	O						4.91
9.333	0.00	0.13	0.407	O						4.90
9.417	0.00	0.13	0.406	O						4.89
9.500	0.00	0.13	0.405	O						4.88
9.583	0.00	0.13	0.404	O						4.87
9.667	0.00	0.12	0.403	O						4.86
9.750	0.00	0.12	0.403	O						4.85
9.833	0.00	0.12	0.402	O						4.84
9.917	0.00	0.12	0.401	O						4.83
10.000	0.00	0.12	0.400	O						4.82
10.083	0.00	0.12	0.399	O						4.81
10.167	0.00	0.11	0.398	O						4.80

10.250	0.00	0.11	0.398	0					4.79
10.333	0.00	0.11	0.397	0					4.78
10.417	0.00	0.11	0.396	0					4.77
10.500	0.00	0.11	0.395	0					4.77
10.583	0.00	0.11	0.395	0					4.76
10.667	0.00	0.10	0.394	0					4.75
10.750	0.00	0.10	0.393	0					4.74
10.833	0.00	0.10	0.393	0					4.73
10.917	0.00	0.10	0.392	0					4.73
11.000	0.00	0.10	0.391	0					4.72
11.083	0.00	0.10	0.390	0					4.71
11.167	0.00	0.10	0.390	0					4.70
11.250	0.00	0.10	0.389	0					4.70
11.333	0.00	0.09	0.388	0					4.69
11.417	0.00	0.09	0.388	0					4.68
11.500	0.00	0.09	0.387	0					4.68
11.583	0.00	0.09	0.387	0					4.67
11.667	0.00	0.09	0.386	0					4.66
11.750	0.00	0.09	0.385	0					4.66
11.833	0.00	0.09	0.385	0					4.65
11.917	0.00	0.09	0.384	0					4.64
12.000	0.00	0.08	0.384	0					4.64
12.083	0.00	0.08	0.383	0					4.63
12.167	0.00	0.08	0.382	0					4.62
12.250	0.00	0.08	0.382	0					4.62
12.333	0.00	0.08	0.381	0					4.61
12.417	0.00	0.08	0.381	0					4.61
12.500	0.00	0.08	0.380	0					4.60
12.583	0.00	0.08	0.380	0					4.59
12.667	0.00	0.08	0.379	0					4.59
12.750	0.00	0.07	0.379	0					4.58
12.833	0.00	0.07	0.378	0					4.58
12.917	0.00	0.07	0.378	0					4.57
13.000	0.00	0.07	0.377	0					4.57
13.083	0.00	0.07	0.377	0					4.56
13.167	0.00	0.07	0.376	0					4.56
13.250	0.00	0.07	0.376	0					4.55
13.333	0.00	0.07	0.375	0					4.55
13.417	0.00	0.07	0.375	0					4.54
13.500	0.00	0.07	0.374	0					4.54
13.583	0.00	0.07	0.374	0					4.53
13.667	0.00	0.06	0.373	0					4.53
13.750	0.00	0.06	0.373	0					4.52
13.833	0.00	0.06	0.372	0					4.52
13.917	0.00	0.06	0.372	0					4.51
14.000	0.00	0.06	0.372	0					4.51
14.083	0.00	0.06	0.371	0					4.50
14.167	0.00	0.06	0.371	0					4.50
14.250	0.00	0.06	0.370	0					4.49
14.333	0.00	0.06	0.370	0					4.49

14.417	0.00	0.06	0.370	0					4.49
14.500	0.00	0.06	0.369	0					4.48
14.583	0.00	0.06	0.369	0					4.48
14.667	0.00	0.06	0.368	0					4.47
14.750	0.00	0.06	0.368	0					4.47
14.833	0.00	0.06	0.367	0					4.46
14.917	0.00	0.06	0.367	0					4.46
15.000	0.00	0.06	0.367	0					4.46
15.083	0.00	0.06	0.366	0					4.45
15.167	0.00	0.06	0.366	0					4.45
15.250	0.00	0.06	0.365	0					4.44
15.333	0.00	0.06	0.365	0					4.44
15.417	0.00	0.06	0.365	0					4.43
15.500	0.00	0.06	0.364	0					4.43
15.583	0.00	0.06	0.364	0					4.43
15.667	0.00	0.06	0.363	0					4.42
15.750	0.00	0.06	0.363	0					4.42
15.833	0.00	0.06	0.363	0					4.41
15.917	0.00	0.06	0.362	0					4.41
16.000	0.00	0.06	0.362	0					4.41
16.083	0.00	0.06	0.361	0					4.40
16.167	0.00	0.06	0.361	0					4.40
16.250	0.00	0.06	0.361	0					4.39
16.333	0.00	0.06	0.360	0					4.39
16.417	0.00	0.06	0.360	0					4.38
16.500	0.00	0.06	0.359	0					4.38
16.583	0.00	0.06	0.359	0					4.38
16.667	0.00	0.06	0.358	0					4.37
16.750	0.00	0.06	0.358	0					4.37
16.833	0.00	0.06	0.358	0					4.36
16.917	0.00	0.06	0.357	0					4.36
17.000	0.00	0.06	0.357	0					4.36
17.083	0.00	0.06	0.356	0					4.35
17.167	0.00	0.06	0.356	0					4.35
17.250	0.00	0.06	0.356	0					4.34
17.333	0.00	0.06	0.355	0					4.34
17.417	0.00	0.06	0.355	0					4.34
17.500	0.00	0.06	0.354	0					4.33
17.583	0.00	0.06	0.354	0					4.33
17.667	0.00	0.06	0.354	0					4.32
17.750	0.00	0.06	0.353	0					4.32
17.833	0.00	0.06	0.353	0					4.31
17.917	0.00	0.06	0.352	0					4.31
18.000	0.00	0.06	0.352	0					4.31
18.083	0.00	0.06	0.352	0					4.30
18.167	0.00	0.06	0.351	0					4.30
18.250	0.00	0.06	0.351	0					4.29
18.333	0.00	0.06	0.350	0					4.29
18.417	0.00	0.06	0.350	0					4.29
18.500	0.00	0.06	0.350	0					4.28

18.583	0.00	0.06	0.349	0					4.28
18.667	0.00	0.06	0.349	0					4.27
18.750	0.00	0.06	0.348	0					4.27
18.833	0.00	0.06	0.348	0					4.27
18.917	0.00	0.06	0.348	0					4.26
19.000	0.00	0.06	0.347	0					4.26
19.083	0.00	0.06	0.347	0					4.25
19.167	0.00	0.06	0.346	0					4.25
19.250	0.00	0.06	0.346	0					4.25
19.333	0.00	0.06	0.346	0					4.24
19.417	0.00	0.06	0.345	0					4.24
19.500	0.00	0.06	0.345	0					4.23
19.583	0.00	0.06	0.344	0					4.23
19.667	0.00	0.06	0.344	0					4.22
19.750	0.00	0.06	0.344	0					4.22
19.833	0.00	0.06	0.343	0					4.22
19.917	0.00	0.06	0.343	0					4.21
20.000	0.00	0.06	0.342	0					4.21
20.083	0.00	0.06	0.342	0					4.20
20.167	0.00	0.06	0.342	0					4.20
20.250	0.00	0.06	0.341	0					4.20
20.333	0.00	0.06	0.341	0					4.19
20.417	0.00	0.06	0.340	0					4.19
20.500	0.00	0.06	0.340	0					4.18
20.583	0.00	0.06	0.340	0					4.18
20.667	0.00	0.06	0.339	0					4.18
20.750	0.00	0.06	0.339	0					4.17
20.833	0.00	0.06	0.338	0					4.17
20.917	0.00	0.06	0.338	0					4.16
21.000	0.00	0.06	0.338	0					4.16
21.083	0.00	0.06	0.337	0					4.16
21.167	0.00	0.06	0.337	0					4.15
21.250	0.00	0.06	0.336	0					4.15
21.333	0.00	0.06	0.336	0					4.14
21.417	0.00	0.06	0.336	0					4.14
21.500	0.00	0.06	0.335	0					4.14
21.583	0.00	0.06	0.335	0					4.13
21.667	0.00	0.06	0.335	0					4.13
21.750	0.00	0.06	0.334	0					4.12
21.833	0.00	0.06	0.334	0					4.12
21.917	0.00	0.06	0.333	0					4.12
22.000	0.00	0.06	0.333	0					4.11
22.083	0.00	0.06	0.333	0					4.11
22.167	0.00	0.06	0.332	0					4.10
22.250	0.00	0.06	0.332	0					4.10
22.333	0.00	0.06	0.331	0					4.10
22.417	0.00	0.06	0.331	0					4.09
22.500	0.00	0.06	0.331	0					4.09
22.583	0.00	0.06	0.330	0					4.08
22.667	0.00	0.06	0.330	0					4.08

22.750	0.00	0.06	0.329	0					4.08
22.833	0.00	0.06	0.329	0					4.07
22.917	0.00	0.06	0.329	0					4.07
23.000	0.00	0.06	0.328	0					4.06
23.083	0.00	0.06	0.328	0					4.06
23.167	0.00	0.06	0.327	0					4.06
23.250	0.00	0.06	0.327	0					4.05
23.333	0.00	0.06	0.327	0					4.05
23.417	0.00	0.06	0.326	0					4.04
23.500	0.00	0.06	0.326	0					4.04
23.583	0.00	0.06	0.326	0					4.04
23.667	0.00	0.06	0.325	0					4.03
23.750	0.00	0.06	0.325	0					4.03
23.833	0.00	0.06	0.324	0					4.02
23.917	0.00	0.06	0.324	0					4.02
24.000	0.00	0.06	0.324	0					4.02
24.083	0.00	0.06	0.323	0					4.01
24.167	0.00	0.06	0.323	0					4.01
24.250	0.00	0.06	0.322	0					4.00
24.333	0.00	0.06	0.322	0					4.00
24.417	0.00	0.06	0.322	0					4.00
24.500	0.00	0.06	0.321	0					3.99
24.583	0.00	0.06	0.321	0					3.99
24.667	0.00	0.06	0.321	0					3.99
24.750	0.00	0.06	0.320	0					3.98
24.833	0.00	0.06	0.320	0					3.98
24.917	0.00	0.06	0.319	0					3.97
25.000	0.00	0.06	0.319	0					3.97
25.083	0.00	0.06	0.319	0					3.97
25.167	0.00	0.06	0.318	0					3.96
25.250	0.00	0.06	0.318	0					3.96
25.333	0.00	0.06	0.317	0					3.95
25.417	0.00	0.06	0.317	0					3.95
25.500	0.00	0.06	0.317	0					3.95
25.583	0.00	0.06	0.316	0					3.94
25.667	0.00	0.06	0.316	0					3.94
25.750	0.00	0.06	0.316	0					3.93
25.833	0.00	0.06	0.315	0					3.93
25.917	0.00	0.06	0.315	0					3.93
26.000	0.00	0.06	0.314	0					3.92
26.083	0.00	0.06	0.314	0					3.92
26.167	0.00	0.06	0.314	0					3.91
26.250	0.00	0.06	0.313	0					3.91
26.333	0.00	0.06	0.313	0					3.91
26.417	0.00	0.06	0.313	0					3.90
26.500	0.00	0.06	0.312	0					3.90
26.583	0.00	0.06	0.312	0					3.90
26.667	0.00	0.06	0.311	0					3.89
26.750	0.00	0.06	0.311	0					3.89
26.833	0.00	0.06	0.311	0					3.88

26.917	0.00	0.06	0.310	0					3.88
27.000	0.00	0.06	0.310	0					3.88
27.083	0.00	0.05	0.309	0					3.87
27.167	0.00	0.05	0.309	0					3.87
27.250	0.00	0.05	0.309	0					3.86
27.333	0.00	0.05	0.308	0					3.86
27.417	0.00	0.05	0.308	0					3.86
27.500	0.00	0.05	0.308	0					3.85
27.583	0.00	0.05	0.307	0					3.85
27.667	0.00	0.05	0.307	0					3.85
27.750	0.00	0.05	0.306	0					3.84
27.833	0.00	0.05	0.306	0					3.84
27.917	0.00	0.05	0.306	0					3.83
28.000	0.00	0.05	0.305	0					3.83
28.083	0.00	0.05	0.305	0					3.83
28.167	0.00	0.05	0.305	0					3.82
28.250	0.00	0.05	0.304	0					3.82
28.333	0.00	0.05	0.304	0					3.81
28.417	0.00	0.05	0.303	0					3.81
28.500	0.00	0.05	0.303	0					3.81
28.583	0.00	0.05	0.303	0					3.80
28.667	0.00	0.05	0.302	0					3.80
28.750	0.00	0.05	0.302	0					3.80
28.833	0.00	0.05	0.302	0					3.79
28.917	0.00	0.05	0.301	0					3.79
29.000	0.00	0.05	0.301	0					3.78
29.083	0.00	0.05	0.300	0					3.78
29.167	0.00	0.05	0.300	0					3.78
29.250	0.00	0.05	0.300	0					3.77
29.333	0.00	0.05	0.299	0					3.77
29.417	0.00	0.05	0.299	0					3.76
29.500	0.00	0.05	0.299	0					3.76
29.583	0.00	0.05	0.298	0					3.76
29.667	0.00	0.05	0.298	0					3.75
29.750	0.00	0.05	0.297	0					3.75
29.833	0.00	0.05	0.297	0					3.75
29.917	0.00	0.05	0.297	0					3.74
30.000	0.00	0.05	0.296	0					3.74
30.083	0.00	0.05	0.296	0					3.73
30.167	0.00	0.05	0.296	0					3.73
30.250	0.00	0.05	0.295	0					3.73
30.333	0.00	0.05	0.295	0					3.72
30.417	0.00	0.05	0.294	0					3.72
30.500	0.00	0.05	0.294	0					3.72
30.583	0.00	0.05	0.294	0					3.71
30.667	0.00	0.05	0.293	0					3.71
30.750	0.00	0.05	0.293	0					3.70
30.833	0.00	0.05	0.293	0					3.70
30.917	0.00	0.05	0.292	0					3.70
31.000	0.00	0.05	0.292	0					3.69

31.083	0.00	0.05	0.292	0					3.69
31.167	0.00	0.05	0.291	0					3.69
31.250	0.00	0.05	0.291	0					3.68
31.333	0.00	0.05	0.290	0					3.68
31.417	0.00	0.05	0.290	0					3.67
31.500	0.00	0.05	0.290	0					3.67
31.583	0.00	0.05	0.289	0					3.67
31.667	0.00	0.05	0.289	0					3.66
31.750	0.00	0.05	0.289	0					3.66
31.833	0.00	0.05	0.288	0					3.66
31.917	0.00	0.05	0.288	0					3.65
32.000	0.00	0.05	0.287	0					3.65
32.083	0.00	0.05	0.287	0					3.64
32.167	0.00	0.05	0.287	0					3.64
32.250	0.00	0.05	0.286	0					3.64
32.333	0.00	0.05	0.286	0					3.63
32.417	0.00	0.05	0.286	0					3.63
32.500	0.00	0.05	0.285	0					3.63
32.583	0.00	0.05	0.285	0					3.62
32.667	0.00	0.05	0.285	0					3.62
32.750	0.00	0.05	0.284	0					3.61
32.833	0.00	0.05	0.284	0					3.61
32.917	0.00	0.05	0.283	0					3.61
33.000	0.00	0.05	0.283	0					3.60
33.083	0.00	0.05	0.283	0					3.60
33.167	0.00	0.05	0.282	0					3.60
33.250	0.00	0.05	0.282	0					3.59
33.333	0.00	0.05	0.282	0					3.59
33.417	0.00	0.05	0.281	0					3.58
33.500	0.00	0.05	0.281	0					3.58
33.583	0.00	0.05	0.281	0					3.58
33.667	0.00	0.05	0.280	0					3.57
33.750	0.00	0.05	0.280	0					3.57
33.833	0.00	0.05	0.279	0					3.57
33.917	0.00	0.05	0.279	0					3.56
34.000	0.00	0.05	0.279	0					3.56
34.083	0.00	0.05	0.278	0					3.56
34.167	0.00	0.05	0.278	0					3.55
34.250	0.00	0.05	0.278	0					3.55
34.333	0.00	0.05	0.277	0					3.54
34.417	0.00	0.05	0.277	0					3.54
34.500	0.00	0.05	0.277	0					3.54
34.583	0.00	0.05	0.276	0					3.53
34.667	0.00	0.05	0.276	0					3.53
34.750	0.00	0.05	0.276	0					3.53
34.833	0.00	0.05	0.275	0					3.52
34.917	0.00	0.05	0.275	0					3.52
35.000	0.00	0.05	0.274	0					3.51
35.083	0.00	0.05	0.274	0					3.51
35.167	0.00	0.05	0.274	0					3.51

35.250	0.00	0.05	0.273	0					3.50
35.333	0.00	0.05	0.273	0					3.50
35.417	0.00	0.05	0.273	0					3.50
35.500	0.00	0.05	0.272	0					3.49
35.583	0.00	0.05	0.272	0					3.49
35.667	0.00	0.05	0.272	0					3.49
35.750	0.00	0.05	0.271	0					3.48
35.833	0.00	0.05	0.271	0					3.48
35.917	0.00	0.05	0.271	0					3.47
36.000	0.00	0.05	0.270	0					3.47
36.083	0.00	0.05	0.270	0					3.47
36.167	0.00	0.05	0.269	0					3.46
36.250	0.00	0.05	0.269	0					3.46
36.333	0.00	0.05	0.269	0					3.46
36.417	0.00	0.05	0.268	0					3.45
36.500	0.00	0.05	0.268	0					3.45
36.583	0.00	0.05	0.268	0					3.45
36.667	0.00	0.05	0.267	0					3.44
36.750	0.00	0.05	0.267	0					3.44
36.833	0.00	0.05	0.267	0					3.43
36.917	0.00	0.05	0.266	0					3.43
37.000	0.00	0.05	0.266	0					3.43
37.083	0.00	0.05	0.266	0					3.42
37.167	0.00	0.05	0.265	0					3.42
37.250	0.00	0.05	0.265	0					3.42
37.333	0.00	0.05	0.264	0					3.41
37.417	0.00	0.05	0.264	0					3.41
37.500	0.00	0.05	0.264	0					3.41
37.583	0.00	0.05	0.263	0					3.40
37.667	0.00	0.05	0.263	0					3.40
37.750	0.00	0.05	0.263	0					3.39
37.833	0.00	0.05	0.262	0					3.39
37.917	0.00	0.05	0.262	0					3.39
38.000	0.00	0.05	0.262	0					3.38
38.083	0.00	0.05	0.261	0					3.38
38.167	0.00	0.05	0.261	0					3.38
38.250	0.00	0.05	0.261	0					3.37
38.333	0.00	0.05	0.260	0					3.37
38.417	0.00	0.05	0.260	0					3.37
38.500	0.00	0.05	0.260	0					3.36
38.583	0.00	0.05	0.259	0					3.36
38.667	0.00	0.05	0.259	0					3.36
38.750	0.00	0.05	0.258	0					3.35
38.833	0.00	0.05	0.258	0					3.35
38.917	0.00	0.05	0.258	0					3.34
39.000	0.00	0.05	0.257	0					3.34
39.083	0.00	0.05	0.257	0					3.34
39.167	0.00	0.05	0.257	0					3.33
39.250	0.00	0.05	0.256	0					3.33
39.333	0.00	0.05	0.256	0					3.33

39.417	0.00	0.05	0.256	0					3.32
39.500	0.00	0.05	0.255	0					3.32
39.583	0.00	0.05	0.255	0					3.32
39.667	0.00	0.05	0.255	0					3.31
39.750	0.00	0.05	0.254	0					3.31
39.833	0.00	0.05	0.254	0					3.31
39.917	0.00	0.05	0.254	0					3.30
40.000	0.00	0.05	0.253	0					3.30
40.083	0.00	0.05	0.253	0					3.30
40.167	0.00	0.05	0.253	0					3.29
40.250	0.00	0.05	0.252	0					3.29
40.333	0.00	0.05	0.252	0					3.28
40.417	0.00	0.05	0.252	0					3.28
40.500	0.00	0.05	0.251	0					3.28
40.583	0.00	0.05	0.251	0					3.27
40.667	0.00	0.05	0.250	0					3.27
40.750	0.00	0.05	0.250	0					3.27
40.833	0.00	0.05	0.250	0					3.26
40.917	0.00	0.05	0.249	0					3.26
41.000	0.00	0.05	0.249	0					3.26
41.083	0.00	0.05	0.249	0					3.25
41.167	0.00	0.05	0.248	0					3.25
41.250	0.00	0.05	0.248	0					3.25
41.333	0.00	0.05	0.248	0					3.24
41.417	0.00	0.05	0.247	0					3.24
41.500	0.00	0.05	0.247	0					3.24
41.583	0.00	0.05	0.247	0					3.23
41.667	0.00	0.05	0.246	0					3.23
41.750	0.00	0.05	0.246	0					3.22
41.833	0.00	0.05	0.246	0					3.22
41.917	0.00	0.05	0.245	0					3.22
42.000	0.00	0.05	0.245	0					3.21
42.083	0.00	0.05	0.245	0					3.21
42.167	0.00	0.05	0.244	0					3.21
42.250	0.00	0.05	0.244	0					3.20
42.333	0.00	0.05	0.244	0					3.20
42.417	0.00	0.05	0.243	0					3.20
42.500	0.00	0.05	0.243	0					3.19
42.583	0.00	0.05	0.243	0					3.19
42.667	0.00	0.05	0.242	0					3.19
42.750	0.00	0.05	0.242	0					3.18
42.833	0.00	0.05	0.242	0					3.18
42.917	0.00	0.05	0.241	0					3.18
43.000	0.00	0.05	0.241	0					3.17
43.083	0.00	0.05	0.241	0					3.17
43.167	0.00	0.05	0.240	0					3.17
43.250	0.00	0.05	0.240	0					3.16
43.333	0.00	0.05	0.240	0					3.16
43.417	0.00	0.05	0.239	0					3.16
43.500	0.00	0.05	0.239	0					3.15

43.583	0.00	0.05	0.239	0					3.15
43.667	0.00	0.05	0.238	0					3.14
43.750	0.00	0.05	0.238	0					3.14
43.833	0.00	0.05	0.238	0					3.14
43.917	0.00	0.05	0.237	0					3.13
44.000	0.00	0.05	0.237	0					3.13
44.083	0.00	0.05	0.236	0					3.13
44.167	0.00	0.05	0.236	0					3.12
44.250	0.00	0.05	0.236	0					3.12
44.333	0.00	0.05	0.235	0					3.12
44.417	0.00	0.05	0.235	0					3.11
44.500	0.00	0.05	0.235	0					3.11
44.583	0.00	0.05	0.234	0					3.11
44.667	0.00	0.05	0.234	0					3.10
44.750	0.00	0.05	0.234	0					3.10
44.833	0.00	0.05	0.233	0					3.10
44.917	0.00	0.05	0.233	0					3.09
45.000	0.00	0.05	0.233	0					3.09
45.083	0.00	0.05	0.232	0					3.09
45.167	0.00	0.05	0.232	0					3.08
45.250	0.00	0.05	0.232	0					3.08
45.333	0.00	0.05	0.231	0					3.08
45.417	0.00	0.05	0.231	0					3.07
45.500	0.00	0.05	0.231	0					3.07
45.583	0.00	0.05	0.230	0					3.07
45.667	0.00	0.05	0.230	0					3.06
45.750	0.00	0.05	0.230	0					3.06
45.833	0.00	0.05	0.229	0					3.06
45.917	0.00	0.05	0.229	0					3.05
46.000	0.00	0.05	0.229	0					3.05
46.083	0.00	0.05	0.228	0					3.05
46.167	0.00	0.05	0.228	0					3.04
46.250	0.00	0.05	0.228	0					3.04
46.333	0.00	0.05	0.227	0					3.04
46.417	0.00	0.05	0.227	0					3.03
46.500	0.00	0.05	0.227	0					3.03
46.583	0.00	0.05	0.226	0					3.02
46.667	0.00	0.05	0.226	0					3.02
46.750	0.00	0.05	0.226	0					3.02
46.833	0.00	0.05	0.225	0					3.01
46.917	0.00	0.05	0.225	0					3.01
47.000	0.00	0.05	0.225	0					3.01
47.083	0.00	0.05	0.224	0					3.00
47.167	0.00	0.05	0.224	0					3.00
47.250	0.00	0.05	0.224	0					3.00
47.333	0.00	0.05	0.223	0					2.99
47.417	0.00	0.05	0.223	0					2.99
47.500	0.00	0.05	0.223	0					2.99
47.583	0.00	0.05	0.222	0					2.98
47.667	0.00	0.05	0.222	0					2.98

47.750	0.00	0.05	0.222	0					2.98
47.833	0.00	0.05	0.221	0					2.97
47.917	0.00	0.05	0.221	0					2.97
48.000	0.00	0.05	0.221	0					2.97
48.083	0.00	0.05	0.221	0					2.96
48.167	0.00	0.05	0.220	0					2.96
48.250	0.00	0.05	0.220	0					2.96
48.333	0.00	0.05	0.220	0					2.95
48.417	0.00	0.05	0.219	0					2.95
48.500	0.00	0.05	0.219	0					2.95
48.583	0.00	0.05	0.219	0					2.94
48.667	0.00	0.05	0.218	0					2.94
48.750	0.00	0.05	0.218	0					2.94
48.833	0.00	0.05	0.218	0					2.93
48.917	0.00	0.05	0.217	0					2.93
49.000	0.00	0.05	0.217	0					2.93
49.083	0.00	0.05	0.217	0					2.92
49.167	0.00	0.05	0.216	0					2.92
49.250	0.00	0.05	0.216	0					2.92
49.333	0.00	0.05	0.216	0					2.91
49.417	0.00	0.05	0.215	0					2.91
49.500	0.00	0.05	0.215	0					2.90
49.583	0.00	0.05	0.215	0					2.90
49.667	0.00	0.05	0.214	0					2.90
49.750	0.00	0.05	0.214	0					2.89
49.833	0.00	0.05	0.214	0					2.89
49.917	0.00	0.05	0.213	0					2.89
50.000	0.00	0.05	0.213	0					2.88
50.083	0.00	0.05	0.213	0					2.88
50.167	0.00	0.05	0.212	0					2.88
50.250	0.00	0.05	0.212	0					2.87
50.333	0.00	0.05	0.212	0					2.87
50.417	0.00	0.05	0.211	0					2.87
50.500	0.00	0.05	0.211	0					2.86
50.583	0.00	0.05	0.211	0					2.86
50.667	0.00	0.05	0.210	0					2.86
50.750	0.00	0.05	0.210	0					2.85
50.833	0.00	0.05	0.210	0					2.85
50.917	0.00	0.05	0.209	0					2.85
51.000	0.00	0.05	0.209	0					2.84
51.083	0.00	0.05	0.209	0					2.84
51.167	0.00	0.05	0.209	0					2.84
51.250	0.00	0.05	0.208	0					2.83
51.333	0.00	0.05	0.208	0					2.83
51.417	0.00	0.05	0.208	0					2.83
51.500	0.00	0.05	0.207	0					2.82
51.583	0.00	0.05	0.207	0					2.82
51.667	0.00	0.05	0.207	0					2.82
51.750	0.00	0.05	0.206	0					2.81
51.833	0.00	0.05	0.206	0					2.81

51.917	0.00	0.05	0.206	0					2.81
52.000	0.00	0.05	0.205	0					2.80
52.083	0.00	0.05	0.205	0					2.80
52.167	0.00	0.05	0.205	0					2.80
52.250	0.00	0.05	0.204	0					2.79
52.333	0.00	0.05	0.204	0					2.79
52.417	0.00	0.05	0.204	0					2.79
52.500	0.00	0.05	0.203	0					2.78
52.583	0.00	0.05	0.203	0					2.78
52.667	0.00	0.05	0.203	0					2.78
52.750	0.00	0.05	0.202	0					2.77
52.833	0.00	0.05	0.202	0					2.77
52.917	0.00	0.05	0.202	0					2.77
53.000	0.00	0.05	0.202	0					2.76
53.083	0.00	0.05	0.201	0					2.76
53.167	0.00	0.05	0.201	0					2.76
53.250	0.00	0.05	0.201	0					2.75
53.333	0.00	0.05	0.200	0					2.75
53.417	0.00	0.05	0.200	0					2.75
53.500	0.00	0.05	0.200	0					2.74
53.583	0.00	0.05	0.199	0					2.74
53.667	0.00	0.05	0.199	0					2.74
53.750	0.00	0.05	0.199	0					2.73
53.833	0.00	0.05	0.198	0					2.73
53.917	0.00	0.05	0.198	0					2.73
54.000	0.00	0.05	0.198	0					2.72
54.083	0.00	0.05	0.197	0					2.72
54.167	0.00	0.05	0.197	0					2.72
54.250	0.00	0.05	0.197	0					2.71
54.333	0.00	0.05	0.196	0					2.71
54.417	0.00	0.05	0.196	0					2.71
54.500	0.00	0.05	0.196	0					2.70
54.583	0.00	0.05	0.196	0					2.70
54.667	0.00	0.05	0.195	0					2.70
54.750	0.00	0.05	0.195	0					2.69
54.833	0.00	0.05	0.195	0					2.69
54.917	0.00	0.05	0.194	0					2.69
55.000	0.00	0.05	0.194	0					2.68
55.083	0.00	0.05	0.194	0					2.68
55.167	0.00	0.05	0.193	0					2.68
55.250	0.00	0.05	0.193	0					2.67
55.333	0.00	0.05	0.193	0					2.67
55.417	0.00	0.05	0.192	0					2.67
55.500	0.00	0.04	0.192	0					2.66
55.583	0.00	0.04	0.192	0					2.66
55.667	0.00	0.04	0.191	0					2.66
55.750	0.00	0.04	0.191	0					2.65
55.833	0.00	0.04	0.191	0					2.65
55.917	0.00	0.04	0.191	0					2.65
56.000	0.00	0.04	0.190	0					2.64

56.083	0.00	0.04	0.190	0					2.64
56.167	0.00	0.04	0.190	0					2.64
56.250	0.00	0.04	0.189	0					2.64
56.333	0.00	0.04	0.189	0					2.63
56.417	0.00	0.04	0.189	0					2.63
56.500	0.00	0.04	0.188	0					2.63
56.583	0.00	0.04	0.188	0					2.62
56.667	0.00	0.04	0.188	0					2.62
56.750	0.00	0.04	0.187	0					2.62
56.833	0.00	0.04	0.187	0					2.61
56.917	0.00	0.04	0.187	0					2.61
57.000	0.00	0.04	0.187	0					2.61
57.083	0.00	0.04	0.186	0					2.60
57.167	0.00	0.04	0.186	0					2.60
57.250	0.00	0.04	0.186	0					2.60
57.333	0.00	0.04	0.185	0					2.59
57.417	0.00	0.04	0.185	0					2.59
57.500	0.00	0.04	0.185	0					2.59
57.583	0.00	0.04	0.184	0					2.58
57.667	0.00	0.04	0.184	0					2.58
57.750	0.00	0.04	0.184	0					2.58
57.833	0.00	0.04	0.184	0					2.57
57.917	0.00	0.04	0.183	0					2.57
58.000	0.00	0.04	0.183	0					2.57
58.083	0.00	0.04	0.183	0					2.56
58.167	0.00	0.04	0.182	0					2.56
58.250	0.00	0.04	0.182	0					2.56
58.333	0.00	0.04	0.182	0					2.55
58.417	0.00	0.04	0.181	0					2.55
58.500	0.00	0.04	0.181	0					2.55
58.583	0.00	0.04	0.181	0					2.55
58.667	0.00	0.04	0.180	0					2.54
58.750	0.00	0.04	0.180	0					2.54
58.833	0.00	0.04	0.180	0					2.54
58.917	0.00	0.04	0.180	0					2.53
59.000	0.00	0.04	0.179	0					2.53
59.083	0.00	0.04	0.179	0					2.53
59.167	0.00	0.04	0.179	0					2.52
59.250	0.00	0.04	0.178	0					2.52
59.333	0.00	0.04	0.178	0					2.52
59.417	0.00	0.04	0.178	0					2.51
59.500	0.00	0.04	0.177	0					2.51
59.583	0.00	0.04	0.177	0					2.51
59.667	0.00	0.04	0.177	0					2.50
59.750	0.00	0.04	0.177	0					2.50
59.833	0.00	0.04	0.176	0					2.50
59.917	0.00	0.04	0.176	0					2.49
60.000	0.00	0.04	0.176	0					2.49
60.083	0.00	0.04	0.175	0					2.49
60.167	0.00	0.04	0.175	0					2.49

60.250	0.00	0.04	0.175	0					2.48
60.333	0.00	0.04	0.174	0					2.48
60.417	0.00	0.04	0.174	0					2.48
60.500	0.00	0.04	0.174	0					2.47
60.583	0.00	0.04	0.174	0					2.47
60.667	0.00	0.04	0.173	0					2.47
60.750	0.00	0.04	0.173	0					2.46
60.833	0.00	0.04	0.173	0					2.46
60.917	0.00	0.04	0.172	0					2.46
61.000	0.00	0.04	0.172	0					2.45
61.083	0.00	0.04	0.172	0					2.45
61.167	0.00	0.04	0.172	0					2.45
61.250	0.00	0.04	0.171	0					2.44
61.333	0.00	0.04	0.171	0					2.44
61.417	0.00	0.04	0.171	0					2.44
61.500	0.00	0.04	0.170	0					2.44
61.583	0.00	0.04	0.170	0					2.43
61.667	0.00	0.04	0.170	0					2.43
61.750	0.00	0.04	0.169	0					2.43
61.833	0.00	0.04	0.169	0					2.42
61.917	0.00	0.04	0.169	0					2.42
62.000	0.00	0.04	0.169	0					2.42
62.083	0.00	0.04	0.168	0					2.41
62.167	0.00	0.04	0.168	0					2.41
62.250	0.00	0.04	0.168	0					2.41
62.333	0.00	0.04	0.167	0					2.40
62.417	0.00	0.04	0.167	0					2.40
62.500	0.00	0.04	0.167	0					2.40
62.583	0.00	0.04	0.167	0					2.39
62.667	0.00	0.04	0.166	0					2.39
62.750	0.00	0.04	0.166	0					2.39
62.833	0.00	0.04	0.166	0					2.39
62.917	0.00	0.04	0.165	0					2.38
63.000	0.00	0.04	0.165	0					2.38
63.083	0.00	0.04	0.165	0					2.38
63.167	0.00	0.04	0.164	0					2.37
63.250	0.00	0.04	0.164	0					2.37
63.333	0.00	0.04	0.164	0					2.37
63.417	0.00	0.04	0.164	0					2.36
63.500	0.00	0.04	0.163	0					2.36
63.583	0.00	0.04	0.163	0					2.36
63.667	0.00	0.04	0.163	0					2.35
63.750	0.00	0.04	0.162	0					2.35
63.833	0.00	0.04	0.162	0					2.35
63.917	0.00	0.04	0.162	0					2.35
64.000	0.00	0.04	0.162	0					2.34
64.083	0.00	0.04	0.161	0					2.34
64.167	0.00	0.04	0.161	0					2.34
64.250	0.00	0.04	0.161	0					2.33
64.333	0.00	0.04	0.160	0					2.33

64.417	0.00	0.04	0.160	0					2.33
64.500	0.00	0.04	0.160	0					2.32
64.583	0.00	0.04	0.160	0					2.32
64.667	0.00	0.04	0.159	0					2.32
64.750	0.00	0.04	0.159	0					2.32
64.833	0.00	0.04	0.159	0					2.31
64.917	0.00	0.04	0.158	0					2.31
65.000	0.00	0.04	0.158	0					2.31
65.083	0.00	0.04	0.158	0					2.30
65.167	0.00	0.04	0.158	0					2.30
65.250	0.00	0.04	0.157	0					2.30
65.333	0.00	0.04	0.157	0					2.29
65.417	0.00	0.04	0.157	0					2.29
65.500	0.00	0.04	0.156	0					2.29
65.583	0.00	0.04	0.156	0					2.29
65.667	0.00	0.04	0.156	0					2.28
65.750	0.00	0.04	0.156	0					2.28
65.833	0.00	0.04	0.155	0					2.28
65.917	0.00	0.04	0.155	0					2.27
66.000	0.00	0.04	0.155	0					2.27
66.083	0.00	0.04	0.154	0					2.27
66.167	0.00	0.04	0.154	0					2.26
66.250	0.00	0.04	0.154	0					2.26
66.333	0.00	0.04	0.154	0					2.26
66.417	0.00	0.04	0.153	0					2.25
66.500	0.00	0.04	0.153	0					2.25
66.583	0.00	0.04	0.153	0					2.25
66.667	0.00	0.04	0.152	0					2.25
66.750	0.00	0.04	0.152	0					2.24
66.833	0.00	0.04	0.152	0					2.24
66.917	0.00	0.04	0.152	0					2.24
67.000	0.00	0.04	0.151	0					2.23
67.083	0.00	0.04	0.151	0					2.23
67.167	0.00	0.04	0.151	0					2.23
67.250	0.00	0.04	0.150	0					2.23
67.333	0.00	0.04	0.150	0					2.22
67.417	0.00	0.04	0.150	0					2.22
67.500	0.00	0.04	0.150	0					2.22
67.583	0.00	0.04	0.149	0					2.21
67.667	0.00	0.04	0.149	0					2.21
67.750	0.00	0.04	0.149	0					2.21
67.833	0.00	0.04	0.148	0					2.20
67.917	0.00	0.04	0.148	0					2.20
68.000	0.00	0.04	0.148	0					2.20
68.083	0.00	0.04	0.148	0					2.20
68.167	0.00	0.04	0.147	0					2.19
68.250	0.00	0.04	0.147	0					2.19
68.333	0.00	0.04	0.147	0					2.19
68.417	0.00	0.04	0.146	0					2.18
68.500	0.00	0.04	0.146	0					2.18

68.583	0.00	0.04	0.146	0					2.18
68.667	0.00	0.04	0.146	0					2.17
68.750	0.00	0.04	0.145	0					2.17
68.833	0.00	0.04	0.145	0					2.17
68.917	0.00	0.04	0.145	0					2.17
69.000	0.00	0.04	0.144	0					2.16
69.083	0.00	0.04	0.144	0					2.16
69.167	0.00	0.04	0.144	0					2.16
69.250	0.00	0.04	0.144	0					2.15
69.333	0.00	0.04	0.143	0					2.15
69.417	0.00	0.04	0.143	0					2.15
69.500	0.00	0.04	0.143	0					2.15
69.583	0.00	0.04	0.143	0					2.14
69.667	0.00	0.04	0.142	0					2.14
69.750	0.00	0.04	0.142	0					2.14
69.833	0.00	0.04	0.142	0					2.13
69.917	0.00	0.04	0.141	0					2.13
70.000	0.00	0.04	0.141	0					2.13
70.083	0.00	0.04	0.141	0					2.13
70.167	0.00	0.04	0.141	0					2.12
70.250	0.00	0.04	0.140	0					2.12
70.333	0.00	0.04	0.140	0					2.12
70.417	0.00	0.04	0.140	0					2.11
70.500	0.00	0.04	0.140	0					2.11
70.583	0.00	0.04	0.139	0					2.11
70.667	0.00	0.04	0.139	0					2.10
70.750	0.00	0.04	0.139	0					2.10
70.833	0.00	0.04	0.138	0					2.10
70.917	0.00	0.04	0.138	0					2.10
71.000	0.00	0.04	0.138	0					2.09
71.083	0.00	0.04	0.138	0					2.09
71.167	0.00	0.04	0.137	0					2.09
71.250	0.00	0.04	0.137	0					2.08
71.333	0.00	0.04	0.137	0					2.08
71.417	0.00	0.04	0.136	0					2.08
71.500	0.00	0.04	0.136	0					2.08
71.583	0.00	0.04	0.136	0					2.07
71.667	0.00	0.04	0.136	0					2.07
71.750	0.00	0.04	0.135	0					2.07
71.833	0.00	0.04	0.135	0					2.06
71.917	0.00	0.04	0.135	0					2.06
72.000	0.00	0.04	0.135	0					2.06
72.083	0.00	0.04	0.134	0					2.06
72.167	0.00	0.04	0.134	0					2.05
72.250	0.00	0.04	0.134	0					2.05
72.333	0.00	0.04	0.133	0					2.05
72.417	0.00	0.04	0.133	0					2.04
72.500	0.00	0.04	0.133	0					2.04
72.583	0.00	0.04	0.133	0					2.04
72.667	0.00	0.04	0.132	0					2.04

72.750	0.00	0.04	0.132	0					2.03
72.833	0.00	0.04	0.132	0					2.03
72.917	0.00	0.04	0.132	0					2.03
73.000	0.00	0.04	0.131	0					2.02
73.083	0.00	0.04	0.131	0					2.02
73.167	0.00	0.04	0.131	0					2.02
73.250	0.00	0.04	0.131	0					2.02
73.333	0.00	0.04	0.130	0					2.01
73.417	0.00	0.04	0.130	0					2.01
73.500	0.00	0.04	0.130	0					2.01
73.583	0.00	0.04	0.129	0					2.00
73.667	0.00	0.04	0.129	0					2.00
73.750	0.00	0.04	0.129	0					2.00
73.833	0.00	0.04	0.129	0					2.00
73.917	0.00	0.04	0.128	0					1.99
74.000	0.00	0.04	0.128	0					1.99
74.083	0.00	0.04	0.128	0					1.99
74.167	0.00	0.04	0.128	0					1.98
74.250	0.00	0.04	0.127	0					1.98
74.333	0.00	0.04	0.127	0					1.98
74.417	0.00	0.04	0.127	0					1.97
74.500	0.00	0.04	0.126	0					1.97
74.583	0.00	0.04	0.126	0					1.97
74.667	0.00	0.04	0.126	0					1.96
74.750	0.00	0.04	0.126	0					1.96
74.833	0.00	0.04	0.125	0					1.96
74.917	0.00	0.04	0.125	0					1.95
75.000	0.00	0.04	0.125	0					1.95
75.083	0.00	0.04	0.125	0					1.95
75.167	0.00	0.04	0.124	0					1.94
75.250	0.00	0.04	0.124	0					1.94
75.333	0.00	0.04	0.124	0					1.94
75.417	0.00	0.04	0.124	0					1.93
75.500	0.00	0.04	0.123	0					1.93
75.583	0.00	0.04	0.123	0					1.93
75.667	0.00	0.04	0.123	0					1.92
75.750	0.00	0.04	0.123	0					1.92
75.833	0.00	0.04	0.122	0					1.92
75.917	0.00	0.04	0.122	0					1.91
76.000	0.00	0.04	0.122	0					1.91
76.083	0.00	0.04	0.121	0					1.91
76.167	0.00	0.04	0.121	0					1.90
76.250	0.00	0.04	0.121	0					1.90
76.333	0.00	0.04	0.121	0					1.90
76.417	0.00	0.04	0.120	0					1.89
76.500	0.00	0.04	0.120	0					1.89
76.583	0.00	0.04	0.120	0					1.89
76.667	0.00	0.04	0.120	0					1.88
76.750	0.00	0.04	0.119	0					1.88
76.833	0.00	0.04	0.119	0					1.88

76.917	0.00	0.04	0.119	0					1.87
77.000	0.00	0.04	0.119	0					1.87
77.083	0.00	0.04	0.118	0					1.87
77.167	0.00	0.04	0.118	0					1.86
77.250	0.00	0.04	0.118	0					1.86
77.333	0.00	0.04	0.118	0					1.86
77.417	0.00	0.04	0.117	0					1.85
77.500	0.00	0.04	0.117	0					1.85
77.583	0.00	0.04	0.117	0					1.85
77.667	0.00	0.04	0.117	0					1.84
77.750	0.00	0.04	0.116	0					1.84
77.833	0.00	0.04	0.116	0					1.84
77.917	0.00	0.04	0.116	0					1.83
78.000	0.00	0.04	0.116	0					1.83
78.083	0.00	0.04	0.115	0					1.83
78.167	0.00	0.04	0.115	0					1.83
78.250	0.00	0.04	0.115	0					1.82
78.333	0.00	0.04	0.115	0					1.82
78.417	0.00	0.04	0.114	0					1.82
78.500	0.00	0.04	0.114	0					1.81
78.583	0.00	0.04	0.114	0					1.81
78.667	0.00	0.04	0.113	0					1.81
78.750	0.00	0.04	0.113	0					1.80
78.833	0.00	0.04	0.113	0					1.80
78.917	0.00	0.04	0.113	0					1.80
79.000	0.00	0.04	0.112	0					1.79
79.083	0.00	0.04	0.112	0					1.79
79.167	0.00	0.04	0.112	0					1.79
79.250	0.00	0.04	0.112	0					1.78
79.333	0.00	0.04	0.111	0					1.78
79.417	0.00	0.04	0.111	0					1.78
79.500	0.00	0.04	0.111	0					1.77
79.583	0.00	0.04	0.111	0					1.77
79.667	0.00	0.04	0.110	0					1.77
79.750	0.00	0.04	0.110	0					1.77
79.833	0.00	0.04	0.110	0					1.76
79.917	0.00	0.04	0.110	0					1.76
80.000	0.00	0.04	0.109	0					1.76
80.083	0.00	0.04	0.109	0					1.75
80.167	0.00	0.04	0.109	0					1.75
80.250	0.00	0.04	0.109	0					1.75
80.333	0.00	0.04	0.108	0					1.74
80.417	0.00	0.04	0.108	0					1.74
80.500	0.00	0.04	0.108	0					1.74
80.583	0.00	0.04	0.108	0					1.73
80.667	0.00	0.04	0.107	0					1.73
80.750	0.00	0.04	0.107	0					1.73
80.833	0.00	0.04	0.107	0					1.72
80.917	0.00	0.04	0.107	0					1.72
81.000	0.00	0.04	0.106	0					1.72

81.083	0.00	0.04	0.106	0					1.72
81.167	0.00	0.04	0.106	0					1.71
81.250	0.00	0.04	0.106	0					1.71
81.333	0.00	0.04	0.105	0					1.71
81.417	0.00	0.04	0.105	0					1.70
81.500	0.00	0.04	0.105	0					1.70
81.583	0.00	0.04	0.105	0					1.70
81.667	0.00	0.04	0.105	0					1.69
81.750	0.00	0.04	0.104	0					1.69
81.833	0.00	0.04	0.104	0					1.69
81.917	0.00	0.04	0.104	0					1.68
82.000	0.00	0.04	0.104	0					1.68
82.083	0.00	0.04	0.103	0					1.68
82.167	0.00	0.04	0.103	0					1.68
82.250	0.00	0.04	0.103	0					1.67
82.333	0.00	0.04	0.103	0					1.67
82.417	0.00	0.04	0.102	0					1.67
82.500	0.00	0.04	0.102	0					1.66
82.583	0.00	0.04	0.102	0					1.66
82.667	0.00	0.04	0.102	0					1.66
82.750	0.00	0.04	0.101	0					1.65
82.833	0.00	0.04	0.101	0					1.65
82.917	0.00	0.04	0.101	0					1.65
83.000	0.00	0.04	0.101	0					1.65
83.083	0.00	0.04	0.100	0					1.64
83.167	0.00	0.04	0.100	0					1.64
83.250	0.00	0.03	0.100	0					1.64
83.333	0.00	0.03	0.100	0					1.63
83.417	0.00	0.03	0.099	0					1.63
83.500	0.00	0.03	0.099	0					1.63
83.583	0.00	0.03	0.099	0					1.62
83.667	0.00	0.03	0.099	0					1.62
83.750	0.00	0.03	0.098	0					1.62
83.833	0.00	0.03	0.098	0					1.62
83.917	0.00	0.03	0.098	0					1.61
84.000	0.00	0.03	0.098	0					1.61
84.083	0.00	0.03	0.097	0					1.61
84.167	0.00	0.03	0.097	0					1.60
84.250	0.00	0.03	0.097	0					1.60
84.333	0.00	0.03	0.097	0					1.60
84.417	0.00	0.03	0.097	0					1.59
84.500	0.00	0.03	0.096	0					1.59
84.583	0.00	0.03	0.096	0					1.59
84.667	0.00	0.03	0.096	0					1.59
84.750	0.00	0.03	0.096	0					1.58
84.833	0.00	0.03	0.095	0					1.58
84.917	0.00	0.03	0.095	0					1.58
85.000	0.00	0.03	0.095	0					1.57
85.083	0.00	0.03	0.095	0					1.57
85.167	0.00	0.03	0.094	0					1.57

85.250	0.00	0.03	0.094	0					1.56
85.333	0.00	0.03	0.094	0					1.56
85.417	0.00	0.03	0.094	0					1.56
85.500	0.00	0.03	0.093	0					1.56
85.583	0.00	0.03	0.093	0					1.55
85.667	0.00	0.03	0.093	0					1.55
85.750	0.00	0.03	0.093	0					1.55
85.833	0.00	0.03	0.093	0					1.54
85.917	0.00	0.03	0.092	0					1.54
86.000	0.00	0.03	0.092	0					1.54
86.083	0.00	0.03	0.092	0					1.54
86.167	0.00	0.03	0.092	0					1.53
86.250	0.00	0.03	0.091	0					1.53
86.333	0.00	0.03	0.091	0					1.53
86.417	0.00	0.03	0.091	0					1.52
86.500	0.00	0.03	0.091	0					1.52
86.583	0.00	0.03	0.090	0					1.52
86.667	0.00	0.03	0.090	0					1.51
86.750	0.00	0.03	0.090	0					1.51
86.833	0.00	0.03	0.090	0					1.51
86.917	0.00	0.03	0.089	0					1.51
87.000	0.00	0.03	0.089	0					1.50
87.083	0.00	0.03	0.089	0					1.50
87.167	0.00	0.03	0.089	0					1.50
87.250	0.00	0.03	0.089	0					1.49
87.333	0.00	0.03	0.088	0					1.49
87.417	0.00	0.03	0.088	0					1.49
87.500	0.00	0.03	0.088	0					1.49
87.583	0.00	0.03	0.088	0					1.48
87.667	0.00	0.03	0.087	0					1.48
87.750	0.00	0.03	0.087	0					1.48
87.833	0.00	0.03	0.087	0					1.47
87.917	0.00	0.03	0.087	0					1.47
88.000	0.00	0.03	0.087	0					1.47
88.083	0.00	0.03	0.086	0					1.47
88.167	0.00	0.03	0.086	0					1.46
88.250	0.00	0.03	0.086	0					1.46
88.333	0.00	0.03	0.086	0					1.46
88.417	0.00	0.03	0.085	0					1.45
88.500	0.00	0.03	0.085	0					1.45
88.583	0.00	0.03	0.085	0					1.45
88.667	0.00	0.03	0.085	0					1.45
88.750	0.00	0.03	0.084	0					1.44
88.833	0.00	0.03	0.084	0					1.44
88.917	0.00	0.03	0.084	0					1.44
89.000	0.00	0.03	0.084	0					1.43
89.083	0.00	0.03	0.084	0					1.43
89.167	0.00	0.03	0.083	0					1.43
89.250	0.00	0.03	0.083	0					1.43
89.333	0.00	0.03	0.083	0					1.42

89.417	0.00	0.03	0.083	0					1.42
89.500	0.00	0.03	0.082	0					1.42
89.583	0.00	0.03	0.082	0					1.42
89.667	0.00	0.03	0.082	0					1.41
89.750	0.00	0.03	0.082	0					1.41
89.833	0.00	0.03	0.082	0					1.41
89.917	0.00	0.03	0.081	0					1.40
90.000	0.00	0.03	0.081	0					1.40
90.083	0.00	0.03	0.081	0					1.40
90.167	0.00	0.03	0.081	0					1.40
90.250	0.00	0.03	0.080	0					1.39
90.333	0.00	0.03	0.080	0					1.39
90.417	0.00	0.03	0.080	0					1.39
90.500	0.00	0.03	0.080	0					1.38
90.583	0.00	0.03	0.080	0					1.38
90.667	0.00	0.03	0.079	0					1.38
90.750	0.00	0.03	0.079	0					1.38
90.833	0.00	0.03	0.079	0					1.37
90.917	0.00	0.03	0.079	0					1.37
91.000	0.00	0.03	0.078	0					1.37
91.083	0.00	0.03	0.078	0					1.37
91.167	0.00	0.03	0.078	0					1.36
91.250	0.00	0.03	0.078	0					1.36
91.333	0.00	0.03	0.078	0					1.36
91.417	0.00	0.03	0.077	0					1.35
91.500	0.00	0.03	0.077	0					1.35
91.583	0.00	0.03	0.077	0					1.35
91.667	0.00	0.03	0.077	0					1.35
91.750	0.00	0.03	0.076	0					1.34
91.833	0.00	0.03	0.076	0					1.34
91.917	0.00	0.03	0.076	0					1.34
92.000	0.00	0.03	0.076	0					1.33
92.083	0.00	0.03	0.076	0					1.33
92.167	0.00	0.03	0.075	0					1.33
92.250	0.00	0.03	0.075	0					1.33
92.333	0.00	0.03	0.075	0					1.32
92.417	0.00	0.03	0.075	0					1.32
92.500	0.00	0.03	0.074	0					1.32
92.583	0.00	0.03	0.074	0					1.32
92.667	0.00	0.03	0.074	0					1.31
92.750	0.00	0.03	0.074	0					1.31
92.833	0.00	0.03	0.074	0					1.31
92.917	0.00	0.03	0.073	0					1.31
93.000	0.00	0.03	0.073	0					1.30
93.083	0.00	0.03	0.073	0					1.30
93.167	0.00	0.03	0.073	0					1.30
93.250	0.00	0.03	0.073	0					1.29
93.333	0.00	0.03	0.072	0					1.29
93.417	0.00	0.03	0.072	0					1.29
93.500	0.00	0.03	0.072	0					1.29

93.583	0.00	0.03	0.072	0					1.28
93.667	0.00	0.03	0.071	0					1.28
93.750	0.00	0.03	0.071	0					1.28
93.833	0.00	0.03	0.071	0					1.28
93.917	0.00	0.03	0.071	0					1.27
94.000	0.00	0.03	0.071	0					1.27
94.083	0.00	0.03	0.070	0					1.27
94.167	0.00	0.03	0.070	0					1.26
94.250	0.00	0.03	0.070	0					1.26
94.333	0.00	0.03	0.070	0					1.26
94.417	0.00	0.03	0.070	0					1.26
94.500	0.00	0.03	0.069	0					1.25
94.583	0.00	0.03	0.069	0					1.25
94.667	0.00	0.03	0.069	0					1.25
94.750	0.00	0.03	0.069	0					1.25
94.833	0.00	0.03	0.068	0					1.24
94.917	0.00	0.03	0.068	0					1.24
95.000	0.00	0.03	0.068	0					1.24
95.083	0.00	0.03	0.068	0					1.24
95.167	0.00	0.03	0.068	0					1.23
95.250	0.00	0.03	0.067	0					1.23
95.333	0.00	0.03	0.067	0					1.23
95.417	0.00	0.03	0.067	0					1.23
95.500	0.00	0.03	0.067	0					1.22
95.583	0.00	0.03	0.067	0					1.22
95.667	0.00	0.03	0.066	0					1.22
95.750	0.00	0.03	0.066	0					1.21
95.833	0.00	0.03	0.066	0					1.21
95.917	0.00	0.03	0.066	0					1.21
96.000	0.00	0.03	0.066	0					1.21
96.083	0.00	0.03	0.065	0					1.20
96.167	0.00	0.03	0.065	0					1.20
96.250	0.00	0.03	0.065	0					1.20
96.333	0.00	0.03	0.065	0					1.20
96.417	0.00	0.03	0.065	0					1.19
96.500	0.00	0.03	0.064	0					1.19
96.583	0.00	0.03	0.064	0					1.19
96.667	0.00	0.03	0.064	0					1.19
96.750	0.00	0.03	0.064	0					1.18
96.833	0.00	0.03	0.063	0					1.18
96.917	0.00	0.03	0.063	0					1.18
97.000	0.00	0.03	0.063	0					1.18
97.083	0.00	0.03	0.063	0					1.17
97.167	0.00	0.03	0.063	0					1.17
97.250	0.00	0.03	0.062	0					1.17
97.333	0.00	0.03	0.062	0					1.17
97.417	0.00	0.03	0.062	0					1.16
97.500	0.00	0.03	0.062	0					1.16
97.583	0.00	0.03	0.062	0					1.16
97.667	0.00	0.03	0.061	0					1.16

97.750	0.00	0.03	0.061	0					1.15
97.833	0.00	0.03	0.061	0					1.15
97.917	0.00	0.03	0.061	0					1.15
98.000	0.00	0.03	0.061	0					1.15
98.083	0.00	0.03	0.060	0					1.14
98.167	0.00	0.03	0.060	0					1.14
98.250	0.00	0.03	0.060	0					1.14
98.333	0.00	0.03	0.060	0					1.13
98.417	0.00	0.03	0.060	0					1.13
98.500	0.00	0.03	0.059	0					1.13
98.583	0.00	0.03	0.059	0					1.13
98.667	0.00	0.03	0.059	0					1.12
98.750	0.00	0.03	0.059	0					1.12
98.833	0.00	0.03	0.059	0					1.12
98.917	0.00	0.03	0.058	0					1.12
99.000	0.00	0.03	0.058	0					1.11
99.083	0.00	0.03	0.058	0					1.11
99.167	0.00	0.03	0.058	0					1.11
99.250	0.00	0.03	0.058	0					1.11
99.333	0.00	0.03	0.057	0					1.10
99.417	0.00	0.03	0.057	0					1.10
99.500	0.00	0.03	0.057	0					1.10
99.583	0.00	0.03	0.057	0					1.10
99.667	0.00	0.03	0.057	0					1.09
99.750	0.00	0.03	0.056	0					1.09
99.833	0.00	0.03	0.056	0					1.09
99.917	0.00	0.03	0.056	0					1.09
100.000	0.00	0.03	0.056	0					1.08
100.083	0.00	0.03	0.056	0					1.08
100.167	0.00	0.03	0.055	0					1.08
100.250	0.00	0.03	0.055	0					1.08
100.333	0.00	0.03	0.055	0					1.07
100.417	0.00	0.03	0.055	0					1.07
100.500	0.00	0.03	0.055	0					1.07
100.583	0.00	0.03	0.054	0					1.07
100.667	0.00	0.03	0.054	0					1.06
100.750	0.00	0.03	0.054	0					1.06
100.833	0.00	0.03	0.054	0					1.06
100.917	0.00	0.03	0.054	0					1.06
101.000	0.00	0.03	0.053	0					1.05
101.083	0.00	0.03	0.053	0					1.05
101.167	0.00	0.03	0.053	0					1.05
101.250	0.00	0.03	0.053	0					1.05
101.333	0.00	0.03	0.053	0					1.05
101.417	0.00	0.03	0.052	0					1.04
101.500	0.00	0.03	0.052	0					1.04
101.583	0.00	0.03	0.052	0					1.04
101.667	0.00	0.03	0.052	0					1.04
101.750	0.00	0.03	0.052	0					1.03
101.833	0.00	0.03	0.051	0					1.03

101.917	0.00	0.03	0.051	0					1.03
102.000	0.00	0.03	0.051	0					1.03
102.083	0.00	0.03	0.051	0					1.02
102.167	0.00	0.03	0.051	0					1.02
102.250	0.00	0.03	0.050	0					1.02
102.333	0.00	0.03	0.050	0					1.02
102.417	0.00	0.03	0.050	0					1.01
102.500	0.00	0.03	0.050	0					1.01
102.583	0.00	0.03	0.050	0					1.01
102.667	0.00	0.03	0.049	0					1.01
102.750	0.00	0.03	0.049	0					1.00
102.833	0.00	0.03	0.049	0					1.00
102.917	0.00	0.03	0.049	0					1.00
103.000	0.00	0.03	0.049	0					0.99
103.083	0.00	0.03	0.049	0					0.99
103.167	0.00	0.03	0.048	0					0.99
103.250	0.00	0.03	0.048	0					0.98
103.333	0.00	0.03	0.048	0					0.98
103.417	0.00	0.03	0.048	0					0.98
103.500	0.00	0.03	0.048	0					0.97
103.583	0.00	0.03	0.047	0					0.97
103.667	0.00	0.03	0.047	0					0.97
103.750	0.00	0.03	0.047	0					0.96
103.833	0.00	0.03	0.047	0					0.96
103.917	0.00	0.03	0.047	0					0.95
104.000	0.00	0.03	0.046	0					0.95
104.083	0.00	0.03	0.046	0					0.95
104.167	0.00	0.03	0.046	0					0.94
104.250	0.00	0.03	0.046	0					0.94
104.333	0.00	0.03	0.046	0					0.94
104.417	0.00	0.03	0.046	0					0.93
104.500	0.00	0.03	0.045	0					0.93
104.583	0.00	0.03	0.045	0					0.93
104.667	0.00	0.03	0.045	0					0.92
104.750	0.00	0.03	0.045	0					0.92
104.833	0.00	0.03	0.045	0					0.92
104.917	0.00	0.03	0.044	0					0.91
105.000	0.00	0.03	0.044	0					0.91
105.083	0.00	0.03	0.044	0					0.91
105.167	0.00	0.03	0.044	0					0.90
105.250	0.00	0.03	0.044	0					0.90
105.333	0.00	0.03	0.044	0					0.90
105.417	0.00	0.03	0.043	0					0.89
105.500	0.00	0.03	0.043	0					0.89
105.583	0.00	0.03	0.043	0					0.89
105.667	0.00	0.03	0.043	0					0.88
105.750	0.00	0.03	0.043	0					0.88
105.833	0.00	0.02	0.043	0					0.88
105.917	0.00	0.02	0.042	0					0.87
106.000	0.00	0.02	0.042	0					0.87

106.083	0.00	0.02	0.042	0					0.87
106.167	0.00	0.02	0.042	0					0.86
106.250	0.00	0.02	0.042	0					0.86
106.333	0.00	0.02	0.042	0					0.86
106.417	0.00	0.02	0.041	0					0.85
106.500	0.00	0.02	0.041	0					0.85
106.583	0.00	0.02	0.041	0					0.85
106.667	0.00	0.02	0.041	0					0.84
106.750	0.00	0.02	0.041	0					0.84
106.833	0.00	0.02	0.041	0					0.84
106.917	0.00	0.02	0.040	0					0.83
107.000	0.00	0.02	0.040	0					0.83
107.083	0.00	0.02	0.040	0					0.83
107.167	0.00	0.02	0.040	0					0.82
107.250	0.00	0.02	0.040	0					0.82
107.333	0.00	0.02	0.040	0					0.82
107.417	0.00	0.02	0.039	0					0.82
107.500	0.00	0.02	0.039	0					0.81
107.583	0.00	0.02	0.039	0					0.81
107.667	0.00	0.02	0.039	0					0.81
107.750	0.00	0.02	0.039	0					0.80
107.833	0.00	0.02	0.039	0					0.80
107.917	0.00	0.02	0.038	0					0.80
108.000	0.00	0.02	0.038	0					0.79
108.083	0.00	0.02	0.038	0					0.79
108.167	0.00	0.02	0.038	0					0.79
108.250	0.00	0.02	0.038	0					0.79
108.333	0.00	0.02	0.038	0					0.78
108.417	0.00	0.02	0.037	0					0.78
108.500	0.00	0.02	0.037	0					0.78
108.583	0.00	0.02	0.037	0					0.77
108.667	0.00	0.02	0.037	0					0.77
108.750	0.00	0.02	0.037	0					0.77
108.833	0.00	0.02	0.037	0					0.76
108.917	0.00	0.02	0.037	0					0.76
109.000	0.00	0.02	0.036	0					0.76
109.083	0.00	0.02	0.036	0					0.76
109.167	0.00	0.02	0.036	0					0.75
109.250	0.00	0.02	0.036	0					0.75
109.333	0.00	0.02	0.036	0					0.75
109.417	0.00	0.02	0.036	0					0.74
109.500	0.00	0.02	0.035	0					0.74
109.583	0.00	0.02	0.035	0					0.74
109.667	0.00	0.02	0.035	0					0.74
109.750	0.00	0.02	0.035	0					0.73
109.833	0.00	0.02	0.035	0					0.73
109.917	0.00	0.02	0.035	0					0.73
110.000	0.00	0.02	0.035	0					0.72
110.083	0.00	0.02	0.034	0					0.72
110.167	0.00	0.02	0.034	0					0.72

110.250	0.00	0.02	0.034	0					0.72
110.333	0.00	0.02	0.034	0					0.71
110.417	0.00	0.02	0.034	0					0.71
110.500	0.00	0.02	0.034	0					0.71
110.583	0.00	0.02	0.034	0					0.70
110.667	0.00	0.02	0.033	0					0.70
110.750	0.00	0.02	0.033	0					0.70
110.833	0.00	0.02	0.033	0					0.70
110.917	0.00	0.02	0.033	0					0.69
111.000	0.00	0.02	0.033	0					0.69
111.083	0.00	0.02	0.033	0					0.69
111.167	0.00	0.02	0.033	0					0.69
111.250	0.00	0.02	0.032	0					0.68
111.333	0.00	0.02	0.032	0					0.68
111.417	0.00	0.02	0.032	0					0.68
111.500	0.00	0.02	0.032	0					0.68
111.583	0.00	0.02	0.032	0					0.67
111.667	0.00	0.02	0.032	0					0.67
111.750	0.00	0.02	0.032	0					0.67
111.833	0.00	0.02	0.031	0					0.66
111.917	0.00	0.02	0.031	0					0.66
112.000	0.00	0.02	0.031	0					0.66
112.083	0.00	0.02	0.031	0					0.66
112.167	0.00	0.02	0.031	0					0.65
112.250	0.00	0.02	0.031	0					0.65
112.333	0.00	0.02	0.031	0					0.65
112.417	0.00	0.02	0.031	0					0.65
112.500	0.00	0.02	0.030	0					0.64
112.583	0.00	0.02	0.030	0					0.64
112.667	0.00	0.02	0.030	0					0.64
112.750	0.00	0.02	0.030	0					0.64
112.833	0.00	0.02	0.030	0					0.63
112.917	0.00	0.02	0.030	0					0.63
113.000	0.00	0.02	0.030	0					0.63
113.083	0.00	0.02	0.029	0					0.63
113.167	0.00	0.02	0.029	0					0.62
113.250	0.00	0.02	0.029	0					0.62
113.333	0.00	0.02	0.029	0					0.62
113.417	0.00	0.02	0.029	0					0.62
113.500	0.00	0.02	0.029	0					0.61
113.583	0.00	0.02	0.029	0					0.61
113.667	0.00	0.02	0.029	0					0.61
113.750	0.00	0.02	0.028	0					0.61
113.833	0.00	0.02	0.028	0					0.60
113.917	0.00	0.02	0.028	0					0.60
114.000	0.00	0.02	0.028	0					0.60
114.083	0.00	0.02	0.028	0					0.60
114.167	0.00	0.02	0.028	0					0.59
114.250	0.00	0.02	0.028	0					0.59
114.333	0.00	0.02	0.028	0					0.59

114.417	0.00	0.02	0.027	0					0.59
114.500	0.00	0.02	0.027	0					0.59
114.583	0.00	0.02	0.027	0					0.58
114.667	0.00	0.02	0.027	0					0.58
114.750	0.00	0.02	0.027	0					0.58
114.833	0.00	0.02	0.027	0					0.58
114.917	0.00	0.02	0.027	0					0.57
115.000	0.00	0.02	0.027	0					0.57
115.083	0.00	0.02	0.026	0					0.57
115.167	0.00	0.02	0.026	0					0.57
115.250	0.00	0.02	0.026	0					0.56
115.333	0.00	0.02	0.026	0					0.56
115.417	0.00	0.02	0.026	0					0.56
115.500	0.00	0.02	0.026	0					0.56
115.583	0.00	0.02	0.026	0					0.56
115.667	0.00	0.02	0.026	0					0.55
115.750	0.00	0.02	0.026	0					0.55
115.833	0.00	0.02	0.025	0					0.55
115.917	0.00	0.02	0.025	0					0.55
116.000	0.00	0.02	0.025	0					0.54
116.083	0.00	0.02	0.025	0					0.54
116.167	0.00	0.02	0.025	0					0.54
116.250	0.00	0.02	0.025	0					0.54
116.333	0.00	0.02	0.025	0					0.54
116.417	0.00	0.02	0.025	0					0.53
116.500	0.00	0.02	0.024	0					0.53
116.583	0.00	0.02	0.024	0					0.53
116.667	0.00	0.02	0.024	0					0.53
116.750	0.00	0.02	0.024	0					0.52
116.833	0.00	0.02	0.024	0					0.52
116.917	0.00	0.02	0.024	0					0.52
117.000	0.00	0.02	0.024	0					0.52
117.083	0.00	0.02	0.024	0					0.52
117.167	0.00	0.02	0.024	0					0.51
117.250	0.00	0.02	0.023	0					0.51
117.333	0.00	0.02	0.023	0					0.51
117.417	0.00	0.02	0.023	0					0.51
117.500	0.00	0.02	0.023	0					0.51
117.583	0.00	0.02	0.023	0					0.50
117.667	0.00	0.02	0.023	0					0.50
117.750	0.00	0.02	0.023	0					0.50
117.833	0.00	0.02	0.023	0					0.50
117.917	0.00	0.02	0.023	0					0.49
118.000	0.00	0.02	0.023	0					0.49
118.083	0.00	0.02	0.022	0					0.49
118.167	0.00	0.02	0.022	0					0.49
118.250	0.00	0.02	0.022	0					0.49
118.333	0.00	0.02	0.022	0					0.48
118.417	0.00	0.02	0.022	0					0.48
118.500	0.00	0.02	0.022	0					0.48

118.583	0.00	0.02	0.022	0					0.48
118.667	0.00	0.02	0.022	0					0.48
118.750	0.00	0.02	0.022	0					0.47
118.833	0.00	0.02	0.021	0					0.47
118.917	0.00	0.02	0.021	0					0.47
119.000	0.00	0.02	0.021	0					0.47
119.083	0.00	0.01	0.021	0					0.47
119.167	0.00	0.01	0.021	0					0.46
119.250	0.00	0.01	0.021	0					0.46
119.333	0.00	0.01	0.021	0					0.46
119.417	0.00	0.01	0.021	0					0.46
119.500	0.00	0.01	0.021	0					0.46
119.583	0.00	0.01	0.021	0					0.45
119.667	0.00	0.01	0.020	0					0.45
119.750	0.00	0.01	0.020	0					0.45
119.833	0.00	0.01	0.020	0					0.45
119.917	0.00	0.01	0.020	0					0.45
120.000	0.00	0.01	0.020	0					0.45
120.083	0.00	0.01	0.020	0					0.44
120.167	0.00	0.01	0.020	0					0.44
120.250	0.00	0.01	0.020	0					0.44
120.333	0.00	0.01	0.020	0					0.44
120.417	0.00	0.01	0.020	0					0.44
120.500	0.00	0.01	0.019	0					0.43
120.583	0.00	0.01	0.019	0					0.43
120.667	0.00	0.01	0.019	0					0.43
120.750	0.00	0.01	0.019	0					0.43
120.833	0.00	0.01	0.019	0					0.43
120.917	0.00	0.01	0.019	0					0.42
121.000	0.00	0.01	0.019	0					0.42
121.083	0.00	0.01	0.019	0					0.42
121.167	0.00	0.01	0.019	0					0.42
121.250	0.00	0.01	0.019	0					0.42
121.333	0.00	0.01	0.018	0					0.42
121.417	0.00	0.01	0.018	0					0.41
121.500	0.00	0.01	0.018	0					0.41
121.583	0.00	0.01	0.018	0					0.41
121.667	0.00	0.01	0.018	0					0.41
121.750	0.00	0.01	0.018	0					0.41
121.833	0.00	0.01	0.018	0					0.40
121.917	0.00	0.01	0.018	0					0.40
122.000	0.00	0.01	0.018	0					0.40
122.083	0.00	0.01	0.018	0					0.40
122.167	0.00	0.01	0.018	0					0.40
122.250	0.00	0.01	0.017	0					0.40
122.333	0.00	0.01	0.017	0					0.39
122.417	0.00	0.01	0.017	0					0.39
122.500	0.00	0.01	0.017	0					0.39
122.583	0.00	0.01	0.017	0					0.39
122.667	0.00	0.01	0.017	0					0.39

122.750	0.00	0.01	0.017	0					0.39
122.833	0.00	0.01	0.017	0					0.38
122.917	0.00	0.01	0.017	0					0.38
123.000	0.00	0.01	0.017	0					0.38
123.083	0.00	0.01	0.017	0					0.38
123.167	0.00	0.01	0.016	0					0.38
123.250	0.00	0.01	0.016	0					0.38
123.333	0.00	0.01	0.016	0					0.37
123.417	0.00	0.01	0.016	0					0.37
123.500	0.00	0.01	0.016	0					0.37
123.583	0.00	0.01	0.016	0					0.37
123.667	0.00	0.01	0.016	0					0.37
123.750	0.00	0.01	0.016	0					0.37
123.833	0.00	0.01	0.016	0					0.36
123.917	0.00	0.01	0.016	0					0.36
124.000	0.00	0.01	0.016	0					0.36
124.083	0.00	0.01	0.016	0					0.36
124.167	0.00	0.01	0.015	0					0.36
124.250	0.00	0.01	0.015	0					0.36
124.333	0.00	0.01	0.015	0					0.35
124.417	0.00	0.01	0.015	0					0.35
124.500	0.00	0.01	0.015	0					0.35
124.583	0.00	0.01	0.015	0					0.35
124.667	0.00	0.01	0.015	0					0.35
124.750	0.00	0.01	0.015	0					0.35
124.833	0.00	0.01	0.015	0					0.34
124.917	0.00	0.01	0.015	0					0.34
125.000	0.00	0.01	0.015	0					0.34
125.083	0.00	0.01	0.015	0					0.34
125.167	0.00	0.01	0.014	0					0.34
125.250	0.00	0.01	0.014	0					0.34
125.333	0.00	0.01	0.014	0					0.34
125.417	0.00	0.01	0.014	0					0.33
125.500	0.00	0.01	0.014	0					0.33
125.583	0.00	0.01	0.014	0					0.33
125.667	0.00	0.01	0.014	0					0.33
125.750	0.00	0.01	0.014	0					0.33
125.833	0.00	0.01	0.014	0					0.33
125.917	0.00	0.01	0.014	0					0.32
126.000	0.00	0.01	0.014	0					0.32
126.083	0.00	0.01	0.014	0					0.32
126.167	0.00	0.01	0.013	0					0.32
126.250	0.00	0.01	0.013	0					0.32
126.333	0.00	0.01	0.013	0					0.32
126.417	0.00	0.01	0.013	0					0.32
126.500	0.00	0.01	0.013	0					0.31
126.583	0.00	0.01	0.013	0					0.31
126.667	0.00	0.01	0.013	0					0.31
126.750	0.00	0.01	0.013	0					0.31
126.833	0.00	0.01	0.013	0					0.31

126.917	0.00	0.01	0.013	0					0.31
127.000	0.00	0.01	0.013	0					0.31
127.083	0.00	0.01	0.013	0					0.30
127.167	0.00	0.01	0.013	0					0.30
127.250	0.00	0.01	0.012	0					0.30
127.333	0.00	0.01	0.012	0					0.30
127.417	0.00	0.01	0.012	0					0.30
127.500	0.00	0.01	0.012	0					0.30
127.583	0.00	0.01	0.012	0					0.30
127.667	0.00	0.01	0.012	0					0.29
127.750	0.00	0.01	0.012	0					0.29
127.833	0.00	0.01	0.012	0					0.29
127.917	0.00	0.01	0.012	0					0.29
128.000	0.00	0.01	0.012	0					0.29
128.083	0.00	0.01	0.012	0					0.29
128.167	0.00	0.01	0.012	0					0.29
128.250	0.00	0.01	0.012	0					0.28
128.333	0.00	0.01	0.012	0					0.28
128.417	0.00	0.01	0.011	0					0.28
128.500	0.00	0.01	0.011	0					0.28
128.583	0.00	0.01	0.011	0					0.28
128.667	0.00	0.01	0.011	0					0.28
128.750	0.00	0.01	0.011	0					0.28
128.833	0.00	0.01	0.011	0					0.27
128.917	0.00	0.01	0.011	0					0.27
129.000	0.00	0.01	0.011	0					0.27
129.083	0.00	0.01	0.011	0					0.27
129.167	0.00	0.01	0.011	0					0.27
129.250	0.00	0.01	0.011	0					0.27
129.333	0.00	0.01	0.011	0					0.27
129.417	0.00	0.01	0.011	0					0.26
129.500	0.00	0.01	0.011	0					0.26
129.583	0.00	0.01	0.010	0					0.26
129.667	0.00	0.01	0.010	0					0.26
129.750	0.00	0.01	0.010	0					0.26
129.833	0.00	0.01	0.010	0					0.26
129.917	0.00	0.01	0.010	0					0.26
130.000	0.00	0.01	0.010	0					0.26
130.083	0.00	0.01	0.010	0					0.25
130.167	0.00	0.01	0.010	0					0.25
130.250	0.00	0.01	0.010	0					0.25
130.333	0.00	0.01	0.010	0					0.25
130.417	0.00	0.01	0.010	0					0.25
130.500	0.00	0.01	0.010	0					0.25
130.583	0.00	0.01	0.010	0					0.25
130.667	0.00	0.01	0.010	0					0.25
130.750	0.00	0.01	0.010	0					0.24
130.833	0.00	0.01	0.009	0					0.24
130.917	0.00	0.01	0.009	0					0.24
131.000	0.00	0.01	0.009	0					0.24

131.083	0.00	0.01	0.009	0					0.24
131.167	0.00	0.01	0.009	0					0.24
131.250	0.00	0.01	0.009	0					0.24
131.333	0.00	0.01	0.009	0					0.24
131.417	0.00	0.01	0.009	0					0.23
131.500	0.00	0.01	0.009	0					0.23
131.583	0.00	0.01	0.009	0					0.23
131.667	0.00	0.01	0.009	0					0.23
131.750	0.00	0.01	0.009	0					0.23
131.833	0.00	0.01	0.009	0					0.23
131.917	0.00	0.01	0.009	0					0.23
132.000	0.00	0.01	0.009	0					0.23
132.083	0.00	0.01	0.009	0					0.22
132.167	0.00	0.01	0.008	0					0.22
132.250	0.00	0.01	0.008	0					0.22
132.333	0.00	0.01	0.008	0					0.22
132.417	0.00	0.01	0.008	0					0.22
132.500	0.00	0.01	0.008	0					0.22
132.583	0.00	0.01	0.008	0					0.22
132.667	0.00	0.01	0.008	0					0.22
132.750	0.00	0.01	0.008	0					0.22
132.833	0.00	0.01	0.008	0					0.21
132.917	0.00	0.01	0.008	0					0.21
133.000	0.00	0.01	0.008	0					0.21
133.083	0.00	0.01	0.008	0					0.21
133.167	0.00	0.01	0.008	0					0.21
133.250	0.00	0.01	0.008	0					0.21
133.333	0.00	0.01	0.008	0					0.21
133.417	0.00	0.01	0.008	0					0.21
133.500	0.00	0.01	0.007	0					0.20
133.583	0.00	0.01	0.007	0					0.20
133.667	0.00	0.01	0.007	0					0.20
133.750	0.00	0.01	0.007	0					0.20
133.833	0.00	0.01	0.007	0					0.20
133.917	0.00	0.01	0.007	0					0.20
134.000	0.00	0.01	0.007	0					0.20
134.083	0.00	0.01	0.007	0					0.20
134.167	0.00	0.01	0.007	0					0.20
134.250	0.00	0.01	0.007	0					0.19
134.333	0.00	0.01	0.007	0					0.19
134.417	0.00	0.01	0.007	0					0.19
134.500	0.00	0.01	0.007	0					0.19
134.583	0.00	0.01	0.007	0					0.19
134.667	0.00	0.01	0.007	0					0.19
134.750	0.00	0.01	0.007	0					0.19
134.833	0.00	0.01	0.007	0					0.19
134.917	0.00	0.01	0.007	0					0.19
135.000	0.00	0.01	0.006	0					0.19
135.083	0.00	0.01	0.006	0					0.18
135.167	0.00	0.01	0.006	0					0.18

135.250	0.00	0.01	0.006	0					0.18
135.333	0.00	0.01	0.006	0					0.18
135.417	0.00	0.01	0.006	0					0.18
135.500	0.00	0.01	0.006	0					0.18
135.583	0.00	0.01	0.006	0					0.18
135.667	0.00	0.01	0.006	0					0.18
135.750	0.00	0.01	0.006	0					0.18
135.833	0.00	0.01	0.006	0					0.17
135.917	0.00	0.01	0.006	0					0.17
136.000	0.00	0.01	0.006	0					0.17
136.083	0.00	0.01	0.006	0					0.17
136.167	0.00	0.01	0.006	0					0.17
136.250	0.00	0.01	0.006	0					0.17
136.333	0.00	0.01	0.006	0					0.17
136.417	0.00	0.01	0.006	0					0.17
136.500	0.00	0.01	0.005	0					0.17
136.583	0.00	0.01	0.005	0					0.17
136.667	0.00	0.01	0.005	0					0.16
136.750	0.00	0.01	0.005	0					0.16
136.833	0.00	0.01	0.005	0					0.16
136.917	0.00	0.01	0.005	0					0.16
137.000	0.00	0.01	0.005	0					0.16
137.083	0.00	0.01	0.005	0					0.16
137.167	0.00	0.01	0.005	0					0.16
137.250	0.00	0.01	0.005	0					0.16
137.333	0.00	0.01	0.005	0					0.16
137.417	0.00	0.01	0.005	0					0.16
137.500	0.00	0.01	0.005	0					0.15
137.583	0.00	0.01	0.005	0					0.15
137.667	0.00	0.01	0.005	0					0.15
137.750	0.00	0.01	0.005	0					0.15
137.833	0.00	0.01	0.005	0					0.15
137.917	0.00	0.01	0.005	0					0.15
138.000	0.00	0.01	0.005	0					0.15
138.083	0.00	0.01	0.005	0					0.15
138.167	0.00	0.01	0.004	0					0.15
138.250	0.00	0.01	0.004	0					0.15
138.333	0.00	0.01	0.004	0					0.15
138.417	0.00	0.01	0.004	0					0.14
138.500	0.00	0.01	0.004	0					0.14
138.583	0.00	0.01	0.004	0					0.14
138.667	0.00	0.01	0.004	0					0.14
138.750	0.00	0.01	0.004	0					0.14
138.833	0.00	0.01	0.004	0					0.14
138.917	0.00	0.01	0.004	0					0.14
139.000	0.00	0.01	0.004	0					0.14
139.083	0.00	0.01	0.004	0					0.14
139.167	0.00	0.01	0.004	0					0.14
139.250	0.00	0.01	0.004	0					0.14
139.333	0.00	0.01	0.004	0					0.13

139.417	0.00	0.01	0.004	0					0.13
139.500	0.00	0.01	0.004	0					0.13
139.583	0.00	0.01	0.004	0					0.13
139.667	0.00	0.01	0.004	0					0.13
139.750	0.00	0.01	0.004	0					0.13
139.833	0.00	0.01	0.004	0					0.13
139.917	0.00	0.01	0.003	0					0.13
140.000	0.00	0.01	0.003	0					0.13
140.083	0.00	0.01	0.003	0					0.13
140.167	0.00	0.01	0.003	0					0.13
140.250	0.00	0.01	0.003	0					0.12
140.333	0.00	0.01	0.003	0					0.12
140.417	0.00	0.01	0.003	0					0.12
140.500	0.00	0.01	0.003	0					0.12
140.583	0.00	0.01	0.003	0					0.12
140.667	0.00	0.01	0.003	0					0.12
140.750	0.00	0.01	0.003	0					0.12
140.833	0.00	0.01	0.003	0					0.12
140.917	0.00	0.01	0.003	0					0.12
141.000	0.00	0.01	0.003	0					0.12
141.083	0.00	0.01	0.003	0					0.12
141.167	0.00	0.01	0.003	0					0.11
141.250	0.00	0.01	0.003	0					0.11
141.333	0.00	0.01	0.003	0					0.11
141.417	0.00	0.01	0.003	0					0.11
141.500	0.00	0.01	0.003	0					0.11
141.583	0.00	0.01	0.003	0					0.11
141.667	0.00	0.01	0.003	0					0.11
141.750	0.00	0.01	0.002	0					0.11
141.833	0.00	0.01	0.002	0					0.11
141.917	0.00	0.01	0.002	0					0.11
142.000	0.00	0.01	0.002	0					0.11
142.083	0.00	0.01	0.002	0					0.11
142.167	0.00	0.01	0.002	0					0.11
142.250	0.00	0.01	0.002	0					0.10
142.333	0.00	0.01	0.002	0					0.10
142.417	0.00	0.01	0.002	0					0.10
142.500	0.00	0.01	0.002	0					0.10
142.583	0.00	0.01	0.002	0					0.10
142.667	0.00	0.01	0.002	0					0.10
142.750	0.00	0.01	0.002	0					0.10
142.833	0.00	0.01	0.002	0					0.10
142.917	0.00	0.01	0.002	0					0.09
143.000	0.00	0.01	0.002	0					0.09
143.083	0.00	0.01	0.002	0					0.09
143.167	0.00	0.01	0.002	0					0.09
143.250	0.00	0.01	0.002	0					0.09
143.333	0.00	0.01	0.002	0					0.09
143.417	0.00	0.01	0.002	0					0.08
143.500	0.00	0.00	0.002	0					0.08

143.583	0.00	0.00	0.002	0					0.08
143.667	0.00	0.00	0.002	0					0.08
143.750	0.00	0.00	0.002	0					0.08
143.833	0.00	0.00	0.002	0					0.08
143.917	0.00	0.00	0.001	0					0.07
144.000	0.00	0.00	0.001	0					0.07
144.083	0.00	0.00	0.001	0					0.07
144.167	0.00	0.00	0.001	0					0.07
144.250	0.00	0.00	0.001	0					0.07
144.333	0.00	0.00	0.001	0					0.07
144.417	0.00	0.00	0.001	0					0.07
144.500	0.00	0.00	0.001	0					0.06
144.583	0.00	0.00	0.001	0					0.06
144.667	0.00	0.00	0.001	0					0.06
144.750	0.00	0.00	0.001	0					0.06
144.833	0.00	0.00	0.001	0					0.06
144.917	0.00	0.00	0.001	0					0.06
145.000	0.00	0.00	0.001	0					0.06
145.083	0.00	0.00	0.001	0					0.06
145.167	0.00	0.00	0.001	0					0.05
145.250	0.00	0.00	0.001	0					0.05
145.333	0.00	0.00	0.001	0					0.05
145.417	0.00	0.00	0.001	0					0.05
145.500	0.00	0.00	0.001	0					0.05
145.583	0.00	0.00	0.001	0					0.05
145.667	0.00	0.00	0.001	0					0.05
145.750	0.00	0.00	0.001	0					0.05
145.833	0.00	0.00	0.001	0					0.05
145.917	0.00	0.00	0.001	0					0.05
146.000	0.00	0.00	0.001	0					0.04
146.083	0.00	0.00	0.001	0					0.04
146.167	0.00	0.00	0.001	0					0.04
146.250	0.00	0.00	0.001	0					0.04
146.333	0.00	0.00	0.001	0					0.04
146.417	0.00	0.00	0.001	0					0.04
146.500	0.00	0.00	0.001	0					0.04
146.583	0.00	0.00	0.001	0					0.04
146.667	0.00	0.00	0.001	0					0.04
146.750	0.00	0.00	0.001	0					0.04
146.833	0.00	0.00	0.001	0					0.04
146.917	0.00	0.00	0.001	0					0.04
147.000	0.00	0.00	0.001	0					0.03
147.083	0.00	0.00	0.001	0					0.03
147.167	0.00	0.00	0.001	0					0.03
147.250	0.00	0.00	0.001	0					0.03
147.333	0.00	0.00	0.001	0					0.03
147.417	0.00	0.00	0.001	0					0.03
147.500	0.00	0.00	0.001	0					0.03
147.583	0.00	0.00	0.001	0					0.03
147.667	0.00	0.00	0.001	0					0.03

147.750	0.00	0.00	0.001	0					0.03
147.833	0.00	0.00	0.001	0					0.03
147.917	0.00	0.00	0.001	0					0.03
148.000	0.00	0.00	0.001	0					0.03
148.083	0.00	0.00	0.001	0					0.03
148.167	0.00	0.00	0.001	0					0.03
148.250	0.00	0.00	0.001	0					0.03
148.333	0.00	0.00	0.000	0					0.02
148.417	0.00	0.00	0.000	0					0.02
148.500	0.00	0.00	0.000	0					0.02
148.583	0.00	0.00	0.000	0					0.02
148.667	0.00	0.00	0.000	0					0.02
148.750	0.00	0.00	0.000	0					0.02
148.833	0.00	0.00	0.000	0					0.02
148.917	0.00	0.00	0.000	0					0.02
149.000	0.00	0.00	0.000	0					0.02
149.083	0.00	0.00	0.000	0					0.02
149.167	0.00	0.00	0.000	0					0.02
149.250	0.00	0.00	0.000	0					0.02
149.333	0.00	0.00	0.000	0					0.02
149.417	0.00	0.00	0.000	0					0.02
149.500	0.00	0.00	0.000	0					0.02
149.583	0.00	0.00	0.000	0					0.02
149.667	0.00	0.00	0.000	0					0.02
149.750	0.00	0.00	0.000	0					0.02
149.833	0.00	0.00	0.000	0					0.02
149.917	0.00	0.00	0.000	0					0.02
150.000	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1800

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.185 (CFS)

Total volume = 0.595 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
100 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da23100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.461 (CFS)
Total volume = 0.459 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.4	2.73	4.10	5.46	Depth (Ft.)
0.083	0.42	0.00	0.001	0 I					0.07
0.167	0.72	0.01	0.005	0 I					0.16
0.250	0.70	0.01	0.010	0 I					0.26
0.333	0.80	0.01	0.015	0 I					0.35
0.417	0.90	0.01	0.021	0 I					0.46
0.500	1.04	0.02	0.028	0 I					0.59
0.583	1.00	0.02	0.034	0 I					0.72
0.667	1.06	0.02	0.041	0 I					0.85
0.750	1.12	0.03	0.049	0 I					0.99
0.833	1.02	0.03	0.056	0 I					1.09
0.917	0.98	0.03	0.063	0 I					1.17
1.000	1.07	0.03	0.069	0 I					1.26
1.083	1.29	0.03	0.077	0 I					1.35
1.167	1.41	0.03	0.086	0 I					1.47
1.250	1.43	0.03	0.096	0 I					1.59
1.333	1.35	0.04	0.105	0 I					1.70
1.417	1.53	0.04	0.115	0 I					1.82
1.500	1.73	0.04	0.126	0 I	I				1.96
1.583	1.67	0.04	0.137	0 I	I				2.09
1.667	1.71	0.04	0.149	0 I	I				2.21
1.750	2.01	0.04	0.161	0 I	I				2.34
1.833	2.12	0.04	0.175	0 I	I				2.49

1.917	2.01	0.04	0.189	0		I					2.63
2.000	1.99	0.05	0.203	0		I					2.77
2.083	2.04	0.05	0.216	0		I					2.92
2.167	2.51	0.05	0.231	0			I				3.08
2.250	3.14	0.05	0.251	0				I			3.27
2.333	2.82	0.05	0.271	0				I			3.48
2.417	3.76	0.05	0.293	0					I		3.70
2.500	4.79	0.06	0.322	0						I	4.00
2.583	5.46	0.06	0.357	0						I	4.36
2.667	4.82	0.10	0.392	0					I		4.73
2.750	2.69	0.16	0.417	0			I				5.01
2.833	1.41	0.28	0.429	0	I						5.15
2.917	1.15	0.35	0.436	0	I						5.23
3.000	0.69	0.38	0.440	0	I						5.27
3.083	0.20	0.39	0.440	0	I						5.28
3.167	0.02	0.37	0.439	0							5.26
3.250	0.00	0.35	0.436	0							5.23
3.333	0.00	0.32	0.434	0							5.20
3.417	0.00	0.30	0.432	0							5.18
3.500	0.00	0.28	0.430	0							5.15
3.583	0.00	0.27	0.428	0							5.13
3.667	0.00	0.25	0.426	0							5.11
3.750	0.00	0.23	0.424	0							5.09
3.833	0.00	0.22	0.423	0							5.08
3.917	0.00	0.20	0.421	0							5.06
4.000	0.00	0.19	0.420	0							5.04
4.083	0.00	0.18	0.419	0							5.03
4.167	0.00	0.17	0.418	0							5.02
4.250	0.00	0.15	0.416	0							5.00
4.333	0.00	0.15	0.415	0							4.99
4.417	0.00	0.15	0.414	0							4.98
4.500	0.00	0.15	0.413	0							4.97
4.583	0.00	0.14	0.412	0							4.96
4.667	0.00	0.14	0.411	0							4.95
4.750	0.00	0.14	0.410	0							4.94
4.833	0.00	0.14	0.409	0							4.93
4.917	0.00	0.14	0.408	0							4.91
5.000	0.00	0.13	0.408	0							4.90
5.083	0.00	0.13	0.407	0							4.89
5.167	0.00	0.13	0.406	0							4.88
5.250	0.00	0.13	0.405	0							4.87
5.333	0.00	0.13	0.404	0							4.86
5.417	0.00	0.12	0.403	0							4.85
5.500	0.00	0.12	0.402	0							4.84
5.583	0.00	0.12	0.401	0							4.83
5.667	0.00	0.12	0.401	0							4.83
5.750	0.00	0.12	0.400	0							4.82
5.833	0.00	0.12	0.399	0							4.81
5.917	0.00	0.11	0.398	0							4.80
6.000	0.00	0.11	0.397	0							4.79

6.083	0.00	0.11	0.397	0					4.78
6.167	0.00	0.11	0.396	0					4.77
6.250	0.00	0.11	0.395	0					4.76
6.333	0.00	0.11	0.394	0					4.75
6.417	0.00	0.10	0.394	0					4.75
6.500	0.00	0.10	0.393	0					4.74
6.583	0.00	0.10	0.392	0					4.73
6.667	0.00	0.10	0.392	0					4.72
6.750	0.00	0.10	0.391	0					4.72
6.833	0.00	0.10	0.390	0					4.71
6.917	0.00	0.10	0.390	0					4.70
7.000	0.00	0.10	0.389	0					4.69
7.083	0.00	0.09	0.388	0					4.69
7.167	0.00	0.09	0.388	0					4.68
7.250	0.00	0.09	0.387	0					4.67
7.333	0.00	0.09	0.386	0					4.67
7.417	0.00	0.09	0.386	0					4.66
7.500	0.00	0.09	0.385	0					4.65
7.583	0.00	0.09	0.385	0					4.65
7.667	0.00	0.09	0.384	0					4.64
7.750	0.00	0.08	0.383	0					4.63
7.833	0.00	0.08	0.383	0					4.63
7.917	0.00	0.08	0.382	0					4.62
8.000	0.00	0.08	0.382	0					4.62
8.083	0.00	0.08	0.381	0					4.61
8.167	0.00	0.08	0.381	0					4.60
8.250	0.00	0.08	0.380	0					4.60
8.333	0.00	0.08	0.379	0					4.59
8.417	0.00	0.08	0.379	0					4.59
8.500	0.00	0.07	0.378	0					4.58
8.583	0.00	0.07	0.378	0					4.58
8.667	0.00	0.07	0.377	0					4.57
8.750	0.00	0.07	0.377	0					4.56
8.833	0.00	0.07	0.376	0					4.56
8.917	0.00	0.07	0.376	0					4.55
9.000	0.00	0.07	0.375	0					4.55
9.083	0.00	0.07	0.375	0					4.54
9.167	0.00	0.07	0.375	0					4.54
9.250	0.00	0.07	0.374	0					4.53
9.333	0.00	0.07	0.374	0					4.53
9.417	0.00	0.06	0.373	0					4.52
9.500	0.00	0.06	0.373	0					4.52
9.583	0.00	0.06	0.372	0					4.51
9.667	0.00	0.06	0.372	0					4.51
9.750	0.00	0.06	0.371	0					4.51
9.833	0.00	0.06	0.371	0					4.50
9.917	0.00	0.06	0.371	0					4.50
10.000	0.00	0.06	0.370	0					4.49
10.083	0.00	0.06	0.370	0					4.49
10.167	0.00	0.06	0.369	0					4.48

10.250	0.00	0.06	0.369	0					4.48
10.333	0.00	0.06	0.369	0					4.48
10.417	0.00	0.06	0.368	0					4.47
10.500	0.00	0.06	0.368	0					4.47
10.583	0.00	0.06	0.367	0					4.46
10.667	0.00	0.06	0.367	0					4.46
10.750	0.00	0.06	0.367	0					4.45
10.833	0.00	0.06	0.366	0					4.45
10.917	0.00	0.06	0.366	0					4.45
11.000	0.00	0.06	0.365	0					4.44
11.083	0.00	0.06	0.365	0					4.44
11.167	0.00	0.06	0.364	0					4.43
11.250	0.00	0.06	0.364	0					4.43
11.333	0.00	0.06	0.364	0					4.43
11.417	0.00	0.06	0.363	0					4.42
11.500	0.00	0.06	0.363	0					4.42
11.583	0.00	0.06	0.362	0					4.41
11.667	0.00	0.06	0.362	0					4.41
11.750	0.00	0.06	0.362	0					4.40
11.833	0.00	0.06	0.361	0					4.40
11.917	0.00	0.06	0.361	0					4.40
12.000	0.00	0.06	0.360	0					4.39
12.083	0.00	0.06	0.360	0					4.39
12.167	0.00	0.06	0.360	0					4.38
12.250	0.00	0.06	0.359	0					4.38
12.333	0.00	0.06	0.359	0					4.38
12.417	0.00	0.06	0.358	0					4.37
12.500	0.00	0.06	0.358	0					4.37
12.583	0.00	0.06	0.358	0					4.36
12.667	0.00	0.06	0.357	0					4.36
12.750	0.00	0.06	0.357	0					4.35
12.833	0.00	0.06	0.356	0					4.35
12.917	0.00	0.06	0.356	0					4.35
13.000	0.00	0.06	0.356	0					4.34
13.083	0.00	0.06	0.355	0					4.34
13.167	0.00	0.06	0.355	0					4.33
13.250	0.00	0.06	0.354	0					4.33
13.333	0.00	0.06	0.354	0					4.33
13.417	0.00	0.06	0.353	0					4.32
13.500	0.00	0.06	0.353	0					4.32
13.583	0.00	0.06	0.353	0					4.31
13.667	0.00	0.06	0.352	0					4.31
13.750	0.00	0.06	0.352	0					4.30
13.833	0.00	0.06	0.351	0					4.30
13.917	0.00	0.06	0.351	0					4.30
14.000	0.00	0.06	0.351	0					4.29
14.083	0.00	0.06	0.350	0					4.29
14.167	0.00	0.06	0.350	0					4.28
14.250	0.00	0.06	0.349	0					4.28
14.333	0.00	0.06	0.349	0					4.28

14.417	0.00	0.06	0.349	0					4.27
14.500	0.00	0.06	0.348	0					4.27
14.583	0.00	0.06	0.348	0					4.26
14.667	0.00	0.06	0.347	0					4.26
14.750	0.00	0.06	0.347	0					4.26
14.833	0.00	0.06	0.347	0					4.25
14.917	0.00	0.06	0.346	0					4.25
15.000	0.00	0.06	0.346	0					4.24
15.083	0.00	0.06	0.345	0					4.24
15.167	0.00	0.06	0.345	0					4.24
15.250	0.00	0.06	0.345	0					4.23
15.333	0.00	0.06	0.344	0					4.23
15.417	0.00	0.06	0.344	0					4.22
15.500	0.00	0.06	0.343	0					4.22
15.583	0.00	0.06	0.343	0					4.22
15.667	0.00	0.06	0.343	0					4.21
15.750	0.00	0.06	0.342	0					4.21
15.833	0.00	0.06	0.342	0					4.20
15.917	0.00	0.06	0.341	0					4.20
16.000	0.00	0.06	0.341	0					4.19
16.083	0.00	0.06	0.341	0					4.19
16.167	0.00	0.06	0.340	0					4.19
16.250	0.00	0.06	0.340	0					4.18
16.333	0.00	0.06	0.340	0					4.18
16.417	0.00	0.06	0.339	0					4.17
16.500	0.00	0.06	0.339	0					4.17
16.583	0.00	0.06	0.338	0					4.17
16.667	0.00	0.06	0.338	0					4.16
16.750	0.00	0.06	0.338	0					4.16
16.833	0.00	0.06	0.337	0					4.15
16.917	0.00	0.06	0.337	0					4.15
17.000	0.00	0.06	0.336	0					4.15
17.083	0.00	0.06	0.336	0					4.14
17.167	0.00	0.06	0.336	0					4.14
17.250	0.00	0.06	0.335	0					4.13
17.333	0.00	0.06	0.335	0					4.13
17.417	0.00	0.06	0.334	0					4.13
17.500	0.00	0.06	0.334	0					4.12
17.583	0.00	0.06	0.334	0					4.12
17.667	0.00	0.06	0.333	0					4.11
17.750	0.00	0.06	0.333	0					4.11
17.833	0.00	0.06	0.332	0					4.11
17.917	0.00	0.06	0.332	0					4.10
18.000	0.00	0.06	0.332	0					4.10
18.083	0.00	0.06	0.331	0					4.09
18.167	0.00	0.06	0.331	0					4.09
18.250	0.00	0.06	0.330	0					4.09
18.333	0.00	0.06	0.330	0					4.08
18.417	0.00	0.06	0.330	0					4.08
18.500	0.00	0.06	0.329	0					4.07

18.583	0.00	0.06	0.329	0					4.07
18.667	0.00	0.06	0.329	0					4.07
18.750	0.00	0.06	0.328	0					4.06
18.833	0.00	0.06	0.328	0					4.06
18.917	0.00	0.06	0.327	0					4.05
19.000	0.00	0.06	0.327	0					4.05
19.083	0.00	0.06	0.327	0					4.05
19.167	0.00	0.06	0.326	0					4.04
19.250	0.00	0.06	0.326	0					4.04
19.333	0.00	0.06	0.325	0					4.03
19.417	0.00	0.06	0.325	0					4.03
19.500	0.00	0.06	0.325	0					4.03
19.583	0.00	0.06	0.324	0					4.02
19.667	0.00	0.06	0.324	0					4.02
19.750	0.00	0.06	0.323	0					4.02
19.833	0.00	0.06	0.323	0					4.01
19.917	0.00	0.06	0.323	0					4.01
20.000	0.00	0.06	0.322	0					4.00
20.083	0.00	0.06	0.322	0					4.00
20.167	0.00	0.06	0.322	0					4.00
20.250	0.00	0.06	0.321	0					3.99
20.333	0.00	0.06	0.321	0					3.99
20.417	0.00	0.06	0.320	0					3.98
20.500	0.00	0.06	0.320	0					3.98
20.583	0.00	0.06	0.320	0					3.98
20.667	0.00	0.06	0.319	0					3.97
20.750	0.00	0.06	0.319	0					3.97
20.833	0.00	0.06	0.318	0					3.96
20.917	0.00	0.06	0.318	0					3.96
21.000	0.00	0.06	0.318	0					3.96
21.083	0.00	0.06	0.317	0					3.95
21.167	0.00	0.06	0.317	0					3.95
21.250	0.00	0.06	0.317	0					3.94
21.333	0.00	0.06	0.316	0					3.94
21.417	0.00	0.06	0.316	0					3.94
21.500	0.00	0.06	0.315	0					3.93
21.583	0.00	0.06	0.315	0					3.93
21.667	0.00	0.06	0.315	0					3.93
21.750	0.00	0.06	0.314	0					3.92
21.833	0.00	0.06	0.314	0					3.92
21.917	0.00	0.06	0.314	0					3.91
22.000	0.00	0.06	0.313	0					3.91
22.083	0.00	0.06	0.313	0					3.91
22.167	0.00	0.06	0.312	0					3.90
22.250	0.00	0.06	0.312	0					3.90
22.333	0.00	0.06	0.312	0					3.89
22.417	0.00	0.06	0.311	0					3.89
22.500	0.00	0.06	0.311	0					3.89
22.583	0.00	0.06	0.310	0					3.88
22.667	0.00	0.06	0.310	0					3.88

22.750	0.00	0.05	0.310	0					3.87
22.833	0.00	0.05	0.309	0					3.87
22.917	0.00	0.05	0.309	0					3.87
23.000	0.00	0.05	0.309	0					3.86
23.083	0.00	0.05	0.308	0					3.86
23.167	0.00	0.05	0.308	0					3.86
23.250	0.00	0.05	0.307	0					3.85
23.333	0.00	0.05	0.307	0					3.85
23.417	0.00	0.05	0.307	0					3.84
23.500	0.00	0.05	0.306	0					3.84
23.583	0.00	0.05	0.306	0					3.84
23.667	0.00	0.05	0.306	0					3.83
23.750	0.00	0.05	0.305	0					3.83
23.833	0.00	0.05	0.305	0					3.82
23.917	0.00	0.05	0.304	0					3.82
24.000	0.00	0.05	0.304	0					3.82
24.083	0.00	0.05	0.304	0					3.81
24.167	0.00	0.05	0.303	0					3.81
24.250	0.00	0.05	0.303	0					3.81
24.333	0.00	0.05	0.303	0					3.80
24.417	0.00	0.05	0.302	0					3.80
24.500	0.00	0.05	0.302	0					3.79
24.583	0.00	0.05	0.301	0					3.79
24.667	0.00	0.05	0.301	0					3.79
24.750	0.00	0.05	0.301	0					3.78
24.833	0.00	0.05	0.300	0					3.78
24.917	0.00	0.05	0.300	0					3.77
25.000	0.00	0.05	0.300	0					3.77
25.083	0.00	0.05	0.299	0					3.77
25.167	0.00	0.05	0.299	0					3.76
25.250	0.00	0.05	0.298	0					3.76
25.333	0.00	0.05	0.298	0					3.76
25.417	0.00	0.05	0.298	0					3.75
25.500	0.00	0.05	0.297	0					3.75
25.583	0.00	0.05	0.297	0					3.74
25.667	0.00	0.05	0.297	0					3.74
25.750	0.00	0.05	0.296	0					3.74
25.833	0.00	0.05	0.296	0					3.73
25.917	0.00	0.05	0.295	0					3.73
26.000	0.00	0.05	0.295	0					3.73
26.083	0.00	0.05	0.295	0					3.72
26.167	0.00	0.05	0.294	0					3.72
26.250	0.00	0.05	0.294	0					3.71
26.333	0.00	0.05	0.294	0					3.71
26.417	0.00	0.05	0.293	0					3.71
26.500	0.00	0.05	0.293	0					3.70
26.583	0.00	0.05	0.293	0					3.70
26.667	0.00	0.05	0.292	0					3.70
26.750	0.00	0.05	0.292	0					3.69
26.833	0.00	0.05	0.291	0					3.69

26.917	0.00	0.05	0.291	0					3.68
27.000	0.00	0.05	0.291	0					3.68
27.083	0.00	0.05	0.290	0					3.68
27.167	0.00	0.05	0.290	0					3.67
27.250	0.00	0.05	0.290	0					3.67
27.333	0.00	0.05	0.289	0					3.67
27.417	0.00	0.05	0.289	0					3.66
27.500	0.00	0.05	0.288	0					3.66
27.583	0.00	0.05	0.288	0					3.65
27.667	0.00	0.05	0.288	0					3.65
27.750	0.00	0.05	0.287	0					3.65
27.833	0.00	0.05	0.287	0					3.64
27.917	0.00	0.05	0.287	0					3.64
28.000	0.00	0.05	0.286	0					3.64
28.083	0.00	0.05	0.286	0					3.63
28.167	0.00	0.05	0.286	0					3.63
28.250	0.00	0.05	0.285	0					3.62
28.333	0.00	0.05	0.285	0					3.62
28.417	0.00	0.05	0.284	0					3.62
28.500	0.00	0.05	0.284	0					3.61
28.583	0.00	0.05	0.284	0					3.61
28.667	0.00	0.05	0.283	0					3.61
28.750	0.00	0.05	0.283	0					3.60
28.833	0.00	0.05	0.283	0					3.60
28.917	0.00	0.05	0.282	0					3.59
29.000	0.00	0.05	0.282	0					3.59
29.083	0.00	0.05	0.282	0					3.59
29.167	0.00	0.05	0.281	0					3.58
29.250	0.00	0.05	0.281	0					3.58
29.333	0.00	0.05	0.280	0					3.58
29.417	0.00	0.05	0.280	0					3.57
29.500	0.00	0.05	0.280	0					3.57
29.583	0.00	0.05	0.279	0					3.56
29.667	0.00	0.05	0.279	0					3.56
29.750	0.00	0.05	0.279	0					3.56
29.833	0.00	0.05	0.278	0					3.55
29.917	0.00	0.05	0.278	0					3.55
30.000	0.00	0.05	0.278	0					3.55
30.083	0.00	0.05	0.277	0					3.54
30.167	0.00	0.05	0.277	0					3.54
30.250	0.00	0.05	0.276	0					3.54
30.333	0.00	0.05	0.276	0					3.53
30.417	0.00	0.05	0.276	0					3.53
30.500	0.00	0.05	0.275	0					3.52
30.583	0.00	0.05	0.275	0					3.52
30.667	0.00	0.05	0.275	0					3.52
30.750	0.00	0.05	0.274	0					3.51
30.833	0.00	0.05	0.274	0					3.51
30.917	0.00	0.05	0.274	0					3.51
31.000	0.00	0.05	0.273	0					3.50

31.083	0.00	0.05	0.273	0					3.50
31.167	0.00	0.05	0.273	0					3.50
31.250	0.00	0.05	0.272	0					3.49
31.333	0.00	0.05	0.272	0					3.49
31.417	0.00	0.05	0.271	0					3.48
31.500	0.00	0.05	0.271	0					3.48
31.583	0.00	0.05	0.271	0					3.48
31.667	0.00	0.05	0.270	0					3.47
31.750	0.00	0.05	0.270	0					3.47
31.833	0.00	0.05	0.270	0					3.47
31.917	0.00	0.05	0.269	0					3.46
32.000	0.00	0.05	0.269	0					3.46
32.083	0.00	0.05	0.269	0					3.46
32.167	0.00	0.05	0.268	0					3.45
32.250	0.00	0.05	0.268	0					3.45
32.333	0.00	0.05	0.268	0					3.44
32.417	0.00	0.05	0.267	0					3.44
32.500	0.00	0.05	0.267	0					3.44
32.583	0.00	0.05	0.266	0					3.43
32.667	0.00	0.05	0.266	0					3.43
32.750	0.00	0.05	0.266	0					3.43
32.833	0.00	0.05	0.265	0					3.42
32.917	0.00	0.05	0.265	0					3.42
33.000	0.00	0.05	0.265	0					3.42
33.083	0.00	0.05	0.264	0					3.41
33.167	0.00	0.05	0.264	0					3.41
33.250	0.00	0.05	0.264	0					3.40
33.333	0.00	0.05	0.263	0					3.40
33.417	0.00	0.05	0.263	0					3.40
33.500	0.00	0.05	0.263	0					3.39
33.583	0.00	0.05	0.262	0					3.39
33.667	0.00	0.05	0.262	0					3.39
33.750	0.00	0.05	0.262	0					3.38
33.833	0.00	0.05	0.261	0					3.38
33.917	0.00	0.05	0.261	0					3.38
34.000	0.00	0.05	0.260	0					3.37
34.083	0.00	0.05	0.260	0					3.37
34.167	0.00	0.05	0.260	0					3.36
34.250	0.00	0.05	0.259	0					3.36
34.333	0.00	0.05	0.259	0					3.36
34.417	0.00	0.05	0.259	0					3.35
34.500	0.00	0.05	0.258	0					3.35
34.583	0.00	0.05	0.258	0					3.35
34.667	0.00	0.05	0.258	0					3.34
34.750	0.00	0.05	0.257	0					3.34
34.833	0.00	0.05	0.257	0					3.34
34.917	0.00	0.05	0.257	0					3.33
35.000	0.00	0.05	0.256	0					3.33
35.083	0.00	0.05	0.256	0					3.33
35.167	0.00	0.05	0.256	0					3.32

35.250	0.00	0.05	0.255	0					3.32
35.333	0.00	0.05	0.255	0					3.32
35.417	0.00	0.05	0.255	0					3.31
35.500	0.00	0.05	0.254	0					3.31
35.583	0.00	0.05	0.254	0					3.30
35.667	0.00	0.05	0.253	0					3.30
35.750	0.00	0.05	0.253	0					3.30
35.833	0.00	0.05	0.253	0					3.29
35.917	0.00	0.05	0.252	0					3.29
36.000	0.00	0.05	0.252	0					3.29
36.083	0.00	0.05	0.252	0					3.28
36.167	0.00	0.05	0.251	0					3.28
36.250	0.00	0.05	0.251	0					3.28
36.333	0.00	0.05	0.251	0					3.27
36.417	0.00	0.05	0.250	0					3.27
36.500	0.00	0.05	0.250	0					3.27
36.583	0.00	0.05	0.250	0					3.26
36.667	0.00	0.05	0.249	0					3.26
36.750	0.00	0.05	0.249	0					3.26
36.833	0.00	0.05	0.249	0					3.25
36.917	0.00	0.05	0.248	0					3.25
37.000	0.00	0.05	0.248	0					3.24
37.083	0.00	0.05	0.248	0					3.24
37.167	0.00	0.05	0.247	0					3.24
37.250	0.00	0.05	0.247	0					3.23
37.333	0.00	0.05	0.247	0					3.23
37.417	0.00	0.05	0.246	0					3.23
37.500	0.00	0.05	0.246	0					3.22
37.583	0.00	0.05	0.246	0					3.22
37.667	0.00	0.05	0.245	0					3.22
37.750	0.00	0.05	0.245	0					3.21
37.833	0.00	0.05	0.245	0					3.21
37.917	0.00	0.05	0.244	0					3.21
38.000	0.00	0.05	0.244	0					3.20
38.083	0.00	0.05	0.244	0					3.20
38.167	0.00	0.05	0.243	0					3.20
38.250	0.00	0.05	0.243	0					3.19
38.333	0.00	0.05	0.242	0					3.19
38.417	0.00	0.05	0.242	0					3.19
38.500	0.00	0.05	0.242	0					3.18
38.583	0.00	0.05	0.241	0					3.18
38.667	0.00	0.05	0.241	0					3.17
38.750	0.00	0.05	0.241	0					3.17
38.833	0.00	0.05	0.240	0					3.17
38.917	0.00	0.05	0.240	0					3.16
39.000	0.00	0.05	0.240	0					3.16
39.083	0.00	0.05	0.239	0					3.16
39.167	0.00	0.05	0.239	0					3.15
39.250	0.00	0.05	0.239	0					3.15
39.333	0.00	0.05	0.238	0					3.15

39.417	0.00	0.05	0.238	0					3.14
39.500	0.00	0.05	0.238	0					3.14
39.583	0.00	0.05	0.237	0					3.14
39.667	0.00	0.05	0.237	0					3.13
39.750	0.00	0.05	0.237	0					3.13
39.833	0.00	0.05	0.236	0					3.13
39.917	0.00	0.05	0.236	0					3.12
40.000	0.00	0.05	0.236	0					3.12
40.083	0.00	0.05	0.235	0					3.12
40.167	0.00	0.05	0.235	0					3.11
40.250	0.00	0.05	0.235	0					3.11
40.333	0.00	0.05	0.234	0					3.11
40.417	0.00	0.05	0.234	0					3.10
40.500	0.00	0.05	0.234	0					3.10
40.583	0.00	0.05	0.233	0					3.10
40.667	0.00	0.05	0.233	0					3.09
40.750	0.00	0.05	0.233	0					3.09
40.833	0.00	0.05	0.232	0					3.09
40.917	0.00	0.05	0.232	0					3.08
41.000	0.00	0.05	0.232	0					3.08
41.083	0.00	0.05	0.231	0					3.07
41.167	0.00	0.05	0.231	0					3.07
41.250	0.00	0.05	0.231	0					3.07
41.333	0.00	0.05	0.230	0					3.06
41.417	0.00	0.05	0.230	0					3.06
41.500	0.00	0.05	0.230	0					3.06
41.583	0.00	0.05	0.229	0					3.05
41.667	0.00	0.05	0.229	0					3.05
41.750	0.00	0.05	0.229	0					3.05
41.833	0.00	0.05	0.228	0					3.04
41.917	0.00	0.05	0.228	0					3.04
42.000	0.00	0.05	0.228	0					3.04
42.083	0.00	0.05	0.227	0					3.03
42.167	0.00	0.05	0.227	0					3.03
42.250	0.00	0.05	0.227	0					3.03
42.333	0.00	0.05	0.226	0					3.02
42.417	0.00	0.05	0.226	0					3.02
42.500	0.00	0.05	0.226	0					3.02
42.583	0.00	0.05	0.225	0					3.01
42.667	0.00	0.05	0.225	0					3.01
42.750	0.00	0.05	0.225	0					3.01
42.833	0.00	0.05	0.224	0					3.00
42.917	0.00	0.05	0.224	0					3.00
43.000	0.00	0.05	0.224	0					3.00
43.083	0.00	0.05	0.223	0					2.99
43.167	0.00	0.05	0.223	0					2.99
43.250	0.00	0.05	0.223	0					2.99
43.333	0.00	0.05	0.222	0					2.98
43.417	0.00	0.05	0.222	0					2.98
43.500	0.00	0.05	0.222	0					2.98

43.583	0.00	0.05	0.221	0					2.97
43.667	0.00	0.05	0.221	0					2.97
43.750	0.00	0.05	0.221	0					2.97
43.833	0.00	0.05	0.220	0					2.96
43.917	0.00	0.05	0.220	0					2.96
44.000	0.00	0.05	0.220	0					2.96
44.083	0.00	0.05	0.219	0					2.95
44.167	0.00	0.05	0.219	0					2.95
44.250	0.00	0.05	0.219	0					2.94
44.333	0.00	0.05	0.218	0					2.94
44.417	0.00	0.05	0.218	0					2.94
44.500	0.00	0.05	0.218	0					2.93
44.583	0.00	0.05	0.217	0					2.93
44.667	0.00	0.05	0.217	0					2.93
44.750	0.00	0.05	0.217	0					2.92
44.833	0.00	0.05	0.216	0					2.92
44.917	0.00	0.05	0.216	0					2.92
45.000	0.00	0.05	0.216	0					2.91
45.083	0.00	0.05	0.215	0					2.91
45.167	0.00	0.05	0.215	0					2.91
45.250	0.00	0.05	0.215	0					2.90
45.333	0.00	0.05	0.215	0					2.90
45.417	0.00	0.05	0.214	0					2.90
45.500	0.00	0.05	0.214	0					2.89
45.583	0.00	0.05	0.214	0					2.89
45.667	0.00	0.05	0.213	0					2.89
45.750	0.00	0.05	0.213	0					2.88
45.833	0.00	0.05	0.213	0					2.88
45.917	0.00	0.05	0.212	0					2.88
46.000	0.00	0.05	0.212	0					2.87
46.083	0.00	0.05	0.212	0					2.87
46.167	0.00	0.05	0.211	0					2.87
46.250	0.00	0.05	0.211	0					2.86
46.333	0.00	0.05	0.211	0					2.86
46.417	0.00	0.05	0.210	0					2.86
46.500	0.00	0.05	0.210	0					2.85
46.583	0.00	0.05	0.210	0					2.85
46.667	0.00	0.05	0.209	0					2.85
46.750	0.00	0.05	0.209	0					2.84
46.833	0.00	0.05	0.209	0					2.84
46.917	0.00	0.05	0.208	0					2.84
47.000	0.00	0.05	0.208	0					2.83
47.083	0.00	0.05	0.208	0					2.83
47.167	0.00	0.05	0.207	0					2.83
47.250	0.00	0.05	0.207	0					2.82
47.333	0.00	0.05	0.207	0					2.82
47.417	0.00	0.05	0.206	0					2.82
47.500	0.00	0.05	0.206	0					2.81
47.583	0.00	0.05	0.206	0					2.81
47.667	0.00	0.05	0.206	0					2.81

47.750	0.00	0.05	0.205	0					2.80
47.833	0.00	0.05	0.205	0					2.80
47.917	0.00	0.05	0.205	0					2.80
48.000	0.00	0.05	0.204	0					2.79
48.083	0.00	0.05	0.204	0					2.79
48.167	0.00	0.05	0.204	0					2.79
48.250	0.00	0.05	0.203	0					2.78
48.333	0.00	0.05	0.203	0					2.78
48.417	0.00	0.05	0.203	0					2.78
48.500	0.00	0.05	0.202	0					2.77
48.583	0.00	0.05	0.202	0					2.77
48.667	0.00	0.05	0.202	0					2.77
48.750	0.00	0.05	0.201	0					2.76
48.833	0.00	0.05	0.201	0					2.76
48.917	0.00	0.05	0.201	0					2.76
49.000	0.00	0.05	0.200	0					2.75
49.083	0.00	0.05	0.200	0					2.75
49.167	0.00	0.05	0.200	0					2.75
49.250	0.00	0.05	0.200	0					2.74
49.333	0.00	0.05	0.199	0					2.74
49.417	0.00	0.05	0.199	0					2.74
49.500	0.00	0.05	0.199	0					2.73
49.583	0.00	0.05	0.198	0					2.73
49.667	0.00	0.05	0.198	0					2.73
49.750	0.00	0.05	0.198	0					2.72
49.833	0.00	0.05	0.197	0					2.72
49.917	0.00	0.05	0.197	0					2.72
50.000	0.00	0.05	0.197	0					2.71
50.083	0.00	0.05	0.196	0					2.71
50.167	0.00	0.05	0.196	0					2.71
50.250	0.00	0.05	0.196	0					2.70
50.333	0.00	0.05	0.195	0					2.70
50.417	0.00	0.05	0.195	0					2.70
50.500	0.00	0.05	0.195	0					2.69
50.583	0.00	0.05	0.194	0					2.69
50.667	0.00	0.05	0.194	0					2.69
50.750	0.00	0.05	0.194	0					2.68
50.833	0.00	0.05	0.194	0					2.68
50.917	0.00	0.05	0.193	0					2.68
51.000	0.00	0.05	0.193	0					2.67
51.083	0.00	0.05	0.193	0					2.67
51.167	0.00	0.04	0.192	0					2.67
51.250	0.00	0.04	0.192	0					2.66
51.333	0.00	0.04	0.192	0					2.66
51.417	0.00	0.04	0.191	0					2.66
51.500	0.00	0.04	0.191	0					2.65
51.583	0.00	0.04	0.191	0					2.65
51.667	0.00	0.04	0.190	0					2.65
51.750	0.00	0.04	0.190	0					2.64
51.833	0.00	0.04	0.190	0					2.64

51.917	0.00	0.04	0.190	0					2.64
52.000	0.00	0.04	0.189	0					2.63
52.083	0.00	0.04	0.189	0					2.63
52.167	0.00	0.04	0.189	0					2.63
52.250	0.00	0.04	0.188	0					2.62
52.333	0.00	0.04	0.188	0					2.62
52.417	0.00	0.04	0.188	0					2.62
52.500	0.00	0.04	0.187	0					2.61
52.583	0.00	0.04	0.187	0					2.61
52.667	0.00	0.04	0.187	0					2.61
52.750	0.00	0.04	0.186	0					2.60
52.833	0.00	0.04	0.186	0					2.60
52.917	0.00	0.04	0.186	0					2.60
53.000	0.00	0.04	0.186	0					2.60
53.083	0.00	0.04	0.185	0					2.59
53.167	0.00	0.04	0.185	0					2.59
53.250	0.00	0.04	0.185	0					2.59
53.333	0.00	0.04	0.184	0					2.58
53.417	0.00	0.04	0.184	0					2.58
53.500	0.00	0.04	0.184	0					2.58
53.583	0.00	0.04	0.183	0					2.57
53.667	0.00	0.04	0.183	0					2.57
53.750	0.00	0.04	0.183	0					2.57
53.833	0.00	0.04	0.183	0					2.56
53.917	0.00	0.04	0.182	0					2.56
54.000	0.00	0.04	0.182	0					2.56
54.083	0.00	0.04	0.182	0					2.55
54.167	0.00	0.04	0.181	0					2.55
54.250	0.00	0.04	0.181	0					2.55
54.333	0.00	0.04	0.181	0					2.54
54.417	0.00	0.04	0.180	0					2.54
54.500	0.00	0.04	0.180	0					2.54
54.583	0.00	0.04	0.180	0					2.53
54.667	0.00	0.04	0.179	0					2.53
54.750	0.00	0.04	0.179	0					2.53
54.833	0.00	0.04	0.179	0					2.53
54.917	0.00	0.04	0.179	0					2.52
55.000	0.00	0.04	0.178	0					2.52
55.083	0.00	0.04	0.178	0					2.52
55.167	0.00	0.04	0.178	0					2.51
55.250	0.00	0.04	0.177	0					2.51
55.333	0.00	0.04	0.177	0					2.51
55.417	0.00	0.04	0.177	0					2.50
55.500	0.00	0.04	0.176	0					2.50
55.583	0.00	0.04	0.176	0					2.50
55.667	0.00	0.04	0.176	0					2.49
55.750	0.00	0.04	0.176	0					2.49
55.833	0.00	0.04	0.175	0					2.49
55.917	0.00	0.04	0.175	0					2.48
56.000	0.00	0.04	0.175	0					2.48

56.083	0.00	0.04	0.174	0					2.48
56.167	0.00	0.04	0.174	0					2.47
56.250	0.00	0.04	0.174	0					2.47
56.333	0.00	0.04	0.173	0					2.47
56.417	0.00	0.04	0.173	0					2.47
56.500	0.00	0.04	0.173	0					2.46
56.583	0.00	0.04	0.173	0					2.46
56.667	0.00	0.04	0.172	0					2.46
56.750	0.00	0.04	0.172	0					2.45
56.833	0.00	0.04	0.172	0					2.45
56.917	0.00	0.04	0.171	0					2.45
57.000	0.00	0.04	0.171	0					2.44
57.083	0.00	0.04	0.171	0					2.44
57.167	0.00	0.04	0.171	0					2.44
57.250	0.00	0.04	0.170	0					2.43
57.333	0.00	0.04	0.170	0					2.43
57.417	0.00	0.04	0.170	0					2.43
57.500	0.00	0.04	0.169	0					2.42
57.583	0.00	0.04	0.169	0					2.42
57.667	0.00	0.04	0.169	0					2.42
57.750	0.00	0.04	0.168	0					2.42
57.833	0.00	0.04	0.168	0					2.41
57.917	0.00	0.04	0.168	0					2.41
58.000	0.00	0.04	0.168	0					2.41
58.083	0.00	0.04	0.167	0					2.40
58.167	0.00	0.04	0.167	0					2.40
58.250	0.00	0.04	0.167	0					2.40
58.333	0.00	0.04	0.166	0					2.39
58.417	0.00	0.04	0.166	0					2.39
58.500	0.00	0.04	0.166	0					2.39
58.583	0.00	0.04	0.166	0					2.38
58.667	0.00	0.04	0.165	0					2.38
58.750	0.00	0.04	0.165	0					2.38
58.833	0.00	0.04	0.165	0					2.38
58.917	0.00	0.04	0.164	0					2.37
59.000	0.00	0.04	0.164	0					2.37
59.083	0.00	0.04	0.164	0					2.37
59.167	0.00	0.04	0.163	0					2.36
59.250	0.00	0.04	0.163	0					2.36
59.333	0.00	0.04	0.163	0					2.36
59.417	0.00	0.04	0.163	0					2.35
59.500	0.00	0.04	0.162	0					2.35
59.583	0.00	0.04	0.162	0					2.35
59.667	0.00	0.04	0.162	0					2.34
59.750	0.00	0.04	0.161	0					2.34
59.833	0.00	0.04	0.161	0					2.34
59.917	0.00	0.04	0.161	0					2.34
60.000	0.00	0.04	0.161	0					2.33
60.083	0.00	0.04	0.160	0					2.33
60.167	0.00	0.04	0.160	0					2.33

60.250	0.00	0.04	0.160	0					2.32
60.333	0.00	0.04	0.159	0					2.32
60.417	0.00	0.04	0.159	0					2.32
60.500	0.00	0.04	0.159	0					2.31
60.583	0.00	0.04	0.159	0					2.31
60.667	0.00	0.04	0.158	0					2.31
60.750	0.00	0.04	0.158	0					2.31
60.833	0.00	0.04	0.158	0					2.30
60.917	0.00	0.04	0.157	0					2.30
61.000	0.00	0.04	0.157	0					2.30
61.083	0.00	0.04	0.157	0					2.29
61.167	0.00	0.04	0.157	0					2.29
61.250	0.00	0.04	0.156	0					2.29
61.333	0.00	0.04	0.156	0					2.28
61.417	0.00	0.04	0.156	0					2.28
61.500	0.00	0.04	0.155	0					2.28
61.583	0.00	0.04	0.155	0					2.27
61.667	0.00	0.04	0.155	0					2.27
61.750	0.00	0.04	0.155	0					2.27
61.833	0.00	0.04	0.154	0					2.27
61.917	0.00	0.04	0.154	0					2.26
62.000	0.00	0.04	0.154	0					2.26
62.083	0.00	0.04	0.153	0					2.26
62.167	0.00	0.04	0.153	0					2.25
62.250	0.00	0.04	0.153	0					2.25
62.333	0.00	0.04	0.153	0					2.25
62.417	0.00	0.04	0.152	0					2.24
62.500	0.00	0.04	0.152	0					2.24
62.583	0.00	0.04	0.152	0					2.24
62.667	0.00	0.04	0.151	0					2.24
62.750	0.00	0.04	0.151	0					2.23
62.833	0.00	0.04	0.151	0					2.23
62.917	0.00	0.04	0.151	0					2.23
63.000	0.00	0.04	0.150	0					2.22
63.083	0.00	0.04	0.150	0					2.22
63.167	0.00	0.04	0.150	0					2.22
63.250	0.00	0.04	0.149	0					2.22
63.333	0.00	0.04	0.149	0					2.21
63.417	0.00	0.04	0.149	0					2.21
63.500	0.00	0.04	0.149	0					2.21
63.583	0.00	0.04	0.148	0					2.20
63.667	0.00	0.04	0.148	0					2.20
63.750	0.00	0.04	0.148	0					2.20
63.833	0.00	0.04	0.147	0					2.19
63.917	0.00	0.04	0.147	0					2.19
64.000	0.00	0.04	0.147	0					2.19
64.083	0.00	0.04	0.147	0					2.19
64.167	0.00	0.04	0.146	0					2.18
64.250	0.00	0.04	0.146	0					2.18
64.333	0.00	0.04	0.146	0					2.18

64.417	0.00	0.04	0.146	0					2.17
64.500	0.00	0.04	0.145	0					2.17
64.583	0.00	0.04	0.145	0					2.17
64.667	0.00	0.04	0.145	0					2.17
64.750	0.00	0.04	0.144	0					2.16
64.833	0.00	0.04	0.144	0					2.16
64.917	0.00	0.04	0.144	0					2.16
65.000	0.00	0.04	0.144	0					2.15
65.083	0.00	0.04	0.143	0					2.15
65.167	0.00	0.04	0.143	0					2.15
65.250	0.00	0.04	0.143	0					2.14
65.333	0.00	0.04	0.142	0					2.14
65.417	0.00	0.04	0.142	0					2.14
65.500	0.00	0.04	0.142	0					2.14
65.583	0.00	0.04	0.142	0					2.13
65.667	0.00	0.04	0.141	0					2.13
65.750	0.00	0.04	0.141	0					2.13
65.833	0.00	0.04	0.141	0					2.12
65.917	0.00	0.04	0.141	0					2.12
66.000	0.00	0.04	0.140	0					2.12
66.083	0.00	0.04	0.140	0					2.12
66.167	0.00	0.04	0.140	0					2.11
66.250	0.00	0.04	0.139	0					2.11
66.333	0.00	0.04	0.139	0					2.11
66.417	0.00	0.04	0.139	0					2.10
66.500	0.00	0.04	0.139	0					2.10
66.583	0.00	0.04	0.138	0					2.10
66.667	0.00	0.04	0.138	0					2.10
66.750	0.00	0.04	0.138	0					2.09
66.833	0.00	0.04	0.137	0					2.09
66.917	0.00	0.04	0.137	0					2.09
67.000	0.00	0.04	0.137	0					2.08
67.083	0.00	0.04	0.137	0					2.08
67.167	0.00	0.04	0.136	0					2.08
67.250	0.00	0.04	0.136	0					2.07
67.333	0.00	0.04	0.136	0					2.07
67.417	0.00	0.04	0.136	0					2.07
67.500	0.00	0.04	0.135	0					2.07
67.583	0.00	0.04	0.135	0					2.06
67.667	0.00	0.04	0.135	0					2.06
67.750	0.00	0.04	0.134	0					2.06
67.833	0.00	0.04	0.134	0					2.05
67.917	0.00	0.04	0.134	0					2.05
68.000	0.00	0.04	0.134	0					2.05
68.083	0.00	0.04	0.133	0					2.05
68.167	0.00	0.04	0.133	0					2.04
68.250	0.00	0.04	0.133	0					2.04
68.333	0.00	0.04	0.133	0					2.04
68.417	0.00	0.04	0.132	0					2.03
68.500	0.00	0.04	0.132	0					2.03

68.583	0.00	0.04	0.132	0					2.03
68.667	0.00	0.04	0.132	0					2.03
68.750	0.00	0.04	0.131	0					2.02
68.833	0.00	0.04	0.131	0					2.02
68.917	0.00	0.04	0.131	0					2.02
69.000	0.00	0.04	0.130	0					2.01
69.083	0.00	0.04	0.130	0					2.01
69.167	0.00	0.04	0.130	0					2.01
69.250	0.00	0.04	0.130	0					2.01
69.333	0.00	0.04	0.129	0					2.00
69.417	0.00	0.04	0.129	0					2.00
69.500	0.00	0.04	0.129	0					2.00
69.583	0.00	0.04	0.129	0					1.99
69.667	0.00	0.04	0.128	0					1.99
69.750	0.00	0.04	0.128	0					1.99
69.833	0.00	0.04	0.128	0					1.98
69.917	0.00	0.04	0.127	0					1.98
70.000	0.00	0.04	0.127	0					1.98
70.083	0.00	0.04	0.127	0					1.97
70.167	0.00	0.04	0.127	0					1.97
70.250	0.00	0.04	0.126	0					1.97
70.333	0.00	0.04	0.126	0					1.96
70.417	0.00	0.04	0.126	0					1.96
70.500	0.00	0.04	0.126	0					1.96
70.583	0.00	0.04	0.125	0					1.95
70.667	0.00	0.04	0.125	0					1.95
70.750	0.00	0.04	0.125	0					1.95
70.833	0.00	0.04	0.125	0					1.94
70.917	0.00	0.04	0.124	0					1.94
71.000	0.00	0.04	0.124	0					1.94
71.083	0.00	0.04	0.124	0					1.93
71.167	0.00	0.04	0.123	0					1.93
71.250	0.00	0.04	0.123	0					1.93
71.333	0.00	0.04	0.123	0					1.92
71.417	0.00	0.04	0.123	0					1.92
71.500	0.00	0.04	0.122	0					1.92
71.583	0.00	0.04	0.122	0					1.91
71.667	0.00	0.04	0.122	0					1.91
71.750	0.00	0.04	0.122	0					1.91
71.833	0.00	0.04	0.121	0					1.90
71.917	0.00	0.04	0.121	0					1.90
72.000	0.00	0.04	0.121	0					1.90
72.083	0.00	0.04	0.121	0					1.90
72.167	0.00	0.04	0.120	0					1.89
72.250	0.00	0.04	0.120	0					1.89
72.333	0.00	0.04	0.120	0					1.89
72.417	0.00	0.04	0.120	0					1.88
72.500	0.00	0.04	0.119	0					1.88
72.583	0.00	0.04	0.119	0					1.88
72.667	0.00	0.04	0.119	0					1.87

72.750	0.00	0.04	0.119	0					1.87
72.833	0.00	0.04	0.118	0					1.87
72.917	0.00	0.04	0.118	0					1.86
73.000	0.00	0.04	0.118	0					1.86
73.083	0.00	0.04	0.117	0					1.86
73.167	0.00	0.04	0.117	0					1.85
73.250	0.00	0.04	0.117	0					1.85
73.333	0.00	0.04	0.117	0					1.85
73.417	0.00	0.04	0.116	0					1.84
73.500	0.00	0.04	0.116	0					1.84
73.583	0.00	0.04	0.116	0					1.84
73.667	0.00	0.04	0.116	0					1.83
73.750	0.00	0.04	0.115	0					1.83
73.833	0.00	0.04	0.115	0					1.83
73.917	0.00	0.04	0.115	0					1.82
74.000	0.00	0.04	0.115	0					1.82
74.083	0.00	0.04	0.114	0					1.82
74.167	0.00	0.04	0.114	0					1.81
74.250	0.00	0.04	0.114	0					1.81
74.333	0.00	0.04	0.114	0					1.81
74.417	0.00	0.04	0.113	0					1.81
74.500	0.00	0.04	0.113	0					1.80
74.583	0.00	0.04	0.113	0					1.80
74.667	0.00	0.04	0.113	0					1.80
74.750	0.00	0.04	0.112	0					1.79
74.833	0.00	0.04	0.112	0					1.79
74.917	0.00	0.04	0.112	0					1.79
75.000	0.00	0.04	0.112	0					1.78
75.083	0.00	0.04	0.111	0					1.78
75.167	0.00	0.04	0.111	0					1.78
75.250	0.00	0.04	0.111	0					1.77
75.333	0.00	0.04	0.111	0					1.77
75.417	0.00	0.04	0.110	0					1.77
75.500	0.00	0.04	0.110	0					1.76
75.583	0.00	0.04	0.110	0					1.76
75.667	0.00	0.04	0.110	0					1.76
75.750	0.00	0.04	0.109	0					1.75
75.833	0.00	0.04	0.109	0					1.75
75.917	0.00	0.04	0.109	0					1.75
76.000	0.00	0.04	0.109	0					1.75
76.083	0.00	0.04	0.108	0					1.74
76.167	0.00	0.04	0.108	0					1.74
76.250	0.00	0.04	0.108	0					1.74
76.333	0.00	0.04	0.108	0					1.73
76.417	0.00	0.04	0.107	0					1.73
76.500	0.00	0.04	0.107	0					1.73
76.583	0.00	0.04	0.107	0					1.72
76.667	0.00	0.04	0.107	0					1.72
76.750	0.00	0.04	0.106	0					1.72
76.833	0.00	0.04	0.106	0					1.71

76.917	0.00	0.04	0.106	0					1.71
77.000	0.00	0.04	0.106	0					1.71
77.083	0.00	0.04	0.105	0					1.71
77.167	0.00	0.04	0.105	0					1.70
77.250	0.00	0.04	0.105	0					1.70
77.333	0.00	0.04	0.105	0					1.70
77.417	0.00	0.04	0.104	0					1.69
77.500	0.00	0.04	0.104	0					1.69
77.583	0.00	0.04	0.104	0					1.69
77.667	0.00	0.04	0.104	0					1.68
77.750	0.00	0.04	0.103	0					1.68
77.833	0.00	0.04	0.103	0					1.68
77.917	0.00	0.04	0.103	0					1.67
78.000	0.00	0.04	0.103	0					1.67
78.083	0.00	0.04	0.102	0					1.67
78.167	0.00	0.04	0.102	0					1.67
78.250	0.00	0.04	0.102	0					1.66
78.333	0.00	0.04	0.102	0					1.66
78.417	0.00	0.04	0.101	0					1.66
78.500	0.00	0.04	0.101	0					1.65
78.583	0.00	0.04	0.101	0					1.65
78.667	0.00	0.04	0.101	0					1.65
78.750	0.00	0.04	0.101	0					1.64
78.833	0.00	0.04	0.100	0					1.64
78.917	0.00	0.04	0.100	0					1.64
79.000	0.00	0.03	0.100	0					1.64
79.083	0.00	0.03	0.100	0					1.63
79.167	0.00	0.03	0.099	0					1.63
79.250	0.00	0.03	0.099	0					1.63
79.333	0.00	0.03	0.099	0					1.62
79.417	0.00	0.03	0.099	0					1.62
79.500	0.00	0.03	0.098	0					1.62
79.583	0.00	0.03	0.098	0					1.61
79.667	0.00	0.03	0.098	0					1.61
79.750	0.00	0.03	0.098	0					1.61
79.833	0.00	0.03	0.097	0					1.61
79.917	0.00	0.03	0.097	0					1.60
80.000	0.00	0.03	0.097	0					1.60
80.083	0.00	0.03	0.097	0					1.60
80.167	0.00	0.03	0.096	0					1.59
80.250	0.00	0.03	0.096	0					1.59
80.333	0.00	0.03	0.096	0					1.59
80.417	0.00	0.03	0.096	0					1.58
80.500	0.00	0.03	0.096	0					1.58
80.583	0.00	0.03	0.095	0					1.58
80.667	0.00	0.03	0.095	0					1.58
80.750	0.00	0.03	0.095	0					1.57
80.833	0.00	0.03	0.095	0					1.57
80.917	0.00	0.03	0.094	0					1.57
81.000	0.00	0.03	0.094	0					1.56

81.083	0.00	0.03	0.094	0					1.56
81.167	0.00	0.03	0.094	0					1.56
81.250	0.00	0.03	0.093	0					1.55
81.333	0.00	0.03	0.093	0					1.55
81.417	0.00	0.03	0.093	0					1.55
81.500	0.00	0.03	0.093	0					1.55
81.583	0.00	0.03	0.092	0					1.54
81.667	0.00	0.03	0.092	0					1.54
81.750	0.00	0.03	0.092	0					1.54
81.833	0.00	0.03	0.092	0					1.53
81.917	0.00	0.03	0.092	0					1.53
82.000	0.00	0.03	0.091	0					1.53
82.083	0.00	0.03	0.091	0					1.53
82.167	0.00	0.03	0.091	0					1.52
82.250	0.00	0.03	0.091	0					1.52
82.333	0.00	0.03	0.090	0					1.52
82.417	0.00	0.03	0.090	0					1.51
82.500	0.00	0.03	0.090	0					1.51
82.583	0.00	0.03	0.090	0					1.51
82.667	0.00	0.03	0.089	0					1.51
82.750	0.00	0.03	0.089	0					1.50
82.833	0.00	0.03	0.089	0					1.50
82.917	0.00	0.03	0.089	0					1.50
83.000	0.00	0.03	0.088	0					1.49
83.083	0.00	0.03	0.088	0					1.49
83.167	0.00	0.03	0.088	0					1.49
83.250	0.00	0.03	0.088	0					1.49
83.333	0.00	0.03	0.088	0					1.48
83.417	0.00	0.03	0.087	0					1.48
83.500	0.00	0.03	0.087	0					1.48
83.583	0.00	0.03	0.087	0					1.47
83.667	0.00	0.03	0.087	0					1.47
83.750	0.00	0.03	0.086	0					1.47
83.833	0.00	0.03	0.086	0					1.47
83.917	0.00	0.03	0.086	0					1.46
84.000	0.00	0.03	0.086	0					1.46
84.083	0.00	0.03	0.086	0					1.46
84.167	0.00	0.03	0.085	0					1.45
84.250	0.00	0.03	0.085	0					1.45
84.333	0.00	0.03	0.085	0					1.45
84.417	0.00	0.03	0.085	0					1.45
84.500	0.00	0.03	0.084	0					1.44
84.583	0.00	0.03	0.084	0					1.44
84.667	0.00	0.03	0.084	0					1.44
84.750	0.00	0.03	0.084	0					1.43
84.833	0.00	0.03	0.083	0					1.43
84.917	0.00	0.03	0.083	0					1.43
85.000	0.00	0.03	0.083	0					1.43
85.083	0.00	0.03	0.083	0					1.42
85.167	0.00	0.03	0.083	0					1.42

85.250	0.00	0.03	0.082	0					1.42
85.333	0.00	0.03	0.082	0					1.41
85.417	0.00	0.03	0.082	0					1.41
85.500	0.00	0.03	0.082	0					1.41
85.583	0.00	0.03	0.081	0					1.41
85.667	0.00	0.03	0.081	0					1.40
85.750	0.00	0.03	0.081	0					1.40
85.833	0.00	0.03	0.081	0					1.40
85.917	0.00	0.03	0.081	0					1.39
86.000	0.00	0.03	0.080	0					1.39
86.083	0.00	0.03	0.080	0					1.39
86.167	0.00	0.03	0.080	0					1.39
86.250	0.00	0.03	0.080	0					1.38
86.333	0.00	0.03	0.079	0					1.38
86.417	0.00	0.03	0.079	0					1.38
86.500	0.00	0.03	0.079	0					1.38
86.583	0.00	0.03	0.079	0					1.37
86.667	0.00	0.03	0.079	0					1.37
86.750	0.00	0.03	0.078	0					1.37
86.833	0.00	0.03	0.078	0					1.36
86.917	0.00	0.03	0.078	0					1.36
87.000	0.00	0.03	0.078	0					1.36
87.083	0.00	0.03	0.077	0					1.36
87.167	0.00	0.03	0.077	0					1.35
87.250	0.00	0.03	0.077	0					1.35
87.333	0.00	0.03	0.077	0					1.35
87.417	0.00	0.03	0.077	0					1.34
87.500	0.00	0.03	0.076	0					1.34
87.583	0.00	0.03	0.076	0					1.34
87.667	0.00	0.03	0.076	0					1.34
87.750	0.00	0.03	0.076	0					1.33
87.833	0.00	0.03	0.076	0					1.33
87.917	0.00	0.03	0.075	0					1.33
88.000	0.00	0.03	0.075	0					1.33
88.083	0.00	0.03	0.075	0					1.32
88.167	0.00	0.03	0.075	0					1.32
88.250	0.00	0.03	0.074	0					1.32
88.333	0.00	0.03	0.074	0					1.31
88.417	0.00	0.03	0.074	0					1.31
88.500	0.00	0.03	0.074	0					1.31
88.583	0.00	0.03	0.074	0					1.31
88.667	0.00	0.03	0.073	0					1.30
88.750	0.00	0.03	0.073	0					1.30
88.833	0.00	0.03	0.073	0					1.30
88.917	0.00	0.03	0.073	0					1.30
89.000	0.00	0.03	0.072	0					1.29
89.083	0.00	0.03	0.072	0					1.29
89.167	0.00	0.03	0.072	0					1.29
89.250	0.00	0.03	0.072	0					1.29
89.333	0.00	0.03	0.072	0					1.28

89.417	0.00	0.03	0.071	0					1.28
89.500	0.00	0.03	0.071	0					1.28
89.583	0.00	0.03	0.071	0					1.27
89.667	0.00	0.03	0.071	0					1.27
89.750	0.00	0.03	0.071	0					1.27
89.833	0.00	0.03	0.070	0					1.27
89.917	0.00	0.03	0.070	0					1.26
90.000	0.00	0.03	0.070	0					1.26
90.083	0.00	0.03	0.070	0					1.26
90.167	0.00	0.03	0.069	0					1.26
90.250	0.00	0.03	0.069	0					1.25
90.333	0.00	0.03	0.069	0					1.25
90.417	0.00	0.03	0.069	0					1.25
90.500	0.00	0.03	0.069	0					1.25
90.583	0.00	0.03	0.068	0					1.24
90.667	0.00	0.03	0.068	0					1.24
90.750	0.00	0.03	0.068	0					1.24
90.833	0.00	0.03	0.068	0					1.23
90.917	0.00	0.03	0.068	0					1.23
91.000	0.00	0.03	0.067	0					1.23
91.083	0.00	0.03	0.067	0					1.23
91.167	0.00	0.03	0.067	0					1.22
91.250	0.00	0.03	0.067	0					1.22
91.333	0.00	0.03	0.067	0					1.22
91.417	0.00	0.03	0.066	0					1.22
91.500	0.00	0.03	0.066	0					1.21
91.583	0.00	0.03	0.066	0					1.21
91.667	0.00	0.03	0.066	0					1.21
91.750	0.00	0.03	0.065	0					1.21
91.833	0.00	0.03	0.065	0					1.20
91.917	0.00	0.03	0.065	0					1.20
92.000	0.00	0.03	0.065	0					1.20
92.083	0.00	0.03	0.065	0					1.20
92.167	0.00	0.03	0.064	0					1.19
92.250	0.00	0.03	0.064	0					1.19
92.333	0.00	0.03	0.064	0					1.19
92.417	0.00	0.03	0.064	0					1.19
92.500	0.00	0.03	0.064	0					1.18
92.583	0.00	0.03	0.063	0					1.18
92.667	0.00	0.03	0.063	0					1.18
92.750	0.00	0.03	0.063	0					1.17
92.833	0.00	0.03	0.063	0					1.17
92.917	0.00	0.03	0.063	0					1.17
93.000	0.00	0.03	0.062	0					1.17
93.083	0.00	0.03	0.062	0					1.16
93.167	0.00	0.03	0.062	0					1.16
93.250	0.00	0.03	0.062	0					1.16
93.333	0.00	0.03	0.062	0					1.16
93.417	0.00	0.03	0.061	0					1.15
93.500	0.00	0.03	0.061	0					1.15

93.583	0.00	0.03	0.061	0					1.15
93.667	0.00	0.03	0.061	0					1.15
93.750	0.00	0.03	0.061	0					1.14
93.833	0.00	0.03	0.060	0					1.14
93.917	0.00	0.03	0.060	0					1.14
94.000	0.00	0.03	0.060	0					1.14
94.083	0.00	0.03	0.060	0					1.13
94.167	0.00	0.03	0.060	0					1.13
94.250	0.00	0.03	0.059	0					1.13
94.333	0.00	0.03	0.059	0					1.13
94.417	0.00	0.03	0.059	0					1.12
94.500	0.00	0.03	0.059	0					1.12
94.583	0.00	0.03	0.059	0					1.12
94.667	0.00	0.03	0.058	0					1.12
94.750	0.00	0.03	0.058	0					1.11
94.833	0.00	0.03	0.058	0					1.11
94.917	0.00	0.03	0.058	0					1.11
95.000	0.00	0.03	0.058	0					1.11
95.083	0.00	0.03	0.057	0					1.10
95.167	0.00	0.03	0.057	0					1.10
95.250	0.00	0.03	0.057	0					1.10
95.333	0.00	0.03	0.057	0					1.10
95.417	0.00	0.03	0.056	0					1.09
95.500	0.00	0.03	0.056	0					1.09
95.583	0.00	0.03	0.056	0					1.09
95.667	0.00	0.03	0.056	0					1.09
95.750	0.00	0.03	0.056	0					1.08
95.833	0.00	0.03	0.056	0					1.08
95.917	0.00	0.03	0.055	0					1.08
96.000	0.00	0.03	0.055	0					1.08
96.083	0.00	0.03	0.055	0					1.07
96.167	0.00	0.03	0.055	0					1.07
96.250	0.00	0.03	0.055	0					1.07
96.333	0.00	0.03	0.054	0					1.07
96.417	0.00	0.03	0.054	0					1.06
96.500	0.00	0.03	0.054	0					1.06
96.583	0.00	0.03	0.054	0					1.06
96.667	0.00	0.03	0.054	0					1.06
96.750	0.00	0.03	0.053	0					1.05
96.833	0.00	0.03	0.053	0					1.05
96.917	0.00	0.03	0.053	0					1.05
97.000	0.00	0.03	0.053	0					1.05
97.083	0.00	0.03	0.053	0					1.04
97.167	0.00	0.03	0.052	0					1.04
97.250	0.00	0.03	0.052	0					1.04
97.333	0.00	0.03	0.052	0					1.04
97.417	0.00	0.03	0.052	0					1.03
97.500	0.00	0.03	0.052	0					1.03
97.583	0.00	0.03	0.051	0					1.03
97.667	0.00	0.03	0.051	0					1.03

97.750	0.00	0.03	0.051	0					1.02
97.833	0.00	0.03	0.051	0					1.02
97.917	0.00	0.03	0.051	0					1.02
98.000	0.00	0.03	0.050	0					1.02
98.083	0.00	0.03	0.050	0					1.01
98.167	0.00	0.03	0.050	0					1.01
98.250	0.00	0.03	0.050	0					1.01
98.333	0.00	0.03	0.050	0					1.01
98.417	0.00	0.03	0.049	0					1.01
98.500	0.00	0.03	0.049	0					1.00
98.583	0.00	0.03	0.049	0					1.00
98.667	0.00	0.03	0.049	0					1.00
98.750	0.00	0.03	0.049	0					0.99
98.833	0.00	0.03	0.048	0					0.99
98.917	0.00	0.03	0.048	0					0.99
99.000	0.00	0.03	0.048	0					0.98
99.083	0.00	0.03	0.048	0					0.98
99.167	0.00	0.03	0.048	0					0.98
99.250	0.00	0.03	0.048	0					0.97
99.333	0.00	0.03	0.047	0					0.97
99.417	0.00	0.03	0.047	0					0.96
99.500	0.00	0.03	0.047	0					0.96
99.583	0.00	0.03	0.047	0					0.96
99.667	0.00	0.03	0.047	0					0.95
99.750	0.00	0.03	0.046	0					0.95
99.833	0.00	0.03	0.046	0					0.95
99.917	0.00	0.03	0.046	0					0.94
100.000	0.00	0.03	0.046	0					0.94
100.083	0.00	0.03	0.046	0					0.94
100.167	0.00	0.03	0.045	0					0.93
100.250	0.00	0.03	0.045	0					0.93
100.333	0.00	0.03	0.045	0					0.93
100.417	0.00	0.03	0.045	0					0.92
100.500	0.00	0.03	0.045	0					0.92
100.583	0.00	0.03	0.045	0					0.92
100.667	0.00	0.03	0.044	0					0.91
100.750	0.00	0.03	0.044	0					0.91
100.833	0.00	0.03	0.044	0					0.91
100.917	0.00	0.03	0.044	0					0.90
101.000	0.00	0.03	0.044	0					0.90
101.083	0.00	0.03	0.044	0					0.90
101.167	0.00	0.03	0.043	0					0.89
101.250	0.00	0.03	0.043	0					0.89
101.333	0.00	0.03	0.043	0					0.89
101.417	0.00	0.03	0.043	0					0.88
101.500	0.00	0.03	0.043	0					0.88
101.583	0.00	0.02	0.042	0					0.88
101.667	0.00	0.02	0.042	0					0.87
101.750	0.00	0.02	0.042	0					0.87
101.833	0.00	0.02	0.042	0					0.87

101.917	0.00	0.02	0.042	0					0.86
102.000	0.00	0.02	0.042	0					0.86
102.083	0.00	0.02	0.041	0					0.86
102.167	0.00	0.02	0.041	0					0.85
102.250	0.00	0.02	0.041	0					0.85
102.333	0.00	0.02	0.041	0					0.85
102.417	0.00	0.02	0.041	0					0.84
102.500	0.00	0.02	0.041	0					0.84
102.583	0.00	0.02	0.040	0					0.84
102.667	0.00	0.02	0.040	0					0.83
102.750	0.00	0.02	0.040	0					0.83
102.833	0.00	0.02	0.040	0					0.83
102.917	0.00	0.02	0.040	0					0.82
103.000	0.00	0.02	0.040	0					0.82
103.083	0.00	0.02	0.039	0					0.82
103.167	0.00	0.02	0.039	0					0.81
103.250	0.00	0.02	0.039	0					0.81
103.333	0.00	0.02	0.039	0					0.81
103.417	0.00	0.02	0.039	0					0.81
103.500	0.00	0.02	0.039	0					0.80
103.583	0.00	0.02	0.039	0					0.80
103.667	0.00	0.02	0.038	0					0.80
103.750	0.00	0.02	0.038	0					0.79
103.833	0.00	0.02	0.038	0					0.79
103.917	0.00	0.02	0.038	0					0.79
104.000	0.00	0.02	0.038	0					0.78
104.083	0.00	0.02	0.038	0					0.78
104.167	0.00	0.02	0.037	0					0.78
104.250	0.00	0.02	0.037	0					0.78
104.333	0.00	0.02	0.037	0					0.77
104.417	0.00	0.02	0.037	0					0.77
104.500	0.00	0.02	0.037	0					0.77
104.583	0.00	0.02	0.037	0					0.76
104.667	0.00	0.02	0.036	0					0.76
104.750	0.00	0.02	0.036	0					0.76
104.833	0.00	0.02	0.036	0					0.75
104.917	0.00	0.02	0.036	0					0.75
105.000	0.00	0.02	0.036	0					0.75
105.083	0.00	0.02	0.036	0					0.75
105.167	0.00	0.02	0.036	0					0.74
105.250	0.00	0.02	0.035	0					0.74
105.333	0.00	0.02	0.035	0					0.74
105.417	0.00	0.02	0.035	0					0.73
105.500	0.00	0.02	0.035	0					0.73
105.583	0.00	0.02	0.035	0					0.73
105.667	0.00	0.02	0.035	0					0.73
105.750	0.00	0.02	0.035	0					0.72
105.833	0.00	0.02	0.034	0					0.72
105.917	0.00	0.02	0.034	0					0.72
106.000	0.00	0.02	0.034	0					0.71

106.083	0.00	0.02	0.034	0					0.71
106.167	0.00	0.02	0.034	0					0.71
106.250	0.00	0.02	0.034	0					0.71
106.333	0.00	0.02	0.034	0					0.70
106.417	0.00	0.02	0.033	0					0.70
106.500	0.00	0.02	0.033	0					0.70
106.583	0.00	0.02	0.033	0					0.70
106.667	0.00	0.02	0.033	0					0.69
106.750	0.00	0.02	0.033	0					0.69
106.833	0.00	0.02	0.033	0					0.69
106.917	0.00	0.02	0.033	0					0.68
107.000	0.00	0.02	0.032	0					0.68
107.083	0.00	0.02	0.032	0					0.68
107.167	0.00	0.02	0.032	0					0.68
107.250	0.00	0.02	0.032	0					0.67
107.333	0.00	0.02	0.032	0					0.67
107.417	0.00	0.02	0.032	0					0.67
107.500	0.00	0.02	0.032	0					0.67
107.583	0.00	0.02	0.031	0					0.66
107.667	0.00	0.02	0.031	0					0.66
107.750	0.00	0.02	0.031	0					0.66
107.833	0.00	0.02	0.031	0					0.66
107.917	0.00	0.02	0.031	0					0.65
108.000	0.00	0.02	0.031	0					0.65
108.083	0.00	0.02	0.031	0					0.65
108.167	0.00	0.02	0.030	0					0.65
108.250	0.00	0.02	0.030	0					0.64
108.333	0.00	0.02	0.030	0					0.64
108.417	0.00	0.02	0.030	0					0.64
108.500	0.00	0.02	0.030	0					0.64
108.583	0.00	0.02	0.030	0					0.63
108.667	0.00	0.02	0.030	0					0.63
108.750	0.00	0.02	0.030	0					0.63
108.833	0.00	0.02	0.029	0					0.63
108.917	0.00	0.02	0.029	0					0.62
109.000	0.00	0.02	0.029	0					0.62
109.083	0.00	0.02	0.029	0					0.62
109.167	0.00	0.02	0.029	0					0.62
109.250	0.00	0.02	0.029	0					0.61
109.333	0.00	0.02	0.029	0					0.61
109.417	0.00	0.02	0.029	0					0.61
109.500	0.00	0.02	0.028	0					0.61
109.583	0.00	0.02	0.028	0					0.60
109.667	0.00	0.02	0.028	0					0.60
109.750	0.00	0.02	0.028	0					0.60
109.833	0.00	0.02	0.028	0					0.60
109.917	0.00	0.02	0.028	0					0.59
110.000	0.00	0.02	0.028	0					0.59
110.083	0.00	0.02	0.028	0					0.59
110.167	0.00	0.02	0.027	0					0.59

110.250	0.00	0.02	0.027	0					0.58
110.333	0.00	0.02	0.027	0					0.58
110.417	0.00	0.02	0.027	0					0.58
110.500	0.00	0.02	0.027	0					0.58
110.583	0.00	0.02	0.027	0					0.58
110.667	0.00	0.02	0.027	0					0.57
110.750	0.00	0.02	0.027	0					0.57
110.833	0.00	0.02	0.026	0					0.57
110.917	0.00	0.02	0.026	0					0.57
111.000	0.00	0.02	0.026	0					0.56
111.083	0.00	0.02	0.026	0					0.56
111.167	0.00	0.02	0.026	0					0.56
111.250	0.00	0.02	0.026	0					0.56
111.333	0.00	0.02	0.026	0					0.55
111.417	0.00	0.02	0.026	0					0.55
111.500	0.00	0.02	0.025	0					0.55
111.583	0.00	0.02	0.025	0					0.55
111.667	0.00	0.02	0.025	0					0.55
111.750	0.00	0.02	0.025	0					0.54
111.833	0.00	0.02	0.025	0					0.54
111.917	0.00	0.02	0.025	0					0.54
112.000	0.00	0.02	0.025	0					0.54
112.083	0.00	0.02	0.025	0					0.53
112.167	0.00	0.02	0.025	0					0.53
112.250	0.00	0.02	0.024	0					0.53
112.333	0.00	0.02	0.024	0					0.53
112.417	0.00	0.02	0.024	0					0.53
112.500	0.00	0.02	0.024	0					0.52
112.583	0.00	0.02	0.024	0					0.52
112.667	0.00	0.02	0.024	0					0.52
112.750	0.00	0.02	0.024	0					0.52
112.833	0.00	0.02	0.024	0					0.51
112.917	0.00	0.02	0.024	0					0.51
113.000	0.00	0.02	0.023	0					0.51
113.083	0.00	0.02	0.023	0					0.51
113.167	0.00	0.02	0.023	0					0.51
113.250	0.00	0.02	0.023	0					0.50
113.333	0.00	0.02	0.023	0					0.50
113.417	0.00	0.02	0.023	0					0.50
113.500	0.00	0.02	0.023	0					0.50
113.583	0.00	0.02	0.023	0					0.50
113.667	0.00	0.02	0.023	0					0.49
113.750	0.00	0.02	0.022	0					0.49
113.833	0.00	0.02	0.022	0					0.49
113.917	0.00	0.02	0.022	0					0.49
114.000	0.00	0.02	0.022	0					0.49
114.083	0.00	0.02	0.022	0					0.48
114.167	0.00	0.02	0.022	0					0.48
114.250	0.00	0.02	0.022	0					0.48
114.333	0.00	0.02	0.022	0					0.48

114.417	0.00	0.02	0.022	0					0.48
114.500	0.00	0.02	0.022	0					0.47
114.583	0.00	0.02	0.021	0					0.47
114.667	0.00	0.02	0.021	0					0.47
114.750	0.00	0.01	0.021	0					0.47
114.833	0.00	0.01	0.021	0					0.47
114.917	0.00	0.01	0.021	0					0.46
115.000	0.00	0.01	0.021	0					0.46
115.083	0.00	0.01	0.021	0					0.46
115.167	0.00	0.01	0.021	0					0.46
115.250	0.00	0.01	0.021	0					0.46
115.333	0.00	0.01	0.020	0					0.45
115.417	0.00	0.01	0.020	0					0.45
115.500	0.00	0.01	0.020	0					0.45
115.583	0.00	0.01	0.020	0					0.45
115.667	0.00	0.01	0.020	0					0.45
115.750	0.00	0.01	0.020	0					0.44
115.833	0.00	0.01	0.020	0					0.44
115.917	0.00	0.01	0.020	0					0.44
116.000	0.00	0.01	0.020	0					0.44
116.083	0.00	0.01	0.020	0					0.44
116.167	0.00	0.01	0.019	0					0.44
116.250	0.00	0.01	0.019	0					0.43
116.333	0.00	0.01	0.019	0					0.43
116.417	0.00	0.01	0.019	0					0.43
116.500	0.00	0.01	0.019	0					0.43
116.583	0.00	0.01	0.019	0					0.43
116.667	0.00	0.01	0.019	0					0.42
116.750	0.00	0.01	0.019	0					0.42
116.833	0.00	0.01	0.019	0					0.42
116.917	0.00	0.01	0.019	0					0.42
117.000	0.00	0.01	0.019	0					0.42
117.083	0.00	0.01	0.018	0					0.41
117.167	0.00	0.01	0.018	0					0.41
117.250	0.00	0.01	0.018	0					0.41
117.333	0.00	0.01	0.018	0					0.41
117.417	0.00	0.01	0.018	0					0.41
117.500	0.00	0.01	0.018	0					0.41
117.583	0.00	0.01	0.018	0					0.40
117.667	0.00	0.01	0.018	0					0.40
117.750	0.00	0.01	0.018	0					0.40
117.833	0.00	0.01	0.018	0					0.40
117.917	0.00	0.01	0.018	0					0.40
118.000	0.00	0.01	0.017	0					0.40
118.083	0.00	0.01	0.017	0					0.39
118.167	0.00	0.01	0.017	0					0.39
118.250	0.00	0.01	0.017	0					0.39
118.333	0.00	0.01	0.017	0					0.39
118.417	0.00	0.01	0.017	0					0.39
118.500	0.00	0.01	0.017	0					0.38

118.583	0.00	0.01	0.017	0					0.38
118.667	0.00	0.01	0.017	0					0.38
118.750	0.00	0.01	0.017	0					0.38
118.833	0.00	0.01	0.017	0					0.38
118.917	0.00	0.01	0.016	0					0.38
119.000	0.00	0.01	0.016	0					0.37
119.083	0.00	0.01	0.016	0					0.37
119.167	0.00	0.01	0.016	0					0.37
119.250	0.00	0.01	0.016	0					0.37
119.333	0.00	0.01	0.016	0					0.37
119.417	0.00	0.01	0.016	0					0.37
119.500	0.00	0.01	0.016	0					0.36
119.583	0.00	0.01	0.016	0					0.36
119.667	0.00	0.01	0.016	0					0.36
119.750	0.00	0.01	0.016	0					0.36
119.833	0.00	0.01	0.015	0					0.36
119.917	0.00	0.01	0.015	0					0.36
120.000	0.00	0.01	0.015	0					0.36
120.083	0.00	0.01	0.015	0					0.35
120.167	0.00	0.01	0.015	0					0.35
120.250	0.00	0.01	0.015	0					0.35
120.333	0.00	0.01	0.015	0					0.35
120.417	0.00	0.01	0.015	0					0.35
120.500	0.00	0.01	0.015	0					0.35
120.583	0.00	0.01	0.015	0					0.34
120.667	0.00	0.01	0.015	0					0.34
120.750	0.00	0.01	0.015	0					0.34
120.833	0.00	0.01	0.014	0					0.34
120.917	0.00	0.01	0.014	0					0.34
121.000	0.00	0.01	0.014	0					0.34
121.083	0.00	0.01	0.014	0					0.33
121.167	0.00	0.01	0.014	0					0.33
121.250	0.00	0.01	0.014	0					0.33
121.333	0.00	0.01	0.014	0					0.33
121.417	0.00	0.01	0.014	0					0.33
121.500	0.00	0.01	0.014	0					0.33
121.583	0.00	0.01	0.014	0					0.33
121.667	0.00	0.01	0.014	0					0.32
121.750	0.00	0.01	0.014	0					0.32
121.833	0.00	0.01	0.014	0					0.32
121.917	0.00	0.01	0.013	0					0.32
122.000	0.00	0.01	0.013	0					0.32
122.083	0.00	0.01	0.013	0					0.32
122.167	0.00	0.01	0.013	0					0.31
122.250	0.00	0.01	0.013	0					0.31
122.333	0.00	0.01	0.013	0					0.31
122.417	0.00	0.01	0.013	0					0.31
122.500	0.00	0.01	0.013	0					0.31
122.583	0.00	0.01	0.013	0					0.31
122.667	0.00	0.01	0.013	0					0.31

122.750	0.00	0.01	0.013	0					0.30
122.833	0.00	0.01	0.013	0					0.30
122.917	0.00	0.01	0.013	0					0.30
123.000	0.00	0.01	0.012	0					0.30
123.083	0.00	0.01	0.012	0					0.30
123.167	0.00	0.01	0.012	0					0.30
123.250	0.00	0.01	0.012	0					0.30
123.333	0.00	0.01	0.012	0					0.29
123.417	0.00	0.01	0.012	0					0.29
123.500	0.00	0.01	0.012	0					0.29
123.583	0.00	0.01	0.012	0					0.29
123.667	0.00	0.01	0.012	0					0.29
123.750	0.00	0.01	0.012	0					0.29
123.833	0.00	0.01	0.012	0					0.29
123.917	0.00	0.01	0.012	0					0.28
124.000	0.00	0.01	0.012	0					0.28
124.083	0.00	0.01	0.012	0					0.28
124.167	0.00	0.01	0.011	0					0.28
124.250	0.00	0.01	0.011	0					0.28
124.333	0.00	0.01	0.011	0					0.28
124.417	0.00	0.01	0.011	0					0.28
124.500	0.00	0.01	0.011	0					0.28
124.583	0.00	0.01	0.011	0					0.27
124.667	0.00	0.01	0.011	0					0.27
124.750	0.00	0.01	0.011	0					0.27
124.833	0.00	0.01	0.011	0					0.27
124.917	0.00	0.01	0.011	0					0.27
125.000	0.00	0.01	0.011	0					0.27
125.083	0.00	0.01	0.011	0					0.27
125.167	0.00	0.01	0.011	0					0.26
125.250	0.00	0.01	0.011	0					0.26
125.333	0.00	0.01	0.010	0					0.26
125.417	0.00	0.01	0.010	0					0.26
125.500	0.00	0.01	0.010	0					0.26
125.583	0.00	0.01	0.010	0					0.26
125.667	0.00	0.01	0.010	0					0.26
125.750	0.00	0.01	0.010	0					0.26
125.833	0.00	0.01	0.010	0					0.25
125.917	0.00	0.01	0.010	0					0.25
126.000	0.00	0.01	0.010	0					0.25
126.083	0.00	0.01	0.010	0					0.25
126.167	0.00	0.01	0.010	0					0.25
126.250	0.00	0.01	0.010	0					0.25
126.333	0.00	0.01	0.010	0					0.25
126.417	0.00	0.01	0.010	0					0.25
126.500	0.00	0.01	0.010	0					0.24
126.583	0.00	0.01	0.009	0					0.24
126.667	0.00	0.01	0.009	0					0.24
126.750	0.00	0.01	0.009	0					0.24
126.833	0.00	0.01	0.009	0					0.24

126.917	0.00	0.01	0.009	0					0.24
127.000	0.00	0.01	0.009	0					0.24
127.083	0.00	0.01	0.009	0					0.24
127.167	0.00	0.01	0.009	0					0.23
127.250	0.00	0.01	0.009	0					0.23
127.333	0.00	0.01	0.009	0					0.23
127.417	0.00	0.01	0.009	0					0.23
127.500	0.00	0.01	0.009	0					0.23
127.583	0.00	0.01	0.009	0					0.23
127.667	0.00	0.01	0.009	0					0.23
127.750	0.00	0.01	0.009	0					0.23
127.833	0.00	0.01	0.008	0					0.22
127.917	0.00	0.01	0.008	0					0.22
128.000	0.00	0.01	0.008	0					0.22
128.083	0.00	0.01	0.008	0					0.22
128.167	0.00	0.01	0.008	0					0.22
128.250	0.00	0.01	0.008	0					0.22
128.333	0.00	0.01	0.008	0					0.22
128.417	0.00	0.01	0.008	0					0.22
128.500	0.00	0.01	0.008	0					0.21
128.583	0.00	0.01	0.008	0					0.21
128.667	0.00	0.01	0.008	0					0.21
128.750	0.00	0.01	0.008	0					0.21
128.833	0.00	0.01	0.008	0					0.21
128.917	0.00	0.01	0.008	0					0.21
129.000	0.00	0.01	0.008	0					0.21
129.083	0.00	0.01	0.008	0					0.21
129.167	0.00	0.01	0.008	0					0.21
129.250	0.00	0.01	0.007	0					0.20
129.333	0.00	0.01	0.007	0					0.20
129.417	0.00	0.01	0.007	0					0.20
129.500	0.00	0.01	0.007	0					0.20
129.583	0.00	0.01	0.007	0					0.20
129.667	0.00	0.01	0.007	0					0.20
129.750	0.00	0.01	0.007	0					0.20
129.833	0.00	0.01	0.007	0					0.20
129.917	0.00	0.01	0.007	0					0.20
130.000	0.00	0.01	0.007	0					0.19
130.083	0.00	0.01	0.007	0					0.19
130.167	0.00	0.01	0.007	0					0.19
130.250	0.00	0.01	0.007	0					0.19
130.333	0.00	0.01	0.007	0					0.19
130.417	0.00	0.01	0.007	0					0.19
130.500	0.00	0.01	0.007	0					0.19
130.583	0.00	0.01	0.007	0					0.19
130.667	0.00	0.01	0.006	0					0.19
130.750	0.00	0.01	0.006	0					0.18
130.833	0.00	0.01	0.006	0					0.18
130.917	0.00	0.01	0.006	0					0.18
131.000	0.00	0.01	0.006	0					0.18

131.083	0.00	0.01	0.006	0					0.18
131.167	0.00	0.01	0.006	0					0.18
131.250	0.00	0.01	0.006	0					0.18
131.333	0.00	0.01	0.006	0					0.18
131.417	0.00	0.01	0.006	0					0.18
131.500	0.00	0.01	0.006	0					0.18
131.583	0.00	0.01	0.006	0					0.17
131.667	0.00	0.01	0.006	0					0.17
131.750	0.00	0.01	0.006	0					0.17
131.833	0.00	0.01	0.006	0					0.17
131.917	0.00	0.01	0.006	0					0.17
132.000	0.00	0.01	0.006	0					0.17
132.083	0.00	0.01	0.006	0					0.17
132.167	0.00	0.01	0.006	0					0.17
132.250	0.00	0.01	0.005	0					0.17
132.333	0.00	0.01	0.005	0					0.17
132.417	0.00	0.01	0.005	0					0.16
132.500	0.00	0.01	0.005	0					0.16
132.583	0.00	0.01	0.005	0					0.16
132.667	0.00	0.01	0.005	0					0.16
132.750	0.00	0.01	0.005	0					0.16
132.833	0.00	0.01	0.005	0					0.16
132.917	0.00	0.01	0.005	0					0.16
133.000	0.00	0.01	0.005	0					0.16
133.083	0.00	0.01	0.005	0					0.16
133.167	0.00	0.01	0.005	0					0.16
133.250	0.00	0.01	0.005	0					0.15
133.333	0.00	0.01	0.005	0					0.15
133.417	0.00	0.01	0.005	0					0.15
133.500	0.00	0.01	0.005	0					0.15
133.583	0.00	0.01	0.005	0					0.15
133.667	0.00	0.01	0.005	0					0.15
133.750	0.00	0.01	0.005	0					0.15
133.833	0.00	0.01	0.004	0					0.15
133.917	0.00	0.01	0.004	0					0.15
134.000	0.00	0.01	0.004	0					0.15
134.083	0.00	0.01	0.004	0					0.14
134.167	0.00	0.01	0.004	0					0.14
134.250	0.00	0.01	0.004	0					0.14
134.333	0.00	0.01	0.004	0					0.14
134.417	0.00	0.01	0.004	0					0.14
134.500	0.00	0.01	0.004	0					0.14
134.583	0.00	0.01	0.004	0					0.14
134.667	0.00	0.01	0.004	0					0.14
134.750	0.00	0.01	0.004	0					0.14
134.833	0.00	0.01	0.004	0					0.14
134.917	0.00	0.01	0.004	0					0.14
135.000	0.00	0.01	0.004	0					0.13
135.083	0.00	0.01	0.004	0					0.13
135.167	0.00	0.01	0.004	0					0.13

135.250	0.00	0.01	0.004	0					0.13
135.333	0.00	0.01	0.004	0					0.13
135.417	0.00	0.01	0.004	0					0.13
135.500	0.00	0.01	0.004	0					0.13
135.583	0.00	0.01	0.003	0					0.13
135.667	0.00	0.01	0.003	0					0.13
135.750	0.00	0.01	0.003	0					0.13
135.833	0.00	0.01	0.003	0					0.13
135.917	0.00	0.01	0.003	0					0.12
136.000	0.00	0.01	0.003	0					0.12
136.083	0.00	0.01	0.003	0					0.12
136.167	0.00	0.01	0.003	0					0.12
136.250	0.00	0.01	0.003	0					0.12
136.333	0.00	0.01	0.003	0					0.12
136.417	0.00	0.01	0.003	0					0.12
136.500	0.00	0.01	0.003	0					0.12
136.583	0.00	0.01	0.003	0					0.12
136.667	0.00	0.01	0.003	0					0.12
136.750	0.00	0.01	0.003	0					0.12
136.833	0.00	0.01	0.003	0					0.12
136.917	0.00	0.01	0.003	0					0.11
137.000	0.00	0.01	0.003	0					0.11
137.083	0.00	0.01	0.003	0					0.11
137.167	0.00	0.01	0.003	0					0.11
137.250	0.00	0.01	0.003	0					0.11
137.333	0.00	0.01	0.003	0					0.11
137.417	0.00	0.01	0.003	0					0.11
137.500	0.00	0.01	0.002	0					0.11
137.583	0.00	0.01	0.002	0					0.11
137.667	0.00	0.01	0.002	0					0.11
137.750	0.00	0.01	0.002	0					0.11
137.833	0.00	0.01	0.002	0					0.11
137.917	0.00	0.01	0.002	0					0.10
138.000	0.00	0.01	0.002	0					0.10
138.083	0.00	0.01	0.002	0					0.10
138.167	0.00	0.01	0.002	0					0.10
138.250	0.00	0.01	0.002	0					0.10
138.333	0.00	0.01	0.002	0					0.10
138.417	0.00	0.01	0.002	0					0.10
138.500	0.00	0.01	0.002	0					0.10
138.583	0.00	0.01	0.002	0					0.10
138.667	0.00	0.01	0.002	0					0.09
138.750	0.00	0.01	0.002	0					0.09
138.833	0.00	0.01	0.002	0					0.09
138.917	0.00	0.01	0.002	0					0.09
139.000	0.00	0.01	0.002	0					0.09
139.083	0.00	0.01	0.002	0					0.08
139.167	0.00	0.00	0.002	0					0.08
139.250	0.00	0.00	0.002	0					0.08
139.333	0.00	0.00	0.002	0					0.08

139.417	0.00	0.00	0.002	0					0.08
139.500	0.00	0.00	0.002	0					0.08
139.583	0.00	0.00	0.001	0					0.07
139.667	0.00	0.00	0.001	0					0.07
139.750	0.00	0.00	0.001	0					0.07
139.833	0.00	0.00	0.001	0					0.07
139.917	0.00	0.00	0.001	0					0.07
140.000	0.00	0.00	0.001	0					0.07
140.083	0.00	0.00	0.001	0					0.07
140.167	0.00	0.00	0.001	0					0.06
140.250	0.00	0.00	0.001	0					0.06
140.333	0.00	0.00	0.001	0					0.06
140.417	0.00	0.00	0.001	0					0.06
140.500	0.00	0.00	0.001	0					0.06
140.583	0.00	0.00	0.001	0					0.06
140.667	0.00	0.00	0.001	0					0.06
140.750	0.00	0.00	0.001	0					0.06
140.833	0.00	0.00	0.001	0					0.05
140.917	0.00	0.00	0.001	0					0.05
141.000	0.00	0.00	0.001	0					0.05
141.083	0.00	0.00	0.001	0					0.05
141.167	0.00	0.00	0.001	0					0.05
141.250	0.00	0.00	0.001	0					0.05
141.333	0.00	0.00	0.001	0					0.05
141.417	0.00	0.00	0.001	0					0.05
141.500	0.00	0.00	0.001	0					0.05
141.583	0.00	0.00	0.001	0					0.05
141.667	0.00	0.00	0.001	0					0.04
141.750	0.00	0.00	0.001	0					0.04
141.833	0.00	0.00	0.001	0					0.04
141.917	0.00	0.00	0.001	0					0.04
142.000	0.00	0.00	0.001	0					0.04
142.083	0.00	0.00	0.001	0					0.04
142.167	0.00	0.00	0.001	0					0.04
142.250	0.00	0.00	0.001	0					0.04
142.333	0.00	0.00	0.001	0					0.04
142.417	0.00	0.00	0.001	0					0.04
142.500	0.00	0.00	0.001	0					0.04
142.583	0.00	0.00	0.001	0					0.04
142.667	0.00	0.00	0.001	0					0.03
142.750	0.00	0.00	0.001	0					0.03
142.833	0.00	0.00	0.001	0					0.03
142.917	0.00	0.00	0.001	0					0.03
143.000	0.00	0.00	0.001	0					0.03
143.083	0.00	0.00	0.001	0					0.03
143.167	0.00	0.00	0.001	0					0.03
143.250	0.00	0.00	0.001	0					0.03
143.333	0.00	0.00	0.001	0					0.03
143.417	0.00	0.00	0.001	0					0.03
143.500	0.00	0.00	0.001	0					0.03

143.583	0.00	0.00	0.001	0					0.03
143.667	0.00	0.00	0.001	0					0.03
143.750	0.00	0.00	0.001	0					0.03
143.833	0.00	0.00	0.001	0					0.03
143.917	0.00	0.00	0.001	0					0.03
144.000	0.00	0.00	0.001	0					0.03
144.083	0.00	0.00	0.000	0					0.02
144.167	0.00	0.00	0.000	0					0.02
144.250	0.00	0.00	0.000	0					0.02
144.333	0.00	0.00	0.000	0					0.02
144.417	0.00	0.00	0.000	0					0.02
144.500	0.00	0.00	0.000	0					0.02
144.583	0.00	0.00	0.000	0					0.02
144.667	0.00	0.00	0.000	0					0.02
144.750	0.00	0.00	0.000	0					0.02
144.833	0.00	0.00	0.000	0					0.02
144.917	0.00	0.00	0.000	0					0.02
145.000	0.00	0.00	0.000	0					0.02
145.083	0.00	0.00	0.000	0					0.02
145.167	0.00	0.00	0.000	0					0.02
145.250	0.00	0.00	0.000	0					0.02
145.333	0.00	0.00	0.000	0					0.02
145.417	0.00	0.00	0.000	0					0.02
145.500	0.00	0.00	0.000	0					0.02
145.583	0.00	0.00	0.000	0					0.02
145.667	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1748

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.389 (CFS)

Total volume = 0.458 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
100 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da21100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.575 (CFS)
Total volume = 0.302 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.4	4.79	7.18	9.57	Depth (Ft.)
0.083	0.96	0.01	0.003	0	I				0.12
0.167	1.66	0.01	0.012	0	I				0.30
0.250	1.98	0.02	0.025	0	I				0.53
0.333	2.11	0.02	0.039	0	I				0.80
0.417	2.33	0.03	0.054	0	I				1.06
0.500	2.64	0.03	0.071	0	I				1.27
0.583	3.02	0.03	0.090	0	I				1.51
0.667	3.50	0.04	0.112	0	I				1.79
0.750	4.67	0.04	0.140	0		I			2.12
0.833	9.57	0.04	0.189	0				I	2.63
0.917	7.04	0.05	0.246	0			I		3.22
1.000	3.23	0.05	0.281	0	I				3.58
1.083	1.02	0.05	0.295	0	I				3.72
1.167	0.15	0.05	0.299	0					3.76
1.250	0.00	0.05	0.299	0					3.76
1.333	0.00	0.05	0.298	0					3.76
1.417	0.00	0.05	0.298	0					3.76
1.500	0.00	0.05	0.298	0					3.75
1.583	0.00	0.05	0.297	0					3.75
1.667	0.00	0.05	0.297	0					3.74
1.750	0.00	0.05	0.297	0					3.74
1.833	0.00	0.05	0.296	0					3.74

1.917	0.00	0.05	0.296	0					3.73
2.000	0.00	0.05	0.295	0					3.73
2.083	0.00	0.05	0.295	0					3.73
2.167	0.00	0.05	0.295	0					3.72
2.250	0.00	0.05	0.294	0					3.72
2.333	0.00	0.05	0.294	0					3.71
2.417	0.00	0.05	0.294	0					3.71
2.500	0.00	0.05	0.293	0					3.71
2.583	0.00	0.05	0.293	0					3.70
2.667	0.00	0.05	0.293	0					3.70
2.750	0.00	0.05	0.292	0					3.70
2.833	0.00	0.05	0.292	0					3.69
2.917	0.00	0.05	0.291	0					3.69
3.000	0.00	0.05	0.291	0					3.68
3.083	0.00	0.05	0.291	0					3.68
3.167	0.00	0.05	0.290	0					3.68
3.250	0.00	0.05	0.290	0					3.67
3.333	0.00	0.05	0.290	0					3.67
3.417	0.00	0.05	0.289	0					3.67
3.500	0.00	0.05	0.289	0					3.66
3.583	0.00	0.05	0.288	0					3.66
3.667	0.00	0.05	0.288	0					3.65
3.750	0.00	0.05	0.288	0					3.65
3.833	0.00	0.05	0.287	0					3.65
3.917	0.00	0.05	0.287	0					3.64
4.000	0.00	0.05	0.287	0					3.64
4.083	0.00	0.05	0.286	0					3.64
4.167	0.00	0.05	0.286	0					3.63
4.250	0.00	0.05	0.286	0					3.63
4.333	0.00	0.05	0.285	0					3.62
4.417	0.00	0.05	0.285	0					3.62
4.500	0.00	0.05	0.284	0					3.62
4.583	0.00	0.05	0.284	0					3.61
4.667	0.00	0.05	0.284	0					3.61
4.750	0.00	0.05	0.283	0					3.61
4.833	0.00	0.05	0.283	0					3.60
4.917	0.00	0.05	0.283	0					3.60
5.000	0.00	0.05	0.282	0					3.59
5.083	0.00	0.05	0.282	0					3.59
5.167	0.00	0.05	0.282	0					3.59
5.250	0.00	0.05	0.281	0					3.58
5.333	0.00	0.05	0.281	0					3.58
5.417	0.00	0.05	0.280	0					3.58
5.500	0.00	0.05	0.280	0					3.57
5.583	0.00	0.05	0.280	0					3.57
5.667	0.00	0.05	0.279	0					3.57
5.750	0.00	0.05	0.279	0					3.56
5.833	0.00	0.05	0.279	0					3.56
5.917	0.00	0.05	0.278	0					3.55
6.000	0.00	0.05	0.278	0					3.55

6.083	0.00	0.05	0.278	0					3.55
6.167	0.00	0.05	0.277	0					3.54
6.250	0.00	0.05	0.277	0					3.54
6.333	0.00	0.05	0.276	0					3.54
6.417	0.00	0.05	0.276	0					3.53
6.500	0.00	0.05	0.276	0					3.53
6.583	0.00	0.05	0.275	0					3.52
6.667	0.00	0.05	0.275	0					3.52
6.750	0.00	0.05	0.275	0					3.52
6.833	0.00	0.05	0.274	0					3.51
6.917	0.00	0.05	0.274	0					3.51
7.000	0.00	0.05	0.274	0					3.51
7.083	0.00	0.05	0.273	0					3.50
7.167	0.00	0.05	0.273	0					3.50
7.250	0.00	0.05	0.273	0					3.50
7.333	0.00	0.05	0.272	0					3.49
7.417	0.00	0.05	0.272	0					3.49
7.500	0.00	0.05	0.271	0					3.48
7.583	0.00	0.05	0.271	0					3.48
7.667	0.00	0.05	0.271	0					3.48
7.750	0.00	0.05	0.270	0					3.47
7.833	0.00	0.05	0.270	0					3.47
7.917	0.00	0.05	0.270	0					3.47
8.000	0.00	0.05	0.269	0					3.46
8.083	0.00	0.05	0.269	0					3.46
8.167	0.00	0.05	0.269	0					3.46
8.250	0.00	0.05	0.268	0					3.45
8.333	0.00	0.05	0.268	0					3.45
8.417	0.00	0.05	0.268	0					3.44
8.500	0.00	0.05	0.267	0					3.44
8.583	0.00	0.05	0.267	0					3.44
8.667	0.00	0.05	0.266	0					3.43
8.750	0.00	0.05	0.266	0					3.43
8.833	0.00	0.05	0.266	0					3.43
8.917	0.00	0.05	0.265	0					3.42
9.000	0.00	0.05	0.265	0					3.42
9.083	0.00	0.05	0.265	0					3.42
9.167	0.00	0.05	0.264	0					3.41
9.250	0.00	0.05	0.264	0					3.41
9.333	0.00	0.05	0.264	0					3.40
9.417	0.00	0.05	0.263	0					3.40
9.500	0.00	0.05	0.263	0					3.40
9.583	0.00	0.05	0.263	0					3.39
9.667	0.00	0.05	0.262	0					3.39
9.750	0.00	0.05	0.262	0					3.39
9.833	0.00	0.05	0.262	0					3.38
9.917	0.00	0.05	0.261	0					3.38
10.000	0.00	0.05	0.261	0					3.38
10.083	0.00	0.05	0.260	0					3.37
10.167	0.00	0.05	0.260	0					3.37

10.250	0.00	0.05	0.260	0					3.37
10.333	0.00	0.05	0.259	0					3.36
10.417	0.00	0.05	0.259	0					3.36
10.500	0.00	0.05	0.259	0					3.35
10.583	0.00	0.05	0.258	0					3.35
10.667	0.00	0.05	0.258	0					3.35
10.750	0.00	0.05	0.258	0					3.34
10.833	0.00	0.05	0.257	0					3.34
10.917	0.00	0.05	0.257	0					3.34
11.000	0.00	0.05	0.257	0					3.33
11.083	0.00	0.05	0.256	0					3.33
11.167	0.00	0.05	0.256	0					3.33
11.250	0.00	0.05	0.256	0					3.32
11.333	0.00	0.05	0.255	0					3.32
11.417	0.00	0.05	0.255	0					3.32
11.500	0.00	0.05	0.255	0					3.31
11.583	0.00	0.05	0.254	0					3.31
11.667	0.00	0.05	0.254	0					3.30
11.750	0.00	0.05	0.254	0					3.30
11.833	0.00	0.05	0.253	0					3.30
11.917	0.00	0.05	0.253	0					3.29
12.000	0.00	0.05	0.252	0					3.29
12.083	0.00	0.05	0.252	0					3.29
12.167	0.00	0.05	0.252	0					3.28
12.250	0.00	0.05	0.251	0					3.28
12.333	0.00	0.05	0.251	0					3.28
12.417	0.00	0.05	0.251	0					3.27
12.500	0.00	0.05	0.250	0					3.27
12.583	0.00	0.05	0.250	0					3.27
12.667	0.00	0.05	0.250	0					3.26
12.750	0.00	0.05	0.249	0					3.26
12.833	0.00	0.05	0.249	0					3.26
12.917	0.00	0.05	0.249	0					3.25
13.000	0.00	0.05	0.248	0					3.25
13.083	0.00	0.05	0.248	0					3.24
13.167	0.00	0.05	0.248	0					3.24
13.250	0.00	0.05	0.247	0					3.24
13.333	0.00	0.05	0.247	0					3.23
13.417	0.00	0.05	0.247	0					3.23
13.500	0.00	0.05	0.246	0					3.23
13.583	0.00	0.05	0.246	0					3.22
13.667	0.00	0.05	0.246	0					3.22
13.750	0.00	0.05	0.245	0					3.22
13.833	0.00	0.05	0.245	0					3.21
13.917	0.00	0.05	0.245	0					3.21
14.000	0.00	0.05	0.244	0					3.21
14.083	0.00	0.05	0.244	0					3.20
14.167	0.00	0.05	0.244	0					3.20
14.250	0.00	0.05	0.243	0					3.20
14.333	0.00	0.05	0.243	0					3.19

14.417	0.00	0.05	0.243	0					3.19
14.500	0.00	0.05	0.242	0					3.19
14.583	0.00	0.05	0.242	0					3.18
14.667	0.00	0.05	0.241	0					3.18
14.750	0.00	0.05	0.241	0					3.17
14.833	0.00	0.05	0.241	0					3.17
14.917	0.00	0.05	0.240	0					3.17
15.000	0.00	0.05	0.240	0					3.16
15.083	0.00	0.05	0.240	0					3.16
15.167	0.00	0.05	0.239	0					3.16
15.250	0.00	0.05	0.239	0					3.15
15.333	0.00	0.05	0.239	0					3.15
15.417	0.00	0.05	0.238	0					3.15
15.500	0.00	0.05	0.238	0					3.14
15.583	0.00	0.05	0.238	0					3.14
15.667	0.00	0.05	0.237	0					3.14
15.750	0.00	0.05	0.237	0					3.13
15.833	0.00	0.05	0.237	0					3.13
15.917	0.00	0.05	0.236	0					3.13
16.000	0.00	0.05	0.236	0					3.12
16.083	0.00	0.05	0.236	0					3.12
16.167	0.00	0.05	0.235	0					3.12
16.250	0.00	0.05	0.235	0					3.11
16.333	0.00	0.05	0.235	0					3.11
16.417	0.00	0.05	0.234	0					3.11
16.500	0.00	0.05	0.234	0					3.10
16.583	0.00	0.05	0.234	0					3.10
16.667	0.00	0.05	0.233	0					3.10
16.750	0.00	0.05	0.233	0					3.09
16.833	0.00	0.05	0.233	0					3.09
16.917	0.00	0.05	0.232	0					3.09
17.000	0.00	0.05	0.232	0					3.08
17.083	0.00	0.05	0.232	0					3.08
17.167	0.00	0.05	0.231	0					3.08
17.250	0.00	0.05	0.231	0					3.07
17.333	0.00	0.05	0.231	0					3.07
17.417	0.00	0.05	0.230	0					3.06
17.500	0.00	0.05	0.230	0					3.06
17.583	0.00	0.05	0.230	0					3.06
17.667	0.00	0.05	0.229	0					3.05
17.750	0.00	0.05	0.229	0					3.05
17.833	0.00	0.05	0.229	0					3.05
17.917	0.00	0.05	0.228	0					3.04
18.000	0.00	0.05	0.228	0					3.04
18.083	0.00	0.05	0.228	0					3.04
18.167	0.00	0.05	0.227	0					3.03
18.250	0.00	0.05	0.227	0					3.03
18.333	0.00	0.05	0.227	0					3.03
18.417	0.00	0.05	0.226	0					3.02
18.500	0.00	0.05	0.226	0					3.02

18.583	0.00	0.05	0.226	0					3.02
18.667	0.00	0.05	0.225	0					3.01
18.750	0.00	0.05	0.225	0					3.01
18.833	0.00	0.05	0.225	0					3.01
18.917	0.00	0.05	0.224	0					3.00
19.000	0.00	0.05	0.224	0					3.00
19.083	0.00	0.05	0.224	0					3.00
19.167	0.00	0.05	0.223	0					2.99
19.250	0.00	0.05	0.223	0					2.99
19.333	0.00	0.05	0.223	0					2.99
19.417	0.00	0.05	0.222	0					2.98
19.500	0.00	0.05	0.222	0					2.98
19.583	0.00	0.05	0.222	0					2.98
19.667	0.00	0.05	0.221	0					2.97
19.750	0.00	0.05	0.221	0					2.97
19.833	0.00	0.05	0.221	0					2.97
19.917	0.00	0.05	0.220	0					2.96
20.000	0.00	0.05	0.220	0					2.96
20.083	0.00	0.05	0.220	0					2.96
20.167	0.00	0.05	0.219	0					2.95
20.250	0.00	0.05	0.219	0					2.95
20.333	0.00	0.05	0.219	0					2.94
20.417	0.00	0.05	0.218	0					2.94
20.500	0.00	0.05	0.218	0					2.94
20.583	0.00	0.05	0.218	0					2.93
20.667	0.00	0.05	0.217	0					2.93
20.750	0.00	0.05	0.217	0					2.93
20.833	0.00	0.05	0.217	0					2.92
20.917	0.00	0.05	0.216	0					2.92
21.000	0.00	0.05	0.216	0					2.92
21.083	0.00	0.05	0.216	0					2.91
21.167	0.00	0.05	0.216	0					2.91
21.250	0.00	0.05	0.215	0					2.91
21.333	0.00	0.05	0.215	0					2.90
21.417	0.00	0.05	0.215	0					2.90
21.500	0.00	0.05	0.214	0					2.90
21.583	0.00	0.05	0.214	0					2.89
21.667	0.00	0.05	0.214	0					2.89
21.750	0.00	0.05	0.213	0					2.89
21.833	0.00	0.05	0.213	0					2.88
21.917	0.00	0.05	0.213	0					2.88
22.000	0.00	0.05	0.212	0					2.88
22.083	0.00	0.05	0.212	0					2.87
22.167	0.00	0.05	0.212	0					2.87
22.250	0.00	0.05	0.211	0					2.87
22.333	0.00	0.05	0.211	0					2.86
22.417	0.00	0.05	0.211	0					2.86
22.500	0.00	0.05	0.210	0					2.86
22.583	0.00	0.05	0.210	0					2.85
22.667	0.00	0.05	0.210	0					2.85

22.750	0.00	0.05	0.209	0					2.85
22.833	0.00	0.05	0.209	0					2.84
22.917	0.00	0.05	0.209	0					2.84
23.000	0.00	0.05	0.208	0					2.84
23.083	0.00	0.05	0.208	0					2.83
23.167	0.00	0.05	0.208	0					2.83
23.250	0.00	0.05	0.207	0					2.83
23.333	0.00	0.05	0.207	0					2.82
23.417	0.00	0.05	0.207	0					2.82
23.500	0.00	0.05	0.206	0					2.82
23.583	0.00	0.05	0.206	0					2.81
23.667	0.00	0.05	0.206	0					2.81
23.750	0.00	0.05	0.206	0					2.81
23.833	0.00	0.05	0.205	0					2.80
23.917	0.00	0.05	0.205	0					2.80
24.000	0.00	0.05	0.205	0					2.80
24.083	0.00	0.05	0.204	0					2.79
24.167	0.00	0.05	0.204	0					2.79
24.250	0.00	0.05	0.204	0					2.79
24.333	0.00	0.05	0.203	0					2.78
24.417	0.00	0.05	0.203	0					2.78
24.500	0.00	0.05	0.203	0					2.78
24.583	0.00	0.05	0.202	0					2.77
24.667	0.00	0.05	0.202	0					2.77
24.750	0.00	0.05	0.202	0					2.77
24.833	0.00	0.05	0.201	0					2.76
24.917	0.00	0.05	0.201	0					2.76
25.000	0.00	0.05	0.201	0					2.76
25.083	0.00	0.05	0.200	0					2.75
25.167	0.00	0.05	0.200	0					2.75
25.250	0.00	0.05	0.200	0					2.75
25.333	0.00	0.05	0.200	0					2.74
25.417	0.00	0.05	0.199	0					2.74
25.500	0.00	0.05	0.199	0					2.74
25.583	0.00	0.05	0.199	0					2.73
25.667	0.00	0.05	0.198	0					2.73
25.750	0.00	0.05	0.198	0					2.73
25.833	0.00	0.05	0.198	0					2.72
25.917	0.00	0.05	0.197	0					2.72
26.000	0.00	0.05	0.197	0					2.72
26.083	0.00	0.05	0.197	0					2.71
26.167	0.00	0.05	0.196	0					2.71
26.250	0.00	0.05	0.196	0					2.71
26.333	0.00	0.05	0.196	0					2.70
26.417	0.00	0.05	0.195	0					2.70
26.500	0.00	0.05	0.195	0					2.70
26.583	0.00	0.05	0.195	0					2.69
26.667	0.00	0.05	0.195	0					2.69
26.750	0.00	0.05	0.194	0					2.69
26.833	0.00	0.05	0.194	0					2.68

26.917	0.00	0.05	0.194	0					2.68
27.000	0.00	0.05	0.193	0					2.68
27.083	0.00	0.05	0.193	0					2.67
27.167	0.00	0.05	0.193	0					2.67
27.250	0.00	0.05	0.192	0					2.67
27.333	0.00	0.04	0.192	0					2.66
27.417	0.00	0.04	0.192	0					2.66
27.500	0.00	0.04	0.191	0					2.66
27.583	0.00	0.04	0.191	0					2.65
27.667	0.00	0.04	0.191	0					2.65
27.750	0.00	0.04	0.190	0					2.65
27.833	0.00	0.04	0.190	0					2.64
27.917	0.00	0.04	0.190	0					2.64
28.000	0.00	0.04	0.190	0					2.64
28.083	0.00	0.04	0.189	0					2.63
28.167	0.00	0.04	0.189	0					2.63
28.250	0.00	0.04	0.189	0					2.63
28.333	0.00	0.04	0.188	0					2.62
28.417	0.00	0.04	0.188	0					2.62
28.500	0.00	0.04	0.188	0					2.62
28.583	0.00	0.04	0.187	0					2.61
28.667	0.00	0.04	0.187	0					2.61
28.750	0.00	0.04	0.187	0					2.61
28.833	0.00	0.04	0.186	0					2.61
28.917	0.00	0.04	0.186	0					2.60
29.000	0.00	0.04	0.186	0					2.60
29.083	0.00	0.04	0.186	0					2.60
29.167	0.00	0.04	0.185	0					2.59
29.250	0.00	0.04	0.185	0					2.59
29.333	0.00	0.04	0.185	0					2.59
29.417	0.00	0.04	0.184	0					2.58
29.500	0.00	0.04	0.184	0					2.58
29.583	0.00	0.04	0.184	0					2.58
29.667	0.00	0.04	0.183	0					2.57
29.750	0.00	0.04	0.183	0					2.57
29.833	0.00	0.04	0.183	0					2.57
29.917	0.00	0.04	0.183	0					2.56
30.000	0.00	0.04	0.182	0					2.56
30.083	0.00	0.04	0.182	0					2.56
30.167	0.00	0.04	0.182	0					2.55
30.250	0.00	0.04	0.181	0					2.55
30.333	0.00	0.04	0.181	0					2.55
30.417	0.00	0.04	0.181	0					2.54
30.500	0.00	0.04	0.180	0					2.54
30.583	0.00	0.04	0.180	0					2.54
30.667	0.00	0.04	0.180	0					2.53
30.750	0.00	0.04	0.180	0					2.53
30.833	0.00	0.04	0.179	0					2.53
30.917	0.00	0.04	0.179	0					2.53
31.000	0.00	0.04	0.179	0					2.52

31.083	0.00	0.04	0.178	0					2.52
31.167	0.00	0.04	0.178	0					2.52
31.250	0.00	0.04	0.178	0					2.51
31.333	0.00	0.04	0.177	0					2.51
31.417	0.00	0.04	0.177	0					2.51
31.500	0.00	0.04	0.177	0					2.50
31.583	0.00	0.04	0.176	0					2.50
31.667	0.00	0.04	0.176	0					2.50
31.750	0.00	0.04	0.176	0					2.49
31.833	0.00	0.04	0.176	0					2.49
31.917	0.00	0.04	0.175	0					2.49
32.000	0.00	0.04	0.175	0					2.48
32.083	0.00	0.04	0.175	0					2.48
32.167	0.00	0.04	0.174	0					2.48
32.250	0.00	0.04	0.174	0					2.47
32.333	0.00	0.04	0.174	0					2.47
32.417	0.00	0.04	0.174	0					2.47
32.500	0.00	0.04	0.173	0					2.47
32.583	0.00	0.04	0.173	0					2.46
32.667	0.00	0.04	0.173	0					2.46
32.750	0.00	0.04	0.172	0					2.46
32.833	0.00	0.04	0.172	0					2.45
32.917	0.00	0.04	0.172	0					2.45
33.000	0.00	0.04	0.171	0					2.45
33.083	0.00	0.04	0.171	0					2.44
33.167	0.00	0.04	0.171	0					2.44
33.250	0.00	0.04	0.171	0					2.44
33.333	0.00	0.04	0.170	0					2.43
33.417	0.00	0.04	0.170	0					2.43
33.500	0.00	0.04	0.170	0					2.43
33.583	0.00	0.04	0.169	0					2.42
33.667	0.00	0.04	0.169	0					2.42
33.750	0.00	0.04	0.169	0					2.42
33.833	0.00	0.04	0.168	0					2.42
33.917	0.00	0.04	0.168	0					2.41
34.000	0.00	0.04	0.168	0					2.41
34.083	0.00	0.04	0.168	0					2.41
34.167	0.00	0.04	0.167	0					2.40
34.250	0.00	0.04	0.167	0					2.40
34.333	0.00	0.04	0.167	0					2.40
34.417	0.00	0.04	0.166	0					2.39
34.500	0.00	0.04	0.166	0					2.39
34.583	0.00	0.04	0.166	0					2.39
34.667	0.00	0.04	0.166	0					2.38
34.750	0.00	0.04	0.165	0					2.38
34.833	0.00	0.04	0.165	0					2.38
34.917	0.00	0.04	0.165	0					2.38
35.000	0.00	0.04	0.164	0					2.37
35.083	0.00	0.04	0.164	0					2.37
35.167	0.00	0.04	0.164	0					2.37

35.250	0.00	0.04	0.164	0					2.36
35.333	0.00	0.04	0.163	0					2.36
35.417	0.00	0.04	0.163	0					2.36
35.500	0.00	0.04	0.163	0					2.35
35.583	0.00	0.04	0.162	0					2.35
35.667	0.00	0.04	0.162	0					2.35
35.750	0.00	0.04	0.162	0					2.34
35.833	0.00	0.04	0.161	0					2.34
35.917	0.00	0.04	0.161	0					2.34
36.000	0.00	0.04	0.161	0					2.34
36.083	0.00	0.04	0.161	0					2.33
36.167	0.00	0.04	0.160	0					2.33
36.250	0.00	0.04	0.160	0					2.33
36.333	0.00	0.04	0.160	0					2.32
36.417	0.00	0.04	0.159	0					2.32
36.500	0.00	0.04	0.159	0					2.32
36.583	0.00	0.04	0.159	0					2.31
36.667	0.00	0.04	0.159	0					2.31
36.750	0.00	0.04	0.158	0					2.31
36.833	0.00	0.04	0.158	0					2.31
36.917	0.00	0.04	0.158	0					2.30
37.000	0.00	0.04	0.157	0					2.30
37.083	0.00	0.04	0.157	0					2.30
37.167	0.00	0.04	0.157	0					2.29
37.250	0.00	0.04	0.157	0					2.29
37.333	0.00	0.04	0.156	0					2.29
37.417	0.00	0.04	0.156	0					2.28
37.500	0.00	0.04	0.156	0					2.28
37.583	0.00	0.04	0.155	0					2.28
37.667	0.00	0.04	0.155	0					2.28
37.750	0.00	0.04	0.155	0					2.27
37.833	0.00	0.04	0.155	0					2.27
37.917	0.00	0.04	0.154	0					2.27
38.000	0.00	0.04	0.154	0					2.26
38.083	0.00	0.04	0.154	0					2.26
38.167	0.00	0.04	0.153	0					2.26
38.250	0.00	0.04	0.153	0					2.25
38.333	0.00	0.04	0.153	0					2.25
38.417	0.00	0.04	0.153	0					2.25
38.500	0.00	0.04	0.152	0					2.25
38.583	0.00	0.04	0.152	0					2.24
38.667	0.00	0.04	0.152	0					2.24
38.750	0.00	0.04	0.151	0					2.24
38.833	0.00	0.04	0.151	0					2.23
38.917	0.00	0.04	0.151	0					2.23
39.000	0.00	0.04	0.151	0					2.23
39.083	0.00	0.04	0.150	0					2.22
39.167	0.00	0.04	0.150	0					2.22
39.250	0.00	0.04	0.150	0					2.22
39.333	0.00	0.04	0.149	0					2.22

39.417	0.00	0.04	0.149	0					2.21
39.500	0.00	0.04	0.149	0					2.21
39.583	0.00	0.04	0.149	0					2.21
39.667	0.00	0.04	0.148	0					2.20
39.750	0.00	0.04	0.148	0					2.20
39.833	0.00	0.04	0.148	0					2.20
39.917	0.00	0.04	0.147	0					2.19
40.000	0.00	0.04	0.147	0					2.19
40.083	0.00	0.04	0.147	0					2.19
40.167	0.00	0.04	0.147	0					2.19
40.250	0.00	0.04	0.146	0					2.18
40.333	0.00	0.04	0.146	0					2.18
40.417	0.00	0.04	0.146	0					2.18
40.500	0.00	0.04	0.146	0					2.17
40.583	0.00	0.04	0.145	0					2.17
40.667	0.00	0.04	0.145	0					2.17
40.750	0.00	0.04	0.145	0					2.17
40.833	0.00	0.04	0.144	0					2.16
40.917	0.00	0.04	0.144	0					2.16
41.000	0.00	0.04	0.144	0					2.16
41.083	0.00	0.04	0.144	0					2.15
41.167	0.00	0.04	0.143	0					2.15
41.250	0.00	0.04	0.143	0					2.15
41.333	0.00	0.04	0.143	0					2.14
41.417	0.00	0.04	0.142	0					2.14
41.500	0.00	0.04	0.142	0					2.14
41.583	0.00	0.04	0.142	0					2.14
41.667	0.00	0.04	0.142	0					2.13
41.750	0.00	0.04	0.141	0					2.13
41.833	0.00	0.04	0.141	0					2.13
41.917	0.00	0.04	0.141	0					2.12
42.000	0.00	0.04	0.141	0					2.12
42.083	0.00	0.04	0.140	0					2.12
42.167	0.00	0.04	0.140	0					2.12
42.250	0.00	0.04	0.140	0					2.11
42.333	0.00	0.04	0.139	0					2.11
42.417	0.00	0.04	0.139	0					2.11
42.500	0.00	0.04	0.139	0					2.10
42.583	0.00	0.04	0.139	0					2.10
42.667	0.00	0.04	0.138	0					2.10
42.750	0.00	0.04	0.138	0					2.10
42.833	0.00	0.04	0.138	0					2.09
42.917	0.00	0.04	0.138	0					2.09
43.000	0.00	0.04	0.137	0					2.09
43.083	0.00	0.04	0.137	0					2.08
43.167	0.00	0.04	0.137	0					2.08
43.250	0.00	0.04	0.136	0					2.08
43.333	0.00	0.04	0.136	0					2.08
43.417	0.00	0.04	0.136	0					2.07
43.500	0.00	0.04	0.136	0					2.07

43.583	0.00	0.04	0.135	0					2.07
43.667	0.00	0.04	0.135	0					2.06
43.750	0.00	0.04	0.135	0					2.06
43.833	0.00	0.04	0.135	0					2.06
43.917	0.00	0.04	0.134	0					2.06
44.000	0.00	0.04	0.134	0					2.05
44.083	0.00	0.04	0.134	0					2.05
44.167	0.00	0.04	0.133	0					2.05
44.250	0.00	0.04	0.133	0					2.04
44.333	0.00	0.04	0.133	0					2.04
44.417	0.00	0.04	0.133	0					2.04
44.500	0.00	0.04	0.132	0					2.04
44.583	0.00	0.04	0.132	0					2.03
44.667	0.00	0.04	0.132	0					2.03
44.750	0.00	0.04	0.132	0					2.03
44.833	0.00	0.04	0.131	0					2.02
44.917	0.00	0.04	0.131	0					2.02
45.000	0.00	0.04	0.131	0					2.02
45.083	0.00	0.04	0.130	0					2.02
45.167	0.00	0.04	0.130	0					2.01
45.250	0.00	0.04	0.130	0					2.01
45.333	0.00	0.04	0.130	0					2.01
45.417	0.00	0.04	0.129	0					2.00
45.500	0.00	0.04	0.129	0					2.00
45.583	0.00	0.04	0.129	0					2.00
45.667	0.00	0.04	0.129	0					1.99
45.750	0.00	0.04	0.128	0					1.99
45.833	0.00	0.04	0.128	0					1.99
45.917	0.00	0.04	0.128	0					1.98
46.000	0.00	0.04	0.127	0					1.98
46.083	0.00	0.04	0.127	0					1.98
46.167	0.00	0.04	0.127	0					1.97
46.250	0.00	0.04	0.127	0					1.97
46.333	0.00	0.04	0.126	0					1.97
46.417	0.00	0.04	0.126	0					1.96
46.500	0.00	0.04	0.126	0					1.96
46.583	0.00	0.04	0.126	0					1.96
46.667	0.00	0.04	0.125	0					1.95
46.750	0.00	0.04	0.125	0					1.95
46.833	0.00	0.04	0.125	0					1.95
46.917	0.00	0.04	0.125	0					1.94
47.000	0.00	0.04	0.124	0					1.94
47.083	0.00	0.04	0.124	0					1.94
47.167	0.00	0.04	0.124	0					1.93
47.250	0.00	0.04	0.124	0					1.93
47.333	0.00	0.04	0.123	0					1.93
47.417	0.00	0.04	0.123	0					1.92
47.500	0.00	0.04	0.123	0					1.92
47.583	0.00	0.04	0.122	0					1.92
47.667	0.00	0.04	0.122	0					1.91

47.750	0.00	0.04	0.122	0					1.91
47.833	0.00	0.04	0.122	0					1.91
47.917	0.00	0.04	0.121	0					1.91
48.000	0.00	0.04	0.121	0					1.90
48.083	0.00	0.04	0.121	0					1.90
48.167	0.00	0.04	0.121	0					1.90
48.250	0.00	0.04	0.120	0					1.89
48.333	0.00	0.04	0.120	0					1.89
48.417	0.00	0.04	0.120	0					1.89
48.500	0.00	0.04	0.120	0					1.88
48.583	0.00	0.04	0.119	0					1.88
48.667	0.00	0.04	0.119	0					1.88
48.750	0.00	0.04	0.119	0					1.87
48.833	0.00	0.04	0.119	0					1.87
48.917	0.00	0.04	0.118	0					1.87
49.000	0.00	0.04	0.118	0					1.86
49.083	0.00	0.04	0.118	0					1.86
49.167	0.00	0.04	0.118	0					1.86
49.250	0.00	0.04	0.117	0					1.85
49.333	0.00	0.04	0.117	0					1.85
49.417	0.00	0.04	0.117	0					1.85
49.500	0.00	0.04	0.116	0					1.84
49.583	0.00	0.04	0.116	0					1.84
49.667	0.00	0.04	0.116	0					1.84
49.750	0.00	0.04	0.116	0					1.83
49.833	0.00	0.04	0.115	0					1.83
49.917	0.00	0.04	0.115	0					1.83
50.000	0.00	0.04	0.115	0					1.82
50.083	0.00	0.04	0.115	0					1.82
50.167	0.00	0.04	0.114	0					1.82
50.250	0.00	0.04	0.114	0					1.81
50.333	0.00	0.04	0.114	0					1.81
50.417	0.00	0.04	0.114	0					1.81
50.500	0.00	0.04	0.113	0					1.81
50.583	0.00	0.04	0.113	0					1.80
50.667	0.00	0.04	0.113	0					1.80
50.750	0.00	0.04	0.113	0					1.80
50.833	0.00	0.04	0.112	0					1.79
50.917	0.00	0.04	0.112	0					1.79
51.000	0.00	0.04	0.112	0					1.79
51.083	0.00	0.04	0.112	0					1.78
51.167	0.00	0.04	0.111	0					1.78
51.250	0.00	0.04	0.111	0					1.78
51.333	0.00	0.04	0.111	0					1.77
51.417	0.00	0.04	0.111	0					1.77
51.500	0.00	0.04	0.110	0					1.77
51.583	0.00	0.04	0.110	0					1.76
51.667	0.00	0.04	0.110	0					1.76
51.750	0.00	0.04	0.110	0					1.76
51.833	0.00	0.04	0.109	0					1.75

51.917	0.00	0.04	0.109	0					1.75
52.000	0.00	0.04	0.109	0					1.75
52.083	0.00	0.04	0.109	0					1.75
52.167	0.00	0.04	0.108	0					1.74
52.250	0.00	0.04	0.108	0					1.74
52.333	0.00	0.04	0.108	0					1.74
52.417	0.00	0.04	0.108	0					1.73
52.500	0.00	0.04	0.107	0					1.73
52.583	0.00	0.04	0.107	0					1.73
52.667	0.00	0.04	0.107	0					1.72
52.750	0.00	0.04	0.107	0					1.72
52.833	0.00	0.04	0.106	0					1.72
52.917	0.00	0.04	0.106	0					1.71
53.000	0.00	0.04	0.106	0					1.71
53.083	0.00	0.04	0.106	0					1.71
53.167	0.00	0.04	0.105	0					1.71
53.250	0.00	0.04	0.105	0					1.70
53.333	0.00	0.04	0.105	0					1.70
53.417	0.00	0.04	0.105	0					1.70
53.500	0.00	0.04	0.104	0					1.69
53.583	0.00	0.04	0.104	0					1.69
53.667	0.00	0.04	0.104	0					1.69
53.750	0.00	0.04	0.104	0					1.68
53.833	0.00	0.04	0.103	0					1.68
53.917	0.00	0.04	0.103	0					1.68
54.000	0.00	0.04	0.103	0					1.67
54.083	0.00	0.04	0.103	0					1.67
54.167	0.00	0.04	0.102	0					1.67
54.250	0.00	0.04	0.102	0					1.67
54.333	0.00	0.04	0.102	0					1.66
54.417	0.00	0.04	0.102	0					1.66
54.500	0.00	0.04	0.102	0					1.66
54.583	0.00	0.04	0.101	0					1.65
54.667	0.00	0.04	0.101	0					1.65
54.750	0.00	0.04	0.101	0					1.65
54.833	0.00	0.04	0.101	0					1.64
54.917	0.00	0.04	0.100	0					1.64
55.000	0.00	0.04	0.100	0					1.64
55.083	0.00	0.03	0.100	0					1.64
55.167	0.00	0.03	0.100	0					1.63
55.250	0.00	0.03	0.099	0					1.63
55.333	0.00	0.03	0.099	0					1.63
55.417	0.00	0.03	0.099	0					1.62
55.500	0.00	0.03	0.099	0					1.62
55.583	0.00	0.03	0.098	0					1.62
55.667	0.00	0.03	0.098	0					1.61
55.750	0.00	0.03	0.098	0					1.61
55.833	0.00	0.03	0.098	0					1.61
55.917	0.00	0.03	0.097	0					1.61
56.000	0.00	0.03	0.097	0					1.60

56.083	0.00	0.03	0.097	0					1.60
56.167	0.00	0.03	0.097	0					1.60
56.250	0.00	0.03	0.096	0					1.59
56.333	0.00	0.03	0.096	0					1.59
56.417	0.00	0.03	0.096	0					1.59
56.500	0.00	0.03	0.096	0					1.58
56.583	0.00	0.03	0.096	0					1.58
56.667	0.00	0.03	0.095	0					1.58
56.750	0.00	0.03	0.095	0					1.58
56.833	0.00	0.03	0.095	0					1.57
56.917	0.00	0.03	0.095	0					1.57
57.000	0.00	0.03	0.094	0					1.57
57.083	0.00	0.03	0.094	0					1.56
57.167	0.00	0.03	0.094	0					1.56
57.250	0.00	0.03	0.094	0					1.56
57.333	0.00	0.03	0.093	0					1.55
57.417	0.00	0.03	0.093	0					1.55
57.500	0.00	0.03	0.093	0					1.55
57.583	0.00	0.03	0.093	0					1.55
57.667	0.00	0.03	0.092	0					1.54
57.750	0.00	0.03	0.092	0					1.54
57.833	0.00	0.03	0.092	0					1.54
57.917	0.00	0.03	0.092	0					1.53
58.000	0.00	0.03	0.092	0					1.53
58.083	0.00	0.03	0.091	0					1.53
58.167	0.00	0.03	0.091	0					1.53
58.250	0.00	0.03	0.091	0					1.52
58.333	0.00	0.03	0.091	0					1.52
58.417	0.00	0.03	0.090	0					1.52
58.500	0.00	0.03	0.090	0					1.51
58.583	0.00	0.03	0.090	0					1.51
58.667	0.00	0.03	0.090	0					1.51
58.750	0.00	0.03	0.089	0					1.51
58.833	0.00	0.03	0.089	0					1.50
58.917	0.00	0.03	0.089	0					1.50
59.000	0.00	0.03	0.089	0					1.50
59.083	0.00	0.03	0.089	0					1.49
59.167	0.00	0.03	0.088	0					1.49
59.250	0.00	0.03	0.088	0					1.49
59.333	0.00	0.03	0.088	0					1.49
59.417	0.00	0.03	0.088	0					1.48
59.500	0.00	0.03	0.087	0					1.48
59.583	0.00	0.03	0.087	0					1.48
59.667	0.00	0.03	0.087	0					1.47
59.750	0.00	0.03	0.087	0					1.47
59.833	0.00	0.03	0.086	0					1.47
59.917	0.00	0.03	0.086	0					1.47
60.000	0.00	0.03	0.086	0					1.46
60.083	0.00	0.03	0.086	0					1.46
60.167	0.00	0.03	0.086	0					1.46

60.250	0.00	0.03	0.085	0					1.45
60.333	0.00	0.03	0.085	0					1.45
60.417	0.00	0.03	0.085	0					1.45
60.500	0.00	0.03	0.085	0					1.45
60.583	0.00	0.03	0.084	0					1.44
60.667	0.00	0.03	0.084	0					1.44
60.750	0.00	0.03	0.084	0					1.44
60.833	0.00	0.03	0.084	0					1.43
60.917	0.00	0.03	0.083	0					1.43
61.000	0.00	0.03	0.083	0					1.43
61.083	0.00	0.03	0.083	0					1.43
61.167	0.00	0.03	0.083	0					1.42
61.250	0.00	0.03	0.083	0					1.42
61.333	0.00	0.03	0.082	0					1.42
61.417	0.00	0.03	0.082	0					1.41
61.500	0.00	0.03	0.082	0					1.41
61.583	0.00	0.03	0.082	0					1.41
61.667	0.00	0.03	0.081	0					1.41
61.750	0.00	0.03	0.081	0					1.40
61.833	0.00	0.03	0.081	0					1.40
61.917	0.00	0.03	0.081	0					1.40
62.000	0.00	0.03	0.081	0					1.39
62.083	0.00	0.03	0.080	0					1.39
62.167	0.00	0.03	0.080	0					1.39
62.250	0.00	0.03	0.080	0					1.39
62.333	0.00	0.03	0.080	0					1.38
62.417	0.00	0.03	0.079	0					1.38
62.500	0.00	0.03	0.079	0					1.38
62.583	0.00	0.03	0.079	0					1.38
62.667	0.00	0.03	0.079	0					1.37
62.750	0.00	0.03	0.079	0					1.37
62.833	0.00	0.03	0.078	0					1.37
62.917	0.00	0.03	0.078	0					1.36
63.000	0.00	0.03	0.078	0					1.36
63.083	0.00	0.03	0.078	0					1.36
63.167	0.00	0.03	0.077	0					1.36
63.250	0.00	0.03	0.077	0					1.35
63.333	0.00	0.03	0.077	0					1.35
63.417	0.00	0.03	0.077	0					1.35
63.500	0.00	0.03	0.077	0					1.35
63.583	0.00	0.03	0.076	0					1.34
63.667	0.00	0.03	0.076	0					1.34
63.750	0.00	0.03	0.076	0					1.34
63.833	0.00	0.03	0.076	0					1.33
63.917	0.00	0.03	0.076	0					1.33
64.000	0.00	0.03	0.075	0					1.33
64.083	0.00	0.03	0.075	0					1.33
64.167	0.00	0.03	0.075	0					1.32
64.250	0.00	0.03	0.075	0					1.32
64.333	0.00	0.03	0.074	0					1.32

64.417	0.00	0.03	0.074	0					1.32
64.500	0.00	0.03	0.074	0					1.31
64.583	0.00	0.03	0.074	0					1.31
64.667	0.00	0.03	0.074	0					1.31
64.750	0.00	0.03	0.073	0					1.30
64.833	0.00	0.03	0.073	0					1.30
64.917	0.00	0.03	0.073	0					1.30
65.000	0.00	0.03	0.073	0					1.30
65.083	0.00	0.03	0.072	0					1.29
65.167	0.00	0.03	0.072	0					1.29
65.250	0.00	0.03	0.072	0					1.29
65.333	0.00	0.03	0.072	0					1.29
65.417	0.00	0.03	0.072	0					1.28
65.500	0.00	0.03	0.071	0					1.28
65.583	0.00	0.03	0.071	0					1.28
65.667	0.00	0.03	0.071	0					1.27
65.750	0.00	0.03	0.071	0					1.27
65.833	0.00	0.03	0.071	0					1.27
65.917	0.00	0.03	0.070	0					1.27
66.000	0.00	0.03	0.070	0					1.26
66.083	0.00	0.03	0.070	0					1.26
66.167	0.00	0.03	0.070	0					1.26
66.250	0.00	0.03	0.069	0					1.26
66.333	0.00	0.03	0.069	0					1.25
66.417	0.00	0.03	0.069	0					1.25
66.500	0.00	0.03	0.069	0					1.25
66.583	0.00	0.03	0.069	0					1.25
66.667	0.00	0.03	0.068	0					1.24
66.750	0.00	0.03	0.068	0					1.24
66.833	0.00	0.03	0.068	0					1.24
66.917	0.00	0.03	0.068	0					1.24
67.000	0.00	0.03	0.068	0					1.23
67.083	0.00	0.03	0.067	0					1.23
67.167	0.00	0.03	0.067	0					1.23
67.250	0.00	0.03	0.067	0					1.22
67.333	0.00	0.03	0.067	0					1.22
67.417	0.00	0.03	0.067	0					1.22
67.500	0.00	0.03	0.066	0					1.22
67.583	0.00	0.03	0.066	0					1.21
67.667	0.00	0.03	0.066	0					1.21
67.750	0.00	0.03	0.066	0					1.21
67.833	0.00	0.03	0.065	0					1.21
67.917	0.00	0.03	0.065	0					1.20
68.000	0.00	0.03	0.065	0					1.20
68.083	0.00	0.03	0.065	0					1.20
68.167	0.00	0.03	0.065	0					1.20
68.250	0.00	0.03	0.064	0					1.19
68.333	0.00	0.03	0.064	0					1.19
68.417	0.00	0.03	0.064	0					1.19
68.500	0.00	0.03	0.064	0					1.19

68.583	0.00	0.03	0.064	0					1.18
68.667	0.00	0.03	0.063	0					1.18
68.750	0.00	0.03	0.063	0					1.18
68.833	0.00	0.03	0.063	0					1.18
68.917	0.00	0.03	0.063	0					1.17
69.000	0.00	0.03	0.063	0					1.17
69.083	0.00	0.03	0.062	0					1.17
69.167	0.00	0.03	0.062	0					1.16
69.250	0.00	0.03	0.062	0					1.16
69.333	0.00	0.03	0.062	0					1.16
69.417	0.00	0.03	0.062	0					1.16
69.500	0.00	0.03	0.061	0					1.15
69.583	0.00	0.03	0.061	0					1.15
69.667	0.00	0.03	0.061	0					1.15
69.750	0.00	0.03	0.061	0					1.15
69.833	0.00	0.03	0.061	0					1.14
69.917	0.00	0.03	0.060	0					1.14
70.000	0.00	0.03	0.060	0					1.14
70.083	0.00	0.03	0.060	0					1.14
70.167	0.00	0.03	0.060	0					1.13
70.250	0.00	0.03	0.060	0					1.13
70.333	0.00	0.03	0.059	0					1.13
70.417	0.00	0.03	0.059	0					1.13
70.500	0.00	0.03	0.059	0					1.12
70.583	0.00	0.03	0.059	0					1.12
70.667	0.00	0.03	0.059	0					1.12
70.750	0.00	0.03	0.058	0					1.12
70.833	0.00	0.03	0.058	0					1.11
70.917	0.00	0.03	0.058	0					1.11
71.000	0.00	0.03	0.058	0					1.11
71.083	0.00	0.03	0.058	0					1.11
71.167	0.00	0.03	0.057	0					1.10
71.250	0.00	0.03	0.057	0					1.10
71.333	0.00	0.03	0.057	0					1.10
71.417	0.00	0.03	0.057	0					1.10
71.500	0.00	0.03	0.057	0					1.09
71.583	0.00	0.03	0.056	0					1.09
71.667	0.00	0.03	0.056	0					1.09
71.750	0.00	0.03	0.056	0					1.09
71.833	0.00	0.03	0.056	0					1.08
71.917	0.00	0.03	0.056	0					1.08
72.000	0.00	0.03	0.055	0					1.08
72.083	0.00	0.03	0.055	0					1.08
72.167	0.00	0.03	0.055	0					1.07
72.250	0.00	0.03	0.055	0					1.07
72.333	0.00	0.03	0.055	0					1.07
72.417	0.00	0.03	0.054	0					1.07
72.500	0.00	0.03	0.054	0					1.06
72.583	0.00	0.03	0.054	0					1.06
72.667	0.00	0.03	0.054	0					1.06

72.750	0.00	0.03	0.054	0					1.06
72.833	0.00	0.03	0.053	0					1.05
72.917	0.00	0.03	0.053	0					1.05
73.000	0.00	0.03	0.053	0					1.05
73.083	0.00	0.03	0.053	0					1.05
73.167	0.00	0.03	0.053	0					1.04
73.250	0.00	0.03	0.052	0					1.04
73.333	0.00	0.03	0.052	0					1.04
73.417	0.00	0.03	0.052	0					1.04
73.500	0.00	0.03	0.052	0					1.03
73.583	0.00	0.03	0.052	0					1.03
73.667	0.00	0.03	0.051	0					1.03
73.750	0.00	0.03	0.051	0					1.03
73.833	0.00	0.03	0.051	0					1.02
73.917	0.00	0.03	0.051	0					1.02
74.000	0.00	0.03	0.051	0					1.02
74.083	0.00	0.03	0.050	0					1.02
74.167	0.00	0.03	0.050	0					1.02
74.250	0.00	0.03	0.050	0					1.01
74.333	0.00	0.03	0.050	0					1.01
74.417	0.00	0.03	0.050	0					1.01
74.500	0.00	0.03	0.049	0					1.01
74.583	0.00	0.03	0.049	0					1.00
74.667	0.00	0.03	0.049	0					1.00
74.750	0.00	0.03	0.049	0					1.00
74.833	0.00	0.03	0.049	0					0.99
74.917	0.00	0.03	0.048	0					0.99
75.000	0.00	0.03	0.048	0					0.99
75.083	0.00	0.03	0.048	0					0.98
75.167	0.00	0.03	0.048	0					0.98
75.250	0.00	0.03	0.048	0					0.98
75.333	0.00	0.03	0.048	0					0.97
75.417	0.00	0.03	0.047	0					0.97
75.500	0.00	0.03	0.047	0					0.96
75.583	0.00	0.03	0.047	0					0.96
75.667	0.00	0.03	0.047	0					0.96
75.750	0.00	0.03	0.047	0					0.95
75.833	0.00	0.03	0.046	0					0.95
75.917	0.00	0.03	0.046	0					0.95
76.000	0.00	0.03	0.046	0					0.94
76.083	0.00	0.03	0.046	0					0.94
76.167	0.00	0.03	0.046	0					0.94
76.250	0.00	0.03	0.045	0					0.93
76.333	0.00	0.03	0.045	0					0.93
76.417	0.00	0.03	0.045	0					0.93
76.500	0.00	0.03	0.045	0					0.92
76.583	0.00	0.03	0.045	0					0.92
76.667	0.00	0.03	0.045	0					0.92
76.750	0.00	0.03	0.044	0					0.91
76.833	0.00	0.03	0.044	0					0.91

76.917	0.00	0.03	0.044	0					0.91
77.000	0.00	0.03	0.044	0					0.90
77.083	0.00	0.03	0.044	0					0.90
77.167	0.00	0.03	0.044	0					0.90
77.250	0.00	0.03	0.043	0					0.89
77.333	0.00	0.03	0.043	0					0.89
77.417	0.00	0.03	0.043	0					0.89
77.500	0.00	0.03	0.043	0					0.88
77.583	0.00	0.03	0.043	0					0.88
77.667	0.00	0.02	0.042	0					0.88
77.750	0.00	0.02	0.042	0					0.87
77.833	0.00	0.02	0.042	0					0.87
77.917	0.00	0.02	0.042	0					0.87
78.000	0.00	0.02	0.042	0					0.86
78.083	0.00	0.02	0.042	0					0.86
78.167	0.00	0.02	0.041	0					0.86
78.250	0.00	0.02	0.041	0					0.85
78.333	0.00	0.02	0.041	0					0.85
78.417	0.00	0.02	0.041	0					0.85
78.500	0.00	0.02	0.041	0					0.84
78.583	0.00	0.02	0.041	0					0.84
78.667	0.00	0.02	0.040	0					0.84
78.750	0.00	0.02	0.040	0					0.83
78.833	0.00	0.02	0.040	0					0.83
78.917	0.00	0.02	0.040	0					0.83
79.000	0.00	0.02	0.040	0					0.82
79.083	0.00	0.02	0.040	0					0.82
79.167	0.00	0.02	0.039	0					0.82
79.250	0.00	0.02	0.039	0					0.81
79.333	0.00	0.02	0.039	0					0.81
79.417	0.00	0.02	0.039	0					0.81
79.500	0.00	0.02	0.039	0					0.81
79.583	0.00	0.02	0.039	0					0.80
79.667	0.00	0.02	0.039	0					0.80
79.750	0.00	0.02	0.038	0					0.80
79.833	0.00	0.02	0.038	0					0.79
79.917	0.00	0.02	0.038	0					0.79
80.000	0.00	0.02	0.038	0					0.79
80.083	0.00	0.02	0.038	0					0.78
80.167	0.00	0.02	0.038	0					0.78
80.250	0.00	0.02	0.037	0					0.78
80.333	0.00	0.02	0.037	0					0.78
80.417	0.00	0.02	0.037	0					0.77
80.500	0.00	0.02	0.037	0					0.77
80.583	0.00	0.02	0.037	0					0.77
80.667	0.00	0.02	0.037	0					0.76
80.750	0.00	0.02	0.036	0					0.76
80.833	0.00	0.02	0.036	0					0.76
80.917	0.00	0.02	0.036	0					0.75
81.000	0.00	0.02	0.036	0					0.75

81.083	0.00	0.02	0.036	0					0.75
81.167	0.00	0.02	0.036	0					0.75
81.250	0.00	0.02	0.036	0					0.74
81.333	0.00	0.02	0.035	0					0.74
81.417	0.00	0.02	0.035	0					0.74
81.500	0.00	0.02	0.035	0					0.73
81.583	0.00	0.02	0.035	0					0.73
81.667	0.00	0.02	0.035	0					0.73
81.750	0.00	0.02	0.035	0					0.73
81.833	0.00	0.02	0.035	0					0.72
81.917	0.00	0.02	0.034	0					0.72
82.000	0.00	0.02	0.034	0					0.72
82.083	0.00	0.02	0.034	0					0.72
82.167	0.00	0.02	0.034	0					0.71
82.250	0.00	0.02	0.034	0					0.71
82.333	0.00	0.02	0.034	0					0.71
82.417	0.00	0.02	0.034	0					0.70
82.500	0.00	0.02	0.033	0					0.70
82.583	0.00	0.02	0.033	0					0.70
82.667	0.00	0.02	0.033	0					0.70
82.750	0.00	0.02	0.033	0					0.69
82.833	0.00	0.02	0.033	0					0.69
82.917	0.00	0.02	0.033	0					0.69
83.000	0.00	0.02	0.033	0					0.69
83.083	0.00	0.02	0.032	0					0.68
83.167	0.00	0.02	0.032	0					0.68
83.250	0.00	0.02	0.032	0					0.68
83.333	0.00	0.02	0.032	0					0.67
83.417	0.00	0.02	0.032	0					0.67
83.500	0.00	0.02	0.032	0					0.67
83.583	0.00	0.02	0.032	0					0.67
83.667	0.00	0.02	0.031	0					0.66
83.750	0.00	0.02	0.031	0					0.66
83.833	0.00	0.02	0.031	0					0.66
83.917	0.00	0.02	0.031	0					0.66
84.000	0.00	0.02	0.031	0					0.65
84.083	0.00	0.02	0.031	0					0.65
84.167	0.00	0.02	0.031	0					0.65
84.250	0.00	0.02	0.031	0					0.65
84.333	0.00	0.02	0.030	0					0.64
84.417	0.00	0.02	0.030	0					0.64
84.500	0.00	0.02	0.030	0					0.64
84.583	0.00	0.02	0.030	0					0.64
84.667	0.00	0.02	0.030	0					0.63
84.750	0.00	0.02	0.030	0					0.63
84.833	0.00	0.02	0.030	0					0.63
84.917	0.00	0.02	0.029	0					0.63
85.000	0.00	0.02	0.029	0					0.62
85.083	0.00	0.02	0.029	0					0.62
85.167	0.00	0.02	0.029	0					0.62

85.250	0.00	0.02	0.029	0					0.62
85.333	0.00	0.02	0.029	0					0.61
85.417	0.00	0.02	0.029	0					0.61
85.500	0.00	0.02	0.029	0					0.61
85.583	0.00	0.02	0.028	0					0.61
85.667	0.00	0.02	0.028	0					0.60
85.750	0.00	0.02	0.028	0					0.60
85.833	0.00	0.02	0.028	0					0.60
85.917	0.00	0.02	0.028	0					0.60
86.000	0.00	0.02	0.028	0					0.59
86.083	0.00	0.02	0.028	0					0.59
86.167	0.00	0.02	0.028	0					0.59
86.250	0.00	0.02	0.027	0					0.59
86.333	0.00	0.02	0.027	0					0.58
86.417	0.00	0.02	0.027	0					0.58
86.500	0.00	0.02	0.027	0					0.58
86.583	0.00	0.02	0.027	0					0.58
86.667	0.00	0.02	0.027	0					0.58
86.750	0.00	0.02	0.027	0					0.57
86.833	0.00	0.02	0.027	0					0.57
86.917	0.00	0.02	0.026	0					0.57
87.000	0.00	0.02	0.026	0					0.57
87.083	0.00	0.02	0.026	0					0.56
87.167	0.00	0.02	0.026	0					0.56
87.250	0.00	0.02	0.026	0					0.56
87.333	0.00	0.02	0.026	0					0.56
87.417	0.00	0.02	0.026	0					0.55
87.500	0.00	0.02	0.026	0					0.55
87.583	0.00	0.02	0.026	0					0.55
87.667	0.00	0.02	0.025	0					0.55
87.750	0.00	0.02	0.025	0					0.55
87.833	0.00	0.02	0.025	0					0.54
87.917	0.00	0.02	0.025	0					0.54
88.000	0.00	0.02	0.025	0					0.54
88.083	0.00	0.02	0.025	0					0.54
88.167	0.00	0.02	0.025	0					0.53
88.250	0.00	0.02	0.025	0					0.53
88.333	0.00	0.02	0.024	0					0.53
88.417	0.00	0.02	0.024	0					0.53
88.500	0.00	0.02	0.024	0					0.53
88.583	0.00	0.02	0.024	0					0.52
88.667	0.00	0.02	0.024	0					0.52
88.750	0.00	0.02	0.024	0					0.52
88.833	0.00	0.02	0.024	0					0.52
88.917	0.00	0.02	0.024	0					0.52
89.000	0.00	0.02	0.024	0					0.51
89.083	0.00	0.02	0.023	0					0.51
89.167	0.00	0.02	0.023	0					0.51
89.250	0.00	0.02	0.023	0					0.51
89.333	0.00	0.02	0.023	0					0.50

89.417	0.00	0.02	0.023	0					0.50
89.500	0.00	0.02	0.023	0					0.50
89.583	0.00	0.02	0.023	0					0.50
89.667	0.00	0.02	0.023	0					0.50
89.750	0.00	0.02	0.023	0					0.49
89.833	0.00	0.02	0.022	0					0.49
89.917	0.00	0.02	0.022	0					0.49
90.000	0.00	0.02	0.022	0					0.49
90.083	0.00	0.02	0.022	0					0.49
90.167	0.00	0.02	0.022	0					0.48
90.250	0.00	0.02	0.022	0					0.48
90.333	0.00	0.02	0.022	0					0.48
90.417	0.00	0.02	0.022	0					0.48
90.500	0.00	0.02	0.022	0					0.48
90.583	0.00	0.02	0.022	0					0.47
90.667	0.00	0.02	0.021	0					0.47
90.750	0.00	0.02	0.021	0					0.47
90.833	0.00	0.01	0.021	0					0.47
90.917	0.00	0.01	0.021	0					0.47
91.000	0.00	0.01	0.021	0					0.46
91.083	0.00	0.01	0.021	0					0.46
91.167	0.00	0.01	0.021	0					0.46
91.250	0.00	0.01	0.021	0					0.46
91.333	0.00	0.01	0.021	0					0.46
91.417	0.00	0.01	0.021	0					0.45
91.500	0.00	0.01	0.020	0					0.45
91.583	0.00	0.01	0.020	0					0.45
91.667	0.00	0.01	0.020	0					0.45
91.750	0.00	0.01	0.020	0					0.45
91.833	0.00	0.01	0.020	0					0.44
91.917	0.00	0.01	0.020	0					0.44
92.000	0.00	0.01	0.020	0					0.44
92.083	0.00	0.01	0.020	0					0.44
92.167	0.00	0.01	0.020	0					0.44
92.250	0.00	0.01	0.020	0					0.44
92.333	0.00	0.01	0.019	0					0.43
92.417	0.00	0.01	0.019	0					0.43
92.500	0.00	0.01	0.019	0					0.43
92.583	0.00	0.01	0.019	0					0.43
92.667	0.00	0.01	0.019	0					0.43
92.750	0.00	0.01	0.019	0					0.42
92.833	0.00	0.01	0.019	0					0.42
92.917	0.00	0.01	0.019	0					0.42
93.000	0.00	0.01	0.019	0					0.42
93.083	0.00	0.01	0.019	0					0.42
93.167	0.00	0.01	0.018	0					0.42
93.250	0.00	0.01	0.018	0					0.41
93.333	0.00	0.01	0.018	0					0.41
93.417	0.00	0.01	0.018	0					0.41
93.500	0.00	0.01	0.018	0					0.41

93.583	0.00	0.01	0.018	0					0.41
93.667	0.00	0.01	0.018	0					0.40
93.750	0.00	0.01	0.018	0					0.40
93.833	0.00	0.01	0.018	0					0.40
93.917	0.00	0.01	0.018	0					0.40
94.000	0.00	0.01	0.018	0					0.40
94.083	0.00	0.01	0.017	0					0.40
94.167	0.00	0.01	0.017	0					0.39
94.250	0.00	0.01	0.017	0					0.39
94.333	0.00	0.01	0.017	0					0.39
94.417	0.00	0.01	0.017	0					0.39
94.500	0.00	0.01	0.017	0					0.39
94.583	0.00	0.01	0.017	0					0.39
94.667	0.00	0.01	0.017	0					0.38
94.750	0.00	0.01	0.017	0					0.38
94.833	0.00	0.01	0.017	0					0.38
94.917	0.00	0.01	0.017	0					0.38
95.000	0.00	0.01	0.016	0					0.38
95.083	0.00	0.01	0.016	0					0.37
95.167	0.00	0.01	0.016	0					0.37
95.250	0.00	0.01	0.016	0					0.37
95.333	0.00	0.01	0.016	0					0.37
95.417	0.00	0.01	0.016	0					0.37
95.500	0.00	0.01	0.016	0					0.37
95.583	0.00	0.01	0.016	0					0.36
95.667	0.00	0.01	0.016	0					0.36
95.750	0.00	0.01	0.016	0					0.36
95.833	0.00	0.01	0.016	0					0.36
95.917	0.00	0.01	0.015	0					0.36
96.000	0.00	0.01	0.015	0					0.36
96.083	0.00	0.01	0.015	0					0.36
96.167	0.00	0.01	0.015	0					0.35
96.250	0.00	0.01	0.015	0					0.35
96.333	0.00	0.01	0.015	0					0.35
96.417	0.00	0.01	0.015	0					0.35
96.500	0.00	0.01	0.015	0					0.35
96.583	0.00	0.01	0.015	0					0.35
96.667	0.00	0.01	0.015	0					0.34
96.750	0.00	0.01	0.015	0					0.34
96.833	0.00	0.01	0.015	0					0.34
96.917	0.00	0.01	0.014	0					0.34
97.000	0.00	0.01	0.014	0					0.34
97.083	0.00	0.01	0.014	0					0.34
97.167	0.00	0.01	0.014	0					0.33
97.250	0.00	0.01	0.014	0					0.33
97.333	0.00	0.01	0.014	0					0.33
97.417	0.00	0.01	0.014	0					0.33
97.500	0.00	0.01	0.014	0					0.33
97.583	0.00	0.01	0.014	0					0.33
97.667	0.00	0.01	0.014	0					0.33

97.750	0.00	0.01	0.014	0					0.32
97.833	0.00	0.01	0.014	0					0.32
97.917	0.00	0.01	0.014	0					0.32
98.000	0.00	0.01	0.013	0					0.32
98.083	0.00	0.01	0.013	0					0.32
98.167	0.00	0.01	0.013	0					0.32
98.250	0.00	0.01	0.013	0					0.31
98.333	0.00	0.01	0.013	0					0.31
98.417	0.00	0.01	0.013	0					0.31
98.500	0.00	0.01	0.013	0					0.31
98.583	0.00	0.01	0.013	0					0.31
98.667	0.00	0.01	0.013	0					0.31
98.750	0.00	0.01	0.013	0					0.31
98.833	0.00	0.01	0.013	0					0.30
98.917	0.00	0.01	0.013	0					0.30
99.000	0.00	0.01	0.013	0					0.30
99.083	0.00	0.01	0.012	0					0.30
99.167	0.00	0.01	0.012	0					0.30
99.250	0.00	0.01	0.012	0					0.30
99.333	0.00	0.01	0.012	0					0.30
99.417	0.00	0.01	0.012	0					0.29
99.500	0.00	0.01	0.012	0					0.29
99.583	0.00	0.01	0.012	0					0.29
99.667	0.00	0.01	0.012	0					0.29
99.750	0.00	0.01	0.012	0					0.29
99.833	0.00	0.01	0.012	0					0.29
99.917	0.00	0.01	0.012	0					0.29
100.000	0.00	0.01	0.012	0					0.28
100.083	0.00	0.01	0.012	0					0.28
100.167	0.00	0.01	0.012	0					0.28
100.250	0.00	0.01	0.011	0					0.28
100.333	0.00	0.01	0.011	0					0.28
100.417	0.00	0.01	0.011	0					0.28
100.500	0.00	0.01	0.011	0					0.28
100.583	0.00	0.01	0.011	0					0.28
100.667	0.00	0.01	0.011	0					0.27
100.750	0.00	0.01	0.011	0					0.27
100.833	0.00	0.01	0.011	0					0.27
100.917	0.00	0.01	0.011	0					0.27
101.000	0.00	0.01	0.011	0					0.27
101.083	0.00	0.01	0.011	0					0.27
101.167	0.00	0.01	0.011	0					0.27
101.250	0.00	0.01	0.011	0					0.26
101.333	0.00	0.01	0.011	0					0.26
101.417	0.00	0.01	0.010	0					0.26
101.500	0.00	0.01	0.010	0					0.26
101.583	0.00	0.01	0.010	0					0.26
101.667	0.00	0.01	0.010	0					0.26
101.750	0.00	0.01	0.010	0					0.26
101.833	0.00	0.01	0.010	0					0.26

101.917	0.00	0.01	0.010	0					0.25
102.000	0.00	0.01	0.010	0					0.25
102.083	0.00	0.01	0.010	0					0.25
102.167	0.00	0.01	0.010	0					0.25
102.250	0.00	0.01	0.010	0					0.25
102.333	0.00	0.01	0.010	0					0.25
102.417	0.00	0.01	0.010	0					0.25
102.500	0.00	0.01	0.010	0					0.25
102.583	0.00	0.01	0.010	0					0.24
102.667	0.00	0.01	0.009	0					0.24
102.750	0.00	0.01	0.009	0					0.24
102.833	0.00	0.01	0.009	0					0.24
102.917	0.00	0.01	0.009	0					0.24
103.000	0.00	0.01	0.009	0					0.24
103.083	0.00	0.01	0.009	0					0.24
103.167	0.00	0.01	0.009	0					0.24
103.250	0.00	0.01	0.009	0					0.23
103.333	0.00	0.01	0.009	0					0.23
103.417	0.00	0.01	0.009	0					0.23
103.500	0.00	0.01	0.009	0					0.23
103.583	0.00	0.01	0.009	0					0.23
103.667	0.00	0.01	0.009	0					0.23
103.750	0.00	0.01	0.009	0					0.23
103.833	0.00	0.01	0.009	0					0.23
103.917	0.00	0.01	0.008	0					0.22
104.000	0.00	0.01	0.008	0					0.22
104.083	0.00	0.01	0.008	0					0.22
104.167	0.00	0.01	0.008	0					0.22
104.250	0.00	0.01	0.008	0					0.22
104.333	0.00	0.01	0.008	0					0.22
104.417	0.00	0.01	0.008	0					0.22
104.500	0.00	0.01	0.008	0					0.22
104.583	0.00	0.01	0.008	0					0.21
104.667	0.00	0.01	0.008	0					0.21
104.750	0.00	0.01	0.008	0					0.21
104.833	0.00	0.01	0.008	0					0.21
104.917	0.00	0.01	0.008	0					0.21
105.000	0.00	0.01	0.008	0					0.21
105.083	0.00	0.01	0.008	0					0.21
105.167	0.00	0.01	0.008	0					0.21
105.250	0.00	0.01	0.008	0					0.21
105.333	0.00	0.01	0.007	0					0.20
105.417	0.00	0.01	0.007	0					0.20
105.500	0.00	0.01	0.007	0					0.20
105.583	0.00	0.01	0.007	0					0.20
105.667	0.00	0.01	0.007	0					0.20
105.750	0.00	0.01	0.007	0					0.20
105.833	0.00	0.01	0.007	0					0.20
105.917	0.00	0.01	0.007	0					0.20
106.000	0.00	0.01	0.007	0					0.20

106.083	0.00	0.01	0.007	0					0.19
106.167	0.00	0.01	0.007	0					0.19
106.250	0.00	0.01	0.007	0					0.19
106.333	0.00	0.01	0.007	0					0.19
106.417	0.00	0.01	0.007	0					0.19
106.500	0.00	0.01	0.007	0					0.19
106.583	0.00	0.01	0.007	0					0.19
106.667	0.00	0.01	0.007	0					0.19
106.750	0.00	0.01	0.006	0					0.19
106.833	0.00	0.01	0.006	0					0.18
106.917	0.00	0.01	0.006	0					0.18
107.000	0.00	0.01	0.006	0					0.18
107.083	0.00	0.01	0.006	0					0.18
107.167	0.00	0.01	0.006	0					0.18
107.250	0.00	0.01	0.006	0					0.18
107.333	0.00	0.01	0.006	0					0.18
107.417	0.00	0.01	0.006	0					0.18
107.500	0.00	0.01	0.006	0					0.18
107.583	0.00	0.01	0.006	0					0.18
107.667	0.00	0.01	0.006	0					0.17
107.750	0.00	0.01	0.006	0					0.17
107.833	0.00	0.01	0.006	0					0.17
107.917	0.00	0.01	0.006	0					0.17
108.000	0.00	0.01	0.006	0					0.17
108.083	0.00	0.01	0.006	0					0.17
108.167	0.00	0.01	0.006	0					0.17
108.250	0.00	0.01	0.006	0					0.17
108.333	0.00	0.01	0.005	0					0.17
108.417	0.00	0.01	0.005	0					0.17
108.500	0.00	0.01	0.005	0					0.16
108.583	0.00	0.01	0.005	0					0.16
108.667	0.00	0.01	0.005	0					0.16
108.750	0.00	0.01	0.005	0					0.16
108.833	0.00	0.01	0.005	0					0.16
108.917	0.00	0.01	0.005	0					0.16
109.000	0.00	0.01	0.005	0					0.16
109.083	0.00	0.01	0.005	0					0.16
109.167	0.00	0.01	0.005	0					0.16
109.250	0.00	0.01	0.005	0					0.16
109.333	0.00	0.01	0.005	0					0.15
109.417	0.00	0.01	0.005	0					0.15
109.500	0.00	0.01	0.005	0					0.15
109.583	0.00	0.01	0.005	0					0.15
109.667	0.00	0.01	0.005	0					0.15
109.750	0.00	0.01	0.005	0					0.15
109.833	0.00	0.01	0.005	0					0.15
109.917	0.00	0.01	0.004	0					0.15
110.000	0.00	0.01	0.004	0					0.15
110.083	0.00	0.01	0.004	0					0.15
110.167	0.00	0.01	0.004	0					0.14

110.250	0.00	0.01	0.004	0					0.14
110.333	0.00	0.01	0.004	0					0.14
110.417	0.00	0.01	0.004	0					0.14
110.500	0.00	0.01	0.004	0					0.14
110.583	0.00	0.01	0.004	0					0.14
110.667	0.00	0.01	0.004	0					0.14
110.750	0.00	0.01	0.004	0					0.14
110.833	0.00	0.01	0.004	0					0.14
110.917	0.00	0.01	0.004	0					0.14
111.000	0.00	0.01	0.004	0					0.14
111.083	0.00	0.01	0.004	0					0.13
111.167	0.00	0.01	0.004	0					0.13
111.250	0.00	0.01	0.004	0					0.13
111.333	0.00	0.01	0.004	0					0.13
111.417	0.00	0.01	0.004	0					0.13
111.500	0.00	0.01	0.004	0					0.13
111.583	0.00	0.01	0.004	0					0.13
111.667	0.00	0.01	0.003	0					0.13
111.750	0.00	0.01	0.003	0					0.13
111.833	0.00	0.01	0.003	0					0.13
111.917	0.00	0.01	0.003	0					0.13
112.000	0.00	0.01	0.003	0					0.13
112.083	0.00	0.01	0.003	0					0.12
112.167	0.00	0.01	0.003	0					0.12
112.250	0.00	0.01	0.003	0					0.12
112.333	0.00	0.01	0.003	0					0.12
112.417	0.00	0.01	0.003	0					0.12
112.500	0.00	0.01	0.003	0					0.12
112.583	0.00	0.01	0.003	0					0.12
112.667	0.00	0.01	0.003	0					0.12
112.750	0.00	0.01	0.003	0					0.12
112.833	0.00	0.01	0.003	0					0.12
112.917	0.00	0.01	0.003	0					0.12
113.000	0.00	0.01	0.003	0					0.11
113.083	0.00	0.01	0.003	0					0.11
113.167	0.00	0.01	0.003	0					0.11
113.250	0.00	0.01	0.003	0					0.11
113.333	0.00	0.01	0.003	0					0.11
113.417	0.00	0.01	0.003	0					0.11
113.500	0.00	0.01	0.003	0					0.11
113.583	0.00	0.01	0.002	0					0.11
113.667	0.00	0.01	0.002	0					0.11
113.750	0.00	0.01	0.002	0					0.11
113.833	0.00	0.01	0.002	0					0.11
113.917	0.00	0.01	0.002	0					0.11
114.000	0.00	0.01	0.002	0					0.10
114.083	0.00	0.01	0.002	0					0.10
114.167	0.00	0.01	0.002	0					0.10
114.250	0.00	0.01	0.002	0					0.10
114.333	0.00	0.01	0.002	0					0.10

114.417	0.00	0.01	0.002	0					0.10
114.500	0.00	0.01	0.002	0					0.10
114.583	0.00	0.01	0.002	0					0.10
114.667	0.00	0.01	0.002	0					0.10
114.750	0.00	0.01	0.002	0					0.09
114.833	0.00	0.01	0.002	0					0.09
114.917	0.00	0.01	0.002	0					0.09
115.000	0.00	0.01	0.002	0					0.09
115.083	0.00	0.01	0.002	0					0.09
115.167	0.00	0.01	0.002	0					0.08
115.250	0.00	0.00	0.002	0					0.08
115.333	0.00	0.00	0.002	0					0.08
115.417	0.00	0.00	0.002	0					0.08
115.500	0.00	0.00	0.002	0					0.08
115.583	0.00	0.00	0.002	0					0.08
115.667	0.00	0.00	0.002	0					0.08
115.750	0.00	0.00	0.001	0					0.07
115.833	0.00	0.00	0.001	0					0.07
115.917	0.00	0.00	0.001	0					0.07
116.000	0.00	0.00	0.001	0					0.07
116.083	0.00	0.00	0.001	0					0.07
116.167	0.00	0.00	0.001	0					0.07
116.250	0.00	0.00	0.001	0					0.06
116.333	0.00	0.00	0.001	0					0.06
116.417	0.00	0.00	0.001	0					0.06
116.500	0.00	0.00	0.001	0					0.06
116.583	0.00	0.00	0.001	0					0.06
116.667	0.00	0.00	0.001	0					0.06
116.750	0.00	0.00	0.001	0					0.06
116.833	0.00	0.00	0.001	0					0.06
116.917	0.00	0.00	0.001	0					0.06
117.000	0.00	0.00	0.001	0					0.05
117.083	0.00	0.00	0.001	0					0.05
117.167	0.00	0.00	0.001	0					0.05
117.250	0.00	0.00	0.001	0					0.05
117.333	0.00	0.00	0.001	0					0.05
117.417	0.00	0.00	0.001	0					0.05
117.500	0.00	0.00	0.001	0					0.05
117.583	0.00	0.00	0.001	0					0.05
117.667	0.00	0.00	0.001	0					0.05
117.750	0.00	0.00	0.001	0					0.04
117.833	0.00	0.00	0.001	0					0.04
117.917	0.00	0.00	0.001	0					0.04
118.000	0.00	0.00	0.001	0					0.04
118.083	0.00	0.00	0.001	0					0.04
118.167	0.00	0.00	0.001	0					0.04
118.250	0.00	0.00	0.001	0					0.04
118.333	0.00	0.00	0.001	0					0.04
118.417	0.00	0.00	0.001	0					0.04
118.500	0.00	0.00	0.001	0					0.04

118.583	0.00	0.00	0.001	0					0.04
118.667	0.00	0.00	0.001	0					0.04
118.750	0.00	0.00	0.001	0					0.03
118.833	0.00	0.00	0.001	0					0.03
118.917	0.00	0.00	0.001	0					0.03
119.000	0.00	0.00	0.001	0					0.03
119.083	0.00	0.00	0.001	0					0.03
119.167	0.00	0.00	0.001	0					0.03
119.250	0.00	0.00	0.001	0					0.03
119.333	0.00	0.00	0.001	0					0.03
119.417	0.00	0.00	0.001	0					0.03
119.500	0.00	0.00	0.001	0					0.03
119.583	0.00	0.00	0.001	0					0.03
119.667	0.00	0.00	0.001	0					0.03
119.750	0.00	0.00	0.001	0					0.03
119.833	0.00	0.00	0.001	0					0.03
119.917	0.00	0.00	0.001	0					0.03
120.000	0.00	0.00	0.001	0					0.03
120.083	0.00	0.00	0.001	0					0.03
120.167	0.00	0.00	0.000	0					0.02
120.250	0.00	0.00	0.000	0					0.02
120.333	0.00	0.00	0.000	0					0.02
120.417	0.00	0.00	0.000	0					0.02
120.500	0.00	0.00	0.000	0					0.02
120.583	0.00	0.00	0.000	0					0.02
120.667	0.00	0.00	0.000	0					0.02
120.750	0.00	0.00	0.000	0					0.02
120.833	0.00	0.00	0.000	0					0.02
120.917	0.00	0.00	0.000	0					0.02
121.000	0.00	0.00	0.000	0					0.02
121.083	0.00	0.00	0.000	0					0.02
121.167	0.00	0.00	0.000	0					0.02
121.250	0.00	0.00	0.000	0					0.02
121.333	0.00	0.00	0.000	0					0.02
121.417	0.00	0.00	0.000	0					0.02
121.500	0.00	0.00	0.000	0					0.02
121.583	0.00	0.00	0.000	0					0.02
121.667	0.00	0.00	0.000	0					0.02
121.750	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1461

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.054 (CFS)

Total volume = 0.302 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
10 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da22410.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.013 (CFS)
Total volume = 0.582 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.3	0.51	0.76	1.01	Depth (Ft.)
0.083	0.03	0.00	0.000	O					0.01
0.167	0.05	0.00	0.000	O I					0.02
0.250	0.06	0.00	0.001	O I					0.04
0.333	0.07	0.00	0.001	O I					0.06
0.417	0.08	0.00	0.002	O I					0.08
0.500	0.08	0.01	0.002	O I					0.10
0.583	0.08	0.01	0.003	O I					0.11
0.667	0.08	0.01	0.003	O I					0.12
0.750	0.08	0.01	0.004	O I					0.13
0.833	0.10	0.01	0.004	O I					0.15
0.917	0.11	0.01	0.005	O I					0.16
1.000	0.11	0.01	0.006	O I					0.17
1.083	0.10	0.01	0.006	O I					0.19
1.167	0.09	0.01	0.007	O I					0.20
1.250	0.08	0.01	0.008	O I					0.21
1.333	0.08	0.01	0.008	O I					0.22
1.417	0.08	0.01	0.009	O I					0.23
1.500	0.08	0.01	0.009	O I					0.24
1.583	0.08	0.01	0.010	O I					0.25
1.667	0.08	0.01	0.010	O I					0.26
1.750	0.08	0.01	0.011	O I					0.27
1.833	0.10	0.01	0.011	O I					0.28

1.917	0.11	0.01	0.012	0	I					0.29
2.000	0.11	0.01	0.013	0	I					0.30
2.083	0.11	0.01	0.013	0	I					0.32
2.167	0.11	0.01	0.014	0	I					0.33
2.250	0.11	0.01	0.015	0	I					0.34
2.333	0.11	0.01	0.015	0	I					0.36
2.417	0.11	0.01	0.016	0	I					0.37
2.500	0.11	0.01	0.017	0	I					0.38
2.583	0.13	0.01	0.017	0	I					0.40
2.667	0.14	0.01	0.018	0	I					0.41
2.750	0.14	0.01	0.019	0	I					0.43
2.833	0.14	0.01	0.020	0	I					0.44
2.917	0.14	0.01	0.021	0	I					0.46
3.000	0.14	0.02	0.022	0	I					0.48
3.083	0.14	0.02	0.023	0	I					0.49
3.167	0.14	0.02	0.023	0	I					0.51
3.250	0.14	0.02	0.024	0	I					0.53
3.333	0.14	0.02	0.025	0	I					0.54
3.417	0.14	0.02	0.026	0	I					0.56
3.500	0.14	0.02	0.027	0	I					0.58
3.583	0.14	0.02	0.028	0	I					0.59
3.667	0.14	0.02	0.029	0	I					0.61
3.750	0.14	0.02	0.029	0	I					0.62
3.833	0.16	0.02	0.030	0	I					0.64
3.917	0.17	0.02	0.031	0	I					0.66
4.000	0.17	0.02	0.032	0	I					0.68
4.083	0.17	0.02	0.033	0	I					0.70
4.167	0.17	0.02	0.034	0	I					0.72
4.250	0.17	0.02	0.035	0	I					0.74
4.333	0.18	0.02	0.036	0	I					0.76
4.417	0.19	0.02	0.038	0	I					0.78
4.500	0.20	0.02	0.039	0	I					0.80
4.583	0.20	0.02	0.040	0	I					0.83
4.667	0.20	0.02	0.041	0	I					0.85
4.750	0.20	0.02	0.042	0	I					0.87
4.833	0.21	0.03	0.043	0	I					0.89
4.917	0.22	0.03	0.045	0	I					0.92
5.000	0.22	0.03	0.046	0	I					0.95
5.083	0.19	0.03	0.047	0	I					0.97
5.167	0.17	0.03	0.048	0	I					0.99
5.250	0.17	0.03	0.049	0	I					1.01
5.333	0.18	0.03	0.050	0	I					1.02
5.417	0.19	0.03	0.052	0	I					1.03
5.500	0.20	0.03	0.053	0	I					1.05
5.583	0.21	0.03	0.054	0	I					1.06
5.667	0.22	0.03	0.055	0	I					1.08
5.750	0.22	0.03	0.057	0	I					1.09
5.833	0.22	0.03	0.058	0	I					1.11
5.917	0.22	0.03	0.059	0	I					1.13
6.000	0.22	0.03	0.061	0	I					1.15

6.083	0.24	0.03	0.062	0	I					1.16
6.167	0.25	0.03	0.064	0	I					1.18
6.250	0.25	0.03	0.065	0	I					1.20
6.333	0.25	0.03	0.067	0	I					1.22
6.417	0.25	0.03	0.068	0	I					1.24
6.500	0.25	0.03	0.070	0	I					1.26
6.583	0.27	0.03	0.071	0	I					1.28
6.667	0.28	0.03	0.073	0	I					1.30
6.750	0.28	0.03	0.075	0	I					1.32
6.833	0.28	0.03	0.076	0	I					1.34
6.917	0.28	0.03	0.078	0	I					1.36
7.000	0.28	0.03	0.080	0	I					1.38
7.083	0.28	0.03	0.081	0	I					1.41
7.167	0.28	0.03	0.083	0	I					1.43
7.250	0.28	0.03	0.085	0	I					1.45
7.333	0.30	0.03	0.087	0	I					1.47
7.417	0.31	0.03	0.088	0	I					1.49
7.500	0.31	0.03	0.090	0	I					1.52
7.583	0.32	0.03	0.092	0	I					1.54
7.667	0.33	0.03	0.094	0	I					1.57
7.750	0.34	0.03	0.096	0	I					1.59
7.833	0.35	0.03	0.099	0	I					1.62
7.917	0.36	0.04	0.101	0	I					1.65
8.000	0.36	0.04	0.103	0	I					1.68
8.083	0.40	0.04	0.105	0	I					1.70
8.167	0.42	0.04	0.108	0	I					1.74
8.250	0.42	0.04	0.111	0	I					1.77
8.333	0.42	0.04	0.113	0	I					1.80
8.417	0.42	0.04	0.116	0	I					1.84
8.500	0.42	0.04	0.119	0	I					1.87
8.583	0.44	0.04	0.121	0	I					1.90
8.667	0.45	0.04	0.124	0	I					1.94
8.750	0.45	0.04	0.127	0	I					1.97
8.833	0.46	0.04	0.130	0	I					2.01
8.917	0.48	0.04	0.133	0	I					2.04
9.000	0.48	0.04	0.136	0	I					2.07
9.083	0.51	0.04	0.139	0	I					2.10
9.167	0.53	0.04	0.142	0	I					2.14
9.250	0.53	0.04	0.145	0	I					2.17
9.333	0.55	0.04	0.149	0	I					2.21
9.417	0.56	0.04	0.152	0	I					2.25
9.500	0.56	0.04	0.156	0	I					2.28
9.583	0.58	0.04	0.160	0	I					2.32
9.667	0.59	0.04	0.163	0	I					2.36
9.750	0.59	0.04	0.167	0	I					2.40
9.833	0.60	0.04	0.171	0	I					2.44
9.917	0.62	0.04	0.175	0	I					2.48
10.000	0.62	0.04	0.179	0	I					2.52
10.083	0.51	0.04	0.182	0	I					2.56
10.167	0.44	0.04	0.185	0	I					2.59

10.250	0.42	0.04	0.188	0	I			2.62
10.333	0.42	0.04	0.191	0	I			2.65
10.417	0.42	0.05	0.193	0	I			2.68
10.500	0.42	0.05	0.196	0	I			2.70
10.583	0.50	0.05	0.199	0	I			2.73
10.667	0.55	0.05	0.202	0		I		2.77
10.750	0.56	0.05	0.205	0		I		2.80
10.833	0.56	0.05	0.209	0		I		2.84
10.917	0.56	0.05	0.213	0		I		2.88
11.000	0.56	0.05	0.216	0		I		2.92
11.083	0.55	0.05	0.220	0		I		2.95
11.167	0.54	0.05	0.223	0	I			2.99
11.250	0.53	0.05	0.226	0	I			3.02
11.333	0.53	0.05	0.230	0	I			3.06
11.417	0.53	0.05	0.233	0	I			3.09
11.500	0.53	0.05	0.236	0	I			3.13
11.583	0.50	0.05	0.240	0	I			3.16
11.667	0.48	0.05	0.243	0	I			3.19
11.750	0.48	0.05	0.246	0	I			3.22
11.833	0.49	0.05	0.249	0	I			3.25
11.917	0.50	0.05	0.252	0	I			3.28
12.000	0.51	0.05	0.255	0	I			3.31
12.083	0.61	0.05	0.258	0		I		3.35
12.167	0.69	0.05	0.262	0			I	3.39
12.250	0.70	0.05	0.267	0			I	3.44
12.333	0.72	0.05	0.271	0			I	3.48
12.417	0.73	0.05	0.276	0			I	3.53
12.500	0.73	0.05	0.281	0			I	3.58
12.583	0.76	0.05	0.285	0			I	3.63
12.667	0.78	0.05	0.290	0			I	3.68
12.750	0.79	0.05	0.295	0			I	3.73
12.833	0.80	0.05	0.300	0			I	3.78
12.917	0.81	0.05	0.306	0			I	3.83
13.000	0.82	0.06	0.311	0			I	3.89
13.083	0.92	0.06	0.316	0			I	3.94
13.167	0.99	0.06	0.323	0			I	4.01
13.250	1.01	0.06	0.329	0			I	4.07
13.333	1.01	0.06	0.336	0			I	4.14
13.417	1.01	0.06	0.342	0			I	4.21
13.500	1.01	0.06	0.349	0			I	4.27
13.583	0.81	0.06	0.355	0			I	4.33
13.667	0.67	0.06	0.359	0		I		4.38
13.750	0.65	0.06	0.364	0		I		4.42
13.833	0.65	0.06	0.368	0		I		4.47
13.917	0.65	0.06	0.372	0		I		4.51
14.000	0.65	0.07	0.376	0		I		4.55
14.083	0.71	0.08	0.380	0		I		4.60
14.167	0.75	0.09	0.384	0		I		4.64
14.250	0.76	0.09	0.389	0		I		4.69
14.333	0.74	0.10	0.393	0		I		4.74

14.417	0.73	0.11	0.398	0			I	4.79
14.500	0.73	0.12	0.402	0			I	4.84
14.583	0.73	0.13	0.406	0			I	4.89
14.667	0.73	0.14	0.410	0			I	4.93
14.750	0.73	0.15	0.414	0			I	4.98
14.833	0.71	0.17	0.418	0			I	5.02
14.917	0.70	0.21	0.422	0			I	5.06
15.000	0.70	0.24	0.425	0			I	5.10
15.083	0.69	0.27	0.428	0			I	5.14
15.167	0.68	0.30	0.431	0			I	5.17
15.250	0.67	0.32	0.433	0			I	5.20
15.333	0.66	0.34	0.436	0			I	5.22
15.417	0.65	0.36	0.438	0			I	5.25
15.500	0.65	0.38	0.440	0			I	5.27
15.583	0.58	0.40	0.441	0		I		5.29
15.667	0.54	0.41	0.442	0		I		5.30
15.750	0.53	0.42	0.443	0	I			5.31
15.833	0.53	0.42	0.444	0	I			5.32
15.917	0.53	0.43	0.445	0	I			5.33
16.000	0.53	0.44	0.445	0	I			5.34
16.083	0.30	0.44	0.445	I	0			5.34
16.167	0.14	0.42	0.444	I	0			5.32
16.250	0.11	0.40	0.442	I	0			5.30
16.333	0.11	0.38	0.440	I	0			5.27
16.417	0.11	0.37	0.438	I	0			5.25
16.500	0.11	0.35	0.436	I	0			5.23
16.583	0.10	0.33	0.435	I	0			5.21
16.667	0.09	0.32	0.433	I	0			5.19
16.750	0.08	0.30	0.432	I	0			5.18
16.833	0.08	0.29	0.430	I	0			5.16
16.917	0.08	0.28	0.429	I	0			5.14
17.000	0.08	0.26	0.427	I	0			5.13
17.083	0.11	0.25	0.426	I	0			5.12
17.167	0.14	0.24	0.426	I	0			5.11
17.250	0.14	0.24	0.425	I	0			5.10
17.333	0.14	0.23	0.424	I	0			5.09
17.417	0.14	0.22	0.424	I	0			5.09
17.500	0.14	0.22	0.423	I	0			5.08
17.583	0.14	0.21	0.422	I	0			5.07
17.667	0.14	0.21	0.422	I	0			5.07
17.750	0.14	0.20	0.422	I	0			5.06
17.833	0.13	0.20	0.421	I	0			5.06
17.917	0.11	0.20	0.421	I	0			5.05
18.000	0.11	0.19	0.420	I	0			5.04
18.083	0.11	0.18	0.419	I	0			5.04
18.167	0.11	0.18	0.419	I	0			5.03
18.250	0.11	0.18	0.419	I	0			5.03
18.333	0.11	0.17	0.418	I	0			5.02
18.417	0.11	0.17	0.418	I	0			5.02
18.500	0.11	0.16	0.417	I	0			5.02

18.583	0.10	0.16	0.417	I O					5.01
18.667	0.09	0.16	0.416	I O					5.01
18.750	0.08	0.15	0.416	I O					5.00
18.833	0.07	0.15	0.415	I O					4.99
18.917	0.06	0.15	0.415	I O					4.99
19.000	0.06	0.15	0.414	I O					4.98
19.083	0.07	0.15	0.414	I O					4.97
19.167	0.08	0.15	0.413	I O					4.97
19.250	0.08	0.14	0.413	I O					4.96
19.333	0.10	0.14	0.412	IO					4.96
19.417	0.11	0.14	0.412	IO					4.96
19.500	0.11	0.14	0.412	IO					4.95
19.583	0.10	0.14	0.412	IO					4.95
19.667	0.09	0.14	0.411	I O					4.95
19.750	0.08	0.14	0.411	I O					4.94
19.833	0.07	0.14	0.411	I O					4.94
19.917	0.06	0.14	0.410	I O					4.93
20.000	0.06	0.14	0.409	I O					4.93
20.083	0.07	0.14	0.409	I O					4.92
20.167	0.08	0.14	0.409	I O					4.92
20.250	0.08	0.13	0.408	I O					4.91
20.333	0.08	0.13	0.408	I O					4.91
20.417	0.08	0.13	0.408	I O					4.90
20.500	0.08	0.13	0.407	I O					4.90
20.583	0.08	0.13	0.407	I O					4.90
20.667	0.08	0.13	0.407	I O					4.89
20.750	0.08	0.13	0.406	I O					4.89
20.833	0.07	0.13	0.406	I O					4.88
20.917	0.06	0.13	0.405	I O					4.88
21.000	0.06	0.13	0.405	I O					4.87
21.083	0.07	0.13	0.404	I O					4.87
21.167	0.08	0.13	0.404	IO					4.86
21.250	0.08	0.13	0.404	IO					4.86
21.333	0.07	0.12	0.403	IO					4.86
21.417	0.06	0.12	0.403	I O					4.85
21.500	0.06	0.12	0.403	I O					4.85
21.583	0.07	0.12	0.402	IO					4.84
21.667	0.08	0.12	0.402	IO					4.84
21.750	0.08	0.12	0.402	IO					4.84
21.833	0.07	0.12	0.401	IO					4.83
21.917	0.06	0.12	0.401	I O					4.83
22.000	0.06	0.12	0.401	I O					4.82
22.083	0.07	0.12	0.400	IO					4.82
22.167	0.08	0.12	0.400	IO					4.82
22.250	0.08	0.12	0.400	IO					4.81
22.333	0.07	0.12	0.399	IO					4.81
22.417	0.06	0.12	0.399	I O					4.81
22.500	0.06	0.11	0.399	I O					4.80
22.583	0.06	0.11	0.398	I O					4.80
22.667	0.06	0.11	0.398	I O					4.79

22.750	0.06	0.11	0.397	I 0					4.79
22.833	0.06	0.11	0.397	I 0					4.78
22.917	0.06	0.11	0.397	I 0					4.78
23.000	0.06	0.11	0.396	I 0					4.78
23.083	0.06	0.11	0.396	I 0					4.77
23.167	0.06	0.11	0.396	I 0					4.77
23.250	0.06	0.11	0.395	I 0					4.76
23.333	0.06	0.11	0.395	I 0					4.76
23.417	0.06	0.11	0.394	I 0					4.76
23.500	0.06	0.11	0.394	I 0					4.75
23.583	0.06	0.10	0.394	I 0					4.75
23.667	0.06	0.10	0.393	I 0					4.74
23.750	0.06	0.10	0.393	I 0					4.74
23.833	0.06	0.10	0.393	I 0					4.74
23.917	0.06	0.10	0.393	I 0					4.73
24.000	0.06	0.10	0.392	I 0					4.73
24.083	0.03	0.10	0.392	I 0					4.73
24.167	0.00	0.10	0.391	I 0					4.72
24.250	0.00	0.10	0.391	I 0					4.71
24.333	0.00	0.10	0.390	I 0					4.71
24.417	0.00	0.10	0.389	I 0					4.70
24.500	0.00	0.09	0.389	I 0					4.69
24.583	0.00	0.09	0.388	I 0					4.68
24.667	0.00	0.09	0.387	I 0					4.68
24.750	0.00	0.09	0.387	I 0					4.67
24.833	0.00	0.09	0.386	I 0					4.66
24.917	0.00	0.09	0.385	I 0					4.66
25.000	0.00	0.09	0.385	I 0					4.65
25.083	0.00	0.09	0.384	I 0					4.64
25.167	0.00	0.08	0.384	I 0					4.64
25.250	0.00	0.08	0.383	I 0					4.63
25.333	0.00	0.08	0.382	I 0					4.62
25.417	0.00	0.08	0.382	I 0					4.62
25.500	0.00	0.08	0.381	I 0					4.61
25.583	0.00	0.08	0.381	I 0					4.61
25.667	0.00	0.08	0.380	I 0					4.60
25.750	0.00	0.08	0.380	I 0					4.59
25.833	0.00	0.08	0.379	I 0					4.59
25.917	0.00	0.08	0.379	I 0					4.58
26.000	0.00	0.07	0.378	I 0					4.58
26.083	0.00	0.07	0.378	I 0					4.57
26.167	0.00	0.07	0.377	I 0					4.57
26.250	0.00	0.07	0.377	I 0					4.56
26.333	0.00	0.07	0.376	I 0					4.56
26.417	0.00	0.07	0.376	I 0					4.55
26.500	0.00	0.07	0.375	I 0					4.55
26.583	0.00	0.07	0.375	I 0					4.54
26.667	0.00	0.07	0.374	I 0					4.54
26.750	0.00	0.07	0.374	I 0					4.53
26.833	0.00	0.06	0.373	I 0					4.53

26.917	0.00	0.06	0.373	I 0					4.52
27.000	0.00	0.06	0.373	IO					4.52
27.083	0.00	0.06	0.372	IO					4.51
27.167	0.00	0.06	0.372	IO					4.51
27.250	0.00	0.06	0.371	IO					4.50
27.333	0.00	0.06	0.371	IO					4.50
27.417	0.00	0.06	0.370	IO					4.49
27.500	0.00	0.06	0.370	IO					4.49
27.583	0.00	0.06	0.370	IO					4.49
27.667	0.00	0.06	0.369	IO					4.48
27.750	0.00	0.06	0.369	IO					4.48
27.833	0.00	0.06	0.368	IO					4.47
27.917	0.00	0.06	0.368	IO					4.47
28.000	0.00	0.06	0.368	IO					4.46
28.083	0.00	0.06	0.367	IO					4.46
28.167	0.00	0.06	0.367	IO					4.46
28.250	0.00	0.06	0.366	IO					4.45
28.333	0.00	0.06	0.366	IO					4.45
28.417	0.00	0.06	0.365	IO					4.44
28.500	0.00	0.06	0.365	IO					4.44
28.583	0.00	0.06	0.365	IO					4.44
28.667	0.00	0.06	0.364	IO					4.43
28.750	0.00	0.06	0.364	IO					4.43
28.833	0.00	0.06	0.363	IO					4.42
28.917	0.00	0.06	0.363	IO					4.42
29.000	0.00	0.06	0.363	IO					4.41
29.083	0.00	0.06	0.362	IO					4.41
29.167	0.00	0.06	0.362	IO					4.41
29.250	0.00	0.06	0.361	IO					4.40
29.333	0.00	0.06	0.361	IO					4.40
29.417	0.00	0.06	0.361	IO					4.39
29.500	0.00	0.06	0.360	IO					4.39
29.583	0.00	0.06	0.360	IO					4.39
29.667	0.00	0.06	0.359	IO					4.38
29.750	0.00	0.06	0.359	IO					4.38
29.833	0.00	0.06	0.359	IO					4.37
29.917	0.00	0.06	0.358	IO					4.37
30.000	0.00	0.06	0.358	IO					4.36
30.083	0.00	0.06	0.357	IO					4.36
30.167	0.00	0.06	0.357	IO					4.36
30.250	0.00	0.06	0.357	IO					4.35
30.333	0.00	0.06	0.356	IO					4.35
30.417	0.00	0.06	0.356	IO					4.34
30.500	0.00	0.06	0.355	IO					4.34
30.583	0.00	0.06	0.355	IO					4.34
30.667	0.00	0.06	0.354	IO					4.33
30.750	0.00	0.06	0.354	IO					4.33
30.833	0.00	0.06	0.354	IO					4.32
30.917	0.00	0.06	0.353	IO					4.32
31.000	0.00	0.06	0.353	IO					4.31

31.083	0.00	0.06	0.352	IO					4.31
31.167	0.00	0.06	0.352	IO					4.31
31.250	0.00	0.06	0.352	IO					4.30
31.333	0.00	0.06	0.351	IO					4.30
31.417	0.00	0.06	0.351	IO					4.29
31.500	0.00	0.06	0.350	IO					4.29
31.583	0.00	0.06	0.350	IO					4.29
31.667	0.00	0.06	0.350	IO					4.28
31.750	0.00	0.06	0.349	IO					4.28
31.833	0.00	0.06	0.349	IO					4.27
31.917	0.00	0.06	0.348	IO					4.27
32.000	0.00	0.06	0.348	IO					4.27
32.083	0.00	0.06	0.348	IO					4.26
32.167	0.00	0.06	0.347	IO					4.26
32.250	0.00	0.06	0.347	IO					4.25
32.333	0.00	0.06	0.346	IO					4.25
32.417	0.00	0.06	0.346	IO					4.25
32.500	0.00	0.06	0.346	IO					4.24
32.583	0.00	0.06	0.345	IO					4.24
32.667	0.00	0.06	0.345	IO					4.23
32.750	0.00	0.06	0.344	IO					4.23
32.833	0.00	0.06	0.344	IO					4.23
32.917	0.00	0.06	0.344	IO					4.22
33.000	0.00	0.06	0.343	IO					4.22
33.083	0.00	0.06	0.343	IO					4.21
33.167	0.00	0.06	0.342	IO					4.21
33.250	0.00	0.06	0.342	IO					4.20
33.333	0.00	0.06	0.342	IO					4.20
33.417	0.00	0.06	0.341	IO					4.20
33.500	0.00	0.06	0.341	IO					4.19
33.583	0.00	0.06	0.340	IO					4.19
33.667	0.00	0.06	0.340	IO					4.18
33.750	0.00	0.06	0.340	IO					4.18
33.833	0.00	0.06	0.339	IO					4.18
33.917	0.00	0.06	0.339	IO					4.17
34.000	0.00	0.06	0.339	IO					4.17
34.083	0.00	0.06	0.338	IO					4.16
34.167	0.00	0.06	0.338	IO					4.16
34.250	0.00	0.06	0.337	IO					4.16
34.333	0.00	0.06	0.337	IO					4.15
34.417	0.00	0.06	0.337	IO					4.15
34.500	0.00	0.06	0.336	IO					4.14
34.583	0.00	0.06	0.336	IO					4.14
34.667	0.00	0.06	0.335	IO					4.14
34.750	0.00	0.06	0.335	IO					4.13
34.833	0.00	0.06	0.335	IO					4.13
34.917	0.00	0.06	0.334	IO					4.12
35.000	0.00	0.06	0.334	IO					4.12
35.083	0.00	0.06	0.333	IO					4.12
35.167	0.00	0.06	0.333	IO					4.11

35.250	0.00	0.06	0.333	IO					4.11
35.333	0.00	0.06	0.332	IO					4.10
35.417	0.00	0.06	0.332	IO					4.10
35.500	0.00	0.06	0.331	IO					4.10
35.583	0.00	0.06	0.331	IO					4.09
35.667	0.00	0.06	0.331	IO					4.09
35.750	0.00	0.06	0.330	IO					4.08
35.833	0.00	0.06	0.330	IO					4.08
35.917	0.00	0.06	0.329	IO					4.08
36.000	0.00	0.06	0.329	IO					4.07
36.083	0.00	0.06	0.329	IO					4.07
36.167	0.00	0.06	0.328	IO					4.06
36.250	0.00	0.06	0.328	IO					4.06
36.333	0.00	0.06	0.328	IO					4.06
36.417	0.00	0.06	0.327	IO					4.05
36.500	0.00	0.06	0.327	IO					4.05
36.583	0.00	0.06	0.326	IO					4.04
36.667	0.00	0.06	0.326	IO					4.04
36.750	0.00	0.06	0.326	IO					4.04
36.833	0.00	0.06	0.325	IO					4.03
36.917	0.00	0.06	0.325	IO					4.03
37.000	0.00	0.06	0.324	IO					4.02
37.083	0.00	0.06	0.324	IO					4.02
37.167	0.00	0.06	0.324	IO					4.02
37.250	0.00	0.06	0.323	IO					4.01
37.333	0.00	0.06	0.323	IO					4.01
37.417	0.00	0.06	0.322	IO					4.01
37.500	0.00	0.06	0.322	IO					4.00
37.583	0.00	0.06	0.322	IO					4.00
37.667	0.00	0.06	0.321	IO					3.99
37.750	0.00	0.06	0.321	IO					3.99
37.833	0.00	0.06	0.321	IO					3.99
37.917	0.00	0.06	0.320	IO					3.98
38.000	0.00	0.06	0.320	IO					3.98
38.083	0.00	0.06	0.319	IO					3.97
38.167	0.00	0.06	0.319	IO					3.97
38.250	0.00	0.06	0.319	IO					3.97
38.333	0.00	0.06	0.318	IO					3.96
38.417	0.00	0.06	0.318	IO					3.96
38.500	0.00	0.06	0.317	IO					3.95
38.583	0.00	0.06	0.317	IO					3.95
38.667	0.00	0.06	0.317	IO					3.95
38.750	0.00	0.06	0.316	IO					3.94
38.833	0.00	0.06	0.316	IO					3.94
38.917	0.00	0.06	0.316	IO					3.93
39.000	0.00	0.06	0.315	IO					3.93
39.083	0.00	0.06	0.315	IO					3.93
39.167	0.00	0.06	0.314	IO					3.92
39.250	0.00	0.06	0.314	IO					3.92
39.333	0.00	0.06	0.314	IO					3.92

39.417	0.00	0.06	0.313	IO					3.91
39.500	0.00	0.06	0.313	IO					3.91
39.583	0.00	0.06	0.313	IO					3.90
39.667	0.00	0.06	0.312	IO					3.90
39.750	0.00	0.06	0.312	IO					3.90
39.833	0.00	0.06	0.311	IO					3.89
39.917	0.00	0.06	0.311	IO					3.89
40.000	0.00	0.06	0.311	IO					3.88
40.083	0.00	0.06	0.310	IO					3.88
40.167	0.00	0.06	0.310	IO					3.88
40.250	0.00	0.05	0.309	IO					3.87
40.333	0.00	0.05	0.309	IO					3.87
40.417	0.00	0.05	0.309	IO					3.86
40.500	0.00	0.05	0.308	IO					3.86
40.583	0.00	0.05	0.308	IO					3.86
40.667	0.00	0.05	0.308	IO					3.85
40.750	0.00	0.05	0.307	IO					3.85
40.833	0.00	0.05	0.307	IO					3.85
40.917	0.00	0.05	0.306	IO					3.84
41.000	0.00	0.05	0.306	IO					3.84
41.083	0.00	0.05	0.306	IO					3.83
41.167	0.00	0.05	0.305	IO					3.83
41.250	0.00	0.05	0.305	IO					3.83
41.333	0.00	0.05	0.305	IO					3.82
41.417	0.00	0.05	0.304	IO					3.82
41.500	0.00	0.05	0.304	IO					3.81
41.583	0.00	0.05	0.303	IO					3.81
41.667	0.00	0.05	0.303	IO					3.81
41.750	0.00	0.05	0.303	IO					3.80
41.833	0.00	0.05	0.302	IO					3.80
41.917	0.00	0.05	0.302	IO					3.80
42.000	0.00	0.05	0.302	IO					3.79
42.083	0.00	0.05	0.301	IO					3.79
42.167	0.00	0.05	0.301	IO					3.78
42.250	0.00	0.05	0.300	IO					3.78
42.333	0.00	0.05	0.300	IO					3.78
42.417	0.00	0.05	0.300	IO					3.77
42.500	0.00	0.05	0.299	IO					3.77
42.583	0.00	0.05	0.299	IO					3.77
42.667	0.00	0.05	0.299	IO					3.76
42.750	0.00	0.05	0.298	IO					3.76
42.833	0.00	0.05	0.298	IO					3.75
42.917	0.00	0.05	0.297	IO					3.75
43.000	0.00	0.05	0.297	IO					3.75
43.083	0.00	0.05	0.297	IO					3.74
43.167	0.00	0.05	0.296	IO					3.74
43.250	0.00	0.05	0.296	IO					3.73
43.333	0.00	0.05	0.296	IO					3.73
43.417	0.00	0.05	0.295	IO					3.73
43.500	0.00	0.05	0.295	IO					3.72

43.583	0.00	0.05	0.295	IO					3.72
43.667	0.00	0.05	0.294	IO					3.72
43.750	0.00	0.05	0.294	IO					3.71
43.833	0.00	0.05	0.293	IO					3.71
43.917	0.00	0.05	0.293	IO					3.70
44.000	0.00	0.05	0.293	IO					3.70
44.083	0.00	0.05	0.292	IO					3.70
44.167	0.00	0.05	0.292	IO					3.69
44.250	0.00	0.05	0.292	IO					3.69
44.333	0.00	0.05	0.291	IO					3.69
44.417	0.00	0.05	0.291	IO					3.68
44.500	0.00	0.05	0.290	IO					3.68
44.583	0.00	0.05	0.290	IO					3.67
44.667	0.00	0.05	0.290	IO					3.67
44.750	0.00	0.05	0.289	IO					3.67
44.833	0.00	0.05	0.289	IO					3.66
44.917	0.00	0.05	0.289	IO					3.66
45.000	0.00	0.05	0.288	IO					3.66
45.083	0.00	0.05	0.288	IO					3.65
45.167	0.00	0.05	0.288	IO					3.65
45.250	0.00	0.05	0.287	IO					3.64
45.333	0.00	0.05	0.287	IO					3.64
45.417	0.00	0.05	0.286	IO					3.64
45.500	0.00	0.05	0.286	IO					3.63
45.583	0.00	0.05	0.286	IO					3.63
45.667	0.00	0.05	0.285	IO					3.63
45.750	0.00	0.05	0.285	IO					3.62
45.833	0.00	0.05	0.285	IO					3.62
45.917	0.00	0.05	0.284	IO					3.61
46.000	0.00	0.05	0.284	IO					3.61
46.083	0.00	0.05	0.284	IO					3.61
46.167	0.00	0.05	0.283	IO					3.60
46.250	0.00	0.05	0.283	IO					3.60
46.333	0.00	0.05	0.282	IO					3.60
46.417	0.00	0.05	0.282	IO					3.59
46.500	0.00	0.05	0.282	IO					3.59
46.583	0.00	0.05	0.281	IO					3.58
46.667	0.00	0.05	0.281	IO					3.58
46.750	0.00	0.05	0.281	IO					3.58
46.833	0.00	0.05	0.280	IO					3.57
46.917	0.00	0.05	0.280	IO					3.57
47.000	0.00	0.05	0.280	IO					3.57
47.083	0.00	0.05	0.279	IO					3.56
47.167	0.00	0.05	0.279	IO					3.56
47.250	0.00	0.05	0.278	IO					3.56
47.333	0.00	0.05	0.278	IO					3.55
47.417	0.00	0.05	0.278	IO					3.55
47.500	0.00	0.05	0.277	IO					3.54
47.583	0.00	0.05	0.277	IO					3.54
47.667	0.00	0.05	0.277	IO					3.54

47.750	0.00	0.05	0.276	IO					3.53
47.833	0.00	0.05	0.276	IO					3.53
47.917	0.00	0.05	0.276	IO					3.53
48.000	0.00	0.05	0.275	IO					3.52
48.083	0.00	0.05	0.275	IO					3.52
48.167	0.00	0.05	0.274	IO					3.52
48.250	0.00	0.05	0.274	IO					3.51
48.333	0.00	0.05	0.274	IO					3.51
48.417	0.00	0.05	0.273	IO					3.50
48.500	0.00	0.05	0.273	IO					3.50
48.583	0.00	0.05	0.273	IO					3.50
48.667	0.00	0.05	0.272	IO					3.49
48.750	0.00	0.05	0.272	IO					3.49
48.833	0.00	0.05	0.272	IO					3.49
48.917	0.00	0.05	0.271	IO					3.48
49.000	0.00	0.05	0.271	IO					3.48
49.083	0.00	0.05	0.271	IO					3.47
49.167	0.00	0.05	0.270	IO					3.47
49.250	0.00	0.05	0.270	IO					3.47
49.333	0.00	0.05	0.269	IO					3.46
49.417	0.00	0.05	0.269	IO					3.46
49.500	0.00	0.05	0.269	IO					3.46
49.583	0.00	0.05	0.268	IO					3.45
49.667	0.00	0.05	0.268	IO					3.45
49.750	0.00	0.05	0.268	IO					3.45
49.833	0.00	0.05	0.267	IO					3.44
49.917	0.00	0.05	0.267	IO					3.44
50.000	0.00	0.05	0.267	IO					3.43
50.083	0.00	0.05	0.266	IO					3.43
50.167	0.00	0.05	0.266	IO					3.43
50.250	0.00	0.05	0.266	IO					3.42
50.333	0.00	0.05	0.265	IO					3.42
50.417	0.00	0.05	0.265	IO					3.42
50.500	0.00	0.05	0.265	IO					3.41
50.583	0.00	0.05	0.264	IO					3.41
50.667	0.00	0.05	0.264	IO					3.41
50.750	0.00	0.05	0.263	IO					3.40
50.833	0.00	0.05	0.263	IO					3.40
50.917	0.00	0.05	0.263	IO					3.40
51.000	0.00	0.05	0.262	IO					3.39
51.083	0.00	0.05	0.262	IO					3.39
51.167	0.00	0.05	0.262	IO					3.38
51.250	0.00	0.05	0.261	IO					3.38
51.333	0.00	0.05	0.261	IO					3.38
51.417	0.00	0.05	0.261	IO					3.37
51.500	0.00	0.05	0.260	IO					3.37
51.583	0.00	0.05	0.260	IO					3.37
51.667	0.00	0.05	0.260	IO					3.36
51.750	0.00	0.05	0.259	IO					3.36
51.833	0.00	0.05	0.259	IO					3.36

51.917	0.00	0.05	0.259	IO					3.35
52.000	0.00	0.05	0.258	IO					3.35
52.083	0.00	0.05	0.258	IO					3.35
52.167	0.00	0.05	0.257	IO					3.34
52.250	0.00	0.05	0.257	IO					3.34
52.333	0.00	0.05	0.257	IO					3.33
52.417	0.00	0.05	0.256	IO					3.33
52.500	0.00	0.05	0.256	IO					3.33
52.583	0.00	0.05	0.256	IO					3.32
52.667	0.00	0.05	0.255	IO					3.32
52.750	0.00	0.05	0.255	IO					3.32
52.833	0.00	0.05	0.255	IO					3.31
52.917	0.00	0.05	0.254	IO					3.31
53.000	0.00	0.05	0.254	IO					3.31
53.083	0.00	0.05	0.254	IO					3.30
53.167	0.00	0.05	0.253	IO					3.30
53.250	0.00	0.05	0.253	IO					3.30
53.333	0.00	0.05	0.253	IO					3.29
53.417	0.00	0.05	0.252	IO					3.29
53.500	0.00	0.05	0.252	IO					3.28
53.583	0.00	0.05	0.252	IO					3.28
53.667	0.00	0.05	0.251	IO					3.28
53.750	0.00	0.05	0.251	IO					3.27
53.833	0.00	0.05	0.251	IO					3.27
53.917	0.00	0.05	0.250	IO					3.27
54.000	0.00	0.05	0.250	IO					3.26
54.083	0.00	0.05	0.249	IO					3.26
54.167	0.00	0.05	0.249	IO					3.26
54.250	0.00	0.05	0.249	IO					3.25
54.333	0.00	0.05	0.248	IO					3.25
54.417	0.00	0.05	0.248	IO					3.25
54.500	0.00	0.05	0.248	IO					3.24
54.583	0.00	0.05	0.247	IO					3.24
54.667	0.00	0.05	0.247	IO					3.24
54.750	0.00	0.05	0.247	IO					3.23
54.833	0.00	0.05	0.246	IO					3.23
54.917	0.00	0.05	0.246	IO					3.22
55.000	0.00	0.05	0.246	IO					3.22
55.083	0.00	0.05	0.245	IO					3.22
55.167	0.00	0.05	0.245	IO					3.21
55.250	0.00	0.05	0.245	IO					3.21
55.333	0.00	0.05	0.244	IO					3.21
55.417	0.00	0.05	0.244	IO					3.20
55.500	0.00	0.05	0.244	IO					3.20
55.583	0.00	0.05	0.243	IO					3.20
55.667	0.00	0.05	0.243	IO					3.19
55.750	0.00	0.05	0.243	IO					3.19
55.833	0.00	0.05	0.242	IO					3.19
55.917	0.00	0.05	0.242	IO					3.18
56.000	0.00	0.05	0.242	IO					3.18

56.083	0.00	0.05	0.241	IO					3.18
56.167	0.00	0.05	0.241	IO					3.17
56.250	0.00	0.05	0.241	IO					3.17
56.333	0.00	0.05	0.240	IO					3.17
56.417	0.00	0.05	0.240	IO					3.16
56.500	0.00	0.05	0.240	IO					3.16
56.583	0.00	0.05	0.239	IO					3.16
56.667	0.00	0.05	0.239	IO					3.15
56.750	0.00	0.05	0.239	IO					3.15
56.833	0.00	0.05	0.238	IO					3.15
56.917	0.00	0.05	0.238	IO					3.14
57.000	0.00	0.05	0.238	IO					3.14
57.083	0.00	0.05	0.237	IO					3.13
57.167	0.00	0.05	0.237	IO					3.13
57.250	0.00	0.05	0.237	IO					3.13
57.333	0.00	0.05	0.236	IO					3.12
57.417	0.00	0.05	0.236	IO					3.12
57.500	0.00	0.05	0.236	IO					3.12
57.583	0.00	0.05	0.235	IO					3.11
57.667	0.00	0.05	0.235	IO					3.11
57.750	0.00	0.05	0.234	IO					3.11
57.833	0.00	0.05	0.234	IO					3.10
57.917	0.00	0.05	0.234	IO					3.10
58.000	0.00	0.05	0.233	IO					3.10
58.083	0.00	0.05	0.233	IO					3.09
58.167	0.00	0.05	0.233	IO					3.09
58.250	0.00	0.05	0.232	IO					3.09
58.333	0.00	0.05	0.232	IO					3.08
58.417	0.00	0.05	0.232	IO					3.08
58.500	0.00	0.05	0.231	IO					3.08
58.583	0.00	0.05	0.231	IO					3.07
58.667	0.00	0.05	0.231	IO					3.07
58.750	0.00	0.05	0.230	IO					3.07
58.833	0.00	0.05	0.230	IO					3.06
58.917	0.00	0.05	0.230	IO					3.06
59.000	0.00	0.05	0.229	IO					3.06
59.083	0.00	0.05	0.229	IO					3.05
59.167	0.00	0.05	0.229	IO					3.05
59.250	0.00	0.05	0.228	IO					3.05
59.333	0.00	0.05	0.228	IO					3.04
59.417	0.00	0.05	0.228	IO					3.04
59.500	0.00	0.05	0.227	IO					3.04
59.583	0.00	0.05	0.227	IO					3.03
59.667	0.00	0.05	0.227	IO					3.03
59.750	0.00	0.05	0.226	IO					3.03
59.833	0.00	0.05	0.226	IO					3.02
59.917	0.00	0.05	0.226	IO					3.02
60.000	0.00	0.05	0.225	IO					3.02
60.083	0.00	0.05	0.225	IO					3.01
60.167	0.00	0.05	0.225	IO					3.01

60.250	0.00	0.05	0.224	IO					3.00
60.333	0.00	0.05	0.224	IO					3.00
60.417	0.00	0.05	0.224	IO					3.00
60.500	0.00	0.05	0.223	IO					2.99
60.583	0.00	0.05	0.223	IO					2.99
60.667	0.00	0.05	0.223	IO					2.99
60.750	0.00	0.05	0.223	IO					2.98
60.833	0.00	0.05	0.222	IO					2.98
60.917	0.00	0.05	0.222	IO					2.98
61.000	0.00	0.05	0.222	IO					2.97
61.083	0.00	0.05	0.221	IO					2.97
61.167	0.00	0.05	0.221	IO					2.97
61.250	0.00	0.05	0.221	IO					2.96
61.333	0.00	0.05	0.220	IO					2.96
61.417	0.00	0.05	0.220	IO					2.96
61.500	0.00	0.05	0.220	IO					2.95
61.583	0.00	0.05	0.219	IO					2.95
61.667	0.00	0.05	0.219	IO					2.95
61.750	0.00	0.05	0.219	IO					2.94
61.833	0.00	0.05	0.218	IO					2.94
61.917	0.00	0.05	0.218	IO					2.94
62.000	0.00	0.05	0.218	IO					2.93
62.083	0.00	0.05	0.217	IO					2.93
62.167	0.00	0.05	0.217	IO					2.93
62.250	0.00	0.05	0.217	IO					2.92
62.333	0.00	0.05	0.216	IO					2.92
62.417	0.00	0.05	0.216	IO					2.92
62.500	0.00	0.05	0.216	IO					2.91
62.583	0.00	0.05	0.215	IO					2.91
62.667	0.00	0.05	0.215	IO					2.91
62.750	0.00	0.05	0.215	IO					2.90
62.833	0.00	0.05	0.214	IO					2.90
62.917	0.00	0.05	0.214	IO					2.89
63.000	0.00	0.05	0.214	IO					2.89
63.083	0.00	0.05	0.213	IO					2.89
63.167	0.00	0.05	0.213	IO					2.88
63.250	0.00	0.05	0.213	IO					2.88
63.333	0.00	0.05	0.212	IO					2.88
63.417	0.00	0.05	0.212	IO					2.87
63.500	0.00	0.05	0.212	IO					2.87
63.583	0.00	0.05	0.211	IO					2.87
63.667	0.00	0.05	0.211	IO					2.86
63.750	0.00	0.05	0.211	IO					2.86
63.833	0.00	0.05	0.210	IO					2.86
63.917	0.00	0.05	0.210	IO					2.85
64.000	0.00	0.05	0.210	IO					2.85
64.083	0.00	0.05	0.209	IO					2.85
64.167	0.00	0.05	0.209	IO					2.84
64.250	0.00	0.05	0.209	IO					2.84
64.333	0.00	0.05	0.209	IO					2.84

64.417	0.00	0.05	0.208	IO					2.83
64.500	0.00	0.05	0.208	IO					2.83
64.583	0.00	0.05	0.208	IO					2.83
64.667	0.00	0.05	0.207	IO					2.82
64.750	0.00	0.05	0.207	IO					2.82
64.833	0.00	0.05	0.207	IO					2.82
64.917	0.00	0.05	0.206	IO					2.81
65.000	0.00	0.05	0.206	IO					2.81
65.083	0.00	0.05	0.206	IO					2.81
65.167	0.00	0.05	0.205	IO					2.80
65.250	0.00	0.05	0.205	IO					2.80
65.333	0.00	0.05	0.205	IO					2.80
65.417	0.00	0.05	0.204	IO					2.79
65.500	0.00	0.05	0.204	IO					2.79
65.583	0.00	0.05	0.204	IO					2.79
65.667	0.00	0.05	0.203	IO					2.78
65.750	0.00	0.05	0.203	IO					2.78
65.833	0.00	0.05	0.203	IO					2.78
65.917	0.00	0.05	0.202	IO					2.77
66.000	0.00	0.05	0.202	IO					2.77
66.083	0.00	0.05	0.202	IO					2.77
66.167	0.00	0.05	0.202	IO					2.76
66.250	0.00	0.05	0.201	IO					2.76
66.333	0.00	0.05	0.201	IO					2.76
66.417	0.00	0.05	0.201	IO					2.75
66.500	0.00	0.05	0.200	IO					2.75
66.583	0.00	0.05	0.200	IO					2.75
66.667	0.00	0.05	0.200	IO					2.74
66.750	0.00	0.05	0.199	IO					2.74
66.833	0.00	0.05	0.199	IO					2.74
66.917	0.00	0.05	0.199	IO					2.73
67.000	0.00	0.05	0.198	IO					2.73
67.083	0.00	0.05	0.198	IO					2.73
67.167	0.00	0.05	0.198	IO					2.72
67.250	0.00	0.05	0.197	IO					2.72
67.333	0.00	0.05	0.197	IO					2.72
67.417	0.00	0.05	0.197	IO					2.71
67.500	0.00	0.05	0.197	IO					2.71
67.583	0.00	0.05	0.196	IO					2.71
67.667	0.00	0.05	0.196	IO					2.70
67.750	0.00	0.05	0.196	IO					2.70
67.833	0.00	0.05	0.195	IO					2.70
67.917	0.00	0.05	0.195	IO					2.69
68.000	0.00	0.05	0.195	IO					2.69
68.083	0.00	0.05	0.194	IO					2.69
68.167	0.00	0.05	0.194	IO					2.68
68.250	0.00	0.05	0.194	IO					2.68
68.333	0.00	0.05	0.193	IO					2.68
68.417	0.00	0.05	0.193	IO					2.67
68.500	0.00	0.05	0.193	IO					2.67

68.583	0.00	0.05	0.192	IO					2.67
68.667	0.00	0.04	0.192	IO					2.66
68.750	0.00	0.04	0.192	IO					2.66
68.833	0.00	0.04	0.192	IO					2.66
68.917	0.00	0.04	0.191	IO					2.65
69.000	0.00	0.04	0.191	IO					2.65
69.083	0.00	0.04	0.191	IO					2.65
69.167	0.00	0.04	0.190	IO					2.65
69.250	0.00	0.04	0.190	IO					2.64
69.333	0.00	0.04	0.190	IO					2.64
69.417	0.00	0.04	0.189	IO					2.64
69.500	0.00	0.04	0.189	IO					2.63
69.583	0.00	0.04	0.189	IO					2.63
69.667	0.00	0.04	0.188	IO					2.63
69.750	0.00	0.04	0.188	IO					2.62
69.833	0.00	0.04	0.188	IO					2.62
69.917	0.00	0.04	0.188	IO					2.62
70.000	0.00	0.04	0.187	IO					2.61
70.083	0.00	0.04	0.187	IO					2.61
70.167	0.00	0.04	0.187	IO					2.61
70.250	0.00	0.04	0.186	IO					2.60
70.333	0.00	0.04	0.186	IO					2.60
70.417	0.00	0.04	0.186	IO					2.60
70.500	0.00	0.04	0.185	IO					2.59
70.583	0.00	0.04	0.185	IO					2.59
70.667	0.00	0.04	0.185	IO					2.59
70.750	0.00	0.04	0.184	IO					2.58
70.833	0.00	0.04	0.184	IO					2.58
70.917	0.00	0.04	0.184	IO					2.58
71.000	0.00	0.04	0.184	IO					2.57
71.083	0.00	0.04	0.183	IO					2.57
71.167	0.00	0.04	0.183	IO					2.57
71.250	0.00	0.04	0.183	IO					2.56
71.333	0.00	0.04	0.182	IO					2.56
71.417	0.00	0.04	0.182	IO					2.56
71.500	0.00	0.04	0.182	IO					2.56
71.583	0.00	0.04	0.181	IO					2.55
71.667	0.00	0.04	0.181	IO					2.55
71.750	0.00	0.04	0.181	IO					2.55
71.833	0.00	0.04	0.181	IO					2.54
71.917	0.00	0.04	0.180	IO					2.54
72.000	0.00	0.04	0.180	IO					2.54
72.083	0.00	0.04	0.180	IO					2.53
72.167	0.00	0.04	0.179	IO					2.53
72.250	0.00	0.04	0.179	IO					2.53
72.333	0.00	0.04	0.179	IO					2.52
72.417	0.00	0.04	0.178	IO					2.52
72.500	0.00	0.04	0.178	IO					2.52
72.583	0.00	0.04	0.178	IO					2.51
72.667	0.00	0.04	0.178	IO					2.51

72.750	0.00	0.04	0.177	IO					2.51
72.833	0.00	0.04	0.177	IO					2.50
72.917	0.00	0.04	0.177	IO					2.50
73.000	0.00	0.04	0.176	IO					2.50
73.083	0.00	0.04	0.176	IO					2.49
73.167	0.00	0.04	0.176	IO					2.49
73.250	0.00	0.04	0.175	IO					2.49
73.333	0.00	0.04	0.175	IO					2.49
73.417	0.00	0.04	0.175	IO					2.48
73.500	0.00	0.04	0.175	IO					2.48
73.583	0.00	0.04	0.174	IO					2.48
73.667	0.00	0.04	0.174	IO					2.47
73.750	0.00	0.04	0.174	IO					2.47
73.833	0.00	0.04	0.173	IO					2.47
73.917	0.00	0.04	0.173	IO					2.46
74.000	0.00	0.04	0.173	IO					2.46
74.083	0.00	0.04	0.172	IO					2.46
74.167	0.00	0.04	0.172	IO					2.45
74.250	0.00	0.04	0.172	IO					2.45
74.333	0.00	0.04	0.172	IO					2.45
74.417	0.00	0.04	0.171	IO					2.44
74.500	0.00	0.04	0.171	IO					2.44
74.583	0.00	0.04	0.171	IO					2.44
74.667	0.00	0.04	0.170	IO					2.44
74.750	0.00	0.04	0.170	IO					2.43
74.833	0.00	0.04	0.170	IO					2.43
74.917	0.00	0.04	0.169	IO					2.43
75.000	0.00	0.04	0.169	IO					2.42
75.083	0.00	0.04	0.169	IO					2.42
75.167	0.00	0.04	0.169	IO					2.42
75.250	0.00	0.04	0.168	IO					2.41
75.333	0.00	0.04	0.168	IO					2.41
75.417	0.00	0.04	0.168	IO					2.41
75.500	0.00	0.04	0.167	IO					2.40
75.583	0.00	0.04	0.167	IO					2.40
75.667	0.00	0.04	0.167	IO					2.40
75.750	0.00	0.04	0.167	IO					2.40
75.833	0.00	0.04	0.166	IO					2.39
75.917	0.00	0.04	0.166	IO					2.39
76.000	0.00	0.04	0.166	IO					2.39
76.083	0.00	0.04	0.165	IO					2.38
76.167	0.00	0.04	0.165	IO					2.38
76.250	0.00	0.04	0.165	IO					2.38
76.333	0.00	0.04	0.164	IO					2.37
76.417	0.00	0.04	0.164	IO					2.37
76.500	0.00	0.04	0.164	IO					2.37
76.583	0.00	0.04	0.164	IO					2.36
76.667	0.00	0.04	0.163	IO					2.36
76.750	0.00	0.04	0.163	IO					2.36
76.833	0.00	0.04	0.163	IO					2.36

76.917	0.00	0.04	0.162	IO					2.35
77.000	0.00	0.04	0.162	IO					2.35
77.083	0.00	0.04	0.162	IO					2.35
77.167	0.00	0.04	0.162	IO					2.34
77.250	0.00	0.04	0.161	IO					2.34
77.333	0.00	0.04	0.161	IO					2.34
77.417	0.00	0.04	0.161	IO					2.33
77.500	0.00	0.04	0.160	IO					2.33
77.583	0.00	0.04	0.160	IO					2.33
77.667	0.00	0.04	0.160	IO					2.32
77.750	0.00	0.04	0.160	IO					2.32
77.833	0.00	0.04	0.159	IO					2.32
77.917	0.00	0.04	0.159	IO					2.32
78.000	0.00	0.04	0.159	IO					2.31
78.083	0.00	0.04	0.158	IO					2.31
78.167	0.00	0.04	0.158	IO					2.31
78.250	0.00	0.04	0.158	IO					2.30
78.333	0.00	0.04	0.158	IO					2.30
78.417	0.00	0.04	0.157	IO					2.30
78.500	0.00	0.04	0.157	IO					2.29
78.583	0.00	0.04	0.157	IO					2.29
78.667	0.00	0.04	0.156	IO					2.29
78.750	0.00	0.04	0.156	IO					2.29
78.833	0.00	0.04	0.156	IO					2.28
78.917	0.00	0.04	0.156	IO					2.28
79.000	0.00	0.04	0.155	IO					2.28
79.083	0.00	0.04	0.155	IO					2.27
79.167	0.00	0.04	0.155	IO					2.27
79.250	0.00	0.04	0.154	IO					2.27
79.333	0.00	0.04	0.154	IO					2.26
79.417	0.00	0.04	0.154	IO					2.26
79.500	0.00	0.04	0.154	IO					2.26
79.583	0.00	0.04	0.153	IO					2.26
79.667	0.00	0.04	0.153	IO					2.25
79.750	0.00	0.04	0.153	IO					2.25
79.833	0.00	0.04	0.152	IO					2.25
79.917	0.00	0.04	0.152	IO					2.24
80.000	0.00	0.04	0.152	IO					2.24
80.083	0.00	0.04	0.152	IO					2.24
80.167	0.00	0.04	0.151	IO					2.23
80.250	0.00	0.04	0.151	IO					2.23
80.333	0.00	0.04	0.151	IO					2.23
80.417	0.00	0.04	0.150	IO					2.23
80.500	0.00	0.04	0.150	IO					2.22
80.583	0.00	0.04	0.150	IO					2.22
80.667	0.00	0.04	0.150	IO					2.22
80.750	0.00	0.04	0.149	IO					2.21
80.833	0.00	0.04	0.149	IO					2.21
80.917	0.00	0.04	0.149	IO					2.21
81.000	0.00	0.04	0.148	IO					2.20

81.083	0.00	0.04	0.148	IO					2.20
81.167	0.00	0.04	0.148	IO					2.20
81.250	0.00	0.04	0.148	IO					2.20
81.333	0.00	0.04	0.147	IO					2.19
81.417	0.00	0.04	0.147	IO					2.19
81.500	0.00	0.04	0.147	IO					2.19
81.583	0.00	0.04	0.146	IO					2.18
81.667	0.00	0.04	0.146	IO					2.18
81.750	0.00	0.04	0.146	IO					2.18
81.833	0.00	0.04	0.146	IO					2.18
81.917	0.00	0.04	0.145	IO					2.17
82.000	0.00	0.04	0.145	IO					2.17
82.083	0.00	0.04	0.145	IO					2.17
82.167	0.00	0.04	0.145	IO					2.16
82.250	0.00	0.04	0.144	IO					2.16
82.333	0.00	0.04	0.144	IO					2.16
82.417	0.00	0.04	0.144	IO					2.15
82.500	0.00	0.04	0.143	IO					2.15
82.583	0.00	0.04	0.143	IO					2.15
82.667	0.00	0.04	0.143	IO					2.15
82.750	0.00	0.04	0.143	IO					2.14
82.833	0.00	0.04	0.142	IO					2.14
82.917	0.00	0.04	0.142	IO					2.14
83.000	0.00	0.04	0.142	IO					2.13
83.083	0.00	0.04	0.141	IO					2.13
83.167	0.00	0.04	0.141	IO					2.13
83.250	0.00	0.04	0.141	IO					2.13
83.333	0.00	0.04	0.141	IO					2.12
83.417	0.00	0.04	0.140	IO					2.12
83.500	0.00	0.04	0.140	IO					2.12
83.583	0.00	0.04	0.140	IO					2.11
83.667	0.00	0.04	0.140	IO					2.11
83.750	0.00	0.04	0.139	IO					2.11
83.833	0.00	0.04	0.139	IO					2.11
83.917	0.00	0.04	0.139	IO					2.10
84.000	0.00	0.04	0.138	IO					2.10
84.083	0.00	0.04	0.138	IO					2.10
84.167	0.00	0.04	0.138	IO					2.09
84.250	0.00	0.04	0.138	IO					2.09
84.333	0.00	0.04	0.137	IO					2.09
84.417	0.00	0.04	0.137	IO					2.08
84.500	0.00	0.04	0.137	IO					2.08
84.583	0.00	0.04	0.137	IO					2.08
84.667	0.00	0.04	0.136	IO					2.08
84.750	0.00	0.04	0.136	IO					2.07
84.833	0.00	0.04	0.136	IO					2.07
84.917	0.00	0.04	0.135	IO					2.07
85.000	0.00	0.04	0.135	IO					2.06
85.083	0.00	0.04	0.135	IO					2.06
85.167	0.00	0.04	0.135	IO					2.06

85.250	0.00	0.04	0.134	IO					2.06
85.333	0.00	0.04	0.134	IO					2.05
85.417	0.00	0.04	0.134	IO					2.05
85.500	0.00	0.04	0.134	IO					2.05
85.583	0.00	0.04	0.133	IO					2.04
85.667	0.00	0.04	0.133	IO					2.04
85.750	0.00	0.04	0.133	IO					2.04
85.833	0.00	0.04	0.132	IO					2.04
85.917	0.00	0.04	0.132	IO					2.03
86.000	0.00	0.04	0.132	IO					2.03
86.083	0.00	0.04	0.132	IO					2.03
86.167	0.00	0.04	0.131	IO					2.02
86.250	0.00	0.04	0.131	IO					2.02
86.333	0.00	0.04	0.131	IO					2.02
86.417	0.00	0.04	0.131	IO					2.02
86.500	0.00	0.04	0.130	IO					2.01
86.583	0.00	0.04	0.130	IO					2.01
86.667	0.00	0.04	0.130	IO					2.01
86.750	0.00	0.04	0.129	IO					2.00
86.833	0.00	0.04	0.129	IO					2.00
86.917	0.00	0.04	0.129	IO					2.00
87.000	0.00	0.04	0.129	IO					2.00
87.083	0.00	0.04	0.128	IO					1.99
87.167	0.00	0.04	0.128	IO					1.99
87.250	0.00	0.04	0.128	IO					1.99
87.333	0.00	0.04	0.128	IO					1.98
87.417	0.00	0.04	0.127	IO					1.98
87.500	0.00	0.04	0.127	IO					1.98
87.583	0.00	0.04	0.127	IO					1.97
87.667	0.00	0.04	0.127	IO					1.97
87.750	0.00	0.04	0.126	IO					1.97
87.833	0.00	0.04	0.126	IO					1.96
87.917	0.00	0.04	0.126	IO					1.96
88.000	0.00	0.04	0.125	IO					1.96
88.083	0.00	0.04	0.125	IO					1.95
88.167	0.00	0.04	0.125	IO					1.95
88.250	0.00	0.04	0.125	IO					1.95
88.333	0.00	0.04	0.124	IO					1.94
88.417	0.00	0.04	0.124	IO					1.94
88.500	0.00	0.04	0.124	IO					1.94
88.583	0.00	0.04	0.124	IO					1.93
88.667	0.00	0.04	0.123	IO					1.93
88.750	0.00	0.04	0.123	IO					1.93
88.833	0.00	0.04	0.123	IO					1.92
88.917	0.00	0.04	0.123	IO					1.92
89.000	0.00	0.04	0.122	IO					1.92
89.083	0.00	0.04	0.122	IO					1.91
89.167	0.00	0.04	0.122	IO					1.91
89.250	0.00	0.04	0.122	IO					1.91
89.333	0.00	0.04	0.121	IO					1.90

89.417	0.00	0.04	0.121	IO					1.90
89.500	0.00	0.04	0.121	IO					1.90
89.583	0.00	0.04	0.120	IO					1.89
89.667	0.00	0.04	0.120	IO					1.89
89.750	0.00	0.04	0.120	IO					1.89
89.833	0.00	0.04	0.120	IO					1.88
89.917	0.00	0.04	0.119	IO					1.88
90.000	0.00	0.04	0.119	IO					1.88
90.083	0.00	0.04	0.119	IO					1.87
90.167	0.00	0.04	0.119	IO					1.87
90.250	0.00	0.04	0.118	IO					1.87
90.333	0.00	0.04	0.118	IO					1.86
90.417	0.00	0.04	0.118	IO					1.86
90.500	0.00	0.04	0.118	IO					1.86
90.583	0.00	0.04	0.117	IO					1.85
90.667	0.00	0.04	0.117	IO					1.85
90.750	0.00	0.04	0.117	IO					1.85
90.833	0.00	0.04	0.117	IO					1.84
90.917	0.00	0.04	0.116	IO					1.84
91.000	0.00	0.04	0.116	IO					1.84
91.083	0.00	0.04	0.116	IO					1.84
91.167	0.00	0.04	0.116	IO					1.83
91.250	0.00	0.04	0.115	IO					1.83
91.333	0.00	0.04	0.115	IO					1.83
91.417	0.00	0.04	0.115	IO					1.82
91.500	0.00	0.04	0.115	IO					1.82
91.583	0.00	0.04	0.114	IO					1.82
91.667	0.00	0.04	0.114	IO					1.81
91.750	0.00	0.04	0.114	IO					1.81
91.833	0.00	0.04	0.114	IO					1.81
91.917	0.00	0.04	0.113	IO					1.80
92.000	0.00	0.04	0.113	IO					1.80
92.083	0.00	0.04	0.113	IO					1.80
92.167	0.00	0.04	0.113	IO					1.79
92.250	0.00	0.04	0.112	IO					1.79
92.333	0.00	0.04	0.112	IO					1.79
92.417	0.00	0.04	0.112	IO					1.78
92.500	0.00	0.04	0.111	IO					1.78
92.583	0.00	0.04	0.111	IO					1.78
92.667	0.00	0.04	0.111	IO					1.77
92.750	0.00	0.04	0.111	IO					1.77
92.833	0.00	0.04	0.110	IO					1.77
92.917	0.00	0.04	0.110	IO					1.77
93.000	0.00	0.04	0.110	IO					1.76
93.083	0.00	0.04	0.110	IO					1.76
93.167	0.00	0.04	0.109	IO					1.76
93.250	0.00	0.04	0.109	IO					1.75
93.333	0.00	0.04	0.109	IO					1.75
93.417	0.00	0.04	0.109	IO					1.75
93.500	0.00	0.04	0.108	IO					1.74

93.583	0.00	0.04	0.108	IO					1.74
93.667	0.00	0.04	0.108	IO					1.74
93.750	0.00	0.04	0.108	IO					1.73
93.833	0.00	0.04	0.107	IO					1.73
93.917	0.00	0.04	0.107	IO					1.73
94.000	0.00	0.04	0.107	IO					1.72
94.083	0.00	0.04	0.107	IO					1.72
94.167	0.00	0.04	0.106	IO					1.72
94.250	0.00	0.04	0.106	IO					1.72
94.333	0.00	0.04	0.106	IO					1.71
94.417	0.00	0.04	0.106	IO					1.71
94.500	0.00	0.04	0.106	IO					1.71
94.583	0.00	0.04	0.105	IO					1.70
94.667	0.00	0.04	0.105	IO					1.70
94.750	0.00	0.04	0.105	IO					1.70
94.833	0.00	0.04	0.105	IO					1.69
94.917	0.00	0.04	0.104	IO					1.69
95.000	0.00	0.04	0.104	IO					1.69
95.083	0.00	0.04	0.104	IO					1.68
95.167	0.00	0.04	0.104	IO					1.68
95.250	0.00	0.04	0.103	IO					1.68
95.333	0.00	0.04	0.103	IO					1.68
95.417	0.00	0.04	0.103	IO					1.67
95.500	0.00	0.04	0.103	IO					1.67
95.583	0.00	0.04	0.102	IO					1.67
95.667	0.00	0.04	0.102	IO					1.66
95.750	0.00	0.04	0.102	IO					1.66
95.833	0.00	0.04	0.102	IO					1.66
95.917	0.00	0.04	0.101	IO					1.65
96.000	0.00	0.04	0.101	IO					1.65
96.083	0.00	0.04	0.101	IO					1.65
96.167	0.00	0.04	0.101	IO					1.65
96.250	0.00	0.04	0.100	IO					1.64
96.333	0.00	0.04	0.100	IO					1.64
96.417	0.00	0.03	0.100	IO					1.64
96.500	0.00	0.03	0.100	IO					1.63
96.583	0.00	0.03	0.099	IO					1.63
96.667	0.00	0.03	0.099	IO					1.63
96.750	0.00	0.03	0.099	IO					1.62
96.833	0.00	0.03	0.099	IO					1.62
96.917	0.00	0.03	0.098	IO					1.62
97.000	0.00	0.03	0.098	IO					1.62
97.083	0.00	0.03	0.098	IO					1.61
97.167	0.00	0.03	0.098	IO					1.61
97.250	0.00	0.03	0.098	IO					1.61
97.333	0.00	0.03	0.097	IO					1.60
97.417	0.00	0.03	0.097	IO					1.60
97.500	0.00	0.03	0.097	IO					1.60
97.583	0.00	0.03	0.097	IO					1.59
97.667	0.00	0.03	0.096	IO					1.59

97.750	0.00	0.03	0.096	IO					1.59
97.833	0.00	0.03	0.096	IO					1.59
97.917	0.00	0.03	0.096	IO					1.58
98.000	0.00	0.03	0.095	IO					1.58
98.083	0.00	0.03	0.095	IO					1.58
98.167	0.00	0.03	0.095	IO					1.57
98.250	0.00	0.03	0.095	IO					1.57
98.333	0.00	0.03	0.094	IO					1.57
98.417	0.00	0.03	0.094	IO					1.56
98.500	0.00	0.03	0.094	IO					1.56
98.583	0.00	0.03	0.094	IO					1.56
98.667	0.00	0.03	0.093	IO					1.56
98.750	0.00	0.03	0.093	IO					1.55
98.833	0.00	0.03	0.093	IO					1.55
98.917	0.00	0.03	0.093	IO					1.55
99.000	0.00	0.03	0.093	IO					1.54
99.083	0.00	0.03	0.092	IO					1.54
99.167	0.00	0.03	0.092	IO					1.54
99.250	0.00	0.03	0.092	IO					1.54
99.333	0.00	0.03	0.092	IO					1.53
99.417	0.00	0.03	0.091	IO					1.53
99.500	0.00	0.03	0.091	IO					1.53
99.583	0.00	0.03	0.091	IO					1.52
99.667	0.00	0.03	0.091	IO					1.52
99.750	0.00	0.03	0.090	IO					1.52
99.833	0.00	0.03	0.090	IO					1.52
99.917	0.00	0.03	0.090	IO					1.51
100.000	0.00	0.03	0.090	IO					1.51
100.083	0.00	0.03	0.090	IO					1.51
100.167	0.00	0.03	0.089	IO					1.50
100.250	0.00	0.03	0.089	IO					1.50
100.333	0.00	0.03	0.089	IO					1.50
100.417	0.00	0.03	0.089	IO					1.49
100.500	0.00	0.03	0.088	IO					1.49
100.583	0.00	0.03	0.088	IO					1.49
100.667	0.00	0.03	0.088	IO					1.49
100.750	0.00	0.03	0.088	IO					1.48
100.833	0.00	0.03	0.087	IO					1.48
100.917	0.00	0.03	0.087	IO					1.48
101.000	0.00	0.03	0.087	IO					1.47
101.083	0.00	0.03	0.087	IO					1.47
101.167	0.00	0.03	0.087	IO					1.47
101.250	0.00	0.03	0.086	IO					1.47
101.333	0.00	0.03	0.086	IO					1.46
101.417	0.00	0.03	0.086	IO					1.46
101.500	0.00	0.03	0.086	IO					1.46
101.583	0.00	0.03	0.085	IO					1.45
101.667	0.00	0.03	0.085	IO					1.45
101.750	0.00	0.03	0.085	IO					1.45
101.833	0.00	0.03	0.085	IO					1.45

101.917	0.00	0.03	0.084	IO					1.44
102.000	0.00	0.03	0.084	IO					1.44
102.083	0.00	0.03	0.084	IO					1.44
102.167	0.00	0.03	0.084	IO					1.44
102.250	0.00	0.03	0.084	IO					1.43
102.333	0.00	0.03	0.083	IO					1.43
102.417	0.00	0.03	0.083	IO					1.43
102.500	0.00	0.03	0.083	IO					1.42
102.583	0.00	0.03	0.083	IO					1.42
102.667	0.00	0.03	0.082	IO					1.42
102.750	0.00	0.03	0.082	IO					1.42
102.833	0.00	0.03	0.082	IO					1.41
102.917	0.00	0.03	0.082	IO					1.41
103.000	0.00	0.03	0.082	IO					1.41
103.083	0.00	0.03	0.081	IO					1.40
103.167	0.00	0.03	0.081	IO					1.40
103.250	0.00	0.03	0.081	IO					1.40
103.333	0.00	0.03	0.081	IO					1.40
103.417	0.00	0.03	0.080	IO					1.39
103.500	0.00	0.03	0.080	IO					1.39
103.583	0.00	0.03	0.080	IO					1.39
103.667	0.00	0.03	0.080	IO					1.38
103.750	0.00	0.03	0.080	IO					1.38
103.833	0.00	0.03	0.079	IO					1.38
103.917	0.00	0.03	0.079	IO					1.38
104.000	0.00	0.03	0.079	IO					1.37
104.083	0.00	0.03	0.079	IO					1.37
104.167	0.00	0.03	0.078	IO					1.37
104.250	0.00	0.03	0.078	IO					1.37
104.333	0.00	0.03	0.078	IO					1.36
104.417	0.00	0.03	0.078	IO					1.36
104.500	0.00	0.03	0.078	IO					1.36
104.583	0.00	0.03	0.077	IO					1.35
104.667	0.00	0.03	0.077	IO					1.35
104.750	0.00	0.03	0.077	IO					1.35
104.833	0.00	0.03	0.077	IO					1.35
104.917	0.00	0.03	0.076	IO					1.34
105.000	0.00	0.03	0.076	IO					1.34
105.083	0.00	0.03	0.076	IO					1.34
105.167	0.00	0.03	0.076	IO					1.34
105.250	0.00	0.03	0.076	O					1.33
105.333	0.00	0.03	0.075	O					1.33
105.417	0.00	0.03	0.075	O					1.33
105.500	0.00	0.03	0.075	O					1.32
105.583	0.00	0.03	0.075	O					1.32
105.667	0.00	0.03	0.075	O					1.32
105.750	0.00	0.03	0.074	O					1.32
105.833	0.00	0.03	0.074	O					1.31
105.917	0.00	0.03	0.074	O					1.31
106.000	0.00	0.03	0.074	O					1.31

106.083	0.00	0.03	0.073	0					1.31
106.167	0.00	0.03	0.073	0					1.30
106.250	0.00	0.03	0.073	0					1.30
106.333	0.00	0.03	0.073	0					1.30
106.417	0.00	0.03	0.073	0					1.29
106.500	0.00	0.03	0.072	0					1.29
106.583	0.00	0.03	0.072	0					1.29
106.667	0.00	0.03	0.072	0					1.29
106.750	0.00	0.03	0.072	0					1.28
106.833	0.00	0.03	0.071	0					1.28
106.917	0.00	0.03	0.071	0					1.28
107.000	0.00	0.03	0.071	0					1.28
107.083	0.00	0.03	0.071	0					1.27
107.167	0.00	0.03	0.071	0					1.27
107.250	0.00	0.03	0.070	0					1.27
107.333	0.00	0.03	0.070	0					1.27
107.417	0.00	0.03	0.070	0					1.26
107.500	0.00	0.03	0.070	0					1.26
107.583	0.00	0.03	0.070	0					1.26
107.667	0.00	0.03	0.069	0					1.25
107.750	0.00	0.03	0.069	0					1.25
107.833	0.00	0.03	0.069	0					1.25
107.917	0.00	0.03	0.069	0					1.25
108.000	0.00	0.03	0.069	0					1.24
108.083	0.00	0.03	0.068	0					1.24
108.167	0.00	0.03	0.068	0					1.24
108.250	0.00	0.03	0.068	0					1.24
108.333	0.00	0.03	0.068	0					1.23
108.417	0.00	0.03	0.067	0					1.23
108.500	0.00	0.03	0.067	0					1.23
108.583	0.00	0.03	0.067	0					1.23
108.667	0.00	0.03	0.067	0					1.22
108.750	0.00	0.03	0.067	0					1.22
108.833	0.00	0.03	0.066	0					1.22
108.917	0.00	0.03	0.066	0					1.22
109.000	0.00	0.03	0.066	0					1.21
109.083	0.00	0.03	0.066	0					1.21
109.167	0.00	0.03	0.066	0					1.21
109.250	0.00	0.03	0.065	0					1.20
109.333	0.00	0.03	0.065	0					1.20
109.417	0.00	0.03	0.065	0					1.20
109.500	0.00	0.03	0.065	0					1.20
109.583	0.00	0.03	0.065	0					1.19
109.667	0.00	0.03	0.064	0					1.19
109.750	0.00	0.03	0.064	0					1.19
109.833	0.00	0.03	0.064	0					1.19
109.917	0.00	0.03	0.064	0					1.18
110.000	0.00	0.03	0.063	0					1.18
110.083	0.00	0.03	0.063	0					1.18
110.167	0.00	0.03	0.063	0					1.18

110.250	0.00	0.03	0.063	0					1.17
110.333	0.00	0.03	0.063	0					1.17
110.417	0.00	0.03	0.062	0					1.17
110.500	0.00	0.03	0.062	0					1.17
110.583	0.00	0.03	0.062	0					1.16
110.667	0.00	0.03	0.062	0					1.16
110.750	0.00	0.03	0.062	0					1.16
110.833	0.00	0.03	0.061	0					1.16
110.917	0.00	0.03	0.061	0					1.15
111.000	0.00	0.03	0.061	0					1.15
111.083	0.00	0.03	0.061	0					1.15
111.167	0.00	0.03	0.061	0					1.15
111.250	0.00	0.03	0.060	0					1.14
111.333	0.00	0.03	0.060	0					1.14
111.417	0.00	0.03	0.060	0					1.14
111.500	0.00	0.03	0.060	0					1.14
111.583	0.00	0.03	0.060	0					1.13
111.667	0.00	0.03	0.059	0					1.13
111.750	0.00	0.03	0.059	0					1.13
111.833	0.00	0.03	0.059	0					1.13
111.917	0.00	0.03	0.059	0					1.12
112.000	0.00	0.03	0.059	0					1.12
112.083	0.00	0.03	0.058	0					1.12
112.167	0.00	0.03	0.058	0					1.11
112.250	0.00	0.03	0.058	0					1.11
112.333	0.00	0.03	0.058	0					1.11
112.417	0.00	0.03	0.058	0					1.11
112.500	0.00	0.03	0.057	0					1.10
112.583	0.00	0.03	0.057	0					1.10
112.667	0.00	0.03	0.057	0					1.10
112.750	0.00	0.03	0.057	0					1.10
112.833	0.00	0.03	0.057	0					1.09
112.917	0.00	0.03	0.056	0					1.09
113.000	0.00	0.03	0.056	0					1.09
113.083	0.00	0.03	0.056	0					1.09
113.167	0.00	0.03	0.056	0					1.08
113.250	0.00	0.03	0.056	0					1.08
113.333	0.00	0.03	0.055	0					1.08
113.417	0.00	0.03	0.055	0					1.08
113.500	0.00	0.03	0.055	0					1.07
113.583	0.00	0.03	0.055	0					1.07
113.667	0.00	0.03	0.055	0					1.07
113.750	0.00	0.03	0.054	0					1.07
113.833	0.00	0.03	0.054	0					1.07
113.917	0.00	0.03	0.054	0					1.06
114.000	0.00	0.03	0.054	0					1.06
114.083	0.00	0.03	0.054	0					1.06
114.167	0.00	0.03	0.053	0					1.06
114.250	0.00	0.03	0.053	0					1.05
114.333	0.00	0.03	0.053	0					1.05

114.417	0.00	0.03	0.053	0					1.05
114.500	0.00	0.03	0.053	0					1.05
114.583	0.00	0.03	0.052	0					1.04
114.667	0.00	0.03	0.052	0					1.04
114.750	0.00	0.03	0.052	0					1.04
114.833	0.00	0.03	0.052	0					1.04
114.917	0.00	0.03	0.052	0					1.03
115.000	0.00	0.03	0.051	0					1.03
115.083	0.00	0.03	0.051	0					1.03
115.167	0.00	0.03	0.051	0					1.03
115.250	0.00	0.03	0.051	0					1.02
115.333	0.00	0.03	0.051	0					1.02
115.417	0.00	0.03	0.050	0					1.02
115.500	0.00	0.03	0.050	0					1.02
115.583	0.00	0.03	0.050	0					1.01
115.667	0.00	0.03	0.050	0					1.01
115.750	0.00	0.03	0.050	0					1.01
115.833	0.00	0.03	0.050	0					1.01
115.917	0.00	0.03	0.049	0					1.00
116.000	0.00	0.03	0.049	0					1.00
116.083	0.00	0.03	0.049	0					1.00
116.167	0.00	0.03	0.049	0					0.99
116.250	0.00	0.03	0.049	0					0.99
116.333	0.00	0.03	0.048	0					0.99
116.417	0.00	0.03	0.048	0					0.98
116.500	0.00	0.03	0.048	0					0.98
116.583	0.00	0.03	0.048	0					0.98
116.667	0.00	0.03	0.048	0					0.97
116.750	0.00	0.03	0.047	0					0.97
116.833	0.00	0.03	0.047	0					0.97
116.917	0.00	0.03	0.047	0					0.96
117.000	0.00	0.03	0.047	0					0.96
117.083	0.00	0.03	0.047	0					0.96
117.167	0.00	0.03	0.046	0					0.95
117.250	0.00	0.03	0.046	0					0.95
117.333	0.00	0.03	0.046	0					0.94
117.417	0.00	0.03	0.046	0					0.94
117.500	0.00	0.03	0.046	0					0.94
117.583	0.00	0.03	0.046	0					0.93
117.667	0.00	0.03	0.045	0					0.93
117.750	0.00	0.03	0.045	0					0.93
117.833	0.00	0.03	0.045	0					0.92
117.917	0.00	0.03	0.045	0					0.92
118.000	0.00	0.03	0.045	0					0.92
118.083	0.00	0.03	0.044	0					0.91
118.167	0.00	0.03	0.044	0					0.91
118.250	0.00	0.03	0.044	0					0.91
118.333	0.00	0.03	0.044	0					0.90
118.417	0.00	0.03	0.044	0					0.90
118.500	0.00	0.03	0.044	0					0.90

118.583	0.00	0.03	0.043	0					0.89
118.667	0.00	0.03	0.043	0					0.89
118.750	0.00	0.03	0.043	0					0.89
118.833	0.00	0.03	0.043	0					0.88
118.917	0.00	0.03	0.043	0					0.88
119.000	0.00	0.02	0.043	0					0.88
119.083	0.00	0.02	0.042	0					0.87
119.167	0.00	0.02	0.042	0					0.87
119.250	0.00	0.02	0.042	0					0.87
119.333	0.00	0.02	0.042	0					0.86
119.417	0.00	0.02	0.042	0					0.86
119.500	0.00	0.02	0.042	0					0.86
119.583	0.00	0.02	0.041	0					0.85
119.667	0.00	0.02	0.041	0					0.85
119.750	0.00	0.02	0.041	0					0.85
119.833	0.00	0.02	0.041	0					0.84
119.917	0.00	0.02	0.041	0					0.84
120.000	0.00	0.02	0.041	0					0.84
120.083	0.00	0.02	0.040	0					0.83
120.167	0.00	0.02	0.040	0					0.83
120.250	0.00	0.02	0.040	0					0.83
120.333	0.00	0.02	0.040	0					0.83
120.417	0.00	0.02	0.040	0					0.82
120.500	0.00	0.02	0.040	0					0.82
120.583	0.00	0.02	0.039	0					0.82
120.667	0.00	0.02	0.039	0					0.81
120.750	0.00	0.02	0.039	0					0.81
120.833	0.00	0.02	0.039	0					0.81
120.917	0.00	0.02	0.039	0					0.80
121.000	0.00	0.02	0.039	0					0.80
121.083	0.00	0.02	0.038	0					0.80
121.167	0.00	0.02	0.038	0					0.79
121.250	0.00	0.02	0.038	0					0.79
121.333	0.00	0.02	0.038	0					0.79
121.417	0.00	0.02	0.038	0					0.79
121.500	0.00	0.02	0.038	0					0.78
121.583	0.00	0.02	0.037	0					0.78
121.667	0.00	0.02	0.037	0					0.78
121.750	0.00	0.02	0.037	0					0.77
121.833	0.00	0.02	0.037	0					0.77
121.917	0.00	0.02	0.037	0					0.77
122.000	0.00	0.02	0.037	0					0.76
122.083	0.00	0.02	0.037	0					0.76
122.167	0.00	0.02	0.036	0					0.76
122.250	0.00	0.02	0.036	0					0.76
122.333	0.00	0.02	0.036	0					0.75
122.417	0.00	0.02	0.036	0					0.75
122.500	0.00	0.02	0.036	0					0.75
122.583	0.00	0.02	0.036	0					0.74
122.667	0.00	0.02	0.035	0					0.74

122.750	0.00	0.02	0.035	0					0.74
122.833	0.00	0.02	0.035	0					0.74
122.917	0.00	0.02	0.035	0					0.73
123.000	0.00	0.02	0.035	0					0.73
123.083	0.00	0.02	0.035	0					0.73
123.167	0.00	0.02	0.035	0					0.72
123.250	0.00	0.02	0.034	0					0.72
123.333	0.00	0.02	0.034	0					0.72
123.417	0.00	0.02	0.034	0					0.72
123.500	0.00	0.02	0.034	0					0.71
123.583	0.00	0.02	0.034	0					0.71
123.667	0.00	0.02	0.034	0					0.71
123.750	0.00	0.02	0.034	0					0.71
123.833	0.00	0.02	0.033	0					0.70
123.917	0.00	0.02	0.033	0					0.70
124.000	0.00	0.02	0.033	0					0.70
124.083	0.00	0.02	0.033	0					0.69
124.167	0.00	0.02	0.033	0					0.69
124.250	0.00	0.02	0.033	0					0.69
124.333	0.00	0.02	0.033	0					0.69
124.417	0.00	0.02	0.032	0					0.68
124.500	0.00	0.02	0.032	0					0.68
124.583	0.00	0.02	0.032	0					0.68
124.667	0.00	0.02	0.032	0					0.68
124.750	0.00	0.02	0.032	0					0.67
124.833	0.00	0.02	0.032	0					0.67
124.917	0.00	0.02	0.032	0					0.67
125.000	0.00	0.02	0.031	0					0.66
125.083	0.00	0.02	0.031	0					0.66
125.167	0.00	0.02	0.031	0					0.66
125.250	0.00	0.02	0.031	0					0.66
125.333	0.00	0.02	0.031	0					0.65
125.417	0.00	0.02	0.031	0					0.65
125.500	0.00	0.02	0.031	0					0.65
125.583	0.00	0.02	0.031	0					0.65
125.667	0.00	0.02	0.030	0					0.64
125.750	0.00	0.02	0.030	0					0.64
125.833	0.00	0.02	0.030	0					0.64
125.917	0.00	0.02	0.030	0					0.64
126.000	0.00	0.02	0.030	0					0.63
126.083	0.00	0.02	0.030	0					0.63
126.167	0.00	0.02	0.030	0					0.63
126.250	0.00	0.02	0.030	0					0.63
126.333	0.00	0.02	0.029	0					0.62
126.417	0.00	0.02	0.029	0					0.62
126.500	0.00	0.02	0.029	0					0.62
126.583	0.00	0.02	0.029	0					0.62
126.667	0.00	0.02	0.029	0					0.61
126.750	0.00	0.02	0.029	0					0.61
126.833	0.00	0.02	0.029	0					0.61

126.917	0.00	0.02	0.028	0					0.61
127.000	0.00	0.02	0.028	0					0.60
127.083	0.00	0.02	0.028	0					0.60
127.167	0.00	0.02	0.028	0					0.60
127.250	0.00	0.02	0.028	0					0.60
127.333	0.00	0.02	0.028	0					0.59
127.417	0.00	0.02	0.028	0					0.59
127.500	0.00	0.02	0.028	0					0.59
127.583	0.00	0.02	0.027	0					0.59
127.667	0.00	0.02	0.027	0					0.59
127.750	0.00	0.02	0.027	0					0.58
127.833	0.00	0.02	0.027	0					0.58
127.917	0.00	0.02	0.027	0					0.58
128.000	0.00	0.02	0.027	0					0.58
128.083	0.00	0.02	0.027	0					0.57
128.167	0.00	0.02	0.027	0					0.57
128.250	0.00	0.02	0.026	0					0.57
128.333	0.00	0.02	0.026	0					0.57
128.417	0.00	0.02	0.026	0					0.56
128.500	0.00	0.02	0.026	0					0.56
128.583	0.00	0.02	0.026	0					0.56
128.667	0.00	0.02	0.026	0					0.56
128.750	0.00	0.02	0.026	0					0.56
128.833	0.00	0.02	0.026	0					0.55
128.917	0.00	0.02	0.026	0					0.55
129.000	0.00	0.02	0.025	0					0.55
129.083	0.00	0.02	0.025	0					0.55
129.167	0.00	0.02	0.025	0					0.54
129.250	0.00	0.02	0.025	0					0.54
129.333	0.00	0.02	0.025	0					0.54
129.417	0.00	0.02	0.025	0					0.54
129.500	0.00	0.02	0.025	0					0.54
129.583	0.00	0.02	0.025	0					0.53
129.667	0.00	0.02	0.025	0					0.53
129.750	0.00	0.02	0.024	0					0.53
129.833	0.00	0.02	0.024	0					0.53
129.917	0.00	0.02	0.024	0					0.52
130.000	0.00	0.02	0.024	0					0.52
130.083	0.00	0.02	0.024	0					0.52
130.167	0.00	0.02	0.024	0					0.52
130.250	0.00	0.02	0.024	0					0.52
130.333	0.00	0.02	0.024	0					0.51
130.417	0.00	0.02	0.023	0					0.51
130.500	0.00	0.02	0.023	0					0.51
130.583	0.00	0.02	0.023	0					0.51
130.667	0.00	0.02	0.023	0					0.51
130.750	0.00	0.02	0.023	0					0.50
130.833	0.00	0.02	0.023	0					0.50
130.917	0.00	0.02	0.023	0					0.50
131.000	0.00	0.02	0.023	0					0.50

131.083	0.00	0.02	0.023	0					0.49
131.167	0.00	0.02	0.023	0					0.49
131.250	0.00	0.02	0.022	0					0.49
131.333	0.00	0.02	0.022	0					0.49
131.417	0.00	0.02	0.022	0					0.49
131.500	0.00	0.02	0.022	0					0.48
131.583	0.00	0.02	0.022	0					0.48
131.667	0.00	0.02	0.022	0					0.48
131.750	0.00	0.02	0.022	0					0.48
131.833	0.00	0.02	0.022	0					0.48
131.917	0.00	0.02	0.022	0					0.47
132.000	0.00	0.02	0.021	0					0.47
132.083	0.00	0.02	0.021	0					0.47
132.167	0.00	0.02	0.021	0					0.47
132.250	0.00	0.01	0.021	0					0.47
132.333	0.00	0.01	0.021	0					0.46
132.417	0.00	0.01	0.021	0					0.46
132.500	0.00	0.01	0.021	0					0.46
132.583	0.00	0.01	0.021	0					0.46
132.667	0.00	0.01	0.021	0					0.46
132.750	0.00	0.01	0.021	0					0.45
132.833	0.00	0.01	0.020	0					0.45
132.917	0.00	0.01	0.020	0					0.45
133.000	0.00	0.01	0.020	0					0.45
133.083	0.00	0.01	0.020	0					0.45
133.167	0.00	0.01	0.020	0					0.45
133.250	0.00	0.01	0.020	0					0.44
133.333	0.00	0.01	0.020	0					0.44
133.417	0.00	0.01	0.020	0					0.44
133.500	0.00	0.01	0.020	0					0.44
133.583	0.00	0.01	0.020	0					0.44
133.667	0.00	0.01	0.019	0					0.43
133.750	0.00	0.01	0.019	0					0.43
133.833	0.00	0.01	0.019	0					0.43
133.917	0.00	0.01	0.019	0					0.43
134.000	0.00	0.01	0.019	0					0.43
134.083	0.00	0.01	0.019	0					0.42
134.167	0.00	0.01	0.019	0					0.42
134.250	0.00	0.01	0.019	0					0.42
134.333	0.00	0.01	0.019	0					0.42
134.417	0.00	0.01	0.019	0					0.42
134.500	0.00	0.01	0.018	0					0.42
134.583	0.00	0.01	0.018	0					0.41
134.667	0.00	0.01	0.018	0					0.41
134.750	0.00	0.01	0.018	0					0.41
134.833	0.00	0.01	0.018	0					0.41
134.917	0.00	0.01	0.018	0					0.41
135.000	0.00	0.01	0.018	0					0.40
135.083	0.00	0.01	0.018	0					0.40
135.167	0.00	0.01	0.018	0					0.40

135.250	0.00	0.01	0.018	0					0.40
135.333	0.00	0.01	0.018	0					0.40
135.417	0.00	0.01	0.017	0					0.40
135.500	0.00	0.01	0.017	0					0.39
135.583	0.00	0.01	0.017	0					0.39
135.667	0.00	0.01	0.017	0					0.39
135.750	0.00	0.01	0.017	0					0.39
135.833	0.00	0.01	0.017	0					0.39
135.917	0.00	0.01	0.017	0					0.39
136.000	0.00	0.01	0.017	0					0.38
136.083	0.00	0.01	0.017	0					0.38
136.167	0.00	0.01	0.017	0					0.38
136.250	0.00	0.01	0.017	0					0.38
136.333	0.00	0.01	0.016	0					0.38
136.417	0.00	0.01	0.016	0					0.38
136.500	0.00	0.01	0.016	0					0.37
136.583	0.00	0.01	0.016	0					0.37
136.667	0.00	0.01	0.016	0					0.37
136.750	0.00	0.01	0.016	0					0.37
136.833	0.00	0.01	0.016	0					0.37
136.917	0.00	0.01	0.016	0					0.37
137.000	0.00	0.01	0.016	0					0.36
137.083	0.00	0.01	0.016	0					0.36
137.167	0.00	0.01	0.016	0					0.36
137.250	0.00	0.01	0.016	0					0.36
137.333	0.00	0.01	0.015	0					0.36
137.417	0.00	0.01	0.015	0					0.36
137.500	0.00	0.01	0.015	0					0.35
137.583	0.00	0.01	0.015	0					0.35
137.667	0.00	0.01	0.015	0					0.35
137.750	0.00	0.01	0.015	0					0.35
137.833	0.00	0.01	0.015	0					0.35
137.917	0.00	0.01	0.015	0					0.35
138.000	0.00	0.01	0.015	0					0.34
138.083	0.00	0.01	0.015	0					0.34
138.167	0.00	0.01	0.015	0					0.34
138.250	0.00	0.01	0.015	0					0.34
138.333	0.00	0.01	0.014	0					0.34
138.417	0.00	0.01	0.014	0					0.34
138.500	0.00	0.01	0.014	0					0.34
138.583	0.00	0.01	0.014	0					0.33
138.667	0.00	0.01	0.014	0					0.33
138.750	0.00	0.01	0.014	0					0.33
138.833	0.00	0.01	0.014	0					0.33
138.917	0.00	0.01	0.014	0					0.33
139.000	0.00	0.01	0.014	0					0.33
139.083	0.00	0.01	0.014	0					0.32
139.167	0.00	0.01	0.014	0					0.32
139.250	0.00	0.01	0.014	0					0.32
139.333	0.00	0.01	0.013	0					0.32

139.417	0.00	0.01	0.013	0					0.32
139.500	0.00	0.01	0.013	0					0.32
139.583	0.00	0.01	0.013	0					0.32
139.667	0.00	0.01	0.013	0					0.31
139.750	0.00	0.01	0.013	0					0.31
139.833	0.00	0.01	0.013	0					0.31
139.917	0.00	0.01	0.013	0					0.31
140.000	0.00	0.01	0.013	0					0.31
140.083	0.00	0.01	0.013	0					0.31
140.167	0.00	0.01	0.013	0					0.31
140.250	0.00	0.01	0.013	0					0.30
140.333	0.00	0.01	0.013	0					0.30
140.417	0.00	0.01	0.012	0					0.30
140.500	0.00	0.01	0.012	0					0.30
140.583	0.00	0.01	0.012	0					0.30
140.667	0.00	0.01	0.012	0					0.30
140.750	0.00	0.01	0.012	0					0.30
140.833	0.00	0.01	0.012	0					0.29
140.917	0.00	0.01	0.012	0					0.29
141.000	0.00	0.01	0.012	0					0.29
141.083	0.00	0.01	0.012	0					0.29
141.167	0.00	0.01	0.012	0					0.29
141.250	0.00	0.01	0.012	0					0.29
141.333	0.00	0.01	0.012	0					0.29
141.417	0.00	0.01	0.012	0					0.28
141.500	0.00	0.01	0.012	0					0.28
141.583	0.00	0.01	0.011	0					0.28
141.667	0.00	0.01	0.011	0					0.28
141.750	0.00	0.01	0.011	0					0.28
141.833	0.00	0.01	0.011	0					0.28
141.917	0.00	0.01	0.011	0					0.28
142.000	0.00	0.01	0.011	0					0.27
142.083	0.00	0.01	0.011	0					0.27
142.167	0.00	0.01	0.011	0					0.27
142.250	0.00	0.01	0.011	0					0.27
142.333	0.00	0.01	0.011	0					0.27
142.417	0.00	0.01	0.011	0					0.27
142.500	0.00	0.01	0.011	0					0.27
142.583	0.00	0.01	0.011	0					0.26
142.667	0.00	0.01	0.011	0					0.26
142.750	0.00	0.01	0.010	0					0.26
142.833	0.00	0.01	0.010	0					0.26
142.917	0.00	0.01	0.010	0					0.26
143.000	0.00	0.01	0.010	0					0.26
143.083	0.00	0.01	0.010	0					0.26
143.167	0.00	0.01	0.010	0					0.26
143.250	0.00	0.01	0.010	0					0.25
143.333	0.00	0.01	0.010	0					0.25
143.417	0.00	0.01	0.010	0					0.25
143.500	0.00	0.01	0.010	0					0.25

143.583	0.00	0.01	0.010	0					0.25
143.667	0.00	0.01	0.010	0					0.25
143.750	0.00	0.01	0.010	0					0.25
143.833	0.00	0.01	0.010	0					0.25
143.917	0.00	0.01	0.010	0					0.24
144.000	0.00	0.01	0.009	0					0.24
144.083	0.00	0.01	0.009	0					0.24
144.167	0.00	0.01	0.009	0					0.24
144.250	0.00	0.01	0.009	0					0.24
144.333	0.00	0.01	0.009	0					0.24
144.417	0.00	0.01	0.009	0					0.24
144.500	0.00	0.01	0.009	0					0.24
144.583	0.00	0.01	0.009	0					0.23
144.667	0.00	0.01	0.009	0					0.23
144.750	0.00	0.01	0.009	0					0.23
144.833	0.00	0.01	0.009	0					0.23
144.917	0.00	0.01	0.009	0					0.23
145.000	0.00	0.01	0.009	0					0.23
145.083	0.00	0.01	0.009	0					0.23
145.167	0.00	0.01	0.009	0					0.23
145.250	0.00	0.01	0.009	0					0.22
145.333	0.00	0.01	0.008	0					0.22
145.417	0.00	0.01	0.008	0					0.22
145.500	0.00	0.01	0.008	0					0.22
145.583	0.00	0.01	0.008	0					0.22
145.667	0.00	0.01	0.008	0					0.22
145.750	0.00	0.01	0.008	0					0.22
145.833	0.00	0.01	0.008	0					0.22
145.917	0.00	0.01	0.008	0					0.22
146.000	0.00	0.01	0.008	0					0.21
146.083	0.00	0.01	0.008	0					0.21
146.167	0.00	0.01	0.008	0					0.21
146.250	0.00	0.01	0.008	0					0.21
146.333	0.00	0.01	0.008	0					0.21
146.417	0.00	0.01	0.008	0					0.21
146.500	0.00	0.01	0.008	0					0.21
146.583	0.00	0.01	0.008	0					0.21
146.667	0.00	0.01	0.007	0					0.21
146.750	0.00	0.01	0.007	0					0.20
146.833	0.00	0.01	0.007	0					0.20
146.917	0.00	0.01	0.007	0					0.20
147.000	0.00	0.01	0.007	0					0.20
147.083	0.00	0.01	0.007	0					0.20
147.167	0.00	0.01	0.007	0					0.20
147.250	0.00	0.01	0.007	0					0.20
147.333	0.00	0.01	0.007	0					0.20
147.417	0.00	0.01	0.007	0					0.19
147.500	0.00	0.01	0.007	0					0.19
147.583	0.00	0.01	0.007	0					0.19
147.667	0.00	0.01	0.007	0					0.19

147.750	0.00	0.01	0.007	0					0.19
147.833	0.00	0.01	0.007	0					0.19
147.917	0.00	0.01	0.007	0					0.19
148.000	0.00	0.01	0.007	0					0.19
148.083	0.00	0.01	0.007	0					0.19
148.167	0.00	0.01	0.006	0					0.19
148.250	0.00	0.01	0.006	0					0.18
148.333	0.00	0.01	0.006	0					0.18
148.417	0.00	0.01	0.006	0					0.18
148.500	0.00	0.01	0.006	0					0.18
148.583	0.00	0.01	0.006	0					0.18
148.667	0.00	0.01	0.006	0					0.18
148.750	0.00	0.01	0.006	0					0.18
148.833	0.00	0.01	0.006	0					0.18
148.917	0.00	0.01	0.006	0					0.18
149.000	0.00	0.01	0.006	0					0.17
149.083	0.00	0.01	0.006	0					0.17
149.167	0.00	0.01	0.006	0					0.17
149.250	0.00	0.01	0.006	0					0.17
149.333	0.00	0.01	0.006	0					0.17
149.417	0.00	0.01	0.006	0					0.17
149.500	0.00	0.01	0.006	0					0.17
149.583	0.00	0.01	0.006	0					0.17
149.667	0.00	0.01	0.005	0					0.17
149.750	0.00	0.01	0.005	0					0.17
149.833	0.00	0.01	0.005	0					0.16
149.917	0.00	0.01	0.005	0					0.16
150.000	0.00	0.01	0.005	0					0.16
150.083	0.00	0.01	0.005	0					0.16
150.167	0.00	0.01	0.005	0					0.16
150.250	0.00	0.01	0.005	0					0.16
150.333	0.00	0.01	0.005	0					0.16
150.417	0.00	0.01	0.005	0					0.16
150.500	0.00	0.01	0.005	0					0.16
150.583	0.00	0.01	0.005	0					0.16
150.667	0.00	0.01	0.005	0					0.15
150.750	0.00	0.01	0.005	0					0.15
150.833	0.00	0.01	0.005	0					0.15
150.917	0.00	0.01	0.005	0					0.15
151.000	0.00	0.01	0.005	0					0.15
151.083	0.00	0.01	0.005	0					0.15
151.167	0.00	0.01	0.005	0					0.15
151.250	0.00	0.01	0.005	0					0.15
151.333	0.00	0.01	0.004	0					0.15
151.417	0.00	0.01	0.004	0					0.15
151.500	0.00	0.01	0.004	0					0.15
151.583	0.00	0.01	0.004	0					0.14
151.667	0.00	0.01	0.004	0					0.14
151.750	0.00	0.01	0.004	0					0.14
151.833	0.00	0.01	0.004	0					0.14

151.917	0.00	0.01	0.004	0					0.14
152.000	0.00	0.01	0.004	0					0.14
152.083	0.00	0.01	0.004	0					0.14
152.167	0.00	0.01	0.004	0					0.14
152.250	0.00	0.01	0.004	0					0.14
152.333	0.00	0.01	0.004	0					0.14
152.417	0.00	0.01	0.004	0					0.14
152.500	0.00	0.01	0.004	0					0.13
152.583	0.00	0.01	0.004	0					0.13
152.667	0.00	0.01	0.004	0					0.13
152.750	0.00	0.01	0.004	0					0.13
152.833	0.00	0.01	0.004	0					0.13
152.917	0.00	0.01	0.004	0					0.13
153.000	0.00	0.01	0.004	0					0.13
153.083	0.00	0.01	0.003	0					0.13
153.167	0.00	0.01	0.003	0					0.13
153.250	0.00	0.01	0.003	0					0.13
153.333	0.00	0.01	0.003	0					0.13
153.417	0.00	0.01	0.003	0					0.12
153.500	0.00	0.01	0.003	0					0.12
153.583	0.00	0.01	0.003	0					0.12
153.667	0.00	0.01	0.003	0					0.12
153.750	0.00	0.01	0.003	0					0.12
153.833	0.00	0.01	0.003	0					0.12
153.917	0.00	0.01	0.003	0					0.12
154.000	0.00	0.01	0.003	0					0.12
154.083	0.00	0.01	0.003	0					0.12
154.167	0.00	0.01	0.003	0					0.12
154.250	0.00	0.01	0.003	0					0.12
154.333	0.00	0.01	0.003	0					0.12
154.417	0.00	0.01	0.003	0					0.11
154.500	0.00	0.01	0.003	0					0.11
154.583	0.00	0.01	0.003	0					0.11
154.667	0.00	0.01	0.003	0					0.11
154.750	0.00	0.01	0.003	0					0.11
154.833	0.00	0.01	0.003	0					0.11
154.917	0.00	0.01	0.002	0					0.11
155.000	0.00	0.01	0.002	0					0.11
155.083	0.00	0.01	0.002	0					0.11
155.167	0.00	0.01	0.002	0					0.11
155.250	0.00	0.01	0.002	0					0.11
155.333	0.00	0.01	0.002	0					0.11
155.417	0.00	0.01	0.002	0					0.10
155.500	0.00	0.01	0.002	0					0.10
155.583	0.00	0.01	0.002	0					0.10
155.667	0.00	0.01	0.002	0					0.10
155.750	0.00	0.01	0.002	0					0.10
155.833	0.00	0.01	0.002	0					0.10
155.917	0.00	0.01	0.002	0					0.10
156.000	0.00	0.01	0.002	0					0.10

156.083	0.00	0.01	0.002	0					0.09
156.167	0.00	0.01	0.002	0					0.09
156.250	0.00	0.01	0.002	0					0.09
156.333	0.00	0.01	0.002	0					0.09
156.417	0.00	0.01	0.002	0					0.09
156.500	0.00	0.01	0.002	0					0.09
156.583	0.00	0.01	0.002	0					0.08
156.667	0.00	0.00	0.002	0					0.08
156.750	0.00	0.00	0.002	0					0.08
156.833	0.00	0.00	0.002	0					0.08
156.917	0.00	0.00	0.002	0					0.08
157.000	0.00	0.00	0.002	0					0.08
157.083	0.00	0.00	0.001	0					0.07
157.167	0.00	0.00	0.001	0					0.07
157.250	0.00	0.00	0.001	0					0.07
157.333	0.00	0.00	0.001	0					0.07
157.417	0.00	0.00	0.001	0					0.07
157.500	0.00	0.00	0.001	0					0.07
157.583	0.00	0.00	0.001	0					0.07
157.667	0.00	0.00	0.001	0					0.06
157.750	0.00	0.00	0.001	0					0.06
157.833	0.00	0.00	0.001	0					0.06
157.917	0.00	0.00	0.001	0					0.06
158.000	0.00	0.00	0.001	0					0.06
158.083	0.00	0.00	0.001	0					0.06
158.167	0.00	0.00	0.001	0					0.06
158.250	0.00	0.00	0.001	0					0.06
158.333	0.00	0.00	0.001	0					0.05
158.417	0.00	0.00	0.001	0					0.05
158.500	0.00	0.00	0.001	0					0.05
158.583	0.00	0.00	0.001	0					0.05
158.667	0.00	0.00	0.001	0					0.05
158.750	0.00	0.00	0.001	0					0.05
158.833	0.00	0.00	0.001	0					0.05
158.917	0.00	0.00	0.001	0					0.05
159.000	0.00	0.00	0.001	0					0.05
159.083	0.00	0.00	0.001	0					0.05
159.167	0.00	0.00	0.001	0					0.04
159.250	0.00	0.00	0.001	0					0.04
159.333	0.00	0.00	0.001	0					0.04
159.417	0.00	0.00	0.001	0					0.04
159.500	0.00	0.00	0.001	0					0.04
159.583	0.00	0.00	0.001	0					0.04
159.667	0.00	0.00	0.001	0					0.04
159.750	0.00	0.00	0.001	0					0.04
159.833	0.00	0.00	0.001	0					0.04
159.917	0.00	0.00	0.001	0					0.04
160.000	0.00	0.00	0.001	0					0.04
160.083	0.00	0.00	0.001	0					0.04
160.167	0.00	0.00	0.001	0					0.03

160.250	0.00	0.00	0.001	0					0.03
160.333	0.00	0.00	0.001	0					0.03
160.417	0.00	0.00	0.001	0					0.03
160.500	0.00	0.00	0.001	0					0.03
160.583	0.00	0.00	0.001	0					0.03
160.667	0.00	0.00	0.001	0					0.03
160.750	0.00	0.00	0.001	0					0.03
160.833	0.00	0.00	0.001	0					0.03
160.917	0.00	0.00	0.001	0					0.03
161.000	0.00	0.00	0.001	0					0.03
161.083	0.00	0.00	0.001	0					0.03
161.167	0.00	0.00	0.001	0					0.03
161.250	0.00	0.00	0.001	0					0.03
161.333	0.00	0.00	0.001	0					0.03
161.417	0.00	0.00	0.001	0					0.03
161.500	0.00	0.00	0.000	0					0.02
161.583	0.00	0.00	0.000	0					0.02
161.667	0.00	0.00	0.000	0					0.02
161.750	0.00	0.00	0.000	0					0.02
161.833	0.00	0.00	0.000	0					0.02
161.917	0.00	0.00	0.000	0					0.02
162.000	0.00	0.00	0.000	0					0.02
162.083	0.00	0.00	0.000	0					0.02
162.167	0.00	0.00	0.000	0					0.02
162.250	0.00	0.00	0.000	0					0.02
162.333	0.00	0.00	0.000	0					0.02
162.417	0.00	0.00	0.000	0					0.02
162.500	0.00	0.00	0.000	0					0.02
162.583	0.00	0.00	0.000	0					0.02
162.667	0.00	0.00	0.000	0					0.02
162.750	0.00	0.00	0.000	0					0.02
162.833	0.00	0.00	0.000	0					0.02
162.917	0.00	0.00	0.000	0					0.02
163.000	0.00	0.00	0.000	0					0.02
163.083	0.00	0.00	0.000	0					0.02
163.167	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1958

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.437 (CFS)

Total volume = 0.582 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
10 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da2610.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.029 (CFS)
Total volume = 0.351 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.51	2.27	3.03	Depth (Ft.)
0.083	0.13	0.00	0.000	OI					0.02
0.167	0.25	0.01	0.002	O I					0.09
0.250	0.29	0.01	0.004	O I					0.13
0.333	0.29	0.01	0.005	O I					0.17
0.417	0.29	0.01	0.007	O I					0.20
0.500	0.31	0.01	0.009	O I					0.24
0.583	0.33	0.01	0.012	O I					0.28
0.667	0.34	0.01	0.014	O I					0.33
0.750	0.34	0.01	0.016	O I					0.37
0.833	0.34	0.01	0.018	O I					0.41
0.917	0.34	0.01	0.020	O I					0.45
1.000	0.36	0.02	0.023	O I					0.50
1.083	0.38	0.02	0.025	O I					0.55
1.167	0.38	0.02	0.028	O I					0.59
1.250	0.38	0.02	0.030	O I					0.64
1.333	0.38	0.02	0.033	O I					0.69
1.417	0.38	0.02	0.035	O I					0.74
1.500	0.38	0.02	0.038	O I					0.79
1.583	0.38	0.02	0.040	O I					0.83
1.667	0.38	0.03	0.043	O I					0.88
1.750	0.38	0.03	0.045	O I					0.93
1.833	0.38	0.03	0.048	O I					0.98

1.917	0.38	0.03	0.050	0	I						1.01
2.000	0.41	0.03	0.053	0	I						1.05
2.083	0.40	0.03	0.055	0	I						1.08
2.167	0.41	0.03	0.058	0	I						1.11
2.250	0.43	0.03	0.061	0	I						1.15
2.333	0.43	0.03	0.063	0	I						1.18
2.417	0.43	0.03	0.066	0	I						1.21
2.500	0.43	0.03	0.069	0	I						1.25
2.583	0.43	0.03	0.072	0	I						1.28
2.667	0.43	0.03	0.074	0	I						1.32
2.750	0.46	0.03	0.077	0	I						1.35
2.833	0.48	0.03	0.080	0	I						1.39
2.917	0.48	0.03	0.083	0	I						1.43
3.000	0.48	0.03	0.086	0	I						1.47
3.083	0.48	0.03	0.090	0	I						1.51
3.167	0.51	0.03	0.093	0	I						1.55
3.250	0.53	0.03	0.096	0	I						1.59
3.333	0.53	0.03	0.099	0	I						1.63
3.417	0.56	0.04	0.103	0	I						1.67
3.500	0.60	0.04	0.107	0	I						1.72
3.583	0.65	0.04	0.111	0	I						1.77
3.667	0.67	0.04	0.115	0	I						1.83
3.750	0.70	0.04	0.119	0	I						1.88
3.833	0.72	0.04	0.124	0	I						1.94
3.917	0.75	0.04	0.129	0	I						2.00
4.000	0.77	0.04	0.134	0	I						2.05
4.083	0.80	0.04	0.139	0	I						2.10
4.167	0.84	0.04	0.144	0	I						2.16
4.250	0.89	0.04	0.150	0	I						2.22
4.333	0.95	0.04	0.156	0	I						2.28
4.417	1.01	0.04	0.162	0	I						2.35
4.500	1.04	0.04	0.169	0	I						2.42
4.583	1.08	0.04	0.176	0	I						2.50
4.667	1.14	0.04	0.184	0	I						2.57
4.750	1.20	0.04	0.191	0	I						2.66
4.833	1.23	0.05	0.199	0	I						2.74
4.917	1.27	0.05	0.208	0	I						2.83
5.000	1.33	0.05	0.216	0	I						2.92
5.083	1.54	0.05	0.226	0	I						3.02
5.167	1.85	0.05	0.237	0	I						3.13
5.250	2.10	0.05	0.250	0	I						3.27
5.333	2.31	0.05	0.265	0	I						3.42
5.417	2.57	0.05	0.282	0	I						3.59
5.500	3.03	0.05	0.301	0	I						3.78
5.583	1.96	0.06	0.317	0	I						3.95
5.667	0.82	0.06	0.327	0	I						4.05
5.750	0.39	0.06	0.330	0	I						4.09
5.833	0.27	0.06	0.332	0	I						4.11
5.917	0.19	0.06	0.334	0	I						4.12
6.000	0.12	0.06	0.334	0	I						4.12

6.083	0.05	0.06	0.334	0					4.13
6.167	0.01	0.06	0.334	0					4.12
6.250	0.00	0.06	0.334	0					4.12
6.333	0.00	0.06	0.333	0					4.12
6.417	0.00	0.06	0.333	0					4.11
6.500	0.00	0.06	0.333	0					4.11
6.583	0.00	0.06	0.332	0					4.10
6.667	0.00	0.06	0.332	0					4.10
6.750	0.00	0.06	0.331	0					4.10
6.833	0.00	0.06	0.331	0					4.09
6.917	0.00	0.06	0.331	0					4.09
7.000	0.00	0.06	0.330	0					4.08
7.083	0.00	0.06	0.330	0					4.08
7.167	0.00	0.06	0.330	0					4.08
7.250	0.00	0.06	0.329	0					4.07
7.333	0.00	0.06	0.329	0					4.07
7.417	0.00	0.06	0.328	0					4.07
7.500	0.00	0.06	0.328	0					4.06
7.583	0.00	0.06	0.328	0					4.06
7.667	0.00	0.06	0.327	0					4.05
7.750	0.00	0.06	0.327	0					4.05
7.833	0.00	0.06	0.326	0					4.05
7.917	0.00	0.06	0.326	0					4.04
8.000	0.00	0.06	0.326	0					4.04
8.083	0.00	0.06	0.325	0					4.03
8.167	0.00	0.06	0.325	0					4.03
8.250	0.00	0.06	0.324	0					4.03
8.333	0.00	0.06	0.324	0					4.02
8.417	0.00	0.06	0.324	0					4.02
8.500	0.00	0.06	0.323	0					4.01
8.583	0.00	0.06	0.323	0					4.01
8.667	0.00	0.06	0.323	0					4.01
8.750	0.00	0.06	0.322	0					4.00
8.833	0.00	0.06	0.322	0					4.00
8.917	0.00	0.06	0.321	0					3.99
9.000	0.00	0.06	0.321	0					3.99
9.083	0.00	0.06	0.321	0					3.99
9.167	0.00	0.06	0.320	0					3.98
9.250	0.00	0.06	0.320	0					3.98
9.333	0.00	0.06	0.319	0					3.97
9.417	0.00	0.06	0.319	0					3.97
9.500	0.00	0.06	0.319	0					3.97
9.583	0.00	0.06	0.318	0					3.96
9.667	0.00	0.06	0.318	0					3.96
9.750	0.00	0.06	0.318	0					3.95
9.833	0.00	0.06	0.317	0					3.95
9.917	0.00	0.06	0.317	0					3.95
10.000	0.00	0.06	0.316	0					3.94
10.083	0.00	0.06	0.316	0					3.94
10.167	0.00	0.06	0.316	0					3.94

10.250	0.00	0.06	0.315	0					3.93
10.333	0.00	0.06	0.315	0					3.93
10.417	0.00	0.06	0.315	0					3.92
10.500	0.00	0.06	0.314	0					3.92
10.583	0.00	0.06	0.314	0					3.92
10.667	0.00	0.06	0.313	0					3.91
10.750	0.00	0.06	0.313	0					3.91
10.833	0.00	0.06	0.313	0					3.90
10.917	0.00	0.06	0.312	0					3.90
11.000	0.00	0.06	0.312	0					3.90
11.083	0.00	0.06	0.311	0					3.89
11.167	0.00	0.06	0.311	0					3.89
11.250	0.00	0.06	0.311	0					3.88
11.333	0.00	0.06	0.310	0					3.88
11.417	0.00	0.06	0.310	0					3.88
11.500	0.00	0.05	0.310	0					3.87
11.583	0.00	0.05	0.309	0					3.87
11.667	0.00	0.05	0.309	0					3.87
11.750	0.00	0.05	0.308	0					3.86
11.833	0.00	0.05	0.308	0					3.86
11.917	0.00	0.05	0.308	0					3.85
12.000	0.00	0.05	0.307	0					3.85
12.083	0.00	0.05	0.307	0					3.85
12.167	0.00	0.05	0.307	0					3.84
12.250	0.00	0.05	0.306	0					3.84
12.333	0.00	0.05	0.306	0					3.83
12.417	0.00	0.05	0.305	0					3.83
12.500	0.00	0.05	0.305	0					3.83
12.583	0.00	0.05	0.305	0					3.82
12.667	0.00	0.05	0.304	0					3.82
12.750	0.00	0.05	0.304	0					3.82
12.833	0.00	0.05	0.304	0					3.81
12.917	0.00	0.05	0.303	0					3.81
13.000	0.00	0.05	0.303	0					3.80
13.083	0.00	0.05	0.302	0					3.80
13.167	0.00	0.05	0.302	0					3.80
13.250	0.00	0.05	0.302	0					3.79
13.333	0.00	0.05	0.301	0					3.79
13.417	0.00	0.05	0.301	0					3.78
13.500	0.00	0.05	0.301	0					3.78
13.583	0.00	0.05	0.300	0					3.78
13.667	0.00	0.05	0.300	0					3.77
13.750	0.00	0.05	0.299	0					3.77
13.833	0.00	0.05	0.299	0					3.77
13.917	0.00	0.05	0.299	0					3.76
14.000	0.00	0.05	0.298	0					3.76
14.083	0.00	0.05	0.298	0					3.75
14.167	0.00	0.05	0.298	0					3.75
14.250	0.00	0.05	0.297	0					3.75
14.333	0.00	0.05	0.297	0					3.74

14.417	0.00	0.05	0.296	0					3.74
14.500	0.00	0.05	0.296	0					3.74
14.583	0.00	0.05	0.296	0					3.73
14.667	0.00	0.05	0.295	0					3.73
14.750	0.00	0.05	0.295	0					3.72
14.833	0.00	0.05	0.295	0					3.72
14.917	0.00	0.05	0.294	0					3.72
15.000	0.00	0.05	0.294	0					3.71
15.083	0.00	0.05	0.293	0					3.71
15.167	0.00	0.05	0.293	0					3.71
15.250	0.00	0.05	0.293	0					3.70
15.333	0.00	0.05	0.292	0					3.70
15.417	0.00	0.05	0.292	0					3.69
15.500	0.00	0.05	0.292	0					3.69
15.583	0.00	0.05	0.291	0					3.69
15.667	0.00	0.05	0.291	0					3.68
15.750	0.00	0.05	0.291	0					3.68
15.833	0.00	0.05	0.290	0					3.68
15.917	0.00	0.05	0.290	0					3.67
16.000	0.00	0.05	0.289	0					3.67
16.083	0.00	0.05	0.289	0					3.66
16.167	0.00	0.05	0.289	0					3.66
16.250	0.00	0.05	0.288	0					3.66
16.333	0.00	0.05	0.288	0					3.65
16.417	0.00	0.05	0.288	0					3.65
16.500	0.00	0.05	0.287	0					3.65
16.583	0.00	0.05	0.287	0					3.64
16.667	0.00	0.05	0.286	0					3.64
16.750	0.00	0.05	0.286	0					3.63
16.833	0.00	0.05	0.286	0					3.63
16.917	0.00	0.05	0.285	0					3.63
17.000	0.00	0.05	0.285	0					3.62
17.083	0.00	0.05	0.285	0					3.62
17.167	0.00	0.05	0.284	0					3.62
17.250	0.00	0.05	0.284	0					3.61
17.333	0.00	0.05	0.284	0					3.61
17.417	0.00	0.05	0.283	0					3.60
17.500	0.00	0.05	0.283	0					3.60
17.583	0.00	0.05	0.282	0					3.60
17.667	0.00	0.05	0.282	0					3.59
17.750	0.00	0.05	0.282	0					3.59
17.833	0.00	0.05	0.281	0					3.59
17.917	0.00	0.05	0.281	0					3.58
18.000	0.00	0.05	0.281	0					3.58
18.083	0.00	0.05	0.280	0					3.57
18.167	0.00	0.05	0.280	0					3.57
18.250	0.00	0.05	0.280	0					3.57
18.333	0.00	0.05	0.279	0					3.56
18.417	0.00	0.05	0.279	0					3.56
18.500	0.00	0.05	0.278	0					3.56

18.583	0.00	0.05	0.278	0					3.55
18.667	0.00	0.05	0.278	0					3.55
18.750	0.00	0.05	0.277	0					3.54
18.833	0.00	0.05	0.277	0					3.54
18.917	0.00	0.05	0.277	0					3.54
19.000	0.00	0.05	0.276	0					3.53
19.083	0.00	0.05	0.276	0					3.53
19.167	0.00	0.05	0.276	0					3.53
19.250	0.00	0.05	0.275	0					3.52
19.333	0.00	0.05	0.275	0					3.52
19.417	0.00	0.05	0.275	0					3.52
19.500	0.00	0.05	0.274	0					3.51
19.583	0.00	0.05	0.274	0					3.51
19.667	0.00	0.05	0.273	0					3.50
19.750	0.00	0.05	0.273	0					3.50
19.833	0.00	0.05	0.273	0					3.50
19.917	0.00	0.05	0.272	0					3.49
20.000	0.00	0.05	0.272	0					3.49
20.083	0.00	0.05	0.272	0					3.49
20.167	0.00	0.05	0.271	0					3.48
20.250	0.00	0.05	0.271	0					3.48
20.333	0.00	0.05	0.271	0					3.48
20.417	0.00	0.05	0.270	0					3.47
20.500	0.00	0.05	0.270	0					3.47
20.583	0.00	0.05	0.270	0					3.46
20.667	0.00	0.05	0.269	0					3.46
20.750	0.00	0.05	0.269	0					3.46
20.833	0.00	0.05	0.268	0					3.45
20.917	0.00	0.05	0.268	0					3.45
21.000	0.00	0.05	0.268	0					3.45
21.083	0.00	0.05	0.267	0					3.44
21.167	0.00	0.05	0.267	0					3.44
21.250	0.00	0.05	0.267	0					3.44
21.333	0.00	0.05	0.266	0					3.43
21.417	0.00	0.05	0.266	0					3.43
21.500	0.00	0.05	0.266	0					3.42
21.583	0.00	0.05	0.265	0					3.42
21.667	0.00	0.05	0.265	0					3.42
21.750	0.00	0.05	0.265	0					3.41
21.833	0.00	0.05	0.264	0					3.41
21.917	0.00	0.05	0.264	0					3.41
22.000	0.00	0.05	0.263	0					3.40
22.083	0.00	0.05	0.263	0					3.40
22.167	0.00	0.05	0.263	0					3.40
22.250	0.00	0.05	0.262	0					3.39
22.333	0.00	0.05	0.262	0					3.39
22.417	0.00	0.05	0.262	0					3.39
22.500	0.00	0.05	0.261	0					3.38
22.583	0.00	0.05	0.261	0					3.38
22.667	0.00	0.05	0.261	0					3.37

22.750	0.00	0.05	0.260	0					3.37
22.833	0.00	0.05	0.260	0					3.37
22.917	0.00	0.05	0.260	0					3.36
23.000	0.00	0.05	0.259	0					3.36
23.083	0.00	0.05	0.259	0					3.36
23.167	0.00	0.05	0.259	0					3.35
23.250	0.00	0.05	0.258	0					3.35
23.333	0.00	0.05	0.258	0					3.35
23.417	0.00	0.05	0.258	0					3.34
23.500	0.00	0.05	0.257	0					3.34
23.583	0.00	0.05	0.257	0					3.34
23.667	0.00	0.05	0.256	0					3.33
23.750	0.00	0.05	0.256	0					3.33
23.833	0.00	0.05	0.256	0					3.32
23.917	0.00	0.05	0.255	0					3.32
24.000	0.00	0.05	0.255	0					3.32
24.083	0.00	0.05	0.255	0					3.31
24.167	0.00	0.05	0.254	0					3.31
24.250	0.00	0.05	0.254	0					3.31
24.333	0.00	0.05	0.254	0					3.30
24.417	0.00	0.05	0.253	0					3.30
24.500	0.00	0.05	0.253	0					3.30
24.583	0.00	0.05	0.253	0					3.29
24.667	0.00	0.05	0.252	0					3.29
24.750	0.00	0.05	0.252	0					3.29
24.833	0.00	0.05	0.252	0					3.28
24.917	0.00	0.05	0.251	0					3.28
25.000	0.00	0.05	0.251	0					3.27
25.083	0.00	0.05	0.251	0					3.27
25.167	0.00	0.05	0.250	0					3.27
25.250	0.00	0.05	0.250	0					3.26
25.333	0.00	0.05	0.250	0					3.26
25.417	0.00	0.05	0.249	0					3.26
25.500	0.00	0.05	0.249	0					3.25
25.583	0.00	0.05	0.249	0					3.25
25.667	0.00	0.05	0.248	0					3.25
25.750	0.00	0.05	0.248	0					3.24
25.833	0.00	0.05	0.247	0					3.24
25.917	0.00	0.05	0.247	0					3.24
26.000	0.00	0.05	0.247	0					3.23
26.083	0.00	0.05	0.246	0					3.23
26.167	0.00	0.05	0.246	0					3.23
26.250	0.00	0.05	0.246	0					3.22
26.333	0.00	0.05	0.245	0					3.22
26.417	0.00	0.05	0.245	0					3.22
26.500	0.00	0.05	0.245	0					3.21
26.583	0.00	0.05	0.244	0					3.21
26.667	0.00	0.05	0.244	0					3.20
26.750	0.00	0.05	0.244	0					3.20
26.833	0.00	0.05	0.243	0					3.20

26.917	0.00	0.05	0.243	0					3.19
27.000	0.00	0.05	0.243	0					3.19
27.083	0.00	0.05	0.242	0					3.19
27.167	0.00	0.05	0.242	0					3.18
27.250	0.00	0.05	0.242	0					3.18
27.333	0.00	0.05	0.241	0					3.18
27.417	0.00	0.05	0.241	0					3.17
27.500	0.00	0.05	0.241	0					3.17
27.583	0.00	0.05	0.240	0					3.17
27.667	0.00	0.05	0.240	0					3.16
27.750	0.00	0.05	0.240	0					3.16
27.833	0.00	0.05	0.239	0					3.16
27.917	0.00	0.05	0.239	0					3.15
28.000	0.00	0.05	0.239	0					3.15
28.083	0.00	0.05	0.238	0					3.15
28.167	0.00	0.05	0.238	0					3.14
28.250	0.00	0.05	0.238	0					3.14
28.333	0.00	0.05	0.237	0					3.14
28.417	0.00	0.05	0.237	0					3.13
28.500	0.00	0.05	0.237	0					3.13
28.583	0.00	0.05	0.236	0					3.12
28.667	0.00	0.05	0.236	0					3.12
28.750	0.00	0.05	0.236	0					3.12
28.833	0.00	0.05	0.235	0					3.11
28.917	0.00	0.05	0.235	0					3.11
29.000	0.00	0.05	0.235	0					3.11
29.083	0.00	0.05	0.234	0					3.10
29.167	0.00	0.05	0.234	0					3.10
29.250	0.00	0.05	0.234	0					3.10
29.333	0.00	0.05	0.233	0					3.09
29.417	0.00	0.05	0.233	0					3.09
29.500	0.00	0.05	0.233	0					3.09
29.583	0.00	0.05	0.232	0					3.08
29.667	0.00	0.05	0.232	0					3.08
29.750	0.00	0.05	0.232	0					3.08
29.833	0.00	0.05	0.231	0					3.07
29.917	0.00	0.05	0.231	0					3.07
30.000	0.00	0.05	0.231	0					3.07
30.083	0.00	0.05	0.230	0					3.06
30.167	0.00	0.05	0.230	0					3.06
30.250	0.00	0.05	0.230	0					3.06
30.333	0.00	0.05	0.229	0					3.05
30.417	0.00	0.05	0.229	0					3.05
30.500	0.00	0.05	0.229	0					3.05
30.583	0.00	0.05	0.228	0					3.04
30.667	0.00	0.05	0.228	0					3.04
30.750	0.00	0.05	0.228	0					3.04
30.833	0.00	0.05	0.227	0					3.03
30.917	0.00	0.05	0.227	0					3.03
31.000	0.00	0.05	0.227	0					3.03

31.083	0.00	0.05	0.226	0					3.02
31.167	0.00	0.05	0.226	0					3.02
31.250	0.00	0.05	0.226	0					3.02
31.333	0.00	0.05	0.225	0					3.01
31.417	0.00	0.05	0.225	0					3.01
31.500	0.00	0.05	0.225	0					3.01
31.583	0.00	0.05	0.224	0					3.00
31.667	0.00	0.05	0.224	0					3.00
31.750	0.00	0.05	0.224	0					3.00
31.833	0.00	0.05	0.223	0					2.99
31.917	0.00	0.05	0.223	0					2.99
32.000	0.00	0.05	0.223	0					2.98
32.083	0.00	0.05	0.222	0					2.98
32.167	0.00	0.05	0.222	0					2.98
32.250	0.00	0.05	0.222	0					2.97
32.333	0.00	0.05	0.221	0					2.97
32.417	0.00	0.05	0.221	0					2.97
32.500	0.00	0.05	0.221	0					2.96
32.583	0.00	0.05	0.220	0					2.96
32.667	0.00	0.05	0.220	0					2.96
32.750	0.00	0.05	0.220	0					2.95
32.833	0.00	0.05	0.219	0					2.95
32.917	0.00	0.05	0.219	0					2.95
33.000	0.00	0.05	0.219	0					2.94
33.083	0.00	0.05	0.218	0					2.94
33.167	0.00	0.05	0.218	0					2.94
33.250	0.00	0.05	0.218	0					2.93
33.333	0.00	0.05	0.217	0					2.93
33.417	0.00	0.05	0.217	0					2.93
33.500	0.00	0.05	0.217	0					2.92
33.583	0.00	0.05	0.216	0					2.92
33.667	0.00	0.05	0.216	0					2.92
33.750	0.00	0.05	0.216	0					2.91
33.833	0.00	0.05	0.215	0					2.91
33.917	0.00	0.05	0.215	0					2.91
34.000	0.00	0.05	0.215	0					2.90
34.083	0.00	0.05	0.214	0					2.90
34.167	0.00	0.05	0.214	0					2.90
34.250	0.00	0.05	0.214	0					2.89
34.333	0.00	0.05	0.213	0					2.89
34.417	0.00	0.05	0.213	0					2.89
34.500	0.00	0.05	0.213	0					2.88
34.583	0.00	0.05	0.212	0					2.88
34.667	0.00	0.05	0.212	0					2.87
34.750	0.00	0.05	0.212	0					2.87
34.833	0.00	0.05	0.211	0					2.87
34.917	0.00	0.05	0.211	0					2.86
35.000	0.00	0.05	0.211	0					2.86
35.083	0.00	0.05	0.211	0					2.86
35.167	0.00	0.05	0.210	0					2.85

35.250	0.00	0.05	0.210	0					2.85
35.333	0.00	0.05	0.210	0					2.85
35.417	0.00	0.05	0.209	0					2.84
35.500	0.00	0.05	0.209	0					2.84
35.583	0.00	0.05	0.209	0					2.84
35.667	0.00	0.05	0.208	0					2.83
35.750	0.00	0.05	0.208	0					2.83
35.833	0.00	0.05	0.208	0					2.83
35.917	0.00	0.05	0.207	0					2.82
36.000	0.00	0.05	0.207	0					2.82
36.083	0.00	0.05	0.207	0					2.82
36.167	0.00	0.05	0.206	0					2.81
36.250	0.00	0.05	0.206	0					2.81
36.333	0.00	0.05	0.206	0					2.81
36.417	0.00	0.05	0.205	0					2.80
36.500	0.00	0.05	0.205	0					2.80
36.583	0.00	0.05	0.205	0					2.80
36.667	0.00	0.05	0.204	0					2.79
36.750	0.00	0.05	0.204	0					2.79
36.833	0.00	0.05	0.204	0					2.79
36.917	0.00	0.05	0.203	0					2.78
37.000	0.00	0.05	0.203	0					2.78
37.083	0.00	0.05	0.203	0					2.78
37.167	0.00	0.05	0.203	0					2.77
37.250	0.00	0.05	0.202	0					2.77
37.333	0.00	0.05	0.202	0					2.77
37.417	0.00	0.05	0.202	0					2.76
37.500	0.00	0.05	0.201	0					2.76
37.583	0.00	0.05	0.201	0					2.76
37.667	0.00	0.05	0.201	0					2.75
37.750	0.00	0.05	0.200	0					2.75
37.833	0.00	0.05	0.200	0					2.75
37.917	0.00	0.05	0.200	0					2.74
38.000	0.00	0.05	0.199	0					2.74
38.083	0.00	0.05	0.199	0					2.74
38.167	0.00	0.05	0.199	0					2.73
38.250	0.00	0.05	0.198	0					2.73
38.333	0.00	0.05	0.198	0					2.73
38.417	0.00	0.05	0.198	0					2.72
38.500	0.00	0.05	0.197	0					2.72
38.583	0.00	0.05	0.197	0					2.72
38.667	0.00	0.05	0.197	0					2.71
38.750	0.00	0.05	0.197	0					2.71
38.833	0.00	0.05	0.196	0					2.71
38.917	0.00	0.05	0.196	0					2.70
39.000	0.00	0.05	0.196	0					2.70
39.083	0.00	0.05	0.195	0					2.70
39.167	0.00	0.05	0.195	0					2.69
39.250	0.00	0.05	0.195	0					2.69
39.333	0.00	0.05	0.194	0					2.69

39.417	0.00	0.05	0.194	0					2.68
39.500	0.00	0.05	0.194	0					2.68
39.583	0.00	0.05	0.193	0					2.68
39.667	0.00	0.05	0.193	0					2.68
39.750	0.00	0.05	0.193	0					2.67
39.833	0.00	0.05	0.193	0					2.67
39.917	0.00	0.04	0.192	0					2.67
40.000	0.00	0.04	0.192	0					2.66
40.083	0.00	0.04	0.192	0					2.66
40.167	0.00	0.04	0.191	0					2.66
40.250	0.00	0.04	0.191	0					2.65
40.333	0.00	0.04	0.191	0					2.65
40.417	0.00	0.04	0.190	0					2.65
40.500	0.00	0.04	0.190	0					2.64
40.583	0.00	0.04	0.190	0					2.64
40.667	0.00	0.04	0.189	0					2.64
40.750	0.00	0.04	0.189	0					2.63
40.833	0.00	0.04	0.189	0					2.63
40.917	0.00	0.04	0.188	0					2.63
41.000	0.00	0.04	0.188	0					2.62
41.083	0.00	0.04	0.188	0					2.62
41.167	0.00	0.04	0.188	0					2.62
41.250	0.00	0.04	0.187	0					2.61
41.333	0.00	0.04	0.187	0					2.61
41.417	0.00	0.04	0.187	0					2.61
41.500	0.00	0.04	0.186	0					2.60
41.583	0.00	0.04	0.186	0					2.60
41.667	0.00	0.04	0.186	0					2.60
41.750	0.00	0.04	0.185	0					2.59
41.833	0.00	0.04	0.185	0					2.59
41.917	0.00	0.04	0.185	0					2.59
42.000	0.00	0.04	0.185	0					2.58
42.083	0.00	0.04	0.184	0					2.58
42.167	0.00	0.04	0.184	0					2.58
42.250	0.00	0.04	0.184	0					2.57
42.333	0.00	0.04	0.183	0					2.57
42.417	0.00	0.04	0.183	0					2.57
42.500	0.00	0.04	0.183	0					2.57
42.583	0.00	0.04	0.182	0					2.56
42.667	0.00	0.04	0.182	0					2.56
42.750	0.00	0.04	0.182	0					2.56
42.833	0.00	0.04	0.181	0					2.55
42.917	0.00	0.04	0.181	0					2.55
43.000	0.00	0.04	0.181	0					2.55
43.083	0.00	0.04	0.181	0					2.54
43.167	0.00	0.04	0.180	0					2.54
43.250	0.00	0.04	0.180	0					2.54
43.333	0.00	0.04	0.180	0					2.53
43.417	0.00	0.04	0.179	0					2.53
43.500	0.00	0.04	0.179	0					2.53

43.583	0.00	0.04	0.179	0					2.52
43.667	0.00	0.04	0.178	0					2.52
43.750	0.00	0.04	0.178	0					2.52
43.833	0.00	0.04	0.178	0					2.51
43.917	0.00	0.04	0.178	0					2.51
44.000	0.00	0.04	0.177	0					2.51
44.083	0.00	0.04	0.177	0					2.50
44.167	0.00	0.04	0.177	0					2.50
44.250	0.00	0.04	0.176	0					2.50
44.333	0.00	0.04	0.176	0					2.50
44.417	0.00	0.04	0.176	0					2.49
44.500	0.00	0.04	0.175	0					2.49
44.583	0.00	0.04	0.175	0					2.49
44.667	0.00	0.04	0.175	0					2.48
44.750	0.00	0.04	0.175	0					2.48
44.833	0.00	0.04	0.174	0					2.48
44.917	0.00	0.04	0.174	0					2.47
45.000	0.00	0.04	0.174	0					2.47
45.083	0.00	0.04	0.173	0					2.47
45.167	0.00	0.04	0.173	0					2.46
45.250	0.00	0.04	0.173	0					2.46
45.333	0.00	0.04	0.172	0					2.46
45.417	0.00	0.04	0.172	0					2.45
45.500	0.00	0.04	0.172	0					2.45
45.583	0.00	0.04	0.172	0					2.45
45.667	0.00	0.04	0.171	0					2.45
45.750	0.00	0.04	0.171	0					2.44
45.833	0.00	0.04	0.171	0					2.44
45.917	0.00	0.04	0.170	0					2.44
46.000	0.00	0.04	0.170	0					2.43
46.083	0.00	0.04	0.170	0					2.43
46.167	0.00	0.04	0.170	0					2.43
46.250	0.00	0.04	0.169	0					2.42
46.333	0.00	0.04	0.169	0					2.42
46.417	0.00	0.04	0.169	0					2.42
46.500	0.00	0.04	0.168	0					2.41
46.583	0.00	0.04	0.168	0					2.41
46.667	0.00	0.04	0.168	0					2.41
46.750	0.00	0.04	0.167	0					2.40
46.833	0.00	0.04	0.167	0					2.40
46.917	0.00	0.04	0.167	0					2.40
47.000	0.00	0.04	0.167	0					2.40
47.083	0.00	0.04	0.166	0					2.39
47.167	0.00	0.04	0.166	0					2.39
47.250	0.00	0.04	0.166	0					2.39
47.333	0.00	0.04	0.165	0					2.38
47.417	0.00	0.04	0.165	0					2.38
47.500	0.00	0.04	0.165	0					2.38
47.583	0.00	0.04	0.165	0					2.37
47.667	0.00	0.04	0.164	0					2.37

47.750	0.00	0.04	0.164	0					2.37
47.833	0.00	0.04	0.164	0					2.36
47.917	0.00	0.04	0.163	0					2.36
48.000	0.00	0.04	0.163	0					2.36
48.083	0.00	0.04	0.163	0					2.36
48.167	0.00	0.04	0.162	0					2.35
48.250	0.00	0.04	0.162	0					2.35
48.333	0.00	0.04	0.162	0					2.35
48.417	0.00	0.04	0.162	0					2.34
48.500	0.00	0.04	0.161	0					2.34
48.583	0.00	0.04	0.161	0					2.34
48.667	0.00	0.04	0.161	0					2.33
48.750	0.00	0.04	0.160	0					2.33
48.833	0.00	0.04	0.160	0					2.33
48.917	0.00	0.04	0.160	0					2.33
49.000	0.00	0.04	0.160	0					2.32
49.083	0.00	0.04	0.159	0					2.32
49.167	0.00	0.04	0.159	0					2.32
49.250	0.00	0.04	0.159	0					2.31
49.333	0.00	0.04	0.158	0					2.31
49.417	0.00	0.04	0.158	0					2.31
49.500	0.00	0.04	0.158	0					2.30
49.583	0.00	0.04	0.158	0					2.30
49.667	0.00	0.04	0.157	0					2.30
49.750	0.00	0.04	0.157	0					2.29
49.833	0.00	0.04	0.157	0					2.29
49.917	0.00	0.04	0.156	0					2.29
50.000	0.00	0.04	0.156	0					2.29
50.083	0.00	0.04	0.156	0					2.28
50.167	0.00	0.04	0.156	0					2.28
50.250	0.00	0.04	0.155	0					2.28
50.333	0.00	0.04	0.155	0					2.27
50.417	0.00	0.04	0.155	0					2.27
50.500	0.00	0.04	0.154	0					2.27
50.583	0.00	0.04	0.154	0					2.26
50.667	0.00	0.04	0.154	0					2.26
50.750	0.00	0.04	0.154	0					2.26
50.833	0.00	0.04	0.153	0					2.26
50.917	0.00	0.04	0.153	0					2.25
51.000	0.00	0.04	0.153	0					2.25
51.083	0.00	0.04	0.152	0					2.25
51.167	0.00	0.04	0.152	0					2.24
51.250	0.00	0.04	0.152	0					2.24
51.333	0.00	0.04	0.152	0					2.24
51.417	0.00	0.04	0.151	0					2.23
51.500	0.00	0.04	0.151	0					2.23
51.583	0.00	0.04	0.151	0					2.23
51.667	0.00	0.04	0.150	0					2.23
51.750	0.00	0.04	0.150	0					2.22
51.833	0.00	0.04	0.150	0					2.22

51.917	0.00	0.04	0.150	0					2.22
52.000	0.00	0.04	0.149	0					2.21
52.083	0.00	0.04	0.149	0					2.21
52.167	0.00	0.04	0.149	0					2.21
52.250	0.00	0.04	0.148	0					2.21
52.333	0.00	0.04	0.148	0					2.20
52.417	0.00	0.04	0.148	0					2.20
52.500	0.00	0.04	0.148	0					2.20
52.583	0.00	0.04	0.147	0					2.19
52.667	0.00	0.04	0.147	0					2.19
52.750	0.00	0.04	0.147	0					2.19
52.833	0.00	0.04	0.147	0					2.18
52.917	0.00	0.04	0.146	0					2.18
53.000	0.00	0.04	0.146	0					2.18
53.083	0.00	0.04	0.146	0					2.18
53.167	0.00	0.04	0.145	0					2.17
53.250	0.00	0.04	0.145	0					2.17
53.333	0.00	0.04	0.145	0					2.17
53.417	0.00	0.04	0.145	0					2.16
53.500	0.00	0.04	0.144	0					2.16
53.583	0.00	0.04	0.144	0					2.16
53.667	0.00	0.04	0.144	0					2.16
53.750	0.00	0.04	0.143	0					2.15
53.833	0.00	0.04	0.143	0					2.15
53.917	0.00	0.04	0.143	0					2.15
54.000	0.00	0.04	0.143	0					2.14
54.083	0.00	0.04	0.142	0					2.14
54.167	0.00	0.04	0.142	0					2.14
54.250	0.00	0.04	0.142	0					2.13
54.333	0.00	0.04	0.142	0					2.13
54.417	0.00	0.04	0.141	0					2.13
54.500	0.00	0.04	0.141	0					2.13
54.583	0.00	0.04	0.141	0					2.12
54.667	0.00	0.04	0.140	0					2.12
54.750	0.00	0.04	0.140	0					2.12
54.833	0.00	0.04	0.140	0					2.11
54.917	0.00	0.04	0.140	0					2.11
55.000	0.00	0.04	0.139	0					2.11
55.083	0.00	0.04	0.139	0					2.11
55.167	0.00	0.04	0.139	0					2.10
55.250	0.00	0.04	0.138	0					2.10
55.333	0.00	0.04	0.138	0					2.10
55.417	0.00	0.04	0.138	0					2.09
55.500	0.00	0.04	0.138	0					2.09
55.583	0.00	0.04	0.137	0					2.09
55.667	0.00	0.04	0.137	0					2.09
55.750	0.00	0.04	0.137	0					2.08
55.833	0.00	0.04	0.137	0					2.08
55.917	0.00	0.04	0.136	0					2.08
56.000	0.00	0.04	0.136	0					2.07

56.083	0.00	0.04	0.136	0					2.07
56.167	0.00	0.04	0.135	0					2.07
56.250	0.00	0.04	0.135	0					2.07
56.333	0.00	0.04	0.135	0					2.06
56.417	0.00	0.04	0.135	0					2.06
56.500	0.00	0.04	0.134	0					2.06
56.583	0.00	0.04	0.134	0					2.05
56.667	0.00	0.04	0.134	0					2.05
56.750	0.00	0.04	0.134	0					2.05
56.833	0.00	0.04	0.133	0					2.05
56.917	0.00	0.04	0.133	0					2.04
57.000	0.00	0.04	0.133	0					2.04
57.083	0.00	0.04	0.132	0					2.04
57.167	0.00	0.04	0.132	0					2.03
57.250	0.00	0.04	0.132	0					2.03
57.333	0.00	0.04	0.132	0					2.03
57.417	0.00	0.04	0.131	0					2.03
57.500	0.00	0.04	0.131	0					2.02
57.583	0.00	0.04	0.131	0					2.02
57.667	0.00	0.04	0.131	0					2.02
57.750	0.00	0.04	0.130	0					2.01
57.833	0.00	0.04	0.130	0					2.01
57.917	0.00	0.04	0.130	0					2.01
58.000	0.00	0.04	0.130	0					2.01
58.083	0.00	0.04	0.129	0					2.00
58.167	0.00	0.04	0.129	0					2.00
58.250	0.00	0.04	0.129	0					2.00
58.333	0.00	0.04	0.128	0					1.99
58.417	0.00	0.04	0.128	0					1.99
58.500	0.00	0.04	0.128	0					1.99
58.583	0.00	0.04	0.128	0					1.98
58.667	0.00	0.04	0.127	0					1.98
58.750	0.00	0.04	0.127	0					1.98
58.833	0.00	0.04	0.127	0					1.97
58.917	0.00	0.04	0.127	0					1.97
59.000	0.00	0.04	0.126	0					1.97
59.083	0.00	0.04	0.126	0					1.96
59.167	0.00	0.04	0.126	0					1.96
59.250	0.00	0.04	0.125	0					1.96
59.333	0.00	0.04	0.125	0					1.95
59.417	0.00	0.04	0.125	0					1.95
59.500	0.00	0.04	0.125	0					1.95
59.583	0.00	0.04	0.124	0					1.94
59.667	0.00	0.04	0.124	0					1.94
59.750	0.00	0.04	0.124	0					1.94
59.833	0.00	0.04	0.124	0					1.93
59.917	0.00	0.04	0.123	0					1.93
60.000	0.00	0.04	0.123	0					1.93
60.083	0.00	0.04	0.123	0					1.92
60.167	0.00	0.04	0.123	0					1.92

60.250	0.00	0.04	0.122	0					1.92
60.333	0.00	0.04	0.122	0					1.91
60.417	0.00	0.04	0.122	0					1.91
60.500	0.00	0.04	0.122	0					1.91
60.583	0.00	0.04	0.121	0					1.90
60.667	0.00	0.04	0.121	0					1.90
60.750	0.00	0.04	0.121	0					1.90
60.833	0.00	0.04	0.121	0					1.89
60.917	0.00	0.04	0.120	0					1.89
61.000	0.00	0.04	0.120	0					1.89
61.083	0.00	0.04	0.120	0					1.88
61.167	0.00	0.04	0.119	0					1.88
61.250	0.00	0.04	0.119	0					1.88
61.333	0.00	0.04	0.119	0					1.87
61.417	0.00	0.04	0.119	0					1.87
61.500	0.00	0.04	0.118	0					1.87
61.583	0.00	0.04	0.118	0					1.86
61.667	0.00	0.04	0.118	0					1.86
61.750	0.00	0.04	0.118	0					1.86
61.833	0.00	0.04	0.117	0					1.85
61.917	0.00	0.04	0.117	0					1.85
62.000	0.00	0.04	0.117	0					1.85
62.083	0.00	0.04	0.117	0					1.85
62.167	0.00	0.04	0.116	0					1.84
62.250	0.00	0.04	0.116	0					1.84
62.333	0.00	0.04	0.116	0					1.84
62.417	0.00	0.04	0.116	0					1.83
62.500	0.00	0.04	0.115	0					1.83
62.583	0.00	0.04	0.115	0					1.83
62.667	0.00	0.04	0.115	0					1.82
62.750	0.00	0.04	0.115	0					1.82
62.833	0.00	0.04	0.114	0					1.82
62.917	0.00	0.04	0.114	0					1.81
63.000	0.00	0.04	0.114	0					1.81
63.083	0.00	0.04	0.114	0					1.81
63.167	0.00	0.04	0.113	0					1.80
63.250	0.00	0.04	0.113	0					1.80
63.333	0.00	0.04	0.113	0					1.80
63.417	0.00	0.04	0.113	0					1.79
63.500	0.00	0.04	0.112	0					1.79
63.583	0.00	0.04	0.112	0					1.79
63.667	0.00	0.04	0.112	0					1.78
63.750	0.00	0.04	0.112	0					1.78
63.833	0.00	0.04	0.111	0					1.78
63.917	0.00	0.04	0.111	0					1.78
64.000	0.00	0.04	0.111	0					1.77
64.083	0.00	0.04	0.111	0					1.77
64.167	0.00	0.04	0.110	0					1.77
64.250	0.00	0.04	0.110	0					1.76
64.333	0.00	0.04	0.110	0					1.76

64.417	0.00	0.04	0.110	0					1.76
64.500	0.00	0.04	0.109	0					1.75
64.583	0.00	0.04	0.109	0					1.75
64.667	0.00	0.04	0.109	0					1.75
64.750	0.00	0.04	0.109	0					1.74
64.833	0.00	0.04	0.108	0					1.74
64.917	0.00	0.04	0.108	0					1.74
65.000	0.00	0.04	0.108	0					1.73
65.083	0.00	0.04	0.108	0					1.73
65.167	0.00	0.04	0.107	0					1.73
65.250	0.00	0.04	0.107	0					1.73
65.333	0.00	0.04	0.107	0					1.72
65.417	0.00	0.04	0.107	0					1.72
65.500	0.00	0.04	0.106	0					1.72
65.583	0.00	0.04	0.106	0					1.71
65.667	0.00	0.04	0.106	0					1.71
65.750	0.00	0.04	0.106	0					1.71
65.833	0.00	0.04	0.105	0					1.70
65.917	0.00	0.04	0.105	0					1.70
66.000	0.00	0.04	0.105	0					1.70
66.083	0.00	0.04	0.105	0					1.69
66.167	0.00	0.04	0.104	0					1.69
66.250	0.00	0.04	0.104	0					1.69
66.333	0.00	0.04	0.104	0					1.69
66.417	0.00	0.04	0.104	0					1.68
66.500	0.00	0.04	0.103	0					1.68
66.583	0.00	0.04	0.103	0					1.68
66.667	0.00	0.04	0.103	0					1.67
66.750	0.00	0.04	0.103	0					1.67
66.833	0.00	0.04	0.102	0					1.67
66.917	0.00	0.04	0.102	0					1.66
67.000	0.00	0.04	0.102	0					1.66
67.083	0.00	0.04	0.102	0					1.66
67.167	0.00	0.04	0.101	0					1.65
67.250	0.00	0.04	0.101	0					1.65
67.333	0.00	0.04	0.101	0					1.65
67.417	0.00	0.04	0.101	0					1.65
67.500	0.00	0.04	0.100	0					1.64
67.583	0.00	0.04	0.100	0					1.64
67.667	0.00	0.04	0.100	0					1.64
67.750	0.00	0.03	0.100	0					1.63
67.833	0.00	0.03	0.099	0					1.63
67.917	0.00	0.03	0.099	0					1.63
68.000	0.00	0.03	0.099	0					1.62
68.083	0.00	0.03	0.099	0					1.62
68.167	0.00	0.03	0.099	0					1.62
68.250	0.00	0.03	0.098	0					1.62
68.333	0.00	0.03	0.098	0					1.61
68.417	0.00	0.03	0.098	0					1.61
68.500	0.00	0.03	0.098	0					1.61

68.583	0.00	0.03	0.097	0					1.60
68.667	0.00	0.03	0.097	0					1.60
68.750	0.00	0.03	0.097	0					1.60
68.833	0.00	0.03	0.097	0					1.59
68.917	0.00	0.03	0.096	0					1.59
69.000	0.00	0.03	0.096	0					1.59
69.083	0.00	0.03	0.096	0					1.59
69.167	0.00	0.03	0.096	0					1.58
69.250	0.00	0.03	0.095	0					1.58
69.333	0.00	0.03	0.095	0					1.58
69.417	0.00	0.03	0.095	0					1.57
69.500	0.00	0.03	0.095	0					1.57
69.583	0.00	0.03	0.094	0					1.57
69.667	0.00	0.03	0.094	0					1.57
69.750	0.00	0.03	0.094	0					1.56
69.833	0.00	0.03	0.094	0					1.56
69.917	0.00	0.03	0.094	0					1.56
70.000	0.00	0.03	0.093	0					1.55
70.083	0.00	0.03	0.093	0					1.55
70.167	0.00	0.03	0.093	0					1.55
70.250	0.00	0.03	0.093	0					1.54
70.333	0.00	0.03	0.092	0					1.54
70.417	0.00	0.03	0.092	0					1.54
70.500	0.00	0.03	0.092	0					1.54
70.583	0.00	0.03	0.092	0					1.53
70.667	0.00	0.03	0.091	0					1.53
70.750	0.00	0.03	0.091	0					1.53
70.833	0.00	0.03	0.091	0					1.52
70.917	0.00	0.03	0.091	0					1.52
71.000	0.00	0.03	0.090	0					1.52
71.083	0.00	0.03	0.090	0					1.52
71.167	0.00	0.03	0.090	0					1.51
71.250	0.00	0.03	0.090	0					1.51
71.333	0.00	0.03	0.090	0					1.51
71.417	0.00	0.03	0.089	0					1.50
71.500	0.00	0.03	0.089	0					1.50
71.583	0.00	0.03	0.089	0					1.50
71.667	0.00	0.03	0.089	0					1.50
71.750	0.00	0.03	0.088	0					1.49
71.833	0.00	0.03	0.088	0					1.49
71.917	0.00	0.03	0.088	0					1.49
72.000	0.00	0.03	0.088	0					1.48
72.083	0.00	0.03	0.087	0					1.48
72.167	0.00	0.03	0.087	0					1.48
72.250	0.00	0.03	0.087	0					1.48
72.333	0.00	0.03	0.087	0					1.47
72.417	0.00	0.03	0.087	0					1.47
72.500	0.00	0.03	0.086	0					1.47
72.583	0.00	0.03	0.086	0					1.46
72.667	0.00	0.03	0.086	0					1.46

72.750	0.00	0.03	0.086	0					1.46
72.833	0.00	0.03	0.085	0					1.46
72.917	0.00	0.03	0.085	0					1.45
73.000	0.00	0.03	0.085	0					1.45
73.083	0.00	0.03	0.085	0					1.45
73.167	0.00	0.03	0.085	0					1.44
73.250	0.00	0.03	0.084	0					1.44
73.333	0.00	0.03	0.084	0					1.44
73.417	0.00	0.03	0.084	0					1.44
73.500	0.00	0.03	0.084	0					1.43
73.583	0.00	0.03	0.083	0					1.43
73.667	0.00	0.03	0.083	0					1.43
73.750	0.00	0.03	0.083	0					1.42
73.833	0.00	0.03	0.083	0					1.42
73.917	0.00	0.03	0.082	0					1.42
74.000	0.00	0.03	0.082	0					1.42
74.083	0.00	0.03	0.082	0					1.41
74.167	0.00	0.03	0.082	0					1.41
74.250	0.00	0.03	0.082	0					1.41
74.333	0.00	0.03	0.081	0					1.40
74.417	0.00	0.03	0.081	0					1.40
74.500	0.00	0.03	0.081	0					1.40
74.583	0.00	0.03	0.081	0					1.40
74.667	0.00	0.03	0.080	0					1.39
74.750	0.00	0.03	0.080	0					1.39
74.833	0.00	0.03	0.080	0					1.39
74.917	0.00	0.03	0.080	0					1.39
75.000	0.00	0.03	0.080	0					1.38
75.083	0.00	0.03	0.079	0					1.38
75.167	0.00	0.03	0.079	0					1.38
75.250	0.00	0.03	0.079	0					1.37
75.333	0.00	0.03	0.079	0					1.37
75.417	0.00	0.03	0.078	0					1.37
75.500	0.00	0.03	0.078	0					1.37
75.583	0.00	0.03	0.078	0					1.36
75.667	0.00	0.03	0.078	0					1.36
75.750	0.00	0.03	0.078	0					1.36
75.833	0.00	0.03	0.077	0					1.35
75.917	0.00	0.03	0.077	0					1.35
76.000	0.00	0.03	0.077	0					1.35
76.083	0.00	0.03	0.077	0					1.35
76.167	0.00	0.03	0.077	0					1.34
76.250	0.00	0.03	0.076	0					1.34
76.333	0.00	0.03	0.076	0					1.34
76.417	0.00	0.03	0.076	0					1.34
76.500	0.00	0.03	0.076	0					1.33
76.583	0.00	0.03	0.075	0					1.33
76.667	0.00	0.03	0.075	0					1.33
76.750	0.00	0.03	0.075	0					1.32
76.833	0.00	0.03	0.075	0					1.32

76.917	0.00	0.03	0.075	0					1.32
77.000	0.00	0.03	0.074	0					1.32
77.083	0.00	0.03	0.074	0					1.31
77.167	0.00	0.03	0.074	0					1.31
77.250	0.00	0.03	0.074	0					1.31
77.333	0.00	0.03	0.073	0					1.31
77.417	0.00	0.03	0.073	0					1.30
77.500	0.00	0.03	0.073	0					1.30
77.583	0.00	0.03	0.073	0					1.30
77.667	0.00	0.03	0.073	0					1.30
77.750	0.00	0.03	0.072	0					1.29
77.833	0.00	0.03	0.072	0					1.29
77.917	0.00	0.03	0.072	0					1.29
78.000	0.00	0.03	0.072	0					1.28
78.083	0.00	0.03	0.072	0					1.28
78.167	0.00	0.03	0.071	0					1.28
78.250	0.00	0.03	0.071	0					1.28
78.333	0.00	0.03	0.071	0					1.27
78.417	0.00	0.03	0.071	0					1.27
78.500	0.00	0.03	0.070	0					1.27
78.583	0.00	0.03	0.070	0					1.27
78.667	0.00	0.03	0.070	0					1.26
78.750	0.00	0.03	0.070	0					1.26
78.833	0.00	0.03	0.070	0					1.26
78.917	0.00	0.03	0.069	0					1.25
79.000	0.00	0.03	0.069	0					1.25
79.083	0.00	0.03	0.069	0					1.25
79.167	0.00	0.03	0.069	0					1.25
79.250	0.00	0.03	0.069	0					1.24
79.333	0.00	0.03	0.068	0					1.24
79.417	0.00	0.03	0.068	0					1.24
79.500	0.00	0.03	0.068	0					1.24
79.583	0.00	0.03	0.068	0					1.23
79.667	0.00	0.03	0.067	0					1.23
79.750	0.00	0.03	0.067	0					1.23
79.833	0.00	0.03	0.067	0					1.23
79.917	0.00	0.03	0.067	0					1.22
80.000	0.00	0.03	0.067	0					1.22
80.083	0.00	0.03	0.066	0					1.22
80.167	0.00	0.03	0.066	0					1.22
80.250	0.00	0.03	0.066	0					1.21
80.333	0.00	0.03	0.066	0					1.21
80.417	0.00	0.03	0.066	0					1.21
80.500	0.00	0.03	0.065	0					1.21
80.583	0.00	0.03	0.065	0					1.20
80.667	0.00	0.03	0.065	0					1.20
80.750	0.00	0.03	0.065	0					1.20
80.833	0.00	0.03	0.065	0					1.19
80.917	0.00	0.03	0.064	0					1.19
81.000	0.00	0.03	0.064	0					1.19

81.083	0.00	0.03	0.064	0					1.19
81.167	0.00	0.03	0.064	0					1.18
81.250	0.00	0.03	0.064	0					1.18
81.333	0.00	0.03	0.063	0					1.18
81.417	0.00	0.03	0.063	0					1.18
81.500	0.00	0.03	0.063	0					1.17
81.583	0.00	0.03	0.063	0					1.17
81.667	0.00	0.03	0.063	0					1.17
81.750	0.00	0.03	0.062	0					1.17
81.833	0.00	0.03	0.062	0					1.16
81.917	0.00	0.03	0.062	0					1.16
82.000	0.00	0.03	0.062	0					1.16
82.083	0.00	0.03	0.061	0					1.16
82.167	0.00	0.03	0.061	0					1.15
82.250	0.00	0.03	0.061	0					1.15
82.333	0.00	0.03	0.061	0					1.15
82.417	0.00	0.03	0.061	0					1.15
82.500	0.00	0.03	0.060	0					1.14
82.583	0.00	0.03	0.060	0					1.14
82.667	0.00	0.03	0.060	0					1.14
82.750	0.00	0.03	0.060	0					1.14
82.833	0.00	0.03	0.060	0					1.13
82.917	0.00	0.03	0.059	0					1.13
83.000	0.00	0.03	0.059	0					1.13
83.083	0.00	0.03	0.059	0					1.13
83.167	0.00	0.03	0.059	0					1.12
83.250	0.00	0.03	0.059	0					1.12
83.333	0.00	0.03	0.058	0					1.12
83.417	0.00	0.03	0.058	0					1.12
83.500	0.00	0.03	0.058	0					1.11
83.583	0.00	0.03	0.058	0					1.11
83.667	0.00	0.03	0.058	0					1.11
83.750	0.00	0.03	0.057	0					1.11
83.833	0.00	0.03	0.057	0					1.10
83.917	0.00	0.03	0.057	0					1.10
84.000	0.00	0.03	0.057	0					1.10
84.083	0.00	0.03	0.057	0					1.10
84.167	0.00	0.03	0.056	0					1.09
84.250	0.00	0.03	0.056	0					1.09
84.333	0.00	0.03	0.056	0					1.09
84.417	0.00	0.03	0.056	0					1.09
84.500	0.00	0.03	0.056	0					1.08
84.583	0.00	0.03	0.055	0					1.08
84.667	0.00	0.03	0.055	0					1.08
84.750	0.00	0.03	0.055	0					1.08
84.833	0.00	0.03	0.055	0					1.07
84.917	0.00	0.03	0.055	0					1.07
85.000	0.00	0.03	0.054	0					1.07
85.083	0.00	0.03	0.054	0					1.07
85.167	0.00	0.03	0.054	0					1.06

85.250	0.00	0.03	0.054	0					1.06
85.333	0.00	0.03	0.054	0					1.06
85.417	0.00	0.03	0.053	0					1.06
85.500	0.00	0.03	0.053	0					1.05
85.583	0.00	0.03	0.053	0					1.05
85.667	0.00	0.03	0.053	0					1.05
85.750	0.00	0.03	0.053	0					1.05
85.833	0.00	0.03	0.052	0					1.04
85.917	0.00	0.03	0.052	0					1.04
86.000	0.00	0.03	0.052	0					1.04
86.083	0.00	0.03	0.052	0					1.04
86.167	0.00	0.03	0.052	0					1.03
86.250	0.00	0.03	0.051	0					1.03
86.333	0.00	0.03	0.051	0					1.03
86.417	0.00	0.03	0.051	0					1.03
86.500	0.00	0.03	0.051	0					1.02
86.583	0.00	0.03	0.051	0					1.02
86.667	0.00	0.03	0.051	0					1.02
86.750	0.00	0.03	0.050	0					1.02
86.833	0.00	0.03	0.050	0					1.01
86.917	0.00	0.03	0.050	0					1.01
87.000	0.00	0.03	0.050	0					1.01
87.083	0.00	0.03	0.050	0					1.01
87.167	0.00	0.03	0.049	0					1.00
87.250	0.00	0.03	0.049	0					1.00
87.333	0.00	0.03	0.049	0					1.00
87.417	0.00	0.03	0.049	0					1.00
87.500	0.00	0.03	0.049	0					0.99
87.583	0.00	0.03	0.048	0					0.99
87.667	0.00	0.03	0.048	0					0.98
87.750	0.00	0.03	0.048	0					0.98
87.833	0.00	0.03	0.048	0					0.98
87.917	0.00	0.03	0.048	0					0.97
88.000	0.00	0.03	0.047	0					0.97
88.083	0.00	0.03	0.047	0					0.97
88.167	0.00	0.03	0.047	0					0.96
88.250	0.00	0.03	0.047	0					0.96
88.333	0.00	0.03	0.047	0					0.96
88.417	0.00	0.03	0.047	0					0.95
88.500	0.00	0.03	0.046	0					0.95
88.583	0.00	0.03	0.046	0					0.95
88.667	0.00	0.03	0.046	0					0.94
88.750	0.00	0.03	0.046	0					0.94
88.833	0.00	0.03	0.046	0					0.93
88.917	0.00	0.03	0.045	0					0.93
89.000	0.00	0.03	0.045	0					0.93
89.083	0.00	0.03	0.045	0					0.92
89.167	0.00	0.03	0.045	0					0.92
89.250	0.00	0.03	0.045	0					0.92
89.333	0.00	0.03	0.045	0					0.91

89.417	0.00	0.03	0.044	0					0.91
89.500	0.00	0.03	0.044	0					0.91
89.583	0.00	0.03	0.044	0					0.90
89.667	0.00	0.03	0.044	0					0.90
89.750	0.00	0.03	0.044	0					0.90
89.833	0.00	0.03	0.043	0					0.89
89.917	0.00	0.03	0.043	0					0.89
90.000	0.00	0.03	0.043	0					0.89
90.083	0.00	0.03	0.043	0					0.88
90.167	0.00	0.03	0.043	0					0.88
90.250	0.00	0.02	0.043	0					0.88
90.333	0.00	0.02	0.042	0					0.87
90.417	0.00	0.02	0.042	0					0.87
90.500	0.00	0.02	0.042	0					0.87
90.583	0.00	0.02	0.042	0					0.86
90.667	0.00	0.02	0.042	0					0.86
90.750	0.00	0.02	0.042	0					0.86
90.833	0.00	0.02	0.041	0					0.85
90.917	0.00	0.02	0.041	0					0.85
91.000	0.00	0.02	0.041	0					0.85
91.083	0.00	0.02	0.041	0					0.84
91.167	0.00	0.02	0.041	0					0.84
91.250	0.00	0.02	0.041	0					0.84
91.333	0.00	0.02	0.040	0					0.84
91.417	0.00	0.02	0.040	0					0.83
91.500	0.00	0.02	0.040	0					0.83
91.583	0.00	0.02	0.040	0					0.83
91.667	0.00	0.02	0.040	0					0.82
91.750	0.00	0.02	0.040	0					0.82
91.833	0.00	0.02	0.039	0					0.82
91.917	0.00	0.02	0.039	0					0.81
92.000	0.00	0.02	0.039	0					0.81
92.083	0.00	0.02	0.039	0					0.81
92.167	0.00	0.02	0.039	0					0.80
92.250	0.00	0.02	0.039	0					0.80
92.333	0.00	0.02	0.038	0					0.80
92.417	0.00	0.02	0.038	0					0.79
92.500	0.00	0.02	0.038	0					0.79
92.583	0.00	0.02	0.038	0					0.79
92.667	0.00	0.02	0.038	0					0.79
92.750	0.00	0.02	0.038	0					0.78
92.833	0.00	0.02	0.038	0					0.78
92.917	0.00	0.02	0.037	0					0.78
93.000	0.00	0.02	0.037	0					0.77
93.083	0.00	0.02	0.037	0					0.77
93.167	0.00	0.02	0.037	0					0.77
93.250	0.00	0.02	0.037	0					0.77
93.333	0.00	0.02	0.037	0					0.76
93.417	0.00	0.02	0.036	0					0.76
93.500	0.00	0.02	0.036	0					0.76

93.583	0.00	0.02	0.036	0					0.75
93.667	0.00	0.02	0.036	0					0.75
93.750	0.00	0.02	0.036	0					0.75
93.833	0.00	0.02	0.036	0					0.74
93.917	0.00	0.02	0.036	0					0.74
94.000	0.00	0.02	0.035	0					0.74
94.083	0.00	0.02	0.035	0					0.74
94.167	0.00	0.02	0.035	0					0.73
94.250	0.00	0.02	0.035	0					0.73
94.333	0.00	0.02	0.035	0					0.73
94.417	0.00	0.02	0.035	0					0.72
94.500	0.00	0.02	0.034	0					0.72
94.583	0.00	0.02	0.034	0					0.72
94.667	0.00	0.02	0.034	0					0.72
94.750	0.00	0.02	0.034	0					0.71
94.833	0.00	0.02	0.034	0					0.71
94.917	0.00	0.02	0.034	0					0.71
95.000	0.00	0.02	0.034	0					0.71
95.083	0.00	0.02	0.033	0					0.70
95.167	0.00	0.02	0.033	0					0.70
95.250	0.00	0.02	0.033	0					0.70
95.333	0.00	0.02	0.033	0					0.69
95.417	0.00	0.02	0.033	0					0.69
95.500	0.00	0.02	0.033	0					0.69
95.583	0.00	0.02	0.033	0					0.69
95.667	0.00	0.02	0.032	0					0.68
95.750	0.00	0.02	0.032	0					0.68
95.833	0.00	0.02	0.032	0					0.68
95.917	0.00	0.02	0.032	0					0.68
96.000	0.00	0.02	0.032	0					0.67
96.083	0.00	0.02	0.032	0					0.67
96.167	0.00	0.02	0.032	0					0.67
96.250	0.00	0.02	0.032	0					0.67
96.333	0.00	0.02	0.031	0					0.66
96.417	0.00	0.02	0.031	0					0.66
96.500	0.00	0.02	0.031	0					0.66
96.583	0.00	0.02	0.031	0					0.65
96.667	0.00	0.02	0.031	0					0.65
96.750	0.00	0.02	0.031	0					0.65
96.833	0.00	0.02	0.031	0					0.65
96.917	0.00	0.02	0.030	0					0.64
97.000	0.00	0.02	0.030	0					0.64
97.083	0.00	0.02	0.030	0					0.64
97.167	0.00	0.02	0.030	0					0.64
97.250	0.00	0.02	0.030	0					0.63
97.333	0.00	0.02	0.030	0					0.63
97.417	0.00	0.02	0.030	0					0.63
97.500	0.00	0.02	0.030	0					0.63
97.583	0.00	0.02	0.029	0					0.62
97.667	0.00	0.02	0.029	0					0.62

97.750	0.00	0.02	0.029	0					0.62
97.833	0.00	0.02	0.029	0					0.62
97.917	0.00	0.02	0.029	0					0.61
98.000	0.00	0.02	0.029	0					0.61
98.083	0.00	0.02	0.029	0					0.61
98.167	0.00	0.02	0.028	0					0.61
98.250	0.00	0.02	0.028	0					0.60
98.333	0.00	0.02	0.028	0					0.60
98.417	0.00	0.02	0.028	0					0.60
98.500	0.00	0.02	0.028	0					0.60
98.583	0.00	0.02	0.028	0					0.60
98.667	0.00	0.02	0.028	0					0.59
98.750	0.00	0.02	0.028	0					0.59
98.833	0.00	0.02	0.027	0					0.59
98.917	0.00	0.02	0.027	0					0.59
99.000	0.00	0.02	0.027	0					0.58
99.083	0.00	0.02	0.027	0					0.58
99.167	0.00	0.02	0.027	0					0.58
99.250	0.00	0.02	0.027	0					0.58
99.333	0.00	0.02	0.027	0					0.57
99.417	0.00	0.02	0.027	0					0.57
99.500	0.00	0.02	0.027	0					0.57
99.583	0.00	0.02	0.026	0					0.57
99.667	0.00	0.02	0.026	0					0.56
99.750	0.00	0.02	0.026	0					0.56
99.833	0.00	0.02	0.026	0					0.56
99.917	0.00	0.02	0.026	0					0.56
100.000	0.00	0.02	0.026	0					0.56
100.083	0.00	0.02	0.026	0					0.55
100.167	0.00	0.02	0.026	0					0.55
100.250	0.00	0.02	0.025	0					0.55
100.333	0.00	0.02	0.025	0					0.55
100.417	0.00	0.02	0.025	0					0.54
100.500	0.00	0.02	0.025	0					0.54
100.583	0.00	0.02	0.025	0					0.54
100.667	0.00	0.02	0.025	0					0.54
100.750	0.00	0.02	0.025	0					0.54
100.833	0.00	0.02	0.025	0					0.53
100.917	0.00	0.02	0.025	0					0.53
101.000	0.00	0.02	0.024	0					0.53
101.083	0.00	0.02	0.024	0					0.53
101.167	0.00	0.02	0.024	0					0.52
101.250	0.00	0.02	0.024	0					0.52
101.333	0.00	0.02	0.024	0					0.52
101.417	0.00	0.02	0.024	0					0.52
101.500	0.00	0.02	0.024	0					0.52
101.583	0.00	0.02	0.024	0					0.51
101.667	0.00	0.02	0.024	0					0.51
101.750	0.00	0.02	0.023	0					0.51
101.833	0.00	0.02	0.023	0					0.51

101.917	0.00	0.02	0.023	0					0.51
102.000	0.00	0.02	0.023	0					0.50
102.083	0.00	0.02	0.023	0					0.50
102.167	0.00	0.02	0.023	0					0.50
102.250	0.00	0.02	0.023	0					0.50
102.333	0.00	0.02	0.023	0					0.50
102.417	0.00	0.02	0.023	0					0.49
102.500	0.00	0.02	0.022	0					0.49
102.583	0.00	0.02	0.022	0					0.49
102.667	0.00	0.02	0.022	0					0.49
102.750	0.00	0.02	0.022	0					0.49
102.833	0.00	0.02	0.022	0					0.48
102.917	0.00	0.02	0.022	0					0.48
103.000	0.00	0.02	0.022	0					0.48
103.083	0.00	0.02	0.022	0					0.48
103.167	0.00	0.02	0.022	0					0.47
103.250	0.00	0.02	0.021	0					0.47
103.333	0.00	0.02	0.021	0					0.47
103.417	0.00	0.02	0.021	0					0.47
103.500	0.00	0.01	0.021	0					0.47
103.583	0.00	0.01	0.021	0					0.47
103.667	0.00	0.01	0.021	0					0.46
103.750	0.00	0.01	0.021	0					0.46
103.833	0.00	0.01	0.021	0					0.46
103.917	0.00	0.01	0.021	0					0.46
104.000	0.00	0.01	0.021	0					0.46
104.083	0.00	0.01	0.020	0					0.45
104.167	0.00	0.01	0.020	0					0.45
104.250	0.00	0.01	0.020	0					0.45
104.333	0.00	0.01	0.020	0					0.45
104.417	0.00	0.01	0.020	0					0.45
104.500	0.00	0.01	0.020	0					0.44
104.583	0.00	0.01	0.020	0					0.44
104.667	0.00	0.01	0.020	0					0.44
104.750	0.00	0.01	0.020	0					0.44
104.833	0.00	0.01	0.020	0					0.44
104.917	0.00	0.01	0.019	0					0.43
105.000	0.00	0.01	0.019	0					0.43
105.083	0.00	0.01	0.019	0					0.43
105.167	0.00	0.01	0.019	0					0.43
105.250	0.00	0.01	0.019	0					0.43
105.333	0.00	0.01	0.019	0					0.43
105.417	0.00	0.01	0.019	0					0.42
105.500	0.00	0.01	0.019	0					0.42
105.583	0.00	0.01	0.019	0					0.42
105.667	0.00	0.01	0.019	0					0.42
105.750	0.00	0.01	0.019	0					0.42
105.833	0.00	0.01	0.018	0					0.41
105.917	0.00	0.01	0.018	0					0.41
106.000	0.00	0.01	0.018	0					0.41

106.083	0.00	0.01	0.018	0					0.41
106.167	0.00	0.01	0.018	0					0.41
106.250	0.00	0.01	0.018	0					0.41
106.333	0.00	0.01	0.018	0					0.40
106.417	0.00	0.01	0.018	0					0.40
106.500	0.00	0.01	0.018	0					0.40
106.583	0.00	0.01	0.018	0					0.40
106.667	0.00	0.01	0.017	0					0.40
106.750	0.00	0.01	0.017	0					0.39
106.833	0.00	0.01	0.017	0					0.39
106.917	0.00	0.01	0.017	0					0.39
107.000	0.00	0.01	0.017	0					0.39
107.083	0.00	0.01	0.017	0					0.39
107.167	0.00	0.01	0.017	0					0.39
107.250	0.00	0.01	0.017	0					0.38
107.333	0.00	0.01	0.017	0					0.38
107.417	0.00	0.01	0.017	0					0.38
107.500	0.00	0.01	0.017	0					0.38
107.583	0.00	0.01	0.016	0					0.38
107.667	0.00	0.01	0.016	0					0.38
107.750	0.00	0.01	0.016	0					0.37
107.833	0.00	0.01	0.016	0					0.37
107.917	0.00	0.01	0.016	0					0.37
108.000	0.00	0.01	0.016	0					0.37
108.083	0.00	0.01	0.016	0					0.37
108.167	0.00	0.01	0.016	0					0.37
108.250	0.00	0.01	0.016	0					0.36
108.333	0.00	0.01	0.016	0					0.36
108.417	0.00	0.01	0.016	0					0.36
108.500	0.00	0.01	0.016	0					0.36
108.583	0.00	0.01	0.015	0					0.36
108.667	0.00	0.01	0.015	0					0.36
108.750	0.00	0.01	0.015	0					0.35
108.833	0.00	0.01	0.015	0					0.35
108.917	0.00	0.01	0.015	0					0.35
109.000	0.00	0.01	0.015	0					0.35
109.083	0.00	0.01	0.015	0					0.35
109.167	0.00	0.01	0.015	0					0.35
109.250	0.00	0.01	0.015	0					0.34
109.333	0.00	0.01	0.015	0					0.34
109.417	0.00	0.01	0.015	0					0.34
109.500	0.00	0.01	0.015	0					0.34
109.583	0.00	0.01	0.014	0					0.34
109.667	0.00	0.01	0.014	0					0.34
109.750	0.00	0.01	0.014	0					0.34
109.833	0.00	0.01	0.014	0					0.33
109.917	0.00	0.01	0.014	0					0.33
110.000	0.00	0.01	0.014	0					0.33
110.083	0.00	0.01	0.014	0					0.33
110.167	0.00	0.01	0.014	0					0.33

110.250	0.00	0.01	0.014	0					0.33
110.333	0.00	0.01	0.014	0					0.32
110.417	0.00	0.01	0.014	0					0.32
110.500	0.00	0.01	0.014	0					0.32
110.583	0.00	0.01	0.014	0					0.32
110.667	0.00	0.01	0.013	0					0.32
110.750	0.00	0.01	0.013	0					0.32
110.833	0.00	0.01	0.013	0					0.32
110.917	0.00	0.01	0.013	0					0.31
111.000	0.00	0.01	0.013	0					0.31
111.083	0.00	0.01	0.013	0					0.31
111.167	0.00	0.01	0.013	0					0.31
111.250	0.00	0.01	0.013	0					0.31
111.333	0.00	0.01	0.013	0					0.31
111.417	0.00	0.01	0.013	0					0.31
111.500	0.00	0.01	0.013	0					0.30
111.583	0.00	0.01	0.013	0					0.30
111.667	0.00	0.01	0.013	0					0.30
111.750	0.00	0.01	0.012	0					0.30
111.833	0.00	0.01	0.012	0					0.30
111.917	0.00	0.01	0.012	0					0.30
112.000	0.00	0.01	0.012	0					0.30
112.083	0.00	0.01	0.012	0					0.29
112.167	0.00	0.01	0.012	0					0.29
112.250	0.00	0.01	0.012	0					0.29
112.333	0.00	0.01	0.012	0					0.29
112.417	0.00	0.01	0.012	0					0.29
112.500	0.00	0.01	0.012	0					0.29
112.583	0.00	0.01	0.012	0					0.29
112.667	0.00	0.01	0.012	0					0.28
112.750	0.00	0.01	0.012	0					0.28
112.833	0.00	0.01	0.011	0					0.28
112.917	0.00	0.01	0.011	0					0.28
113.000	0.00	0.01	0.011	0					0.28
113.083	0.00	0.01	0.011	0					0.28
113.167	0.00	0.01	0.011	0					0.28
113.250	0.00	0.01	0.011	0					0.27
113.333	0.00	0.01	0.011	0					0.27
113.417	0.00	0.01	0.011	0					0.27
113.500	0.00	0.01	0.011	0					0.27
113.583	0.00	0.01	0.011	0					0.27
113.667	0.00	0.01	0.011	0					0.27
113.750	0.00	0.01	0.011	0					0.27
113.833	0.00	0.01	0.011	0					0.27
113.917	0.00	0.01	0.011	0					0.26
114.000	0.00	0.01	0.010	0					0.26
114.083	0.00	0.01	0.010	0					0.26
114.167	0.00	0.01	0.010	0					0.26
114.250	0.00	0.01	0.010	0					0.26
114.333	0.00	0.01	0.010	0					0.26

114.417	0.00	0.01	0.010	0					0.26
114.500	0.00	0.01	0.010	0					0.25
114.583	0.00	0.01	0.010	0					0.25
114.667	0.00	0.01	0.010	0					0.25
114.750	0.00	0.01	0.010	0					0.25
114.833	0.00	0.01	0.010	0					0.25
114.917	0.00	0.01	0.010	0					0.25
115.000	0.00	0.01	0.010	0					0.25
115.083	0.00	0.01	0.010	0					0.25
115.167	0.00	0.01	0.010	0					0.24
115.250	0.00	0.01	0.009	0					0.24
115.333	0.00	0.01	0.009	0					0.24
115.417	0.00	0.01	0.009	0					0.24
115.500	0.00	0.01	0.009	0					0.24
115.583	0.00	0.01	0.009	0					0.24
115.667	0.00	0.01	0.009	0					0.24
115.750	0.00	0.01	0.009	0					0.24
115.833	0.00	0.01	0.009	0					0.23
115.917	0.00	0.01	0.009	0					0.23
116.000	0.00	0.01	0.009	0					0.23
116.083	0.00	0.01	0.009	0					0.23
116.167	0.00	0.01	0.009	0					0.23
116.250	0.00	0.01	0.009	0					0.23
116.333	0.00	0.01	0.009	0					0.23
116.417	0.00	0.01	0.009	0					0.23
116.500	0.00	0.01	0.009	0					0.22
116.583	0.00	0.01	0.008	0					0.22
116.667	0.00	0.01	0.008	0					0.22
116.750	0.00	0.01	0.008	0					0.22
116.833	0.00	0.01	0.008	0					0.22
116.917	0.00	0.01	0.008	0					0.22
117.000	0.00	0.01	0.008	0					0.22
117.083	0.00	0.01	0.008	0					0.22
117.167	0.00	0.01	0.008	0					0.22
117.250	0.00	0.01	0.008	0					0.21
117.333	0.00	0.01	0.008	0					0.21
117.417	0.00	0.01	0.008	0					0.21
117.500	0.00	0.01	0.008	0					0.21
117.583	0.00	0.01	0.008	0					0.21
117.667	0.00	0.01	0.008	0					0.21
117.750	0.00	0.01	0.008	0					0.21
117.833	0.00	0.01	0.008	0					0.21
117.917	0.00	0.01	0.007	0					0.21
118.000	0.00	0.01	0.007	0					0.20
118.083	0.00	0.01	0.007	0					0.20
118.167	0.00	0.01	0.007	0					0.20
118.250	0.00	0.01	0.007	0					0.20
118.333	0.00	0.01	0.007	0					0.20
118.417	0.00	0.01	0.007	0					0.20
118.500	0.00	0.01	0.007	0					0.20

118.583	0.00	0.01	0.007	0					0.20
118.667	0.00	0.01	0.007	0					0.20
118.750	0.00	0.01	0.007	0					0.19
118.833	0.00	0.01	0.007	0					0.19
118.917	0.00	0.01	0.007	0					0.19
119.000	0.00	0.01	0.007	0					0.19
119.083	0.00	0.01	0.007	0					0.19
119.167	0.00	0.01	0.007	0					0.19
119.250	0.00	0.01	0.007	0					0.19
119.333	0.00	0.01	0.007	0					0.19
119.417	0.00	0.01	0.006	0					0.19
119.500	0.00	0.01	0.006	0					0.18
119.583	0.00	0.01	0.006	0					0.18
119.667	0.00	0.01	0.006	0					0.18
119.750	0.00	0.01	0.006	0					0.18
119.833	0.00	0.01	0.006	0					0.18
119.917	0.00	0.01	0.006	0					0.18
120.000	0.00	0.01	0.006	0					0.18
120.083	0.00	0.01	0.006	0					0.18
120.167	0.00	0.01	0.006	0					0.18
120.250	0.00	0.01	0.006	0					0.17
120.333	0.00	0.01	0.006	0					0.17
120.417	0.00	0.01	0.006	0					0.17
120.500	0.00	0.01	0.006	0					0.17
120.583	0.00	0.01	0.006	0					0.17
120.667	0.00	0.01	0.006	0					0.17
120.750	0.00	0.01	0.006	0					0.17
120.833	0.00	0.01	0.006	0					0.17
120.917	0.00	0.01	0.005	0					0.17
121.000	0.00	0.01	0.005	0					0.17
121.083	0.00	0.01	0.005	0					0.16
121.167	0.00	0.01	0.005	0					0.16
121.250	0.00	0.01	0.005	0					0.16
121.333	0.00	0.01	0.005	0					0.16
121.417	0.00	0.01	0.005	0					0.16
121.500	0.00	0.01	0.005	0					0.16
121.583	0.00	0.01	0.005	0					0.16
121.667	0.00	0.01	0.005	0					0.16
121.750	0.00	0.01	0.005	0					0.16
121.833	0.00	0.01	0.005	0					0.16
121.917	0.00	0.01	0.005	0					0.15
122.000	0.00	0.01	0.005	0					0.15
122.083	0.00	0.01	0.005	0					0.15
122.167	0.00	0.01	0.005	0					0.15
122.250	0.00	0.01	0.005	0					0.15
122.333	0.00	0.01	0.005	0					0.15
122.417	0.00	0.01	0.005	0					0.15
122.500	0.00	0.01	0.005	0					0.15
122.583	0.00	0.01	0.004	0					0.15
122.667	0.00	0.01	0.004	0					0.15

122.750	0.00	0.01	0.004	0					0.15
122.833	0.00	0.01	0.004	0					0.14
122.917	0.00	0.01	0.004	0					0.14
123.000	0.00	0.01	0.004	0					0.14
123.083	0.00	0.01	0.004	0					0.14
123.167	0.00	0.01	0.004	0					0.14
123.250	0.00	0.01	0.004	0					0.14
123.333	0.00	0.01	0.004	0					0.14
123.417	0.00	0.01	0.004	0					0.14
123.500	0.00	0.01	0.004	0					0.14
123.583	0.00	0.01	0.004	0					0.14
123.667	0.00	0.01	0.004	0					0.14
123.750	0.00	0.01	0.004	0					0.13
123.833	0.00	0.01	0.004	0					0.13
123.917	0.00	0.01	0.004	0					0.13
124.000	0.00	0.01	0.004	0					0.13
124.083	0.00	0.01	0.004	0					0.13
124.167	0.00	0.01	0.004	0					0.13
124.250	0.00	0.01	0.004	0					0.13
124.333	0.00	0.01	0.003	0					0.13
124.417	0.00	0.01	0.003	0					0.13
124.500	0.00	0.01	0.003	0					0.13
124.583	0.00	0.01	0.003	0					0.13
124.667	0.00	0.01	0.003	0					0.12
124.750	0.00	0.01	0.003	0					0.12
124.833	0.00	0.01	0.003	0					0.12
124.917	0.00	0.01	0.003	0					0.12
125.000	0.00	0.01	0.003	0					0.12
125.083	0.00	0.01	0.003	0					0.12
125.167	0.00	0.01	0.003	0					0.12
125.250	0.00	0.01	0.003	0					0.12
125.333	0.00	0.01	0.003	0					0.12
125.417	0.00	0.01	0.003	0					0.12
125.500	0.00	0.01	0.003	0					0.12
125.583	0.00	0.01	0.003	0					0.12
125.667	0.00	0.01	0.003	0					0.11
125.750	0.00	0.01	0.003	0					0.11
125.833	0.00	0.01	0.003	0					0.11
125.917	0.00	0.01	0.003	0					0.11
126.000	0.00	0.01	0.003	0					0.11
126.083	0.00	0.01	0.003	0					0.11
126.167	0.00	0.01	0.002	0					0.11
126.250	0.00	0.01	0.002	0					0.11
126.333	0.00	0.01	0.002	0					0.11
126.417	0.00	0.01	0.002	0					0.11
126.500	0.00	0.01	0.002	0					0.11
126.583	0.00	0.01	0.002	0					0.11
126.667	0.00	0.01	0.002	0					0.10
126.750	0.00	0.01	0.002	0					0.10
126.833	0.00	0.01	0.002	0					0.10

126.917	0.00	0.01	0.002	0					0.10
127.000	0.00	0.01	0.002	0					0.10
127.083	0.00	0.01	0.002	0					0.10
127.167	0.00	0.01	0.002	0					0.10
127.250	0.00	0.01	0.002	0					0.10
127.333	0.00	0.01	0.002	0					0.10
127.417	0.00	0.01	0.002	0					0.09
127.500	0.00	0.01	0.002	0					0.09
127.583	0.00	0.01	0.002	0					0.09
127.667	0.00	0.01	0.002	0					0.09
127.750	0.00	0.01	0.002	0					0.09
127.833	0.00	0.01	0.002	0					0.08
127.917	0.00	0.00	0.002	0					0.08
128.000	0.00	0.00	0.002	0					0.08
128.083	0.00	0.00	0.002	0					0.08
128.167	0.00	0.00	0.002	0					0.08
128.250	0.00	0.00	0.002	0					0.08
128.333	0.00	0.00	0.001	0					0.07
128.417	0.00	0.00	0.001	0					0.07
128.500	0.00	0.00	0.001	0					0.07
128.583	0.00	0.00	0.001	0					0.07
128.667	0.00	0.00	0.001	0					0.07
128.750	0.00	0.00	0.001	0					0.07
128.833	0.00	0.00	0.001	0					0.07
128.917	0.00	0.00	0.001	0					0.06
129.000	0.00	0.00	0.001	0					0.06
129.083	0.00	0.00	0.001	0					0.06
129.167	0.00	0.00	0.001	0					0.06
129.250	0.00	0.00	0.001	0					0.06
129.333	0.00	0.00	0.001	0					0.06
129.417	0.00	0.00	0.001	0					0.06
129.500	0.00	0.00	0.001	0					0.06
129.583	0.00	0.00	0.001	0					0.05
129.667	0.00	0.00	0.001	0					0.05
129.750	0.00	0.00	0.001	0					0.05
129.833	0.00	0.00	0.001	0					0.05
129.917	0.00	0.00	0.001	0					0.05
130.000	0.00	0.00	0.001	0					0.05
130.083	0.00	0.00	0.001	0					0.05
130.167	0.00	0.00	0.001	0					0.05
130.250	0.00	0.00	0.001	0					0.05
130.333	0.00	0.00	0.001	0					0.05
130.417	0.00	0.00	0.001	0					0.04
130.500	0.00	0.00	0.001	0					0.04
130.583	0.00	0.00	0.001	0					0.04
130.667	0.00	0.00	0.001	0					0.04
130.750	0.00	0.00	0.001	0					0.04
130.833	0.00	0.00	0.001	0					0.04
130.917	0.00	0.00	0.001	0					0.04
131.000	0.00	0.00	0.001	0					0.04

131.083	0.00	0.00	0.001	0					0.04
131.167	0.00	0.00	0.001	0					0.04
131.250	0.00	0.00	0.001	0					0.04
131.333	0.00	0.00	0.001	0					0.04
131.417	0.00	0.00	0.001	0					0.03
131.500	0.00	0.00	0.001	0					0.03
131.583	0.00	0.00	0.001	0					0.03
131.667	0.00	0.00	0.001	0					0.03
131.750	0.00	0.00	0.001	0					0.03
131.833	0.00	0.00	0.001	0					0.03
131.917	0.00	0.00	0.001	0					0.03
132.000	0.00	0.00	0.001	0					0.03
132.083	0.00	0.00	0.001	0					0.03
132.167	0.00	0.00	0.001	0					0.03
132.250	0.00	0.00	0.001	0					0.03
132.333	0.00	0.00	0.001	0					0.03
132.417	0.00	0.00	0.001	0					0.03
132.500	0.00	0.00	0.001	0					0.03
132.583	0.00	0.00	0.001	0					0.03
132.667	0.00	0.00	0.001	0					0.03
132.750	0.00	0.00	0.000	0					0.02
132.833	0.00	0.00	0.000	0					0.02
132.917	0.00	0.00	0.000	0					0.02
133.000	0.00	0.00	0.000	0					0.02
133.083	0.00	0.00	0.000	0					0.02
133.167	0.00	0.00	0.000	0					0.02
133.250	0.00	0.00	0.000	0					0.02
133.333	0.00	0.00	0.000	0					0.02
133.417	0.00	0.00	0.000	0					0.02
133.500	0.00	0.00	0.000	0					0.02
133.583	0.00	0.00	0.000	0					0.02
133.667	0.00	0.00	0.000	0					0.02
133.750	0.00	0.00	0.000	0					0.02
133.833	0.00	0.00	0.000	0					0.02
133.917	0.00	0.00	0.000	0					0.02
134.000	0.00	0.00	0.000	0					0.02
134.083	0.00	0.00	0.000	0					0.02
134.167	0.00	0.00	0.000	0					0.02
134.250	0.00	0.00	0.000	0					0.02
134.333	0.00	0.00	0.000	0					0.02
134.417	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1613

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.057 (CFS)

Total volume = 0.351 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000

Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
10 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da2310.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.375 (CFS)
Total volume = 0.265 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.69	2.53	3.37	Depth (Ft.)
0.083	0.25	0.00	0.001	0 I					0.04
0.167	0.43	0.01	0.003	0 I					0.12
0.250	0.42	0.01	0.006	0 I					0.18
0.333	0.47	0.01	0.009	0 I					0.23
0.417	0.52	0.01	0.012	0 I					0.30
0.500	0.59	0.01	0.016	0 I					0.37
0.583	0.57	0.01	0.020	0 I					0.44
0.667	0.59	0.02	0.024	0 I					0.52
0.750	0.63	0.02	0.028	0 I					0.60
0.833	0.58	0.02	0.032	0 I					0.67
0.917	0.56	0.02	0.036	0 I					0.75
1.000	0.60	0.02	0.040	0 I					0.82
1.083	0.71	0.03	0.044	0 I					0.90
1.167	0.77	0.03	0.049	0 I					1.00
1.250	0.78	0.03	0.054	0 I					1.06
1.333	0.74	0.03	0.059	0 I					1.12
1.417	0.83	0.03	0.064	0 I					1.19
1.500	0.93	0.03	0.070	0 I					1.26
1.583	0.90	0.03	0.076	0 I					1.34
1.667	0.92	0.03	0.082	0 I					1.41
1.750	1.11	0.03	0.089	0 I	I				1.50
1.833	1.18	0.03	0.096	0 I	I				1.59

1.917	1.11	0.04	0.104	0		I					1.69
2.000	1.09	0.04	0.111	0		I					1.78
2.083	1.13	0.04	0.119	0		I					1.87
2.167	1.44	0.04	0.127	0			I				1.98
2.250	1.85	0.04	0.138	0				I			2.10
2.333	1.64	0.04	0.150	0			I				2.22
2.417	2.26	0.04	0.163	0					I		2.36
2.500	2.94	0.04	0.181	0						I	2.55
2.583	3.37	0.05	0.202	0						I	2.77
2.667	2.96	0.05	0.224	0					I		3.00
2.750	1.59	0.05	0.239	0			I				3.15
2.833	0.79	0.05	0.247	0		I					3.24
2.917	0.64	0.05	0.252	0		I					3.28
3.000	0.40	0.05	0.255	0	I						3.32
3.083	0.13	0.05	0.256	0	I						3.33
3.167	0.02	0.05	0.257	0							3.33
3.250	0.00	0.05	0.256	0							3.33
3.333	0.00	0.05	0.256	0							3.33
3.417	0.00	0.05	0.256	0							3.32
3.500	0.00	0.05	0.255	0							3.32
3.583	0.00	0.05	0.255	0							3.31
3.667	0.00	0.05	0.254	0							3.31
3.750	0.00	0.05	0.254	0							3.31
3.833	0.00	0.05	0.254	0							3.30
3.917	0.00	0.05	0.253	0							3.30
4.000	0.00	0.05	0.253	0							3.30
4.083	0.00	0.05	0.253	0							3.29
4.167	0.00	0.05	0.252	0							3.29
4.250	0.00	0.05	0.252	0							3.29
4.333	0.00	0.05	0.252	0							3.28
4.417	0.00	0.05	0.251	0							3.28
4.500	0.00	0.05	0.251	0							3.28
4.583	0.00	0.05	0.251	0							3.27
4.667	0.00	0.05	0.250	0							3.27
4.750	0.00	0.05	0.250	0							3.26
4.833	0.00	0.05	0.250	0							3.26
4.917	0.00	0.05	0.249	0							3.26
5.000	0.00	0.05	0.249	0							3.25
5.083	0.00	0.05	0.249	0							3.25
5.167	0.00	0.05	0.248	0							3.25
5.250	0.00	0.05	0.248	0							3.24
5.333	0.00	0.05	0.248	0							3.24
5.417	0.00	0.05	0.247	0							3.24
5.500	0.00	0.05	0.247	0							3.23
5.583	0.00	0.05	0.247	0							3.23
5.667	0.00	0.05	0.246	0							3.23
5.750	0.00	0.05	0.246	0							3.22
5.833	0.00	0.05	0.245	0							3.22
5.917	0.00	0.05	0.245	0							3.22
6.000	0.00	0.05	0.245	0							3.21

6.083	0.00	0.05	0.244	0					3.21
6.167	0.00	0.05	0.244	0					3.21
6.250	0.00	0.05	0.244	0					3.20
6.333	0.00	0.05	0.243	0					3.20
6.417	0.00	0.05	0.243	0					3.19
6.500	0.00	0.05	0.243	0					3.19
6.583	0.00	0.05	0.242	0					3.19
6.667	0.00	0.05	0.242	0					3.18
6.750	0.00	0.05	0.242	0					3.18
6.833	0.00	0.05	0.241	0					3.18
6.917	0.00	0.05	0.241	0					3.17
7.000	0.00	0.05	0.241	0					3.17
7.083	0.00	0.05	0.240	0					3.17
7.167	0.00	0.05	0.240	0					3.16
7.250	0.00	0.05	0.240	0					3.16
7.333	0.00	0.05	0.239	0					3.16
7.417	0.00	0.05	0.239	0					3.15
7.500	0.00	0.05	0.239	0					3.15
7.583	0.00	0.05	0.238	0					3.15
7.667	0.00	0.05	0.238	0					3.14
7.750	0.00	0.05	0.238	0					3.14
7.833	0.00	0.05	0.237	0					3.14
7.917	0.00	0.05	0.237	0					3.13
8.000	0.00	0.05	0.237	0					3.13
8.083	0.00	0.05	0.236	0					3.13
8.167	0.00	0.05	0.236	0					3.12
8.250	0.00	0.05	0.236	0					3.12
8.333	0.00	0.05	0.235	0					3.12
8.417	0.00	0.05	0.235	0					3.11
8.500	0.00	0.05	0.235	0					3.11
8.583	0.00	0.05	0.234	0					3.10
8.667	0.00	0.05	0.234	0					3.10
8.750	0.00	0.05	0.234	0					3.10
8.833	0.00	0.05	0.233	0					3.09
8.917	0.00	0.05	0.233	0					3.09
9.000	0.00	0.05	0.233	0					3.09
9.083	0.00	0.05	0.232	0					3.08
9.167	0.00	0.05	0.232	0					3.08
9.250	0.00	0.05	0.232	0					3.08
9.333	0.00	0.05	0.231	0					3.07
9.417	0.00	0.05	0.231	0					3.07
9.500	0.00	0.05	0.231	0					3.07
9.583	0.00	0.05	0.230	0					3.06
9.667	0.00	0.05	0.230	0					3.06
9.750	0.00	0.05	0.230	0					3.06
9.833	0.00	0.05	0.229	0					3.05
9.917	0.00	0.05	0.229	0					3.05
10.000	0.00	0.05	0.229	0					3.05
10.083	0.00	0.05	0.228	0					3.04
10.167	0.00	0.05	0.228	0					3.04

10.250	0.00	0.05	0.228	0					3.04
10.333	0.00	0.05	0.227	0					3.03
10.417	0.00	0.05	0.227	0					3.03
10.500	0.00	0.05	0.227	0					3.03
10.583	0.00	0.05	0.226	0					3.02
10.667	0.00	0.05	0.226	0					3.02
10.750	0.00	0.05	0.226	0					3.02
10.833	0.00	0.05	0.225	0					3.01
10.917	0.00	0.05	0.225	0					3.01
11.000	0.00	0.05	0.225	0					3.01
11.083	0.00	0.05	0.224	0					3.00
11.167	0.00	0.05	0.224	0					3.00
11.250	0.00	0.05	0.224	0					3.00
11.333	0.00	0.05	0.223	0					2.99
11.417	0.00	0.05	0.223	0					2.99
11.500	0.00	0.05	0.223	0					2.99
11.583	0.00	0.05	0.222	0					2.98
11.667	0.00	0.05	0.222	0					2.98
11.750	0.00	0.05	0.222	0					2.98
11.833	0.00	0.05	0.221	0					2.97
11.917	0.00	0.05	0.221	0					2.97
12.000	0.00	0.05	0.221	0					2.96
12.083	0.00	0.05	0.220	0					2.96
12.167	0.00	0.05	0.220	0					2.96
12.250	0.00	0.05	0.220	0					2.95
12.333	0.00	0.05	0.219	0					2.95
12.417	0.00	0.05	0.219	0					2.95
12.500	0.00	0.05	0.219	0					2.94
12.583	0.00	0.05	0.218	0					2.94
12.667	0.00	0.05	0.218	0					2.94
12.750	0.00	0.05	0.218	0					2.93
12.833	0.00	0.05	0.217	0					2.93
12.917	0.00	0.05	0.217	0					2.93
13.000	0.00	0.05	0.217	0					2.92
13.083	0.00	0.05	0.216	0					2.92
13.167	0.00	0.05	0.216	0					2.92
13.250	0.00	0.05	0.216	0					2.91
13.333	0.00	0.05	0.215	0					2.91
13.417	0.00	0.05	0.215	0					2.91
13.500	0.00	0.05	0.215	0					2.90
13.583	0.00	0.05	0.214	0					2.90
13.667	0.00	0.05	0.214	0					2.90
13.750	0.00	0.05	0.214	0					2.89
13.833	0.00	0.05	0.213	0					2.89
13.917	0.00	0.05	0.213	0					2.89
14.000	0.00	0.05	0.213	0					2.88
14.083	0.00	0.05	0.213	0					2.88
14.167	0.00	0.05	0.212	0					2.88
14.250	0.00	0.05	0.212	0					2.87
14.333	0.00	0.05	0.212	0					2.87

14.417	0.00	0.05	0.211	0					2.87
14.500	0.00	0.05	0.211	0					2.86
14.583	0.00	0.05	0.211	0					2.86
14.667	0.00	0.05	0.210	0					2.86
14.750	0.00	0.05	0.210	0					2.85
14.833	0.00	0.05	0.210	0					2.85
14.917	0.00	0.05	0.209	0					2.85
15.000	0.00	0.05	0.209	0					2.84
15.083	0.00	0.05	0.209	0					2.84
15.167	0.00	0.05	0.208	0					2.84
15.250	0.00	0.05	0.208	0					2.83
15.333	0.00	0.05	0.208	0					2.83
15.417	0.00	0.05	0.207	0					2.82
15.500	0.00	0.05	0.207	0					2.82
15.583	0.00	0.05	0.207	0					2.82
15.667	0.00	0.05	0.206	0					2.81
15.750	0.00	0.05	0.206	0					2.81
15.833	0.00	0.05	0.206	0					2.81
15.917	0.00	0.05	0.205	0					2.80
16.000	0.00	0.05	0.205	0					2.80
16.083	0.00	0.05	0.205	0					2.80
16.167	0.00	0.05	0.204	0					2.79
16.250	0.00	0.05	0.204	0					2.79
16.333	0.00	0.05	0.204	0					2.79
16.417	0.00	0.05	0.204	0					2.78
16.500	0.00	0.05	0.203	0					2.78
16.583	0.00	0.05	0.203	0					2.78
16.667	0.00	0.05	0.203	0					2.77
16.750	0.00	0.05	0.202	0					2.77
16.833	0.00	0.05	0.202	0					2.77
16.917	0.00	0.05	0.202	0					2.76
17.000	0.00	0.05	0.201	0					2.76
17.083	0.00	0.05	0.201	0					2.76
17.167	0.00	0.05	0.201	0					2.75
17.250	0.00	0.05	0.200	0					2.75
17.333	0.00	0.05	0.200	0					2.75
17.417	0.00	0.05	0.200	0					2.74
17.500	0.00	0.05	0.199	0					2.74
17.583	0.00	0.05	0.199	0					2.74
17.667	0.00	0.05	0.199	0					2.73
17.750	0.00	0.05	0.198	0					2.73
17.833	0.00	0.05	0.198	0					2.73
17.917	0.00	0.05	0.198	0					2.72
18.000	0.00	0.05	0.198	0					2.72
18.083	0.00	0.05	0.197	0					2.72
18.167	0.00	0.05	0.197	0					2.72
18.250	0.00	0.05	0.197	0					2.71
18.333	0.00	0.05	0.196	0					2.71
18.417	0.00	0.05	0.196	0					2.71
18.500	0.00	0.05	0.196	0					2.70

18.583	0.00	0.05	0.195	0					2.70
18.667	0.00	0.05	0.195	0					2.70
18.750	0.00	0.05	0.195	0					2.69
18.833	0.00	0.05	0.194	0					2.69
18.917	0.00	0.05	0.194	0					2.69
19.000	0.00	0.05	0.194	0					2.68
19.083	0.00	0.05	0.194	0					2.68
19.167	0.00	0.05	0.193	0					2.68
19.250	0.00	0.05	0.193	0					2.67
19.333	0.00	0.05	0.193	0					2.67
19.417	0.00	0.04	0.192	0					2.67
19.500	0.00	0.04	0.192	0					2.66
19.583	0.00	0.04	0.192	0					2.66
19.667	0.00	0.04	0.191	0					2.66
19.750	0.00	0.04	0.191	0					2.65
19.833	0.00	0.04	0.191	0					2.65
19.917	0.00	0.04	0.190	0					2.65
20.000	0.00	0.04	0.190	0					2.64
20.083	0.00	0.04	0.190	0					2.64
20.167	0.00	0.04	0.189	0					2.64
20.250	0.00	0.04	0.189	0					2.63
20.333	0.00	0.04	0.189	0					2.63
20.417	0.00	0.04	0.189	0					2.63
20.500	0.00	0.04	0.188	0					2.62
20.583	0.00	0.04	0.188	0					2.62
20.667	0.00	0.04	0.188	0					2.62
20.750	0.00	0.04	0.187	0					2.61
20.833	0.00	0.04	0.187	0					2.61
20.917	0.00	0.04	0.187	0					2.61
21.000	0.00	0.04	0.186	0					2.60
21.083	0.00	0.04	0.186	0					2.60
21.167	0.00	0.04	0.186	0					2.60
21.250	0.00	0.04	0.185	0					2.59
21.333	0.00	0.04	0.185	0					2.59
21.417	0.00	0.04	0.185	0					2.59
21.500	0.00	0.04	0.185	0					2.59
21.583	0.00	0.04	0.184	0					2.58
21.667	0.00	0.04	0.184	0					2.58
21.750	0.00	0.04	0.184	0					2.58
21.833	0.00	0.04	0.183	0					2.57
21.917	0.00	0.04	0.183	0					2.57
22.000	0.00	0.04	0.183	0					2.57
22.083	0.00	0.04	0.182	0					2.56
22.167	0.00	0.04	0.182	0					2.56
22.250	0.00	0.04	0.182	0					2.56
22.333	0.00	0.04	0.182	0					2.55
22.417	0.00	0.04	0.181	0					2.55
22.500	0.00	0.04	0.181	0					2.55
22.583	0.00	0.04	0.181	0					2.54
22.667	0.00	0.04	0.180	0					2.54

22.750	0.00	0.04	0.180	0					2.54
22.833	0.00	0.04	0.180	0					2.53
22.917	0.00	0.04	0.179	0					2.53
23.000	0.00	0.04	0.179	0					2.53
23.083	0.00	0.04	0.179	0					2.52
23.167	0.00	0.04	0.179	0					2.52
23.250	0.00	0.04	0.178	0					2.52
23.333	0.00	0.04	0.178	0					2.51
23.417	0.00	0.04	0.178	0					2.51
23.500	0.00	0.04	0.177	0					2.51
23.583	0.00	0.04	0.177	0					2.51
23.667	0.00	0.04	0.177	0					2.50
23.750	0.00	0.04	0.176	0					2.50
23.833	0.00	0.04	0.176	0					2.50
23.917	0.00	0.04	0.176	0					2.49
24.000	0.00	0.04	0.176	0					2.49
24.083	0.00	0.04	0.175	0					2.49
24.167	0.00	0.04	0.175	0					2.48
24.250	0.00	0.04	0.175	0					2.48
24.333	0.00	0.04	0.174	0					2.48
24.417	0.00	0.04	0.174	0					2.47
24.500	0.00	0.04	0.174	0					2.47
24.583	0.00	0.04	0.173	0					2.47
24.667	0.00	0.04	0.173	0					2.46
24.750	0.00	0.04	0.173	0					2.46
24.833	0.00	0.04	0.173	0					2.46
24.917	0.00	0.04	0.172	0					2.46
25.000	0.00	0.04	0.172	0					2.45
25.083	0.00	0.04	0.172	0					2.45
25.167	0.00	0.04	0.171	0					2.45
25.250	0.00	0.04	0.171	0					2.44
25.333	0.00	0.04	0.171	0					2.44
25.417	0.00	0.04	0.170	0					2.44
25.500	0.00	0.04	0.170	0					2.43
25.583	0.00	0.04	0.170	0					2.43
25.667	0.00	0.04	0.170	0					2.43
25.750	0.00	0.04	0.169	0					2.42
25.833	0.00	0.04	0.169	0					2.42
25.917	0.00	0.04	0.169	0					2.42
26.000	0.00	0.04	0.168	0					2.41
26.083	0.00	0.04	0.168	0					2.41
26.167	0.00	0.04	0.168	0					2.41
26.250	0.00	0.04	0.168	0					2.41
26.333	0.00	0.04	0.167	0					2.40
26.417	0.00	0.04	0.167	0					2.40
26.500	0.00	0.04	0.167	0					2.40
26.583	0.00	0.04	0.166	0					2.39
26.667	0.00	0.04	0.166	0					2.39
26.750	0.00	0.04	0.166	0					2.39
26.833	0.00	0.04	0.165	0					2.38

26.917	0.00	0.04	0.165	0					2.38
27.000	0.00	0.04	0.165	0					2.38
27.083	0.00	0.04	0.165	0					2.37
27.167	0.00	0.04	0.164	0					2.37
27.250	0.00	0.04	0.164	0					2.37
27.333	0.00	0.04	0.164	0					2.37
27.417	0.00	0.04	0.163	0					2.36
27.500	0.00	0.04	0.163	0					2.36
27.583	0.00	0.04	0.163	0					2.36
27.667	0.00	0.04	0.163	0					2.35
27.750	0.00	0.04	0.162	0					2.35
27.833	0.00	0.04	0.162	0					2.35
27.917	0.00	0.04	0.162	0					2.34
28.000	0.00	0.04	0.161	0					2.34
28.083	0.00	0.04	0.161	0					2.34
28.167	0.00	0.04	0.161	0					2.33
28.250	0.00	0.04	0.161	0					2.33
28.333	0.00	0.04	0.160	0					2.33
28.417	0.00	0.04	0.160	0					2.33
28.500	0.00	0.04	0.160	0					2.32
28.583	0.00	0.04	0.159	0					2.32
28.667	0.00	0.04	0.159	0					2.32
28.750	0.00	0.04	0.159	0					2.31
28.833	0.00	0.04	0.159	0					2.31
28.917	0.00	0.04	0.158	0					2.31
29.000	0.00	0.04	0.158	0					2.30
29.083	0.00	0.04	0.158	0					2.30
29.167	0.00	0.04	0.157	0					2.30
29.250	0.00	0.04	0.157	0					2.30
29.333	0.00	0.04	0.157	0					2.29
29.417	0.00	0.04	0.156	0					2.29
29.500	0.00	0.04	0.156	0					2.29
29.583	0.00	0.04	0.156	0					2.28
29.667	0.00	0.04	0.156	0					2.28
29.750	0.00	0.04	0.155	0					2.28
29.833	0.00	0.04	0.155	0					2.27
29.917	0.00	0.04	0.155	0					2.27
30.000	0.00	0.04	0.154	0					2.27
30.083	0.00	0.04	0.154	0					2.27
30.167	0.00	0.04	0.154	0					2.26
30.250	0.00	0.04	0.154	0					2.26
30.333	0.00	0.04	0.153	0					2.26
30.417	0.00	0.04	0.153	0					2.25
30.500	0.00	0.04	0.153	0					2.25
30.583	0.00	0.04	0.153	0					2.25
30.667	0.00	0.04	0.152	0					2.24
30.750	0.00	0.04	0.152	0					2.24
30.833	0.00	0.04	0.152	0					2.24
30.917	0.00	0.04	0.151	0					2.24
31.000	0.00	0.04	0.151	0					2.23

31.083	0.00	0.04	0.151	0					2.23
31.167	0.00	0.04	0.151	0					2.23
31.250	0.00	0.04	0.150	0					2.22
31.333	0.00	0.04	0.150	0					2.22
31.417	0.00	0.04	0.150	0					2.22
31.500	0.00	0.04	0.149	0					2.21
31.583	0.00	0.04	0.149	0					2.21
31.667	0.00	0.04	0.149	0					2.21
31.750	0.00	0.04	0.149	0					2.21
31.833	0.00	0.04	0.148	0					2.20
31.917	0.00	0.04	0.148	0					2.20
32.000	0.00	0.04	0.148	0					2.20
32.083	0.00	0.04	0.147	0					2.19
32.167	0.00	0.04	0.147	0					2.19
32.250	0.00	0.04	0.147	0					2.19
32.333	0.00	0.04	0.147	0					2.19
32.417	0.00	0.04	0.146	0					2.18
32.500	0.00	0.04	0.146	0					2.18
32.583	0.00	0.04	0.146	0					2.18
32.667	0.00	0.04	0.145	0					2.17
32.750	0.00	0.04	0.145	0					2.17
32.833	0.00	0.04	0.145	0					2.17
32.917	0.00	0.04	0.145	0					2.16
33.000	0.00	0.04	0.144	0					2.16
33.083	0.00	0.04	0.144	0					2.16
33.167	0.00	0.04	0.144	0					2.16
33.250	0.00	0.04	0.144	0					2.15
33.333	0.00	0.04	0.143	0					2.15
33.417	0.00	0.04	0.143	0					2.15
33.500	0.00	0.04	0.143	0					2.14
33.583	0.00	0.04	0.142	0					2.14
33.667	0.00	0.04	0.142	0					2.14
33.750	0.00	0.04	0.142	0					2.14
33.833	0.00	0.04	0.142	0					2.13
33.917	0.00	0.04	0.141	0					2.13
34.000	0.00	0.04	0.141	0					2.13
34.083	0.00	0.04	0.141	0					2.12
34.167	0.00	0.04	0.140	0					2.12
34.250	0.00	0.04	0.140	0					2.12
34.333	0.00	0.04	0.140	0					2.11
34.417	0.00	0.04	0.140	0					2.11
34.500	0.00	0.04	0.139	0					2.11
34.583	0.00	0.04	0.139	0					2.11
34.667	0.00	0.04	0.139	0					2.10
34.750	0.00	0.04	0.139	0					2.10
34.833	0.00	0.04	0.138	0					2.10
34.917	0.00	0.04	0.138	0					2.09
35.000	0.00	0.04	0.138	0					2.09
35.083	0.00	0.04	0.137	0					2.09
35.167	0.00	0.04	0.137	0					2.09

35.250	0.00	0.04	0.137	0					2.08
35.333	0.00	0.04	0.137	0					2.08
35.417	0.00	0.04	0.136	0					2.08
35.500	0.00	0.04	0.136	0					2.07
35.583	0.00	0.04	0.136	0					2.07
35.667	0.00	0.04	0.136	0					2.07
35.750	0.00	0.04	0.135	0					2.07
35.833	0.00	0.04	0.135	0					2.06
35.917	0.00	0.04	0.135	0					2.06
36.000	0.00	0.04	0.134	0					2.06
36.083	0.00	0.04	0.134	0					2.05
36.167	0.00	0.04	0.134	0					2.05
36.250	0.00	0.04	0.134	0					2.05
36.333	0.00	0.04	0.133	0					2.05
36.417	0.00	0.04	0.133	0					2.04
36.500	0.00	0.04	0.133	0					2.04
36.583	0.00	0.04	0.133	0					2.04
36.667	0.00	0.04	0.132	0					2.03
36.750	0.00	0.04	0.132	0					2.03
36.833	0.00	0.04	0.132	0					2.03
36.917	0.00	0.04	0.131	0					2.03
37.000	0.00	0.04	0.131	0					2.02
37.083	0.00	0.04	0.131	0					2.02
37.167	0.00	0.04	0.131	0					2.02
37.250	0.00	0.04	0.130	0					2.01
37.333	0.00	0.04	0.130	0					2.01
37.417	0.00	0.04	0.130	0					2.01
37.500	0.00	0.04	0.130	0					2.01
37.583	0.00	0.04	0.129	0					2.00
37.667	0.00	0.04	0.129	0					2.00
37.750	0.00	0.04	0.129	0					2.00
37.833	0.00	0.04	0.128	0					1.99
37.917	0.00	0.04	0.128	0					1.99
38.000	0.00	0.04	0.128	0					1.99
38.083	0.00	0.04	0.128	0					1.98
38.167	0.00	0.04	0.127	0					1.98
38.250	0.00	0.04	0.127	0					1.98
38.333	0.00	0.04	0.127	0					1.97
38.417	0.00	0.04	0.127	0					1.97
38.500	0.00	0.04	0.126	0					1.97
38.583	0.00	0.04	0.126	0					1.96
38.667	0.00	0.04	0.126	0					1.96
38.750	0.00	0.04	0.126	0					1.96
38.833	0.00	0.04	0.125	0					1.95
38.917	0.00	0.04	0.125	0					1.95
39.000	0.00	0.04	0.125	0					1.95
39.083	0.00	0.04	0.124	0					1.94
39.167	0.00	0.04	0.124	0					1.94
39.250	0.00	0.04	0.124	0					1.94
39.333	0.00	0.04	0.124	0					1.93

39.417	0.00	0.04	0.123	0					1.93
39.500	0.00	0.04	0.123	0					1.93
39.583	0.00	0.04	0.123	0					1.92
39.667	0.00	0.04	0.123	0					1.92
39.750	0.00	0.04	0.122	0					1.92
39.833	0.00	0.04	0.122	0					1.91
39.917	0.00	0.04	0.122	0					1.91
40.000	0.00	0.04	0.122	0					1.91
40.083	0.00	0.04	0.121	0					1.90
40.167	0.00	0.04	0.121	0					1.90
40.250	0.00	0.04	0.121	0					1.90
40.333	0.00	0.04	0.121	0					1.89
40.417	0.00	0.04	0.120	0					1.89
40.500	0.00	0.04	0.120	0					1.89
40.583	0.00	0.04	0.120	0					1.88
40.667	0.00	0.04	0.120	0					1.88
40.750	0.00	0.04	0.119	0					1.88
40.833	0.00	0.04	0.119	0					1.87
40.917	0.00	0.04	0.119	0					1.87
41.000	0.00	0.04	0.118	0					1.87
41.083	0.00	0.04	0.118	0					1.87
41.167	0.00	0.04	0.118	0					1.86
41.250	0.00	0.04	0.118	0					1.86
41.333	0.00	0.04	0.117	0					1.86
41.417	0.00	0.04	0.117	0					1.85
41.500	0.00	0.04	0.117	0					1.85
41.583	0.00	0.04	0.117	0					1.85
41.667	0.00	0.04	0.116	0					1.84
41.750	0.00	0.04	0.116	0					1.84
41.833	0.00	0.04	0.116	0					1.84
41.917	0.00	0.04	0.116	0					1.83
42.000	0.00	0.04	0.115	0					1.83
42.083	0.00	0.04	0.115	0					1.83
42.167	0.00	0.04	0.115	0					1.82
42.250	0.00	0.04	0.115	0					1.82
42.333	0.00	0.04	0.114	0					1.82
42.417	0.00	0.04	0.114	0					1.81
42.500	0.00	0.04	0.114	0					1.81
42.583	0.00	0.04	0.114	0					1.81
42.667	0.00	0.04	0.113	0					1.80
42.750	0.00	0.04	0.113	0					1.80
42.833	0.00	0.04	0.113	0					1.80
42.917	0.00	0.04	0.113	0					1.79
43.000	0.00	0.04	0.112	0					1.79
43.083	0.00	0.04	0.112	0					1.79
43.167	0.00	0.04	0.112	0					1.79
43.250	0.00	0.04	0.112	0					1.78
43.333	0.00	0.04	0.111	0					1.78
43.417	0.00	0.04	0.111	0					1.78
43.500	0.00	0.04	0.111	0					1.77

43.583	0.00	0.04	0.111	0					1.77
43.667	0.00	0.04	0.110	0					1.77
43.750	0.00	0.04	0.110	0					1.76
43.833	0.00	0.04	0.110	0					1.76
43.917	0.00	0.04	0.110	0					1.76
44.000	0.00	0.04	0.109	0					1.75
44.083	0.00	0.04	0.109	0					1.75
44.167	0.00	0.04	0.109	0					1.75
44.250	0.00	0.04	0.109	0					1.74
44.333	0.00	0.04	0.108	0					1.74
44.417	0.00	0.04	0.108	0					1.74
44.500	0.00	0.04	0.108	0					1.74
44.583	0.00	0.04	0.108	0					1.73
44.667	0.00	0.04	0.107	0					1.73
44.750	0.00	0.04	0.107	0					1.73
44.833	0.00	0.04	0.107	0					1.72
44.917	0.00	0.04	0.107	0					1.72
45.000	0.00	0.04	0.106	0					1.72
45.083	0.00	0.04	0.106	0					1.71
45.167	0.00	0.04	0.106	0					1.71
45.250	0.00	0.04	0.106	0					1.71
45.333	0.00	0.04	0.105	0					1.70
45.417	0.00	0.04	0.105	0					1.70
45.500	0.00	0.04	0.105	0					1.70
45.583	0.00	0.04	0.105	0					1.70
45.667	0.00	0.04	0.104	0					1.69
45.750	0.00	0.04	0.104	0					1.69
45.833	0.00	0.04	0.104	0					1.69
45.917	0.00	0.04	0.104	0					1.68
46.000	0.00	0.04	0.103	0					1.68
46.083	0.00	0.04	0.103	0					1.68
46.167	0.00	0.04	0.103	0					1.67
46.250	0.00	0.04	0.103	0					1.67
46.333	0.00	0.04	0.102	0					1.67
46.417	0.00	0.04	0.102	0					1.66
46.500	0.00	0.04	0.102	0					1.66
46.583	0.00	0.04	0.102	0					1.66
46.667	0.00	0.04	0.101	0					1.66
46.750	0.00	0.04	0.101	0					1.65
46.833	0.00	0.04	0.101	0					1.65
46.917	0.00	0.04	0.101	0					1.65
47.000	0.00	0.04	0.100	0					1.64
47.083	0.00	0.04	0.100	0					1.64
47.167	0.00	0.04	0.100	0					1.64
47.250	0.00	0.03	0.100	0					1.63
47.333	0.00	0.03	0.100	0					1.63
47.417	0.00	0.03	0.099	0					1.63
47.500	0.00	0.03	0.099	0					1.63
47.583	0.00	0.03	0.099	0					1.62
47.667	0.00	0.03	0.099	0					1.62

47.750	0.00	0.03	0.098	0					1.62
47.833	0.00	0.03	0.098	0					1.61
47.917	0.00	0.03	0.098	0					1.61
48.000	0.00	0.03	0.098	0					1.61
48.083	0.00	0.03	0.097	0					1.60
48.167	0.00	0.03	0.097	0					1.60
48.250	0.00	0.03	0.097	0					1.60
48.333	0.00	0.03	0.097	0					1.60
48.417	0.00	0.03	0.096	0					1.59
48.500	0.00	0.03	0.096	0					1.59
48.583	0.00	0.03	0.096	0					1.59
48.667	0.00	0.03	0.096	0					1.58
48.750	0.00	0.03	0.095	0					1.58
48.833	0.00	0.03	0.095	0					1.58
48.917	0.00	0.03	0.095	0					1.57
49.000	0.00	0.03	0.095	0					1.57
49.083	0.00	0.03	0.095	0					1.57
49.167	0.00	0.03	0.094	0					1.57
49.250	0.00	0.03	0.094	0					1.56
49.333	0.00	0.03	0.094	0					1.56
49.417	0.00	0.03	0.094	0					1.56
49.500	0.00	0.03	0.093	0					1.55
49.583	0.00	0.03	0.093	0					1.55
49.667	0.00	0.03	0.093	0					1.55
49.750	0.00	0.03	0.093	0					1.55
49.833	0.00	0.03	0.092	0					1.54
49.917	0.00	0.03	0.092	0					1.54
50.000	0.00	0.03	0.092	0					1.54
50.083	0.00	0.03	0.092	0					1.53
50.167	0.00	0.03	0.091	0					1.53
50.250	0.00	0.03	0.091	0					1.53
50.333	0.00	0.03	0.091	0					1.52
50.417	0.00	0.03	0.091	0					1.52
50.500	0.00	0.03	0.091	0					1.52
50.583	0.00	0.03	0.090	0					1.52
50.667	0.00	0.03	0.090	0					1.51
50.750	0.00	0.03	0.090	0					1.51
50.833	0.00	0.03	0.090	0					1.51
50.917	0.00	0.03	0.089	0					1.50
51.000	0.00	0.03	0.089	0					1.50
51.083	0.00	0.03	0.089	0					1.50
51.167	0.00	0.03	0.089	0					1.50
51.250	0.00	0.03	0.088	0					1.49
51.333	0.00	0.03	0.088	0					1.49
51.417	0.00	0.03	0.088	0					1.49
51.500	0.00	0.03	0.088	0					1.48
51.583	0.00	0.03	0.088	0					1.48
51.667	0.00	0.03	0.087	0					1.48
51.750	0.00	0.03	0.087	0					1.48
51.833	0.00	0.03	0.087	0					1.47

51.917	0.00	0.03	0.087	0					1.47
52.000	0.00	0.03	0.086	0					1.47
52.083	0.00	0.03	0.086	0					1.46
52.167	0.00	0.03	0.086	0					1.46
52.250	0.00	0.03	0.086	0					1.46
52.333	0.00	0.03	0.085	0					1.46
52.417	0.00	0.03	0.085	0					1.45
52.500	0.00	0.03	0.085	0					1.45
52.583	0.00	0.03	0.085	0					1.45
52.667	0.00	0.03	0.085	0					1.44
52.750	0.00	0.03	0.084	0					1.44
52.833	0.00	0.03	0.084	0					1.44
52.917	0.00	0.03	0.084	0					1.44
53.000	0.00	0.03	0.084	0					1.43
53.083	0.00	0.03	0.083	0					1.43
53.167	0.00	0.03	0.083	0					1.43
53.250	0.00	0.03	0.083	0					1.42
53.333	0.00	0.03	0.083	0					1.42
53.417	0.00	0.03	0.083	0					1.42
53.500	0.00	0.03	0.082	0					1.42
53.583	0.00	0.03	0.082	0					1.41
53.667	0.00	0.03	0.082	0					1.41
53.750	0.00	0.03	0.082	0					1.41
53.833	0.00	0.03	0.081	0					1.41
53.917	0.00	0.03	0.081	0					1.40
54.000	0.00	0.03	0.081	0					1.40
54.083	0.00	0.03	0.081	0					1.40
54.167	0.00	0.03	0.081	0					1.39
54.250	0.00	0.03	0.080	0					1.39
54.333	0.00	0.03	0.080	0					1.39
54.417	0.00	0.03	0.080	0					1.39
54.500	0.00	0.03	0.080	0					1.38
54.583	0.00	0.03	0.079	0					1.38
54.667	0.00	0.03	0.079	0					1.38
54.750	0.00	0.03	0.079	0					1.37
54.833	0.00	0.03	0.079	0					1.37
54.917	0.00	0.03	0.079	0					1.37
55.000	0.00	0.03	0.078	0					1.37
55.083	0.00	0.03	0.078	0					1.36
55.167	0.00	0.03	0.078	0					1.36
55.250	0.00	0.03	0.078	0					1.36
55.333	0.00	0.03	0.077	0					1.36
55.417	0.00	0.03	0.077	0					1.35
55.500	0.00	0.03	0.077	0					1.35
55.583	0.00	0.03	0.077	0					1.35
55.667	0.00	0.03	0.077	0					1.34
55.750	0.00	0.03	0.076	0					1.34
55.833	0.00	0.03	0.076	0					1.34
55.917	0.00	0.03	0.076	0					1.34
56.000	0.00	0.03	0.076	0					1.33

56.083	0.00	0.03	0.075	0					1.33
56.167	0.00	0.03	0.075	0					1.33
56.250	0.00	0.03	0.075	0					1.33
56.333	0.00	0.03	0.075	0					1.32
56.417	0.00	0.03	0.075	0					1.32
56.500	0.00	0.03	0.074	0					1.32
56.583	0.00	0.03	0.074	0					1.31
56.667	0.00	0.03	0.074	0					1.31
56.750	0.00	0.03	0.074	0					1.31
56.833	0.00	0.03	0.074	0					1.31
56.917	0.00	0.03	0.073	0					1.30
57.000	0.00	0.03	0.073	0					1.30
57.083	0.00	0.03	0.073	0					1.30
57.167	0.00	0.03	0.073	0					1.30
57.250	0.00	0.03	0.072	0					1.29
57.333	0.00	0.03	0.072	0					1.29
57.417	0.00	0.03	0.072	0					1.29
57.500	0.00	0.03	0.072	0					1.28
57.583	0.00	0.03	0.072	0					1.28
57.667	0.00	0.03	0.071	0					1.28
57.750	0.00	0.03	0.071	0					1.28
57.833	0.00	0.03	0.071	0					1.27
57.917	0.00	0.03	0.071	0					1.27
58.000	0.00	0.03	0.071	0					1.27
58.083	0.00	0.03	0.070	0					1.27
58.167	0.00	0.03	0.070	0					1.26
58.250	0.00	0.03	0.070	0					1.26
58.333	0.00	0.03	0.070	0					1.26
58.417	0.00	0.03	0.069	0					1.26
58.500	0.00	0.03	0.069	0					1.25
58.583	0.00	0.03	0.069	0					1.25
58.667	0.00	0.03	0.069	0					1.25
58.750	0.00	0.03	0.069	0					1.24
58.833	0.00	0.03	0.068	0					1.24
58.917	0.00	0.03	0.068	0					1.24
59.000	0.00	0.03	0.068	0					1.24
59.083	0.00	0.03	0.068	0					1.23
59.167	0.00	0.03	0.068	0					1.23
59.250	0.00	0.03	0.067	0					1.23
59.333	0.00	0.03	0.067	0					1.23
59.417	0.00	0.03	0.067	0					1.22
59.500	0.00	0.03	0.067	0					1.22
59.583	0.00	0.03	0.066	0					1.22
59.667	0.00	0.03	0.066	0					1.22
59.750	0.00	0.03	0.066	0					1.21
59.833	0.00	0.03	0.066	0					1.21
59.917	0.00	0.03	0.066	0					1.21
60.000	0.00	0.03	0.065	0					1.21
60.083	0.00	0.03	0.065	0					1.20
60.167	0.00	0.03	0.065	0					1.20

60.250	0.00	0.03	0.065	0					1.20
60.333	0.00	0.03	0.065	0					1.20
60.417	0.00	0.03	0.064	0					1.19
60.500	0.00	0.03	0.064	0					1.19
60.583	0.00	0.03	0.064	0					1.19
60.667	0.00	0.03	0.064	0					1.18
60.750	0.00	0.03	0.064	0					1.18
60.833	0.00	0.03	0.063	0					1.18
60.917	0.00	0.03	0.063	0					1.18
61.000	0.00	0.03	0.063	0					1.17
61.083	0.00	0.03	0.063	0					1.17
61.167	0.00	0.03	0.063	0					1.17
61.250	0.00	0.03	0.062	0					1.17
61.333	0.00	0.03	0.062	0					1.16
61.417	0.00	0.03	0.062	0					1.16
61.500	0.00	0.03	0.062	0					1.16
61.583	0.00	0.03	0.062	0					1.16
61.667	0.00	0.03	0.061	0					1.15
61.750	0.00	0.03	0.061	0					1.15
61.833	0.00	0.03	0.061	0					1.15
61.917	0.00	0.03	0.061	0					1.15
62.000	0.00	0.03	0.060	0					1.14
62.083	0.00	0.03	0.060	0					1.14
62.167	0.00	0.03	0.060	0					1.14
62.250	0.00	0.03	0.060	0					1.14
62.333	0.00	0.03	0.060	0					1.13
62.417	0.00	0.03	0.059	0					1.13
62.500	0.00	0.03	0.059	0					1.13
62.583	0.00	0.03	0.059	0					1.13
62.667	0.00	0.03	0.059	0					1.12
62.750	0.00	0.03	0.059	0					1.12
62.833	0.00	0.03	0.058	0					1.12
62.917	0.00	0.03	0.058	0					1.12
63.000	0.00	0.03	0.058	0					1.11
63.083	0.00	0.03	0.058	0					1.11
63.167	0.00	0.03	0.058	0					1.11
63.250	0.00	0.03	0.057	0					1.11
63.333	0.00	0.03	0.057	0					1.10
63.417	0.00	0.03	0.057	0					1.10
63.500	0.00	0.03	0.057	0					1.10
63.583	0.00	0.03	0.057	0					1.10
63.667	0.00	0.03	0.056	0					1.09
63.750	0.00	0.03	0.056	0					1.09
63.833	0.00	0.03	0.056	0					1.09
63.917	0.00	0.03	0.056	0					1.09
64.000	0.00	0.03	0.056	0					1.08
64.083	0.00	0.03	0.055	0					1.08
64.167	0.00	0.03	0.055	0					1.08
64.250	0.00	0.03	0.055	0					1.08
64.333	0.00	0.03	0.055	0					1.07

64.417	0.00	0.03	0.055	0					1.07
64.500	0.00	0.03	0.054	0					1.07
64.583	0.00	0.03	0.054	0					1.07
64.667	0.00	0.03	0.054	0					1.06
64.750	0.00	0.03	0.054	0					1.06
64.833	0.00	0.03	0.054	0					1.06
64.917	0.00	0.03	0.053	0					1.06
65.000	0.00	0.03	0.053	0					1.05
65.083	0.00	0.03	0.053	0					1.05
65.167	0.00	0.03	0.053	0					1.05
65.250	0.00	0.03	0.053	0					1.05
65.333	0.00	0.03	0.053	0					1.04
65.417	0.00	0.03	0.052	0					1.04
65.500	0.00	0.03	0.052	0					1.04
65.583	0.00	0.03	0.052	0					1.04
65.667	0.00	0.03	0.052	0					1.03
65.750	0.00	0.03	0.052	0					1.03
65.833	0.00	0.03	0.051	0					1.03
65.917	0.00	0.03	0.051	0					1.03
66.000	0.00	0.03	0.051	0					1.02
66.083	0.00	0.03	0.051	0					1.02
66.167	0.00	0.03	0.051	0					1.02
66.250	0.00	0.03	0.050	0					1.02
66.333	0.00	0.03	0.050	0					1.01
66.417	0.00	0.03	0.050	0					1.01
66.500	0.00	0.03	0.050	0					1.01
66.583	0.00	0.03	0.050	0					1.01
66.667	0.00	0.03	0.049	0					1.00
66.750	0.00	0.03	0.049	0					1.00
66.833	0.00	0.03	0.049	0					1.00
66.917	0.00	0.03	0.049	0					1.00
67.000	0.00	0.03	0.049	0					0.99
67.083	0.00	0.03	0.048	0					0.99
67.167	0.00	0.03	0.048	0					0.99
67.250	0.00	0.03	0.048	0					0.98
67.333	0.00	0.03	0.048	0					0.98
67.417	0.00	0.03	0.048	0					0.97
67.500	0.00	0.03	0.047	0					0.97
67.583	0.00	0.03	0.047	0					0.97
67.667	0.00	0.03	0.047	0					0.96
67.750	0.00	0.03	0.047	0					0.96
67.833	0.00	0.03	0.047	0					0.96
67.917	0.00	0.03	0.047	0					0.95
68.000	0.00	0.03	0.046	0					0.95
68.083	0.00	0.03	0.046	0					0.95
68.167	0.00	0.03	0.046	0					0.94
68.250	0.00	0.03	0.046	0					0.94
68.333	0.00	0.03	0.046	0					0.94
68.417	0.00	0.03	0.045	0					0.93
68.500	0.00	0.03	0.045	0					0.93

68.583	0.00	0.03	0.045	0					0.93
68.667	0.00	0.03	0.045	0					0.92
68.750	0.00	0.03	0.045	0					0.92
68.833	0.00	0.03	0.045	0					0.91
68.917	0.00	0.03	0.044	0					0.91
69.000	0.00	0.03	0.044	0					0.91
69.083	0.00	0.03	0.044	0					0.90
69.167	0.00	0.03	0.044	0					0.90
69.250	0.00	0.03	0.044	0					0.90
69.333	0.00	0.03	0.043	0					0.89
69.417	0.00	0.03	0.043	0					0.89
69.500	0.00	0.03	0.043	0					0.89
69.583	0.00	0.03	0.043	0					0.88
69.667	0.00	0.03	0.043	0					0.88
69.750	0.00	0.03	0.043	0					0.88
69.833	0.00	0.02	0.042	0					0.87
69.917	0.00	0.02	0.042	0					0.87
70.000	0.00	0.02	0.042	0					0.87
70.083	0.00	0.02	0.042	0					0.86
70.167	0.00	0.02	0.042	0					0.86
70.250	0.00	0.02	0.042	0					0.86
70.333	0.00	0.02	0.041	0					0.85
70.417	0.00	0.02	0.041	0					0.85
70.500	0.00	0.02	0.041	0					0.85
70.583	0.00	0.02	0.041	0					0.85
70.667	0.00	0.02	0.041	0					0.84
70.750	0.00	0.02	0.041	0					0.84
70.833	0.00	0.02	0.040	0					0.84
70.917	0.00	0.02	0.040	0					0.83
71.000	0.00	0.02	0.040	0					0.83
71.083	0.00	0.02	0.040	0					0.83
71.167	0.00	0.02	0.040	0					0.82
71.250	0.00	0.02	0.040	0					0.82
71.333	0.00	0.02	0.039	0					0.82
71.417	0.00	0.02	0.039	0					0.81
71.500	0.00	0.02	0.039	0					0.81
71.583	0.00	0.02	0.039	0					0.81
71.667	0.00	0.02	0.039	0					0.80
71.750	0.00	0.02	0.039	0					0.80
71.833	0.00	0.02	0.038	0					0.80
71.917	0.00	0.02	0.038	0					0.80
72.000	0.00	0.02	0.038	0					0.79
72.083	0.00	0.02	0.038	0					0.79
72.167	0.00	0.02	0.038	0					0.79
72.250	0.00	0.02	0.038	0					0.78
72.333	0.00	0.02	0.038	0					0.78
72.417	0.00	0.02	0.037	0					0.78
72.500	0.00	0.02	0.037	0					0.77
72.583	0.00	0.02	0.037	0					0.77
72.667	0.00	0.02	0.037	0					0.77

72.750	0.00	0.02	0.037	0					0.77
72.833	0.00	0.02	0.037	0					0.76
72.917	0.00	0.02	0.036	0					0.76
73.000	0.00	0.02	0.036	0					0.76
73.083	0.00	0.02	0.036	0					0.75
73.167	0.00	0.02	0.036	0					0.75
73.250	0.00	0.02	0.036	0					0.75
73.333	0.00	0.02	0.036	0					0.75
73.417	0.00	0.02	0.036	0					0.74
73.500	0.00	0.02	0.035	0					0.74
73.583	0.00	0.02	0.035	0					0.74
73.667	0.00	0.02	0.035	0					0.73
73.750	0.00	0.02	0.035	0					0.73
73.833	0.00	0.02	0.035	0					0.73
73.917	0.00	0.02	0.035	0					0.73
74.000	0.00	0.02	0.035	0					0.72
74.083	0.00	0.02	0.034	0					0.72
74.167	0.00	0.02	0.034	0					0.72
74.250	0.00	0.02	0.034	0					0.71
74.333	0.00	0.02	0.034	0					0.71
74.417	0.00	0.02	0.034	0					0.71
74.500	0.00	0.02	0.034	0					0.71
74.583	0.00	0.02	0.034	0					0.70
74.667	0.00	0.02	0.033	0					0.70
74.750	0.00	0.02	0.033	0					0.70
74.833	0.00	0.02	0.033	0					0.70
74.917	0.00	0.02	0.033	0					0.69
75.000	0.00	0.02	0.033	0					0.69
75.083	0.00	0.02	0.033	0					0.69
75.167	0.00	0.02	0.033	0					0.68
75.250	0.00	0.02	0.032	0					0.68
75.333	0.00	0.02	0.032	0					0.68
75.417	0.00	0.02	0.032	0					0.68
75.500	0.00	0.02	0.032	0					0.67
75.583	0.00	0.02	0.032	0					0.67
75.667	0.00	0.02	0.032	0					0.67
75.750	0.00	0.02	0.032	0					0.67
75.833	0.00	0.02	0.031	0					0.66
75.917	0.00	0.02	0.031	0					0.66
76.000	0.00	0.02	0.031	0					0.66
76.083	0.00	0.02	0.031	0					0.66
76.167	0.00	0.02	0.031	0					0.65
76.250	0.00	0.02	0.031	0					0.65
76.333	0.00	0.02	0.031	0					0.65
76.417	0.00	0.02	0.030	0					0.65
76.500	0.00	0.02	0.030	0					0.64
76.583	0.00	0.02	0.030	0					0.64
76.667	0.00	0.02	0.030	0					0.64
76.750	0.00	0.02	0.030	0					0.64
76.833	0.00	0.02	0.030	0					0.63

76.917	0.00	0.02	0.030	0					0.63
77.000	0.00	0.02	0.030	0					0.63
77.083	0.00	0.02	0.029	0					0.63
77.167	0.00	0.02	0.029	0					0.62
77.250	0.00	0.02	0.029	0					0.62
77.333	0.00	0.02	0.029	0					0.62
77.417	0.00	0.02	0.029	0					0.62
77.500	0.00	0.02	0.029	0					0.61
77.583	0.00	0.02	0.029	0					0.61
77.667	0.00	0.02	0.029	0					0.61
77.750	0.00	0.02	0.028	0					0.61
77.833	0.00	0.02	0.028	0					0.60
77.917	0.00	0.02	0.028	0					0.60
78.000	0.00	0.02	0.028	0					0.60
78.083	0.00	0.02	0.028	0					0.60
78.167	0.00	0.02	0.028	0					0.59
78.250	0.00	0.02	0.028	0					0.59
78.333	0.00	0.02	0.028	0					0.59
78.417	0.00	0.02	0.027	0					0.59
78.500	0.00	0.02	0.027	0					0.58
78.583	0.00	0.02	0.027	0					0.58
78.667	0.00	0.02	0.027	0					0.58
78.750	0.00	0.02	0.027	0					0.58
78.833	0.00	0.02	0.027	0					0.57
78.917	0.00	0.02	0.027	0					0.57
79.000	0.00	0.02	0.027	0					0.57
79.083	0.00	0.02	0.026	0					0.57
79.167	0.00	0.02	0.026	0					0.57
79.250	0.00	0.02	0.026	0					0.56
79.333	0.00	0.02	0.026	0					0.56
79.417	0.00	0.02	0.026	0					0.56
79.500	0.00	0.02	0.026	0					0.56
79.583	0.00	0.02	0.026	0					0.55
79.667	0.00	0.02	0.026	0					0.55
79.750	0.00	0.02	0.025	0					0.55
79.833	0.00	0.02	0.025	0					0.55
79.917	0.00	0.02	0.025	0					0.55
80.000	0.00	0.02	0.025	0					0.54
80.083	0.00	0.02	0.025	0					0.54
80.167	0.00	0.02	0.025	0					0.54
80.250	0.00	0.02	0.025	0					0.54
80.333	0.00	0.02	0.025	0					0.53
80.417	0.00	0.02	0.025	0					0.53
80.500	0.00	0.02	0.024	0					0.53
80.583	0.00	0.02	0.024	0					0.53
80.667	0.00	0.02	0.024	0					0.53
80.750	0.00	0.02	0.024	0					0.52
80.833	0.00	0.02	0.024	0					0.52
80.917	0.00	0.02	0.024	0					0.52
81.000	0.00	0.02	0.024	0					0.52

81.083	0.00	0.02	0.024	0					0.51
81.167	0.00	0.02	0.024	0					0.51
81.250	0.00	0.02	0.023	0					0.51
81.333	0.00	0.02	0.023	0					0.51
81.417	0.00	0.02	0.023	0					0.51
81.500	0.00	0.02	0.023	0					0.50
81.583	0.00	0.02	0.023	0					0.50
81.667	0.00	0.02	0.023	0					0.50
81.750	0.00	0.02	0.023	0					0.50
81.833	0.00	0.02	0.023	0					0.50
81.917	0.00	0.02	0.023	0					0.49
82.000	0.00	0.02	0.022	0					0.49
82.083	0.00	0.02	0.022	0					0.49
82.167	0.00	0.02	0.022	0					0.49
82.250	0.00	0.02	0.022	0					0.49
82.333	0.00	0.02	0.022	0					0.48
82.417	0.00	0.02	0.022	0					0.48
82.500	0.00	0.02	0.022	0					0.48
82.583	0.00	0.02	0.022	0					0.48
82.667	0.00	0.02	0.022	0					0.48
82.750	0.00	0.02	0.021	0					0.47
82.833	0.00	0.02	0.021	0					0.47
82.917	0.00	0.02	0.021	0					0.47
83.000	0.00	0.01	0.021	0					0.47
83.083	0.00	0.01	0.021	0					0.47
83.167	0.00	0.01	0.021	0					0.46
83.250	0.00	0.01	0.021	0					0.46
83.333	0.00	0.01	0.021	0					0.46
83.417	0.00	0.01	0.021	0					0.46
83.500	0.00	0.01	0.021	0					0.46
83.583	0.00	0.01	0.020	0					0.45
83.667	0.00	0.01	0.020	0					0.45
83.750	0.00	0.01	0.020	0					0.45
83.833	0.00	0.01	0.020	0					0.45
83.917	0.00	0.01	0.020	0					0.45
84.000	0.00	0.01	0.020	0					0.44
84.083	0.00	0.01	0.020	0					0.44
84.167	0.00	0.01	0.020	0					0.44
84.250	0.00	0.01	0.020	0					0.44
84.333	0.00	0.01	0.020	0					0.44
84.417	0.00	0.01	0.019	0					0.43
84.500	0.00	0.01	0.019	0					0.43
84.583	0.00	0.01	0.019	0					0.43
84.667	0.00	0.01	0.019	0					0.43
84.750	0.00	0.01	0.019	0					0.43
84.833	0.00	0.01	0.019	0					0.43
84.917	0.00	0.01	0.019	0					0.42
85.000	0.00	0.01	0.019	0					0.42
85.083	0.00	0.01	0.019	0					0.42
85.167	0.00	0.01	0.019	0					0.42

85.250	0.00	0.01	0.019	0					0.42
85.333	0.00	0.01	0.018	0					0.41
85.417	0.00	0.01	0.018	0					0.41
85.500	0.00	0.01	0.018	0					0.41
85.583	0.00	0.01	0.018	0					0.41
85.667	0.00	0.01	0.018	0					0.41
85.750	0.00	0.01	0.018	0					0.41
85.833	0.00	0.01	0.018	0					0.40
85.917	0.00	0.01	0.018	0					0.40
86.000	0.00	0.01	0.018	0					0.40
86.083	0.00	0.01	0.018	0					0.40
86.167	0.00	0.01	0.017	0					0.40
86.250	0.00	0.01	0.017	0					0.40
86.333	0.00	0.01	0.017	0					0.39
86.417	0.00	0.01	0.017	0					0.39
86.500	0.00	0.01	0.017	0					0.39
86.583	0.00	0.01	0.017	0					0.39
86.667	0.00	0.01	0.017	0					0.39
86.750	0.00	0.01	0.017	0					0.38
86.833	0.00	0.01	0.017	0					0.38
86.917	0.00	0.01	0.017	0					0.38
87.000	0.00	0.01	0.017	0					0.38
87.083	0.00	0.01	0.017	0					0.38
87.167	0.00	0.01	0.016	0					0.38
87.250	0.00	0.01	0.016	0					0.37
87.333	0.00	0.01	0.016	0					0.37
87.417	0.00	0.01	0.016	0					0.37
87.500	0.00	0.01	0.016	0					0.37
87.583	0.00	0.01	0.016	0					0.37
87.667	0.00	0.01	0.016	0					0.37
87.750	0.00	0.01	0.016	0					0.36
87.833	0.00	0.01	0.016	0					0.36
87.917	0.00	0.01	0.016	0					0.36
88.000	0.00	0.01	0.016	0					0.36
88.083	0.00	0.01	0.015	0					0.36
88.167	0.00	0.01	0.015	0					0.36
88.250	0.00	0.01	0.015	0					0.35
88.333	0.00	0.01	0.015	0					0.35
88.417	0.00	0.01	0.015	0					0.35
88.500	0.00	0.01	0.015	0					0.35
88.583	0.00	0.01	0.015	0					0.35
88.667	0.00	0.01	0.015	0					0.35
88.750	0.00	0.01	0.015	0					0.35
88.833	0.00	0.01	0.015	0					0.34
88.917	0.00	0.01	0.015	0					0.34
89.000	0.00	0.01	0.015	0					0.34
89.083	0.00	0.01	0.014	0					0.34
89.167	0.00	0.01	0.014	0					0.34
89.250	0.00	0.01	0.014	0					0.34
89.333	0.00	0.01	0.014	0					0.33

89.417	0.00	0.01	0.014	0					0.33
89.500	0.00	0.01	0.014	0					0.33
89.583	0.00	0.01	0.014	0					0.33
89.667	0.00	0.01	0.014	0					0.33
89.750	0.00	0.01	0.014	0					0.33
89.833	0.00	0.01	0.014	0					0.33
89.917	0.00	0.01	0.014	0					0.32
90.000	0.00	0.01	0.014	0					0.32
90.083	0.00	0.01	0.014	0					0.32
90.167	0.00	0.01	0.013	0					0.32
90.250	0.00	0.01	0.013	0					0.32
90.333	0.00	0.01	0.013	0					0.32
90.417	0.00	0.01	0.013	0					0.31
90.500	0.00	0.01	0.013	0					0.31
90.583	0.00	0.01	0.013	0					0.31
90.667	0.00	0.01	0.013	0					0.31
90.750	0.00	0.01	0.013	0					0.31
90.833	0.00	0.01	0.013	0					0.31
90.917	0.00	0.01	0.013	0					0.31
91.000	0.00	0.01	0.013	0					0.30
91.083	0.00	0.01	0.013	0					0.30
91.167	0.00	0.01	0.013	0					0.30
91.250	0.00	0.01	0.012	0					0.30
91.333	0.00	0.01	0.012	0					0.30
91.417	0.00	0.01	0.012	0					0.30
91.500	0.00	0.01	0.012	0					0.30
91.583	0.00	0.01	0.012	0					0.29
91.667	0.00	0.01	0.012	0					0.29
91.750	0.00	0.01	0.012	0					0.29
91.833	0.00	0.01	0.012	0					0.29
91.917	0.00	0.01	0.012	0					0.29
92.000	0.00	0.01	0.012	0					0.29
92.083	0.00	0.01	0.012	0					0.29
92.167	0.00	0.01	0.012	0					0.28
92.250	0.00	0.01	0.012	0					0.28
92.333	0.00	0.01	0.011	0					0.28
92.417	0.00	0.01	0.011	0					0.28
92.500	0.00	0.01	0.011	0					0.28
92.583	0.00	0.01	0.011	0					0.28
92.667	0.00	0.01	0.011	0					0.28
92.750	0.00	0.01	0.011	0					0.27
92.833	0.00	0.01	0.011	0					0.27
92.917	0.00	0.01	0.011	0					0.27
93.000	0.00	0.01	0.011	0					0.27
93.083	0.00	0.01	0.011	0					0.27
93.167	0.00	0.01	0.011	0					0.27
93.250	0.00	0.01	0.011	0					0.27
93.333	0.00	0.01	0.011	0					0.27
93.417	0.00	0.01	0.011	0					0.26
93.500	0.00	0.01	0.011	0					0.26

93.583	0.00	0.01	0.010	0					0.26
93.667	0.00	0.01	0.010	0					0.26
93.750	0.00	0.01	0.010	0					0.26
93.833	0.00	0.01	0.010	0					0.26
93.917	0.00	0.01	0.010	0					0.26
94.000	0.00	0.01	0.010	0					0.26
94.083	0.00	0.01	0.010	0					0.25
94.167	0.00	0.01	0.010	0					0.25
94.250	0.00	0.01	0.010	0					0.25
94.333	0.00	0.01	0.010	0					0.25
94.417	0.00	0.01	0.010	0					0.25
94.500	0.00	0.01	0.010	0					0.25
94.583	0.00	0.01	0.010	0					0.25
94.667	0.00	0.01	0.010	0					0.24
94.750	0.00	0.01	0.009	0					0.24
94.833	0.00	0.01	0.009	0					0.24
94.917	0.00	0.01	0.009	0					0.24
95.000	0.00	0.01	0.009	0					0.24
95.083	0.00	0.01	0.009	0					0.24
95.167	0.00	0.01	0.009	0					0.24
95.250	0.00	0.01	0.009	0					0.24
95.333	0.00	0.01	0.009	0					0.23
95.417	0.00	0.01	0.009	0					0.23
95.500	0.00	0.01	0.009	0					0.23
95.583	0.00	0.01	0.009	0					0.23
95.667	0.00	0.01	0.009	0					0.23
95.750	0.00	0.01	0.009	0					0.23
95.833	0.00	0.01	0.009	0					0.23
95.917	0.00	0.01	0.009	0					0.23
96.000	0.00	0.01	0.009	0					0.23
96.083	0.00	0.01	0.008	0					0.22
96.167	0.00	0.01	0.008	0					0.22
96.250	0.00	0.01	0.008	0					0.22
96.333	0.00	0.01	0.008	0					0.22
96.417	0.00	0.01	0.008	0					0.22
96.500	0.00	0.01	0.008	0					0.22
96.583	0.00	0.01	0.008	0					0.22
96.667	0.00	0.01	0.008	0					0.22
96.750	0.00	0.01	0.008	0					0.21
96.833	0.00	0.01	0.008	0					0.21
96.917	0.00	0.01	0.008	0					0.21
97.000	0.00	0.01	0.008	0					0.21
97.083	0.00	0.01	0.008	0					0.21
97.167	0.00	0.01	0.008	0					0.21
97.250	0.00	0.01	0.008	0					0.21
97.333	0.00	0.01	0.008	0					0.21
97.417	0.00	0.01	0.008	0					0.21
97.500	0.00	0.01	0.007	0					0.20
97.583	0.00	0.01	0.007	0					0.20
97.667	0.00	0.01	0.007	0					0.20

97.750	0.00	0.01	0.007	0					0.20
97.833	0.00	0.01	0.007	0					0.20
97.917	0.00	0.01	0.007	0					0.20
98.000	0.00	0.01	0.007	0					0.20
98.083	0.00	0.01	0.007	0					0.20
98.167	0.00	0.01	0.007	0					0.20
98.250	0.00	0.01	0.007	0					0.19
98.333	0.00	0.01	0.007	0					0.19
98.417	0.00	0.01	0.007	0					0.19
98.500	0.00	0.01	0.007	0					0.19
98.583	0.00	0.01	0.007	0					0.19
98.667	0.00	0.01	0.007	0					0.19
98.750	0.00	0.01	0.007	0					0.19
98.833	0.00	0.01	0.007	0					0.19
98.917	0.00	0.01	0.006	0					0.19
99.000	0.00	0.01	0.006	0					0.18
99.083	0.00	0.01	0.006	0					0.18
99.167	0.00	0.01	0.006	0					0.18
99.250	0.00	0.01	0.006	0					0.18
99.333	0.00	0.01	0.006	0					0.18
99.417	0.00	0.01	0.006	0					0.18
99.500	0.00	0.01	0.006	0					0.18
99.583	0.00	0.01	0.006	0					0.18
99.667	0.00	0.01	0.006	0					0.18
99.750	0.00	0.01	0.006	0					0.18
99.833	0.00	0.01	0.006	0					0.17
99.917	0.00	0.01	0.006	0					0.17
100.000	0.00	0.01	0.006	0					0.17
100.083	0.00	0.01	0.006	0					0.17
100.167	0.00	0.01	0.006	0					0.17
100.250	0.00	0.01	0.006	0					0.17
100.333	0.00	0.01	0.006	0					0.17
100.417	0.00	0.01	0.005	0					0.17
100.500	0.00	0.01	0.005	0					0.17
100.583	0.00	0.01	0.005	0					0.16
100.667	0.00	0.01	0.005	0					0.16
100.750	0.00	0.01	0.005	0					0.16
100.833	0.00	0.01	0.005	0					0.16
100.917	0.00	0.01	0.005	0					0.16
101.000	0.00	0.01	0.005	0					0.16
101.083	0.00	0.01	0.005	0					0.16
101.167	0.00	0.01	0.005	0					0.16
101.250	0.00	0.01	0.005	0					0.16
101.333	0.00	0.01	0.005	0					0.16
101.417	0.00	0.01	0.005	0					0.16
101.500	0.00	0.01	0.005	0					0.15
101.583	0.00	0.01	0.005	0					0.15
101.667	0.00	0.01	0.005	0					0.15
101.750	0.00	0.01	0.005	0					0.15
101.833	0.00	0.01	0.005	0					0.15

101.917	0.00	0.01	0.005	0					0.15
102.000	0.00	0.01	0.005	0					0.15
102.083	0.00	0.01	0.004	0					0.15
102.167	0.00	0.01	0.004	0					0.15
102.250	0.00	0.01	0.004	0					0.15
102.333	0.00	0.01	0.004	0					0.14
102.417	0.00	0.01	0.004	0					0.14
102.500	0.00	0.01	0.004	0					0.14
102.583	0.00	0.01	0.004	0					0.14
102.667	0.00	0.01	0.004	0					0.14
102.750	0.00	0.01	0.004	0					0.14
102.833	0.00	0.01	0.004	0					0.14
102.917	0.00	0.01	0.004	0					0.14
103.000	0.00	0.01	0.004	0					0.14
103.083	0.00	0.01	0.004	0					0.14
103.167	0.00	0.01	0.004	0					0.14
103.250	0.00	0.01	0.004	0					0.13
103.333	0.00	0.01	0.004	0					0.13
103.417	0.00	0.01	0.004	0					0.13
103.500	0.00	0.01	0.004	0					0.13
103.583	0.00	0.01	0.004	0					0.13
103.667	0.00	0.01	0.004	0					0.13
103.750	0.00	0.01	0.004	0					0.13
103.833	0.00	0.01	0.003	0					0.13
103.917	0.00	0.01	0.003	0					0.13
104.000	0.00	0.01	0.003	0					0.13
104.083	0.00	0.01	0.003	0					0.13
104.167	0.00	0.01	0.003	0					0.12
104.250	0.00	0.01	0.003	0					0.12
104.333	0.00	0.01	0.003	0					0.12
104.417	0.00	0.01	0.003	0					0.12
104.500	0.00	0.01	0.003	0					0.12
104.583	0.00	0.01	0.003	0					0.12
104.667	0.00	0.01	0.003	0					0.12
104.750	0.00	0.01	0.003	0					0.12
104.833	0.00	0.01	0.003	0					0.12
104.917	0.00	0.01	0.003	0					0.12
105.000	0.00	0.01	0.003	0					0.12
105.083	0.00	0.01	0.003	0					0.12
105.167	0.00	0.01	0.003	0					0.11
105.250	0.00	0.01	0.003	0					0.11
105.333	0.00	0.01	0.003	0					0.11
105.417	0.00	0.01	0.003	0					0.11
105.500	0.00	0.01	0.003	0					0.11
105.583	0.00	0.01	0.003	0					0.11
105.667	0.00	0.01	0.002	0					0.11
105.750	0.00	0.01	0.002	0					0.11
105.833	0.00	0.01	0.002	0					0.11
105.917	0.00	0.01	0.002	0					0.11
106.000	0.00	0.01	0.002	0					0.11

106.083	0.00	0.01	0.002	0					0.11
106.167	0.00	0.01	0.002	0					0.10
106.250	0.00	0.01	0.002	0					0.10
106.333	0.00	0.01	0.002	0					0.10
106.417	0.00	0.01	0.002	0					0.10
106.500	0.00	0.01	0.002	0					0.10
106.583	0.00	0.01	0.002	0					0.10
106.667	0.00	0.01	0.002	0					0.10
106.750	0.00	0.01	0.002	0					0.10
106.833	0.00	0.01	0.002	0					0.10
106.917	0.00	0.01	0.002	0					0.09
107.000	0.00	0.01	0.002	0					0.09
107.083	0.00	0.01	0.002	0					0.09
107.167	0.00	0.01	0.002	0					0.09
107.250	0.00	0.01	0.002	0					0.09
107.333	0.00	0.01	0.002	0					0.08
107.417	0.00	0.00	0.002	0					0.08
107.500	0.00	0.00	0.002	0					0.08
107.583	0.00	0.00	0.002	0					0.08
107.667	0.00	0.00	0.002	0					0.08
107.750	0.00	0.00	0.002	0					0.08
107.833	0.00	0.00	0.001	0					0.07
107.917	0.00	0.00	0.001	0					0.07
108.000	0.00	0.00	0.001	0					0.07
108.083	0.00	0.00	0.001	0					0.07
108.167	0.00	0.00	0.001	0					0.07
108.250	0.00	0.00	0.001	0					0.07
108.333	0.00	0.00	0.001	0					0.07
108.417	0.00	0.00	0.001	0					0.06
108.500	0.00	0.00	0.001	0					0.06
108.583	0.00	0.00	0.001	0					0.06
108.667	0.00	0.00	0.001	0					0.06
108.750	0.00	0.00	0.001	0					0.06
108.833	0.00	0.00	0.001	0					0.06
108.917	0.00	0.00	0.001	0					0.06
109.000	0.00	0.00	0.001	0					0.06
109.083	0.00	0.00	0.001	0					0.05
109.167	0.00	0.00	0.001	0					0.05
109.250	0.00	0.00	0.001	0					0.05
109.333	0.00	0.00	0.001	0					0.05
109.417	0.00	0.00	0.001	0					0.05
109.500	0.00	0.00	0.001	0					0.05
109.583	0.00	0.00	0.001	0					0.05
109.667	0.00	0.00	0.001	0					0.05
109.750	0.00	0.00	0.001	0					0.05
109.833	0.00	0.00	0.001	0					0.05
109.917	0.00	0.00	0.001	0					0.04
110.000	0.00	0.00	0.001	0					0.04
110.083	0.00	0.00	0.001	0					0.04
110.167	0.00	0.00	0.001	0					0.04

110.250	0.00	0.00	0.001	0					0.04
110.333	0.00	0.00	0.001	0					0.04
110.417	0.00	0.00	0.001	0					0.04
110.500	0.00	0.00	0.001	0					0.04
110.583	0.00	0.00	0.001	0					0.04
110.667	0.00	0.00	0.001	0					0.04
110.750	0.00	0.00	0.001	0					0.04
110.833	0.00	0.00	0.001	0					0.04
110.917	0.00	0.00	0.001	0					0.03
111.000	0.00	0.00	0.001	0					0.03
111.083	0.00	0.00	0.001	0					0.03
111.167	0.00	0.00	0.001	0					0.03
111.250	0.00	0.00	0.001	0					0.03
111.333	0.00	0.00	0.001	0					0.03
111.417	0.00	0.00	0.001	0					0.03
111.500	0.00	0.00	0.001	0					0.03
111.583	0.00	0.00	0.001	0					0.03
111.667	0.00	0.00	0.001	0					0.03
111.750	0.00	0.00	0.001	0					0.03
111.833	0.00	0.00	0.001	0					0.03
111.917	0.00	0.00	0.001	0					0.03
112.000	0.00	0.00	0.001	0					0.03
112.083	0.00	0.00	0.001	0					0.03
112.167	0.00	0.00	0.001	0					0.03
112.250	0.00	0.00	0.000	0					0.02
112.333	0.00	0.00	0.000	0					0.02
112.417	0.00	0.00	0.000	0					0.02
112.500	0.00	0.00	0.000	0					0.02
112.583	0.00	0.00	0.000	0					0.02
112.667	0.00	0.00	0.000	0					0.02
112.750	0.00	0.00	0.000	0					0.02
112.833	0.00	0.00	0.000	0					0.02
112.917	0.00	0.00	0.000	0					0.02
113.000	0.00	0.00	0.000	0					0.02
113.083	0.00	0.00	0.000	0					0.02
113.167	0.00	0.00	0.000	0					0.02
113.250	0.00	0.00	0.000	0					0.02
113.333	0.00	0.00	0.000	0					0.02
113.417	0.00	0.00	0.000	0					0.02
113.500	0.00	0.00	0.000	0					0.02
113.583	0.00	0.00	0.000	0					0.02
113.667	0.00	0.00	0.000	0					0.02
113.750	0.00	0.00	0.000	0					0.02
113.833	0.00	0.00	0.000	0					0.02
113.917	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1367

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.051 (CFS)

Total volume = 0.264 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
10 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da2110.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.850 (CFS)
Total volume = 0.174 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.5	2.93	4.39	5.85	Depth (Ft.)
0.083	0.49	0.01	0.002	O I					0.08
0.167	0.85	0.01	0.006	O I					0.18
0.250	1.04	0.01	0.013	O I					0.31
0.333	1.12	0.01	0.020	O I					0.45
0.417	1.26	0.02	0.028	O I					0.60
0.500	1.46	0.02	0.037	O I					0.78
0.583	1.70	0.03	0.048	O I					0.98
0.667	2.00	0.03	0.061	O I					1.14
0.750	2.74	0.03	0.077	O I		I			1.35
0.833	5.85	0.04	0.106	O I				I	1.71
0.917	4.25	0.04	0.141	O I			I		2.12
1.000	1.83	0.04	0.161	O I	I				2.34
1.083	0.55	0.04	0.169	O I					2.42
1.167	0.08	0.04	0.171	O I					2.44
1.250	0.00	0.04	0.171	O I					2.44
1.333	0.00	0.04	0.171	O I					2.44
1.417	0.00	0.04	0.170	O I					2.44
1.500	0.00	0.04	0.170	O I					2.43
1.583	0.00	0.04	0.170	O I					2.43
1.667	0.00	0.04	0.170	O I					2.43
1.750	0.00	0.04	0.169	O I					2.42
1.833	0.00	0.04	0.169	O I					2.42

1.917	0.00	0.04	0.169	0					2.42
2.000	0.00	0.04	0.168	0					2.41
2.083	0.00	0.04	0.168	0					2.41
2.167	0.00	0.04	0.168	0					2.41
2.250	0.00	0.04	0.167	0					2.41
2.333	0.00	0.04	0.167	0					2.40
2.417	0.00	0.04	0.167	0					2.40
2.500	0.00	0.04	0.167	0					2.40
2.583	0.00	0.04	0.166	0					2.39
2.667	0.00	0.04	0.166	0					2.39
2.750	0.00	0.04	0.166	0					2.39
2.833	0.00	0.04	0.165	0					2.38
2.917	0.00	0.04	0.165	0					2.38
3.000	0.00	0.04	0.165	0					2.38
3.083	0.00	0.04	0.165	0					2.37
3.167	0.00	0.04	0.164	0					2.37
3.250	0.00	0.04	0.164	0					2.37
3.333	0.00	0.04	0.164	0					2.37
3.417	0.00	0.04	0.163	0					2.36
3.500	0.00	0.04	0.163	0					2.36
3.583	0.00	0.04	0.163	0					2.36
3.667	0.00	0.04	0.163	0					2.35
3.750	0.00	0.04	0.162	0					2.35
3.833	0.00	0.04	0.162	0					2.35
3.917	0.00	0.04	0.162	0					2.34
4.000	0.00	0.04	0.161	0					2.34
4.083	0.00	0.04	0.161	0					2.34
4.167	0.00	0.04	0.161	0					2.33
4.250	0.00	0.04	0.160	0					2.33
4.333	0.00	0.04	0.160	0					2.33
4.417	0.00	0.04	0.160	0					2.33
4.500	0.00	0.04	0.160	0					2.32
4.583	0.00	0.04	0.159	0					2.32
4.667	0.00	0.04	0.159	0					2.32
4.750	0.00	0.04	0.159	0					2.31
4.833	0.00	0.04	0.158	0					2.31
4.917	0.00	0.04	0.158	0					2.31
5.000	0.00	0.04	0.158	0					2.30
5.083	0.00	0.04	0.158	0					2.30
5.167	0.00	0.04	0.157	0					2.30
5.250	0.00	0.04	0.157	0					2.30
5.333	0.00	0.04	0.157	0					2.29
5.417	0.00	0.04	0.156	0					2.29
5.500	0.00	0.04	0.156	0					2.29
5.583	0.00	0.04	0.156	0					2.28
5.667	0.00	0.04	0.156	0					2.28
5.750	0.00	0.04	0.155	0					2.28
5.833	0.00	0.04	0.155	0					2.27
5.917	0.00	0.04	0.155	0					2.27
6.000	0.00	0.04	0.154	0					2.27

6.083	0.00	0.04	0.154	0					2.27
6.167	0.00	0.04	0.154	0					2.26
6.250	0.00	0.04	0.154	0					2.26
6.333	0.00	0.04	0.153	0					2.26
6.417	0.00	0.04	0.153	0					2.25
6.500	0.00	0.04	0.153	0					2.25
6.583	0.00	0.04	0.152	0					2.25
6.667	0.00	0.04	0.152	0					2.24
6.750	0.00	0.04	0.152	0					2.24
6.833	0.00	0.04	0.152	0					2.24
6.917	0.00	0.04	0.151	0					2.24
7.000	0.00	0.04	0.151	0					2.23
7.083	0.00	0.04	0.151	0					2.23
7.167	0.00	0.04	0.150	0					2.23
7.250	0.00	0.04	0.150	0					2.22
7.333	0.00	0.04	0.150	0					2.22
7.417	0.00	0.04	0.150	0					2.22
7.500	0.00	0.04	0.149	0					2.21
7.583	0.00	0.04	0.149	0					2.21
7.667	0.00	0.04	0.149	0					2.21
7.750	0.00	0.04	0.149	0					2.21
7.833	0.00	0.04	0.148	0					2.20
7.917	0.00	0.04	0.148	0					2.20
8.000	0.00	0.04	0.148	0					2.20
8.083	0.00	0.04	0.147	0					2.19
8.167	0.00	0.04	0.147	0					2.19
8.250	0.00	0.04	0.147	0					2.19
8.333	0.00	0.04	0.147	0					2.18
8.417	0.00	0.04	0.146	0					2.18
8.500	0.00	0.04	0.146	0					2.18
8.583	0.00	0.04	0.146	0					2.18
8.667	0.00	0.04	0.145	0					2.17
8.750	0.00	0.04	0.145	0					2.17
8.833	0.00	0.04	0.145	0					2.17
8.917	0.00	0.04	0.145	0					2.16
9.000	0.00	0.04	0.144	0					2.16
9.083	0.00	0.04	0.144	0					2.16
9.167	0.00	0.04	0.144	0					2.16
9.250	0.00	0.04	0.143	0					2.15
9.333	0.00	0.04	0.143	0					2.15
9.417	0.00	0.04	0.143	0					2.15
9.500	0.00	0.04	0.143	0					2.14
9.583	0.00	0.04	0.142	0					2.14
9.667	0.00	0.04	0.142	0					2.14
9.750	0.00	0.04	0.142	0					2.13
9.833	0.00	0.04	0.142	0					2.13
9.917	0.00	0.04	0.141	0					2.13
10.000	0.00	0.04	0.141	0					2.13
10.083	0.00	0.04	0.141	0					2.12
10.167	0.00	0.04	0.140	0					2.12

10.250	0.00	0.04	0.140	0					2.12
10.333	0.00	0.04	0.140	0					2.11
10.417	0.00	0.04	0.140	0					2.11
10.500	0.00	0.04	0.139	0					2.11
10.583	0.00	0.04	0.139	0					2.11
10.667	0.00	0.04	0.139	0					2.10
10.750	0.00	0.04	0.139	0					2.10
10.833	0.00	0.04	0.138	0					2.10
10.917	0.00	0.04	0.138	0					2.09
11.000	0.00	0.04	0.138	0					2.09
11.083	0.00	0.04	0.137	0					2.09
11.167	0.00	0.04	0.137	0					2.09
11.250	0.00	0.04	0.137	0					2.08
11.333	0.00	0.04	0.137	0					2.08
11.417	0.00	0.04	0.136	0					2.08
11.500	0.00	0.04	0.136	0					2.07
11.583	0.00	0.04	0.136	0					2.07
11.667	0.00	0.04	0.135	0					2.07
11.750	0.00	0.04	0.135	0					2.07
11.833	0.00	0.04	0.135	0					2.06
11.917	0.00	0.04	0.135	0					2.06
12.000	0.00	0.04	0.134	0					2.06
12.083	0.00	0.04	0.134	0					2.05
12.167	0.00	0.04	0.134	0					2.05
12.250	0.00	0.04	0.134	0					2.05
12.333	0.00	0.04	0.133	0					2.05
12.417	0.00	0.04	0.133	0					2.04
12.500	0.00	0.04	0.133	0					2.04
12.583	0.00	0.04	0.133	0					2.04
12.667	0.00	0.04	0.132	0					2.03
12.750	0.00	0.04	0.132	0					2.03
12.833	0.00	0.04	0.132	0					2.03
12.917	0.00	0.04	0.131	0					2.03
13.000	0.00	0.04	0.131	0					2.02
13.083	0.00	0.04	0.131	0					2.02
13.167	0.00	0.04	0.131	0					2.02
13.250	0.00	0.04	0.130	0					2.01
13.333	0.00	0.04	0.130	0					2.01
13.417	0.00	0.04	0.130	0					2.01
13.500	0.00	0.04	0.130	0					2.01
13.583	0.00	0.04	0.129	0					2.00
13.667	0.00	0.04	0.129	0					2.00
13.750	0.00	0.04	0.129	0					2.00
13.833	0.00	0.04	0.128	0					1.99
13.917	0.00	0.04	0.128	0					1.99
14.000	0.00	0.04	0.128	0					1.99
14.083	0.00	0.04	0.128	0					1.98
14.167	0.00	0.04	0.127	0					1.98
14.250	0.00	0.04	0.127	0					1.98
14.333	0.00	0.04	0.127	0					1.97

14.417	0.00	0.04	0.127	0					1.97
14.500	0.00	0.04	0.126	0					1.97
14.583	0.00	0.04	0.126	0					1.96
14.667	0.00	0.04	0.126	0					1.96
14.750	0.00	0.04	0.126	0					1.96
14.833	0.00	0.04	0.125	0					1.95
14.917	0.00	0.04	0.125	0					1.95
15.000	0.00	0.04	0.125	0					1.95
15.083	0.00	0.04	0.124	0					1.94
15.167	0.00	0.04	0.124	0					1.94
15.250	0.00	0.04	0.124	0					1.94
15.333	0.00	0.04	0.124	0					1.93
15.417	0.00	0.04	0.123	0					1.93
15.500	0.00	0.04	0.123	0					1.93
15.583	0.00	0.04	0.123	0					1.92
15.667	0.00	0.04	0.123	0					1.92
15.750	0.00	0.04	0.122	0					1.92
15.833	0.00	0.04	0.122	0					1.91
15.917	0.00	0.04	0.122	0					1.91
16.000	0.00	0.04	0.122	0					1.91
16.083	0.00	0.04	0.121	0					1.90
16.167	0.00	0.04	0.121	0					1.90
16.250	0.00	0.04	0.121	0					1.90
16.333	0.00	0.04	0.121	0					1.89
16.417	0.00	0.04	0.120	0					1.89
16.500	0.00	0.04	0.120	0					1.89
16.583	0.00	0.04	0.120	0					1.88
16.667	0.00	0.04	0.119	0					1.88
16.750	0.00	0.04	0.119	0					1.88
16.833	0.00	0.04	0.119	0					1.87
16.917	0.00	0.04	0.119	0					1.87
17.000	0.00	0.04	0.118	0					1.87
17.083	0.00	0.04	0.118	0					1.86
17.167	0.00	0.04	0.118	0					1.86
17.250	0.00	0.04	0.118	0					1.86
17.333	0.00	0.04	0.117	0					1.86
17.417	0.00	0.04	0.117	0					1.85
17.500	0.00	0.04	0.117	0					1.85
17.583	0.00	0.04	0.117	0					1.85
17.667	0.00	0.04	0.116	0					1.84
17.750	0.00	0.04	0.116	0					1.84
17.833	0.00	0.04	0.116	0					1.84
17.917	0.00	0.04	0.116	0					1.83
18.000	0.00	0.04	0.115	0					1.83
18.083	0.00	0.04	0.115	0					1.83
18.167	0.00	0.04	0.115	0					1.82
18.250	0.00	0.04	0.115	0					1.82
18.333	0.00	0.04	0.114	0					1.82
18.417	0.00	0.04	0.114	0					1.81
18.500	0.00	0.04	0.114	0					1.81

18.583	0.00	0.04	0.114	0					1.81
18.667	0.00	0.04	0.113	0					1.80
18.750	0.00	0.04	0.113	0					1.80
18.833	0.00	0.04	0.113	0					1.80
18.917	0.00	0.04	0.113	0					1.79
19.000	0.00	0.04	0.112	0					1.79
19.083	0.00	0.04	0.112	0					1.79
19.167	0.00	0.04	0.112	0					1.79
19.250	0.00	0.04	0.112	0					1.78
19.333	0.00	0.04	0.111	0					1.78
19.417	0.00	0.04	0.111	0					1.78
19.500	0.00	0.04	0.111	0					1.77
19.583	0.00	0.04	0.111	0					1.77
19.667	0.00	0.04	0.110	0					1.77
19.750	0.00	0.04	0.110	0					1.76
19.833	0.00	0.04	0.110	0					1.76
19.917	0.00	0.04	0.110	0					1.76
20.000	0.00	0.04	0.109	0					1.75
20.083	0.00	0.04	0.109	0					1.75
20.167	0.00	0.04	0.109	0					1.75
20.250	0.00	0.04	0.109	0					1.74
20.333	0.00	0.04	0.108	0					1.74
20.417	0.00	0.04	0.108	0					1.74
20.500	0.00	0.04	0.108	0					1.74
20.583	0.00	0.04	0.108	0					1.73
20.667	0.00	0.04	0.107	0					1.73
20.750	0.00	0.04	0.107	0					1.73
20.833	0.00	0.04	0.107	0					1.72
20.917	0.00	0.04	0.107	0					1.72
21.000	0.00	0.04	0.106	0					1.72
21.083	0.00	0.04	0.106	0					1.71
21.167	0.00	0.04	0.106	0					1.71
21.250	0.00	0.04	0.106	0					1.71
21.333	0.00	0.04	0.105	0					1.70
21.417	0.00	0.04	0.105	0					1.70
21.500	0.00	0.04	0.105	0					1.70
21.583	0.00	0.04	0.105	0					1.69
21.667	0.00	0.04	0.104	0					1.69
21.750	0.00	0.04	0.104	0					1.69
21.833	0.00	0.04	0.104	0					1.69
21.917	0.00	0.04	0.104	0					1.68
22.000	0.00	0.04	0.103	0					1.68
22.083	0.00	0.04	0.103	0					1.68
22.167	0.00	0.04	0.103	0					1.67
22.250	0.00	0.04	0.103	0					1.67
22.333	0.00	0.04	0.102	0					1.67
22.417	0.00	0.04	0.102	0					1.66
22.500	0.00	0.04	0.102	0					1.66
22.583	0.00	0.04	0.102	0					1.66
22.667	0.00	0.04	0.101	0					1.66

22.750	0.00	0.04	0.101	0					1.65
22.833	0.00	0.04	0.101	0					1.65
22.917	0.00	0.04	0.101	0					1.65
23.000	0.00	0.04	0.100	0					1.64
23.083	0.00	0.04	0.100	0					1.64
23.167	0.00	0.04	0.100	0					1.64
23.250	0.00	0.03	0.100	0					1.63
23.333	0.00	0.03	0.099	0					1.63
23.417	0.00	0.03	0.099	0					1.63
23.500	0.00	0.03	0.099	0					1.63
23.583	0.00	0.03	0.099	0					1.62
23.667	0.00	0.03	0.099	0					1.62
23.750	0.00	0.03	0.098	0					1.62
23.833	0.00	0.03	0.098	0					1.61
23.917	0.00	0.03	0.098	0					1.61
24.000	0.00	0.03	0.098	0					1.61
24.083	0.00	0.03	0.097	0					1.60
24.167	0.00	0.03	0.097	0					1.60
24.250	0.00	0.03	0.097	0					1.60
24.333	0.00	0.03	0.097	0					1.60
24.417	0.00	0.03	0.096	0					1.59
24.500	0.00	0.03	0.096	0					1.59
24.583	0.00	0.03	0.096	0					1.59
24.667	0.00	0.03	0.096	0					1.58
24.750	0.00	0.03	0.095	0					1.58
24.833	0.00	0.03	0.095	0					1.58
24.917	0.00	0.03	0.095	0					1.57
25.000	0.00	0.03	0.095	0					1.57
25.083	0.00	0.03	0.094	0					1.57
25.167	0.00	0.03	0.094	0					1.57
25.250	0.00	0.03	0.094	0					1.56
25.333	0.00	0.03	0.094	0					1.56
25.417	0.00	0.03	0.094	0					1.56
25.500	0.00	0.03	0.093	0					1.55
25.583	0.00	0.03	0.093	0					1.55
25.667	0.00	0.03	0.093	0					1.55
25.750	0.00	0.03	0.093	0					1.55
25.833	0.00	0.03	0.092	0					1.54
25.917	0.00	0.03	0.092	0					1.54
26.000	0.00	0.03	0.092	0					1.54
26.083	0.00	0.03	0.092	0					1.53
26.167	0.00	0.03	0.091	0					1.53
26.250	0.00	0.03	0.091	0					1.53
26.333	0.00	0.03	0.091	0					1.52
26.417	0.00	0.03	0.091	0					1.52
26.500	0.00	0.03	0.091	0					1.52
26.583	0.00	0.03	0.090	0					1.52
26.667	0.00	0.03	0.090	0					1.51
26.750	0.00	0.03	0.090	0					1.51
26.833	0.00	0.03	0.090	0					1.51

26.917	0.00	0.03	0.089	0					1.50
27.000	0.00	0.03	0.089	0					1.50
27.083	0.00	0.03	0.089	0					1.50
27.167	0.00	0.03	0.089	0					1.50
27.250	0.00	0.03	0.088	0					1.49
27.333	0.00	0.03	0.088	0					1.49
27.417	0.00	0.03	0.088	0					1.49
27.500	0.00	0.03	0.088	0					1.48
27.583	0.00	0.03	0.088	0					1.48
27.667	0.00	0.03	0.087	0					1.48
27.750	0.00	0.03	0.087	0					1.48
27.833	0.00	0.03	0.087	0					1.47
27.917	0.00	0.03	0.087	0					1.47
28.000	0.00	0.03	0.086	0					1.47
28.083	0.00	0.03	0.086	0					1.46
28.167	0.00	0.03	0.086	0					1.46
28.250	0.00	0.03	0.086	0					1.46
28.333	0.00	0.03	0.085	0					1.46
28.417	0.00	0.03	0.085	0					1.45
28.500	0.00	0.03	0.085	0					1.45
28.583	0.00	0.03	0.085	0					1.45
28.667	0.00	0.03	0.085	0					1.44
28.750	0.00	0.03	0.084	0					1.44
28.833	0.00	0.03	0.084	0					1.44
28.917	0.00	0.03	0.084	0					1.44
29.000	0.00	0.03	0.084	0					1.43
29.083	0.00	0.03	0.083	0					1.43
29.167	0.00	0.03	0.083	0					1.43
29.250	0.00	0.03	0.083	0					1.42
29.333	0.00	0.03	0.083	0					1.42
29.417	0.00	0.03	0.083	0					1.42
29.500	0.00	0.03	0.082	0					1.42
29.583	0.00	0.03	0.082	0					1.41
29.667	0.00	0.03	0.082	0					1.41
29.750	0.00	0.03	0.082	0					1.41
29.833	0.00	0.03	0.081	0					1.40
29.917	0.00	0.03	0.081	0					1.40
30.000	0.00	0.03	0.081	0					1.40
30.083	0.00	0.03	0.081	0					1.40
30.167	0.00	0.03	0.081	0					1.39
30.250	0.00	0.03	0.080	0					1.39
30.333	0.00	0.03	0.080	0					1.39
30.417	0.00	0.03	0.080	0					1.39
30.500	0.00	0.03	0.080	0					1.38
30.583	0.00	0.03	0.079	0					1.38
30.667	0.00	0.03	0.079	0					1.38
30.750	0.00	0.03	0.079	0					1.37
30.833	0.00	0.03	0.079	0					1.37
30.917	0.00	0.03	0.079	0					1.37
31.000	0.00	0.03	0.078	0					1.37

31.083	0.00	0.03	0.078	0					1.36
31.167	0.00	0.03	0.078	0					1.36
31.250	0.00	0.03	0.078	0					1.36
31.333	0.00	0.03	0.077	0					1.36
31.417	0.00	0.03	0.077	0					1.35
31.500	0.00	0.03	0.077	0					1.35
31.583	0.00	0.03	0.077	0					1.35
31.667	0.00	0.03	0.077	0					1.34
31.750	0.00	0.03	0.076	0					1.34
31.833	0.00	0.03	0.076	0					1.34
31.917	0.00	0.03	0.076	0					1.34
32.000	0.00	0.03	0.076	0					1.33
32.083	0.00	0.03	0.075	0					1.33
32.167	0.00	0.03	0.075	0					1.33
32.250	0.00	0.03	0.075	0					1.33
32.333	0.00	0.03	0.075	0					1.32
32.417	0.00	0.03	0.075	0					1.32
32.500	0.00	0.03	0.074	0					1.32
32.583	0.00	0.03	0.074	0					1.31
32.667	0.00	0.03	0.074	0					1.31
32.750	0.00	0.03	0.074	0					1.31
32.833	0.00	0.03	0.073	0					1.31
32.917	0.00	0.03	0.073	0					1.30
33.000	0.00	0.03	0.073	0					1.30
33.083	0.00	0.03	0.073	0					1.30
33.167	0.00	0.03	0.073	0					1.30
33.250	0.00	0.03	0.072	0					1.29
33.333	0.00	0.03	0.072	0					1.29
33.417	0.00	0.03	0.072	0					1.29
33.500	0.00	0.03	0.072	0					1.28
33.583	0.00	0.03	0.072	0					1.28
33.667	0.00	0.03	0.071	0					1.28
33.750	0.00	0.03	0.071	0					1.28
33.833	0.00	0.03	0.071	0					1.27
33.917	0.00	0.03	0.071	0					1.27
34.000	0.00	0.03	0.070	0					1.27
34.083	0.00	0.03	0.070	0					1.27
34.167	0.00	0.03	0.070	0					1.26
34.250	0.00	0.03	0.070	0					1.26
34.333	0.00	0.03	0.070	0					1.26
34.417	0.00	0.03	0.069	0					1.26
34.500	0.00	0.03	0.069	0					1.25
34.583	0.00	0.03	0.069	0					1.25
34.667	0.00	0.03	0.069	0					1.25
34.750	0.00	0.03	0.069	0					1.24
34.833	0.00	0.03	0.068	0					1.24
34.917	0.00	0.03	0.068	0					1.24
35.000	0.00	0.03	0.068	0					1.24
35.083	0.00	0.03	0.068	0					1.23
35.167	0.00	0.03	0.068	0					1.23

35.250	0.00	0.03	0.067	0					1.23
35.333	0.00	0.03	0.067	0					1.23
35.417	0.00	0.03	0.067	0					1.22
35.500	0.00	0.03	0.067	0					1.22
35.583	0.00	0.03	0.066	0					1.22
35.667	0.00	0.03	0.066	0					1.22
35.750	0.00	0.03	0.066	0					1.21
35.833	0.00	0.03	0.066	0					1.21
35.917	0.00	0.03	0.066	0					1.21
36.000	0.00	0.03	0.065	0					1.21
36.083	0.00	0.03	0.065	0					1.20
36.167	0.00	0.03	0.065	0					1.20
36.250	0.00	0.03	0.065	0					1.20
36.333	0.00	0.03	0.065	0					1.19
36.417	0.00	0.03	0.064	0					1.19
36.500	0.00	0.03	0.064	0					1.19
36.583	0.00	0.03	0.064	0					1.19
36.667	0.00	0.03	0.064	0					1.18
36.750	0.00	0.03	0.064	0					1.18
36.833	0.00	0.03	0.063	0					1.18
36.917	0.00	0.03	0.063	0					1.18
37.000	0.00	0.03	0.063	0					1.17
37.083	0.00	0.03	0.063	0					1.17
37.167	0.00	0.03	0.063	0					1.17
37.250	0.00	0.03	0.062	0					1.17
37.333	0.00	0.03	0.062	0					1.16
37.417	0.00	0.03	0.062	0					1.16
37.500	0.00	0.03	0.062	0					1.16
37.583	0.00	0.03	0.061	0					1.16
37.667	0.00	0.03	0.061	0					1.15
37.750	0.00	0.03	0.061	0					1.15
37.833	0.00	0.03	0.061	0					1.15
37.917	0.00	0.03	0.061	0					1.15
38.000	0.00	0.03	0.060	0					1.14
38.083	0.00	0.03	0.060	0					1.14
38.167	0.00	0.03	0.060	0					1.14
38.250	0.00	0.03	0.060	0					1.14
38.333	0.00	0.03	0.060	0					1.13
38.417	0.00	0.03	0.059	0					1.13
38.500	0.00	0.03	0.059	0					1.13
38.583	0.00	0.03	0.059	0					1.13
38.667	0.00	0.03	0.059	0					1.12
38.750	0.00	0.03	0.059	0					1.12
38.833	0.00	0.03	0.058	0					1.12
38.917	0.00	0.03	0.058	0					1.12
39.000	0.00	0.03	0.058	0					1.11
39.083	0.00	0.03	0.058	0					1.11
39.167	0.00	0.03	0.058	0					1.11
39.250	0.00	0.03	0.057	0					1.11
39.333	0.00	0.03	0.057	0					1.10

39.417	0.00	0.03	0.057	0					1.10
39.500	0.00	0.03	0.057	0					1.10
39.583	0.00	0.03	0.057	0					1.10
39.667	0.00	0.03	0.056	0					1.09
39.750	0.00	0.03	0.056	0					1.09
39.833	0.00	0.03	0.056	0					1.09
39.917	0.00	0.03	0.056	0					1.09
40.000	0.00	0.03	0.056	0					1.08
40.083	0.00	0.03	0.055	0					1.08
40.167	0.00	0.03	0.055	0					1.08
40.250	0.00	0.03	0.055	0					1.08
40.333	0.00	0.03	0.055	0					1.07
40.417	0.00	0.03	0.055	0					1.07
40.500	0.00	0.03	0.054	0					1.07
40.583	0.00	0.03	0.054	0					1.07
40.667	0.00	0.03	0.054	0					1.06
40.750	0.00	0.03	0.054	0					1.06
40.833	0.00	0.03	0.054	0					1.06
40.917	0.00	0.03	0.053	0					1.06
41.000	0.00	0.03	0.053	0					1.05
41.083	0.00	0.03	0.053	0					1.05
41.167	0.00	0.03	0.053	0					1.05
41.250	0.00	0.03	0.053	0					1.05
41.333	0.00	0.03	0.052	0					1.04
41.417	0.00	0.03	0.052	0					1.04
41.500	0.00	0.03	0.052	0					1.04
41.583	0.00	0.03	0.052	0					1.04
41.667	0.00	0.03	0.052	0					1.03
41.750	0.00	0.03	0.052	0					1.03
41.833	0.00	0.03	0.051	0					1.03
41.917	0.00	0.03	0.051	0					1.03
42.000	0.00	0.03	0.051	0					1.02
42.083	0.00	0.03	0.051	0					1.02
42.167	0.00	0.03	0.051	0					1.02
42.250	0.00	0.03	0.050	0					1.02
42.333	0.00	0.03	0.050	0					1.01
42.417	0.00	0.03	0.050	0					1.01
42.500	0.00	0.03	0.050	0					1.01
42.583	0.00	0.03	0.050	0					1.01
42.667	0.00	0.03	0.049	0					1.00
42.750	0.00	0.03	0.049	0					1.00
42.833	0.00	0.03	0.049	0					1.00
42.917	0.00	0.03	0.049	0					1.00
43.000	0.00	0.03	0.049	0					0.99
43.083	0.00	0.03	0.048	0					0.99
43.167	0.00	0.03	0.048	0					0.98
43.250	0.00	0.03	0.048	0					0.98
43.333	0.00	0.03	0.048	0					0.98
43.417	0.00	0.03	0.048	0					0.97
43.500	0.00	0.03	0.047	0					0.97

43.583	0.00	0.03	0.047	0					0.97
43.667	0.00	0.03	0.047	0					0.96
43.750	0.00	0.03	0.047	0					0.96
43.833	0.00	0.03	0.047	0					0.96
43.917	0.00	0.03	0.047	0					0.95
44.000	0.00	0.03	0.046	0					0.95
44.083	0.00	0.03	0.046	0					0.95
44.167	0.00	0.03	0.046	0					0.94
44.250	0.00	0.03	0.046	0					0.94
44.333	0.00	0.03	0.046	0					0.94
44.417	0.00	0.03	0.045	0					0.93
44.500	0.00	0.03	0.045	0					0.93
44.583	0.00	0.03	0.045	0					0.92
44.667	0.00	0.03	0.045	0					0.92
44.750	0.00	0.03	0.045	0					0.92
44.833	0.00	0.03	0.045	0					0.91
44.917	0.00	0.03	0.044	0					0.91
45.000	0.00	0.03	0.044	0					0.91
45.083	0.00	0.03	0.044	0					0.90
45.167	0.00	0.03	0.044	0					0.90
45.250	0.00	0.03	0.044	0					0.90
45.333	0.00	0.03	0.043	0					0.89
45.417	0.00	0.03	0.043	0					0.89
45.500	0.00	0.03	0.043	0					0.89
45.583	0.00	0.03	0.043	0					0.88
45.667	0.00	0.03	0.043	0					0.88
45.750	0.00	0.03	0.043	0					0.88
45.833	0.00	0.02	0.042	0					0.87
45.917	0.00	0.02	0.042	0					0.87
46.000	0.00	0.02	0.042	0					0.87
46.083	0.00	0.02	0.042	0					0.86
46.167	0.00	0.02	0.042	0					0.86
46.250	0.00	0.02	0.042	0					0.86
46.333	0.00	0.02	0.041	0					0.85
46.417	0.00	0.02	0.041	0					0.85
46.500	0.00	0.02	0.041	0					0.85
46.583	0.00	0.02	0.041	0					0.85
46.667	0.00	0.02	0.041	0					0.84
46.750	0.00	0.02	0.041	0					0.84
46.833	0.00	0.02	0.040	0					0.84
46.917	0.00	0.02	0.040	0					0.83
47.000	0.00	0.02	0.040	0					0.83
47.083	0.00	0.02	0.040	0					0.83
47.167	0.00	0.02	0.040	0					0.82
47.250	0.00	0.02	0.040	0					0.82
47.333	0.00	0.02	0.039	0					0.82
47.417	0.00	0.02	0.039	0					0.81
47.500	0.00	0.02	0.039	0					0.81
47.583	0.00	0.02	0.039	0					0.81
47.667	0.00	0.02	0.039	0					0.80

47.750	0.00	0.02	0.039	0					0.80
47.833	0.00	0.02	0.038	0					0.80
47.917	0.00	0.02	0.038	0					0.80
48.000	0.00	0.02	0.038	0					0.79
48.083	0.00	0.02	0.038	0					0.79
48.167	0.00	0.02	0.038	0					0.79
48.250	0.00	0.02	0.038	0					0.78
48.333	0.00	0.02	0.038	0					0.78
48.417	0.00	0.02	0.037	0					0.78
48.500	0.00	0.02	0.037	0					0.77
48.583	0.00	0.02	0.037	0					0.77
48.667	0.00	0.02	0.037	0					0.77
48.750	0.00	0.02	0.037	0					0.77
48.833	0.00	0.02	0.037	0					0.76
48.917	0.00	0.02	0.036	0					0.76
49.000	0.00	0.02	0.036	0					0.76
49.083	0.00	0.02	0.036	0					0.75
49.167	0.00	0.02	0.036	0					0.75
49.250	0.00	0.02	0.036	0					0.75
49.333	0.00	0.02	0.036	0					0.75
49.417	0.00	0.02	0.036	0					0.74
49.500	0.00	0.02	0.035	0					0.74
49.583	0.00	0.02	0.035	0					0.74
49.667	0.00	0.02	0.035	0					0.73
49.750	0.00	0.02	0.035	0					0.73
49.833	0.00	0.02	0.035	0					0.73
49.917	0.00	0.02	0.035	0					0.73
50.000	0.00	0.02	0.035	0					0.72
50.083	0.00	0.02	0.034	0					0.72
50.167	0.00	0.02	0.034	0					0.72
50.250	0.00	0.02	0.034	0					0.71
50.333	0.00	0.02	0.034	0					0.71
50.417	0.00	0.02	0.034	0					0.71
50.500	0.00	0.02	0.034	0					0.71
50.583	0.00	0.02	0.033	0					0.70
50.667	0.00	0.02	0.033	0					0.70
50.750	0.00	0.02	0.033	0					0.70
50.833	0.00	0.02	0.033	0					0.69
50.917	0.00	0.02	0.033	0					0.69
51.000	0.00	0.02	0.033	0					0.69
51.083	0.00	0.02	0.033	0					0.69
51.167	0.00	0.02	0.033	0					0.68
51.250	0.00	0.02	0.032	0					0.68
51.333	0.00	0.02	0.032	0					0.68
51.417	0.00	0.02	0.032	0					0.68
51.500	0.00	0.02	0.032	0					0.67
51.583	0.00	0.02	0.032	0					0.67
51.667	0.00	0.02	0.032	0					0.67
51.750	0.00	0.02	0.032	0					0.67
51.833	0.00	0.02	0.031	0					0.66

51.917	0.00	0.02	0.031	0					0.66
52.000	0.00	0.02	0.031	0					0.66
52.083	0.00	0.02	0.031	0					0.66
52.167	0.00	0.02	0.031	0					0.65
52.250	0.00	0.02	0.031	0					0.65
52.333	0.00	0.02	0.031	0					0.65
52.417	0.00	0.02	0.030	0					0.64
52.500	0.00	0.02	0.030	0					0.64
52.583	0.00	0.02	0.030	0					0.64
52.667	0.00	0.02	0.030	0					0.64
52.750	0.00	0.02	0.030	0					0.63
52.833	0.00	0.02	0.030	0					0.63
52.917	0.00	0.02	0.030	0					0.63
53.000	0.00	0.02	0.030	0					0.63
53.083	0.00	0.02	0.029	0					0.62
53.167	0.00	0.02	0.029	0					0.62
53.250	0.00	0.02	0.029	0					0.62
53.333	0.00	0.02	0.029	0					0.62
53.417	0.00	0.02	0.029	0					0.61
53.500	0.00	0.02	0.029	0					0.61
53.583	0.00	0.02	0.029	0					0.61
53.667	0.00	0.02	0.029	0					0.61
53.750	0.00	0.02	0.028	0					0.61
53.833	0.00	0.02	0.028	0					0.60
53.917	0.00	0.02	0.028	0					0.60
54.000	0.00	0.02	0.028	0					0.60
54.083	0.00	0.02	0.028	0					0.60
54.167	0.00	0.02	0.028	0					0.59
54.250	0.00	0.02	0.028	0					0.59
54.333	0.00	0.02	0.028	0					0.59
54.417	0.00	0.02	0.027	0					0.59
54.500	0.00	0.02	0.027	0					0.58
54.583	0.00	0.02	0.027	0					0.58
54.667	0.00	0.02	0.027	0					0.58
54.750	0.00	0.02	0.027	0					0.58
54.833	0.00	0.02	0.027	0					0.57
54.917	0.00	0.02	0.027	0					0.57
55.000	0.00	0.02	0.027	0					0.57
55.083	0.00	0.02	0.026	0					0.57
55.167	0.00	0.02	0.026	0					0.57
55.250	0.00	0.02	0.026	0					0.56
55.333	0.00	0.02	0.026	0					0.56
55.417	0.00	0.02	0.026	0					0.56
55.500	0.00	0.02	0.026	0					0.56
55.583	0.00	0.02	0.026	0					0.55
55.667	0.00	0.02	0.026	0					0.55
55.750	0.00	0.02	0.025	0					0.55
55.833	0.00	0.02	0.025	0					0.55
55.917	0.00	0.02	0.025	0					0.54
56.000	0.00	0.02	0.025	0					0.54

56.083	0.00	0.02	0.025	0					0.54
56.167	0.00	0.02	0.025	0					0.54
56.250	0.00	0.02	0.025	0					0.54
56.333	0.00	0.02	0.025	0					0.53
56.417	0.00	0.02	0.025	0					0.53
56.500	0.00	0.02	0.024	0					0.53
56.583	0.00	0.02	0.024	0					0.53
56.667	0.00	0.02	0.024	0					0.53
56.750	0.00	0.02	0.024	0					0.52
56.833	0.00	0.02	0.024	0					0.52
56.917	0.00	0.02	0.024	0					0.52
57.000	0.00	0.02	0.024	0					0.52
57.083	0.00	0.02	0.024	0					0.51
57.167	0.00	0.02	0.024	0					0.51
57.250	0.00	0.02	0.023	0					0.51
57.333	0.00	0.02	0.023	0					0.51
57.417	0.00	0.02	0.023	0					0.51
57.500	0.00	0.02	0.023	0					0.50
57.583	0.00	0.02	0.023	0					0.50
57.667	0.00	0.02	0.023	0					0.50
57.750	0.00	0.02	0.023	0					0.50
57.833	0.00	0.02	0.023	0					0.50
57.917	0.00	0.02	0.023	0					0.49
58.000	0.00	0.02	0.022	0					0.49
58.083	0.00	0.02	0.022	0					0.49
58.167	0.00	0.02	0.022	0					0.49
58.250	0.00	0.02	0.022	0					0.49
58.333	0.00	0.02	0.022	0					0.48
58.417	0.00	0.02	0.022	0					0.48
58.500	0.00	0.02	0.022	0					0.48
58.583	0.00	0.02	0.022	0					0.48
58.667	0.00	0.02	0.022	0					0.48
58.750	0.00	0.02	0.021	0					0.47
58.833	0.00	0.02	0.021	0					0.47
58.917	0.00	0.02	0.021	0					0.47
59.000	0.00	0.01	0.021	0					0.47
59.083	0.00	0.01	0.021	0					0.47
59.167	0.00	0.01	0.021	0					0.46
59.250	0.00	0.01	0.021	0					0.46
59.333	0.00	0.01	0.021	0					0.46
59.417	0.00	0.01	0.021	0					0.46
59.500	0.00	0.01	0.021	0					0.46
59.583	0.00	0.01	0.020	0					0.45
59.667	0.00	0.01	0.020	0					0.45
59.750	0.00	0.01	0.020	0					0.45
59.833	0.00	0.01	0.020	0					0.45
59.917	0.00	0.01	0.020	0					0.45
60.000	0.00	0.01	0.020	0					0.44
60.083	0.00	0.01	0.020	0					0.44
60.167	0.00	0.01	0.020	0					0.44

60.250	0.00	0.01	0.020	0					0.44
60.333	0.00	0.01	0.020	0					0.44
60.417	0.00	0.01	0.019	0					0.43
60.500	0.00	0.01	0.019	0					0.43
60.583	0.00	0.01	0.019	0					0.43
60.667	0.00	0.01	0.019	0					0.43
60.750	0.00	0.01	0.019	0					0.43
60.833	0.00	0.01	0.019	0					0.43
60.917	0.00	0.01	0.019	0					0.42
61.000	0.00	0.01	0.019	0					0.42
61.083	0.00	0.01	0.019	0					0.42
61.167	0.00	0.01	0.019	0					0.42
61.250	0.00	0.01	0.019	0					0.42
61.333	0.00	0.01	0.018	0					0.41
61.417	0.00	0.01	0.018	0					0.41
61.500	0.00	0.01	0.018	0					0.41
61.583	0.00	0.01	0.018	0					0.41
61.667	0.00	0.01	0.018	0					0.41
61.750	0.00	0.01	0.018	0					0.41
61.833	0.00	0.01	0.018	0					0.40
61.917	0.00	0.01	0.018	0					0.40
62.000	0.00	0.01	0.018	0					0.40
62.083	0.00	0.01	0.018	0					0.40
62.167	0.00	0.01	0.017	0					0.40
62.250	0.00	0.01	0.017	0					0.39
62.333	0.00	0.01	0.017	0					0.39
62.417	0.00	0.01	0.017	0					0.39
62.500	0.00	0.01	0.017	0					0.39
62.583	0.00	0.01	0.017	0					0.39
62.667	0.00	0.01	0.017	0					0.39
62.750	0.00	0.01	0.017	0					0.38
62.833	0.00	0.01	0.017	0					0.38
62.917	0.00	0.01	0.017	0					0.38
63.000	0.00	0.01	0.017	0					0.38
63.083	0.00	0.01	0.017	0					0.38
63.167	0.00	0.01	0.016	0					0.38
63.250	0.00	0.01	0.016	0					0.37
63.333	0.00	0.01	0.016	0					0.37
63.417	0.00	0.01	0.016	0					0.37
63.500	0.00	0.01	0.016	0					0.37
63.583	0.00	0.01	0.016	0					0.37
63.667	0.00	0.01	0.016	0					0.37
63.750	0.00	0.01	0.016	0					0.36
63.833	0.00	0.01	0.016	0					0.36
63.917	0.00	0.01	0.016	0					0.36
64.000	0.00	0.01	0.016	0					0.36
64.083	0.00	0.01	0.015	0					0.36
64.167	0.00	0.01	0.015	0					0.36
64.250	0.00	0.01	0.015	0					0.35
64.333	0.00	0.01	0.015	0					0.35

64.417	0.00	0.01	0.015	0					0.35
64.500	0.00	0.01	0.015	0					0.35
64.583	0.00	0.01	0.015	0					0.35
64.667	0.00	0.01	0.015	0					0.35
64.750	0.00	0.01	0.015	0					0.35
64.833	0.00	0.01	0.015	0					0.34
64.917	0.00	0.01	0.015	0					0.34
65.000	0.00	0.01	0.015	0					0.34
65.083	0.00	0.01	0.014	0					0.34
65.167	0.00	0.01	0.014	0					0.34
65.250	0.00	0.01	0.014	0					0.34
65.333	0.00	0.01	0.014	0					0.33
65.417	0.00	0.01	0.014	0					0.33
65.500	0.00	0.01	0.014	0					0.33
65.583	0.00	0.01	0.014	0					0.33
65.667	0.00	0.01	0.014	0					0.33
65.750	0.00	0.01	0.014	0					0.33
65.833	0.00	0.01	0.014	0					0.32
65.917	0.00	0.01	0.014	0					0.32
66.000	0.00	0.01	0.014	0					0.32
66.083	0.00	0.01	0.014	0					0.32
66.167	0.00	0.01	0.013	0					0.32
66.250	0.00	0.01	0.013	0					0.32
66.333	0.00	0.01	0.013	0					0.32
66.417	0.00	0.01	0.013	0					0.31
66.500	0.00	0.01	0.013	0					0.31
66.583	0.00	0.01	0.013	0					0.31
66.667	0.00	0.01	0.013	0					0.31
66.750	0.00	0.01	0.013	0					0.31
66.833	0.00	0.01	0.013	0					0.31
66.917	0.00	0.01	0.013	0					0.31
67.000	0.00	0.01	0.013	0					0.30
67.083	0.00	0.01	0.013	0					0.30
67.167	0.00	0.01	0.013	0					0.30
67.250	0.00	0.01	0.012	0					0.30
67.333	0.00	0.01	0.012	0					0.30
67.417	0.00	0.01	0.012	0					0.30
67.500	0.00	0.01	0.012	0					0.30
67.583	0.00	0.01	0.012	0					0.29
67.667	0.00	0.01	0.012	0					0.29
67.750	0.00	0.01	0.012	0					0.29
67.833	0.00	0.01	0.012	0					0.29
67.917	0.00	0.01	0.012	0					0.29
68.000	0.00	0.01	0.012	0					0.29
68.083	0.00	0.01	0.012	0					0.29
68.167	0.00	0.01	0.012	0					0.28
68.250	0.00	0.01	0.012	0					0.28
68.333	0.00	0.01	0.011	0					0.28
68.417	0.00	0.01	0.011	0					0.28
68.500	0.00	0.01	0.011	0					0.28

68.583	0.00	0.01	0.011	0					0.28
68.667	0.00	0.01	0.011	0					0.28
68.750	0.00	0.01	0.011	0					0.27
68.833	0.00	0.01	0.011	0					0.27
68.917	0.00	0.01	0.011	0					0.27
69.000	0.00	0.01	0.011	0					0.27
69.083	0.00	0.01	0.011	0					0.27
69.167	0.00	0.01	0.011	0					0.27
69.250	0.00	0.01	0.011	0					0.27
69.333	0.00	0.01	0.011	0					0.27
69.417	0.00	0.01	0.011	0					0.26
69.500	0.00	0.01	0.010	0					0.26
69.583	0.00	0.01	0.010	0					0.26
69.667	0.00	0.01	0.010	0					0.26
69.750	0.00	0.01	0.010	0					0.26
69.833	0.00	0.01	0.010	0					0.26
69.917	0.00	0.01	0.010	0					0.26
70.000	0.00	0.01	0.010	0					0.25
70.083	0.00	0.01	0.010	0					0.25
70.167	0.00	0.01	0.010	0					0.25
70.250	0.00	0.01	0.010	0					0.25
70.333	0.00	0.01	0.010	0					0.25
70.417	0.00	0.01	0.010	0					0.25
70.500	0.00	0.01	0.010	0					0.25
70.583	0.00	0.01	0.010	0					0.25
70.667	0.00	0.01	0.010	0					0.24
70.750	0.00	0.01	0.009	0					0.24
70.833	0.00	0.01	0.009	0					0.24
70.917	0.00	0.01	0.009	0					0.24
71.000	0.00	0.01	0.009	0					0.24
71.083	0.00	0.01	0.009	0					0.24
71.167	0.00	0.01	0.009	0					0.24
71.250	0.00	0.01	0.009	0					0.24
71.333	0.00	0.01	0.009	0					0.23
71.417	0.00	0.01	0.009	0					0.23
71.500	0.00	0.01	0.009	0					0.23
71.583	0.00	0.01	0.009	0					0.23
71.667	0.00	0.01	0.009	0					0.23
71.750	0.00	0.01	0.009	0					0.23
71.833	0.00	0.01	0.009	0					0.23
71.917	0.00	0.01	0.009	0					0.23
72.000	0.00	0.01	0.009	0					0.23
72.083	0.00	0.01	0.008	0					0.22
72.167	0.00	0.01	0.008	0					0.22
72.250	0.00	0.01	0.008	0					0.22
72.333	0.00	0.01	0.008	0					0.22
72.417	0.00	0.01	0.008	0					0.22
72.500	0.00	0.01	0.008	0					0.22
72.583	0.00	0.01	0.008	0					0.22
72.667	0.00	0.01	0.008	0					0.22

72.750	0.00	0.01	0.008	0					0.21
72.833	0.00	0.01	0.008	0					0.21
72.917	0.00	0.01	0.008	0					0.21
73.000	0.00	0.01	0.008	0					0.21
73.083	0.00	0.01	0.008	0					0.21
73.167	0.00	0.01	0.008	0					0.21
73.250	0.00	0.01	0.008	0					0.21
73.333	0.00	0.01	0.008	0					0.21
73.417	0.00	0.01	0.007	0					0.21
73.500	0.00	0.01	0.007	0					0.20
73.583	0.00	0.01	0.007	0					0.20
73.667	0.00	0.01	0.007	0					0.20
73.750	0.00	0.01	0.007	0					0.20
73.833	0.00	0.01	0.007	0					0.20
73.917	0.00	0.01	0.007	0					0.20
74.000	0.00	0.01	0.007	0					0.20
74.083	0.00	0.01	0.007	0					0.20
74.167	0.00	0.01	0.007	0					0.20
74.250	0.00	0.01	0.007	0					0.19
74.333	0.00	0.01	0.007	0					0.19
74.417	0.00	0.01	0.007	0					0.19
74.500	0.00	0.01	0.007	0					0.19
74.583	0.00	0.01	0.007	0					0.19
74.667	0.00	0.01	0.007	0					0.19
74.750	0.00	0.01	0.007	0					0.19
74.833	0.00	0.01	0.007	0					0.19
74.917	0.00	0.01	0.006	0					0.19
75.000	0.00	0.01	0.006	0					0.18
75.083	0.00	0.01	0.006	0					0.18
75.167	0.00	0.01	0.006	0					0.18
75.250	0.00	0.01	0.006	0					0.18
75.333	0.00	0.01	0.006	0					0.18
75.417	0.00	0.01	0.006	0					0.18
75.500	0.00	0.01	0.006	0					0.18
75.583	0.00	0.01	0.006	0					0.18
75.667	0.00	0.01	0.006	0					0.18
75.750	0.00	0.01	0.006	0					0.18
75.833	0.00	0.01	0.006	0					0.17
75.917	0.00	0.01	0.006	0					0.17
76.000	0.00	0.01	0.006	0					0.17
76.083	0.00	0.01	0.006	0					0.17
76.167	0.00	0.01	0.006	0					0.17
76.250	0.00	0.01	0.006	0					0.17
76.333	0.00	0.01	0.006	0					0.17
76.417	0.00	0.01	0.005	0					0.17
76.500	0.00	0.01	0.005	0					0.17
76.583	0.00	0.01	0.005	0					0.16
76.667	0.00	0.01	0.005	0					0.16
76.750	0.00	0.01	0.005	0					0.16
76.833	0.00	0.01	0.005	0					0.16

76.917	0.00	0.01	0.005	0					0.16
77.000	0.00	0.01	0.005	0					0.16
77.083	0.00	0.01	0.005	0					0.16
77.167	0.00	0.01	0.005	0					0.16
77.250	0.00	0.01	0.005	0					0.16
77.333	0.00	0.01	0.005	0					0.16
77.417	0.00	0.01	0.005	0					0.16
77.500	0.00	0.01	0.005	0					0.15
77.583	0.00	0.01	0.005	0					0.15
77.667	0.00	0.01	0.005	0					0.15
77.750	0.00	0.01	0.005	0					0.15
77.833	0.00	0.01	0.005	0					0.15
77.917	0.00	0.01	0.005	0					0.15
78.000	0.00	0.01	0.005	0					0.15
78.083	0.00	0.01	0.004	0					0.15
78.167	0.00	0.01	0.004	0					0.15
78.250	0.00	0.01	0.004	0					0.15
78.333	0.00	0.01	0.004	0					0.14
78.417	0.00	0.01	0.004	0					0.14
78.500	0.00	0.01	0.004	0					0.14
78.583	0.00	0.01	0.004	0					0.14
78.667	0.00	0.01	0.004	0					0.14
78.750	0.00	0.01	0.004	0					0.14
78.833	0.00	0.01	0.004	0					0.14
78.917	0.00	0.01	0.004	0					0.14
79.000	0.00	0.01	0.004	0					0.14
79.083	0.00	0.01	0.004	0					0.14
79.167	0.00	0.01	0.004	0					0.14
79.250	0.00	0.01	0.004	0					0.13
79.333	0.00	0.01	0.004	0					0.13
79.417	0.00	0.01	0.004	0					0.13
79.500	0.00	0.01	0.004	0					0.13
79.583	0.00	0.01	0.004	0					0.13
79.667	0.00	0.01	0.004	0					0.13
79.750	0.00	0.01	0.004	0					0.13
79.833	0.00	0.01	0.003	0					0.13
79.917	0.00	0.01	0.003	0					0.13
80.000	0.00	0.01	0.003	0					0.13
80.083	0.00	0.01	0.003	0					0.13
80.167	0.00	0.01	0.003	0					0.12
80.250	0.00	0.01	0.003	0					0.12
80.333	0.00	0.01	0.003	0					0.12
80.417	0.00	0.01	0.003	0					0.12
80.500	0.00	0.01	0.003	0					0.12
80.583	0.00	0.01	0.003	0					0.12
80.667	0.00	0.01	0.003	0					0.12
80.750	0.00	0.01	0.003	0					0.12
80.833	0.00	0.01	0.003	0					0.12
80.917	0.00	0.01	0.003	0					0.12
81.000	0.00	0.01	0.003	0					0.12

81.083	0.00	0.01	0.003	0					0.12
81.167	0.00	0.01	0.003	0					0.11
81.250	0.00	0.01	0.003	0					0.11
81.333	0.00	0.01	0.003	0					0.11
81.417	0.00	0.01	0.003	0					0.11
81.500	0.00	0.01	0.003	0					0.11
81.583	0.00	0.01	0.003	0					0.11
81.667	0.00	0.01	0.002	0					0.11
81.750	0.00	0.01	0.002	0					0.11
81.833	0.00	0.01	0.002	0					0.11
81.917	0.00	0.01	0.002	0					0.11
82.000	0.00	0.01	0.002	0					0.11
82.083	0.00	0.01	0.002	0					0.11
82.167	0.00	0.01	0.002	0					0.10
82.250	0.00	0.01	0.002	0					0.10
82.333	0.00	0.01	0.002	0					0.10
82.417	0.00	0.01	0.002	0					0.10
82.500	0.00	0.01	0.002	0					0.10
82.583	0.00	0.01	0.002	0					0.10
82.667	0.00	0.01	0.002	0					0.10
82.750	0.00	0.01	0.002	0					0.10
82.833	0.00	0.01	0.002	0					0.10
82.917	0.00	0.01	0.002	0					0.09
83.000	0.00	0.01	0.002	0					0.09
83.083	0.00	0.01	0.002	0					0.09
83.167	0.00	0.01	0.002	0					0.09
83.250	0.00	0.01	0.002	0					0.09
83.333	0.00	0.01	0.002	0					0.08
83.417	0.00	0.00	0.002	0					0.08
83.500	0.00	0.00	0.002	0					0.08
83.583	0.00	0.00	0.002	0					0.08
83.667	0.00	0.00	0.002	0					0.08
83.750	0.00	0.00	0.002	0					0.08
83.833	0.00	0.00	0.001	0					0.07
83.917	0.00	0.00	0.001	0					0.07
84.000	0.00	0.00	0.001	0					0.07
84.083	0.00	0.00	0.001	0					0.07
84.167	0.00	0.00	0.001	0					0.07
84.250	0.00	0.00	0.001	0					0.07
84.333	0.00	0.00	0.001	0					0.07
84.417	0.00	0.00	0.001	0					0.06
84.500	0.00	0.00	0.001	0					0.06
84.583	0.00	0.00	0.001	0					0.06
84.667	0.00	0.00	0.001	0					0.06
84.750	0.00	0.00	0.001	0					0.06
84.833	0.00	0.00	0.001	0					0.06
84.917	0.00	0.00	0.001	0					0.06
85.000	0.00	0.00	0.001	0					0.06
85.083	0.00	0.00	0.001	0					0.05
85.167	0.00	0.00	0.001	0					0.05

85.250	0.00	0.00	0.001	0					0.05
85.333	0.00	0.00	0.001	0					0.05
85.417	0.00	0.00	0.001	0					0.05
85.500	0.00	0.00	0.001	0					0.05
85.583	0.00	0.00	0.001	0					0.05
85.667	0.00	0.00	0.001	0					0.05
85.750	0.00	0.00	0.001	0					0.05
85.833	0.00	0.00	0.001	0					0.05
85.917	0.00	0.00	0.001	0					0.04
86.000	0.00	0.00	0.001	0					0.04
86.083	0.00	0.00	0.001	0					0.04
86.167	0.00	0.00	0.001	0					0.04
86.250	0.00	0.00	0.001	0					0.04
86.333	0.00	0.00	0.001	0					0.04
86.417	0.00	0.00	0.001	0					0.04
86.500	0.00	0.00	0.001	0					0.04
86.583	0.00	0.00	0.001	0					0.04
86.667	0.00	0.00	0.001	0					0.04
86.750	0.00	0.00	0.001	0					0.04
86.833	0.00	0.00	0.001	0					0.04
86.917	0.00	0.00	0.001	0					0.03
87.000	0.00	0.00	0.001	0					0.03
87.083	0.00	0.00	0.001	0					0.03
87.167	0.00	0.00	0.001	0					0.03
87.250	0.00	0.00	0.001	0					0.03
87.333	0.00	0.00	0.001	0					0.03
87.417	0.00	0.00	0.001	0					0.03
87.500	0.00	0.00	0.001	0					0.03
87.583	0.00	0.00	0.001	0					0.03
87.667	0.00	0.00	0.001	0					0.03
87.750	0.00	0.00	0.001	0					0.03
87.833	0.00	0.00	0.001	0					0.03
87.917	0.00	0.00	0.001	0					0.03
88.000	0.00	0.00	0.001	0					0.03
88.083	0.00	0.00	0.001	0					0.03
88.167	0.00	0.00	0.001	0					0.03
88.250	0.00	0.00	0.000	0					0.02
88.333	0.00	0.00	0.000	0					0.02
88.417	0.00	0.00	0.000	0					0.02
88.500	0.00	0.00	0.000	0					0.02
88.583	0.00	0.00	0.000	0					0.02
88.667	0.00	0.00	0.000	0					0.02
88.750	0.00	0.00	0.000	0					0.02
88.833	0.00	0.00	0.000	0					0.02
88.917	0.00	0.00	0.000	0					0.02
89.000	0.00	0.00	0.000	0					0.02
89.083	0.00	0.00	0.000	0					0.02
89.167	0.00	0.00	0.000	0					0.02
89.250	0.00	0.00	0.000	0					0.02
89.333	0.00	0.00	0.000	0					0.02

89.417	0.00	0.00	0.000	0					0.02
89.500	0.00	0.00	0.000	0					0.02
89.583	0.00	0.00	0.000	0					0.02
89.667	0.00	0.00	0.000	0					0.02
89.750	0.00	0.00	0.000	0					0.02
89.833	0.00	0.00	0.000	0					0.02
89.917	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1079

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.043 (CFS)

Total volume = 0.173 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
5 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da2245.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.802 (CFS)
Total volume = 0.487 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.40	0.60	0.80	Depth (Ft.)
0.083	0.03	0.00	0.000	OI					0.00
0.167	0.04	0.00	0.000	OI					0.02
0.250	0.05	0.00	0.001	OI					0.03
0.333	0.06	0.00	0.001	O I					0.05
0.417	0.07	0.00	0.001	O I					0.07
0.500	0.07	0.01	0.002	O I					0.09
0.583	0.07	0.01	0.002	O I					0.11
0.667	0.07	0.01	0.003	O I					0.11
0.750	0.07	0.01	0.003	O I					0.12
0.833	0.08	0.01	0.004	O I					0.13
0.917	0.09	0.01	0.004	O I					0.14
1.000	0.09	0.01	0.005	O I					0.15
1.083	0.08	0.01	0.005	O I					0.16
1.167	0.07	0.01	0.006	O I					0.17
1.250	0.07	0.01	0.006	O I					0.18
1.333	0.07	0.01	0.007	O I					0.19
1.417	0.07	0.01	0.007	O I					0.20
1.500	0.07	0.01	0.008	O I					0.21
1.583	0.07	0.01	0.008	O I					0.21
1.667	0.07	0.01	0.008	O I					0.22
1.750	0.07	0.01	0.009	O I					0.23
1.833	0.08	0.01	0.009	O I					0.24

1.917	0.09	0.01	0.010	0	I					0.25
2.000	0.09	0.01	0.010	0	I					0.26
2.083	0.09	0.01	0.011	0	I					0.27
2.167	0.09	0.01	0.012	0	I					0.28
2.250	0.09	0.01	0.012	0	I					0.29
2.333	0.09	0.01	0.013	0	I					0.31
2.417	0.09	0.01	0.013	0	I					0.32
2.500	0.09	0.01	0.014	0	I					0.33
2.583	0.11	0.01	0.015	0	I					0.34
2.667	0.12	0.01	0.015	0	I					0.35
2.750	0.12	0.01	0.016	0	I					0.37
2.833	0.12	0.01	0.017	0	I					0.38
2.917	0.12	0.01	0.017	0	I					0.39
3.000	0.12	0.01	0.018	0	I					0.41
3.083	0.12	0.01	0.019	0	I					0.42
3.167	0.12	0.01	0.020	0	I					0.44
3.250	0.12	0.01	0.020	0	I					0.45
3.333	0.12	0.01	0.021	0	I					0.46
3.417	0.12	0.02	0.022	0	I					0.48
3.500	0.12	0.02	0.022	0	I					0.49
3.583	0.12	0.02	0.023	0	I					0.50
3.667	0.12	0.02	0.024	0	I					0.52
3.750	0.12	0.02	0.024	0	I					0.53
3.833	0.13	0.02	0.025	0	I					0.54
3.917	0.14	0.02	0.026	0	I					0.56
4.000	0.14	0.02	0.027	0	I					0.58
4.083	0.14	0.02	0.028	0	I					0.59
4.167	0.14	0.02	0.029	0	I					0.61
4.250	0.14	0.02	0.029	0	I					0.62
4.333	0.15	0.02	0.030	0	I					0.64
4.417	0.16	0.02	0.031	0	I					0.66
4.500	0.17	0.02	0.032	0	I					0.68
4.583	0.17	0.02	0.033	0	I					0.70
4.667	0.17	0.02	0.034	0	I					0.72
4.750	0.17	0.02	0.035	0	I					0.74
4.833	0.18	0.02	0.036	0	I					0.76
4.917	0.19	0.02	0.037	0	I					0.78
5.000	0.19	0.02	0.038	0	I					0.80
5.083	0.16	0.02	0.040	0	I					0.82
5.167	0.14	0.02	0.040	0	I					0.84
5.250	0.14	0.02	0.041	0	I					0.85
5.333	0.15	0.02	0.042	0	I					0.87
5.417	0.16	0.03	0.043	0	I					0.89
5.500	0.17	0.03	0.044	0	I					0.90
5.583	0.18	0.03	0.045	0	I					0.92
5.667	0.19	0.03	0.046	0	I					0.94
5.750	0.19	0.03	0.047	0	I					0.96
5.833	0.19	0.03	0.048	0	I					0.99
5.917	0.19	0.03	0.049	0	I					1.00
6.000	0.19	0.03	0.050	0	I					1.02

6.083	0.20	0.03	0.052	0	I				1.03
6.167	0.21	0.03	0.053	0	I				1.05
6.250	0.21	0.03	0.054	0	I				1.06
6.333	0.21	0.03	0.055	0	I				1.08
6.417	0.21	0.03	0.057	0	I				1.10
6.500	0.21	0.03	0.058	0	I				1.11
6.583	0.23	0.03	0.059	0	I				1.13
6.667	0.23	0.03	0.061	0	I				1.14
6.750	0.24	0.03	0.062	0	I				1.16
6.833	0.24	0.03	0.063	0	I				1.18
6.917	0.24	0.03	0.065	0	I				1.20
7.000	0.24	0.03	0.066	0	I				1.22
7.083	0.24	0.03	0.068	0	I				1.23
7.167	0.24	0.03	0.069	0	I				1.25
7.250	0.24	0.03	0.070	0	I				1.27
7.333	0.25	0.03	0.072	0	I				1.29
7.417	0.26	0.03	0.073	0	I				1.31
7.500	0.26	0.03	0.075	0	I				1.33
7.583	0.27	0.03	0.077	0	I				1.35
7.667	0.28	0.03	0.078	0	I				1.37
7.750	0.28	0.03	0.080	0	I				1.39
7.833	0.30	0.03	0.082	0	I				1.41
7.917	0.30	0.03	0.084	0	I				1.43
8.000	0.31	0.03	0.086	0	I				1.46
8.083	0.33	0.03	0.088	0	I				1.48
8.167	0.35	0.03	0.090	0	I				1.51
8.250	0.35	0.03	0.092	0	I				1.54
8.333	0.35	0.03	0.094	0	I				1.56
8.417	0.35	0.03	0.096	0	I				1.59
8.500	0.35	0.03	0.098	0	I				1.62
8.583	0.37	0.04	0.101	0	I				1.65
8.667	0.38	0.04	0.103	0	I				1.67
8.750	0.38	0.04	0.105	0	I				1.70
8.833	0.39	0.04	0.108	0	I				1.73
8.917	0.40	0.04	0.110	0	I				1.76
9.000	0.40	0.04	0.113	0	I				1.80
9.083	0.43	0.04	0.115	0	I				1.83
9.167	0.44	0.04	0.118	0	I				1.86
9.250	0.45	0.04	0.121	0	I				1.90
9.333	0.46	0.04	0.124	0	I				1.93
9.417	0.47	0.04	0.127	0	I				1.97
9.500	0.47	0.04	0.130	0	I				2.01
9.583	0.48	0.04	0.133	0	I				2.04
9.667	0.49	0.04	0.136	0	I				2.07
9.750	0.50	0.04	0.139	0	I				2.10
9.833	0.51	0.04	0.142	0	I				2.14
9.917	0.52	0.04	0.145	0	I				2.17
10.000	0.52	0.04	0.149	0	I				2.21
10.083	0.43	0.04	0.152	0	I				2.24
10.167	0.37	0.04	0.154	0	I				2.26

10.250	0.35	0.04	0.156	0	I			2.29
10.333	0.35	0.04	0.158	0	I			2.31
10.417	0.35	0.04	0.160	0	I			2.33
10.500	0.35	0.04	0.163	0	I			2.35
10.583	0.42	0.04	0.165	0	I			2.38
10.667	0.46	0.04	0.168	0		I		2.41
10.750	0.47	0.04	0.171	0		I		2.44
10.833	0.47	0.04	0.174	0		I		2.47
10.917	0.47	0.04	0.177	0		I		2.50
11.000	0.47	0.04	0.180	0		I		2.53
11.083	0.46	0.04	0.182	0		I		2.56
11.167	0.45	0.04	0.185	0		I		2.59
11.250	0.45	0.04	0.188	0		I		2.62
11.333	0.45	0.04	0.191	0		I		2.65
11.417	0.45	0.05	0.194	0		I		2.68
11.500	0.45	0.05	0.196	0		I		2.71
11.583	0.42	0.05	0.199	0	I			2.74
11.667	0.40	0.05	0.202	0	I			2.76
11.750	0.40	0.05	0.204	0	I			2.79
11.833	0.41	0.05	0.206	0	I			2.82
11.917	0.42	0.05	0.209	0	I			2.84
12.000	0.42	0.05	0.212	0	I			2.87
12.083	0.51	0.05	0.215	0		I		2.90
12.167	0.58	0.05	0.218	0			I	2.94
12.250	0.59	0.05	0.222	0			I	2.98
12.333	0.60	0.05	0.225	0			I	3.01
12.417	0.61	0.05	0.229	0			I	3.05
12.500	0.61	0.05	0.233	0			I	3.09
12.583	0.64	0.05	0.237	0			I	3.13
12.667	0.66	0.05	0.241	0			I	3.18
12.750	0.66	0.05	0.245	0			I	3.22
12.833	0.67	0.05	0.250	0			I	3.26
12.917	0.68	0.05	0.254	0			I	3.31
13.000	0.68	0.05	0.258	0			I	3.35
13.083	0.75	0.05	0.263	0			I	3.40
13.167	0.79	0.05	0.268	0			I	3.45
13.250	0.80	0.05	0.273	0			I	3.50
13.333	0.80	0.05	0.278	0			I	3.55
13.417	0.80	0.05	0.283	0			I	3.61
13.500	0.80	0.05	0.289	0			I	3.66
13.583	0.66	0.05	0.293	0			I	3.71
13.667	0.56	0.05	0.297	0		I		3.75
13.750	0.54	0.05	0.300	0		I		3.78
13.833	0.54	0.05	0.304	0		I		3.81
13.917	0.54	0.05	0.307	0		I		3.85
14.000	0.54	0.06	0.311	0		I		3.88
14.083	0.59	0.06	0.314	0		I		3.92
14.167	0.63	0.06	0.318	0			I	3.96
14.250	0.64	0.06	0.322	0			I	4.00
14.333	0.62	0.06	0.326	0			I	4.04

14.417	0.61	0.06	0.330	0			I	4.08
14.500	0.61	0.06	0.334	0			I	4.12
14.583	0.61	0.06	0.337	0			I	4.16
14.667	0.61	0.06	0.341	0			I	4.20
14.750	0.61	0.06	0.345	0			I	4.23
14.833	0.60	0.06	0.349	0			I	4.27
14.917	0.59	0.06	0.352	0			I	4.31
15.000	0.59	0.06	0.356	0			I	4.35
15.083	0.58	0.06	0.360	0			I	4.39
15.167	0.57	0.06	0.363	0			I	4.42
15.250	0.57	0.06	0.367	0			I	4.46
15.333	0.55	0.06	0.370	0			I	4.49
15.417	0.54	0.06	0.374	0			I	4.53
15.500	0.54	0.07	0.377	0			I	4.56
15.583	0.49	0.08	0.380	0		I		4.60
15.667	0.45	0.08	0.383	0		I		4.63
15.750	0.45	0.09	0.385	0		I		4.65
15.833	0.45	0.09	0.388	0		I		4.68
15.917	0.45	0.10	0.390	0		I		4.71
16.000	0.45	0.10	0.392	0		I		4.73
16.083	0.25	0.11	0.394	0	I			4.75
16.167	0.12	0.11	0.395	0				4.76
16.250	0.09	0.11	0.395	IO				4.76
16.333	0.09	0.11	0.395	IO				4.76
16.417	0.09	0.11	0.394	IO				4.76
16.500	0.09	0.11	0.394	IO				4.75
16.583	0.08	0.11	0.394	IO				4.75
16.667	0.07	0.11	0.394	I 0				4.75
16.750	0.07	0.10	0.394	I 0				4.75
16.833	0.07	0.10	0.394	I 0				4.75
16.917	0.07	0.10	0.393	I 0				4.74
17.000	0.07	0.10	0.393	I 0				4.74
17.083	0.10	0.10	0.393	IO				4.74
17.167	0.11	0.10	0.393	0				4.74
17.250	0.12	0.10	0.393	0				4.74
17.333	0.12	0.10	0.393	0				4.74
17.417	0.12	0.10	0.393	0				4.74
17.500	0.12	0.10	0.393	0				4.74
17.583	0.12	0.10	0.394	0				4.74
17.667	0.12	0.10	0.394	0				4.75
17.750	0.12	0.10	0.394	0				4.75
17.833	0.10	0.10	0.394	0				4.75
17.917	0.10	0.10	0.394	IO				4.75
18.000	0.09	0.10	0.394	IO				4.75
18.083	0.09	0.10	0.394	IO				4.75
18.167	0.09	0.10	0.394	IO				4.75
18.250	0.09	0.10	0.393	IO				4.74
18.333	0.09	0.10	0.393	IO				4.74
18.417	0.09	0.10	0.393	IO				4.74
18.500	0.09	0.10	0.393	IO				4.74

18.583	0.08	0.10	0.393	IO					4.74
18.667	0.07	0.10	0.393	I O					4.74
18.750	0.07	0.10	0.393	I O					4.74
18.833	0.06	0.10	0.393	I O					4.73
18.917	0.05	0.10	0.392	I O					4.73
19.000	0.05	0.10	0.392	I O					4.73
19.083	0.06	0.10	0.391	IO					4.72
19.167	0.07	0.10	0.391	IO					4.72
19.250	0.07	0.10	0.391	IO					4.72
19.333	0.08	0.10	0.391	O					4.72
19.417	0.09	0.10	0.391	O					4.72
19.500	0.09	0.10	0.391	O					4.72
19.583	0.08	0.10	0.391	O					4.71
19.667	0.07	0.10	0.391	IO					4.71
19.750	0.07	0.10	0.390	IO					4.71
19.833	0.06	0.10	0.390	IO					4.71
19.917	0.05	0.10	0.390	I O					4.70
20.000	0.05	0.10	0.390	I O					4.70
20.083	0.06	0.10	0.389	IO					4.70
20.167	0.07	0.10	0.389	IO					4.70
20.250	0.07	0.09	0.389	IO					4.69
20.333	0.07	0.09	0.389	IO					4.69
20.417	0.07	0.09	0.389	IO					4.69
20.500	0.07	0.09	0.388	IO					4.69
20.583	0.07	0.09	0.388	IO					4.69
20.667	0.07	0.09	0.388	IO					4.69
20.750	0.07	0.09	0.388	IO					4.68
20.833	0.06	0.09	0.388	IO					4.68
20.917	0.05	0.09	0.387	I O					4.68
21.000	0.05	0.09	0.387	I O					4.68
21.083	0.06	0.09	0.387	IO					4.67
21.167	0.07	0.09	0.387	IO					4.67
21.250	0.07	0.09	0.387	IO					4.67
21.333	0.06	0.09	0.386	IO					4.67
21.417	0.05	0.09	0.386	I O					4.66
21.500	0.05	0.09	0.386	I O					4.66
21.583	0.06	0.09	0.386	IO					4.66
21.667	0.07	0.09	0.385	IO					4.66
21.750	0.07	0.09	0.385	IO					4.66
21.833	0.06	0.09	0.385	IO					4.65
21.917	0.05	0.09	0.385	I O					4.65
22.000	0.05	0.09	0.385	I O					4.65
22.083	0.06	0.09	0.384	IO					4.65
22.167	0.07	0.09	0.384	IO					4.64
22.250	0.07	0.09	0.384	IO					4.64
22.333	0.06	0.09	0.384	IO					4.64
22.417	0.05	0.08	0.384	I O					4.64
22.500	0.05	0.08	0.384	I O					4.64
22.583	0.05	0.08	0.383	I O					4.63
22.667	0.05	0.08	0.383	I O					4.63

22.750	0.05	0.08	0.383	I 0					4.63
22.833	0.05	0.08	0.383	I 0					4.63
22.917	0.05	0.08	0.382	I 0					4.62
23.000	0.05	0.08	0.382	I 0					4.62
23.083	0.05	0.08	0.382	I 0					4.62
23.167	0.05	0.08	0.382	I 0					4.61
23.250	0.05	0.08	0.381	I 0					4.61
23.333	0.05	0.08	0.381	I 0					4.61
23.417	0.05	0.08	0.381	I 0					4.61
23.500	0.05	0.08	0.381	I 0					4.61
23.583	0.05	0.08	0.380	I 0					4.60
23.667	0.05	0.08	0.380	I 0					4.60
23.750	0.05	0.08	0.380	I 0					4.60
23.833	0.05	0.08	0.380	I 0					4.60
23.917	0.05	0.08	0.380	I 0					4.59
24.000	0.05	0.08	0.379	I 0					4.59
24.083	0.02	0.08	0.379	I 0					4.59
24.167	0.00	0.08	0.379	I 0					4.58
24.250	0.00	0.07	0.378	I 0					4.58
24.333	0.00	0.07	0.378	I 0					4.57
24.417	0.00	0.07	0.377	I 0					4.57
24.500	0.00	0.07	0.377	I 0					4.56
24.583	0.00	0.07	0.376	I 0					4.56
24.667	0.00	0.07	0.376	I 0					4.55
24.750	0.00	0.07	0.375	I 0					4.55
24.833	0.00	0.07	0.375	I 0					4.54
24.917	0.00	0.07	0.374	I 0					4.54
25.000	0.00	0.07	0.374	I 0					4.53
25.083	0.00	0.06	0.373	I 0					4.53
25.167	0.00	0.06	0.373	I 0					4.52
25.250	0.00	0.06	0.373	I 0					4.52
25.333	0.00	0.06	0.372	I 0					4.51
25.417	0.00	0.06	0.372	I 0					4.51
25.500	0.00	0.06	0.371	I 0					4.50
25.583	0.00	0.06	0.371	I 0					4.50
25.667	0.00	0.06	0.370	I 0					4.49
25.750	0.00	0.06	0.370	I 0					4.49
25.833	0.00	0.06	0.370	I 0					4.49
25.917	0.00	0.06	0.369	I 0					4.48
26.000	0.00	0.06	0.369	I 0					4.48
26.083	0.00	0.06	0.368	I 0					4.47
26.167	0.00	0.06	0.368	I 0					4.47
26.250	0.00	0.06	0.368	I 0					4.46
26.333	0.00	0.06	0.367	I 0					4.46
26.417	0.00	0.06	0.367	I 0					4.46
26.500	0.00	0.06	0.366	I 0					4.45
26.583	0.00	0.06	0.366	I 0					4.45
26.667	0.00	0.06	0.365	I 0					4.44
26.750	0.00	0.06	0.365	I 0					4.44
26.833	0.00	0.06	0.365	I 0					4.44

26.917	0.00	0.06	0.364	I 0					4.43
27.000	0.00	0.06	0.364	I 0					4.43
27.083	0.00	0.06	0.363	I 0					4.42
27.167	0.00	0.06	0.363	I 0					4.42
27.250	0.00	0.06	0.363	I 0					4.41
27.333	0.00	0.06	0.362	I 0					4.41
27.417	0.00	0.06	0.362	I 0					4.41
27.500	0.00	0.06	0.361	I 0					4.40
27.583	0.00	0.06	0.361	I 0					4.40
27.667	0.00	0.06	0.361	I 0					4.39
27.750	0.00	0.06	0.360	I 0					4.39
27.833	0.00	0.06	0.360	I 0					4.39
27.917	0.00	0.06	0.359	I 0					4.38
28.000	0.00	0.06	0.359	I 0					4.38
28.083	0.00	0.06	0.359	I 0					4.37
28.167	0.00	0.06	0.358	I 0					4.37
28.250	0.00	0.06	0.358	I 0					4.36
28.333	0.00	0.06	0.357	I 0					4.36
28.417	0.00	0.06	0.357	I 0					4.36
28.500	0.00	0.06	0.357	I 0					4.35
28.583	0.00	0.06	0.356	I 0					4.35
28.667	0.00	0.06	0.356	I 0					4.34
28.750	0.00	0.06	0.355	I 0					4.34
28.833	0.00	0.06	0.355	I 0					4.34
28.917	0.00	0.06	0.354	I 0					4.33
29.000	0.00	0.06	0.354	I 0					4.33
29.083	0.00	0.06	0.354	I 0					4.32
29.167	0.00	0.06	0.353	I 0					4.32
29.250	0.00	0.06	0.353	I 0					4.32
29.333	0.00	0.06	0.352	I 0					4.31
29.417	0.00	0.06	0.352	I 0					4.31
29.500	0.00	0.06	0.352	I 0					4.30
29.583	0.00	0.06	0.351	I 0					4.30
29.667	0.00	0.06	0.351	I 0					4.29
29.750	0.00	0.06	0.350	I 0					4.29
29.833	0.00	0.06	0.350	I 0					4.29
29.917	0.00	0.06	0.350	I 0					4.28
30.000	0.00	0.06	0.349	I 0					4.28
30.083	0.00	0.06	0.349	I 0					4.27
30.167	0.00	0.06	0.348	I 0					4.27
30.250	0.00	0.06	0.348	I 0					4.27
30.333	0.00	0.06	0.348	I 0					4.26
30.417	0.00	0.06	0.347	I 0					4.26
30.500	0.00	0.06	0.347	I 0					4.25
30.583	0.00	0.06	0.346	I 0					4.25
30.667	0.00	0.06	0.346	I 0					4.25
30.750	0.00	0.06	0.346	I 0					4.24
30.833	0.00	0.06	0.345	I 0					4.24
30.917	0.00	0.06	0.345	I 0					4.23
31.000	0.00	0.06	0.344	I 0					4.23

31.083	0.00	0.06	0.344	I 0					4.23
31.167	0.00	0.06	0.344	I 0					4.22
31.250	0.00	0.06	0.343	I 0					4.22
31.333	0.00	0.06	0.343	I 0					4.21
31.417	0.00	0.06	0.342	I 0					4.21
31.500	0.00	0.06	0.342	I 0					4.20
31.583	0.00	0.06	0.342	I 0					4.20
31.667	0.00	0.06	0.341	I 0					4.20
31.750	0.00	0.06	0.341	I 0					4.19
31.833	0.00	0.06	0.340	I 0					4.19
31.917	0.00	0.06	0.340	I 0					4.18
32.000	0.00	0.06	0.340	I 0					4.18
32.083	0.00	0.06	0.339	I 0					4.18
32.167	0.00	0.06	0.339	I 0					4.17
32.250	0.00	0.06	0.339	I 0					4.17
32.333	0.00	0.06	0.338	I 0					4.16
32.417	0.00	0.06	0.338	I 0					4.16
32.500	0.00	0.06	0.337	I 0					4.16
32.583	0.00	0.06	0.337	I 0					4.15
32.667	0.00	0.06	0.337	I 0					4.15
32.750	0.00	0.06	0.336	I 0					4.14
32.833	0.00	0.06	0.336	I 0					4.14
32.917	0.00	0.06	0.335	I 0					4.14
33.000	0.00	0.06	0.335	I 0					4.13
33.083	0.00	0.06	0.335	I 0					4.13
33.167	0.00	0.06	0.334	I 0					4.12
33.250	0.00	0.06	0.334	I 0					4.12
33.333	0.00	0.06	0.333	I 0					4.12
33.417	0.00	0.06	0.333	I 0					4.11
33.500	0.00	0.06	0.333	I 0					4.11
33.583	0.00	0.06	0.332	I 0					4.10
33.667	0.00	0.06	0.332	I 0					4.10
33.750	0.00	0.06	0.331	I 0					4.10
33.833	0.00	0.06	0.331	I 0					4.09
33.917	0.00	0.06	0.331	I 0					4.09
34.000	0.00	0.06	0.330	I 0					4.08
34.083	0.00	0.06	0.330	I 0					4.08
34.167	0.00	0.06	0.329	I 0					4.08
34.250	0.00	0.06	0.329	I 0					4.07
34.333	0.00	0.06	0.329	I 0					4.07
34.417	0.00	0.06	0.328	I 0					4.06
34.500	0.00	0.06	0.328	I 0					4.06
34.583	0.00	0.06	0.328	I 0					4.06
34.667	0.00	0.06	0.327	I 0					4.05
34.750	0.00	0.06	0.327	I 0					4.05
34.833	0.00	0.06	0.326	I 0					4.04
34.917	0.00	0.06	0.326	I 0					4.04
35.000	0.00	0.06	0.326	I 0					4.04
35.083	0.00	0.06	0.325	I 0					4.03
35.167	0.00	0.06	0.325	I 0					4.03

35.250	0.00	0.06	0.324	I 0					4.02
35.333	0.00	0.06	0.324	I 0					4.02
35.417	0.00	0.06	0.324	I 0					4.02
35.500	0.00	0.06	0.323	I 0					4.01
35.583	0.00	0.06	0.323	I 0					4.01
35.667	0.00	0.06	0.323	I 0					4.01
35.750	0.00	0.06	0.322	I 0					4.00
35.833	0.00	0.06	0.322	I 0					4.00
35.917	0.00	0.06	0.321	I 0					3.99
36.000	0.00	0.06	0.321	I 0					3.99
36.083	0.00	0.06	0.321	I 0					3.99
36.167	0.00	0.06	0.320	I 0					3.98
36.250	0.00	0.06	0.320	I 0					3.98
36.333	0.00	0.06	0.319	I 0					3.97
36.417	0.00	0.06	0.319	I 0					3.97
36.500	0.00	0.06	0.319	I 0					3.97
36.583	0.00	0.06	0.318	I 0					3.96
36.667	0.00	0.06	0.318	I 0					3.96
36.750	0.00	0.06	0.318	I 0					3.95
36.833	0.00	0.06	0.317	I 0					3.95
36.917	0.00	0.06	0.317	I 0					3.95
37.000	0.00	0.06	0.316	I 0					3.94
37.083	0.00	0.06	0.316	I 0					3.94
37.167	0.00	0.06	0.316	I 0					3.93
37.250	0.00	0.06	0.315	I 0					3.93
37.333	0.00	0.06	0.315	I 0					3.93
37.417	0.00	0.06	0.314	I 0					3.92
37.500	0.00	0.06	0.314	I 0					3.92
37.583	0.00	0.06	0.314	I 0					3.92
37.667	0.00	0.06	0.313	I 0					3.91
37.750	0.00	0.06	0.313	I 0					3.91
37.833	0.00	0.06	0.313	I 0					3.90
37.917	0.00	0.06	0.312	I 0					3.90
38.000	0.00	0.06	0.312	I 0					3.90
38.083	0.00	0.06	0.311	I 0					3.89
38.167	0.00	0.06	0.311	I 0					3.89
38.250	0.00	0.06	0.311	I 0					3.88
38.333	0.00	0.06	0.310	I 0					3.88
38.417	0.00	0.06	0.310	I 0					3.88
38.500	0.00	0.05	0.310	I 0					3.87
38.583	0.00	0.05	0.309	I 0					3.87
38.667	0.00	0.05	0.309	I 0					3.86
38.750	0.00	0.05	0.308	I 0					3.86
38.833	0.00	0.05	0.308	I 0					3.86
38.917	0.00	0.05	0.308	I 0					3.85
39.000	0.00	0.05	0.307	I 0					3.85
39.083	0.00	0.05	0.307	I 0					3.85
39.167	0.00	0.05	0.306	I 0					3.84
39.250	0.00	0.05	0.306	I 0					3.84
39.333	0.00	0.05	0.306	I 0					3.83

39.417	0.00	0.05	0.305	I 0					3.83
39.500	0.00	0.05	0.305	I 0					3.83
39.583	0.00	0.05	0.305	I 0					3.82
39.667	0.00	0.05	0.304	I 0					3.82
39.750	0.00	0.05	0.304	I 0					3.81
39.833	0.00	0.05	0.303	I 0					3.81
39.917	0.00	0.05	0.303	I 0					3.81
40.000	0.00	0.05	0.303	I 0					3.80
40.083	0.00	0.05	0.302	I 0					3.80
40.167	0.00	0.05	0.302	I 0					3.80
40.250	0.00	0.05	0.302	I 0					3.79
40.333	0.00	0.05	0.301	I 0					3.79
40.417	0.00	0.05	0.301	I 0					3.78
40.500	0.00	0.05	0.300	I 0					3.78
40.583	0.00	0.05	0.300	I 0					3.78
40.667	0.00	0.05	0.300	I 0					3.77
40.750	0.00	0.05	0.299	I 0					3.77
40.833	0.00	0.05	0.299	I 0					3.77
40.917	0.00	0.05	0.299	I 0					3.76
41.000	0.00	0.05	0.298	I 0					3.76
41.083	0.00	0.05	0.298	I 0					3.75
41.167	0.00	0.05	0.298	I 0					3.75
41.250	0.00	0.05	0.297	I 0					3.75
41.333	0.00	0.05	0.297	I 0					3.74
41.417	0.00	0.05	0.296	I 0					3.74
41.500	0.00	0.05	0.296	I 0					3.73
41.583	0.00	0.05	0.296	I 0					3.73
41.667	0.00	0.05	0.295	I 0					3.73
41.750	0.00	0.05	0.295	I 0					3.72
41.833	0.00	0.05	0.295	I 0					3.72
41.917	0.00	0.05	0.294	I 0					3.72
42.000	0.00	0.05	0.294	I 0					3.71
42.083	0.00	0.05	0.293	I 0					3.71
42.167	0.00	0.05	0.293	I 0					3.70
42.250	0.00	0.05	0.293	I 0					3.70
42.333	0.00	0.05	0.292	I 0					3.70
42.417	0.00	0.05	0.292	I 0					3.69
42.500	0.00	0.05	0.292	I 0					3.69
42.583	0.00	0.05	0.291	I 0					3.69
42.667	0.00	0.05	0.291	I 0					3.68
42.750	0.00	0.05	0.290	I 0					3.68
42.833	0.00	0.05	0.290	I 0					3.67
42.917	0.00	0.05	0.290	I 0					3.67
43.000	0.00	0.05	0.289	I 0					3.67
43.083	0.00	0.05	0.289	I 0					3.66
43.167	0.00	0.05	0.289	I 0					3.66
43.250	0.00	0.05	0.288	I 0					3.66
43.333	0.00	0.05	0.288	I 0					3.65
43.417	0.00	0.05	0.288	I 0					3.65
43.500	0.00	0.05	0.287	I 0					3.64

43.583	0.00	0.05	0.287	I 0					3.64
43.667	0.00	0.05	0.286	I 0					3.64
43.750	0.00	0.05	0.286	I 0					3.63
43.833	0.00	0.05	0.286	I 0					3.63
43.917	0.00	0.05	0.285	I 0					3.63
44.000	0.00	0.05	0.285	I 0					3.62
44.083	0.00	0.05	0.285	I 0					3.62
44.167	0.00	0.05	0.284	I 0					3.61
44.250	0.00	0.05	0.284	I 0					3.61
44.333	0.00	0.05	0.284	I 0					3.61
44.417	0.00	0.05	0.283	I 0					3.60
44.500	0.00	0.05	0.283	I 0					3.60
44.583	0.00	0.05	0.282	I 0					3.60
44.667	0.00	0.05	0.282	I 0					3.59
44.750	0.00	0.05	0.282	I 0					3.59
44.833	0.00	0.05	0.281	I 0					3.59
44.917	0.00	0.05	0.281	I 0					3.58
45.000	0.00	0.05	0.281	I 0					3.58
45.083	0.00	0.05	0.280	I 0					3.57
45.167	0.00	0.05	0.280	I 0					3.57
45.250	0.00	0.05	0.280	I 0					3.57
45.333	0.00	0.05	0.279	I 0					3.56
45.417	0.00	0.05	0.279	I 0					3.56
45.500	0.00	0.05	0.278	I 0					3.56
45.583	0.00	0.05	0.278	I 0					3.55
45.667	0.00	0.05	0.278	I 0					3.55
45.750	0.00	0.05	0.277	I 0					3.54
45.833	0.00	0.05	0.277	I 0					3.54
45.917	0.00	0.05	0.277	I 0					3.54
46.000	0.00	0.05	0.276	I 0					3.53
46.083	0.00	0.05	0.276	I 0					3.53
46.167	0.00	0.05	0.276	I 0					3.53
46.250	0.00	0.05	0.275	I 0					3.52
46.333	0.00	0.05	0.275	I 0					3.52
46.417	0.00	0.05	0.274	I 0					3.52
46.500	0.00	0.05	0.274	I 0					3.51
46.583	0.00	0.05	0.274	I 0					3.51
46.667	0.00	0.05	0.273	I 0					3.50
46.750	0.00	0.05	0.273	I 0					3.50
46.833	0.00	0.05	0.273	I 0					3.50
46.917	0.00	0.05	0.272	I 0					3.49
47.000	0.00	0.05	0.272	I 0					3.49
47.083	0.00	0.05	0.272	I 0					3.49
47.167	0.00	0.05	0.271	I 0					3.48
47.250	0.00	0.05	0.271	I 0					3.48
47.333	0.00	0.05	0.271	I 0					3.47
47.417	0.00	0.05	0.270	I 0					3.47
47.500	0.00	0.05	0.270	I 0					3.47
47.583	0.00	0.05	0.269	I 0					3.46
47.667	0.00	0.05	0.269	I 0					3.46

47.750	0.00	0.05	0.269	I 0					3.46
47.833	0.00	0.05	0.268	I 0					3.45
47.917	0.00	0.05	0.268	I 0					3.45
48.000	0.00	0.05	0.268	I 0					3.45
48.083	0.00	0.05	0.267	I 0					3.44
48.167	0.00	0.05	0.267	I 0					3.44
48.250	0.00	0.05	0.267	I 0					3.44
48.333	0.00	0.05	0.266	I 0					3.43
48.417	0.00	0.05	0.266	I 0					3.43
48.500	0.00	0.05	0.266	I 0					3.42
48.583	0.00	0.05	0.265	I 0					3.42
48.667	0.00	0.05	0.265	I 0					3.42
48.750	0.00	0.05	0.265	I 0					3.41
48.833	0.00	0.05	0.264	I 0					3.41
48.917	0.00	0.05	0.264	I 0					3.41
49.000	0.00	0.05	0.263	I 0					3.40
49.083	0.00	0.05	0.263	I 0					3.40
49.167	0.00	0.05	0.263	I 0					3.40
49.250	0.00	0.05	0.262	I 0					3.39
49.333	0.00	0.05	0.262	I 0					3.39
49.417	0.00	0.05	0.262	I 0					3.38
49.500	0.00	0.05	0.261	I 0					3.38
49.583	0.00	0.05	0.261	I 0					3.38
49.667	0.00	0.05	0.261	I 0					3.37
49.750	0.00	0.05	0.260	I 0					3.37
49.833	0.00	0.05	0.260	I 0					3.37
49.917	0.00	0.05	0.260	I 0					3.36
50.000	0.00	0.05	0.259	I 0					3.36
50.083	0.00	0.05	0.259	I 0					3.36
50.167	0.00	0.05	0.259	I 0					3.35
50.250	0.00	0.05	0.258	I 0					3.35
50.333	0.00	0.05	0.258	I 0					3.35
50.417	0.00	0.05	0.257	I 0					3.34
50.500	0.00	0.05	0.257	I 0					3.34
50.583	0.00	0.05	0.257	I 0					3.33
50.667	0.00	0.05	0.256	I 0					3.33
50.750	0.00	0.05	0.256	I 0					3.33
50.833	0.00	0.05	0.256	I 0					3.32
50.917	0.00	0.05	0.255	I 0					3.32
51.000	0.00	0.05	0.255	I 0					3.32
51.083	0.00	0.05	0.255	I 0					3.31
51.167	0.00	0.05	0.254	I 0					3.31
51.250	0.00	0.05	0.254	I 0					3.31
51.333	0.00	0.05	0.254	I 0					3.30
51.417	0.00	0.05	0.253	I 0					3.30
51.500	0.00	0.05	0.253	I 0					3.30
51.583	0.00	0.05	0.253	I 0					3.29
51.667	0.00	0.05	0.252	I 0					3.29
51.750	0.00	0.05	0.252	I 0					3.28
51.833	0.00	0.05	0.252	I 0					3.28

51.917	0.00	0.05	0.251	I 0					3.28
52.000	0.00	0.05	0.251	I 0					3.27
52.083	0.00	0.05	0.251	I 0					3.27
52.167	0.00	0.05	0.250	I 0					3.27
52.250	0.00	0.05	0.250	I 0					3.26
52.333	0.00	0.05	0.250	IO					3.26
52.417	0.00	0.05	0.249	IO					3.26
52.500	0.00	0.05	0.249	IO					3.25
52.583	0.00	0.05	0.248	IO					3.25
52.667	0.00	0.05	0.248	IO					3.25
52.750	0.00	0.05	0.248	IO					3.24
52.833	0.00	0.05	0.247	IO					3.24
52.917	0.00	0.05	0.247	IO					3.24
53.000	0.00	0.05	0.247	IO					3.23
53.083	0.00	0.05	0.246	IO					3.23
53.167	0.00	0.05	0.246	IO					3.23
53.250	0.00	0.05	0.246	IO					3.22
53.333	0.00	0.05	0.245	IO					3.22
53.417	0.00	0.05	0.245	IO					3.21
53.500	0.00	0.05	0.245	IO					3.21
53.583	0.00	0.05	0.244	IO					3.21
53.667	0.00	0.05	0.244	IO					3.20
53.750	0.00	0.05	0.244	IO					3.20
53.833	0.00	0.05	0.243	IO					3.20
53.917	0.00	0.05	0.243	IO					3.19
54.000	0.00	0.05	0.243	IO					3.19
54.083	0.00	0.05	0.242	IO					3.19
54.167	0.00	0.05	0.242	IO					3.18
54.250	0.00	0.05	0.242	IO					3.18
54.333	0.00	0.05	0.241	IO					3.18
54.417	0.00	0.05	0.241	IO					3.17
54.500	0.00	0.05	0.241	IO					3.17
54.583	0.00	0.05	0.240	IO					3.17
54.667	0.00	0.05	0.240	IO					3.16
54.750	0.00	0.05	0.240	IO					3.16
54.833	0.00	0.05	0.239	IO					3.16
54.917	0.00	0.05	0.239	IO					3.15
55.000	0.00	0.05	0.239	IO					3.15
55.083	0.00	0.05	0.238	IO					3.15
55.167	0.00	0.05	0.238	IO					3.14
55.250	0.00	0.05	0.238	IO					3.14
55.333	0.00	0.05	0.237	IO					3.13
55.417	0.00	0.05	0.237	IO					3.13
55.500	0.00	0.05	0.237	IO					3.13
55.583	0.00	0.05	0.236	IO					3.12
55.667	0.00	0.05	0.236	IO					3.12
55.750	0.00	0.05	0.236	IO					3.12
55.833	0.00	0.05	0.235	IO					3.11
55.917	0.00	0.05	0.235	IO					3.11
56.000	0.00	0.05	0.235	IO					3.11

56.083	0.00	0.05	0.234	IO					3.10
56.167	0.00	0.05	0.234	IO					3.10
56.250	0.00	0.05	0.234	IO					3.10
56.333	0.00	0.05	0.233	IO					3.09
56.417	0.00	0.05	0.233	IO					3.09
56.500	0.00	0.05	0.232	IO					3.09
56.583	0.00	0.05	0.232	IO					3.08
56.667	0.00	0.05	0.232	IO					3.08
56.750	0.00	0.05	0.231	IO					3.08
56.833	0.00	0.05	0.231	IO					3.07
56.917	0.00	0.05	0.231	IO					3.07
57.000	0.00	0.05	0.230	IO					3.07
57.083	0.00	0.05	0.230	IO					3.06
57.167	0.00	0.05	0.230	IO					3.06
57.250	0.00	0.05	0.229	IO					3.06
57.333	0.00	0.05	0.229	IO					3.05
57.417	0.00	0.05	0.229	IO					3.05
57.500	0.00	0.05	0.228	IO					3.05
57.583	0.00	0.05	0.228	IO					3.04
57.667	0.00	0.05	0.228	IO					3.04
57.750	0.00	0.05	0.227	IO					3.04
57.833	0.00	0.05	0.227	IO					3.03
57.917	0.00	0.05	0.227	IO					3.03
58.000	0.00	0.05	0.226	IO					3.03
58.083	0.00	0.05	0.226	IO					3.02
58.167	0.00	0.05	0.226	IO					3.02
58.250	0.00	0.05	0.225	IO					3.02
58.333	0.00	0.05	0.225	IO					3.01
58.417	0.00	0.05	0.225	IO					3.01
58.500	0.00	0.05	0.225	IO					3.01
58.583	0.00	0.05	0.224	IO					3.00
58.667	0.00	0.05	0.224	IO					3.00
58.750	0.00	0.05	0.224	IO					2.99
58.833	0.00	0.05	0.223	IO					2.99
58.917	0.00	0.05	0.223	IO					2.99
59.000	0.00	0.05	0.223	IO					2.98
59.083	0.00	0.05	0.222	IO					2.98
59.167	0.00	0.05	0.222	IO					2.98
59.250	0.00	0.05	0.222	IO					2.97
59.333	0.00	0.05	0.221	IO					2.97
59.417	0.00	0.05	0.221	IO					2.97
59.500	0.00	0.05	0.221	IO					2.96
59.583	0.00	0.05	0.220	IO					2.96
59.667	0.00	0.05	0.220	IO					2.96
59.750	0.00	0.05	0.220	IO					2.95
59.833	0.00	0.05	0.219	IO					2.95
59.917	0.00	0.05	0.219	IO					2.95
60.000	0.00	0.05	0.219	IO					2.94
60.083	0.00	0.05	0.218	IO					2.94
60.167	0.00	0.05	0.218	IO					2.94

60.250	0.00	0.05	0.218	IO					2.93
60.333	0.00	0.05	0.217	IO					2.93
60.417	0.00	0.05	0.217	IO					2.93
60.500	0.00	0.05	0.217	IO					2.92
60.583	0.00	0.05	0.216	IO					2.92
60.667	0.00	0.05	0.216	IO					2.92
60.750	0.00	0.05	0.216	IO					2.91
60.833	0.00	0.05	0.215	IO					2.91
60.917	0.00	0.05	0.215	IO					2.91
61.000	0.00	0.05	0.215	IO					2.90
61.083	0.00	0.05	0.214	IO					2.90
61.167	0.00	0.05	0.214	IO					2.89
61.250	0.00	0.05	0.214	IO					2.89
61.333	0.00	0.05	0.213	IO					2.89
61.417	0.00	0.05	0.213	IO					2.88
61.500	0.00	0.05	0.213	IO					2.88
61.583	0.00	0.05	0.212	IO					2.88
61.667	0.00	0.05	0.212	IO					2.87
61.750	0.00	0.05	0.212	IO					2.87
61.833	0.00	0.05	0.211	IO					2.87
61.917	0.00	0.05	0.211	IO					2.86
62.000	0.00	0.05	0.211	IO					2.86
62.083	0.00	0.05	0.210	IO					2.86
62.167	0.00	0.05	0.210	IO					2.85
62.250	0.00	0.05	0.210	IO					2.85
62.333	0.00	0.05	0.210	IO					2.85
62.417	0.00	0.05	0.209	IO					2.84
62.500	0.00	0.05	0.209	IO					2.84
62.583	0.00	0.05	0.209	IO					2.84
62.667	0.00	0.05	0.208	IO					2.83
62.750	0.00	0.05	0.208	IO					2.83
62.833	0.00	0.05	0.208	IO					2.83
62.917	0.00	0.05	0.207	IO					2.82
63.000	0.00	0.05	0.207	IO					2.82
63.083	0.00	0.05	0.207	IO					2.82
63.167	0.00	0.05	0.206	IO					2.81
63.250	0.00	0.05	0.206	IO					2.81
63.333	0.00	0.05	0.206	IO					2.81
63.417	0.00	0.05	0.205	IO					2.80
63.500	0.00	0.05	0.205	IO					2.80
63.583	0.00	0.05	0.205	IO					2.80
63.667	0.00	0.05	0.204	IO					2.79
63.750	0.00	0.05	0.204	IO					2.79
63.833	0.00	0.05	0.204	IO					2.79
63.917	0.00	0.05	0.203	IO					2.78
64.000	0.00	0.05	0.203	IO					2.78
64.083	0.00	0.05	0.203	IO					2.78
64.167	0.00	0.05	0.202	IO					2.77
64.250	0.00	0.05	0.202	IO					2.77
64.333	0.00	0.05	0.202	IO					2.77

64.417	0.00	0.05	0.202	IO					2.76
64.500	0.00	0.05	0.201	IO					2.76
64.583	0.00	0.05	0.201	IO					2.76
64.667	0.00	0.05	0.201	IO					2.75
64.750	0.00	0.05	0.200	IO					2.75
64.833	0.00	0.05	0.200	IO					2.75
64.917	0.00	0.05	0.200	IO					2.74
65.000	0.00	0.05	0.199	IO					2.74
65.083	0.00	0.05	0.199	IO					2.74
65.167	0.00	0.05	0.199	IO					2.73
65.250	0.00	0.05	0.198	IO					2.73
65.333	0.00	0.05	0.198	IO					2.73
65.417	0.00	0.05	0.198	IO					2.72
65.500	0.00	0.05	0.197	IO					2.72
65.583	0.00	0.05	0.197	IO					2.72
65.667	0.00	0.05	0.197	IO					2.71
65.750	0.00	0.05	0.197	IO					2.71
65.833	0.00	0.05	0.196	IO					2.71
65.917	0.00	0.05	0.196	IO					2.70
66.000	0.00	0.05	0.196	IO					2.70
66.083	0.00	0.05	0.195	IO					2.70
66.167	0.00	0.05	0.195	IO					2.69
66.250	0.00	0.05	0.195	IO					2.69
66.333	0.00	0.05	0.194	IO					2.69
66.417	0.00	0.05	0.194	IO					2.68
66.500	0.00	0.05	0.194	IO					2.68
66.583	0.00	0.05	0.193	IO					2.68
66.667	0.00	0.05	0.193	IO					2.67
66.750	0.00	0.05	0.193	IO					2.67
66.833	0.00	0.05	0.192	IO					2.67
66.917	0.00	0.04	0.192	IO					2.66
67.000	0.00	0.04	0.192	IO					2.66
67.083	0.00	0.04	0.192	IO					2.66
67.167	0.00	0.04	0.191	IO					2.66
67.250	0.00	0.04	0.191	IO					2.65
67.333	0.00	0.04	0.191	IO					2.65
67.417	0.00	0.04	0.190	IO					2.65
67.500	0.00	0.04	0.190	IO					2.64
67.583	0.00	0.04	0.190	IO					2.64
67.667	0.00	0.04	0.189	IO					2.64
67.750	0.00	0.04	0.189	IO					2.63
67.833	0.00	0.04	0.189	IO					2.63
67.917	0.00	0.04	0.188	IO					2.63
68.000	0.00	0.04	0.188	IO					2.62
68.083	0.00	0.04	0.188	IO					2.62
68.167	0.00	0.04	0.188	IO					2.62
68.250	0.00	0.04	0.187	IO					2.61
68.333	0.00	0.04	0.187	IO					2.61
68.417	0.00	0.04	0.187	IO					2.61
68.500	0.00	0.04	0.186	IO					2.60

68.583	0.00	0.04	0.186	IO					2.60
68.667	0.00	0.04	0.186	IO					2.60
68.750	0.00	0.04	0.185	IO					2.59
68.833	0.00	0.04	0.185	IO					2.59
68.917	0.00	0.04	0.185	IO					2.59
69.000	0.00	0.04	0.184	IO					2.58
69.083	0.00	0.04	0.184	IO					2.58
69.167	0.00	0.04	0.184	IO					2.58
69.250	0.00	0.04	0.184	IO					2.57
69.333	0.00	0.04	0.183	IO					2.57
69.417	0.00	0.04	0.183	IO					2.57
69.500	0.00	0.04	0.183	IO					2.56
69.583	0.00	0.04	0.182	IO					2.56
69.667	0.00	0.04	0.182	IO					2.56
69.750	0.00	0.04	0.182	IO					2.56
69.833	0.00	0.04	0.181	IO					2.55
69.917	0.00	0.04	0.181	IO					2.55
70.000	0.00	0.04	0.181	IO					2.55
70.083	0.00	0.04	0.181	IO					2.54
70.167	0.00	0.04	0.180	IO					2.54
70.250	0.00	0.04	0.180	IO					2.54
70.333	0.00	0.04	0.180	IO					2.53
70.417	0.00	0.04	0.179	IO					2.53
70.500	0.00	0.04	0.179	IO					2.53
70.583	0.00	0.04	0.179	IO					2.52
70.667	0.00	0.04	0.178	IO					2.52
70.750	0.00	0.04	0.178	IO					2.52
70.833	0.00	0.04	0.178	IO					2.51
70.917	0.00	0.04	0.178	IO					2.51
71.000	0.00	0.04	0.177	IO					2.51
71.083	0.00	0.04	0.177	IO					2.50
71.167	0.00	0.04	0.177	IO					2.50
71.250	0.00	0.04	0.176	IO					2.50
71.333	0.00	0.04	0.176	IO					2.49
71.417	0.00	0.04	0.176	IO					2.49
71.500	0.00	0.04	0.175	IO					2.49
71.583	0.00	0.04	0.175	IO					2.49
71.667	0.00	0.04	0.175	IO					2.48
71.750	0.00	0.04	0.175	IO					2.48
71.833	0.00	0.04	0.174	IO					2.48
71.917	0.00	0.04	0.174	IO					2.47
72.000	0.00	0.04	0.174	IO					2.47
72.083	0.00	0.04	0.173	IO					2.47
72.167	0.00	0.04	0.173	IO					2.46
72.250	0.00	0.04	0.173	IO					2.46
72.333	0.00	0.04	0.172	IO					2.46
72.417	0.00	0.04	0.172	IO					2.45
72.500	0.00	0.04	0.172	IO					2.45
72.583	0.00	0.04	0.172	IO					2.45
72.667	0.00	0.04	0.171	IO					2.44

72.750	0.00	0.04	0.171	IO					2.44
72.833	0.00	0.04	0.171	IO					2.44
72.917	0.00	0.04	0.170	IO					2.44
73.000	0.00	0.04	0.170	IO					2.43
73.083	0.00	0.04	0.170	IO					2.43
73.167	0.00	0.04	0.169	IO					2.43
73.250	0.00	0.04	0.169	IO					2.42
73.333	0.00	0.04	0.169	IO					2.42
73.417	0.00	0.04	0.169	IO					2.42
73.500	0.00	0.04	0.168	IO					2.41
73.583	0.00	0.04	0.168	IO					2.41
73.667	0.00	0.04	0.168	IO					2.41
73.750	0.00	0.04	0.167	IO					2.40
73.833	0.00	0.04	0.167	IO					2.40
73.917	0.00	0.04	0.167	IO					2.40
74.000	0.00	0.04	0.167	IO					2.40
74.083	0.00	0.04	0.166	IO					2.39
74.167	0.00	0.04	0.166	IO					2.39
74.250	0.00	0.04	0.166	IO					2.39
74.333	0.00	0.04	0.165	IO					2.38
74.417	0.00	0.04	0.165	IO					2.38
74.500	0.00	0.04	0.165	IO					2.38
74.583	0.00	0.04	0.164	IO					2.37
74.667	0.00	0.04	0.164	IO					2.37
74.750	0.00	0.04	0.164	IO					2.37
74.833	0.00	0.04	0.164	IO					2.36
74.917	0.00	0.04	0.163	IO					2.36
75.000	0.00	0.04	0.163	IO					2.36
75.083	0.00	0.04	0.163	IO					2.36
75.167	0.00	0.04	0.162	IO					2.35
75.250	0.00	0.04	0.162	IO					2.35
75.333	0.00	0.04	0.162	IO					2.35
75.417	0.00	0.04	0.162	IO					2.34
75.500	0.00	0.04	0.161	IO					2.34
75.583	0.00	0.04	0.161	IO					2.34
75.667	0.00	0.04	0.161	IO					2.33
75.750	0.00	0.04	0.160	IO					2.33
75.833	0.00	0.04	0.160	IO					2.33
75.917	0.00	0.04	0.160	IO					2.32
76.000	0.00	0.04	0.160	IO					2.32
76.083	0.00	0.04	0.159	IO					2.32
76.167	0.00	0.04	0.159	IO					2.32
76.250	0.00	0.04	0.159	IO					2.31
76.333	0.00	0.04	0.158	IO					2.31
76.417	0.00	0.04	0.158	IO					2.31
76.500	0.00	0.04	0.158	IO					2.30
76.583	0.00	0.04	0.158	IO					2.30
76.667	0.00	0.04	0.157	IO					2.30
76.750	0.00	0.04	0.157	IO					2.29
76.833	0.00	0.04	0.157	IO					2.29

76.917	0.00	0.04	0.156	IO					2.29
77.000	0.00	0.04	0.156	IO					2.29
77.083	0.00	0.04	0.156	IO					2.28
77.167	0.00	0.04	0.156	IO					2.28
77.250	0.00	0.04	0.155	IO					2.28
77.333	0.00	0.04	0.155	IO					2.27
77.417	0.00	0.04	0.155	IO					2.27
77.500	0.00	0.04	0.154	IO					2.27
77.583	0.00	0.04	0.154	IO					2.26
77.667	0.00	0.04	0.154	IO					2.26
77.750	0.00	0.04	0.154	IO					2.26
77.833	0.00	0.04	0.153	IO					2.26
77.917	0.00	0.04	0.153	IO					2.25
78.000	0.00	0.04	0.153	IO					2.25
78.083	0.00	0.04	0.152	IO					2.25
78.167	0.00	0.04	0.152	IO					2.24
78.250	0.00	0.04	0.152	IO					2.24
78.333	0.00	0.04	0.152	IO					2.24
78.417	0.00	0.04	0.151	IO					2.23
78.500	0.00	0.04	0.151	IO					2.23
78.583	0.00	0.04	0.151	IO					2.23
78.667	0.00	0.04	0.150	IO					2.23
78.750	0.00	0.04	0.150	IO					2.22
78.833	0.00	0.04	0.150	IO					2.22
78.917	0.00	0.04	0.150	IO					2.22
79.000	0.00	0.04	0.149	IO					2.21
79.083	0.00	0.04	0.149	IO					2.21
79.167	0.00	0.04	0.149	IO					2.21
79.250	0.00	0.04	0.148	IO					2.20
79.333	0.00	0.04	0.148	IO					2.20
79.417	0.00	0.04	0.148	IO					2.20
79.500	0.00	0.04	0.148	IO					2.20
79.583	0.00	0.04	0.147	IO					2.19
79.667	0.00	0.04	0.147	IO					2.19
79.750	0.00	0.04	0.147	IO					2.19
79.833	0.00	0.04	0.146	IO					2.18
79.917	0.00	0.04	0.146	IO					2.18
80.000	0.00	0.04	0.146	IO					2.18
80.083	0.00	0.04	0.146	IO					2.18
80.167	0.00	0.04	0.145	IO					2.17
80.250	0.00	0.04	0.145	IO					2.17
80.333	0.00	0.04	0.145	IO					2.17
80.417	0.00	0.04	0.145	IO					2.16
80.500	0.00	0.04	0.144	IO					2.16
80.583	0.00	0.04	0.144	IO					2.16
80.667	0.00	0.04	0.144	IO					2.15
80.750	0.00	0.04	0.143	IO					2.15
80.833	0.00	0.04	0.143	IO					2.15
80.917	0.00	0.04	0.143	IO					2.15
81.000	0.00	0.04	0.143	IO					2.14

81.083	0.00	0.04	0.142	IO					2.14
81.167	0.00	0.04	0.142	IO					2.14
81.250	0.00	0.04	0.142	IO					2.13
81.333	0.00	0.04	0.141	IO					2.13
81.417	0.00	0.04	0.141	IO					2.13
81.500	0.00	0.04	0.141	IO					2.13
81.583	0.00	0.04	0.141	IO					2.12
81.667	0.00	0.04	0.140	IO					2.12
81.750	0.00	0.04	0.140	IO					2.12
81.833	0.00	0.04	0.140	IO					2.11
81.917	0.00	0.04	0.140	IO					2.11
82.000	0.00	0.04	0.139	IO					2.11
82.083	0.00	0.04	0.139	IO					2.11
82.167	0.00	0.04	0.139	IO					2.10
82.250	0.00	0.04	0.138	IO					2.10
82.333	0.00	0.04	0.138	IO					2.10
82.417	0.00	0.04	0.138	IO					2.09
82.500	0.00	0.04	0.138	IO					2.09
82.583	0.00	0.04	0.137	IO					2.09
82.667	0.00	0.04	0.137	IO					2.08
82.750	0.00	0.04	0.137	IO					2.08
82.833	0.00	0.04	0.137	IO					2.08
82.917	0.00	0.04	0.136	IO					2.08
83.000	0.00	0.04	0.136	IO					2.07
83.083	0.00	0.04	0.136	IO					2.07
83.167	0.00	0.04	0.135	IO					2.07
83.250	0.00	0.04	0.135	IO					2.06
83.333	0.00	0.04	0.135	IO					2.06
83.417	0.00	0.04	0.135	IO					2.06
83.500	0.00	0.04	0.134	IO					2.06
83.583	0.00	0.04	0.134	IO					2.05
83.667	0.00	0.04	0.134	IO					2.05
83.750	0.00	0.04	0.134	IO					2.05
83.833	0.00	0.04	0.133	IO					2.04
83.917	0.00	0.04	0.133	IO					2.04
84.000	0.00	0.04	0.133	IO					2.04
84.083	0.00	0.04	0.132	IO					2.04
84.167	0.00	0.04	0.132	IO					2.03
84.250	0.00	0.04	0.132	IO					2.03
84.333	0.00	0.04	0.132	IO					2.03
84.417	0.00	0.04	0.131	IO					2.02
84.500	0.00	0.04	0.131	IO					2.02
84.583	0.00	0.04	0.131	IO					2.02
84.667	0.00	0.04	0.131	IO					2.02
84.750	0.00	0.04	0.130	IO					2.01
84.833	0.00	0.04	0.130	IO					2.01
84.917	0.00	0.04	0.130	IO					2.01
85.000	0.00	0.04	0.129	IO					2.00
85.083	0.00	0.04	0.129	IO					2.00
85.167	0.00	0.04	0.129	IO					2.00

85.250	0.00	0.04	0.129	IO					2.00
85.333	0.00	0.04	0.128	IO					1.99
85.417	0.00	0.04	0.128	IO					1.99
85.500	0.00	0.04	0.128	IO					1.99
85.583	0.00	0.04	0.128	IO					1.98
85.667	0.00	0.04	0.127	IO					1.98
85.750	0.00	0.04	0.127	IO					1.98
85.833	0.00	0.04	0.127	IO					1.97
85.917	0.00	0.04	0.127	IO					1.97
86.000	0.00	0.04	0.126	IO					1.97
86.083	0.00	0.04	0.126	IO					1.96
86.167	0.00	0.04	0.126	IO					1.96
86.250	0.00	0.04	0.125	IO					1.96
86.333	0.00	0.04	0.125	IO					1.95
86.417	0.00	0.04	0.125	IO					1.95
86.500	0.00	0.04	0.125	IO					1.95
86.583	0.00	0.04	0.124	IO					1.94
86.667	0.00	0.04	0.124	IO					1.94
86.750	0.00	0.04	0.124	IO					1.94
86.833	0.00	0.04	0.124	IO					1.93
86.917	0.00	0.04	0.123	IO					1.93
87.000	0.00	0.04	0.123	IO					1.93
87.083	0.00	0.04	0.123	IO					1.92
87.167	0.00	0.04	0.123	IO					1.92
87.250	0.00	0.04	0.122	IO					1.92
87.333	0.00	0.04	0.122	IO					1.91
87.417	0.00	0.04	0.122	IO					1.91
87.500	0.00	0.04	0.122	IO					1.91
87.583	0.00	0.04	0.121	IO					1.90
87.667	0.00	0.04	0.121	IO					1.90
87.750	0.00	0.04	0.121	IO					1.90
87.833	0.00	0.04	0.120	IO					1.89
87.917	0.00	0.04	0.120	IO					1.89
88.000	0.00	0.04	0.120	IO					1.89
88.083	0.00	0.04	0.120	IO					1.88
88.167	0.00	0.04	0.119	IO					1.88
88.250	0.00	0.04	0.119	IO					1.88
88.333	0.00	0.04	0.119	IO					1.87
88.417	0.00	0.04	0.119	IO					1.87
88.500	0.00	0.04	0.118	IO					1.87
88.583	0.00	0.04	0.118	IO					1.86
88.667	0.00	0.04	0.118	IO					1.86
88.750	0.00	0.04	0.118	IO					1.86
88.833	0.00	0.04	0.117	IO					1.85
88.917	0.00	0.04	0.117	IO					1.85
89.000	0.00	0.04	0.117	IO					1.85
89.083	0.00	0.04	0.117	IO					1.84
89.167	0.00	0.04	0.116	IO					1.84
89.250	0.00	0.04	0.116	IO					1.84
89.333	0.00	0.04	0.116	IO					1.84

89.417	0.00	0.04	0.116	IO					1.83
89.500	0.00	0.04	0.115	IO					1.83
89.583	0.00	0.04	0.115	IO					1.83
89.667	0.00	0.04	0.115	IO					1.82
89.750	0.00	0.04	0.115	IO					1.82
89.833	0.00	0.04	0.114	IO					1.82
89.917	0.00	0.04	0.114	IO					1.81
90.000	0.00	0.04	0.114	IO					1.81
90.083	0.00	0.04	0.114	IO					1.81
90.167	0.00	0.04	0.113	IO					1.80
90.250	0.00	0.04	0.113	IO					1.80
90.333	0.00	0.04	0.113	IO					1.80
90.417	0.00	0.04	0.113	IO					1.79
90.500	0.00	0.04	0.112	IO					1.79
90.583	0.00	0.04	0.112	IO					1.79
90.667	0.00	0.04	0.112	IO					1.78
90.750	0.00	0.04	0.112	IO					1.78
90.833	0.00	0.04	0.111	IO					1.78
90.917	0.00	0.04	0.111	IO					1.77
91.000	0.00	0.04	0.111	IO					1.77
91.083	0.00	0.04	0.110	IO					1.77
91.167	0.00	0.04	0.110	IO					1.77
91.250	0.00	0.04	0.110	IO					1.76
91.333	0.00	0.04	0.110	IO					1.76
91.417	0.00	0.04	0.109	IO					1.76
91.500	0.00	0.04	0.109	IO					1.75
91.583	0.00	0.04	0.109	IO					1.75
91.667	0.00	0.04	0.109	IO					1.75
91.750	0.00	0.04	0.108	IO					1.74
91.833	0.00	0.04	0.108	IO					1.74
91.917	0.00	0.04	0.108	IO					1.74
92.000	0.00	0.04	0.108	IO					1.73
92.083	0.00	0.04	0.107	IO					1.73
92.167	0.00	0.04	0.107	IO					1.73
92.250	0.00	0.04	0.107	IO					1.73
92.333	0.00	0.04	0.107	IO					1.72
92.417	0.00	0.04	0.107	IO					1.72
92.500	0.00	0.04	0.106	IO					1.72
92.583	0.00	0.04	0.106	IO					1.71
92.667	0.00	0.04	0.106	IO					1.71
92.750	0.00	0.04	0.106	IO					1.71
92.833	0.00	0.04	0.105	IO					1.70
92.917	0.00	0.04	0.105	IO					1.70
93.000	0.00	0.04	0.105	IO					1.70
93.083	0.00	0.04	0.105	IO					1.69
93.167	0.00	0.04	0.104	IO					1.69
93.250	0.00	0.04	0.104	IO					1.69
93.333	0.00	0.04	0.104	IO					1.69
93.417	0.00	0.04	0.104	IO					1.68
93.500	0.00	0.04	0.103	IO					1.68

93.583	0.00	0.04	0.103	IO					1.68
93.667	0.00	0.04	0.103	IO					1.67
93.750	0.00	0.04	0.103	IO					1.67
93.833	0.00	0.04	0.102	IO					1.67
93.917	0.00	0.04	0.102	IO					1.66
94.000	0.00	0.04	0.102	IO					1.66
94.083	0.00	0.04	0.102	IO					1.66
94.167	0.00	0.04	0.101	IO					1.65
94.250	0.00	0.04	0.101	IO					1.65
94.333	0.00	0.04	0.101	IO					1.65
94.417	0.00	0.04	0.101	IO					1.65
94.500	0.00	0.04	0.100	IO					1.64
94.583	0.00	0.04	0.100	IO					1.64
94.667	0.00	0.04	0.100	IO					1.64
94.750	0.00	0.03	0.100	IO					1.63
94.833	0.00	0.03	0.099	IO					1.63
94.917	0.00	0.03	0.099	IO					1.63
95.000	0.00	0.03	0.099	IO					1.62
95.083	0.00	0.03	0.099	IO					1.62
95.167	0.00	0.03	0.098	IO					1.62
95.250	0.00	0.03	0.098	IO					1.62
95.333	0.00	0.03	0.098	IO					1.61
95.417	0.00	0.03	0.098	IO					1.61
95.500	0.00	0.03	0.098	IO					1.61
95.583	0.00	0.03	0.097	IO					1.60
95.667	0.00	0.03	0.097	IO					1.60
95.750	0.00	0.03	0.097	IO					1.60
95.833	0.00	0.03	0.097	IO					1.59
95.917	0.00	0.03	0.096	IO					1.59
96.000	0.00	0.03	0.096	IO					1.59
96.083	0.00	0.03	0.096	IO					1.59
96.167	0.00	0.03	0.096	IO					1.58
96.250	0.00	0.03	0.095	IO					1.58
96.333	0.00	0.03	0.095	IO					1.58
96.417	0.00	0.03	0.095	IO					1.57
96.500	0.00	0.03	0.095	IO					1.57
96.583	0.00	0.03	0.094	IO					1.57
96.667	0.00	0.03	0.094	IO					1.56
96.750	0.00	0.03	0.094	IO					1.56
96.833	0.00	0.03	0.094	IO					1.56
96.917	0.00	0.03	0.093	IO					1.56
97.000	0.00	0.03	0.093	IO					1.55
97.083	0.00	0.03	0.093	IO					1.55
97.167	0.00	0.03	0.093	IO					1.55
97.250	0.00	0.03	0.093	IO					1.54
97.333	0.00	0.03	0.092	IO					1.54
97.417	0.00	0.03	0.092	IO					1.54
97.500	0.00	0.03	0.092	IO					1.54
97.583	0.00	0.03	0.092	IO					1.53
97.667	0.00	0.03	0.091	IO					1.53

97.750	0.00	0.03	0.091	IO					1.53
97.833	0.00	0.03	0.091	IO					1.52
97.917	0.00	0.03	0.091	IO					1.52
98.000	0.00	0.03	0.090	IO					1.52
98.083	0.00	0.03	0.090	IO					1.52
98.167	0.00	0.03	0.090	IO					1.51
98.250	0.00	0.03	0.090	IO					1.51
98.333	0.00	0.03	0.090	IO					1.51
98.417	0.00	0.03	0.089	IO					1.50
98.500	0.00	0.03	0.089	IO					1.50
98.583	0.00	0.03	0.089	IO					1.50
98.667	0.00	0.03	0.089	IO					1.50
98.750	0.00	0.03	0.088	IO					1.49
98.833	0.00	0.03	0.088	IO					1.49
98.917	0.00	0.03	0.088	IO					1.49
99.000	0.00	0.03	0.088	IO					1.48
99.083	0.00	0.03	0.087	IO					1.48
99.167	0.00	0.03	0.087	IO					1.48
99.250	0.00	0.03	0.087	IO					1.47
99.333	0.00	0.03	0.087	IO					1.47
99.417	0.00	0.03	0.087	IO					1.47
99.500	0.00	0.03	0.086	IO					1.47
99.583	0.00	0.03	0.086	IO					1.46
99.667	0.00	0.03	0.086	IO					1.46
99.750	0.00	0.03	0.086	IO					1.46
99.833	0.00	0.03	0.085	IO					1.46
99.917	0.00	0.03	0.085	IO					1.45
100.000	0.00	0.03	0.085	IO					1.45
100.083	0.00	0.03	0.085	IO					1.45
100.167	0.00	0.03	0.084	IO					1.44
100.250	0.00	0.03	0.084	IO					1.44
100.333	0.00	0.03	0.084	IO					1.44
100.417	0.00	0.03	0.084	IO					1.44
100.500	0.00	0.03	0.084	IO					1.43
100.583	0.00	0.03	0.083	IO					1.43
100.667	0.00	0.03	0.083	IO					1.43
100.750	0.00	0.03	0.083	IO					1.42
100.833	0.00	0.03	0.083	IO					1.42
100.917	0.00	0.03	0.082	IO					1.42
101.000	0.00	0.03	0.082	IO					1.42
101.083	0.00	0.03	0.082	IO					1.41
101.167	0.00	0.03	0.082	IO					1.41
101.250	0.00	0.03	0.082	IO					1.41
101.333	0.00	0.03	0.081	IO					1.40
101.417	0.00	0.03	0.081	IO					1.40
101.500	0.00	0.03	0.081	IO					1.40
101.583	0.00	0.03	0.081	IO					1.40
101.667	0.00	0.03	0.080	IO					1.39
101.750	0.00	0.03	0.080	IO					1.39
101.833	0.00	0.03	0.080	IO					1.39

101.917	0.00	0.03	0.080	IO					1.38
102.000	0.00	0.03	0.080	IO					1.38
102.083	0.00	0.03	0.079	IO					1.38
102.167	0.00	0.03	0.079	IO					1.38
102.250	0.00	0.03	0.079	IO					1.37
102.333	0.00	0.03	0.079	IO					1.37
102.417	0.00	0.03	0.078	IO					1.37
102.500	0.00	0.03	0.078	IO					1.37
102.583	0.00	0.03	0.078	IO					1.36
102.667	0.00	0.03	0.078	IO					1.36
102.750	0.00	0.03	0.078	IO					1.36
102.833	0.00	0.03	0.077	IO					1.35
102.917	0.00	0.03	0.077	IO					1.35
103.000	0.00	0.03	0.077	IO					1.35
103.083	0.00	0.03	0.077	IO					1.35
103.167	0.00	0.03	0.076	IO					1.34
103.250	0.00	0.03	0.076	IO					1.34
103.333	0.00	0.03	0.076	IO					1.34
103.417	0.00	0.03	0.076	IO					1.34
103.500	0.00	0.03	0.076	IO					1.33
103.583	0.00	0.03	0.075	IO					1.33
103.667	0.00	0.03	0.075	IO					1.33
103.750	0.00	0.03	0.075	IO					1.32
103.833	0.00	0.03	0.075	IO					1.32
103.917	0.00	0.03	0.075	IO					1.32
104.000	0.00	0.03	0.074	IO					1.32
104.083	0.00	0.03	0.074	IO					1.31
104.167	0.00	0.03	0.074	IO					1.31
104.250	0.00	0.03	0.074	IO					1.31
104.333	0.00	0.03	0.073	IO					1.31
104.417	0.00	0.03	0.073	IO					1.30
104.500	0.00	0.03	0.073	IO					1.30
104.583	0.00	0.03	0.073	IO					1.30
104.667	0.00	0.03	0.073	IO					1.29
104.750	0.00	0.03	0.072	IO					1.29
104.833	0.00	0.03	0.072	IO					1.29
104.917	0.00	0.03	0.072	IO					1.29
105.000	0.00	0.03	0.072	IO					1.28
105.083	0.00	0.03	0.071	IO					1.28
105.167	0.00	0.03	0.071	IO					1.28
105.250	0.00	0.03	0.071	IO					1.28
105.333	0.00	0.03	0.071	IO					1.27
105.417	0.00	0.03	0.071	IO					1.27
105.500	0.00	0.03	0.070	IO					1.27
105.583	0.00	0.03	0.070	IO					1.27
105.667	0.00	0.03	0.070	IO					1.26
105.750	0.00	0.03	0.070	IO					1.26
105.833	0.00	0.03	0.070	IO					1.26
105.917	0.00	0.03	0.069	IO					1.25
106.000	0.00	0.03	0.069	IO					1.25

106.083	0.00	0.03	0.069	IO					1.25
106.167	0.00	0.03	0.069	IO					1.25
106.250	0.00	0.03	0.069	IO					1.24
106.333	0.00	0.03	0.068	IO					1.24
106.417	0.00	0.03	0.068	IO					1.24
106.500	0.00	0.03	0.068	IO					1.24
106.583	0.00	0.03	0.068	IO					1.23
106.667	0.00	0.03	0.067	IO					1.23
106.750	0.00	0.03	0.067	IO					1.23
106.833	0.00	0.03	0.067	IO					1.23
106.917	0.00	0.03	0.067	IO					1.22
107.000	0.00	0.03	0.067	IO					1.22
107.083	0.00	0.03	0.066	IO					1.22
107.167	0.00	0.03	0.066	IO					1.22
107.250	0.00	0.03	0.066	IO					1.21
107.333	0.00	0.03	0.066	IO					1.21
107.417	0.00	0.03	0.066	IO					1.21
107.500	0.00	0.03	0.065	IO					1.20
107.583	0.00	0.03	0.065	IO					1.20
107.667	0.00	0.03	0.065	IO					1.20
107.750	0.00	0.03	0.065	IO					1.20
107.833	0.00	0.03	0.065	IO					1.19
107.917	0.00	0.03	0.064	IO					1.19
108.000	0.00	0.03	0.064	IO					1.19
108.083	0.00	0.03	0.064	IO					1.19
108.167	0.00	0.03	0.064	IO					1.18
108.250	0.00	0.03	0.064	IO					1.18
108.333	0.00	0.03	0.063	IO					1.18
108.417	0.00	0.03	0.063	IO					1.18
108.500	0.00	0.03	0.063	IO					1.17
108.583	0.00	0.03	0.063	IO					1.17
108.667	0.00	0.03	0.062	IO					1.17
108.750	0.00	0.03	0.062	IO					1.17
108.833	0.00	0.03	0.062	IO					1.16
108.917	0.00	0.03	0.062	IO					1.16
109.000	0.00	0.03	0.062	IO					1.16
109.083	0.00	0.03	0.061	IO					1.16
109.167	0.00	0.03	0.061	IO					1.15
109.250	0.00	0.03	0.061	IO					1.15
109.333	0.00	0.03	0.061	IO					1.15
109.417	0.00	0.03	0.061	IO					1.15
109.500	0.00	0.03	0.060	IO					1.14
109.583	0.00	0.03	0.060	IO					1.14
109.667	0.00	0.03	0.060	IO					1.14
109.750	0.00	0.03	0.060	IO					1.14
109.833	0.00	0.03	0.060	IO					1.13
109.917	0.00	0.03	0.059	IO					1.13
110.000	0.00	0.03	0.059	IO					1.13
110.083	0.00	0.03	0.059	IO					1.13
110.167	0.00	0.03	0.059	IO					1.12

110.250	0.00	0.03	0.059	IO					1.12
110.333	0.00	0.03	0.058	IO					1.12
110.417	0.00	0.03	0.058	IO					1.12
110.500	0.00	0.03	0.058	IO					1.11
110.583	0.00	0.03	0.058	IO					1.11
110.667	0.00	0.03	0.058	IO					1.11
110.750	0.00	0.03	0.057	IO					1.10
110.833	0.00	0.03	0.057	IO					1.10
110.917	0.00	0.03	0.057	IO					1.10
111.000	0.00	0.03	0.057	IO					1.10
111.083	0.00	0.03	0.057	IO					1.09
111.167	0.00	0.03	0.056	IO					1.09
111.250	0.00	0.03	0.056	IO					1.09
111.333	0.00	0.03	0.056	IO					1.09
111.417	0.00	0.03	0.056	IO					1.08
111.500	0.00	0.03	0.056	IO					1.08
111.583	0.00	0.03	0.055	IO					1.08
111.667	0.00	0.03	0.055	IO					1.08
111.750	0.00	0.03	0.055	IO					1.08
111.833	0.00	0.03	0.055	IO					1.07
111.917	0.00	0.03	0.055	IO					1.07
112.000	0.00	0.03	0.054	IO					1.07
112.083	0.00	0.03	0.054	IO					1.07
112.167	0.00	0.03	0.054	IO					1.06
112.250	0.00	0.03	0.054	IO					1.06
112.333	0.00	0.03	0.054	IO					1.06
112.417	0.00	0.03	0.053	IO					1.06
112.500	0.00	0.03	0.053	IO					1.05
112.583	0.00	0.03	0.053	IO					1.05
112.667	0.00	0.03	0.053	IO					1.05
112.750	0.00	0.03	0.053	IO					1.05
112.833	0.00	0.03	0.052	IO					1.04
112.917	0.00	0.03	0.052	IO					1.04
113.000	0.00	0.03	0.052	IO					1.04
113.083	0.00	0.03	0.052	IO					1.04
113.167	0.00	0.03	0.052	IO					1.03
113.250	0.00	0.03	0.051	IO					1.03
113.333	0.00	0.03	0.051	IO					1.03
113.417	0.00	0.03	0.051	IO					1.03
113.500	0.00	0.03	0.051	IO					1.02
113.583	0.00	0.03	0.051	IO					1.02
113.667	0.00	0.03	0.050	IO					1.02
113.750	0.00	0.03	0.050	IO					1.02
113.833	0.00	0.03	0.050	IO					1.01
113.917	0.00	0.03	0.050	IO					1.01
114.000	0.00	0.03	0.050	IO					1.01
114.083	0.00	0.03	0.050	IO					1.01
114.167	0.00	0.03	0.049	IO					1.00
114.250	0.00	0.03	0.049	IO					1.00
114.333	0.00	0.03	0.049	IO					1.00

114.417	0.00	0.03	0.049	IO					1.00
114.500	0.00	0.03	0.049	IO					0.99
114.583	0.00	0.03	0.048	IO					0.99
114.667	0.00	0.03	0.048	IO					0.98
114.750	0.00	0.03	0.048	IO					0.98
114.833	0.00	0.03	0.048	IO					0.98
114.917	0.00	0.03	0.048	IO					0.97
115.000	0.00	0.03	0.047	IO					0.97
115.083	0.00	0.03	0.047	IO					0.97
115.167	0.00	0.03	0.047	IO					0.96
115.250	0.00	0.03	0.047	IO					0.96
115.333	0.00	0.03	0.047	IO					0.96
115.417	0.00	0.03	0.046	IO					0.95
115.500	0.00	0.03	0.046	IO					0.95
115.583	0.00	0.03	0.046	IO					0.94
115.667	0.00	0.03	0.046	IO					0.94
115.750	0.00	0.03	0.046	IO					0.94
115.833	0.00	0.03	0.046	IO					0.93
115.917	0.00	0.03	0.045	IO					0.93
116.000	0.00	0.03	0.045	IO					0.93
116.083	0.00	0.03	0.045	IO					0.92
116.167	0.00	0.03	0.045	IO					0.92
116.250	0.00	0.03	0.045	IO					0.92
116.333	0.00	0.03	0.044	IO					0.91
116.417	0.00	0.03	0.044	IO					0.91
116.500	0.00	0.03	0.044	IO					0.91
116.583	0.00	0.03	0.044	IO					0.90
116.667	0.00	0.03	0.044	IO					0.90
116.750	0.00	0.03	0.044	IO					0.90
116.833	0.00	0.03	0.043	IO					0.89
116.917	0.00	0.03	0.043	IO					0.89
117.000	0.00	0.03	0.043	IO					0.89
117.083	0.00	0.03	0.043	IO					0.88
117.167	0.00	0.03	0.043	IO					0.88
117.250	0.00	0.02	0.043	O					0.88
117.333	0.00	0.02	0.042	O					0.87
117.417	0.00	0.02	0.042	O					0.87
117.500	0.00	0.02	0.042	O					0.87
117.583	0.00	0.02	0.042	O					0.86
117.667	0.00	0.02	0.042	O					0.86
117.750	0.00	0.02	0.042	O					0.86
117.833	0.00	0.02	0.041	O					0.85
117.917	0.00	0.02	0.041	O					0.85
118.000	0.00	0.02	0.041	O					0.85
118.083	0.00	0.02	0.041	O					0.84
118.167	0.00	0.02	0.041	O					0.84
118.250	0.00	0.02	0.041	O					0.84
118.333	0.00	0.02	0.040	O					0.83
118.417	0.00	0.02	0.040	O					0.83
118.500	0.00	0.02	0.040	O					0.83

118.583	0.00	0.02	0.040	0					0.83
118.667	0.00	0.02	0.040	0					0.82
118.750	0.00	0.02	0.040	0					0.82
118.833	0.00	0.02	0.039	0					0.82
118.917	0.00	0.02	0.039	0					0.81
119.000	0.00	0.02	0.039	0					0.81
119.083	0.00	0.02	0.039	0					0.81
119.167	0.00	0.02	0.039	0					0.80
119.250	0.00	0.02	0.039	0					0.80
119.333	0.00	0.02	0.038	0					0.80
119.417	0.00	0.02	0.038	0					0.79
119.500	0.00	0.02	0.038	0					0.79
119.583	0.00	0.02	0.038	0					0.79
119.667	0.00	0.02	0.038	0					0.79
119.750	0.00	0.02	0.038	0					0.78
119.833	0.00	0.02	0.037	0					0.78
119.917	0.00	0.02	0.037	0					0.78
120.000	0.00	0.02	0.037	0					0.77
120.083	0.00	0.02	0.037	0					0.77
120.167	0.00	0.02	0.037	0					0.77
120.250	0.00	0.02	0.037	0					0.76
120.333	0.00	0.02	0.037	0					0.76
120.417	0.00	0.02	0.036	0					0.76
120.500	0.00	0.02	0.036	0					0.76
120.583	0.00	0.02	0.036	0					0.75
120.667	0.00	0.02	0.036	0					0.75
120.750	0.00	0.02	0.036	0					0.75
120.833	0.00	0.02	0.036	0					0.74
120.917	0.00	0.02	0.036	0					0.74
121.000	0.00	0.02	0.035	0					0.74
121.083	0.00	0.02	0.035	0					0.74
121.167	0.00	0.02	0.035	0					0.73
121.250	0.00	0.02	0.035	0					0.73
121.333	0.00	0.02	0.035	0					0.73
121.417	0.00	0.02	0.035	0					0.72
121.500	0.00	0.02	0.034	0					0.72
121.583	0.00	0.02	0.034	0					0.72
121.667	0.00	0.02	0.034	0					0.72
121.750	0.00	0.02	0.034	0					0.71
121.833	0.00	0.02	0.034	0					0.71
121.917	0.00	0.02	0.034	0					0.71
122.000	0.00	0.02	0.034	0					0.71
122.083	0.00	0.02	0.033	0					0.70
122.167	0.00	0.02	0.033	0					0.70
122.250	0.00	0.02	0.033	0					0.70
122.333	0.00	0.02	0.033	0					0.69
122.417	0.00	0.02	0.033	0					0.69
122.500	0.00	0.02	0.033	0					0.69
122.583	0.00	0.02	0.033	0					0.69
122.667	0.00	0.02	0.032	0					0.68

122.750	0.00	0.02	0.032	0					0.68
122.833	0.00	0.02	0.032	0					0.68
122.917	0.00	0.02	0.032	0					0.68
123.000	0.00	0.02	0.032	0					0.67
123.083	0.00	0.02	0.032	0					0.67
123.167	0.00	0.02	0.032	0					0.67
123.250	0.00	0.02	0.032	0					0.66
123.333	0.00	0.02	0.031	0					0.66
123.417	0.00	0.02	0.031	0					0.66
123.500	0.00	0.02	0.031	0					0.66
123.583	0.00	0.02	0.031	0					0.65
123.667	0.00	0.02	0.031	0					0.65
123.750	0.00	0.02	0.031	0					0.65
123.833	0.00	0.02	0.031	0					0.65
123.917	0.00	0.02	0.030	0					0.64
124.000	0.00	0.02	0.030	0					0.64
124.083	0.00	0.02	0.030	0					0.64
124.167	0.00	0.02	0.030	0					0.64
124.250	0.00	0.02	0.030	0					0.63
124.333	0.00	0.02	0.030	0					0.63
124.417	0.00	0.02	0.030	0					0.63
124.500	0.00	0.02	0.030	0					0.63
124.583	0.00	0.02	0.029	0					0.62
124.667	0.00	0.02	0.029	0					0.62
124.750	0.00	0.02	0.029	0					0.62
124.833	0.00	0.02	0.029	0					0.62
124.917	0.00	0.02	0.029	0					0.61
125.000	0.00	0.02	0.029	0					0.61
125.083	0.00	0.02	0.029	0					0.61
125.167	0.00	0.02	0.028	0					0.61
125.250	0.00	0.02	0.028	0					0.60
125.333	0.00	0.02	0.028	0					0.60
125.417	0.00	0.02	0.028	0					0.60
125.500	0.00	0.02	0.028	0					0.60
125.583	0.00	0.02	0.028	0					0.60
125.667	0.00	0.02	0.028	0					0.59
125.750	0.00	0.02	0.028	0					0.59
125.833	0.00	0.02	0.027	0					0.59
125.917	0.00	0.02	0.027	0					0.59
126.000	0.00	0.02	0.027	0					0.58
126.083	0.00	0.02	0.027	0					0.58
126.167	0.00	0.02	0.027	0					0.58
126.250	0.00	0.02	0.027	0					0.58
126.333	0.00	0.02	0.027	0					0.57
126.417	0.00	0.02	0.027	0					0.57
126.500	0.00	0.02	0.027	0					0.57
126.583	0.00	0.02	0.026	0					0.57
126.667	0.00	0.02	0.026	0					0.56
126.750	0.00	0.02	0.026	0					0.56
126.833	0.00	0.02	0.026	0					0.56

126.917	0.00	0.02	0.026	0					0.56
127.000	0.00	0.02	0.026	0					0.56
127.083	0.00	0.02	0.026	0					0.55
127.167	0.00	0.02	0.026	0					0.55
127.250	0.00	0.02	0.025	0					0.55
127.333	0.00	0.02	0.025	0					0.55
127.417	0.00	0.02	0.025	0					0.54
127.500	0.00	0.02	0.025	0					0.54
127.583	0.00	0.02	0.025	0					0.54
127.667	0.00	0.02	0.025	0					0.54
127.750	0.00	0.02	0.025	0					0.54
127.833	0.00	0.02	0.025	0					0.53
127.917	0.00	0.02	0.025	0					0.53
128.000	0.00	0.02	0.024	0					0.53
128.083	0.00	0.02	0.024	0					0.53
128.167	0.00	0.02	0.024	0					0.52
128.250	0.00	0.02	0.024	0					0.52
128.333	0.00	0.02	0.024	0					0.52
128.417	0.00	0.02	0.024	0					0.52
128.500	0.00	0.02	0.024	0					0.52
128.583	0.00	0.02	0.024	0					0.51
128.667	0.00	0.02	0.024	0					0.51
128.750	0.00	0.02	0.023	0					0.51
128.833	0.00	0.02	0.023	0					0.51
128.917	0.00	0.02	0.023	0					0.51
129.000	0.00	0.02	0.023	0					0.50
129.083	0.00	0.02	0.023	0					0.50
129.167	0.00	0.02	0.023	0					0.50
129.250	0.00	0.02	0.023	0					0.50
129.333	0.00	0.02	0.023	0					0.50
129.417	0.00	0.02	0.023	0					0.49
129.500	0.00	0.02	0.022	0					0.49
129.583	0.00	0.02	0.022	0					0.49
129.667	0.00	0.02	0.022	0					0.49
129.750	0.00	0.02	0.022	0					0.48
129.833	0.00	0.02	0.022	0					0.48
129.917	0.00	0.02	0.022	0					0.48
130.000	0.00	0.02	0.022	0					0.48
130.083	0.00	0.02	0.022	0					0.48
130.167	0.00	0.02	0.022	0					0.47
130.250	0.00	0.02	0.021	0					0.47
130.333	0.00	0.02	0.021	0					0.47
130.417	0.00	0.02	0.021	0					0.47
130.500	0.00	0.01	0.021	0					0.47
130.583	0.00	0.01	0.021	0					0.46
130.667	0.00	0.01	0.021	0					0.46
130.750	0.00	0.01	0.021	0					0.46
130.833	0.00	0.01	0.021	0					0.46
130.917	0.00	0.01	0.021	0					0.46
131.000	0.00	0.01	0.021	0					0.46

131.083	0.00	0.01	0.020	0					0.45
131.167	0.00	0.01	0.020	0					0.45
131.250	0.00	0.01	0.020	0					0.45
131.333	0.00	0.01	0.020	0					0.45
131.417	0.00	0.01	0.020	0					0.45
131.500	0.00	0.01	0.020	0					0.44
131.583	0.00	0.01	0.020	0					0.44
131.667	0.00	0.01	0.020	0					0.44
131.750	0.00	0.01	0.020	0					0.44
131.833	0.00	0.01	0.020	0					0.44
131.917	0.00	0.01	0.019	0					0.43
132.000	0.00	0.01	0.019	0					0.43
132.083	0.00	0.01	0.019	0					0.43
132.167	0.00	0.01	0.019	0					0.43
132.250	0.00	0.01	0.019	0					0.43
132.333	0.00	0.01	0.019	0					0.42
132.417	0.00	0.01	0.019	0					0.42
132.500	0.00	0.01	0.019	0					0.42
132.583	0.00	0.01	0.019	0					0.42
132.667	0.00	0.01	0.019	0					0.42
132.750	0.00	0.01	0.018	0					0.42
132.833	0.00	0.01	0.018	0					0.41
132.917	0.00	0.01	0.018	0					0.41
133.000	0.00	0.01	0.018	0					0.41
133.083	0.00	0.01	0.018	0					0.41
133.167	0.00	0.01	0.018	0					0.41
133.250	0.00	0.01	0.018	0					0.40
133.333	0.00	0.01	0.018	0					0.40
133.417	0.00	0.01	0.018	0					0.40
133.500	0.00	0.01	0.018	0					0.40
133.583	0.00	0.01	0.018	0					0.40
133.667	0.00	0.01	0.017	0					0.40
133.750	0.00	0.01	0.017	0					0.39
133.833	0.00	0.01	0.017	0					0.39
133.917	0.00	0.01	0.017	0					0.39
134.000	0.00	0.01	0.017	0					0.39
134.083	0.00	0.01	0.017	0					0.39
134.167	0.00	0.01	0.017	0					0.39
134.250	0.00	0.01	0.017	0					0.38
134.333	0.00	0.01	0.017	0					0.38
134.417	0.00	0.01	0.017	0					0.38
134.500	0.00	0.01	0.017	0					0.38
134.583	0.00	0.01	0.016	0					0.38
134.667	0.00	0.01	0.016	0					0.38
134.750	0.00	0.01	0.016	0					0.37
134.833	0.00	0.01	0.016	0					0.37
134.917	0.00	0.01	0.016	0					0.37
135.000	0.00	0.01	0.016	0					0.37
135.083	0.00	0.01	0.016	0					0.37
135.167	0.00	0.01	0.016	0					0.37

135.250	0.00	0.01	0.016	0					0.36
135.333	0.00	0.01	0.016	0					0.36
135.417	0.00	0.01	0.016	0					0.36
135.500	0.00	0.01	0.016	0					0.36
135.583	0.00	0.01	0.015	0					0.36
135.667	0.00	0.01	0.015	0					0.36
135.750	0.00	0.01	0.015	0					0.35
135.833	0.00	0.01	0.015	0					0.35
135.917	0.00	0.01	0.015	0					0.35
136.000	0.00	0.01	0.015	0					0.35
136.083	0.00	0.01	0.015	0					0.35
136.167	0.00	0.01	0.015	0					0.35
136.250	0.00	0.01	0.015	0					0.34
136.333	0.00	0.01	0.015	0					0.34
136.417	0.00	0.01	0.015	0					0.34
136.500	0.00	0.01	0.015	0					0.34
136.583	0.00	0.01	0.014	0					0.34
136.667	0.00	0.01	0.014	0					0.34
136.750	0.00	0.01	0.014	0					0.34
136.833	0.00	0.01	0.014	0					0.33
136.917	0.00	0.01	0.014	0					0.33
137.000	0.00	0.01	0.014	0					0.33
137.083	0.00	0.01	0.014	0					0.33
137.167	0.00	0.01	0.014	0					0.33
137.250	0.00	0.01	0.014	0					0.33
137.333	0.00	0.01	0.014	0					0.32
137.417	0.00	0.01	0.014	0					0.32
137.500	0.00	0.01	0.014	0					0.32
137.583	0.00	0.01	0.013	0					0.32
137.667	0.00	0.01	0.013	0					0.32
137.750	0.00	0.01	0.013	0					0.32
137.833	0.00	0.01	0.013	0					0.32
137.917	0.00	0.01	0.013	0					0.31
138.000	0.00	0.01	0.013	0					0.31
138.083	0.00	0.01	0.013	0					0.31
138.167	0.00	0.01	0.013	0					0.31
138.250	0.00	0.01	0.013	0					0.31
138.333	0.00	0.01	0.013	0					0.31
138.417	0.00	0.01	0.013	0					0.31
138.500	0.00	0.01	0.013	0					0.30
138.583	0.00	0.01	0.013	0					0.30
138.667	0.00	0.01	0.012	0					0.30
138.750	0.00	0.01	0.012	0					0.30
138.833	0.00	0.01	0.012	0					0.30
138.917	0.00	0.01	0.012	0					0.30
139.000	0.00	0.01	0.012	0					0.30
139.083	0.00	0.01	0.012	0					0.29
139.167	0.00	0.01	0.012	0					0.29
139.250	0.00	0.01	0.012	0					0.29
139.333	0.00	0.01	0.012	0					0.29

139.417	0.00	0.01	0.012	0					0.29
139.500	0.00	0.01	0.012	0					0.29
139.583	0.00	0.01	0.012	0					0.29
139.667	0.00	0.01	0.012	0					0.28
139.750	0.00	0.01	0.012	0					0.28
139.833	0.00	0.01	0.011	0					0.28
139.917	0.00	0.01	0.011	0					0.28
140.000	0.00	0.01	0.011	0					0.28
140.083	0.00	0.01	0.011	0					0.28
140.167	0.00	0.01	0.011	0					0.28
140.250	0.00	0.01	0.011	0					0.27
140.333	0.00	0.01	0.011	0					0.27
140.417	0.00	0.01	0.011	0					0.27
140.500	0.00	0.01	0.011	0					0.27
140.583	0.00	0.01	0.011	0					0.27
140.667	0.00	0.01	0.011	0					0.27
140.750	0.00	0.01	0.011	0					0.27
140.833	0.00	0.01	0.011	0					0.27
140.917	0.00	0.01	0.011	0					0.26
141.000	0.00	0.01	0.010	0					0.26
141.083	0.00	0.01	0.010	0					0.26
141.167	0.00	0.01	0.010	0					0.26
141.250	0.00	0.01	0.010	0					0.26
141.333	0.00	0.01	0.010	0					0.26
141.417	0.00	0.01	0.010	0					0.26
141.500	0.00	0.01	0.010	0					0.25
141.583	0.00	0.01	0.010	0					0.25
141.667	0.00	0.01	0.010	0					0.25
141.750	0.00	0.01	0.010	0					0.25
141.833	0.00	0.01	0.010	0					0.25
141.917	0.00	0.01	0.010	0					0.25
142.000	0.00	0.01	0.010	0					0.25
142.083	0.00	0.01	0.010	0					0.25
142.167	0.00	0.01	0.010	0					0.24
142.250	0.00	0.01	0.009	0					0.24
142.333	0.00	0.01	0.009	0					0.24
142.417	0.00	0.01	0.009	0					0.24
142.500	0.00	0.01	0.009	0					0.24
142.583	0.00	0.01	0.009	0					0.24
142.667	0.00	0.01	0.009	0					0.24
142.750	0.00	0.01	0.009	0					0.24
142.833	0.00	0.01	0.009	0					0.23
142.917	0.00	0.01	0.009	0					0.23
143.000	0.00	0.01	0.009	0					0.23
143.083	0.00	0.01	0.009	0					0.23
143.167	0.00	0.01	0.009	0					0.23
143.250	0.00	0.01	0.009	0					0.23
143.333	0.00	0.01	0.009	0					0.23
143.417	0.00	0.01	0.009	0					0.23
143.500	0.00	0.01	0.009	0					0.22

143.583	0.00	0.01	0.008	0					0.22
143.667	0.00	0.01	0.008	0					0.22
143.750	0.00	0.01	0.008	0					0.22
143.833	0.00	0.01	0.008	0					0.22
143.917	0.00	0.01	0.008	0					0.22
144.000	0.00	0.01	0.008	0					0.22
144.083	0.00	0.01	0.008	0					0.22
144.167	0.00	0.01	0.008	0					0.22
144.250	0.00	0.01	0.008	0					0.21
144.333	0.00	0.01	0.008	0					0.21
144.417	0.00	0.01	0.008	0					0.21
144.500	0.00	0.01	0.008	0					0.21
144.583	0.00	0.01	0.008	0					0.21
144.667	0.00	0.01	0.008	0					0.21
144.750	0.00	0.01	0.008	0					0.21
144.833	0.00	0.01	0.008	0					0.21
144.917	0.00	0.01	0.007	0					0.21
145.000	0.00	0.01	0.007	0					0.20
145.083	0.00	0.01	0.007	0					0.20
145.167	0.00	0.01	0.007	0					0.20
145.250	0.00	0.01	0.007	0					0.20
145.333	0.00	0.01	0.007	0					0.20
145.417	0.00	0.01	0.007	0					0.20
145.500	0.00	0.01	0.007	0					0.20
145.583	0.00	0.01	0.007	0					0.20
145.667	0.00	0.01	0.007	0					0.20
145.750	0.00	0.01	0.007	0					0.19
145.833	0.00	0.01	0.007	0					0.19
145.917	0.00	0.01	0.007	0					0.19
146.000	0.00	0.01	0.007	0					0.19
146.083	0.00	0.01	0.007	0					0.19
146.167	0.00	0.01	0.007	0					0.19
146.250	0.00	0.01	0.007	0					0.19
146.333	0.00	0.01	0.007	0					0.19
146.417	0.00	0.01	0.006	0					0.19
146.500	0.00	0.01	0.006	0					0.18
146.583	0.00	0.01	0.006	0					0.18
146.667	0.00	0.01	0.006	0					0.18
146.750	0.00	0.01	0.006	0					0.18
146.833	0.00	0.01	0.006	0					0.18
146.917	0.00	0.01	0.006	0					0.18
147.000	0.00	0.01	0.006	0					0.18
147.083	0.00	0.01	0.006	0					0.18
147.167	0.00	0.01	0.006	0					0.18
147.250	0.00	0.01	0.006	0					0.17
147.333	0.00	0.01	0.006	0					0.17
147.417	0.00	0.01	0.006	0					0.17
147.500	0.00	0.01	0.006	0					0.17
147.583	0.00	0.01	0.006	0					0.17
147.667	0.00	0.01	0.006	0					0.17

147.750	0.00	0.01	0.006	0					0.17
147.833	0.00	0.01	0.006	0					0.17
147.917	0.00	0.01	0.005	0					0.17
148.000	0.00	0.01	0.005	0					0.17
148.083	0.00	0.01	0.005	0					0.16
148.167	0.00	0.01	0.005	0					0.16
148.250	0.00	0.01	0.005	0					0.16
148.333	0.00	0.01	0.005	0					0.16
148.417	0.00	0.01	0.005	0					0.16
148.500	0.00	0.01	0.005	0					0.16
148.583	0.00	0.01	0.005	0					0.16
148.667	0.00	0.01	0.005	0					0.16
148.750	0.00	0.01	0.005	0					0.16
148.833	0.00	0.01	0.005	0					0.16
148.917	0.00	0.01	0.005	0					0.15
149.000	0.00	0.01	0.005	0					0.15
149.083	0.00	0.01	0.005	0					0.15
149.167	0.00	0.01	0.005	0					0.15
149.250	0.00	0.01	0.005	0					0.15
149.333	0.00	0.01	0.005	0					0.15
149.417	0.00	0.01	0.005	0					0.15
149.500	0.00	0.01	0.005	0					0.15
149.583	0.00	0.01	0.004	0					0.15
149.667	0.00	0.01	0.004	0					0.15
149.750	0.00	0.01	0.004	0					0.15
149.833	0.00	0.01	0.004	0					0.14
149.917	0.00	0.01	0.004	0					0.14
150.000	0.00	0.01	0.004	0					0.14
150.083	0.00	0.01	0.004	0					0.14
150.167	0.00	0.01	0.004	0					0.14
150.250	0.00	0.01	0.004	0					0.14
150.333	0.00	0.01	0.004	0					0.14
150.417	0.00	0.01	0.004	0					0.14
150.500	0.00	0.01	0.004	0					0.14
150.583	0.00	0.01	0.004	0					0.14
150.667	0.00	0.01	0.004	0					0.14
150.750	0.00	0.01	0.004	0					0.13
150.833	0.00	0.01	0.004	0					0.13
150.917	0.00	0.01	0.004	0					0.13
151.000	0.00	0.01	0.004	0					0.13
151.083	0.00	0.01	0.004	0					0.13
151.167	0.00	0.01	0.004	0					0.13
151.250	0.00	0.01	0.004	0					0.13
151.333	0.00	0.01	0.003	0					0.13
151.417	0.00	0.01	0.003	0					0.13
151.500	0.00	0.01	0.003	0					0.13
151.583	0.00	0.01	0.003	0					0.13
151.667	0.00	0.01	0.003	0					0.12
151.750	0.00	0.01	0.003	0					0.12
151.833	0.00	0.01	0.003	0					0.12

151.917	0.00	0.01	0.003	0					0.12
152.000	0.00	0.01	0.003	0					0.12
152.083	0.00	0.01	0.003	0					0.12
152.167	0.00	0.01	0.003	0					0.12
152.250	0.00	0.01	0.003	0					0.12
152.333	0.00	0.01	0.003	0					0.12
152.417	0.00	0.01	0.003	0					0.12
152.500	0.00	0.01	0.003	0					0.12
152.583	0.00	0.01	0.003	0					0.12
152.667	0.00	0.01	0.003	0					0.11
152.750	0.00	0.01	0.003	0					0.11
152.833	0.00	0.01	0.003	0					0.11
152.917	0.00	0.01	0.003	0					0.11
153.000	0.00	0.01	0.003	0					0.11
153.083	0.00	0.01	0.003	0					0.11
153.167	0.00	0.01	0.002	0					0.11
153.250	0.00	0.01	0.002	0					0.11
153.333	0.00	0.01	0.002	0					0.11
153.417	0.00	0.01	0.002	0					0.11
153.500	0.00	0.01	0.002	0					0.11
153.583	0.00	0.01	0.002	0					0.11
153.667	0.00	0.01	0.002	0					0.10
153.750	0.00	0.01	0.002	0					0.10
153.833	0.00	0.01	0.002	0					0.10
153.917	0.00	0.01	0.002	0					0.10
154.000	0.00	0.01	0.002	0					0.10
154.083	0.00	0.01	0.002	0					0.10
154.167	0.00	0.01	0.002	0					0.10
154.250	0.00	0.01	0.002	0					0.10
154.333	0.00	0.01	0.002	0					0.09
154.417	0.00	0.01	0.002	0					0.09
154.500	0.00	0.01	0.002	0					0.09
154.583	0.00	0.01	0.002	0					0.09
154.667	0.00	0.01	0.002	0					0.09
154.750	0.00	0.01	0.002	0					0.09
154.833	0.00	0.01	0.002	0					0.08
154.917	0.00	0.00	0.002	0					0.08
155.000	0.00	0.00	0.002	0					0.08
155.083	0.00	0.00	0.002	0					0.08
155.167	0.00	0.00	0.002	0					0.08
155.250	0.00	0.00	0.002	0					0.08
155.333	0.00	0.00	0.001	0					0.07
155.417	0.00	0.00	0.001	0					0.07
155.500	0.00	0.00	0.001	0					0.07
155.583	0.00	0.00	0.001	0					0.07
155.667	0.00	0.00	0.001	0					0.07
155.750	0.00	0.00	0.001	0					0.07
155.833	0.00	0.00	0.001	0					0.07
155.917	0.00	0.00	0.001	0					0.06
156.000	0.00	0.00	0.001	0					0.06

156.083	0.00	0.00	0.001	0					0.06
156.167	0.00	0.00	0.001	0					0.06
156.250	0.00	0.00	0.001	0					0.06
156.333	0.00	0.00	0.001	0					0.06
156.417	0.00	0.00	0.001	0					0.06
156.500	0.00	0.00	0.001	0					0.06
156.583	0.00	0.00	0.001	0					0.05
156.667	0.00	0.00	0.001	0					0.05
156.750	0.00	0.00	0.001	0					0.05
156.833	0.00	0.00	0.001	0					0.05
156.917	0.00	0.00	0.001	0					0.05
157.000	0.00	0.00	0.001	0					0.05
157.083	0.00	0.00	0.001	0					0.05
157.167	0.00	0.00	0.001	0					0.05
157.250	0.00	0.00	0.001	0					0.05
157.333	0.00	0.00	0.001	0					0.05
157.417	0.00	0.00	0.001	0					0.04
157.500	0.00	0.00	0.001	0					0.04
157.583	0.00	0.00	0.001	0					0.04
157.667	0.00	0.00	0.001	0					0.04
157.750	0.00	0.00	0.001	0					0.04
157.833	0.00	0.00	0.001	0					0.04
157.917	0.00	0.00	0.001	0					0.04
158.000	0.00	0.00	0.001	0					0.04
158.083	0.00	0.00	0.001	0					0.04
158.167	0.00	0.00	0.001	0					0.04
158.250	0.00	0.00	0.001	0					0.04
158.333	0.00	0.00	0.001	0					0.04
158.417	0.00	0.00	0.001	0					0.03
158.500	0.00	0.00	0.001	0					0.03
158.583	0.00	0.00	0.001	0					0.03
158.667	0.00	0.00	0.001	0					0.03
158.750	0.00	0.00	0.001	0					0.03
158.833	0.00	0.00	0.001	0					0.03
158.917	0.00	0.00	0.001	0					0.03
159.000	0.00	0.00	0.001	0					0.03
159.083	0.00	0.00	0.001	0					0.03
159.167	0.00	0.00	0.001	0					0.03
159.250	0.00	0.00	0.001	0					0.03
159.333	0.00	0.00	0.001	0					0.03
159.417	0.00	0.00	0.001	0					0.03
159.500	0.00	0.00	0.001	0					0.03
159.583	0.00	0.00	0.001	0					0.03
159.667	0.00	0.00	0.001	0					0.03
159.750	0.00	0.00	0.000	0					0.02
159.833	0.00	0.00	0.000	0					0.02
159.917	0.00	0.00	0.000	0					0.02
160.000	0.00	0.00	0.000	0					0.02
160.083	0.00	0.00	0.000	0					0.02
160.167	0.00	0.00	0.000	0					0.02

160.250	0.00	0.00	0.000	0					0.02
160.333	0.00	0.00	0.000	0					0.02
160.417	0.00	0.00	0.000	0					0.02
160.500	0.00	0.00	0.000	0					0.02
160.583	0.00	0.00	0.000	0					0.02
160.667	0.00	0.00	0.000	0					0.02
160.750	0.00	0.00	0.000	0					0.02
160.833	0.00	0.00	0.000	0					0.02
160.917	0.00	0.00	0.000	0					0.02
161.000	0.00	0.00	0.000	0					0.02
161.083	0.00	0.00	0.000	0					0.02
161.167	0.00	0.00	0.000	0					0.02
161.250	0.00	0.00	0.000	0					0.02
161.333	0.00	0.00	0.000	0					0.02
161.417	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1937

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.106 (CFS)

Total volume = 0.487 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
5 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da265.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.341 (CFS)
Total volume = 0.285 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.6	1.17	1.76	2.34	Depth (Ft.)
0.083	0.11	0.00	0.000	OI					0.02
0.167	0.21	0.00	0.001	O I					0.07
0.250	0.24	0.01	0.003	O I					0.12
0.333	0.24	0.01	0.005	O I					0.15
0.417	0.24	0.01	0.006	O I					0.18
0.500	0.27	0.01	0.008	O I					0.21
0.583	0.28	0.01	0.010	O I					0.25
0.667	0.29	0.01	0.012	O I					0.28
0.750	0.29	0.01	0.014	O I					0.32
0.833	0.29	0.01	0.015	O I					0.36
0.917	0.29	0.01	0.017	O I					0.39
1.000	0.31	0.01	0.019	O I					0.43
1.083	0.32	0.02	0.021	O I					0.47
1.167	0.33	0.02	0.023	O I					0.51
1.250	0.33	0.02	0.026	O I					0.55
1.333	0.33	0.02	0.028	O I					0.59
1.417	0.33	0.02	0.030	O I					0.63
1.500	0.33	0.02	0.032	O I					0.67
1.583	0.33	0.02	0.034	O I					0.71
1.667	0.33	0.02	0.036	O I					0.75
1.750	0.33	0.02	0.038	O I					0.79
1.833	0.33	0.02	0.040	O I					0.83

1.917	0.33	0.02	0.042	0	I						0.87
2.000	0.35	0.03	0.045	0	I						0.91
2.083	0.34	0.03	0.047	0	I						0.96
2.167	0.35	0.03	0.049	0	I						1.00
2.250	0.36	0.03	0.051	0	I						1.03
2.333	0.37	0.03	0.053	0	I						1.06
2.417	0.37	0.03	0.056	0	I						1.09
2.500	0.37	0.03	0.058	0	I						1.11
2.583	0.37	0.03	0.060	0	I						1.14
2.667	0.37	0.03	0.063	0	I						1.17
2.750	0.39	0.03	0.065	0	I						1.20
2.833	0.40	0.03	0.068	0	I						1.23
2.917	0.41	0.03	0.070	0	I						1.27
3.000	0.41	0.03	0.073	0	I						1.30
3.083	0.41	0.03	0.075	0	I						1.33
3.167	0.43	0.03	0.078	0	I						1.36
3.250	0.44	0.03	0.081	0	I						1.40
3.333	0.45	0.03	0.084	0	I						1.43
3.417	0.47	0.03	0.087	0	I						1.47
3.500	0.51	0.03	0.090	0	I						1.51
3.583	0.55	0.03	0.093	0	I						1.55
3.667	0.57	0.03	0.097	0	I						1.60
3.750	0.59	0.04	0.101	0	I						1.64
3.833	0.61	0.04	0.104	0	I						1.69
3.917	0.63	0.04	0.108	0	I						1.74
4.000	0.65	0.04	0.113	0	I						1.80
4.083	0.67	0.04	0.117	0		I					1.85
4.167	0.71	0.04	0.121	0		I					1.91
4.250	0.75	0.04	0.126	0		I					1.97
4.333	0.79	0.04	0.131	0		I					2.02
4.417	0.83	0.04	0.137	0		I					2.08
4.500	0.85	0.04	0.142	0		I					2.14
4.583	0.88	0.04	0.148	0		I					2.20
4.667	0.92	0.04	0.154	0		I					2.26
4.750	0.96	0.04	0.160	0		I					2.32
4.833	0.97	0.04	0.166	0		I					2.39
4.917	1.00	0.04	0.173	0		I					2.46
5.000	1.04	0.04	0.179	0		I					2.53
5.083	1.17	0.04	0.187	0		I					2.61
5.167	1.37	0.05	0.195	0			I				2.70
5.250	1.56	0.05	0.205	0				I			2.80
5.333	1.73	0.05	0.216	0				I			2.91
5.417	1.95	0.05	0.228	0					I		3.04
5.500	2.34	0.05	0.243	0						I	3.19
5.583	1.56	0.05	0.256	0				I			3.32
5.667	0.68	0.05	0.263	0		I					3.40
5.750	0.33	0.05	0.266	0	I						3.43
5.833	0.23	0.05	0.268	0	I						3.45
5.917	0.16	0.05	0.269	0	I						3.46
6.000	0.11	0.05	0.269	0	I						3.46

6.083	0.04	0.05	0.270	0					3.47
6.167	0.01	0.05	0.269	0					3.46
6.250	0.00	0.05	0.269	0					3.46
6.333	0.00	0.05	0.269	0					3.46
6.417	0.00	0.05	0.268	0					3.45
6.500	0.00	0.05	0.268	0					3.45
6.583	0.00	0.05	0.268	0					3.45
6.667	0.00	0.05	0.267	0					3.44
6.750	0.00	0.05	0.267	0					3.44
6.833	0.00	0.05	0.267	0					3.43
6.917	0.00	0.05	0.266	0					3.43
7.000	0.00	0.05	0.266	0					3.43
7.083	0.00	0.05	0.265	0					3.42
7.167	0.00	0.05	0.265	0					3.42
7.250	0.00	0.05	0.265	0					3.42
7.333	0.00	0.05	0.264	0					3.41
7.417	0.00	0.05	0.264	0					3.41
7.500	0.00	0.05	0.264	0					3.41
7.583	0.00	0.05	0.263	0					3.40
7.667	0.00	0.05	0.263	0					3.40
7.750	0.00	0.05	0.263	0					3.39
7.833	0.00	0.05	0.262	0					3.39
7.917	0.00	0.05	0.262	0					3.39
8.000	0.00	0.05	0.262	0					3.38
8.083	0.00	0.05	0.261	0					3.38
8.167	0.00	0.05	0.261	0					3.38
8.250	0.00	0.05	0.261	0					3.37
8.333	0.00	0.05	0.260	0					3.37
8.417	0.00	0.05	0.260	0					3.37
8.500	0.00	0.05	0.260	0					3.36
8.583	0.00	0.05	0.259	0					3.36
8.667	0.00	0.05	0.259	0					3.36
8.750	0.00	0.05	0.258	0					3.35
8.833	0.00	0.05	0.258	0					3.35
8.917	0.00	0.05	0.258	0					3.34
9.000	0.00	0.05	0.257	0					3.34
9.083	0.00	0.05	0.257	0					3.34
9.167	0.00	0.05	0.257	0					3.33
9.250	0.00	0.05	0.256	0					3.33
9.333	0.00	0.05	0.256	0					3.33
9.417	0.00	0.05	0.256	0					3.32
9.500	0.00	0.05	0.255	0					3.32
9.583	0.00	0.05	0.255	0					3.32
9.667	0.00	0.05	0.255	0					3.31
9.750	0.00	0.05	0.254	0					3.31
9.833	0.00	0.05	0.254	0					3.31
9.917	0.00	0.05	0.254	0					3.30
10.000	0.00	0.05	0.253	0					3.30
10.083	0.00	0.05	0.253	0					3.29
10.167	0.00	0.05	0.253	0					3.29

10.250	0.00	0.05	0.252	0					3.29
10.333	0.00	0.05	0.252	0					3.28
10.417	0.00	0.05	0.251	0					3.28
10.500	0.00	0.05	0.251	0					3.28
10.583	0.00	0.05	0.251	0					3.27
10.667	0.00	0.05	0.250	0					3.27
10.750	0.00	0.05	0.250	0					3.27
10.833	0.00	0.05	0.250	0					3.26
10.917	0.00	0.05	0.249	0					3.26
11.000	0.00	0.05	0.249	0					3.26
11.083	0.00	0.05	0.249	0					3.25
11.167	0.00	0.05	0.248	0					3.25
11.250	0.00	0.05	0.248	0					3.25
11.333	0.00	0.05	0.248	0					3.24
11.417	0.00	0.05	0.247	0					3.24
11.500	0.00	0.05	0.247	0					3.23
11.583	0.00	0.05	0.247	0					3.23
11.667	0.00	0.05	0.246	0					3.23
11.750	0.00	0.05	0.246	0					3.22
11.833	0.00	0.05	0.246	0					3.22
11.917	0.00	0.05	0.245	0					3.22
12.000	0.00	0.05	0.245	0					3.21
12.083	0.00	0.05	0.245	0					3.21
12.167	0.00	0.05	0.244	0					3.21
12.250	0.00	0.05	0.244	0					3.20
12.333	0.00	0.05	0.244	0					3.20
12.417	0.00	0.05	0.243	0					3.20
12.500	0.00	0.05	0.243	0					3.19
12.583	0.00	0.05	0.243	0					3.19
12.667	0.00	0.05	0.242	0					3.19
12.750	0.00	0.05	0.242	0					3.18
12.833	0.00	0.05	0.242	0					3.18
12.917	0.00	0.05	0.241	0					3.18
13.000	0.00	0.05	0.241	0					3.17
13.083	0.00	0.05	0.241	0					3.17
13.167	0.00	0.05	0.240	0					3.17
13.250	0.00	0.05	0.240	0					3.16
13.333	0.00	0.05	0.240	0					3.16
13.417	0.00	0.05	0.239	0					3.15
13.500	0.00	0.05	0.239	0					3.15
13.583	0.00	0.05	0.238	0					3.15
13.667	0.00	0.05	0.238	0					3.14
13.750	0.00	0.05	0.238	0					3.14
13.833	0.00	0.05	0.237	0					3.14
13.917	0.00	0.05	0.237	0					3.13
14.000	0.00	0.05	0.237	0					3.13
14.083	0.00	0.05	0.236	0					3.13
14.167	0.00	0.05	0.236	0					3.12
14.250	0.00	0.05	0.236	0					3.12
14.333	0.00	0.05	0.235	0					3.12

14.417	0.00	0.05	0.235	0					3.11
14.500	0.00	0.05	0.235	0					3.11
14.583	0.00	0.05	0.234	0					3.11
14.667	0.00	0.05	0.234	0					3.10
14.750	0.00	0.05	0.234	0					3.10
14.833	0.00	0.05	0.233	0					3.10
14.917	0.00	0.05	0.233	0					3.09
15.000	0.00	0.05	0.233	0					3.09
15.083	0.00	0.05	0.232	0					3.09
15.167	0.00	0.05	0.232	0					3.08
15.250	0.00	0.05	0.232	0					3.08
15.333	0.00	0.05	0.231	0					3.08
15.417	0.00	0.05	0.231	0					3.07
15.500	0.00	0.05	0.231	0					3.07
15.583	0.00	0.05	0.230	0					3.07
15.667	0.00	0.05	0.230	0					3.06
15.750	0.00	0.05	0.230	0					3.06
15.833	0.00	0.05	0.229	0					3.06
15.917	0.00	0.05	0.229	0					3.05
16.000	0.00	0.05	0.229	0					3.05
16.083	0.00	0.05	0.228	0					3.04
16.167	0.00	0.05	0.228	0					3.04
16.250	0.00	0.05	0.228	0					3.04
16.333	0.00	0.05	0.227	0					3.03
16.417	0.00	0.05	0.227	0					3.03
16.500	0.00	0.05	0.227	0					3.03
16.583	0.00	0.05	0.226	0					3.02
16.667	0.00	0.05	0.226	0					3.02
16.750	0.00	0.05	0.226	0					3.02
16.833	0.00	0.05	0.225	0					3.01
16.917	0.00	0.05	0.225	0					3.01
17.000	0.00	0.05	0.225	0					3.01
17.083	0.00	0.05	0.224	0					3.00
17.167	0.00	0.05	0.224	0					3.00
17.250	0.00	0.05	0.224	0					3.00
17.333	0.00	0.05	0.223	0					2.99
17.417	0.00	0.05	0.223	0					2.99
17.500	0.00	0.05	0.223	0					2.99
17.583	0.00	0.05	0.222	0					2.98
17.667	0.00	0.05	0.222	0					2.98
17.750	0.00	0.05	0.222	0					2.98
17.833	0.00	0.05	0.221	0					2.97
17.917	0.00	0.05	0.221	0					2.97
18.000	0.00	0.05	0.221	0					2.97
18.083	0.00	0.05	0.220	0					2.96
18.167	0.00	0.05	0.220	0					2.96
18.250	0.00	0.05	0.220	0					2.96
18.333	0.00	0.05	0.219	0					2.95
18.417	0.00	0.05	0.219	0					2.95
18.500	0.00	0.05	0.219	0					2.95

18.583	0.00	0.05	0.219	0					2.94
18.667	0.00	0.05	0.218	0					2.94
18.750	0.00	0.05	0.218	0					2.94
18.833	0.00	0.05	0.218	0					2.93
18.917	0.00	0.05	0.217	0					2.93
19.000	0.00	0.05	0.217	0					2.92
19.083	0.00	0.05	0.217	0					2.92
19.167	0.00	0.05	0.216	0					2.92
19.250	0.00	0.05	0.216	0					2.91
19.333	0.00	0.05	0.216	0					2.91
19.417	0.00	0.05	0.215	0					2.91
19.500	0.00	0.05	0.215	0					2.90
19.583	0.00	0.05	0.215	0					2.90
19.667	0.00	0.05	0.214	0					2.90
19.750	0.00	0.05	0.214	0					2.89
19.833	0.00	0.05	0.214	0					2.89
19.917	0.00	0.05	0.213	0					2.89
20.000	0.00	0.05	0.213	0					2.88
20.083	0.00	0.05	0.213	0					2.88
20.167	0.00	0.05	0.212	0					2.88
20.250	0.00	0.05	0.212	0					2.87
20.333	0.00	0.05	0.212	0					2.87
20.417	0.00	0.05	0.211	0					2.87
20.500	0.00	0.05	0.211	0					2.86
20.583	0.00	0.05	0.211	0					2.86
20.667	0.00	0.05	0.210	0					2.86
20.750	0.00	0.05	0.210	0					2.85
20.833	0.00	0.05	0.210	0					2.85
20.917	0.00	0.05	0.209	0					2.85
21.000	0.00	0.05	0.209	0					2.84
21.083	0.00	0.05	0.209	0					2.84
21.167	0.00	0.05	0.208	0					2.84
21.250	0.00	0.05	0.208	0					2.83
21.333	0.00	0.05	0.208	0					2.83
21.417	0.00	0.05	0.208	0					2.83
21.500	0.00	0.05	0.207	0					2.82
21.583	0.00	0.05	0.207	0					2.82
21.667	0.00	0.05	0.207	0					2.82
21.750	0.00	0.05	0.206	0					2.81
21.833	0.00	0.05	0.206	0					2.81
21.917	0.00	0.05	0.206	0					2.81
22.000	0.00	0.05	0.205	0					2.80
22.083	0.00	0.05	0.205	0					2.80
22.167	0.00	0.05	0.205	0					2.80
22.250	0.00	0.05	0.204	0					2.79
22.333	0.00	0.05	0.204	0					2.79
22.417	0.00	0.05	0.204	0					2.79
22.500	0.00	0.05	0.203	0					2.78
22.583	0.00	0.05	0.203	0					2.78
22.667	0.00	0.05	0.203	0					2.78

22.750	0.00	0.05	0.202	0					2.77
22.833	0.00	0.05	0.202	0					2.77
22.917	0.00	0.05	0.202	0					2.77
23.000	0.00	0.05	0.201	0					2.76
23.083	0.00	0.05	0.201	0					2.76
23.167	0.00	0.05	0.201	0					2.76
23.250	0.00	0.05	0.201	0					2.75
23.333	0.00	0.05	0.200	0					2.75
23.417	0.00	0.05	0.200	0					2.75
23.500	0.00	0.05	0.200	0					2.74
23.583	0.00	0.05	0.199	0					2.74
23.667	0.00	0.05	0.199	0					2.74
23.750	0.00	0.05	0.199	0					2.73
23.833	0.00	0.05	0.198	0					2.73
23.917	0.00	0.05	0.198	0					2.73
24.000	0.00	0.05	0.198	0					2.72
24.083	0.00	0.05	0.197	0					2.72
24.167	0.00	0.05	0.197	0					2.72
24.250	0.00	0.05	0.197	0					2.71
24.333	0.00	0.05	0.196	0					2.71
24.417	0.00	0.05	0.196	0					2.71
24.500	0.00	0.05	0.196	0					2.70
24.583	0.00	0.05	0.196	0					2.70
24.667	0.00	0.05	0.195	0					2.70
24.750	0.00	0.05	0.195	0					2.69
24.833	0.00	0.05	0.195	0					2.69
24.917	0.00	0.05	0.194	0					2.69
25.000	0.00	0.05	0.194	0					2.68
25.083	0.00	0.05	0.194	0					2.68
25.167	0.00	0.05	0.193	0					2.68
25.250	0.00	0.05	0.193	0					2.67
25.333	0.00	0.05	0.193	0					2.67
25.417	0.00	0.05	0.192	0					2.67
25.500	0.00	0.04	0.192	0					2.66
25.583	0.00	0.04	0.192	0					2.66
25.667	0.00	0.04	0.191	0					2.66
25.750	0.00	0.04	0.191	0					2.65
25.833	0.00	0.04	0.191	0					2.65
25.917	0.00	0.04	0.191	0					2.65
26.000	0.00	0.04	0.190	0					2.64
26.083	0.00	0.04	0.190	0					2.64
26.167	0.00	0.04	0.190	0					2.64
26.250	0.00	0.04	0.189	0					2.63
26.333	0.00	0.04	0.189	0					2.63
26.417	0.00	0.04	0.189	0					2.63
26.500	0.00	0.04	0.188	0					2.63
26.583	0.00	0.04	0.188	0					2.62
26.667	0.00	0.04	0.188	0					2.62
26.750	0.00	0.04	0.187	0					2.62
26.833	0.00	0.04	0.187	0					2.61

26.917	0.00	0.04	0.187	0					2.61
27.000	0.00	0.04	0.187	0					2.61
27.083	0.00	0.04	0.186	0					2.60
27.167	0.00	0.04	0.186	0					2.60
27.250	0.00	0.04	0.186	0					2.60
27.333	0.00	0.04	0.185	0					2.59
27.417	0.00	0.04	0.185	0					2.59
27.500	0.00	0.04	0.185	0					2.59
27.583	0.00	0.04	0.184	0					2.58
27.667	0.00	0.04	0.184	0					2.58
27.750	0.00	0.04	0.184	0					2.58
27.833	0.00	0.04	0.183	0					2.57
27.917	0.00	0.04	0.183	0					2.57
28.000	0.00	0.04	0.183	0					2.57
28.083	0.00	0.04	0.183	0					2.56
28.167	0.00	0.04	0.182	0					2.56
28.250	0.00	0.04	0.182	0					2.56
28.333	0.00	0.04	0.182	0					2.55
28.417	0.00	0.04	0.181	0					2.55
28.500	0.00	0.04	0.181	0					2.55
28.583	0.00	0.04	0.181	0					2.54
28.667	0.00	0.04	0.180	0					2.54
28.750	0.00	0.04	0.180	0					2.54
28.833	0.00	0.04	0.180	0					2.54
28.917	0.00	0.04	0.180	0					2.53
29.000	0.00	0.04	0.179	0					2.53
29.083	0.00	0.04	0.179	0					2.53
29.167	0.00	0.04	0.179	0					2.52
29.250	0.00	0.04	0.178	0					2.52
29.333	0.00	0.04	0.178	0					2.52
29.417	0.00	0.04	0.178	0					2.51
29.500	0.00	0.04	0.177	0					2.51
29.583	0.00	0.04	0.177	0					2.51
29.667	0.00	0.04	0.177	0					2.50
29.750	0.00	0.04	0.177	0					2.50
29.833	0.00	0.04	0.176	0					2.50
29.917	0.00	0.04	0.176	0					2.49
30.000	0.00	0.04	0.176	0					2.49
30.083	0.00	0.04	0.175	0					2.49
30.167	0.00	0.04	0.175	0					2.48
30.250	0.00	0.04	0.175	0					2.48
30.333	0.00	0.04	0.174	0					2.48
30.417	0.00	0.04	0.174	0					2.48
30.500	0.00	0.04	0.174	0					2.47
30.583	0.00	0.04	0.174	0					2.47
30.667	0.00	0.04	0.173	0					2.47
30.750	0.00	0.04	0.173	0					2.46
30.833	0.00	0.04	0.173	0					2.46
30.917	0.00	0.04	0.172	0					2.46
31.000	0.00	0.04	0.172	0					2.45

31.083	0.00	0.04	0.172	0					2.45
31.167	0.00	0.04	0.171	0					2.45
31.250	0.00	0.04	0.171	0					2.44
31.333	0.00	0.04	0.171	0					2.44
31.417	0.00	0.04	0.171	0					2.44
31.500	0.00	0.04	0.170	0					2.43
31.583	0.00	0.04	0.170	0					2.43
31.667	0.00	0.04	0.170	0					2.43
31.750	0.00	0.04	0.169	0					2.43
31.833	0.00	0.04	0.169	0					2.42
31.917	0.00	0.04	0.169	0					2.42
32.000	0.00	0.04	0.169	0					2.42
32.083	0.00	0.04	0.168	0					2.41
32.167	0.00	0.04	0.168	0					2.41
32.250	0.00	0.04	0.168	0					2.41
32.333	0.00	0.04	0.167	0					2.40
32.417	0.00	0.04	0.167	0					2.40
32.500	0.00	0.04	0.167	0					2.40
32.583	0.00	0.04	0.166	0					2.39
32.667	0.00	0.04	0.166	0					2.39
32.750	0.00	0.04	0.166	0					2.39
32.833	0.00	0.04	0.166	0					2.39
32.917	0.00	0.04	0.165	0					2.38
33.000	0.00	0.04	0.165	0					2.38
33.083	0.00	0.04	0.165	0					2.38
33.167	0.00	0.04	0.164	0					2.37
33.250	0.00	0.04	0.164	0					2.37
33.333	0.00	0.04	0.164	0					2.37
33.417	0.00	0.04	0.164	0					2.36
33.500	0.00	0.04	0.163	0					2.36
33.583	0.00	0.04	0.163	0					2.36
33.667	0.00	0.04	0.163	0					2.35
33.750	0.00	0.04	0.162	0					2.35
33.833	0.00	0.04	0.162	0					2.35
33.917	0.00	0.04	0.162	0					2.35
34.000	0.00	0.04	0.162	0					2.34
34.083	0.00	0.04	0.161	0					2.34
34.167	0.00	0.04	0.161	0					2.34
34.250	0.00	0.04	0.161	0					2.33
34.333	0.00	0.04	0.160	0					2.33
34.417	0.00	0.04	0.160	0					2.33
34.500	0.00	0.04	0.160	0					2.32
34.583	0.00	0.04	0.159	0					2.32
34.667	0.00	0.04	0.159	0					2.32
34.750	0.00	0.04	0.159	0					2.31
34.833	0.00	0.04	0.159	0					2.31
34.917	0.00	0.04	0.158	0					2.31
35.000	0.00	0.04	0.158	0					2.31
35.083	0.00	0.04	0.158	0					2.30
35.167	0.00	0.04	0.157	0					2.30

35.250	0.00	0.04	0.157	0					2.30
35.333	0.00	0.04	0.157	0					2.29
35.417	0.00	0.04	0.157	0					2.29
35.500	0.00	0.04	0.156	0					2.29
35.583	0.00	0.04	0.156	0					2.28
35.667	0.00	0.04	0.156	0					2.28
35.750	0.00	0.04	0.155	0					2.28
35.833	0.00	0.04	0.155	0					2.28
35.917	0.00	0.04	0.155	0					2.27
36.000	0.00	0.04	0.155	0					2.27
36.083	0.00	0.04	0.154	0					2.27
36.167	0.00	0.04	0.154	0					2.26
36.250	0.00	0.04	0.154	0					2.26
36.333	0.00	0.04	0.153	0					2.26
36.417	0.00	0.04	0.153	0					2.25
36.500	0.00	0.04	0.153	0					2.25
36.583	0.00	0.04	0.153	0					2.25
36.667	0.00	0.04	0.152	0					2.25
36.750	0.00	0.04	0.152	0					2.24
36.833	0.00	0.04	0.152	0					2.24
36.917	0.00	0.04	0.151	0					2.24
37.000	0.00	0.04	0.151	0					2.23
37.083	0.00	0.04	0.151	0					2.23
37.167	0.00	0.04	0.151	0					2.23
37.250	0.00	0.04	0.150	0					2.22
37.333	0.00	0.04	0.150	0					2.22
37.417	0.00	0.04	0.150	0					2.22
37.500	0.00	0.04	0.150	0					2.22
37.583	0.00	0.04	0.149	0					2.21
37.667	0.00	0.04	0.149	0					2.21
37.750	0.00	0.04	0.149	0					2.21
37.833	0.00	0.04	0.148	0					2.20
37.917	0.00	0.04	0.148	0					2.20
38.000	0.00	0.04	0.148	0					2.20
38.083	0.00	0.04	0.148	0					2.20
38.167	0.00	0.04	0.147	0					2.19
38.250	0.00	0.04	0.147	0					2.19
38.333	0.00	0.04	0.147	0					2.19
38.417	0.00	0.04	0.146	0					2.18
38.500	0.00	0.04	0.146	0					2.18
38.583	0.00	0.04	0.146	0					2.18
38.667	0.00	0.04	0.146	0					2.17
38.750	0.00	0.04	0.145	0					2.17
38.833	0.00	0.04	0.145	0					2.17
38.917	0.00	0.04	0.145	0					2.17
39.000	0.00	0.04	0.144	0					2.16
39.083	0.00	0.04	0.144	0					2.16
39.167	0.00	0.04	0.144	0					2.16
39.250	0.00	0.04	0.144	0					2.15
39.333	0.00	0.04	0.143	0					2.15

39.417	0.00	0.04	0.143	0					2.15
39.500	0.00	0.04	0.143	0					2.15
39.583	0.00	0.04	0.143	0					2.14
39.667	0.00	0.04	0.142	0					2.14
39.750	0.00	0.04	0.142	0					2.14
39.833	0.00	0.04	0.142	0					2.13
39.917	0.00	0.04	0.141	0					2.13
40.000	0.00	0.04	0.141	0					2.13
40.083	0.00	0.04	0.141	0					2.12
40.167	0.00	0.04	0.141	0					2.12
40.250	0.00	0.04	0.140	0					2.12
40.333	0.00	0.04	0.140	0					2.12
40.417	0.00	0.04	0.140	0					2.11
40.500	0.00	0.04	0.139	0					2.11
40.583	0.00	0.04	0.139	0					2.11
40.667	0.00	0.04	0.139	0					2.10
40.750	0.00	0.04	0.139	0					2.10
40.833	0.00	0.04	0.138	0					2.10
40.917	0.00	0.04	0.138	0					2.10
41.000	0.00	0.04	0.138	0					2.09
41.083	0.00	0.04	0.138	0					2.09
41.167	0.00	0.04	0.137	0					2.09
41.250	0.00	0.04	0.137	0					2.08
41.333	0.00	0.04	0.137	0					2.08
41.417	0.00	0.04	0.136	0					2.08
41.500	0.00	0.04	0.136	0					2.08
41.583	0.00	0.04	0.136	0					2.07
41.667	0.00	0.04	0.136	0					2.07
41.750	0.00	0.04	0.135	0					2.07
41.833	0.00	0.04	0.135	0					2.06
41.917	0.00	0.04	0.135	0					2.06
42.000	0.00	0.04	0.135	0					2.06
42.083	0.00	0.04	0.134	0					2.06
42.167	0.00	0.04	0.134	0					2.05
42.250	0.00	0.04	0.134	0					2.05
42.333	0.00	0.04	0.133	0					2.05
42.417	0.00	0.04	0.133	0					2.04
42.500	0.00	0.04	0.133	0					2.04
42.583	0.00	0.04	0.133	0					2.04
42.667	0.00	0.04	0.132	0					2.04
42.750	0.00	0.04	0.132	0					2.03
42.833	0.00	0.04	0.132	0					2.03
42.917	0.00	0.04	0.132	0					2.03
43.000	0.00	0.04	0.131	0					2.02
43.083	0.00	0.04	0.131	0					2.02
43.167	0.00	0.04	0.131	0					2.02
43.250	0.00	0.04	0.130	0					2.02
43.333	0.00	0.04	0.130	0					2.01
43.417	0.00	0.04	0.130	0					2.01
43.500	0.00	0.04	0.130	0					2.01

43.583	0.00	0.04	0.129	0					2.00
43.667	0.00	0.04	0.129	0					2.00
43.750	0.00	0.04	0.129	0					2.00
43.833	0.00	0.04	0.129	0					2.00
43.917	0.00	0.04	0.128	0					1.99
44.000	0.00	0.04	0.128	0					1.99
44.083	0.00	0.04	0.128	0					1.99
44.167	0.00	0.04	0.128	0					1.98
44.250	0.00	0.04	0.127	0					1.98
44.333	0.00	0.04	0.127	0					1.98
44.417	0.00	0.04	0.127	0					1.97
44.500	0.00	0.04	0.126	0					1.97
44.583	0.00	0.04	0.126	0					1.97
44.667	0.00	0.04	0.126	0					1.96
44.750	0.00	0.04	0.126	0					1.96
44.833	0.00	0.04	0.125	0					1.96
44.917	0.00	0.04	0.125	0					1.95
45.000	0.00	0.04	0.125	0					1.95
45.083	0.00	0.04	0.125	0					1.95
45.167	0.00	0.04	0.124	0					1.94
45.250	0.00	0.04	0.124	0					1.94
45.333	0.00	0.04	0.124	0					1.94
45.417	0.00	0.04	0.124	0					1.93
45.500	0.00	0.04	0.123	0					1.93
45.583	0.00	0.04	0.123	0					1.93
45.667	0.00	0.04	0.123	0					1.92
45.750	0.00	0.04	0.123	0					1.92
45.833	0.00	0.04	0.122	0					1.92
45.917	0.00	0.04	0.122	0					1.91
46.000	0.00	0.04	0.122	0					1.91
46.083	0.00	0.04	0.121	0					1.91
46.167	0.00	0.04	0.121	0					1.90
46.250	0.00	0.04	0.121	0					1.90
46.333	0.00	0.04	0.121	0					1.90
46.417	0.00	0.04	0.120	0					1.89
46.500	0.00	0.04	0.120	0					1.89
46.583	0.00	0.04	0.120	0					1.89
46.667	0.00	0.04	0.120	0					1.88
46.750	0.00	0.04	0.119	0					1.88
46.833	0.00	0.04	0.119	0					1.88
46.917	0.00	0.04	0.119	0					1.87
47.000	0.00	0.04	0.119	0					1.87
47.083	0.00	0.04	0.118	0					1.87
47.167	0.00	0.04	0.118	0					1.86
47.250	0.00	0.04	0.118	0					1.86
47.333	0.00	0.04	0.118	0					1.86
47.417	0.00	0.04	0.117	0					1.85
47.500	0.00	0.04	0.117	0					1.85
47.583	0.00	0.04	0.117	0					1.85
47.667	0.00	0.04	0.117	0					1.84

47.750	0.00	0.04	0.116	0					1.84
47.833	0.00	0.04	0.116	0					1.84
47.917	0.00	0.04	0.116	0					1.83
48.000	0.00	0.04	0.116	0					1.83
48.083	0.00	0.04	0.115	0					1.83
48.167	0.00	0.04	0.115	0					1.82
48.250	0.00	0.04	0.115	0					1.82
48.333	0.00	0.04	0.114	0					1.82
48.417	0.00	0.04	0.114	0					1.82
48.500	0.00	0.04	0.114	0					1.81
48.583	0.00	0.04	0.114	0					1.81
48.667	0.00	0.04	0.113	0					1.81
48.750	0.00	0.04	0.113	0					1.80
48.833	0.00	0.04	0.113	0					1.80
48.917	0.00	0.04	0.113	0					1.80
49.000	0.00	0.04	0.112	0					1.79
49.083	0.00	0.04	0.112	0					1.79
49.167	0.00	0.04	0.112	0					1.79
49.250	0.00	0.04	0.112	0					1.78
49.333	0.00	0.04	0.111	0					1.78
49.417	0.00	0.04	0.111	0					1.78
49.500	0.00	0.04	0.111	0					1.77
49.583	0.00	0.04	0.111	0					1.77
49.667	0.00	0.04	0.110	0					1.77
49.750	0.00	0.04	0.110	0					1.76
49.833	0.00	0.04	0.110	0					1.76
49.917	0.00	0.04	0.110	0					1.76
50.000	0.00	0.04	0.109	0					1.76
50.083	0.00	0.04	0.109	0					1.75
50.167	0.00	0.04	0.109	0					1.75
50.250	0.00	0.04	0.109	0					1.75
50.333	0.00	0.04	0.108	0					1.74
50.417	0.00	0.04	0.108	0					1.74
50.500	0.00	0.04	0.108	0					1.74
50.583	0.00	0.04	0.108	0					1.73
50.667	0.00	0.04	0.107	0					1.73
50.750	0.00	0.04	0.107	0					1.73
50.833	0.00	0.04	0.107	0					1.72
50.917	0.00	0.04	0.107	0					1.72
51.000	0.00	0.04	0.106	0					1.72
51.083	0.00	0.04	0.106	0					1.72
51.167	0.00	0.04	0.106	0					1.71
51.250	0.00	0.04	0.106	0					1.71
51.333	0.00	0.04	0.105	0					1.71
51.417	0.00	0.04	0.105	0					1.70
51.500	0.00	0.04	0.105	0					1.70
51.583	0.00	0.04	0.105	0					1.70
51.667	0.00	0.04	0.104	0					1.69
51.750	0.00	0.04	0.104	0					1.69
51.833	0.00	0.04	0.104	0					1.69

51.917	0.00	0.04	0.104	0					1.68
52.000	0.00	0.04	0.104	0					1.68
52.083	0.00	0.04	0.103	0					1.68
52.167	0.00	0.04	0.103	0					1.68
52.250	0.00	0.04	0.103	0					1.67
52.333	0.00	0.04	0.103	0					1.67
52.417	0.00	0.04	0.102	0					1.67
52.500	0.00	0.04	0.102	0					1.66
52.583	0.00	0.04	0.102	0					1.66
52.667	0.00	0.04	0.102	0					1.66
52.750	0.00	0.04	0.101	0					1.65
52.833	0.00	0.04	0.101	0					1.65
52.917	0.00	0.04	0.101	0					1.65
53.000	0.00	0.04	0.101	0					1.64
53.083	0.00	0.04	0.100	0					1.64
53.167	0.00	0.04	0.100	0					1.64
53.250	0.00	0.03	0.100	0					1.64
53.333	0.00	0.03	0.100	0					1.63
53.417	0.00	0.03	0.099	0					1.63
53.500	0.00	0.03	0.099	0					1.63
53.583	0.00	0.03	0.099	0					1.62
53.667	0.00	0.03	0.099	0					1.62
53.750	0.00	0.03	0.098	0					1.62
53.833	0.00	0.03	0.098	0					1.61
53.917	0.00	0.03	0.098	0					1.61
54.000	0.00	0.03	0.098	0					1.61
54.083	0.00	0.03	0.097	0					1.61
54.167	0.00	0.03	0.097	0					1.60
54.250	0.00	0.03	0.097	0					1.60
54.333	0.00	0.03	0.097	0					1.60
54.417	0.00	0.03	0.097	0					1.59
54.500	0.00	0.03	0.096	0					1.59
54.583	0.00	0.03	0.096	0					1.59
54.667	0.00	0.03	0.096	0					1.58
54.750	0.00	0.03	0.096	0					1.58
54.833	0.00	0.03	0.095	0					1.58
54.917	0.00	0.03	0.095	0					1.58
55.000	0.00	0.03	0.095	0					1.57
55.083	0.00	0.03	0.095	0					1.57
55.167	0.00	0.03	0.094	0					1.57
55.250	0.00	0.03	0.094	0					1.56
55.333	0.00	0.03	0.094	0					1.56
55.417	0.00	0.03	0.094	0					1.56
55.500	0.00	0.03	0.093	0					1.56
55.583	0.00	0.03	0.093	0					1.55
55.667	0.00	0.03	0.093	0					1.55
55.750	0.00	0.03	0.093	0					1.55
55.833	0.00	0.03	0.092	0					1.54
55.917	0.00	0.03	0.092	0					1.54
56.000	0.00	0.03	0.092	0					1.54

56.083	0.00	0.03	0.092	0					1.53
56.167	0.00	0.03	0.092	0					1.53
56.250	0.00	0.03	0.091	0					1.53
56.333	0.00	0.03	0.091	0					1.53
56.417	0.00	0.03	0.091	0					1.52
56.500	0.00	0.03	0.091	0					1.52
56.583	0.00	0.03	0.090	0					1.52
56.667	0.00	0.03	0.090	0					1.51
56.750	0.00	0.03	0.090	0					1.51
56.833	0.00	0.03	0.090	0					1.51
56.917	0.00	0.03	0.089	0					1.51
57.000	0.00	0.03	0.089	0					1.50
57.083	0.00	0.03	0.089	0					1.50
57.167	0.00	0.03	0.089	0					1.50
57.250	0.00	0.03	0.089	0					1.49
57.333	0.00	0.03	0.088	0					1.49
57.417	0.00	0.03	0.088	0					1.49
57.500	0.00	0.03	0.088	0					1.49
57.583	0.00	0.03	0.088	0					1.48
57.667	0.00	0.03	0.087	0					1.48
57.750	0.00	0.03	0.087	0					1.48
57.833	0.00	0.03	0.087	0					1.47
57.917	0.00	0.03	0.087	0					1.47
58.000	0.00	0.03	0.086	0					1.47
58.083	0.00	0.03	0.086	0					1.47
58.167	0.00	0.03	0.086	0					1.46
58.250	0.00	0.03	0.086	0					1.46
58.333	0.00	0.03	0.086	0					1.46
58.417	0.00	0.03	0.085	0					1.45
58.500	0.00	0.03	0.085	0					1.45
58.583	0.00	0.03	0.085	0					1.45
58.667	0.00	0.03	0.085	0					1.45
58.750	0.00	0.03	0.084	0					1.44
58.833	0.00	0.03	0.084	0					1.44
58.917	0.00	0.03	0.084	0					1.44
59.000	0.00	0.03	0.084	0					1.43
59.083	0.00	0.03	0.084	0					1.43
59.167	0.00	0.03	0.083	0					1.43
59.250	0.00	0.03	0.083	0					1.43
59.333	0.00	0.03	0.083	0					1.42
59.417	0.00	0.03	0.083	0					1.42
59.500	0.00	0.03	0.082	0					1.42
59.583	0.00	0.03	0.082	0					1.41
59.667	0.00	0.03	0.082	0					1.41
59.750	0.00	0.03	0.082	0					1.41
59.833	0.00	0.03	0.082	0					1.41
59.917	0.00	0.03	0.081	0					1.40
60.000	0.00	0.03	0.081	0					1.40
60.083	0.00	0.03	0.081	0					1.40
60.167	0.00	0.03	0.081	0					1.40

60.250	0.00	0.03	0.080	0					1.39
60.333	0.00	0.03	0.080	0					1.39
60.417	0.00	0.03	0.080	0					1.39
60.500	0.00	0.03	0.080	0					1.38
60.583	0.00	0.03	0.080	0					1.38
60.667	0.00	0.03	0.079	0					1.38
60.750	0.00	0.03	0.079	0					1.38
60.833	0.00	0.03	0.079	0					1.37
60.917	0.00	0.03	0.079	0					1.37
61.000	0.00	0.03	0.078	0					1.37
61.083	0.00	0.03	0.078	0					1.36
61.167	0.00	0.03	0.078	0					1.36
61.250	0.00	0.03	0.078	0					1.36
61.333	0.00	0.03	0.078	0					1.36
61.417	0.00	0.03	0.077	0					1.35
61.500	0.00	0.03	0.077	0					1.35
61.583	0.00	0.03	0.077	0					1.35
61.667	0.00	0.03	0.077	0					1.35
61.750	0.00	0.03	0.076	0					1.34
61.833	0.00	0.03	0.076	0					1.34
61.917	0.00	0.03	0.076	0					1.34
62.000	0.00	0.03	0.076	0					1.33
62.083	0.00	0.03	0.076	0					1.33
62.167	0.00	0.03	0.075	0					1.33
62.250	0.00	0.03	0.075	0					1.33
62.333	0.00	0.03	0.075	0					1.32
62.417	0.00	0.03	0.075	0					1.32
62.500	0.00	0.03	0.074	0					1.32
62.583	0.00	0.03	0.074	0					1.32
62.667	0.00	0.03	0.074	0					1.31
62.750	0.00	0.03	0.074	0					1.31
62.833	0.00	0.03	0.074	0					1.31
62.917	0.00	0.03	0.073	0					1.30
63.000	0.00	0.03	0.073	0					1.30
63.083	0.00	0.03	0.073	0					1.30
63.167	0.00	0.03	0.073	0					1.30
63.250	0.00	0.03	0.073	0					1.29
63.333	0.00	0.03	0.072	0					1.29
63.417	0.00	0.03	0.072	0					1.29
63.500	0.00	0.03	0.072	0					1.29
63.583	0.00	0.03	0.072	0					1.28
63.667	0.00	0.03	0.071	0					1.28
63.750	0.00	0.03	0.071	0					1.28
63.833	0.00	0.03	0.071	0					1.28
63.917	0.00	0.03	0.071	0					1.27
64.000	0.00	0.03	0.071	0					1.27
64.083	0.00	0.03	0.070	0					1.27
64.167	0.00	0.03	0.070	0					1.26
64.250	0.00	0.03	0.070	0					1.26
64.333	0.00	0.03	0.070	0					1.26

64.417	0.00	0.03	0.070	0					1.26
64.500	0.00	0.03	0.069	0					1.25
64.583	0.00	0.03	0.069	0					1.25
64.667	0.00	0.03	0.069	0					1.25
64.750	0.00	0.03	0.069	0					1.25
64.833	0.00	0.03	0.068	0					1.24
64.917	0.00	0.03	0.068	0					1.24
65.000	0.00	0.03	0.068	0					1.24
65.083	0.00	0.03	0.068	0					1.24
65.167	0.00	0.03	0.068	0					1.23
65.250	0.00	0.03	0.067	0					1.23
65.333	0.00	0.03	0.067	0					1.23
65.417	0.00	0.03	0.067	0					1.22
65.500	0.00	0.03	0.067	0					1.22
65.583	0.00	0.03	0.067	0					1.22
65.667	0.00	0.03	0.066	0					1.22
65.750	0.00	0.03	0.066	0					1.21
65.833	0.00	0.03	0.066	0					1.21
65.917	0.00	0.03	0.066	0					1.21
66.000	0.00	0.03	0.066	0					1.21
66.083	0.00	0.03	0.065	0					1.20
66.167	0.00	0.03	0.065	0					1.20
66.250	0.00	0.03	0.065	0					1.20
66.333	0.00	0.03	0.065	0					1.20
66.417	0.00	0.03	0.064	0					1.19
66.500	0.00	0.03	0.064	0					1.19
66.583	0.00	0.03	0.064	0					1.19
66.667	0.00	0.03	0.064	0					1.19
66.750	0.00	0.03	0.064	0					1.18
66.833	0.00	0.03	0.063	0					1.18
66.917	0.00	0.03	0.063	0					1.18
67.000	0.00	0.03	0.063	0					1.18
67.083	0.00	0.03	0.063	0					1.17
67.167	0.00	0.03	0.063	0					1.17
67.250	0.00	0.03	0.062	0					1.17
67.333	0.00	0.03	0.062	0					1.17
67.417	0.00	0.03	0.062	0					1.16
67.500	0.00	0.03	0.062	0					1.16
67.583	0.00	0.03	0.062	0					1.16
67.667	0.00	0.03	0.061	0					1.16
67.750	0.00	0.03	0.061	0					1.15
67.833	0.00	0.03	0.061	0					1.15
67.917	0.00	0.03	0.061	0					1.15
68.000	0.00	0.03	0.061	0					1.14
68.083	0.00	0.03	0.060	0					1.14
68.167	0.00	0.03	0.060	0					1.14
68.250	0.00	0.03	0.060	0					1.14
68.333	0.00	0.03	0.060	0					1.13
68.417	0.00	0.03	0.060	0					1.13
68.500	0.00	0.03	0.059	0					1.13

68.583	0.00	0.03	0.059	0					1.13
68.667	0.00	0.03	0.059	0					1.12
68.750	0.00	0.03	0.059	0					1.12
68.833	0.00	0.03	0.059	0					1.12
68.917	0.00	0.03	0.058	0					1.12
69.000	0.00	0.03	0.058	0					1.11
69.083	0.00	0.03	0.058	0					1.11
69.167	0.00	0.03	0.058	0					1.11
69.250	0.00	0.03	0.058	0					1.11
69.333	0.00	0.03	0.057	0					1.10
69.417	0.00	0.03	0.057	0					1.10
69.500	0.00	0.03	0.057	0					1.10
69.583	0.00	0.03	0.057	0					1.10
69.667	0.00	0.03	0.057	0					1.09
69.750	0.00	0.03	0.056	0					1.09
69.833	0.00	0.03	0.056	0					1.09
69.917	0.00	0.03	0.056	0					1.09
70.000	0.00	0.03	0.056	0					1.08
70.083	0.00	0.03	0.056	0					1.08
70.167	0.00	0.03	0.055	0					1.08
70.250	0.00	0.03	0.055	0					1.08
70.333	0.00	0.03	0.055	0					1.07
70.417	0.00	0.03	0.055	0					1.07
70.500	0.00	0.03	0.055	0					1.07
70.583	0.00	0.03	0.054	0					1.07
70.667	0.00	0.03	0.054	0					1.06
70.750	0.00	0.03	0.054	0					1.06
70.833	0.00	0.03	0.054	0					1.06
70.917	0.00	0.03	0.054	0					1.06
71.000	0.00	0.03	0.053	0					1.05
71.083	0.00	0.03	0.053	0					1.05
71.167	0.00	0.03	0.053	0					1.05
71.250	0.00	0.03	0.053	0					1.05
71.333	0.00	0.03	0.053	0					1.04
71.417	0.00	0.03	0.052	0					1.04
71.500	0.00	0.03	0.052	0					1.04
71.583	0.00	0.03	0.052	0					1.04
71.667	0.00	0.03	0.052	0					1.04
71.750	0.00	0.03	0.052	0					1.03
71.833	0.00	0.03	0.051	0					1.03
71.917	0.00	0.03	0.051	0					1.03
72.000	0.00	0.03	0.051	0					1.03
72.083	0.00	0.03	0.051	0					1.02
72.167	0.00	0.03	0.051	0					1.02
72.250	0.00	0.03	0.050	0					1.02
72.333	0.00	0.03	0.050	0					1.02
72.417	0.00	0.03	0.050	0					1.01
72.500	0.00	0.03	0.050	0					1.01
72.583	0.00	0.03	0.050	0					1.01
72.667	0.00	0.03	0.049	0					1.01

72.750	0.00	0.03	0.049	0					1.00
72.833	0.00	0.03	0.049	0					1.00
72.917	0.00	0.03	0.049	0					1.00
73.000	0.00	0.03	0.049	0					0.99
73.083	0.00	0.03	0.049	0					0.99
73.167	0.00	0.03	0.048	0					0.99
73.250	0.00	0.03	0.048	0					0.98
73.333	0.00	0.03	0.048	0					0.98
73.417	0.00	0.03	0.048	0					0.98
73.500	0.00	0.03	0.048	0					0.97
73.583	0.00	0.03	0.047	0					0.97
73.667	0.00	0.03	0.047	0					0.97
73.750	0.00	0.03	0.047	0					0.96
73.833	0.00	0.03	0.047	0					0.96
73.917	0.00	0.03	0.047	0					0.95
74.000	0.00	0.03	0.046	0					0.95
74.083	0.00	0.03	0.046	0					0.95
74.167	0.00	0.03	0.046	0					0.94
74.250	0.00	0.03	0.046	0					0.94
74.333	0.00	0.03	0.046	0					0.94
74.417	0.00	0.03	0.046	0					0.93
74.500	0.00	0.03	0.045	0					0.93
74.583	0.00	0.03	0.045	0					0.93
74.667	0.00	0.03	0.045	0					0.92
74.750	0.00	0.03	0.045	0					0.92
74.833	0.00	0.03	0.045	0					0.92
74.917	0.00	0.03	0.044	0					0.91
75.000	0.00	0.03	0.044	0					0.91
75.083	0.00	0.03	0.044	0					0.91
75.167	0.00	0.03	0.044	0					0.90
75.250	0.00	0.03	0.044	0					0.90
75.333	0.00	0.03	0.044	0					0.90
75.417	0.00	0.03	0.043	0					0.89
75.500	0.00	0.03	0.043	0					0.89
75.583	0.00	0.03	0.043	0					0.89
75.667	0.00	0.03	0.043	0					0.88
75.750	0.00	0.03	0.043	0					0.88
75.833	0.00	0.02	0.043	0					0.88
75.917	0.00	0.02	0.042	0					0.87
76.000	0.00	0.02	0.042	0					0.87
76.083	0.00	0.02	0.042	0					0.87
76.167	0.00	0.02	0.042	0					0.86
76.250	0.00	0.02	0.042	0					0.86
76.333	0.00	0.02	0.041	0					0.86
76.417	0.00	0.02	0.041	0					0.85
76.500	0.00	0.02	0.041	0					0.85
76.583	0.00	0.02	0.041	0					0.85
76.667	0.00	0.02	0.041	0					0.84
76.750	0.00	0.02	0.041	0					0.84
76.833	0.00	0.02	0.040	0					0.84

76.917	0.00	0.02	0.040	0					0.83
77.000	0.00	0.02	0.040	0					0.83
77.083	0.00	0.02	0.040	0					0.83
77.167	0.00	0.02	0.040	0					0.82
77.250	0.00	0.02	0.040	0					0.82
77.333	0.00	0.02	0.040	0					0.82
77.417	0.00	0.02	0.039	0					0.82
77.500	0.00	0.02	0.039	0					0.81
77.583	0.00	0.02	0.039	0					0.81
77.667	0.00	0.02	0.039	0					0.81
77.750	0.00	0.02	0.039	0					0.80
77.833	0.00	0.02	0.039	0					0.80
77.917	0.00	0.02	0.038	0					0.80
78.000	0.00	0.02	0.038	0					0.79
78.083	0.00	0.02	0.038	0					0.79
78.167	0.00	0.02	0.038	0					0.79
78.250	0.00	0.02	0.038	0					0.78
78.333	0.00	0.02	0.038	0					0.78
78.417	0.00	0.02	0.037	0					0.78
78.500	0.00	0.02	0.037	0					0.78
78.583	0.00	0.02	0.037	0					0.77
78.667	0.00	0.02	0.037	0					0.77
78.750	0.00	0.02	0.037	0					0.77
78.833	0.00	0.02	0.037	0					0.76
78.917	0.00	0.02	0.037	0					0.76
79.000	0.00	0.02	0.036	0					0.76
79.083	0.00	0.02	0.036	0					0.76
79.167	0.00	0.02	0.036	0					0.75
79.250	0.00	0.02	0.036	0					0.75
79.333	0.00	0.02	0.036	0					0.75
79.417	0.00	0.02	0.036	0					0.74
79.500	0.00	0.02	0.035	0					0.74
79.583	0.00	0.02	0.035	0					0.74
79.667	0.00	0.02	0.035	0					0.74
79.750	0.00	0.02	0.035	0					0.73
79.833	0.00	0.02	0.035	0					0.73
79.917	0.00	0.02	0.035	0					0.73
80.000	0.00	0.02	0.035	0					0.72
80.083	0.00	0.02	0.034	0					0.72
80.167	0.00	0.02	0.034	0					0.72
80.250	0.00	0.02	0.034	0					0.72
80.333	0.00	0.02	0.034	0					0.71
80.417	0.00	0.02	0.034	0					0.71
80.500	0.00	0.02	0.034	0					0.71
80.583	0.00	0.02	0.034	0					0.70
80.667	0.00	0.02	0.033	0					0.70
80.750	0.00	0.02	0.033	0					0.70
80.833	0.00	0.02	0.033	0					0.70
80.917	0.00	0.02	0.033	0					0.69
81.000	0.00	0.02	0.033	0					0.69

81.083	0.00	0.02	0.033	0					0.69
81.167	0.00	0.02	0.033	0					0.69
81.250	0.00	0.02	0.032	0					0.68
81.333	0.00	0.02	0.032	0					0.68
81.417	0.00	0.02	0.032	0					0.68
81.500	0.00	0.02	0.032	0					0.67
81.583	0.00	0.02	0.032	0					0.67
81.667	0.00	0.02	0.032	0					0.67
81.750	0.00	0.02	0.032	0					0.67
81.833	0.00	0.02	0.031	0					0.66
81.917	0.00	0.02	0.031	0					0.66
82.000	0.00	0.02	0.031	0					0.66
82.083	0.00	0.02	0.031	0					0.66
82.167	0.00	0.02	0.031	0					0.65
82.250	0.00	0.02	0.031	0					0.65
82.333	0.00	0.02	0.031	0					0.65
82.417	0.00	0.02	0.031	0					0.65
82.500	0.00	0.02	0.030	0					0.64
82.583	0.00	0.02	0.030	0					0.64
82.667	0.00	0.02	0.030	0					0.64
82.750	0.00	0.02	0.030	0					0.64
82.833	0.00	0.02	0.030	0					0.63
82.917	0.00	0.02	0.030	0					0.63
83.000	0.00	0.02	0.030	0					0.63
83.083	0.00	0.02	0.029	0					0.63
83.167	0.00	0.02	0.029	0					0.62
83.250	0.00	0.02	0.029	0					0.62
83.333	0.00	0.02	0.029	0					0.62
83.417	0.00	0.02	0.029	0					0.62
83.500	0.00	0.02	0.029	0					0.61
83.583	0.00	0.02	0.029	0					0.61
83.667	0.00	0.02	0.029	0					0.61
83.750	0.00	0.02	0.028	0					0.61
83.833	0.00	0.02	0.028	0					0.60
83.917	0.00	0.02	0.028	0					0.60
84.000	0.00	0.02	0.028	0					0.60
84.083	0.00	0.02	0.028	0					0.60
84.167	0.00	0.02	0.028	0					0.59
84.250	0.00	0.02	0.028	0					0.59
84.333	0.00	0.02	0.028	0					0.59
84.417	0.00	0.02	0.027	0					0.59
84.500	0.00	0.02	0.027	0					0.58
84.583	0.00	0.02	0.027	0					0.58
84.667	0.00	0.02	0.027	0					0.58
84.750	0.00	0.02	0.027	0					0.58
84.833	0.00	0.02	0.027	0					0.58
84.917	0.00	0.02	0.027	0					0.57
85.000	0.00	0.02	0.027	0					0.57
85.083	0.00	0.02	0.026	0					0.57
85.167	0.00	0.02	0.026	0					0.57

85.250	0.00	0.02	0.026	0					0.56
85.333	0.00	0.02	0.026	0					0.56
85.417	0.00	0.02	0.026	0					0.56
85.500	0.00	0.02	0.026	0					0.56
85.583	0.00	0.02	0.026	0					0.56
85.667	0.00	0.02	0.026	0					0.55
85.750	0.00	0.02	0.026	0					0.55
85.833	0.00	0.02	0.025	0					0.55
85.917	0.00	0.02	0.025	0					0.55
86.000	0.00	0.02	0.025	0					0.54
86.083	0.00	0.02	0.025	0					0.54
86.167	0.00	0.02	0.025	0					0.54
86.250	0.00	0.02	0.025	0					0.54
86.333	0.00	0.02	0.025	0					0.53
86.417	0.00	0.02	0.025	0					0.53
86.500	0.00	0.02	0.024	0					0.53
86.583	0.00	0.02	0.024	0					0.53
86.667	0.00	0.02	0.024	0					0.53
86.750	0.00	0.02	0.024	0					0.52
86.833	0.00	0.02	0.024	0					0.52
86.917	0.00	0.02	0.024	0					0.52
87.000	0.00	0.02	0.024	0					0.52
87.083	0.00	0.02	0.024	0					0.52
87.167	0.00	0.02	0.024	0					0.51
87.250	0.00	0.02	0.023	0					0.51
87.333	0.00	0.02	0.023	0					0.51
87.417	0.00	0.02	0.023	0					0.51
87.500	0.00	0.02	0.023	0					0.50
87.583	0.00	0.02	0.023	0					0.50
87.667	0.00	0.02	0.023	0					0.50
87.750	0.00	0.02	0.023	0					0.50
87.833	0.00	0.02	0.023	0					0.50
87.917	0.00	0.02	0.023	0					0.49
88.000	0.00	0.02	0.022	0					0.49
88.083	0.00	0.02	0.022	0					0.49
88.167	0.00	0.02	0.022	0					0.49
88.250	0.00	0.02	0.022	0					0.49
88.333	0.00	0.02	0.022	0					0.48
88.417	0.00	0.02	0.022	0					0.48
88.500	0.00	0.02	0.022	0					0.48
88.583	0.00	0.02	0.022	0					0.48
88.667	0.00	0.02	0.022	0					0.48
88.750	0.00	0.02	0.022	0					0.47
88.833	0.00	0.02	0.021	0					0.47
88.917	0.00	0.02	0.021	0					0.47
89.000	0.00	0.02	0.021	0					0.47
89.083	0.00	0.01	0.021	0					0.47
89.167	0.00	0.01	0.021	0					0.46
89.250	0.00	0.01	0.021	0					0.46
89.333	0.00	0.01	0.021	0					0.46

89.417	0.00	0.01	0.021	0					0.46
89.500	0.00	0.01	0.021	0					0.46
89.583	0.00	0.01	0.021	0					0.45
89.667	0.00	0.01	0.020	0					0.45
89.750	0.00	0.01	0.020	0					0.45
89.833	0.00	0.01	0.020	0					0.45
89.917	0.00	0.01	0.020	0					0.45
90.000	0.00	0.01	0.020	0					0.44
90.083	0.00	0.01	0.020	0					0.44
90.167	0.00	0.01	0.020	0					0.44
90.250	0.00	0.01	0.020	0					0.44
90.333	0.00	0.01	0.020	0					0.44
90.417	0.00	0.01	0.020	0					0.44
90.500	0.00	0.01	0.019	0					0.43
90.583	0.00	0.01	0.019	0					0.43
90.667	0.00	0.01	0.019	0					0.43
90.750	0.00	0.01	0.019	0					0.43
90.833	0.00	0.01	0.019	0					0.43
90.917	0.00	0.01	0.019	0					0.42
91.000	0.00	0.01	0.019	0					0.42
91.083	0.00	0.01	0.019	0					0.42
91.167	0.00	0.01	0.019	0					0.42
91.250	0.00	0.01	0.019	0					0.42
91.333	0.00	0.01	0.018	0					0.42
91.417	0.00	0.01	0.018	0					0.41
91.500	0.00	0.01	0.018	0					0.41
91.583	0.00	0.01	0.018	0					0.41
91.667	0.00	0.01	0.018	0					0.41
91.750	0.00	0.01	0.018	0					0.41
91.833	0.00	0.01	0.018	0					0.40
91.917	0.00	0.01	0.018	0					0.40
92.000	0.00	0.01	0.018	0					0.40
92.083	0.00	0.01	0.018	0					0.40
92.167	0.00	0.01	0.018	0					0.40
92.250	0.00	0.01	0.017	0					0.40
92.333	0.00	0.01	0.017	0					0.39
92.417	0.00	0.01	0.017	0					0.39
92.500	0.00	0.01	0.017	0					0.39
92.583	0.00	0.01	0.017	0					0.39
92.667	0.00	0.01	0.017	0					0.39
92.750	0.00	0.01	0.017	0					0.39
92.833	0.00	0.01	0.017	0					0.38
92.917	0.00	0.01	0.017	0					0.38
93.000	0.00	0.01	0.017	0					0.38
93.083	0.00	0.01	0.017	0					0.38
93.167	0.00	0.01	0.016	0					0.38
93.250	0.00	0.01	0.016	0					0.38
93.333	0.00	0.01	0.016	0					0.37
93.417	0.00	0.01	0.016	0					0.37
93.500	0.00	0.01	0.016	0					0.37

93.583	0.00	0.01	0.016	0					0.37
93.667	0.00	0.01	0.016	0					0.37
93.750	0.00	0.01	0.016	0					0.37
93.833	0.00	0.01	0.016	0					0.36
93.917	0.00	0.01	0.016	0					0.36
94.000	0.00	0.01	0.016	0					0.36
94.083	0.00	0.01	0.016	0					0.36
94.167	0.00	0.01	0.015	0					0.36
94.250	0.00	0.01	0.015	0					0.36
94.333	0.00	0.01	0.015	0					0.35
94.417	0.00	0.01	0.015	0					0.35
94.500	0.00	0.01	0.015	0					0.35
94.583	0.00	0.01	0.015	0					0.35
94.667	0.00	0.01	0.015	0					0.35
94.750	0.00	0.01	0.015	0					0.35
94.833	0.00	0.01	0.015	0					0.34
94.917	0.00	0.01	0.015	0					0.34
95.000	0.00	0.01	0.015	0					0.34
95.083	0.00	0.01	0.015	0					0.34
95.167	0.00	0.01	0.014	0					0.34
95.250	0.00	0.01	0.014	0					0.34
95.333	0.00	0.01	0.014	0					0.33
95.417	0.00	0.01	0.014	0					0.33
95.500	0.00	0.01	0.014	0					0.33
95.583	0.00	0.01	0.014	0					0.33
95.667	0.00	0.01	0.014	0					0.33
95.750	0.00	0.01	0.014	0					0.33
95.833	0.00	0.01	0.014	0					0.33
95.917	0.00	0.01	0.014	0					0.32
96.000	0.00	0.01	0.014	0					0.32
96.083	0.00	0.01	0.014	0					0.32
96.167	0.00	0.01	0.013	0					0.32
96.250	0.00	0.01	0.013	0					0.32
96.333	0.00	0.01	0.013	0					0.32
96.417	0.00	0.01	0.013	0					0.32
96.500	0.00	0.01	0.013	0					0.31
96.583	0.00	0.01	0.013	0					0.31
96.667	0.00	0.01	0.013	0					0.31
96.750	0.00	0.01	0.013	0					0.31
96.833	0.00	0.01	0.013	0					0.31
96.917	0.00	0.01	0.013	0					0.31
97.000	0.00	0.01	0.013	0					0.30
97.083	0.00	0.01	0.013	0					0.30
97.167	0.00	0.01	0.013	0					0.30
97.250	0.00	0.01	0.012	0					0.30
97.333	0.00	0.01	0.012	0					0.30
97.417	0.00	0.01	0.012	0					0.30
97.500	0.00	0.01	0.012	0					0.30
97.583	0.00	0.01	0.012	0					0.29
97.667	0.00	0.01	0.012	0					0.29

97.750	0.00	0.01	0.012	0					0.29
97.833	0.00	0.01	0.012	0					0.29
97.917	0.00	0.01	0.012	0					0.29
98.000	0.00	0.01	0.012	0					0.29
98.083	0.00	0.01	0.012	0					0.29
98.167	0.00	0.01	0.012	0					0.29
98.250	0.00	0.01	0.012	0					0.28
98.333	0.00	0.01	0.012	0					0.28
98.417	0.00	0.01	0.011	0					0.28
98.500	0.00	0.01	0.011	0					0.28
98.583	0.00	0.01	0.011	0					0.28
98.667	0.00	0.01	0.011	0					0.28
98.750	0.00	0.01	0.011	0					0.28
98.833	0.00	0.01	0.011	0					0.27
98.917	0.00	0.01	0.011	0					0.27
99.000	0.00	0.01	0.011	0					0.27
99.083	0.00	0.01	0.011	0					0.27
99.167	0.00	0.01	0.011	0					0.27
99.250	0.00	0.01	0.011	0					0.27
99.333	0.00	0.01	0.011	0					0.27
99.417	0.00	0.01	0.011	0					0.26
99.500	0.00	0.01	0.011	0					0.26
99.583	0.00	0.01	0.010	0					0.26
99.667	0.00	0.01	0.010	0					0.26
99.750	0.00	0.01	0.010	0					0.26
99.833	0.00	0.01	0.010	0					0.26
99.917	0.00	0.01	0.010	0					0.26
100.000	0.00	0.01	0.010	0					0.26
100.083	0.00	0.01	0.010	0					0.25
100.167	0.00	0.01	0.010	0					0.25
100.250	0.00	0.01	0.010	0					0.25
100.333	0.00	0.01	0.010	0					0.25
100.417	0.00	0.01	0.010	0					0.25
100.500	0.00	0.01	0.010	0					0.25
100.583	0.00	0.01	0.010	0					0.25
100.667	0.00	0.01	0.010	0					0.25
100.750	0.00	0.01	0.010	0					0.24
100.833	0.00	0.01	0.009	0					0.24
100.917	0.00	0.01	0.009	0					0.24
101.000	0.00	0.01	0.009	0					0.24
101.083	0.00	0.01	0.009	0					0.24
101.167	0.00	0.01	0.009	0					0.24
101.250	0.00	0.01	0.009	0					0.24
101.333	0.00	0.01	0.009	0					0.24
101.417	0.00	0.01	0.009	0					0.23
101.500	0.00	0.01	0.009	0					0.23
101.583	0.00	0.01	0.009	0					0.23
101.667	0.00	0.01	0.009	0					0.23
101.750	0.00	0.01	0.009	0					0.23
101.833	0.00	0.01	0.009	0					0.23

101.917	0.00	0.01	0.009	0					0.23
102.000	0.00	0.01	0.009	0					0.23
102.083	0.00	0.01	0.009	0					0.22
102.167	0.00	0.01	0.008	0					0.22
102.250	0.00	0.01	0.008	0					0.22
102.333	0.00	0.01	0.008	0					0.22
102.417	0.00	0.01	0.008	0					0.22
102.500	0.00	0.01	0.008	0					0.22
102.583	0.00	0.01	0.008	0					0.22
102.667	0.00	0.01	0.008	0					0.22
102.750	0.00	0.01	0.008	0					0.22
102.833	0.00	0.01	0.008	0					0.21
102.917	0.00	0.01	0.008	0					0.21
103.000	0.00	0.01	0.008	0					0.21
103.083	0.00	0.01	0.008	0					0.21
103.167	0.00	0.01	0.008	0					0.21
103.250	0.00	0.01	0.008	0					0.21
103.333	0.00	0.01	0.008	0					0.21
103.417	0.00	0.01	0.008	0					0.21
103.500	0.00	0.01	0.007	0					0.20
103.583	0.00	0.01	0.007	0					0.20
103.667	0.00	0.01	0.007	0					0.20
103.750	0.00	0.01	0.007	0					0.20
103.833	0.00	0.01	0.007	0					0.20
103.917	0.00	0.01	0.007	0					0.20
104.000	0.00	0.01	0.007	0					0.20
104.083	0.00	0.01	0.007	0					0.20
104.167	0.00	0.01	0.007	0					0.20
104.250	0.00	0.01	0.007	0					0.19
104.333	0.00	0.01	0.007	0					0.19
104.417	0.00	0.01	0.007	0					0.19
104.500	0.00	0.01	0.007	0					0.19
104.583	0.00	0.01	0.007	0					0.19
104.667	0.00	0.01	0.007	0					0.19
104.750	0.00	0.01	0.007	0					0.19
104.833	0.00	0.01	0.007	0					0.19
104.917	0.00	0.01	0.006	0					0.19
105.000	0.00	0.01	0.006	0					0.19
105.083	0.00	0.01	0.006	0					0.18
105.167	0.00	0.01	0.006	0					0.18
105.250	0.00	0.01	0.006	0					0.18
105.333	0.00	0.01	0.006	0					0.18
105.417	0.00	0.01	0.006	0					0.18
105.500	0.00	0.01	0.006	0					0.18
105.583	0.00	0.01	0.006	0					0.18
105.667	0.00	0.01	0.006	0					0.18
105.750	0.00	0.01	0.006	0					0.18
105.833	0.00	0.01	0.006	0					0.17
105.917	0.00	0.01	0.006	0					0.17
106.000	0.00	0.01	0.006	0					0.17

106.083	0.00	0.01	0.006	0					0.17
106.167	0.00	0.01	0.006	0					0.17
106.250	0.00	0.01	0.006	0					0.17
106.333	0.00	0.01	0.006	0					0.17
106.417	0.00	0.01	0.006	0					0.17
106.500	0.00	0.01	0.005	0					0.17
106.583	0.00	0.01	0.005	0					0.17
106.667	0.00	0.01	0.005	0					0.16
106.750	0.00	0.01	0.005	0					0.16
106.833	0.00	0.01	0.005	0					0.16
106.917	0.00	0.01	0.005	0					0.16
107.000	0.00	0.01	0.005	0					0.16
107.083	0.00	0.01	0.005	0					0.16
107.167	0.00	0.01	0.005	0					0.16
107.250	0.00	0.01	0.005	0					0.16
107.333	0.00	0.01	0.005	0					0.16
107.417	0.00	0.01	0.005	0					0.16
107.500	0.00	0.01	0.005	0					0.15
107.583	0.00	0.01	0.005	0					0.15
107.667	0.00	0.01	0.005	0					0.15
107.750	0.00	0.01	0.005	0					0.15
107.833	0.00	0.01	0.005	0					0.15
107.917	0.00	0.01	0.005	0					0.15
108.000	0.00	0.01	0.005	0					0.15
108.083	0.00	0.01	0.005	0					0.15
108.167	0.00	0.01	0.004	0					0.15
108.250	0.00	0.01	0.004	0					0.15
108.333	0.00	0.01	0.004	0					0.15
108.417	0.00	0.01	0.004	0					0.14
108.500	0.00	0.01	0.004	0					0.14
108.583	0.00	0.01	0.004	0					0.14
108.667	0.00	0.01	0.004	0					0.14
108.750	0.00	0.01	0.004	0					0.14
108.833	0.00	0.01	0.004	0					0.14
108.917	0.00	0.01	0.004	0					0.14
109.000	0.00	0.01	0.004	0					0.14
109.083	0.00	0.01	0.004	0					0.14
109.167	0.00	0.01	0.004	0					0.14
109.250	0.00	0.01	0.004	0					0.13
109.333	0.00	0.01	0.004	0					0.13
109.417	0.00	0.01	0.004	0					0.13
109.500	0.00	0.01	0.004	0					0.13
109.583	0.00	0.01	0.004	0					0.13
109.667	0.00	0.01	0.004	0					0.13
109.750	0.00	0.01	0.004	0					0.13
109.833	0.00	0.01	0.003	0					0.13
109.917	0.00	0.01	0.003	0					0.13
110.000	0.00	0.01	0.003	0					0.13
110.083	0.00	0.01	0.003	0					0.13
110.167	0.00	0.01	0.003	0					0.13

110.250	0.00	0.01	0.003	0					0.12
110.333	0.00	0.01	0.003	0					0.12
110.417	0.00	0.01	0.003	0					0.12
110.500	0.00	0.01	0.003	0					0.12
110.583	0.00	0.01	0.003	0					0.12
110.667	0.00	0.01	0.003	0					0.12
110.750	0.00	0.01	0.003	0					0.12
110.833	0.00	0.01	0.003	0					0.12
110.917	0.00	0.01	0.003	0					0.12
111.000	0.00	0.01	0.003	0					0.12
111.083	0.00	0.01	0.003	0					0.12
111.167	0.00	0.01	0.003	0					0.11
111.250	0.00	0.01	0.003	0					0.11
111.333	0.00	0.01	0.003	0					0.11
111.417	0.00	0.01	0.003	0					0.11
111.500	0.00	0.01	0.003	0					0.11
111.583	0.00	0.01	0.003	0					0.11
111.667	0.00	0.01	0.003	0					0.11
111.750	0.00	0.01	0.002	0					0.11
111.833	0.00	0.01	0.002	0					0.11
111.917	0.00	0.01	0.002	0					0.11
112.000	0.00	0.01	0.002	0					0.11
112.083	0.00	0.01	0.002	0					0.11
112.167	0.00	0.01	0.002	0					0.11
112.250	0.00	0.01	0.002	0					0.10
112.333	0.00	0.01	0.002	0					0.10
112.417	0.00	0.01	0.002	0					0.10
112.500	0.00	0.01	0.002	0					0.10
112.583	0.00	0.01	0.002	0					0.10
112.667	0.00	0.01	0.002	0					0.10
112.750	0.00	0.01	0.002	0					0.10
112.833	0.00	0.01	0.002	0					0.10
112.917	0.00	0.01	0.002	0					0.09
113.000	0.00	0.01	0.002	0					0.09
113.083	0.00	0.01	0.002	0					0.09
113.167	0.00	0.01	0.002	0					0.09
113.250	0.00	0.01	0.002	0					0.09
113.333	0.00	0.01	0.002	0					0.09
113.417	0.00	0.01	0.002	0					0.08
113.500	0.00	0.00	0.002	0					0.08
113.583	0.00	0.00	0.002	0					0.08
113.667	0.00	0.00	0.002	0					0.08
113.750	0.00	0.00	0.002	0					0.08
113.833	0.00	0.00	0.002	0					0.08
113.917	0.00	0.00	0.001	0					0.07
114.000	0.00	0.00	0.001	0					0.07
114.083	0.00	0.00	0.001	0					0.07
114.167	0.00	0.00	0.001	0					0.07
114.250	0.00	0.00	0.001	0					0.07
114.333	0.00	0.00	0.001	0					0.07

114.417	0.00	0.00	0.001	0					0.07
114.500	0.00	0.00	0.001	0					0.06
114.583	0.00	0.00	0.001	0					0.06
114.667	0.00	0.00	0.001	0					0.06
114.750	0.00	0.00	0.001	0					0.06
114.833	0.00	0.00	0.001	0					0.06
114.917	0.00	0.00	0.001	0					0.06
115.000	0.00	0.00	0.001	0					0.06
115.083	0.00	0.00	0.001	0					0.06
115.167	0.00	0.00	0.001	0					0.05
115.250	0.00	0.00	0.001	0					0.05
115.333	0.00	0.00	0.001	0					0.05
115.417	0.00	0.00	0.001	0					0.05
115.500	0.00	0.00	0.001	0					0.05
115.583	0.00	0.00	0.001	0					0.05
115.667	0.00	0.00	0.001	0					0.05
115.750	0.00	0.00	0.001	0					0.05
115.833	0.00	0.00	0.001	0					0.05
115.917	0.00	0.00	0.001	0					0.04
116.000	0.00	0.00	0.001	0					0.04
116.083	0.00	0.00	0.001	0					0.04
116.167	0.00	0.00	0.001	0					0.04
116.250	0.00	0.00	0.001	0					0.04
116.333	0.00	0.00	0.001	0					0.04
116.417	0.00	0.00	0.001	0					0.04
116.500	0.00	0.00	0.001	0					0.04
116.583	0.00	0.00	0.001	0					0.04
116.667	0.00	0.00	0.001	0					0.04
116.750	0.00	0.00	0.001	0					0.04
116.833	0.00	0.00	0.001	0					0.04
116.917	0.00	0.00	0.001	0					0.04
117.000	0.00	0.00	0.001	0					0.03
117.083	0.00	0.00	0.001	0					0.03
117.167	0.00	0.00	0.001	0					0.03
117.250	0.00	0.00	0.001	0					0.03
117.333	0.00	0.00	0.001	0					0.03
117.417	0.00	0.00	0.001	0					0.03
117.500	0.00	0.00	0.001	0					0.03
117.583	0.00	0.00	0.001	0					0.03
117.667	0.00	0.00	0.001	0					0.03
117.750	0.00	0.00	0.001	0					0.03
117.833	0.00	0.00	0.001	0					0.03
117.917	0.00	0.00	0.001	0					0.03
118.000	0.00	0.00	0.001	0					0.03
118.083	0.00	0.00	0.001	0					0.03
118.167	0.00	0.00	0.001	0					0.03
118.250	0.00	0.00	0.001	0					0.03
118.333	0.00	0.00	0.000	0					0.02
118.417	0.00	0.00	0.000	0					0.02
118.500	0.00	0.00	0.000	0					0.02

118.583	0.00	0.00	0.000	0					0.02
118.667	0.00	0.00	0.000	0					0.02
118.750	0.00	0.00	0.000	0					0.02
118.833	0.00	0.00	0.000	0					0.02
118.917	0.00	0.00	0.000	0					0.02
119.000	0.00	0.00	0.000	0					0.02
119.083	0.00	0.00	0.000	0					0.02
119.167	0.00	0.00	0.000	0					0.02
119.250	0.00	0.00	0.000	0					0.02
119.333	0.00	0.00	0.000	0					0.02
119.417	0.00	0.00	0.000	0					0.02
119.500	0.00	0.00	0.000	0					0.02
119.583	0.00	0.00	0.000	0					0.02
119.667	0.00	0.00	0.000	0					0.02
119.750	0.00	0.00	0.000	0					0.02
119.833	0.00	0.00	0.000	0					0.02
119.917	0.00	0.00	0.000	0					0.02
120.000	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1440

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.052 (CFS)

Total volume = 0.285 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
5 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da235.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.619 (CFS)
Total volume = 0.211 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.7	1.31	1.96	2.62	Depth (Ft.)
0.083	0.21	0.00	0.001	0 I					0.04
0.167	0.36	0.01	0.003	0 I					0.11
0.250	0.35	0.01	0.005	0 I					0.16
0.333	0.40	0.01	0.008	0 I					0.21
0.417	0.44	0.01	0.010	0 I					0.26
0.500	0.49	0.01	0.014	0 I					0.32
0.583	0.48	0.01	0.017	0 I					0.38
0.667	0.50	0.01	0.020	0 I					0.45
0.750	0.53	0.02	0.024	0 I					0.51
0.833	0.49	0.02	0.027	0 I					0.58
0.917	0.47	0.02	0.030	0 I					0.64
1.000	0.51	0.02	0.033	0 I					0.70
1.083	0.60	0.02	0.037	0 I					0.77
1.167	0.65	0.02	0.041	0 I					0.85
1.250	0.65	0.03	0.045	0 I					0.93
1.333	0.62	0.03	0.050	0 I					1.01
1.417	0.70	0.03	0.054	0 I					1.06
1.500	0.78	0.03	0.059	0 I					1.12
1.583	0.75	0.03	0.064	0 I					1.19
1.667	0.77	0.03	0.069	0 I					1.25
1.750	0.89	0.03	0.074	0 I					1.32
1.833	0.94	0.03	0.080	0 I					1.39

1.917	0.89	0.03	0.086	0		I					1.47
2.000	0.88	0.03	0.092	0		I					1.54
2.083	0.91	0.03	0.098	0		I					1.62
2.167	1.10	0.04	0.105	0			I				1.70
2.250	1.37	0.04	0.113	0				I			1.80
2.333	1.24	0.04	0.122	0				I			1.91
2.417	1.73	0.04	0.132	0					I		2.03
2.500	2.26	0.04	0.145	0						I	2.17
2.583	2.62	0.04	0.162	0						I	2.35
2.667	2.27	0.04	0.178	0					I		2.52
2.750	1.24	0.04	0.190	0				I			2.64
2.833	0.65	0.05	0.196	0		I					2.71
2.917	0.54	0.05	0.200	0		I					2.75
3.000	0.34	0.05	0.203	0	I						2.78
3.083	0.11	0.05	0.204	0	I						2.79
3.167	0.01	0.05	0.204	0							2.79
3.250	0.00	0.05	0.204	0							2.79
3.333	0.00	0.05	0.204	0							2.78
3.417	0.00	0.05	0.203	0							2.78
3.500	0.00	0.05	0.203	0							2.78
3.583	0.00	0.05	0.203	0							2.77
3.667	0.00	0.05	0.202	0							2.77
3.750	0.00	0.05	0.202	0							2.77
3.833	0.00	0.05	0.202	0							2.76
3.917	0.00	0.05	0.201	0							2.76
4.000	0.00	0.05	0.201	0							2.76
4.083	0.00	0.05	0.201	0							2.75
4.167	0.00	0.05	0.200	0							2.75
4.250	0.00	0.05	0.200	0							2.75
4.333	0.00	0.05	0.200	0							2.74
4.417	0.00	0.05	0.199	0							2.74
4.500	0.00	0.05	0.199	0							2.74
4.583	0.00	0.05	0.199	0							2.73
4.667	0.00	0.05	0.199	0							2.73
4.750	0.00	0.05	0.198	0							2.73
4.833	0.00	0.05	0.198	0							2.73
4.917	0.00	0.05	0.198	0							2.72
5.000	0.00	0.05	0.197	0							2.72
5.083	0.00	0.05	0.197	0							2.72
5.167	0.00	0.05	0.197	0							2.71
5.250	0.00	0.05	0.196	0							2.71
5.333	0.00	0.05	0.196	0							2.71
5.417	0.00	0.05	0.196	0							2.70
5.500	0.00	0.05	0.195	0							2.70
5.583	0.00	0.05	0.195	0							2.70
5.667	0.00	0.05	0.195	0							2.69
5.750	0.00	0.05	0.194	0							2.69
5.833	0.00	0.05	0.194	0							2.69
5.917	0.00	0.05	0.194	0							2.68
6.000	0.00	0.05	0.194	0							2.68

6.083	0.00	0.05	0.193	0					2.68
6.167	0.00	0.05	0.193	0					2.67
6.250	0.00	0.05	0.193	0					2.67
6.333	0.00	0.04	0.192	0					2.67
6.417	0.00	0.04	0.192	0					2.66
6.500	0.00	0.04	0.192	0					2.66
6.583	0.00	0.04	0.191	0					2.66
6.667	0.00	0.04	0.191	0					2.65
6.750	0.00	0.04	0.191	0					2.65
6.833	0.00	0.04	0.190	0					2.65
6.917	0.00	0.04	0.190	0					2.64
7.000	0.00	0.04	0.190	0					2.64
7.083	0.00	0.04	0.189	0					2.64
7.167	0.00	0.04	0.189	0					2.63
7.250	0.00	0.04	0.189	0					2.63
7.333	0.00	0.04	0.189	0					2.63
7.417	0.00	0.04	0.188	0					2.62
7.500	0.00	0.04	0.188	0					2.62
7.583	0.00	0.04	0.188	0					2.62
7.667	0.00	0.04	0.187	0					2.61
7.750	0.00	0.04	0.187	0					2.61
7.833	0.00	0.04	0.187	0					2.61
7.917	0.00	0.04	0.186	0					2.60
8.000	0.00	0.04	0.186	0					2.60
8.083	0.00	0.04	0.186	0					2.60
8.167	0.00	0.04	0.185	0					2.59
8.250	0.00	0.04	0.185	0					2.59
8.333	0.00	0.04	0.185	0					2.59
8.417	0.00	0.04	0.185	0					2.59
8.500	0.00	0.04	0.184	0					2.58
8.583	0.00	0.04	0.184	0					2.58
8.667	0.00	0.04	0.184	0					2.58
8.750	0.00	0.04	0.183	0					2.57
8.833	0.00	0.04	0.183	0					2.57
8.917	0.00	0.04	0.183	0					2.57
9.000	0.00	0.04	0.182	0					2.56
9.083	0.00	0.04	0.182	0					2.56
9.167	0.00	0.04	0.182	0					2.56
9.250	0.00	0.04	0.182	0					2.55
9.333	0.00	0.04	0.181	0					2.55
9.417	0.00	0.04	0.181	0					2.55
9.500	0.00	0.04	0.181	0					2.54
9.583	0.00	0.04	0.180	0					2.54
9.667	0.00	0.04	0.180	0					2.54
9.750	0.00	0.04	0.180	0					2.53
9.833	0.00	0.04	0.179	0					2.53
9.917	0.00	0.04	0.179	0					2.53
10.000	0.00	0.04	0.179	0					2.52
10.083	0.00	0.04	0.179	0					2.52
10.167	0.00	0.04	0.178	0					2.52

10.250	0.00	0.04	0.178	0					2.51
10.333	0.00	0.04	0.178	0					2.51
10.417	0.00	0.04	0.177	0					2.51
10.500	0.00	0.04	0.177	0					2.51
10.583	0.00	0.04	0.177	0					2.50
10.667	0.00	0.04	0.176	0					2.50
10.750	0.00	0.04	0.176	0					2.50
10.833	0.00	0.04	0.176	0					2.49
10.917	0.00	0.04	0.176	0					2.49
11.000	0.00	0.04	0.175	0					2.49
11.083	0.00	0.04	0.175	0					2.48
11.167	0.00	0.04	0.175	0					2.48
11.250	0.00	0.04	0.174	0					2.48
11.333	0.00	0.04	0.174	0					2.47
11.417	0.00	0.04	0.174	0					2.47
11.500	0.00	0.04	0.173	0					2.47
11.583	0.00	0.04	0.173	0					2.46
11.667	0.00	0.04	0.173	0					2.46
11.750	0.00	0.04	0.173	0					2.46
11.833	0.00	0.04	0.172	0					2.46
11.917	0.00	0.04	0.172	0					2.45
12.000	0.00	0.04	0.172	0					2.45
12.083	0.00	0.04	0.171	0					2.45
12.167	0.00	0.04	0.171	0					2.44
12.250	0.00	0.04	0.171	0					2.44
12.333	0.00	0.04	0.170	0					2.44
12.417	0.00	0.04	0.170	0					2.43
12.500	0.00	0.04	0.170	0					2.43
12.583	0.00	0.04	0.170	0					2.43
12.667	0.00	0.04	0.169	0					2.42
12.750	0.00	0.04	0.169	0					2.42
12.833	0.00	0.04	0.169	0					2.42
12.917	0.00	0.04	0.168	0					2.41
13.000	0.00	0.04	0.168	0					2.41
13.083	0.00	0.04	0.168	0					2.41
13.167	0.00	0.04	0.168	0					2.41
13.250	0.00	0.04	0.167	0					2.40
13.333	0.00	0.04	0.167	0					2.40
13.417	0.00	0.04	0.167	0					2.40
13.500	0.00	0.04	0.166	0					2.39
13.583	0.00	0.04	0.166	0					2.39
13.667	0.00	0.04	0.166	0					2.39
13.750	0.00	0.04	0.165	0					2.38
13.833	0.00	0.04	0.165	0					2.38
13.917	0.00	0.04	0.165	0					2.38
14.000	0.00	0.04	0.165	0					2.37
14.083	0.00	0.04	0.164	0					2.37
14.167	0.00	0.04	0.164	0					2.37
14.250	0.00	0.04	0.164	0					2.37
14.333	0.00	0.04	0.163	0					2.36

14.417	0.00	0.04	0.163	0					2.36
14.500	0.00	0.04	0.163	0					2.36
14.583	0.00	0.04	0.163	0					2.35
14.667	0.00	0.04	0.162	0					2.35
14.750	0.00	0.04	0.162	0					2.35
14.833	0.00	0.04	0.162	0					2.34
14.917	0.00	0.04	0.161	0					2.34
15.000	0.00	0.04	0.161	0					2.34
15.083	0.00	0.04	0.161	0					2.33
15.167	0.00	0.04	0.161	0					2.33
15.250	0.00	0.04	0.160	0					2.33
15.333	0.00	0.04	0.160	0					2.33
15.417	0.00	0.04	0.160	0					2.32
15.500	0.00	0.04	0.159	0					2.32
15.583	0.00	0.04	0.159	0					2.32
15.667	0.00	0.04	0.159	0					2.31
15.750	0.00	0.04	0.159	0					2.31
15.833	0.00	0.04	0.158	0					2.31
15.917	0.00	0.04	0.158	0					2.30
16.000	0.00	0.04	0.158	0					2.30
16.083	0.00	0.04	0.157	0					2.30
16.167	0.00	0.04	0.157	0					2.30
16.250	0.00	0.04	0.157	0					2.29
16.333	0.00	0.04	0.156	0					2.29
16.417	0.00	0.04	0.156	0					2.29
16.500	0.00	0.04	0.156	0					2.28
16.583	0.00	0.04	0.156	0					2.28
16.667	0.00	0.04	0.155	0					2.28
16.750	0.00	0.04	0.155	0					2.27
16.833	0.00	0.04	0.155	0					2.27
16.917	0.00	0.04	0.154	0					2.27
17.000	0.00	0.04	0.154	0					2.27
17.083	0.00	0.04	0.154	0					2.26
17.167	0.00	0.04	0.154	0					2.26
17.250	0.00	0.04	0.153	0					2.26
17.333	0.00	0.04	0.153	0					2.25
17.417	0.00	0.04	0.153	0					2.25
17.500	0.00	0.04	0.153	0					2.25
17.583	0.00	0.04	0.152	0					2.24
17.667	0.00	0.04	0.152	0					2.24
17.750	0.00	0.04	0.152	0					2.24
17.833	0.00	0.04	0.151	0					2.24
17.917	0.00	0.04	0.151	0					2.23
18.000	0.00	0.04	0.151	0					2.23
18.083	0.00	0.04	0.151	0					2.23
18.167	0.00	0.04	0.150	0					2.22
18.250	0.00	0.04	0.150	0					2.22
18.333	0.00	0.04	0.150	0					2.22
18.417	0.00	0.04	0.149	0					2.21
18.500	0.00	0.04	0.149	0					2.21

18.583	0.00	0.04	0.149	0					2.21
18.667	0.00	0.04	0.149	0					2.21
18.750	0.00	0.04	0.148	0					2.20
18.833	0.00	0.04	0.148	0					2.20
18.917	0.00	0.04	0.148	0					2.20
19.000	0.00	0.04	0.147	0					2.19
19.083	0.00	0.04	0.147	0					2.19
19.167	0.00	0.04	0.147	0					2.19
19.250	0.00	0.04	0.147	0					2.19
19.333	0.00	0.04	0.146	0					2.18
19.417	0.00	0.04	0.146	0					2.18
19.500	0.00	0.04	0.146	0					2.18
19.583	0.00	0.04	0.145	0					2.17
19.667	0.00	0.04	0.145	0					2.17
19.750	0.00	0.04	0.145	0					2.17
19.833	0.00	0.04	0.145	0					2.16
19.917	0.00	0.04	0.144	0					2.16
20.000	0.00	0.04	0.144	0					2.16
20.083	0.00	0.04	0.144	0					2.16
20.167	0.00	0.04	0.144	0					2.15
20.250	0.00	0.04	0.143	0					2.15
20.333	0.00	0.04	0.143	0					2.15
20.417	0.00	0.04	0.143	0					2.14
20.500	0.00	0.04	0.142	0					2.14
20.583	0.00	0.04	0.142	0					2.14
20.667	0.00	0.04	0.142	0					2.14
20.750	0.00	0.04	0.142	0					2.13
20.833	0.00	0.04	0.141	0					2.13
20.917	0.00	0.04	0.141	0					2.13
21.000	0.00	0.04	0.141	0					2.12
21.083	0.00	0.04	0.140	0					2.12
21.167	0.00	0.04	0.140	0					2.12
21.250	0.00	0.04	0.140	0					2.11
21.333	0.00	0.04	0.140	0					2.11
21.417	0.00	0.04	0.139	0					2.11
21.500	0.00	0.04	0.139	0					2.11
21.583	0.00	0.04	0.139	0					2.10
21.667	0.00	0.04	0.139	0					2.10
21.750	0.00	0.04	0.138	0					2.10
21.833	0.00	0.04	0.138	0					2.09
21.917	0.00	0.04	0.138	0					2.09
22.000	0.00	0.04	0.137	0					2.09
22.083	0.00	0.04	0.137	0					2.09
22.167	0.00	0.04	0.137	0					2.08
22.250	0.00	0.04	0.137	0					2.08
22.333	0.00	0.04	0.136	0					2.08
22.417	0.00	0.04	0.136	0					2.07
22.500	0.00	0.04	0.136	0					2.07
22.583	0.00	0.04	0.136	0					2.07
22.667	0.00	0.04	0.135	0					2.07

22.750	0.00	0.04	0.135	0					2.06
22.833	0.00	0.04	0.135	0					2.06
22.917	0.00	0.04	0.134	0					2.06
23.000	0.00	0.04	0.134	0					2.05
23.083	0.00	0.04	0.134	0					2.05
23.167	0.00	0.04	0.134	0					2.05
23.250	0.00	0.04	0.133	0					2.05
23.333	0.00	0.04	0.133	0					2.04
23.417	0.00	0.04	0.133	0					2.04
23.500	0.00	0.04	0.133	0					2.04
23.583	0.00	0.04	0.132	0					2.03
23.667	0.00	0.04	0.132	0					2.03
23.750	0.00	0.04	0.132	0					2.03
23.833	0.00	0.04	0.131	0					2.03
23.917	0.00	0.04	0.131	0					2.02
24.000	0.00	0.04	0.131	0					2.02
24.083	0.00	0.04	0.131	0					2.02
24.167	0.00	0.04	0.130	0					2.01
24.250	0.00	0.04	0.130	0					2.01
24.333	0.00	0.04	0.130	0					2.01
24.417	0.00	0.04	0.130	0					2.01
24.500	0.00	0.04	0.129	0					2.00
24.583	0.00	0.04	0.129	0					2.00
24.667	0.00	0.04	0.129	0					2.00
24.750	0.00	0.04	0.128	0					1.99
24.833	0.00	0.04	0.128	0					1.99
24.917	0.00	0.04	0.128	0					1.99
25.000	0.00	0.04	0.128	0					1.98
25.083	0.00	0.04	0.127	0					1.98
25.167	0.00	0.04	0.127	0					1.98
25.250	0.00	0.04	0.127	0					1.97
25.333	0.00	0.04	0.127	0					1.97
25.417	0.00	0.04	0.126	0					1.97
25.500	0.00	0.04	0.126	0					1.96
25.583	0.00	0.04	0.126	0					1.96
25.667	0.00	0.04	0.126	0					1.96
25.750	0.00	0.04	0.125	0					1.95
25.833	0.00	0.04	0.125	0					1.95
25.917	0.00	0.04	0.125	0					1.95
26.000	0.00	0.04	0.124	0					1.94
26.083	0.00	0.04	0.124	0					1.94
26.167	0.00	0.04	0.124	0					1.94
26.250	0.00	0.04	0.124	0					1.93
26.333	0.00	0.04	0.123	0					1.93
26.417	0.00	0.04	0.123	0					1.93
26.500	0.00	0.04	0.123	0					1.92
26.583	0.00	0.04	0.123	0					1.92
26.667	0.00	0.04	0.122	0					1.92
26.750	0.00	0.04	0.122	0					1.91
26.833	0.00	0.04	0.122	0					1.91

26.917	0.00	0.04	0.122	0					1.91
27.000	0.00	0.04	0.121	0					1.90
27.083	0.00	0.04	0.121	0					1.90
27.167	0.00	0.04	0.121	0					1.90
27.250	0.00	0.04	0.121	0					1.89
27.333	0.00	0.04	0.120	0					1.89
27.417	0.00	0.04	0.120	0					1.89
27.500	0.00	0.04	0.120	0					1.88
27.583	0.00	0.04	0.120	0					1.88
27.667	0.00	0.04	0.119	0					1.88
27.750	0.00	0.04	0.119	0					1.88
27.833	0.00	0.04	0.119	0					1.87
27.917	0.00	0.04	0.118	0					1.87
28.000	0.00	0.04	0.118	0					1.87
28.083	0.00	0.04	0.118	0					1.86
28.167	0.00	0.04	0.118	0					1.86
28.250	0.00	0.04	0.117	0					1.86
28.333	0.00	0.04	0.117	0					1.85
28.417	0.00	0.04	0.117	0					1.85
28.500	0.00	0.04	0.117	0					1.85
28.583	0.00	0.04	0.116	0					1.84
28.667	0.00	0.04	0.116	0					1.84
28.750	0.00	0.04	0.116	0					1.84
28.833	0.00	0.04	0.116	0					1.83
28.917	0.00	0.04	0.115	0					1.83
29.000	0.00	0.04	0.115	0					1.83
29.083	0.00	0.04	0.115	0					1.82
29.167	0.00	0.04	0.115	0					1.82
29.250	0.00	0.04	0.114	0					1.82
29.333	0.00	0.04	0.114	0					1.81
29.417	0.00	0.04	0.114	0					1.81
29.500	0.00	0.04	0.114	0					1.81
29.583	0.00	0.04	0.113	0					1.80
29.667	0.00	0.04	0.113	0					1.80
29.750	0.00	0.04	0.113	0					1.80
29.833	0.00	0.04	0.113	0					1.80
29.917	0.00	0.04	0.112	0					1.79
30.000	0.00	0.04	0.112	0					1.79
30.083	0.00	0.04	0.112	0					1.79
30.167	0.00	0.04	0.112	0					1.78
30.250	0.00	0.04	0.111	0					1.78
30.333	0.00	0.04	0.111	0					1.78
30.417	0.00	0.04	0.111	0					1.77
30.500	0.00	0.04	0.111	0					1.77
30.583	0.00	0.04	0.110	0					1.77
30.667	0.00	0.04	0.110	0					1.76
30.750	0.00	0.04	0.110	0					1.76
30.833	0.00	0.04	0.110	0					1.76
30.917	0.00	0.04	0.109	0					1.75
31.000	0.00	0.04	0.109	0					1.75

31.083	0.00	0.04	0.109	0					1.75
31.167	0.00	0.04	0.109	0					1.74
31.250	0.00	0.04	0.108	0					1.74
31.333	0.00	0.04	0.108	0					1.74
31.417	0.00	0.04	0.108	0					1.74
31.500	0.00	0.04	0.108	0					1.73
31.583	0.00	0.04	0.107	0					1.73
31.667	0.00	0.04	0.107	0					1.73
31.750	0.00	0.04	0.107	0					1.72
31.833	0.00	0.04	0.107	0					1.72
31.917	0.00	0.04	0.106	0					1.72
32.000	0.00	0.04	0.106	0					1.71
32.083	0.00	0.04	0.106	0					1.71
32.167	0.00	0.04	0.106	0					1.71
32.250	0.00	0.04	0.105	0					1.70
32.333	0.00	0.04	0.105	0					1.70
32.417	0.00	0.04	0.105	0					1.70
32.500	0.00	0.04	0.105	0					1.70
32.583	0.00	0.04	0.104	0					1.69
32.667	0.00	0.04	0.104	0					1.69
32.750	0.00	0.04	0.104	0					1.69
32.833	0.00	0.04	0.104	0					1.68
32.917	0.00	0.04	0.103	0					1.68
33.000	0.00	0.04	0.103	0					1.68
33.083	0.00	0.04	0.103	0					1.67
33.167	0.00	0.04	0.103	0					1.67
33.250	0.00	0.04	0.102	0					1.67
33.333	0.00	0.04	0.102	0					1.66
33.417	0.00	0.04	0.102	0					1.66
33.500	0.00	0.04	0.102	0					1.66
33.583	0.00	0.04	0.101	0					1.66
33.667	0.00	0.04	0.101	0					1.65
33.750	0.00	0.04	0.101	0					1.65
33.833	0.00	0.04	0.101	0					1.65
33.917	0.00	0.04	0.100	0					1.64
34.000	0.00	0.04	0.100	0					1.64
34.083	0.00	0.04	0.100	0					1.64
34.167	0.00	0.03	0.100	0					1.63
34.250	0.00	0.03	0.100	0					1.63
34.333	0.00	0.03	0.099	0					1.63
34.417	0.00	0.03	0.099	0					1.63
34.500	0.00	0.03	0.099	0					1.62
34.583	0.00	0.03	0.099	0					1.62
34.667	0.00	0.03	0.098	0					1.62
34.750	0.00	0.03	0.098	0					1.61
34.833	0.00	0.03	0.098	0					1.61
34.917	0.00	0.03	0.098	0					1.61
35.000	0.00	0.03	0.097	0					1.60
35.083	0.00	0.03	0.097	0					1.60
35.167	0.00	0.03	0.097	0					1.60

35.250	0.00	0.03	0.097	0					1.60
35.333	0.00	0.03	0.096	0					1.59
35.417	0.00	0.03	0.096	0					1.59
35.500	0.00	0.03	0.096	0					1.59
35.583	0.00	0.03	0.096	0					1.58
35.667	0.00	0.03	0.095	0					1.58
35.750	0.00	0.03	0.095	0					1.58
35.833	0.00	0.03	0.095	0					1.57
35.917	0.00	0.03	0.095	0					1.57
36.000	0.00	0.03	0.095	0					1.57
36.083	0.00	0.03	0.094	0					1.57
36.167	0.00	0.03	0.094	0					1.56
36.250	0.00	0.03	0.094	0					1.56
36.333	0.00	0.03	0.094	0					1.56
36.417	0.00	0.03	0.093	0					1.55
36.500	0.00	0.03	0.093	0					1.55
36.583	0.00	0.03	0.093	0					1.55
36.667	0.00	0.03	0.093	0					1.55
36.750	0.00	0.03	0.092	0					1.54
36.833	0.00	0.03	0.092	0					1.54
36.917	0.00	0.03	0.092	0					1.54
37.000	0.00	0.03	0.092	0					1.53
37.083	0.00	0.03	0.091	0					1.53
37.167	0.00	0.03	0.091	0					1.53
37.250	0.00	0.03	0.091	0					1.53
37.333	0.00	0.03	0.091	0					1.52
37.417	0.00	0.03	0.091	0					1.52
37.500	0.00	0.03	0.090	0					1.52
37.583	0.00	0.03	0.090	0					1.51
37.667	0.00	0.03	0.090	0					1.51
37.750	0.00	0.03	0.090	0					1.51
37.833	0.00	0.03	0.089	0					1.50
37.917	0.00	0.03	0.089	0					1.50
38.000	0.00	0.03	0.089	0					1.50
38.083	0.00	0.03	0.089	0					1.50
38.167	0.00	0.03	0.088	0					1.49
38.250	0.00	0.03	0.088	0					1.49
38.333	0.00	0.03	0.088	0					1.49
38.417	0.00	0.03	0.088	0					1.48
38.500	0.00	0.03	0.088	0					1.48
38.583	0.00	0.03	0.087	0					1.48
38.667	0.00	0.03	0.087	0					1.48
38.750	0.00	0.03	0.087	0					1.47
38.833	0.00	0.03	0.087	0					1.47
38.917	0.00	0.03	0.086	0					1.47
39.000	0.00	0.03	0.086	0					1.46
39.083	0.00	0.03	0.086	0					1.46
39.167	0.00	0.03	0.086	0					1.46
39.250	0.00	0.03	0.085	0					1.46
39.333	0.00	0.03	0.085	0					1.45

39.417	0.00	0.03	0.085	0					1.45
39.500	0.00	0.03	0.085	0					1.45
39.583	0.00	0.03	0.085	0					1.44
39.667	0.00	0.03	0.084	0					1.44
39.750	0.00	0.03	0.084	0					1.44
39.833	0.00	0.03	0.084	0					1.44
39.917	0.00	0.03	0.084	0					1.43
40.000	0.00	0.03	0.083	0					1.43
40.083	0.00	0.03	0.083	0					1.43
40.167	0.00	0.03	0.083	0					1.42
40.250	0.00	0.03	0.083	0					1.42
40.333	0.00	0.03	0.083	0					1.42
40.417	0.00	0.03	0.082	0					1.42
40.500	0.00	0.03	0.082	0					1.41
40.583	0.00	0.03	0.082	0					1.41
40.667	0.00	0.03	0.082	0					1.41
40.750	0.00	0.03	0.081	0					1.41
40.833	0.00	0.03	0.081	0					1.40
40.917	0.00	0.03	0.081	0					1.40
41.000	0.00	0.03	0.081	0					1.40
41.083	0.00	0.03	0.081	0					1.39
41.167	0.00	0.03	0.080	0					1.39
41.250	0.00	0.03	0.080	0					1.39
41.333	0.00	0.03	0.080	0					1.39
41.417	0.00	0.03	0.080	0					1.38
41.500	0.00	0.03	0.079	0					1.38
41.583	0.00	0.03	0.079	0					1.38
41.667	0.00	0.03	0.079	0					1.37
41.750	0.00	0.03	0.079	0					1.37
41.833	0.00	0.03	0.079	0					1.37
41.917	0.00	0.03	0.078	0					1.37
42.000	0.00	0.03	0.078	0					1.36
42.083	0.00	0.03	0.078	0					1.36
42.167	0.00	0.03	0.078	0					1.36
42.250	0.00	0.03	0.077	0					1.36
42.333	0.00	0.03	0.077	0					1.35
42.417	0.00	0.03	0.077	0					1.35
42.500	0.00	0.03	0.077	0					1.35
42.583	0.00	0.03	0.077	0					1.34
42.667	0.00	0.03	0.076	0					1.34
42.750	0.00	0.03	0.076	0					1.34
42.833	0.00	0.03	0.076	0					1.34
42.917	0.00	0.03	0.076	0					1.33
43.000	0.00	0.03	0.075	0					1.33
43.083	0.00	0.03	0.075	0					1.33
43.167	0.00	0.03	0.075	0					1.33
43.250	0.00	0.03	0.075	0					1.32
43.333	0.00	0.03	0.075	0					1.32
43.417	0.00	0.03	0.074	0					1.32
43.500	0.00	0.03	0.074	0					1.31

43.583	0.00	0.03	0.074	0					1.31
43.667	0.00	0.03	0.074	0					1.31
43.750	0.00	0.03	0.074	0					1.31
43.833	0.00	0.03	0.073	0					1.30
43.917	0.00	0.03	0.073	0					1.30
44.000	0.00	0.03	0.073	0					1.30
44.083	0.00	0.03	0.073	0					1.30
44.167	0.00	0.03	0.072	0					1.29
44.250	0.00	0.03	0.072	0					1.29
44.333	0.00	0.03	0.072	0					1.29
44.417	0.00	0.03	0.072	0					1.28
44.500	0.00	0.03	0.072	0					1.28
44.583	0.00	0.03	0.071	0					1.28
44.667	0.00	0.03	0.071	0					1.28
44.750	0.00	0.03	0.071	0					1.27
44.833	0.00	0.03	0.071	0					1.27
44.917	0.00	0.03	0.071	0					1.27
45.000	0.00	0.03	0.070	0					1.27
45.083	0.00	0.03	0.070	0					1.26
45.167	0.00	0.03	0.070	0					1.26
45.250	0.00	0.03	0.070	0					1.26
45.333	0.00	0.03	0.069	0					1.26
45.417	0.00	0.03	0.069	0					1.25
45.500	0.00	0.03	0.069	0					1.25
45.583	0.00	0.03	0.069	0					1.25
45.667	0.00	0.03	0.069	0					1.24
45.750	0.00	0.03	0.068	0					1.24
45.833	0.00	0.03	0.068	0					1.24
45.917	0.00	0.03	0.068	0					1.24
46.000	0.00	0.03	0.068	0					1.23
46.083	0.00	0.03	0.068	0					1.23
46.167	0.00	0.03	0.067	0					1.23
46.250	0.00	0.03	0.067	0					1.23
46.333	0.00	0.03	0.067	0					1.22
46.417	0.00	0.03	0.067	0					1.22
46.500	0.00	0.03	0.066	0					1.22
46.583	0.00	0.03	0.066	0					1.22
46.667	0.00	0.03	0.066	0					1.21
46.750	0.00	0.03	0.066	0					1.21
46.833	0.00	0.03	0.066	0					1.21
46.917	0.00	0.03	0.065	0					1.21
47.000	0.00	0.03	0.065	0					1.20
47.083	0.00	0.03	0.065	0					1.20
47.167	0.00	0.03	0.065	0					1.20
47.250	0.00	0.03	0.065	0					1.20
47.333	0.00	0.03	0.064	0					1.19
47.417	0.00	0.03	0.064	0					1.19
47.500	0.00	0.03	0.064	0					1.19
47.583	0.00	0.03	0.064	0					1.18
47.667	0.00	0.03	0.064	0					1.18

47.750	0.00	0.03	0.063	0					1.18
47.833	0.00	0.03	0.063	0					1.18
47.917	0.00	0.03	0.063	0					1.17
48.000	0.00	0.03	0.063	0					1.17
48.083	0.00	0.03	0.063	0					1.17
48.167	0.00	0.03	0.062	0					1.17
48.250	0.00	0.03	0.062	0					1.16
48.333	0.00	0.03	0.062	0					1.16
48.417	0.00	0.03	0.062	0					1.16
48.500	0.00	0.03	0.062	0					1.16
48.583	0.00	0.03	0.061	0					1.15
48.667	0.00	0.03	0.061	0					1.15
48.750	0.00	0.03	0.061	0					1.15
48.833	0.00	0.03	0.061	0					1.15
48.917	0.00	0.03	0.061	0					1.14
49.000	0.00	0.03	0.060	0					1.14
49.083	0.00	0.03	0.060	0					1.14
49.167	0.00	0.03	0.060	0					1.14
49.250	0.00	0.03	0.060	0					1.13
49.333	0.00	0.03	0.059	0					1.13
49.417	0.00	0.03	0.059	0					1.13
49.500	0.00	0.03	0.059	0					1.13
49.583	0.00	0.03	0.059	0					1.12
49.667	0.00	0.03	0.059	0					1.12
49.750	0.00	0.03	0.058	0					1.12
49.833	0.00	0.03	0.058	0					1.12
49.917	0.00	0.03	0.058	0					1.11
50.000	0.00	0.03	0.058	0					1.11
50.083	0.00	0.03	0.058	0					1.11
50.167	0.00	0.03	0.057	0					1.11
50.250	0.00	0.03	0.057	0					1.10
50.333	0.00	0.03	0.057	0					1.10
50.417	0.00	0.03	0.057	0					1.10
50.500	0.00	0.03	0.057	0					1.10
50.583	0.00	0.03	0.056	0					1.09
50.667	0.00	0.03	0.056	0					1.09
50.750	0.00	0.03	0.056	0					1.09
50.833	0.00	0.03	0.056	0					1.09
50.917	0.00	0.03	0.056	0					1.08
51.000	0.00	0.03	0.055	0					1.08
51.083	0.00	0.03	0.055	0					1.08
51.167	0.00	0.03	0.055	0					1.08
51.250	0.00	0.03	0.055	0					1.07
51.333	0.00	0.03	0.055	0					1.07
51.417	0.00	0.03	0.054	0					1.07
51.500	0.00	0.03	0.054	0					1.07
51.583	0.00	0.03	0.054	0					1.06
51.667	0.00	0.03	0.054	0					1.06
51.750	0.00	0.03	0.054	0					1.06
51.833	0.00	0.03	0.053	0					1.06

51.917	0.00	0.03	0.053	0					1.05
52.000	0.00	0.03	0.053	0					1.05
52.083	0.00	0.03	0.053	0					1.05
52.167	0.00	0.03	0.053	0					1.05
52.250	0.00	0.03	0.053	0					1.04
52.333	0.00	0.03	0.052	0					1.04
52.417	0.00	0.03	0.052	0					1.04
52.500	0.00	0.03	0.052	0					1.04
52.583	0.00	0.03	0.052	0					1.03
52.667	0.00	0.03	0.052	0					1.03
52.750	0.00	0.03	0.051	0					1.03
52.833	0.00	0.03	0.051	0					1.03
52.917	0.00	0.03	0.051	0					1.02
53.000	0.00	0.03	0.051	0					1.02
53.083	0.00	0.03	0.051	0					1.02
53.167	0.00	0.03	0.050	0					1.02
53.250	0.00	0.03	0.050	0					1.01
53.333	0.00	0.03	0.050	0					1.01
53.417	0.00	0.03	0.050	0					1.01
53.500	0.00	0.03	0.050	0					1.01
53.583	0.00	0.03	0.049	0					1.00
53.667	0.00	0.03	0.049	0					1.00
53.750	0.00	0.03	0.049	0					1.00
53.833	0.00	0.03	0.049	0					1.00
53.917	0.00	0.03	0.049	0					0.99
54.000	0.00	0.03	0.048	0					0.99
54.083	0.00	0.03	0.048	0					0.99
54.167	0.00	0.03	0.048	0					0.98
54.250	0.00	0.03	0.048	0					0.98
54.333	0.00	0.03	0.048	0					0.97
54.417	0.00	0.03	0.047	0					0.97
54.500	0.00	0.03	0.047	0					0.97
54.583	0.00	0.03	0.047	0					0.96
54.667	0.00	0.03	0.047	0					0.96
54.750	0.00	0.03	0.047	0					0.96
54.833	0.00	0.03	0.047	0					0.95
54.917	0.00	0.03	0.046	0					0.95
55.000	0.00	0.03	0.046	0					0.95
55.083	0.00	0.03	0.046	0					0.94
55.167	0.00	0.03	0.046	0					0.94
55.250	0.00	0.03	0.046	0					0.94
55.333	0.00	0.03	0.045	0					0.93
55.417	0.00	0.03	0.045	0					0.93
55.500	0.00	0.03	0.045	0					0.93
55.583	0.00	0.03	0.045	0					0.92
55.667	0.00	0.03	0.045	0					0.92
55.750	0.00	0.03	0.045	0					0.91
55.833	0.00	0.03	0.044	0					0.91
55.917	0.00	0.03	0.044	0					0.91
56.000	0.00	0.03	0.044	0					0.90

56.083	0.00	0.03	0.044	0					0.90
56.167	0.00	0.03	0.044	0					0.90
56.250	0.00	0.03	0.043	0					0.89
56.333	0.00	0.03	0.043	0					0.89
56.417	0.00	0.03	0.043	0					0.89
56.500	0.00	0.03	0.043	0					0.88
56.583	0.00	0.03	0.043	0					0.88
56.667	0.00	0.03	0.043	0					0.88
56.750	0.00	0.02	0.042	0					0.87
56.833	0.00	0.02	0.042	0					0.87
56.917	0.00	0.02	0.042	0					0.87
57.000	0.00	0.02	0.042	0					0.86
57.083	0.00	0.02	0.042	0					0.86
57.167	0.00	0.02	0.042	0					0.86
57.250	0.00	0.02	0.041	0					0.86
57.333	0.00	0.02	0.041	0					0.85
57.417	0.00	0.02	0.041	0					0.85
57.500	0.00	0.02	0.041	0					0.85
57.583	0.00	0.02	0.041	0					0.84
57.667	0.00	0.02	0.041	0					0.84
57.750	0.00	0.02	0.040	0					0.84
57.833	0.00	0.02	0.040	0					0.83
57.917	0.00	0.02	0.040	0					0.83
58.000	0.00	0.02	0.040	0					0.83
58.083	0.00	0.02	0.040	0					0.82
58.167	0.00	0.02	0.040	0					0.82
58.250	0.00	0.02	0.039	0					0.82
58.333	0.00	0.02	0.039	0					0.81
58.417	0.00	0.02	0.039	0					0.81
58.500	0.00	0.02	0.039	0					0.81
58.583	0.00	0.02	0.039	0					0.80
58.667	0.00	0.02	0.039	0					0.80
58.750	0.00	0.02	0.038	0					0.80
58.833	0.00	0.02	0.038	0					0.80
58.917	0.00	0.02	0.038	0					0.79
59.000	0.00	0.02	0.038	0					0.79
59.083	0.00	0.02	0.038	0					0.79
59.167	0.00	0.02	0.038	0					0.78
59.250	0.00	0.02	0.038	0					0.78
59.333	0.00	0.02	0.037	0					0.78
59.417	0.00	0.02	0.037	0					0.77
59.500	0.00	0.02	0.037	0					0.77
59.583	0.00	0.02	0.037	0					0.77
59.667	0.00	0.02	0.037	0					0.77
59.750	0.00	0.02	0.037	0					0.76
59.833	0.00	0.02	0.036	0					0.76
59.917	0.00	0.02	0.036	0					0.76
60.000	0.00	0.02	0.036	0					0.75
60.083	0.00	0.02	0.036	0					0.75
60.167	0.00	0.02	0.036	0					0.75

60.250	0.00	0.02	0.036	0					0.75
60.333	0.00	0.02	0.036	0					0.74
60.417	0.00	0.02	0.035	0					0.74
60.500	0.00	0.02	0.035	0					0.74
60.583	0.00	0.02	0.035	0					0.73
60.667	0.00	0.02	0.035	0					0.73
60.750	0.00	0.02	0.035	0					0.73
60.833	0.00	0.02	0.035	0					0.73
60.917	0.00	0.02	0.035	0					0.72
61.000	0.00	0.02	0.034	0					0.72
61.083	0.00	0.02	0.034	0					0.72
61.167	0.00	0.02	0.034	0					0.71
61.250	0.00	0.02	0.034	0					0.71
61.333	0.00	0.02	0.034	0					0.71
61.417	0.00	0.02	0.034	0					0.71
61.500	0.00	0.02	0.034	0					0.70
61.583	0.00	0.02	0.033	0					0.70
61.667	0.00	0.02	0.033	0					0.70
61.750	0.00	0.02	0.033	0					0.70
61.833	0.00	0.02	0.033	0					0.69
61.917	0.00	0.02	0.033	0					0.69
62.000	0.00	0.02	0.033	0					0.69
62.083	0.00	0.02	0.033	0					0.68
62.167	0.00	0.02	0.032	0					0.68
62.250	0.00	0.02	0.032	0					0.68
62.333	0.00	0.02	0.032	0					0.68
62.417	0.00	0.02	0.032	0					0.67
62.500	0.00	0.02	0.032	0					0.67
62.583	0.00	0.02	0.032	0					0.67
62.667	0.00	0.02	0.032	0					0.67
62.750	0.00	0.02	0.031	0					0.66
62.833	0.00	0.02	0.031	0					0.66
62.917	0.00	0.02	0.031	0					0.66
63.000	0.00	0.02	0.031	0					0.66
63.083	0.00	0.02	0.031	0					0.65
63.167	0.00	0.02	0.031	0					0.65
63.250	0.00	0.02	0.031	0					0.65
63.333	0.00	0.02	0.030	0					0.65
63.417	0.00	0.02	0.030	0					0.64
63.500	0.00	0.02	0.030	0					0.64
63.583	0.00	0.02	0.030	0					0.64
63.667	0.00	0.02	0.030	0					0.64
63.750	0.00	0.02	0.030	0					0.63
63.833	0.00	0.02	0.030	0					0.63
63.917	0.00	0.02	0.030	0					0.63
64.000	0.00	0.02	0.029	0					0.63
64.083	0.00	0.02	0.029	0					0.62
64.167	0.00	0.02	0.029	0					0.62
64.250	0.00	0.02	0.029	0					0.62
64.333	0.00	0.02	0.029	0					0.62

64.417	0.00	0.02	0.029	0					0.61
64.500	0.00	0.02	0.029	0					0.61
64.583	0.00	0.02	0.029	0					0.61
64.667	0.00	0.02	0.028	0					0.61
64.750	0.00	0.02	0.028	0					0.60
64.833	0.00	0.02	0.028	0					0.60
64.917	0.00	0.02	0.028	0					0.60
65.000	0.00	0.02	0.028	0					0.60
65.083	0.00	0.02	0.028	0					0.59
65.167	0.00	0.02	0.028	0					0.59
65.250	0.00	0.02	0.028	0					0.59
65.333	0.00	0.02	0.027	0					0.59
65.417	0.00	0.02	0.027	0					0.58
65.500	0.00	0.02	0.027	0					0.58
65.583	0.00	0.02	0.027	0					0.58
65.667	0.00	0.02	0.027	0					0.58
65.750	0.00	0.02	0.027	0					0.57
65.833	0.00	0.02	0.027	0					0.57
65.917	0.00	0.02	0.027	0					0.57
66.000	0.00	0.02	0.026	0					0.57
66.083	0.00	0.02	0.026	0					0.57
66.167	0.00	0.02	0.026	0					0.56
66.250	0.00	0.02	0.026	0					0.56
66.333	0.00	0.02	0.026	0					0.56
66.417	0.00	0.02	0.026	0					0.56
66.500	0.00	0.02	0.026	0					0.55
66.583	0.00	0.02	0.026	0					0.55
66.667	0.00	0.02	0.025	0					0.55
66.750	0.00	0.02	0.025	0					0.55
66.833	0.00	0.02	0.025	0					0.55
66.917	0.00	0.02	0.025	0					0.54
67.000	0.00	0.02	0.025	0					0.54
67.083	0.00	0.02	0.025	0					0.54
67.167	0.00	0.02	0.025	0					0.54
67.250	0.00	0.02	0.025	0					0.53
67.333	0.00	0.02	0.025	0					0.53
67.417	0.00	0.02	0.024	0					0.53
67.500	0.00	0.02	0.024	0					0.53
67.583	0.00	0.02	0.024	0					0.53
67.667	0.00	0.02	0.024	0					0.52
67.750	0.00	0.02	0.024	0					0.52
67.833	0.00	0.02	0.024	0					0.52
67.917	0.00	0.02	0.024	0					0.52
68.000	0.00	0.02	0.024	0					0.51
68.083	0.00	0.02	0.024	0					0.51
68.167	0.00	0.02	0.023	0					0.51
68.250	0.00	0.02	0.023	0					0.51
68.333	0.00	0.02	0.023	0					0.51
68.417	0.00	0.02	0.023	0					0.50
68.500	0.00	0.02	0.023	0					0.50

68.583	0.00	0.02	0.023	0					0.50
68.667	0.00	0.02	0.023	0					0.50
68.750	0.00	0.02	0.023	0					0.50
68.833	0.00	0.02	0.023	0					0.49
68.917	0.00	0.02	0.022	0					0.49
69.000	0.00	0.02	0.022	0					0.49
69.083	0.00	0.02	0.022	0					0.49
69.167	0.00	0.02	0.022	0					0.49
69.250	0.00	0.02	0.022	0					0.48
69.333	0.00	0.02	0.022	0					0.48
69.417	0.00	0.02	0.022	0					0.48
69.500	0.00	0.02	0.022	0					0.48
69.583	0.00	0.02	0.022	0					0.48
69.667	0.00	0.02	0.022	0					0.47
69.750	0.00	0.02	0.021	0					0.47
69.833	0.00	0.02	0.021	0					0.47
69.917	0.00	0.01	0.021	0					0.47
70.000	0.00	0.01	0.021	0					0.47
70.083	0.00	0.01	0.021	0					0.46
70.167	0.00	0.01	0.021	0					0.46
70.250	0.00	0.01	0.021	0					0.46
70.333	0.00	0.01	0.021	0					0.46
70.417	0.00	0.01	0.021	0					0.46
70.500	0.00	0.01	0.020	0					0.45
70.583	0.00	0.01	0.020	0					0.45
70.667	0.00	0.01	0.020	0					0.45
70.750	0.00	0.01	0.020	0					0.45
70.833	0.00	0.01	0.020	0					0.45
70.917	0.00	0.01	0.020	0					0.44
71.000	0.00	0.01	0.020	0					0.44
71.083	0.00	0.01	0.020	0					0.44
71.167	0.00	0.01	0.020	0					0.44
71.250	0.00	0.01	0.020	0					0.44
71.333	0.00	0.01	0.019	0					0.43
71.417	0.00	0.01	0.019	0					0.43
71.500	0.00	0.01	0.019	0					0.43
71.583	0.00	0.01	0.019	0					0.43
71.667	0.00	0.01	0.019	0					0.43
71.750	0.00	0.01	0.019	0					0.43
71.833	0.00	0.01	0.019	0					0.42
71.917	0.00	0.01	0.019	0					0.42
72.000	0.00	0.01	0.019	0					0.42
72.083	0.00	0.01	0.019	0					0.42
72.167	0.00	0.01	0.019	0					0.42
72.250	0.00	0.01	0.018	0					0.41
72.333	0.00	0.01	0.018	0					0.41
72.417	0.00	0.01	0.018	0					0.41
72.500	0.00	0.01	0.018	0					0.41
72.583	0.00	0.01	0.018	0					0.41
72.667	0.00	0.01	0.018	0					0.41

72.750	0.00	0.01	0.018	0					0.40
72.833	0.00	0.01	0.018	0					0.40
72.917	0.00	0.01	0.018	0					0.40
73.000	0.00	0.01	0.018	0					0.40
73.083	0.00	0.01	0.017	0					0.40
73.167	0.00	0.01	0.017	0					0.40
73.250	0.00	0.01	0.017	0					0.39
73.333	0.00	0.01	0.017	0					0.39
73.417	0.00	0.01	0.017	0					0.39
73.500	0.00	0.01	0.017	0					0.39
73.583	0.00	0.01	0.017	0					0.39
73.667	0.00	0.01	0.017	0					0.38
73.750	0.00	0.01	0.017	0					0.38
73.833	0.00	0.01	0.017	0					0.38
73.917	0.00	0.01	0.017	0					0.38
74.000	0.00	0.01	0.017	0					0.38
74.083	0.00	0.01	0.016	0					0.38
74.167	0.00	0.01	0.016	0					0.37
74.250	0.00	0.01	0.016	0					0.37
74.333	0.00	0.01	0.016	0					0.37
74.417	0.00	0.01	0.016	0					0.37
74.500	0.00	0.01	0.016	0					0.37
74.583	0.00	0.01	0.016	0					0.37
74.667	0.00	0.01	0.016	0					0.36
74.750	0.00	0.01	0.016	0					0.36
74.833	0.00	0.01	0.016	0					0.36
74.917	0.00	0.01	0.016	0					0.36
75.000	0.00	0.01	0.015	0					0.36
75.083	0.00	0.01	0.015	0					0.36
75.167	0.00	0.01	0.015	0					0.35
75.250	0.00	0.01	0.015	0					0.35
75.333	0.00	0.01	0.015	0					0.35
75.417	0.00	0.01	0.015	0					0.35
75.500	0.00	0.01	0.015	0					0.35
75.583	0.00	0.01	0.015	0					0.35
75.667	0.00	0.01	0.015	0					0.35
75.750	0.00	0.01	0.015	0					0.34
75.833	0.00	0.01	0.015	0					0.34
75.917	0.00	0.01	0.015	0					0.34
76.000	0.00	0.01	0.014	0					0.34
76.083	0.00	0.01	0.014	0					0.34
76.167	0.00	0.01	0.014	0					0.34
76.250	0.00	0.01	0.014	0					0.33
76.333	0.00	0.01	0.014	0					0.33
76.417	0.00	0.01	0.014	0					0.33
76.500	0.00	0.01	0.014	0					0.33
76.583	0.00	0.01	0.014	0					0.33
76.667	0.00	0.01	0.014	0					0.33
76.750	0.00	0.01	0.014	0					0.33
76.833	0.00	0.01	0.014	0					0.32

76.917	0.00	0.01	0.014	0					0.32
77.000	0.00	0.01	0.014	0					0.32
77.083	0.00	0.01	0.013	0					0.32
77.167	0.00	0.01	0.013	0					0.32
77.250	0.00	0.01	0.013	0					0.32
77.333	0.00	0.01	0.013	0					0.31
77.417	0.00	0.01	0.013	0					0.31
77.500	0.00	0.01	0.013	0					0.31
77.583	0.00	0.01	0.013	0					0.31
77.667	0.00	0.01	0.013	0					0.31
77.750	0.00	0.01	0.013	0					0.31
77.833	0.00	0.01	0.013	0					0.31
77.917	0.00	0.01	0.013	0					0.30
78.000	0.00	0.01	0.013	0					0.30
78.083	0.00	0.01	0.013	0					0.30
78.167	0.00	0.01	0.012	0					0.30
78.250	0.00	0.01	0.012	0					0.30
78.333	0.00	0.01	0.012	0					0.30
78.417	0.00	0.01	0.012	0					0.30
78.500	0.00	0.01	0.012	0					0.29
78.583	0.00	0.01	0.012	0					0.29
78.667	0.00	0.01	0.012	0					0.29
78.750	0.00	0.01	0.012	0					0.29
78.833	0.00	0.01	0.012	0					0.29
78.917	0.00	0.01	0.012	0					0.29
79.000	0.00	0.01	0.012	0					0.29
79.083	0.00	0.01	0.012	0					0.28
79.167	0.00	0.01	0.012	0					0.28
79.250	0.00	0.01	0.011	0					0.28
79.333	0.00	0.01	0.011	0					0.28
79.417	0.00	0.01	0.011	0					0.28
79.500	0.00	0.01	0.011	0					0.28
79.583	0.00	0.01	0.011	0					0.28
79.667	0.00	0.01	0.011	0					0.27
79.750	0.00	0.01	0.011	0					0.27
79.833	0.00	0.01	0.011	0					0.27
79.917	0.00	0.01	0.011	0					0.27
80.000	0.00	0.01	0.011	0					0.27
80.083	0.00	0.01	0.011	0					0.27
80.167	0.00	0.01	0.011	0					0.27
80.250	0.00	0.01	0.011	0					0.27
80.333	0.00	0.01	0.011	0					0.26
80.417	0.00	0.01	0.011	0					0.26
80.500	0.00	0.01	0.010	0					0.26
80.583	0.00	0.01	0.010	0					0.26
80.667	0.00	0.01	0.010	0					0.26
80.750	0.00	0.01	0.010	0					0.26
80.833	0.00	0.01	0.010	0					0.26
80.917	0.00	0.01	0.010	0					0.26
81.000	0.00	0.01	0.010	0					0.25

81.083	0.00	0.01	0.010	0					0.25
81.167	0.00	0.01	0.010	0					0.25
81.250	0.00	0.01	0.010	0					0.25
81.333	0.00	0.01	0.010	0					0.25
81.417	0.00	0.01	0.010	0					0.25
81.500	0.00	0.01	0.010	0					0.25
81.583	0.00	0.01	0.010	0					0.24
81.667	0.00	0.01	0.009	0					0.24
81.750	0.00	0.01	0.009	0					0.24
81.833	0.00	0.01	0.009	0					0.24
81.917	0.00	0.01	0.009	0					0.24
82.000	0.00	0.01	0.009	0					0.24
82.083	0.00	0.01	0.009	0					0.24
82.167	0.00	0.01	0.009	0					0.24
82.250	0.00	0.01	0.009	0					0.23
82.333	0.00	0.01	0.009	0					0.23
82.417	0.00	0.01	0.009	0					0.23
82.500	0.00	0.01	0.009	0					0.23
82.583	0.00	0.01	0.009	0					0.23
82.667	0.00	0.01	0.009	0					0.23
82.750	0.00	0.01	0.009	0					0.23
82.833	0.00	0.01	0.009	0					0.23
82.917	0.00	0.01	0.009	0					0.23
83.000	0.00	0.01	0.008	0					0.22
83.083	0.00	0.01	0.008	0					0.22
83.167	0.00	0.01	0.008	0					0.22
83.250	0.00	0.01	0.008	0					0.22
83.333	0.00	0.01	0.008	0					0.22
83.417	0.00	0.01	0.008	0					0.22
83.500	0.00	0.01	0.008	0					0.22
83.583	0.00	0.01	0.008	0					0.22
83.667	0.00	0.01	0.008	0					0.21
83.750	0.00	0.01	0.008	0					0.21
83.833	0.00	0.01	0.008	0					0.21
83.917	0.00	0.01	0.008	0					0.21
84.000	0.00	0.01	0.008	0					0.21
84.083	0.00	0.01	0.008	0					0.21
84.167	0.00	0.01	0.008	0					0.21
84.250	0.00	0.01	0.008	0					0.21
84.333	0.00	0.01	0.008	0					0.21
84.417	0.00	0.01	0.007	0					0.20
84.500	0.00	0.01	0.007	0					0.20
84.583	0.00	0.01	0.007	0					0.20
84.667	0.00	0.01	0.007	0					0.20
84.750	0.00	0.01	0.007	0					0.20
84.833	0.00	0.01	0.007	0					0.20
84.917	0.00	0.01	0.007	0					0.20
85.000	0.00	0.01	0.007	0					0.20
85.083	0.00	0.01	0.007	0					0.20
85.167	0.00	0.01	0.007	0					0.19

85.250	0.00	0.01	0.007	0					0.19
85.333	0.00	0.01	0.007	0					0.19
85.417	0.00	0.01	0.007	0					0.19
85.500	0.00	0.01	0.007	0					0.19
85.583	0.00	0.01	0.007	0					0.19
85.667	0.00	0.01	0.007	0					0.19
85.750	0.00	0.01	0.007	0					0.19
85.833	0.00	0.01	0.006	0					0.19
85.917	0.00	0.01	0.006	0					0.18
86.000	0.00	0.01	0.006	0					0.18
86.083	0.00	0.01	0.006	0					0.18
86.167	0.00	0.01	0.006	0					0.18
86.250	0.00	0.01	0.006	0					0.18
86.333	0.00	0.01	0.006	0					0.18
86.417	0.00	0.01	0.006	0					0.18
86.500	0.00	0.01	0.006	0					0.18
86.583	0.00	0.01	0.006	0					0.18
86.667	0.00	0.01	0.006	0					0.18
86.750	0.00	0.01	0.006	0					0.17
86.833	0.00	0.01	0.006	0					0.17
86.917	0.00	0.01	0.006	0					0.17
87.000	0.00	0.01	0.006	0					0.17
87.083	0.00	0.01	0.006	0					0.17
87.167	0.00	0.01	0.006	0					0.17
87.250	0.00	0.01	0.006	0					0.17
87.333	0.00	0.01	0.005	0					0.17
87.417	0.00	0.01	0.005	0					0.17
87.500	0.00	0.01	0.005	0					0.16
87.583	0.00	0.01	0.005	0					0.16
87.667	0.00	0.01	0.005	0					0.16
87.750	0.00	0.01	0.005	0					0.16
87.833	0.00	0.01	0.005	0					0.16
87.917	0.00	0.01	0.005	0					0.16
88.000	0.00	0.01	0.005	0					0.16
88.083	0.00	0.01	0.005	0					0.16
88.167	0.00	0.01	0.005	0					0.16
88.250	0.00	0.01	0.005	0					0.16
88.333	0.00	0.01	0.005	0					0.16
88.417	0.00	0.01	0.005	0					0.15
88.500	0.00	0.01	0.005	0					0.15
88.583	0.00	0.01	0.005	0					0.15
88.667	0.00	0.01	0.005	0					0.15
88.750	0.00	0.01	0.005	0					0.15
88.833	0.00	0.01	0.005	0					0.15
88.917	0.00	0.01	0.005	0					0.15
89.000	0.00	0.01	0.004	0					0.15
89.083	0.00	0.01	0.004	0					0.15
89.167	0.00	0.01	0.004	0					0.15
89.250	0.00	0.01	0.004	0					0.14
89.333	0.00	0.01	0.004	0					0.14

89.417	0.00	0.01	0.004	0					0.14
89.500	0.00	0.01	0.004	0					0.14
89.583	0.00	0.01	0.004	0					0.14
89.667	0.00	0.01	0.004	0					0.14
89.750	0.00	0.01	0.004	0					0.14
89.833	0.00	0.01	0.004	0					0.14
89.917	0.00	0.01	0.004	0					0.14
90.000	0.00	0.01	0.004	0					0.14
90.083	0.00	0.01	0.004	0					0.14
90.167	0.00	0.01	0.004	0					0.13
90.250	0.00	0.01	0.004	0					0.13
90.333	0.00	0.01	0.004	0					0.13
90.417	0.00	0.01	0.004	0					0.13
90.500	0.00	0.01	0.004	0					0.13
90.583	0.00	0.01	0.004	0					0.13
90.667	0.00	0.01	0.004	0					0.13
90.750	0.00	0.01	0.003	0					0.13
90.833	0.00	0.01	0.003	0					0.13
90.917	0.00	0.01	0.003	0					0.13
91.000	0.00	0.01	0.003	0					0.13
91.083	0.00	0.01	0.003	0					0.12
91.167	0.00	0.01	0.003	0					0.12
91.250	0.00	0.01	0.003	0					0.12
91.333	0.00	0.01	0.003	0					0.12
91.417	0.00	0.01	0.003	0					0.12
91.500	0.00	0.01	0.003	0					0.12
91.583	0.00	0.01	0.003	0					0.12
91.667	0.00	0.01	0.003	0					0.12
91.750	0.00	0.01	0.003	0					0.12
91.833	0.00	0.01	0.003	0					0.12
91.917	0.00	0.01	0.003	0					0.12
92.000	0.00	0.01	0.003	0					0.12
92.083	0.00	0.01	0.003	0					0.11
92.167	0.00	0.01	0.003	0					0.11
92.250	0.00	0.01	0.003	0					0.11
92.333	0.00	0.01	0.003	0					0.11
92.417	0.00	0.01	0.003	0					0.11
92.500	0.00	0.01	0.003	0					0.11
92.583	0.00	0.01	0.002	0					0.11
92.667	0.00	0.01	0.002	0					0.11
92.750	0.00	0.01	0.002	0					0.11
92.833	0.00	0.01	0.002	0					0.11
92.917	0.00	0.01	0.002	0					0.11
93.000	0.00	0.01	0.002	0					0.11
93.083	0.00	0.01	0.002	0					0.10
93.167	0.00	0.01	0.002	0					0.10
93.250	0.00	0.01	0.002	0					0.10
93.333	0.00	0.01	0.002	0					0.10
93.417	0.00	0.01	0.002	0					0.10
93.500	0.00	0.01	0.002	0					0.10

93.583	0.00	0.01	0.002	0					0.10
93.667	0.00	0.01	0.002	0					0.10
93.750	0.00	0.01	0.002	0					0.10
93.833	0.00	0.01	0.002	0					0.09
93.917	0.00	0.01	0.002	0					0.09
94.000	0.00	0.01	0.002	0					0.09
94.083	0.00	0.01	0.002	0					0.09
94.167	0.00	0.01	0.002	0					0.09
94.250	0.00	0.01	0.002	0					0.08
94.333	0.00	0.00	0.002	0					0.08
94.417	0.00	0.00	0.002	0					0.08
94.500	0.00	0.00	0.002	0					0.08
94.583	0.00	0.00	0.002	0					0.08
94.667	0.00	0.00	0.002	0					0.08
94.750	0.00	0.00	0.001	0					0.07
94.833	0.00	0.00	0.001	0					0.07
94.917	0.00	0.00	0.001	0					0.07
95.000	0.00	0.00	0.001	0					0.07
95.083	0.00	0.00	0.001	0					0.07
95.167	0.00	0.00	0.001	0					0.07
95.250	0.00	0.00	0.001	0					0.07
95.333	0.00	0.00	0.001	0					0.06
95.417	0.00	0.00	0.001	0					0.06
95.500	0.00	0.00	0.001	0					0.06
95.583	0.00	0.00	0.001	0					0.06
95.667	0.00	0.00	0.001	0					0.06
95.750	0.00	0.00	0.001	0					0.06
95.833	0.00	0.00	0.001	0					0.06
95.917	0.00	0.00	0.001	0					0.06
96.000	0.00	0.00	0.001	0					0.05
96.083	0.00	0.00	0.001	0					0.05
96.167	0.00	0.00	0.001	0					0.05
96.250	0.00	0.00	0.001	0					0.05
96.333	0.00	0.00	0.001	0					0.05
96.417	0.00	0.00	0.001	0					0.05
96.500	0.00	0.00	0.001	0					0.05
96.583	0.00	0.00	0.001	0					0.05
96.667	0.00	0.00	0.001	0					0.05
96.750	0.00	0.00	0.001	0					0.05
96.833	0.00	0.00	0.001	0					0.04
96.917	0.00	0.00	0.001	0					0.04
97.000	0.00	0.00	0.001	0					0.04
97.083	0.00	0.00	0.001	0					0.04
97.167	0.00	0.00	0.001	0					0.04
97.250	0.00	0.00	0.001	0					0.04
97.333	0.00	0.00	0.001	0					0.04
97.417	0.00	0.00	0.001	0					0.04
97.500	0.00	0.00	0.001	0					0.04
97.583	0.00	0.00	0.001	0					0.04
97.667	0.00	0.00	0.001	0					0.04

97.750	0.00	0.00	0.001	0					0.04
97.833	0.00	0.00	0.001	0					0.03
97.917	0.00	0.00	0.001	0					0.03
98.000	0.00	0.00	0.001	0					0.03
98.083	0.00	0.00	0.001	0					0.03
98.167	0.00	0.00	0.001	0					0.03
98.250	0.00	0.00	0.001	0					0.03
98.333	0.00	0.00	0.001	0					0.03
98.417	0.00	0.00	0.001	0					0.03
98.500	0.00	0.00	0.001	0					0.03
98.583	0.00	0.00	0.001	0					0.03
98.667	0.00	0.00	0.001	0					0.03
98.750	0.00	0.00	0.001	0					0.03
98.833	0.00	0.00	0.001	0					0.03
98.917	0.00	0.00	0.001	0					0.03
99.000	0.00	0.00	0.001	0					0.03
99.083	0.00	0.00	0.001	0					0.03
99.167	0.00	0.00	0.000	0					0.02
99.250	0.00	0.00	0.000	0					0.02
99.333	0.00	0.00	0.000	0					0.02
99.417	0.00	0.00	0.000	0					0.02
99.500	0.00	0.00	0.000	0					0.02
99.583	0.00	0.00	0.000	0					0.02
99.667	0.00	0.00	0.000	0					0.02
99.750	0.00	0.00	0.000	0					0.02
99.833	0.00	0.00	0.000	0					0.02
99.917	0.00	0.00	0.000	0					0.02
100.000	0.00	0.00	0.000	0					0.02
100.083	0.00	0.00	0.000	0					0.02
100.167	0.00	0.00	0.000	0					0.02
100.250	0.00	0.00	0.000	0					0.02
100.333	0.00	0.00	0.000	0					0.02
100.417	0.00	0.00	0.000	0					0.02
100.500	0.00	0.00	0.000	0					0.02
100.583	0.00	0.00	0.000	0					0.02
100.667	0.00	0.00	0.000	0					0.02
100.750	0.00	0.00	0.000	0					0.02
100.833	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1210

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.046 (CFS)

Total volume = 0.211 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
5 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da215.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.602 (CFS)
Total volume = 0.134 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.2	2.30	3.45	4.60	Depth (Ft.)
0.083	0.41	0.00	0.001	O I					0.07
0.167	0.70	0.01	0.005	O I					0.16
0.250	0.83	0.01	0.010	O I					0.26
0.333	0.88	0.01	0.016	O I					0.37
0.417	0.97	0.02	0.022	O I					0.49
0.500	1.09	0.02	0.029	O I					0.63
0.583	1.23	0.02	0.037	O I					0.78
0.667	1.44	0.03	0.046	O I	I				0.95
0.750	2.04	0.03	0.058	O I	I				1.11
0.833	4.60	0.03	0.081	O I				I	1.40
0.917	3.32	0.04	0.108	O I			I		1.74
1.000	1.41	0.04	0.124	O I	I				1.94
1.083	0.43	0.04	0.130	O I					2.01
1.167	0.06	0.04	0.131	O I					2.02
1.250	0.00	0.04	0.131	O I					2.02
1.333	0.00	0.04	0.131	O I					2.02
1.417	0.00	0.04	0.131	O I					2.02
1.500	0.00	0.04	0.130	O I					2.02
1.583	0.00	0.04	0.130	O I					2.01
1.667	0.00	0.04	0.130	O I					2.01
1.750	0.00	0.04	0.130	O I					2.01
1.833	0.00	0.04	0.129	O I					2.00

1.917	0.00	0.04	0.129	0					2.00
2.000	0.00	0.04	0.129	0					2.00
2.083	0.00	0.04	0.129	0					1.99
2.167	0.00	0.04	0.128	0					1.99
2.250	0.00	0.04	0.128	0					1.99
2.333	0.00	0.04	0.128	0					1.98
2.417	0.00	0.04	0.128	0					1.98
2.500	0.00	0.04	0.127	0					1.98
2.583	0.00	0.04	0.127	0					1.97
2.667	0.00	0.04	0.127	0					1.97
2.750	0.00	0.04	0.126	0					1.97
2.833	0.00	0.04	0.126	0					1.96
2.917	0.00	0.04	0.126	0					1.96
3.000	0.00	0.04	0.126	0					1.96
3.083	0.00	0.04	0.125	0					1.95
3.167	0.00	0.04	0.125	0					1.95
3.250	0.00	0.04	0.125	0					1.95
3.333	0.00	0.04	0.125	0					1.94
3.417	0.00	0.04	0.124	0					1.94
3.500	0.00	0.04	0.124	0					1.94
3.583	0.00	0.04	0.124	0					1.93
3.667	0.00	0.04	0.124	0					1.93
3.750	0.00	0.04	0.123	0					1.93
3.833	0.00	0.04	0.123	0					1.93
3.917	0.00	0.04	0.123	0					1.92
4.000	0.00	0.04	0.122	0					1.92
4.083	0.00	0.04	0.122	0					1.92
4.167	0.00	0.04	0.122	0					1.91
4.250	0.00	0.04	0.122	0					1.91
4.333	0.00	0.04	0.121	0					1.91
4.417	0.00	0.04	0.121	0					1.90
4.500	0.00	0.04	0.121	0					1.90
4.583	0.00	0.04	0.121	0					1.90
4.667	0.00	0.04	0.120	0					1.89
4.750	0.00	0.04	0.120	0					1.89
4.833	0.00	0.04	0.120	0					1.89
4.917	0.00	0.04	0.120	0					1.88
5.000	0.00	0.04	0.119	0					1.88
5.083	0.00	0.04	0.119	0					1.88
5.167	0.00	0.04	0.119	0					1.87
5.250	0.00	0.04	0.119	0					1.87
5.333	0.00	0.04	0.118	0					1.87
5.417	0.00	0.04	0.118	0					1.86
5.500	0.00	0.04	0.118	0					1.86
5.583	0.00	0.04	0.118	0					1.86
5.667	0.00	0.04	0.117	0					1.85
5.750	0.00	0.04	0.117	0					1.85
5.833	0.00	0.04	0.117	0					1.85
5.917	0.00	0.04	0.117	0					1.84
6.000	0.00	0.04	0.116	0					1.84

6.083	0.00	0.04	0.116	0					1.84
6.167	0.00	0.04	0.116	0					1.83
6.250	0.00	0.04	0.115	0					1.83
6.333	0.00	0.04	0.115	0					1.83
6.417	0.00	0.04	0.115	0					1.82
6.500	0.00	0.04	0.115	0					1.82
6.583	0.00	0.04	0.114	0					1.82
6.667	0.00	0.04	0.114	0					1.82
6.750	0.00	0.04	0.114	0					1.81
6.833	0.00	0.04	0.114	0					1.81
6.917	0.00	0.04	0.113	0					1.81
7.000	0.00	0.04	0.113	0					1.80
7.083	0.00	0.04	0.113	0					1.80
7.167	0.00	0.04	0.113	0					1.80
7.250	0.00	0.04	0.112	0					1.79
7.333	0.00	0.04	0.112	0					1.79
7.417	0.00	0.04	0.112	0					1.79
7.500	0.00	0.04	0.112	0					1.78
7.583	0.00	0.04	0.111	0					1.78
7.667	0.00	0.04	0.111	0					1.78
7.750	0.00	0.04	0.111	0					1.77
7.833	0.00	0.04	0.111	0					1.77
7.917	0.00	0.04	0.110	0					1.77
8.000	0.00	0.04	0.110	0					1.76
8.083	0.00	0.04	0.110	0					1.76
8.167	0.00	0.04	0.110	0					1.76
8.250	0.00	0.04	0.109	0					1.76
8.333	0.00	0.04	0.109	0					1.75
8.417	0.00	0.04	0.109	0					1.75
8.500	0.00	0.04	0.109	0					1.75
8.583	0.00	0.04	0.108	0					1.74
8.667	0.00	0.04	0.108	0					1.74
8.750	0.00	0.04	0.108	0					1.74
8.833	0.00	0.04	0.108	0					1.73
8.917	0.00	0.04	0.107	0					1.73
9.000	0.00	0.04	0.107	0					1.73
9.083	0.00	0.04	0.107	0					1.72
9.167	0.00	0.04	0.107	0					1.72
9.250	0.00	0.04	0.106	0					1.72
9.333	0.00	0.04	0.106	0					1.71
9.417	0.00	0.04	0.106	0					1.71
9.500	0.00	0.04	0.106	0					1.71
9.583	0.00	0.04	0.105	0					1.71
9.667	0.00	0.04	0.105	0					1.70
9.750	0.00	0.04	0.105	0					1.70
9.833	0.00	0.04	0.105	0					1.70
9.917	0.00	0.04	0.104	0					1.69
10.000	0.00	0.04	0.104	0					1.69
10.083	0.00	0.04	0.104	0					1.69
10.167	0.00	0.04	0.104	0					1.68

10.250	0.00	0.04	0.103	0					1.68
10.333	0.00	0.04	0.103	0					1.68
10.417	0.00	0.04	0.103	0					1.67
10.500	0.00	0.04	0.103	0					1.67
10.583	0.00	0.04	0.103	0					1.67
10.667	0.00	0.04	0.102	0					1.67
10.750	0.00	0.04	0.102	0					1.66
10.833	0.00	0.04	0.102	0					1.66
10.917	0.00	0.04	0.102	0					1.66
11.000	0.00	0.04	0.101	0					1.65
11.083	0.00	0.04	0.101	0					1.65
11.167	0.00	0.04	0.101	0					1.65
11.250	0.00	0.04	0.101	0					1.64
11.333	0.00	0.04	0.100	0					1.64
11.417	0.00	0.04	0.100	0					1.64
11.500	0.00	0.03	0.100	0					1.64
11.583	0.00	0.03	0.100	0					1.63
11.667	0.00	0.03	0.099	0					1.63
11.750	0.00	0.03	0.099	0					1.63
11.833	0.00	0.03	0.099	0					1.62
11.917	0.00	0.03	0.099	0					1.62
12.000	0.00	0.03	0.098	0					1.62
12.083	0.00	0.03	0.098	0					1.61
12.167	0.00	0.03	0.098	0					1.61
12.250	0.00	0.03	0.098	0					1.61
12.333	0.00	0.03	0.097	0					1.61
12.417	0.00	0.03	0.097	0					1.60
12.500	0.00	0.03	0.097	0					1.60
12.583	0.00	0.03	0.097	0					1.60
12.667	0.00	0.03	0.096	0					1.59
12.750	0.00	0.03	0.096	0					1.59
12.833	0.00	0.03	0.096	0					1.59
12.917	0.00	0.03	0.096	0					1.58
13.000	0.00	0.03	0.096	0					1.58
13.083	0.00	0.03	0.095	0					1.58
13.167	0.00	0.03	0.095	0					1.58
13.250	0.00	0.03	0.095	0					1.57
13.333	0.00	0.03	0.095	0					1.57
13.417	0.00	0.03	0.094	0					1.57
13.500	0.00	0.03	0.094	0					1.56
13.583	0.00	0.03	0.094	0					1.56
13.667	0.00	0.03	0.094	0					1.56
13.750	0.00	0.03	0.093	0					1.56
13.833	0.00	0.03	0.093	0					1.55
13.917	0.00	0.03	0.093	0					1.55
14.000	0.00	0.03	0.093	0					1.55
14.083	0.00	0.03	0.092	0					1.54
14.167	0.00	0.03	0.092	0					1.54
14.250	0.00	0.03	0.092	0					1.54
14.333	0.00	0.03	0.092	0					1.53

14.417	0.00	0.03	0.092	0					1.53
14.500	0.00	0.03	0.091	0					1.53
14.583	0.00	0.03	0.091	0					1.53
14.667	0.00	0.03	0.091	0					1.52
14.750	0.00	0.03	0.091	0					1.52
14.833	0.00	0.03	0.090	0					1.52
14.917	0.00	0.03	0.090	0					1.51
15.000	0.00	0.03	0.090	0					1.51
15.083	0.00	0.03	0.090	0					1.51
15.167	0.00	0.03	0.089	0					1.51
15.250	0.00	0.03	0.089	0					1.50
15.333	0.00	0.03	0.089	0					1.50
15.417	0.00	0.03	0.089	0					1.50
15.500	0.00	0.03	0.089	0					1.49
15.583	0.00	0.03	0.088	0					1.49
15.667	0.00	0.03	0.088	0					1.49
15.750	0.00	0.03	0.088	0					1.49
15.833	0.00	0.03	0.088	0					1.48
15.917	0.00	0.03	0.087	0					1.48
16.000	0.00	0.03	0.087	0					1.48
16.083	0.00	0.03	0.087	0					1.47
16.167	0.00	0.03	0.087	0					1.47
16.250	0.00	0.03	0.086	0					1.47
16.333	0.00	0.03	0.086	0					1.47
16.417	0.00	0.03	0.086	0					1.46
16.500	0.00	0.03	0.086	0					1.46
16.583	0.00	0.03	0.086	0					1.46
16.667	0.00	0.03	0.085	0					1.45
16.750	0.00	0.03	0.085	0					1.45
16.833	0.00	0.03	0.085	0					1.45
16.917	0.00	0.03	0.085	0					1.45
17.000	0.00	0.03	0.084	0					1.44
17.083	0.00	0.03	0.084	0					1.44
17.167	0.00	0.03	0.084	0					1.44
17.250	0.00	0.03	0.084	0					1.43
17.333	0.00	0.03	0.084	0					1.43
17.417	0.00	0.03	0.083	0					1.43
17.500	0.00	0.03	0.083	0					1.43
17.583	0.00	0.03	0.083	0					1.42
17.667	0.00	0.03	0.083	0					1.42
17.750	0.00	0.03	0.082	0					1.42
17.833	0.00	0.03	0.082	0					1.41
17.917	0.00	0.03	0.082	0					1.41
18.000	0.00	0.03	0.082	0					1.41
18.083	0.00	0.03	0.081	0					1.41
18.167	0.00	0.03	0.081	0					1.40
18.250	0.00	0.03	0.081	0					1.40
18.333	0.00	0.03	0.081	0					1.40
18.417	0.00	0.03	0.081	0					1.40
18.500	0.00	0.03	0.080	0					1.39

18.583	0.00	0.03	0.080	0					1.39
18.667	0.00	0.03	0.080	0					1.39
18.750	0.00	0.03	0.080	0					1.38
18.833	0.00	0.03	0.079	0					1.38
18.917	0.00	0.03	0.079	0					1.38
19.000	0.00	0.03	0.079	0					1.38
19.083	0.00	0.03	0.079	0					1.37
19.167	0.00	0.03	0.079	0					1.37
19.250	0.00	0.03	0.078	0					1.37
19.333	0.00	0.03	0.078	0					1.36
19.417	0.00	0.03	0.078	0					1.36
19.500	0.00	0.03	0.078	0					1.36
19.583	0.00	0.03	0.078	0					1.36
19.667	0.00	0.03	0.077	0					1.35
19.750	0.00	0.03	0.077	0					1.35
19.833	0.00	0.03	0.077	0					1.35
19.917	0.00	0.03	0.077	0					1.35
20.000	0.00	0.03	0.076	0					1.34
20.083	0.00	0.03	0.076	0					1.34
20.167	0.00	0.03	0.076	0					1.34
20.250	0.00	0.03	0.076	0					1.33
20.333	0.00	0.03	0.076	0					1.33
20.417	0.00	0.03	0.075	0					1.33
20.500	0.00	0.03	0.075	0					1.33
20.583	0.00	0.03	0.075	0					1.32
20.667	0.00	0.03	0.075	0					1.32
20.750	0.00	0.03	0.074	0					1.32
20.833	0.00	0.03	0.074	0					1.32
20.917	0.00	0.03	0.074	0					1.31
21.000	0.00	0.03	0.074	0					1.31
21.083	0.00	0.03	0.074	0					1.31
21.167	0.00	0.03	0.073	0					1.30
21.250	0.00	0.03	0.073	0					1.30
21.333	0.00	0.03	0.073	0					1.30
21.417	0.00	0.03	0.073	0					1.30
21.500	0.00	0.03	0.073	0					1.29
21.583	0.00	0.03	0.072	0					1.29
21.667	0.00	0.03	0.072	0					1.29
21.750	0.00	0.03	0.072	0					1.29
21.833	0.00	0.03	0.072	0					1.28
21.917	0.00	0.03	0.071	0					1.28
22.000	0.00	0.03	0.071	0					1.28
22.083	0.00	0.03	0.071	0					1.28
22.167	0.00	0.03	0.071	0					1.27
22.250	0.00	0.03	0.071	0					1.27
22.333	0.00	0.03	0.070	0					1.27
22.417	0.00	0.03	0.070	0					1.26
22.500	0.00	0.03	0.070	0					1.26
22.583	0.00	0.03	0.070	0					1.26
22.667	0.00	0.03	0.070	0					1.26

22.750	0.00	0.03	0.069	0					1.25
22.833	0.00	0.03	0.069	0					1.25
22.917	0.00	0.03	0.069	0					1.25
23.000	0.00	0.03	0.069	0					1.25
23.083	0.00	0.03	0.068	0					1.24
23.167	0.00	0.03	0.068	0					1.24
23.250	0.00	0.03	0.068	0					1.24
23.333	0.00	0.03	0.068	0					1.24
23.417	0.00	0.03	0.068	0					1.23
23.500	0.00	0.03	0.067	0					1.23
23.583	0.00	0.03	0.067	0					1.23
23.667	0.00	0.03	0.067	0					1.22
23.750	0.00	0.03	0.067	0					1.22
23.833	0.00	0.03	0.067	0					1.22
23.917	0.00	0.03	0.066	0					1.22
24.000	0.00	0.03	0.066	0					1.21
24.083	0.00	0.03	0.066	0					1.21
24.167	0.00	0.03	0.066	0					1.21
24.250	0.00	0.03	0.066	0					1.21
24.333	0.00	0.03	0.065	0					1.20
24.417	0.00	0.03	0.065	0					1.20
24.500	0.00	0.03	0.065	0					1.20
24.583	0.00	0.03	0.065	0					1.20
24.667	0.00	0.03	0.064	0					1.19
24.750	0.00	0.03	0.064	0					1.19
24.833	0.00	0.03	0.064	0					1.19
24.917	0.00	0.03	0.064	0					1.19
25.000	0.00	0.03	0.064	0					1.18
25.083	0.00	0.03	0.063	0					1.18
25.167	0.00	0.03	0.063	0					1.18
25.250	0.00	0.03	0.063	0					1.18
25.333	0.00	0.03	0.063	0					1.17
25.417	0.00	0.03	0.063	0					1.17
25.500	0.00	0.03	0.062	0					1.17
25.583	0.00	0.03	0.062	0					1.17
25.667	0.00	0.03	0.062	0					1.16
25.750	0.00	0.03	0.062	0					1.16
25.833	0.00	0.03	0.062	0					1.16
25.917	0.00	0.03	0.061	0					1.15
26.000	0.00	0.03	0.061	0					1.15
26.083	0.00	0.03	0.061	0					1.15
26.167	0.00	0.03	0.061	0					1.15
26.250	0.00	0.03	0.061	0					1.14
26.333	0.00	0.03	0.060	0					1.14
26.417	0.00	0.03	0.060	0					1.14
26.500	0.00	0.03	0.060	0					1.14
26.583	0.00	0.03	0.060	0					1.13
26.667	0.00	0.03	0.060	0					1.13
26.750	0.00	0.03	0.059	0					1.13
26.833	0.00	0.03	0.059	0					1.13

26.917	0.00	0.03	0.059	0					1.12
27.000	0.00	0.03	0.059	0					1.12
27.083	0.00	0.03	0.059	0					1.12
27.167	0.00	0.03	0.058	0					1.12
27.250	0.00	0.03	0.058	0					1.11
27.333	0.00	0.03	0.058	0					1.11
27.417	0.00	0.03	0.058	0					1.11
27.500	0.00	0.03	0.058	0					1.11
27.583	0.00	0.03	0.057	0					1.10
27.667	0.00	0.03	0.057	0					1.10
27.750	0.00	0.03	0.057	0					1.10
27.833	0.00	0.03	0.057	0					1.10
27.917	0.00	0.03	0.057	0					1.09
28.000	0.00	0.03	0.056	0					1.09
28.083	0.00	0.03	0.056	0					1.09
28.167	0.00	0.03	0.056	0					1.09
28.250	0.00	0.03	0.056	0					1.08
28.333	0.00	0.03	0.056	0					1.08
28.417	0.00	0.03	0.055	0					1.08
28.500	0.00	0.03	0.055	0					1.08
28.583	0.00	0.03	0.055	0					1.07
28.667	0.00	0.03	0.055	0					1.07
28.750	0.00	0.03	0.055	0					1.07
28.833	0.00	0.03	0.054	0					1.07
28.917	0.00	0.03	0.054	0					1.06
29.000	0.00	0.03	0.054	0					1.06
29.083	0.00	0.03	0.054	0					1.06
29.167	0.00	0.03	0.054	0					1.06
29.250	0.00	0.03	0.053	0					1.05
29.333	0.00	0.03	0.053	0					1.05
29.417	0.00	0.03	0.053	0					1.05
29.500	0.00	0.03	0.053	0					1.05
29.583	0.00	0.03	0.053	0					1.04
29.667	0.00	0.03	0.052	0					1.04
29.750	0.00	0.03	0.052	0					1.04
29.833	0.00	0.03	0.052	0					1.04
29.917	0.00	0.03	0.052	0					1.03
30.000	0.00	0.03	0.052	0					1.03
30.083	0.00	0.03	0.051	0					1.03
30.167	0.00	0.03	0.051	0					1.03
30.250	0.00	0.03	0.051	0					1.03
30.333	0.00	0.03	0.051	0					1.02
30.417	0.00	0.03	0.051	0					1.02
30.500	0.00	0.03	0.050	0					1.02
30.583	0.00	0.03	0.050	0					1.02
30.667	0.00	0.03	0.050	0					1.01
30.750	0.00	0.03	0.050	0					1.01
30.833	0.00	0.03	0.050	0					1.01
30.917	0.00	0.03	0.049	0					1.01
31.000	0.00	0.03	0.049	0					1.00

31.083	0.00	0.03	0.049	0					1.00
31.167	0.00	0.03	0.049	0					1.00
31.250	0.00	0.03	0.049	0					0.99
31.333	0.00	0.03	0.048	0					0.99
31.417	0.00	0.03	0.048	0					0.99
31.500	0.00	0.03	0.048	0					0.98
31.583	0.00	0.03	0.048	0					0.98
31.667	0.00	0.03	0.048	0					0.98
31.750	0.00	0.03	0.048	0					0.97
31.833	0.00	0.03	0.047	0					0.97
31.917	0.00	0.03	0.047	0					0.96
32.000	0.00	0.03	0.047	0					0.96
32.083	0.00	0.03	0.047	0					0.96
32.167	0.00	0.03	0.047	0					0.95
32.250	0.00	0.03	0.046	0					0.95
32.333	0.00	0.03	0.046	0					0.95
32.417	0.00	0.03	0.046	0					0.94
32.500	0.00	0.03	0.046	0					0.94
32.583	0.00	0.03	0.046	0					0.94
32.667	0.00	0.03	0.046	0					0.93
32.750	0.00	0.03	0.045	0					0.93
32.833	0.00	0.03	0.045	0					0.93
32.917	0.00	0.03	0.045	0					0.92
33.000	0.00	0.03	0.045	0					0.92
33.083	0.00	0.03	0.045	0					0.92
33.167	0.00	0.03	0.044	0					0.91
33.250	0.00	0.03	0.044	0					0.91
33.333	0.00	0.03	0.044	0					0.91
33.417	0.00	0.03	0.044	0					0.90
33.500	0.00	0.03	0.044	0					0.90
33.583	0.00	0.03	0.044	0					0.90
33.667	0.00	0.03	0.043	0					0.89
33.750	0.00	0.03	0.043	0					0.89
33.833	0.00	0.03	0.043	0					0.89
33.917	0.00	0.03	0.043	0					0.88
34.000	0.00	0.03	0.043	0					0.88
34.083	0.00	0.02	0.043	0					0.88
34.167	0.00	0.02	0.042	0					0.87
34.250	0.00	0.02	0.042	0					0.87
34.333	0.00	0.02	0.042	0					0.87
34.417	0.00	0.02	0.042	0					0.86
34.500	0.00	0.02	0.042	0					0.86
34.583	0.00	0.02	0.041	0					0.86
34.667	0.00	0.02	0.041	0					0.85
34.750	0.00	0.02	0.041	0					0.85
34.833	0.00	0.02	0.041	0					0.85
34.917	0.00	0.02	0.041	0					0.84
35.000	0.00	0.02	0.041	0					0.84
35.083	0.00	0.02	0.040	0					0.84
35.167	0.00	0.02	0.040	0					0.83

35.250	0.00	0.02	0.040	0					0.83
35.333	0.00	0.02	0.040	0					0.83
35.417	0.00	0.02	0.040	0					0.82
35.500	0.00	0.02	0.040	0					0.82
35.583	0.00	0.02	0.039	0					0.82
35.667	0.00	0.02	0.039	0					0.81
35.750	0.00	0.02	0.039	0					0.81
35.833	0.00	0.02	0.039	0					0.81
35.917	0.00	0.02	0.039	0					0.81
36.000	0.00	0.02	0.039	0					0.80
36.083	0.00	0.02	0.039	0					0.80
36.167	0.00	0.02	0.038	0					0.80
36.250	0.00	0.02	0.038	0					0.79
36.333	0.00	0.02	0.038	0					0.79
36.417	0.00	0.02	0.038	0					0.79
36.500	0.00	0.02	0.038	0					0.78
36.583	0.00	0.02	0.038	0					0.78
36.667	0.00	0.02	0.037	0					0.78
36.750	0.00	0.02	0.037	0					0.78
36.833	0.00	0.02	0.037	0					0.77
36.917	0.00	0.02	0.037	0					0.77
37.000	0.00	0.02	0.037	0					0.77
37.083	0.00	0.02	0.037	0					0.76
37.167	0.00	0.02	0.037	0					0.76
37.250	0.00	0.02	0.036	0					0.76
37.333	0.00	0.02	0.036	0					0.75
37.417	0.00	0.02	0.036	0					0.75
37.500	0.00	0.02	0.036	0					0.75
37.583	0.00	0.02	0.036	0					0.75
37.667	0.00	0.02	0.036	0					0.74
37.750	0.00	0.02	0.035	0					0.74
37.833	0.00	0.02	0.035	0					0.74
37.917	0.00	0.02	0.035	0					0.73
38.000	0.00	0.02	0.035	0					0.73
38.083	0.00	0.02	0.035	0					0.73
38.167	0.00	0.02	0.035	0					0.73
38.250	0.00	0.02	0.035	0					0.72
38.333	0.00	0.02	0.034	0					0.72
38.417	0.00	0.02	0.034	0					0.72
38.500	0.00	0.02	0.034	0					0.72
38.583	0.00	0.02	0.034	0					0.71
38.667	0.00	0.02	0.034	0					0.71
38.750	0.00	0.02	0.034	0					0.71
38.833	0.00	0.02	0.034	0					0.70
38.917	0.00	0.02	0.033	0					0.70
39.000	0.00	0.02	0.033	0					0.70
39.083	0.00	0.02	0.033	0					0.70
39.167	0.00	0.02	0.033	0					0.69
39.250	0.00	0.02	0.033	0					0.69
39.333	0.00	0.02	0.033	0					0.69

39.417	0.00	0.02	0.033	0					0.69
39.500	0.00	0.02	0.032	0					0.68
39.583	0.00	0.02	0.032	0					0.68
39.667	0.00	0.02	0.032	0					0.68
39.750	0.00	0.02	0.032	0					0.67
39.833	0.00	0.02	0.032	0					0.67
39.917	0.00	0.02	0.032	0					0.67
40.000	0.00	0.02	0.032	0					0.67
40.083	0.00	0.02	0.031	0					0.66
40.167	0.00	0.02	0.031	0					0.66
40.250	0.00	0.02	0.031	0					0.66
40.333	0.00	0.02	0.031	0					0.66
40.417	0.00	0.02	0.031	0					0.65
40.500	0.00	0.02	0.031	0					0.65
40.583	0.00	0.02	0.031	0					0.65
40.667	0.00	0.02	0.031	0					0.65
40.750	0.00	0.02	0.030	0					0.64
40.833	0.00	0.02	0.030	0					0.64
40.917	0.00	0.02	0.030	0					0.64
41.000	0.00	0.02	0.030	0					0.64
41.083	0.00	0.02	0.030	0					0.63
41.167	0.00	0.02	0.030	0					0.63
41.250	0.00	0.02	0.030	0					0.63
41.333	0.00	0.02	0.029	0					0.63
41.417	0.00	0.02	0.029	0					0.62
41.500	0.00	0.02	0.029	0					0.62
41.583	0.00	0.02	0.029	0					0.62
41.667	0.00	0.02	0.029	0					0.62
41.750	0.00	0.02	0.029	0					0.61
41.833	0.00	0.02	0.029	0					0.61
41.917	0.00	0.02	0.029	0					0.61
42.000	0.00	0.02	0.028	0					0.61
42.083	0.00	0.02	0.028	0					0.60
42.167	0.00	0.02	0.028	0					0.60
42.250	0.00	0.02	0.028	0					0.60
42.333	0.00	0.02	0.028	0					0.60
42.417	0.00	0.02	0.028	0					0.59
42.500	0.00	0.02	0.028	0					0.59
42.583	0.00	0.02	0.028	0					0.59
42.667	0.00	0.02	0.027	0					0.59
42.750	0.00	0.02	0.027	0					0.58
42.833	0.00	0.02	0.027	0					0.58
42.917	0.00	0.02	0.027	0					0.58
43.000	0.00	0.02	0.027	0					0.58
43.083	0.00	0.02	0.027	0					0.58
43.167	0.00	0.02	0.027	0					0.57
43.250	0.00	0.02	0.027	0					0.57
43.333	0.00	0.02	0.026	0					0.57
43.417	0.00	0.02	0.026	0					0.57
43.500	0.00	0.02	0.026	0					0.56

43.583	0.00	0.02	0.026	0					0.56
43.667	0.00	0.02	0.026	0					0.56
43.750	0.00	0.02	0.026	0					0.56
43.833	0.00	0.02	0.026	0					0.55
43.917	0.00	0.02	0.026	0					0.55
44.000	0.00	0.02	0.026	0					0.55
44.083	0.00	0.02	0.025	0					0.55
44.167	0.00	0.02	0.025	0					0.55
44.250	0.00	0.02	0.025	0					0.54
44.333	0.00	0.02	0.025	0					0.54
44.417	0.00	0.02	0.025	0					0.54
44.500	0.00	0.02	0.025	0					0.54
44.583	0.00	0.02	0.025	0					0.53
44.667	0.00	0.02	0.025	0					0.53
44.750	0.00	0.02	0.024	0					0.53
44.833	0.00	0.02	0.024	0					0.53
44.917	0.00	0.02	0.024	0					0.53
45.000	0.00	0.02	0.024	0					0.52
45.083	0.00	0.02	0.024	0					0.52
45.167	0.00	0.02	0.024	0					0.52
45.250	0.00	0.02	0.024	0					0.52
45.333	0.00	0.02	0.024	0					0.52
45.417	0.00	0.02	0.024	0					0.51
45.500	0.00	0.02	0.023	0					0.51
45.583	0.00	0.02	0.023	0					0.51
45.667	0.00	0.02	0.023	0					0.51
45.750	0.00	0.02	0.023	0					0.50
45.833	0.00	0.02	0.023	0					0.50
45.917	0.00	0.02	0.023	0					0.50
46.000	0.00	0.02	0.023	0					0.50
46.083	0.00	0.02	0.023	0					0.50
46.167	0.00	0.02	0.023	0					0.49
46.250	0.00	0.02	0.022	0					0.49
46.333	0.00	0.02	0.022	0					0.49
46.417	0.00	0.02	0.022	0					0.49
46.500	0.00	0.02	0.022	0					0.49
46.583	0.00	0.02	0.022	0					0.48
46.667	0.00	0.02	0.022	0					0.48
46.750	0.00	0.02	0.022	0					0.48
46.833	0.00	0.02	0.022	0					0.48
46.917	0.00	0.02	0.022	0					0.48
47.000	0.00	0.02	0.022	0					0.47
47.083	0.00	0.02	0.021	0					0.47
47.167	0.00	0.02	0.021	0					0.47
47.250	0.00	0.01	0.021	0					0.47
47.333	0.00	0.01	0.021	0					0.47
47.417	0.00	0.01	0.021	0					0.46
47.500	0.00	0.01	0.021	0					0.46
47.583	0.00	0.01	0.021	0					0.46
47.667	0.00	0.01	0.021	0					0.46

47.750	0.00	0.01	0.021	0					0.46
47.833	0.00	0.01	0.021	0					0.45
47.917	0.00	0.01	0.020	0					0.45
48.000	0.00	0.01	0.020	0					0.45
48.083	0.00	0.01	0.020	0					0.45
48.167	0.00	0.01	0.020	0					0.45
48.250	0.00	0.01	0.020	0					0.44
48.333	0.00	0.01	0.020	0					0.44
48.417	0.00	0.01	0.020	0					0.44
48.500	0.00	0.01	0.020	0					0.44
48.583	0.00	0.01	0.020	0					0.44
48.667	0.00	0.01	0.020	0					0.44
48.750	0.00	0.01	0.019	0					0.43
48.833	0.00	0.01	0.019	0					0.43
48.917	0.00	0.01	0.019	0					0.43
49.000	0.00	0.01	0.019	0					0.43
49.083	0.00	0.01	0.019	0					0.43
49.167	0.00	0.01	0.019	0					0.42
49.250	0.00	0.01	0.019	0					0.42
49.333	0.00	0.01	0.019	0					0.42
49.417	0.00	0.01	0.019	0					0.42
49.500	0.00	0.01	0.019	0					0.42
49.583	0.00	0.01	0.018	0					0.42
49.667	0.00	0.01	0.018	0					0.41
49.750	0.00	0.01	0.018	0					0.41
49.833	0.00	0.01	0.018	0					0.41
49.917	0.00	0.01	0.018	0					0.41
50.000	0.00	0.01	0.018	0					0.41
50.083	0.00	0.01	0.018	0					0.40
50.167	0.00	0.01	0.018	0					0.40
50.250	0.00	0.01	0.018	0					0.40
50.333	0.00	0.01	0.018	0					0.40
50.417	0.00	0.01	0.018	0					0.40
50.500	0.00	0.01	0.017	0					0.40
50.583	0.00	0.01	0.017	0					0.39
50.667	0.00	0.01	0.017	0					0.39
50.750	0.00	0.01	0.017	0					0.39
50.833	0.00	0.01	0.017	0					0.39
50.917	0.00	0.01	0.017	0					0.39
51.000	0.00	0.01	0.017	0					0.39
51.083	0.00	0.01	0.017	0					0.38
51.167	0.00	0.01	0.017	0					0.38
51.250	0.00	0.01	0.017	0					0.38
51.333	0.00	0.01	0.017	0					0.38
51.417	0.00	0.01	0.016	0					0.38
51.500	0.00	0.01	0.016	0					0.38
51.583	0.00	0.01	0.016	0					0.37
51.667	0.00	0.01	0.016	0					0.37
51.750	0.00	0.01	0.016	0					0.37
51.833	0.00	0.01	0.016	0					0.37

51.917	0.00	0.01	0.016	0					0.37
52.000	0.00	0.01	0.016	0					0.37
52.083	0.00	0.01	0.016	0					0.36
52.167	0.00	0.01	0.016	0					0.36
52.250	0.00	0.01	0.016	0					0.36
52.333	0.00	0.01	0.016	0					0.36
52.417	0.00	0.01	0.015	0					0.36
52.500	0.00	0.01	0.015	0					0.36
52.583	0.00	0.01	0.015	0					0.35
52.667	0.00	0.01	0.015	0					0.35
52.750	0.00	0.01	0.015	0					0.35
52.833	0.00	0.01	0.015	0					0.35
52.917	0.00	0.01	0.015	0					0.35
53.000	0.00	0.01	0.015	0					0.35
53.083	0.00	0.01	0.015	0					0.34
53.167	0.00	0.01	0.015	0					0.34
53.250	0.00	0.01	0.015	0					0.34
53.333	0.00	0.01	0.015	0					0.34
53.417	0.00	0.01	0.014	0					0.34
53.500	0.00	0.01	0.014	0					0.34
53.583	0.00	0.01	0.014	0					0.33
53.667	0.00	0.01	0.014	0					0.33
53.750	0.00	0.01	0.014	0					0.33
53.833	0.00	0.01	0.014	0					0.33
53.917	0.00	0.01	0.014	0					0.33
54.000	0.00	0.01	0.014	0					0.33
54.083	0.00	0.01	0.014	0					0.33
54.167	0.00	0.01	0.014	0					0.32
54.250	0.00	0.01	0.014	0					0.32
54.333	0.00	0.01	0.014	0					0.32
54.417	0.00	0.01	0.013	0					0.32
54.500	0.00	0.01	0.013	0					0.32
54.583	0.00	0.01	0.013	0					0.32
54.667	0.00	0.01	0.013	0					0.32
54.750	0.00	0.01	0.013	0					0.31
54.833	0.00	0.01	0.013	0					0.31
54.917	0.00	0.01	0.013	0					0.31
55.000	0.00	0.01	0.013	0					0.31
55.083	0.00	0.01	0.013	0					0.31
55.167	0.00	0.01	0.013	0					0.31
55.250	0.00	0.01	0.013	0					0.30
55.333	0.00	0.01	0.013	0					0.30
55.417	0.00	0.01	0.013	0					0.30
55.500	0.00	0.01	0.012	0					0.30
55.583	0.00	0.01	0.012	0					0.30
55.667	0.00	0.01	0.012	0					0.30
55.750	0.00	0.01	0.012	0					0.30
55.833	0.00	0.01	0.012	0					0.29
55.917	0.00	0.01	0.012	0					0.29
56.000	0.00	0.01	0.012	0					0.29

56.083	0.00	0.01	0.012	0					0.29
56.167	0.00	0.01	0.012	0					0.29
56.250	0.00	0.01	0.012	0					0.29
56.333	0.00	0.01	0.012	0					0.29
56.417	0.00	0.01	0.012	0					0.28
56.500	0.00	0.01	0.012	0					0.28
56.583	0.00	0.01	0.012	0					0.28
56.667	0.00	0.01	0.011	0					0.28
56.750	0.00	0.01	0.011	0					0.28
56.833	0.00	0.01	0.011	0					0.28
56.917	0.00	0.01	0.011	0					0.28
57.000	0.00	0.01	0.011	0					0.28
57.083	0.00	0.01	0.011	0					0.27
57.167	0.00	0.01	0.011	0					0.27
57.250	0.00	0.01	0.011	0					0.27
57.333	0.00	0.01	0.011	0					0.27
57.417	0.00	0.01	0.011	0					0.27
57.500	0.00	0.01	0.011	0					0.27
57.583	0.00	0.01	0.011	0					0.27
57.667	0.00	0.01	0.011	0					0.26
57.750	0.00	0.01	0.011	0					0.26
57.833	0.00	0.01	0.010	0					0.26
57.917	0.00	0.01	0.010	0					0.26
58.000	0.00	0.01	0.010	0					0.26
58.083	0.00	0.01	0.010	0					0.26
58.167	0.00	0.01	0.010	0					0.26
58.250	0.00	0.01	0.010	0					0.26
58.333	0.00	0.01	0.010	0					0.25
58.417	0.00	0.01	0.010	0					0.25
58.500	0.00	0.01	0.010	0					0.25
58.583	0.00	0.01	0.010	0					0.25
58.667	0.00	0.01	0.010	0					0.25
58.750	0.00	0.01	0.010	0					0.25
58.833	0.00	0.01	0.010	0					0.25
58.917	0.00	0.01	0.010	0					0.25
59.000	0.00	0.01	0.010	0					0.24
59.083	0.00	0.01	0.009	0					0.24
59.167	0.00	0.01	0.009	0					0.24
59.250	0.00	0.01	0.009	0					0.24
59.333	0.00	0.01	0.009	0					0.24
59.417	0.00	0.01	0.009	0					0.24
59.500	0.00	0.01	0.009	0					0.24
59.583	0.00	0.01	0.009	0					0.24
59.667	0.00	0.01	0.009	0					0.23
59.750	0.00	0.01	0.009	0					0.23
59.833	0.00	0.01	0.009	0					0.23
59.917	0.00	0.01	0.009	0					0.23
60.000	0.00	0.01	0.009	0					0.23
60.083	0.00	0.01	0.009	0					0.23
60.167	0.00	0.01	0.009	0					0.23

60.250	0.00	0.01	0.009	0					0.23
60.333	0.00	0.01	0.008	0					0.22
60.417	0.00	0.01	0.008	0					0.22
60.500	0.00	0.01	0.008	0					0.22
60.583	0.00	0.01	0.008	0					0.22
60.667	0.00	0.01	0.008	0					0.22
60.750	0.00	0.01	0.008	0					0.22
60.833	0.00	0.01	0.008	0					0.22
60.917	0.00	0.01	0.008	0					0.22
61.000	0.00	0.01	0.008	0					0.21
61.083	0.00	0.01	0.008	0					0.21
61.167	0.00	0.01	0.008	0					0.21
61.250	0.00	0.01	0.008	0					0.21
61.333	0.00	0.01	0.008	0					0.21
61.417	0.00	0.01	0.008	0					0.21
61.500	0.00	0.01	0.008	0					0.21
61.583	0.00	0.01	0.008	0					0.21
61.667	0.00	0.01	0.008	0					0.21
61.750	0.00	0.01	0.007	0					0.20
61.833	0.00	0.01	0.007	0					0.20
61.917	0.00	0.01	0.007	0					0.20
62.000	0.00	0.01	0.007	0					0.20
62.083	0.00	0.01	0.007	0					0.20
62.167	0.00	0.01	0.007	0					0.20
62.250	0.00	0.01	0.007	0					0.20
62.333	0.00	0.01	0.007	0					0.20
62.417	0.00	0.01	0.007	0					0.20
62.500	0.00	0.01	0.007	0					0.19
62.583	0.00	0.01	0.007	0					0.19
62.667	0.00	0.01	0.007	0					0.19
62.750	0.00	0.01	0.007	0					0.19
62.833	0.00	0.01	0.007	0					0.19
62.917	0.00	0.01	0.007	0					0.19
63.000	0.00	0.01	0.007	0					0.19
63.083	0.00	0.01	0.007	0					0.19
63.167	0.00	0.01	0.006	0					0.19
63.250	0.00	0.01	0.006	0					0.18
63.333	0.00	0.01	0.006	0					0.18
63.417	0.00	0.01	0.006	0					0.18
63.500	0.00	0.01	0.006	0					0.18
63.583	0.00	0.01	0.006	0					0.18
63.667	0.00	0.01	0.006	0					0.18
63.750	0.00	0.01	0.006	0					0.18
63.833	0.00	0.01	0.006	0					0.18
63.917	0.00	0.01	0.006	0					0.18
64.000	0.00	0.01	0.006	0					0.18
64.083	0.00	0.01	0.006	0					0.17
64.167	0.00	0.01	0.006	0					0.17
64.250	0.00	0.01	0.006	0					0.17
64.333	0.00	0.01	0.006	0					0.17

64.417	0.00	0.01	0.006	0					0.17
64.500	0.00	0.01	0.006	0					0.17
64.583	0.00	0.01	0.006	0					0.17
64.667	0.00	0.01	0.006	0					0.17
64.750	0.00	0.01	0.005	0					0.17
64.833	0.00	0.01	0.005	0					0.17
64.917	0.00	0.01	0.005	0					0.16
65.000	0.00	0.01	0.005	0					0.16
65.083	0.00	0.01	0.005	0					0.16
65.167	0.00	0.01	0.005	0					0.16
65.250	0.00	0.01	0.005	0					0.16
65.333	0.00	0.01	0.005	0					0.16
65.417	0.00	0.01	0.005	0					0.16
65.500	0.00	0.01	0.005	0					0.16
65.583	0.00	0.01	0.005	0					0.16
65.667	0.00	0.01	0.005	0					0.16
65.750	0.00	0.01	0.005	0					0.15
65.833	0.00	0.01	0.005	0					0.15
65.917	0.00	0.01	0.005	0					0.15
66.000	0.00	0.01	0.005	0					0.15
66.083	0.00	0.01	0.005	0					0.15
66.167	0.00	0.01	0.005	0					0.15
66.250	0.00	0.01	0.005	0					0.15
66.333	0.00	0.01	0.004	0					0.15
66.417	0.00	0.01	0.004	0					0.15
66.500	0.00	0.01	0.004	0					0.15
66.583	0.00	0.01	0.004	0					0.14
66.667	0.00	0.01	0.004	0					0.14
66.750	0.00	0.01	0.004	0					0.14
66.833	0.00	0.01	0.004	0					0.14
66.917	0.00	0.01	0.004	0					0.14
67.000	0.00	0.01	0.004	0					0.14
67.083	0.00	0.01	0.004	0					0.14
67.167	0.00	0.01	0.004	0					0.14
67.250	0.00	0.01	0.004	0					0.14
67.333	0.00	0.01	0.004	0					0.14
67.417	0.00	0.01	0.004	0					0.14
67.500	0.00	0.01	0.004	0					0.13
67.583	0.00	0.01	0.004	0					0.13
67.667	0.00	0.01	0.004	0					0.13
67.750	0.00	0.01	0.004	0					0.13
67.833	0.00	0.01	0.004	0					0.13
67.917	0.00	0.01	0.004	0					0.13
68.000	0.00	0.01	0.004	0					0.13
68.083	0.00	0.01	0.003	0					0.13
68.167	0.00	0.01	0.003	0					0.13
68.250	0.00	0.01	0.003	0					0.13
68.333	0.00	0.01	0.003	0					0.13
68.417	0.00	0.01	0.003	0					0.13
68.500	0.00	0.01	0.003	0					0.12

68.583	0.00	0.01	0.003	0					0.12
68.667	0.00	0.01	0.003	0					0.12
68.750	0.00	0.01	0.003	0					0.12
68.833	0.00	0.01	0.003	0					0.12
68.917	0.00	0.01	0.003	0					0.12
69.000	0.00	0.01	0.003	0					0.12
69.083	0.00	0.01	0.003	0					0.12
69.167	0.00	0.01	0.003	0					0.12
69.250	0.00	0.01	0.003	0					0.12
69.333	0.00	0.01	0.003	0					0.12
69.417	0.00	0.01	0.003	0					0.11
69.500	0.00	0.01	0.003	0					0.11
69.583	0.00	0.01	0.003	0					0.11
69.667	0.00	0.01	0.003	0					0.11
69.750	0.00	0.01	0.003	0					0.11
69.833	0.00	0.01	0.003	0					0.11
69.917	0.00	0.01	0.003	0					0.11
70.000	0.00	0.01	0.002	0					0.11
70.083	0.00	0.01	0.002	0					0.11
70.167	0.00	0.01	0.002	0					0.11
70.250	0.00	0.01	0.002	0					0.11
70.333	0.00	0.01	0.002	0					0.11
70.417	0.00	0.01	0.002	0					0.10
70.500	0.00	0.01	0.002	0					0.10
70.583	0.00	0.01	0.002	0					0.10
70.667	0.00	0.01	0.002	0					0.10
70.750	0.00	0.01	0.002	0					0.10
70.833	0.00	0.01	0.002	0					0.10
70.917	0.00	0.01	0.002	0					0.10
71.000	0.00	0.01	0.002	0					0.10
71.083	0.00	0.01	0.002	0					0.10
71.167	0.00	0.01	0.002	0					0.09
71.250	0.00	0.01	0.002	0					0.09
71.333	0.00	0.01	0.002	0					0.09
71.417	0.00	0.01	0.002	0					0.09
71.500	0.00	0.01	0.002	0					0.09
71.583	0.00	0.01	0.002	0					0.09
71.667	0.00	0.01	0.002	0					0.08
71.750	0.00	0.00	0.002	0					0.08
71.833	0.00	0.00	0.002	0					0.08
71.917	0.00	0.00	0.002	0					0.08
72.000	0.00	0.00	0.002	0					0.08
72.083	0.00	0.00	0.002	0					0.08
72.167	0.00	0.00	0.001	0					0.07
72.250	0.00	0.00	0.001	0					0.07
72.333	0.00	0.00	0.001	0					0.07
72.417	0.00	0.00	0.001	0					0.07
72.500	0.00	0.00	0.001	0					0.07
72.583	0.00	0.00	0.001	0					0.07
72.667	0.00	0.00	0.001	0					0.07

72.750	0.00	0.00	0.001	0					0.06
72.833	0.00	0.00	0.001	0					0.06
72.917	0.00	0.00	0.001	0					0.06
73.000	0.00	0.00	0.001	0					0.06
73.083	0.00	0.00	0.001	0					0.06
73.167	0.00	0.00	0.001	0					0.06
73.250	0.00	0.00	0.001	0					0.06
73.333	0.00	0.00	0.001	0					0.06
73.417	0.00	0.00	0.001	0					0.05
73.500	0.00	0.00	0.001	0					0.05
73.583	0.00	0.00	0.001	0					0.05
73.667	0.00	0.00	0.001	0					0.05
73.750	0.00	0.00	0.001	0					0.05
73.833	0.00	0.00	0.001	0					0.05
73.917	0.00	0.00	0.001	0					0.05
74.000	0.00	0.00	0.001	0					0.05
74.083	0.00	0.00	0.001	0					0.05
74.167	0.00	0.00	0.001	0					0.04
74.250	0.00	0.00	0.001	0					0.04
74.333	0.00	0.00	0.001	0					0.04
74.417	0.00	0.00	0.001	0					0.04
74.500	0.00	0.00	0.001	0					0.04
74.583	0.00	0.00	0.001	0					0.04
74.667	0.00	0.00	0.001	0					0.04
74.750	0.00	0.00	0.001	0					0.04
74.833	0.00	0.00	0.001	0					0.04
74.917	0.00	0.00	0.001	0					0.04
75.000	0.00	0.00	0.001	0					0.04
75.083	0.00	0.00	0.001	0					0.04
75.167	0.00	0.00	0.001	0					0.03
75.250	0.00	0.00	0.001	0					0.03
75.333	0.00	0.00	0.001	0					0.03
75.417	0.00	0.00	0.001	0					0.03
75.500	0.00	0.00	0.001	0					0.03
75.583	0.00	0.00	0.001	0					0.03
75.667	0.00	0.00	0.001	0					0.03
75.750	0.00	0.00	0.001	0					0.03
75.833	0.00	0.00	0.001	0					0.03
75.917	0.00	0.00	0.001	0					0.03
76.000	0.00	0.00	0.001	0					0.03
76.083	0.00	0.00	0.001	0					0.03
76.167	0.00	0.00	0.001	0					0.03
76.250	0.00	0.00	0.001	0					0.03
76.333	0.00	0.00	0.001	0					0.03
76.417	0.00	0.00	0.001	0					0.03
76.500	0.00	0.00	0.001	0					0.03
76.583	0.00	0.00	0.000	0					0.02
76.667	0.00	0.00	0.000	0					0.02
76.750	0.00	0.00	0.000	0					0.02
76.833	0.00	0.00	0.000	0					0.02

76.917	0.00	0.00	0.000	0					0.02
77.000	0.00	0.00	0.000	0					0.02
77.083	0.00	0.00	0.000	0					0.02
77.167	0.00	0.00	0.000	0					0.02
77.250	0.00	0.00	0.000	0					0.02
77.333	0.00	0.00	0.000	0					0.02
77.417	0.00	0.00	0.000	0					0.02
77.500	0.00	0.00	0.000	0					0.02
77.583	0.00	0.00	0.000	0					0.02
77.667	0.00	0.00	0.000	0					0.02
77.750	0.00	0.00	0.000	0					0.02
77.833	0.00	0.00	0.000	0					0.02
77.917	0.00	0.00	0.000	0					0.02
78.000	0.00	0.00	0.000	0					0.02
78.083	0.00	0.00	0.000	0					0.02
78.167	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 938

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.039 (CFS)

Total volume = 0.133 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
2 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da2242.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.599 (CFS)
Total volume = 0.364 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.30	0.45	0.60	Depth (Ft.)
0.083	0.02	0.00	0.000	OI					0.00
0.167	0.03	0.00	0.000	OI					0.01
0.250	0.04	0.00	0.000	OI					0.02
0.333	0.04	0.00	0.001	O I					0.04
0.417	0.05	0.00	0.001	O I					0.05
0.500	0.05	0.00	0.001	O I					0.07
0.583	0.05	0.01	0.002	O I					0.09
0.667	0.05	0.01	0.002	O I					0.10
0.750	0.05	0.01	0.002	O I					0.11
0.833	0.06	0.01	0.003	O I					0.11
0.917	0.07	0.01	0.003	O I					0.12
1.000	0.07	0.01	0.004	O I					0.13
1.083	0.06	0.01	0.004	O I					0.14
1.167	0.05	0.01	0.004	O I					0.14
1.250	0.05	0.01	0.005	O I					0.15
1.333	0.05	0.01	0.005	O I					0.16
1.417	0.05	0.01	0.005	O I					0.16
1.500	0.05	0.01	0.006	O I					0.17
1.583	0.05	0.01	0.006	O I					0.17
1.667	0.05	0.01	0.006	O I					0.18
1.750	0.05	0.01	0.007	O I					0.19
1.833	0.06	0.01	0.007	O I					0.19

1.917	0.07	0.01	0.007	0	I					0.20
2.000	0.07	0.01	0.008	0	I					0.21
2.083	0.07	0.01	0.008	0	I					0.22
2.167	0.07	0.01	0.009	0	I					0.22
2.250	0.07	0.01	0.009	0	I					0.23
2.333	0.07	0.01	0.009	0	I					0.24
2.417	0.07	0.01	0.010	0	I					0.25
2.500	0.07	0.01	0.010	0	I					0.26
2.583	0.08	0.01	0.011	0	I					0.27
2.667	0.09	0.01	0.011	0	I					0.28
2.750	0.09	0.01	0.012	0	I					0.29
2.833	0.09	0.01	0.012	0	I					0.30
2.917	0.09	0.01	0.013	0	I					0.31
3.000	0.09	0.01	0.013	0	I					0.32
3.083	0.09	0.01	0.014	0	I					0.33
3.167	0.09	0.01	0.014	0	I					0.34
3.250	0.09	0.01	0.015	0	I					0.35
3.333	0.09	0.01	0.015	0	I					0.36
3.417	0.09	0.01	0.016	0	I					0.37
3.500	0.09	0.01	0.016	0	I					0.38
3.583	0.09	0.01	0.017	0	I					0.39
3.667	0.09	0.01	0.017	0	I					0.40
3.750	0.09	0.01	0.018	0	I					0.41
3.833	0.10	0.01	0.019	0	I					0.42
3.917	0.10	0.01	0.019	0	I					0.43
4.000	0.11	0.01	0.020	0	I					0.44
4.083	0.11	0.01	0.020	0	I					0.45
4.167	0.11	0.01	0.021	0	I					0.46
4.250	0.11	0.02	0.022	0	I					0.48
4.333	0.12	0.02	0.022	0	I					0.49
4.417	0.12	0.02	0.023	0	I					0.50
4.500	0.12	0.02	0.024	0	I					0.52
4.583	0.12	0.02	0.024	0	I					0.53
4.667	0.12	0.02	0.025	0	I					0.54
4.750	0.12	0.02	0.026	0	I					0.56
4.833	0.13	0.02	0.027	0	I					0.57
4.917	0.14	0.02	0.028	0	I					0.59
5.000	0.14	0.02	0.028	0	I					0.60
5.083	0.12	0.02	0.029	0	I					0.62
5.167	0.11	0.02	0.030	0	I					0.63
5.250	0.11	0.02	0.030	0	I					0.64
5.333	0.12	0.02	0.031	0	I					0.66
5.417	0.12	0.02	0.032	0	I					0.67
5.500	0.12	0.02	0.032	0	I					0.68
5.583	0.13	0.02	0.033	0	I					0.70
5.667	0.14	0.02	0.034	0	I					0.71
5.750	0.14	0.02	0.035	0	I					0.73
5.833	0.14	0.02	0.036	0	I					0.74
5.917	0.14	0.02	0.036	0	I					0.76
6.000	0.14	0.02	0.037	0	I					0.77

6.083	0.15	0.02	0.038	0	I				0.79
6.167	0.16	0.02	0.039	0	I				0.81
6.250	0.16	0.02	0.040	0	I				0.83
6.333	0.16	0.02	0.041	0	I				0.84
6.417	0.16	0.02	0.042	0	I				0.86
6.500	0.16	0.03	0.043	0	I				0.88
6.583	0.17	0.03	0.044	0	I				0.90
6.667	0.18	0.03	0.045	0	I				0.92
6.750	0.18	0.03	0.046	0	I				0.94
6.833	0.18	0.03	0.047	0	I				0.96
6.917	0.18	0.03	0.048	0	I				0.98
7.000	0.18	0.03	0.049	0	I				1.00
7.083	0.18	0.03	0.050	0	I				1.01
7.167	0.18	0.03	0.051	0	I				1.02
7.250	0.18	0.03	0.052	0	I				1.04
7.333	0.19	0.03	0.053	0	I				1.05
7.417	0.19	0.03	0.054	0	I				1.06
7.500	0.19	0.03	0.055	0	I				1.08
7.583	0.20	0.03	0.056	0	I				1.09
7.667	0.21	0.03	0.057	0	I				1.11
7.750	0.21	0.03	0.059	0	I				1.12
7.833	0.22	0.03	0.060	0	I				1.14
7.917	0.23	0.03	0.061	0	I				1.15
8.000	0.23	0.03	0.063	0	I				1.17
8.083	0.25	0.03	0.064	0	I				1.19
8.167	0.26	0.03	0.066	0	I				1.21
8.250	0.26	0.03	0.067	0	I				1.23
8.333	0.26	0.03	0.069	0	I				1.25
8.417	0.26	0.03	0.071	0	I				1.27
8.500	0.26	0.03	0.072	0	I				1.29
8.583	0.27	0.03	0.074	0	I				1.31
8.667	0.28	0.03	0.075	0	I				1.33
8.750	0.28	0.03	0.077	0	I				1.35
8.833	0.29	0.03	0.079	0	I				1.37
8.917	0.30	0.03	0.081	0	I				1.40
9.000	0.30	0.03	0.083	0	I				1.42
9.083	0.32	0.03	0.085	0	I				1.44
9.167	0.33	0.03	0.087	0	I				1.47
9.250	0.33	0.03	0.089	0	I				1.49
9.333	0.34	0.03	0.091	0	I				1.52
9.417	0.35	0.03	0.093	0	I				1.55
9.500	0.35	0.03	0.095	0	I				1.58
9.583	0.36	0.03	0.097	0	I				1.60
9.667	0.37	0.03	0.100	0	I				1.63
9.750	0.37	0.04	0.102	0	I				1.66
9.833	0.38	0.04	0.104	0	I				1.69
9.917	0.39	0.04	0.107	0	I				1.72
10.000	0.39	0.04	0.109	0	I				1.75
10.083	0.32	0.04	0.111	0	I				1.78
10.167	0.27	0.04	0.113	0	I				1.80

10.250	0.26	0.04	0.115	0	I			1.82
10.333	0.26	0.04	0.116	0	I			1.84
10.417	0.26	0.04	0.118	0	I			1.86
10.500	0.26	0.04	0.119	0	I			1.88
10.583	0.31	0.04	0.121	0	I			1.90
10.667	0.35	0.04	0.123	0		I		1.93
10.750	0.35	0.04	0.125	0		I		1.95
10.833	0.35	0.04	0.127	0		I		1.98
10.917	0.35	0.04	0.129	0		I		2.01
11.000	0.35	0.04	0.132	0		I		2.03
11.083	0.34	0.04	0.134	0		I		2.05
11.167	0.34	0.04	0.136	0		I		2.07
11.250	0.33	0.04	0.138	0		I		2.09
11.333	0.33	0.04	0.140	0		I		2.11
11.417	0.33	0.04	0.142	0		I		2.14
11.500	0.33	0.04	0.144	0		I		2.16
11.583	0.32	0.04	0.146	0	I			2.18
11.667	0.30	0.04	0.148	0	I			2.20
11.750	0.30	0.04	0.150	0	I			2.22
11.833	0.31	0.04	0.151	0	I			2.24
11.917	0.32	0.04	0.153	0	I			2.26
12.000	0.32	0.04	0.155	0	I			2.28
12.083	0.38	0.04	0.157	0		I		2.30
12.167	0.43	0.04	0.160	0			I	2.32
12.250	0.44	0.04	0.163	0			I	2.35
12.333	0.45	0.04	0.165	0			I	2.38
12.417	0.46	0.04	0.168	0			I	2.41
12.500	0.46	0.04	0.171	0			I	2.44
12.583	0.48	0.04	0.174	0			I	2.47
12.667	0.49	0.04	0.177	0			I	2.50
12.750	0.49	0.04	0.180	0			I	2.54
12.833	0.50	0.04	0.183	0			I	2.57
12.917	0.51	0.04	0.186	0			I	2.60
13.000	0.51	0.04	0.190	0			I	2.64
13.083	0.56	0.05	0.193	0			I	2.67
13.167	0.59	0.05	0.197	0			I	2.71
13.250	0.60	0.05	0.200	0			I	2.75
13.333	0.60	0.05	0.204	0			I	2.79
13.417	0.60	0.05	0.208	0			I	2.83
13.500	0.60	0.05	0.212	0			I	2.87
13.583	0.49	0.05	0.215	0			I	2.91
13.667	0.42	0.05	0.218	0		I		2.94
13.750	0.41	0.05	0.221	0		I		2.96
13.833	0.41	0.05	0.223	0		I		2.99
13.917	0.41	0.05	0.225	0		I		3.02
14.000	0.41	0.05	0.228	0		I		3.04
14.083	0.44	0.05	0.231	0		I		3.07
14.167	0.47	0.05	0.233	0			I	3.10
14.250	0.48	0.05	0.236	0			I	3.13
14.333	0.47	0.05	0.239	0			I	3.15

14.417	0.46	0.05	0.242	0			I	3.18
14.500	0.46	0.05	0.245	0			I	3.21
14.583	0.46	0.05	0.248	0			I	3.24
14.667	0.46	0.05	0.250	0			I	3.27
14.750	0.46	0.05	0.253	0			I	3.30
14.833	0.45	0.05	0.256	0			I	3.33
14.917	0.44	0.05	0.259	0			I	3.35
15.000	0.44	0.05	0.261	0			I	3.38
15.083	0.43	0.05	0.264	0			I	3.41
15.167	0.42	0.05	0.267	0			I	3.44
15.250	0.42	0.05	0.269	0			I	3.46
15.333	0.41	0.05	0.272	0			I	3.49
15.417	0.41	0.05	0.274	0			I	3.51
15.500	0.41	0.05	0.277	0			I	3.54
15.583	0.37	0.05	0.279	0		I		3.56
15.667	0.34	0.05	0.281	0		I		3.58
15.750	0.33	0.05	0.283	0		I		3.60
15.833	0.33	0.05	0.285	0		I		3.62
15.917	0.33	0.05	0.287	0		I		3.64
16.000	0.33	0.05	0.289	0		I		3.66
16.083	0.19	0.05	0.290	0	I			3.68
16.167	0.09	0.05	0.291	0 I				3.68
16.250	0.07	0.05	0.291	OI				3.68
16.333	0.07	0.05	0.291	OI				3.69
16.417	0.07	0.05	0.291	OI				3.69
16.500	0.07	0.05	0.291	OI				3.69
16.583	0.06	0.05	0.292	OI				3.69
16.667	0.05	0.05	0.292	0				3.69
16.750	0.05	0.05	0.292	0				3.69
16.833	0.05	0.05	0.292	0				3.69
16.917	0.05	0.05	0.292	0				3.69
17.000	0.05	0.05	0.292	0				3.69
17.083	0.07	0.05	0.292	OI				3.69
17.167	0.09	0.05	0.292	0 I				3.69
17.250	0.09	0.05	0.292	0 I				3.69
17.333	0.09	0.05	0.292	0 I				3.70
17.417	0.09	0.05	0.292	0 I				3.70
17.500	0.09	0.05	0.293	0 I				3.70
17.583	0.09	0.05	0.293	0 I				3.70
17.667	0.09	0.05	0.293	0 I				3.71
17.750	0.09	0.05	0.293	0 I				3.71
17.833	0.08	0.05	0.294	0 I				3.71
17.917	0.07	0.05	0.294	OI				3.71
18.000	0.07	0.05	0.294	OI				3.71
18.083	0.07	0.05	0.294	OI				3.71
18.167	0.07	0.05	0.294	OI				3.72
18.250	0.07	0.05	0.294	OI				3.72
18.333	0.07	0.05	0.294	OI				3.72
18.417	0.07	0.05	0.294	OI				3.72
18.500	0.07	0.05	0.295	OI				3.72

18.583	0.06	0.05	0.295	OI					3.72
18.667	0.05	0.05	0.295	O					3.72
18.750	0.05	0.05	0.295	O					3.72
18.833	0.04	0.05	0.295	O					3.72
18.917	0.04	0.05	0.295	IO					3.72
19.000	0.04	0.05	0.294	IO					3.72
19.083	0.04	0.05	0.294	O					3.72
19.167	0.05	0.05	0.294	O					3.72
19.250	0.05	0.05	0.294	O					3.72
19.333	0.06	0.05	0.294	OI					3.72
19.417	0.07	0.05	0.294	OI					3.72
19.500	0.07	0.05	0.295	OI					3.72
19.583	0.06	0.05	0.295	OI					3.72
19.667	0.05	0.05	0.295	O					3.72
19.750	0.05	0.05	0.295	O					3.72
19.833	0.04	0.05	0.295	O					3.72
19.917	0.04	0.05	0.294	IO					3.72
20.000	0.04	0.05	0.294	IO					3.72
20.083	0.04	0.05	0.294	O					3.72
20.167	0.05	0.05	0.294	O					3.72
20.250	0.05	0.05	0.294	O					3.72
20.333	0.05	0.05	0.294	O					3.72
20.417	0.05	0.05	0.294	O					3.72
20.500	0.05	0.05	0.294	O					3.72
20.583	0.05	0.05	0.294	O					3.72
20.667	0.05	0.05	0.294	O					3.72
20.750	0.05	0.05	0.294	O					3.72
20.833	0.04	0.05	0.294	O					3.72
20.917	0.04	0.05	0.294	IO					3.71
21.000	0.04	0.05	0.294	IO					3.71
21.083	0.04	0.05	0.294	O					3.71
21.167	0.05	0.05	0.294	O					3.71
21.250	0.05	0.05	0.294	O					3.71
21.333	0.04	0.05	0.294	O					3.71
21.417	0.04	0.05	0.294	IO					3.71
21.500	0.04	0.05	0.294	IO					3.71
21.583	0.04	0.05	0.293	O					3.71
21.667	0.05	0.05	0.293	O					3.71
21.750	0.05	0.05	0.293	O					3.71
21.833	0.04	0.05	0.293	O					3.71
21.917	0.04	0.05	0.293	IO					3.71
22.000	0.04	0.05	0.293	IO					3.71
22.083	0.04	0.05	0.293	O					3.70
22.167	0.05	0.05	0.293	O					3.70
22.250	0.05	0.05	0.293	O					3.70
22.333	0.04	0.05	0.293	O					3.70
22.417	0.04	0.05	0.293	IO					3.70
22.500	0.04	0.05	0.293	IO					3.70
22.583	0.04	0.05	0.293	IO					3.70
22.667	0.04	0.05	0.292	IO					3.70

22.750	0.04	0.05	0.292	IO					3.70
22.833	0.04	0.05	0.292	IO					3.70
22.917	0.04	0.05	0.292	IO					3.69
23.000	0.04	0.05	0.292	IO					3.69
23.083	0.04	0.05	0.292	IO					3.69
23.167	0.04	0.05	0.292	IO					3.69
23.250	0.04	0.05	0.292	IO					3.69
23.333	0.04	0.05	0.291	IO					3.69
23.417	0.04	0.05	0.291	IO					3.69
23.500	0.04	0.05	0.291	IO					3.69
23.583	0.04	0.05	0.291	IO					3.68
23.667	0.04	0.05	0.291	IO					3.68
23.750	0.04	0.05	0.291	IO					3.68
23.833	0.04	0.05	0.291	IO					3.68
23.917	0.04	0.05	0.291	IO					3.68
24.000	0.04	0.05	0.290	IO					3.68
24.083	0.02	0.05	0.290	I 0					3.68
24.167	0.00	0.05	0.290	I 0					3.67
24.250	0.00	0.05	0.290	I 0					3.67
24.333	0.00	0.05	0.289	I 0					3.67
24.417	0.00	0.05	0.289	I 0					3.66
24.500	0.00	0.05	0.289	I 0					3.66
24.583	0.00	0.05	0.288	I 0					3.65
24.667	0.00	0.05	0.288	I 0					3.65
24.750	0.00	0.05	0.287	I 0					3.65
24.833	0.00	0.05	0.287	I 0					3.64
24.917	0.00	0.05	0.287	I 0					3.64
25.000	0.00	0.05	0.286	I 0					3.64
25.083	0.00	0.05	0.286	I 0					3.63
25.167	0.00	0.05	0.286	I 0					3.63
25.250	0.00	0.05	0.285	I 0					3.62
25.333	0.00	0.05	0.285	I 0					3.62
25.417	0.00	0.05	0.284	I 0					3.62
25.500	0.00	0.05	0.284	I 0					3.61
25.583	0.00	0.05	0.284	I 0					3.61
25.667	0.00	0.05	0.283	I 0					3.61
25.750	0.00	0.05	0.283	I 0					3.60
25.833	0.00	0.05	0.283	I 0					3.60
25.917	0.00	0.05	0.282	I 0					3.59
26.000	0.00	0.05	0.282	I 0					3.59
26.083	0.00	0.05	0.282	I 0					3.59
26.167	0.00	0.05	0.281	I 0					3.58
26.250	0.00	0.05	0.281	I 0					3.58
26.333	0.00	0.05	0.280	I 0					3.58
26.417	0.00	0.05	0.280	I 0					3.57
26.500	0.00	0.05	0.280	I 0					3.57
26.583	0.00	0.05	0.279	I 0					3.57
26.667	0.00	0.05	0.279	I 0					3.56
26.750	0.00	0.05	0.279	I 0					3.56
26.833	0.00	0.05	0.278	I 0					3.55

26.917	0.00	0.05	0.278	I 0					3.55
27.000	0.00	0.05	0.278	I 0					3.55
27.083	0.00	0.05	0.277	I 0					3.54
27.167	0.00	0.05	0.277	I 0					3.54
27.250	0.00	0.05	0.277	I 0					3.54
27.333	0.00	0.05	0.276	I 0					3.53
27.417	0.00	0.05	0.276	I 0					3.53
27.500	0.00	0.05	0.275	I 0					3.52
27.583	0.00	0.05	0.275	I 0					3.52
27.667	0.00	0.05	0.275	I 0					3.52
27.750	0.00	0.05	0.274	I 0					3.51
27.833	0.00	0.05	0.274	I 0					3.51
27.917	0.00	0.05	0.274	I 0					3.51
28.000	0.00	0.05	0.273	I 0					3.50
28.083	0.00	0.05	0.273	I 0					3.50
28.167	0.00	0.05	0.273	I 0					3.50
28.250	0.00	0.05	0.272	I 0					3.49
28.333	0.00	0.05	0.272	I 0					3.49
28.417	0.00	0.05	0.271	I 0					3.48
28.500	0.00	0.05	0.271	I 0					3.48
28.583	0.00	0.05	0.271	I 0					3.48
28.667	0.00	0.05	0.270	I 0					3.47
28.750	0.00	0.05	0.270	I 0					3.47
28.833	0.00	0.05	0.270	I 0					3.47
28.917	0.00	0.05	0.269	I 0					3.46
29.000	0.00	0.05	0.269	I 0					3.46
29.083	0.00	0.05	0.269	I 0					3.46
29.167	0.00	0.05	0.268	I 0					3.45
29.250	0.00	0.05	0.268	I 0					3.45
29.333	0.00	0.05	0.268	I 0					3.44
29.417	0.00	0.05	0.267	I 0					3.44
29.500	0.00	0.05	0.267	I 0					3.44
29.583	0.00	0.05	0.267	I 0					3.43
29.667	0.00	0.05	0.266	I 0					3.43
29.750	0.00	0.05	0.266	I 0					3.43
29.833	0.00	0.05	0.265	I 0					3.42
29.917	0.00	0.05	0.265	I 0					3.42
30.000	0.00	0.05	0.265	I 0					3.42
30.083	0.00	0.05	0.264	I 0					3.41
30.167	0.00	0.05	0.264	I 0					3.41
30.250	0.00	0.05	0.264	I 0					3.40
30.333	0.00	0.05	0.263	I 0					3.40
30.417	0.00	0.05	0.263	I 0					3.40
30.500	0.00	0.05	0.263	I 0					3.39
30.583	0.00	0.05	0.262	I 0					3.39
30.667	0.00	0.05	0.262	I 0					3.39
30.750	0.00	0.05	0.262	I 0					3.38
30.833	0.00	0.05	0.261	I 0					3.38
30.917	0.00	0.05	0.261	I 0					3.38
31.000	0.00	0.05	0.261	I 0					3.37

31.083	0.00	0.05	0.260	I 0					3.37
31.167	0.00	0.05	0.260	I 0					3.37
31.250	0.00	0.05	0.259	I 0					3.36
31.333	0.00	0.05	0.259	I 0					3.36
31.417	0.00	0.05	0.259	I 0					3.35
31.500	0.00	0.05	0.258	I 0					3.35
31.583	0.00	0.05	0.258	I 0					3.35
31.667	0.00	0.05	0.258	I 0					3.34
31.750	0.00	0.05	0.257	I 0					3.34
31.833	0.00	0.05	0.257	I 0					3.34
31.917	0.00	0.05	0.257	I 0					3.33
32.000	0.00	0.05	0.256	I 0					3.33
32.083	0.00	0.05	0.256	I 0					3.33
32.167	0.00	0.05	0.256	I 0					3.32
32.250	0.00	0.05	0.255	I 0					3.32
32.333	0.00	0.05	0.255	I 0					3.32
32.417	0.00	0.05	0.255	I 0					3.31
32.500	0.00	0.05	0.254	I 0					3.31
32.583	0.00	0.05	0.254	I 0					3.30
32.667	0.00	0.05	0.254	I 0					3.30
32.750	0.00	0.05	0.253	I 0					3.30
32.833	0.00	0.05	0.253	I 0					3.29
32.917	0.00	0.05	0.252	I 0					3.29
33.000	0.00	0.05	0.252	I 0					3.29
33.083	0.00	0.05	0.252	I 0					3.28
33.167	0.00	0.05	0.251	I 0					3.28
33.250	0.00	0.05	0.251	I 0					3.28
33.333	0.00	0.05	0.251	I 0					3.27
33.417	0.00	0.05	0.250	I 0					3.27
33.500	0.00	0.05	0.250	I 0					3.27
33.583	0.00	0.05	0.250	I 0					3.26
33.667	0.00	0.05	0.249	I 0					3.26
33.750	0.00	0.05	0.249	I 0					3.26
33.833	0.00	0.05	0.249	I 0					3.25
33.917	0.00	0.05	0.248	I 0					3.25
34.000	0.00	0.05	0.248	I 0					3.24
34.083	0.00	0.05	0.248	I 0					3.24
34.167	0.00	0.05	0.247	I 0					3.24
34.250	0.00	0.05	0.247	I 0					3.23
34.333	0.00	0.05	0.247	I 0					3.23
34.417	0.00	0.05	0.246	I 0					3.23
34.500	0.00	0.05	0.246	I 0					3.22
34.583	0.00	0.05	0.246	I 0					3.22
34.667	0.00	0.05	0.245	I 0					3.22
34.750	0.00	0.05	0.245	I 0					3.21
34.833	0.00	0.05	0.245	I 0					3.21
34.917	0.00	0.05	0.244	I 0					3.21
35.000	0.00	0.05	0.244	I 0					3.20
35.083	0.00	0.05	0.244	I 0					3.20
35.167	0.00	0.05	0.243	I 0					3.20

35.250	0.00	0.05	0.243	I 0					3.19
35.333	0.00	0.05	0.243	I 0					3.19
35.417	0.00	0.05	0.242	I 0					3.19
35.500	0.00	0.05	0.242	I 0					3.18
35.583	0.00	0.05	0.241	I 0					3.18
35.667	0.00	0.05	0.241	I 0					3.18
35.750	0.00	0.05	0.241	I 0					3.17
35.833	0.00	0.05	0.240	I 0					3.17
35.917	0.00	0.05	0.240	I 0					3.16
36.000	0.00	0.05	0.240	I 0					3.16
36.083	0.00	0.05	0.239	I 0					3.16
36.167	0.00	0.05	0.239	I 0					3.15
36.250	0.00	0.05	0.239	I 0					3.15
36.333	0.00	0.05	0.238	I 0					3.15
36.417	0.00	0.05	0.238	I 0					3.14
36.500	0.00	0.05	0.238	I 0					3.14
36.583	0.00	0.05	0.237	I 0					3.14
36.667	0.00	0.05	0.237	I 0					3.13
36.750	0.00	0.05	0.237	I 0					3.13
36.833	0.00	0.05	0.236	I 0					3.13
36.917	0.00	0.05	0.236	I 0					3.12
37.000	0.00	0.05	0.236	I 0					3.12
37.083	0.00	0.05	0.235	I 0					3.12
37.167	0.00	0.05	0.235	I 0					3.11
37.250	0.00	0.05	0.235	I 0					3.11
37.333	0.00	0.05	0.234	I 0					3.11
37.417	0.00	0.05	0.234	I 0					3.10
37.500	0.00	0.05	0.234	I 0					3.10
37.583	0.00	0.05	0.233	I 0					3.10
37.667	0.00	0.05	0.233	I 0					3.09
37.750	0.00	0.05	0.233	I 0					3.09
37.833	0.00	0.05	0.232	I 0					3.09
37.917	0.00	0.05	0.232	I 0					3.08
38.000	0.00	0.05	0.232	I 0					3.08
38.083	0.00	0.05	0.231	I 0					3.08
38.167	0.00	0.05	0.231	I 0					3.07
38.250	0.00	0.05	0.231	I 0					3.07
38.333	0.00	0.05	0.230	I 0					3.06
38.417	0.00	0.05	0.230	I 0					3.06
38.500	0.00	0.05	0.230	I 0					3.06
38.583	0.00	0.05	0.229	I 0					3.05
38.667	0.00	0.05	0.229	I 0					3.05
38.750	0.00	0.05	0.229	I 0					3.05
38.833	0.00	0.05	0.228	I 0					3.04
38.917	0.00	0.05	0.228	I 0					3.04
39.000	0.00	0.05	0.228	I 0					3.04
39.083	0.00	0.05	0.227	I 0					3.03
39.167	0.00	0.05	0.227	I 0					3.03
39.250	0.00	0.05	0.227	I 0					3.03
39.333	0.00	0.05	0.226	I 0					3.02

39.417	0.00	0.05	0.226	I 0					3.02
39.500	0.00	0.05	0.226	I 0					3.02
39.583	0.00	0.05	0.225	I 0					3.01
39.667	0.00	0.05	0.225	I 0					3.01
39.750	0.00	0.05	0.225	I 0					3.01
39.833	0.00	0.05	0.224	I 0					3.00
39.917	0.00	0.05	0.224	I 0					3.00
40.000	0.00	0.05	0.224	I 0					3.00
40.083	0.00	0.05	0.223	I 0					2.99
40.167	0.00	0.05	0.223	I 0					2.99
40.250	0.00	0.05	0.223	I 0					2.99
40.333	0.00	0.05	0.222	I 0					2.98
40.417	0.00	0.05	0.222	I 0					2.98
40.500	0.00	0.05	0.222	I 0					2.98
40.583	0.00	0.05	0.221	I 0					2.97
40.667	0.00	0.05	0.221	I 0					2.97
40.750	0.00	0.05	0.221	I 0					2.97
40.833	0.00	0.05	0.220	I 0					2.96
40.917	0.00	0.05	0.220	I 0					2.96
41.000	0.00	0.05	0.220	I 0					2.96
41.083	0.00	0.05	0.219	I 0					2.95
41.167	0.00	0.05	0.219	I 0					2.95
41.250	0.00	0.05	0.219	I 0					2.95
41.333	0.00	0.05	0.218	I 0					2.94
41.417	0.00	0.05	0.218	I 0					2.94
41.500	0.00	0.05	0.218	I 0					2.93
41.583	0.00	0.05	0.217	I 0					2.93
41.667	0.00	0.05	0.217	I 0					2.93
41.750	0.00	0.05	0.217	I 0					2.92
41.833	0.00	0.05	0.217	I 0					2.92
41.917	0.00	0.05	0.216	I 0					2.92
42.000	0.00	0.05	0.216	I 0					2.91
42.083	0.00	0.05	0.216	I 0					2.91
42.167	0.00	0.05	0.215	I 0					2.91
42.250	0.00	0.05	0.215	I 0					2.90
42.333	0.00	0.05	0.215	I 0					2.90
42.417	0.00	0.05	0.214	I 0					2.90
42.500	0.00	0.05	0.214	I 0					2.89
42.583	0.00	0.05	0.214	I 0					2.89
42.667	0.00	0.05	0.213	I 0					2.89
42.750	0.00	0.05	0.213	I 0					2.88
42.833	0.00	0.05	0.213	I 0					2.88
42.917	0.00	0.05	0.212	I 0					2.88
43.000	0.00	0.05	0.212	I 0					2.87
43.083	0.00	0.05	0.212	I 0					2.87
43.167	0.00	0.05	0.211	I 0					2.87
43.250	0.00	0.05	0.211	I 0					2.86
43.333	0.00	0.05	0.211	I 0					2.86
43.417	0.00	0.05	0.210	I 0					2.86
43.500	0.00	0.05	0.210	I 0					2.85

43.583	0.00	0.05	0.210	I 0					2.85
43.667	0.00	0.05	0.209	I 0					2.85
43.750	0.00	0.05	0.209	I 0					2.84
43.833	0.00	0.05	0.209	I 0					2.84
43.917	0.00	0.05	0.208	I 0					2.84
44.000	0.00	0.05	0.208	I 0					2.83
44.083	0.00	0.05	0.208	I 0					2.83
44.167	0.00	0.05	0.207	I 0					2.83
44.250	0.00	0.05	0.207	I 0					2.82
44.333	0.00	0.05	0.207	I 0					2.82
44.417	0.00	0.05	0.207	I 0					2.82
44.500	0.00	0.05	0.206	I 0					2.81
44.583	0.00	0.05	0.206	I 0					2.81
44.667	0.00	0.05	0.206	I 0					2.81
44.750	0.00	0.05	0.205	I 0					2.80
44.833	0.00	0.05	0.205	I 0					2.80
44.917	0.00	0.05	0.205	I 0					2.80
45.000	0.00	0.05	0.204	I 0					2.79
45.083	0.00	0.05	0.204	I 0					2.79
45.167	0.00	0.05	0.204	I 0					2.79
45.250	0.00	0.05	0.203	I 0					2.78
45.333	0.00	0.05	0.203	I 0					2.78
45.417	0.00	0.05	0.203	I 0					2.78
45.500	0.00	0.05	0.202	I 0					2.77
45.583	0.00	0.05	0.202	I 0					2.77
45.667	0.00	0.05	0.202	I 0					2.77
45.750	0.00	0.05	0.201	I 0					2.76
45.833	0.00	0.05	0.201	I 0					2.76
45.917	0.00	0.05	0.201	I 0					2.76
46.000	0.00	0.05	0.200	I 0					2.75
46.083	0.00	0.05	0.200	I 0					2.75
46.167	0.00	0.05	0.200	I 0					2.75
46.250	0.00	0.05	0.200	I 0					2.74
46.333	0.00	0.05	0.199	I 0					2.74
46.417	0.00	0.05	0.199	I 0					2.74
46.500	0.00	0.05	0.199	I 0					2.73
46.583	0.00	0.05	0.198	I 0					2.73
46.667	0.00	0.05	0.198	I 0					2.73
46.750	0.00	0.05	0.198	I 0					2.72
46.833	0.00	0.05	0.197	I 0					2.72
46.917	0.00	0.05	0.197	I 0					2.72
47.000	0.00	0.05	0.197	I 0					2.71
47.083	0.00	0.05	0.196	I 0					2.71
47.167	0.00	0.05	0.196	I 0					2.71
47.250	0.00	0.05	0.196	I 0					2.70
47.333	0.00	0.05	0.195	I 0					2.70
47.417	0.00	0.05	0.195	I 0					2.70
47.500	0.00	0.05	0.195	I 0					2.69
47.583	0.00	0.05	0.195	I 0					2.69
47.667	0.00	0.05	0.194	I 0					2.69

47.750	0.00	0.05	0.194	I 0					2.68
47.833	0.00	0.05	0.194	I 0					2.68
47.917	0.00	0.05	0.193	I 0					2.68
48.000	0.00	0.05	0.193	I 0					2.67
48.083	0.00	0.05	0.193	I 0					2.67
48.167	0.00	0.05	0.192	I 0					2.67
48.250	0.00	0.04	0.192	I 0					2.66
48.333	0.00	0.04	0.192	I 0					2.66
48.417	0.00	0.04	0.191	I 0					2.66
48.500	0.00	0.04	0.191	I 0					2.65
48.583	0.00	0.04	0.191	I 0					2.65
48.667	0.00	0.04	0.190	I 0					2.65
48.750	0.00	0.04	0.190	I 0					2.64
48.833	0.00	0.04	0.190	I 0					2.64
48.917	0.00	0.04	0.190	I 0					2.64
49.000	0.00	0.04	0.189	I 0					2.63
49.083	0.00	0.04	0.189	I 0					2.63
49.167	0.00	0.04	0.189	I 0					2.63
49.250	0.00	0.04	0.188	I 0					2.62
49.333	0.00	0.04	0.188	I 0					2.62
49.417	0.00	0.04	0.188	I 0					2.62
49.500	0.00	0.04	0.187	I 0					2.61
49.583	0.00	0.04	0.187	I 0					2.61
49.667	0.00	0.04	0.187	I 0					2.61
49.750	0.00	0.04	0.187	I 0					2.61
49.833	0.00	0.04	0.186	I 0					2.60
49.917	0.00	0.04	0.186	I 0					2.60
50.000	0.00	0.04	0.186	I 0					2.60
50.083	0.00	0.04	0.185	I 0					2.59
50.167	0.00	0.04	0.185	I 0					2.59
50.250	0.00	0.04	0.185	I 0					2.59
50.333	0.00	0.04	0.184	I 0					2.58
50.417	0.00	0.04	0.184	I 0					2.58
50.500	0.00	0.04	0.184	I 0					2.58
50.583	0.00	0.04	0.183	I 0					2.57
50.667	0.00	0.04	0.183	I 0					2.57
50.750	0.00	0.04	0.183	I 0					2.57
50.833	0.00	0.04	0.183	I 0					2.56
50.917	0.00	0.04	0.182	I 0					2.56
51.000	0.00	0.04	0.182	I 0					2.56
51.083	0.00	0.04	0.182	I 0					2.55
51.167	0.00	0.04	0.181	I 0					2.55
51.250	0.00	0.04	0.181	I 0					2.55
51.333	0.00	0.04	0.181	I 0					2.54
51.417	0.00	0.04	0.180	I 0					2.54
51.500	0.00	0.04	0.180	I 0					2.54
51.583	0.00	0.04	0.180	I 0					2.53
51.667	0.00	0.04	0.180	I 0					2.53
51.750	0.00	0.04	0.179	I 0					2.53
51.833	0.00	0.04	0.179	I 0					2.53

51.917	0.00	0.04	0.179	I 0					2.52
52.000	0.00	0.04	0.178	I 0					2.52
52.083	0.00	0.04	0.178	I 0					2.52
52.167	0.00	0.04	0.178	I 0					2.51
52.250	0.00	0.04	0.177	I 0					2.51
52.333	0.00	0.04	0.177	I 0					2.51
52.417	0.00	0.04	0.177	I 0					2.50
52.500	0.00	0.04	0.177	I 0					2.50
52.583	0.00	0.04	0.176	I 0					2.50
52.667	0.00	0.04	0.176	I 0					2.49
52.750	0.00	0.04	0.176	I 0					2.49
52.833	0.00	0.04	0.175	I 0					2.49
52.917	0.00	0.04	0.175	I 0					2.48
53.000	0.00	0.04	0.175	I 0					2.48
53.083	0.00	0.04	0.174	I 0					2.48
53.167	0.00	0.04	0.174	I 0					2.47
53.250	0.00	0.04	0.174	I 0					2.47
53.333	0.00	0.04	0.174	I 0					2.47
53.417	0.00	0.04	0.173	I 0					2.47
53.500	0.00	0.04	0.173	I 0					2.46
53.583	0.00	0.04	0.173	I 0					2.46
53.667	0.00	0.04	0.172	I 0					2.46
53.750	0.00	0.04	0.172	I 0					2.45
53.833	0.00	0.04	0.172	I 0					2.45
53.917	0.00	0.04	0.171	I 0					2.45
54.000	0.00	0.04	0.171	I 0					2.44
54.083	0.00	0.04	0.171	I 0					2.44
54.167	0.00	0.04	0.171	I 0					2.44
54.250	0.00	0.04	0.170	I 0					2.43
54.333	0.00	0.04	0.170	I 0					2.43
54.417	0.00	0.04	0.170	I 0					2.43
54.500	0.00	0.04	0.169	I 0					2.43
54.583	0.00	0.04	0.169	I 0					2.42
54.667	0.00	0.04	0.169	I 0					2.42
54.750	0.00	0.04	0.168	I 0					2.42
54.833	0.00	0.04	0.168	I 0					2.41
54.917	0.00	0.04	0.168	I 0					2.41
55.000	0.00	0.04	0.168	I 0					2.41
55.083	0.00	0.04	0.167	I 0					2.40
55.167	0.00	0.04	0.167	I 0					2.40
55.250	0.00	0.04	0.167	I 0					2.40
55.333	0.00	0.04	0.166	I 0					2.39
55.417	0.00	0.04	0.166	I 0					2.39
55.500	0.00	0.04	0.166	I 0					2.39
55.583	0.00	0.04	0.166	I 0					2.38
55.667	0.00	0.04	0.165	I 0					2.38
55.750	0.00	0.04	0.165	I 0					2.38
55.833	0.00	0.04	0.165	I 0					2.38
55.917	0.00	0.04	0.164	I 0					2.37
56.000	0.00	0.04	0.164	I 0					2.37

56.083	0.00	0.04	0.164	I 0					2.37
56.167	0.00	0.04	0.164	I 0					2.36
56.250	0.00	0.04	0.163	I 0					2.36
56.333	0.00	0.04	0.163	I 0					2.36
56.417	0.00	0.04	0.163	I 0					2.35
56.500	0.00	0.04	0.162	I 0					2.35
56.583	0.00	0.04	0.162	I 0					2.35
56.667	0.00	0.04	0.162	I 0					2.34
56.750	0.00	0.04	0.161	I 0					2.34
56.833	0.00	0.04	0.161	I 0					2.34
56.917	0.00	0.04	0.161	I 0					2.34
57.000	0.00	0.04	0.161	I 0					2.33
57.083	0.00	0.04	0.160	I 0					2.33
57.167	0.00	0.04	0.160	I 0					2.33
57.250	0.00	0.04	0.160	I 0					2.32
57.333	0.00	0.04	0.159	I 0					2.32
57.417	0.00	0.04	0.159	I 0					2.32
57.500	0.00	0.04	0.159	I 0					2.31
57.583	0.00	0.04	0.159	I 0					2.31
57.667	0.00	0.04	0.158	I 0					2.31
57.750	0.00	0.04	0.158	I 0					2.31
57.833	0.00	0.04	0.158	I 0					2.30
57.917	0.00	0.04	0.157	I 0					2.30
58.000	0.00	0.04	0.157	I 0					2.30
58.083	0.00	0.04	0.157	I 0					2.29
58.167	0.00	0.04	0.157	I 0					2.29
58.250	0.00	0.04	0.156	I 0					2.29
58.333	0.00	0.04	0.156	I 0					2.28
58.417	0.00	0.04	0.156	I 0					2.28
58.500	0.00	0.04	0.155	I 0					2.28
58.583	0.00	0.04	0.155	I 0					2.28
58.667	0.00	0.04	0.155	I 0					2.27
58.750	0.00	0.04	0.155	I 0					2.27
58.833	0.00	0.04	0.154	I 0					2.27
58.917	0.00	0.04	0.154	I 0					2.26
59.000	0.00	0.04	0.154	I 0					2.26
59.083	0.00	0.04	0.153	I 0					2.26
59.167	0.00	0.04	0.153	I 0					2.25
59.250	0.00	0.04	0.153	I 0					2.25
59.333	0.00	0.04	0.153	I 0					2.25
59.417	0.00	0.04	0.152	I 0					2.25
59.500	0.00	0.04	0.152	I 0					2.24
59.583	0.00	0.04	0.152	I 0					2.24
59.667	0.00	0.04	0.151	I 0					2.24
59.750	0.00	0.04	0.151	I 0					2.23
59.833	0.00	0.04	0.151	I 0					2.23
59.917	0.00	0.04	0.151	I 0					2.23
60.000	0.00	0.04	0.150	I 0					2.22
60.083	0.00	0.04	0.150	I 0					2.22
60.167	0.00	0.04	0.150	I 0					2.22

60.250	0.00	0.04	0.149	I 0					2.22
60.333	0.00	0.04	0.149	I 0					2.21
60.417	0.00	0.04	0.149	I 0					2.21
60.500	0.00	0.04	0.149	I 0					2.21
60.583	0.00	0.04	0.148	I 0					2.20
60.667	0.00	0.04	0.148	I 0					2.20
60.750	0.00	0.04	0.148	I 0					2.20
60.833	0.00	0.04	0.148	I 0					2.19
60.917	0.00	0.04	0.147	I 0					2.19
61.000	0.00	0.04	0.147	I 0					2.19
61.083	0.00	0.04	0.147	I 0					2.19
61.167	0.00	0.04	0.146	I 0					2.18
61.250	0.00	0.04	0.146	I 0					2.18
61.333	0.00	0.04	0.146	I 0					2.18
61.417	0.00	0.04	0.146	I 0					2.17
61.500	0.00	0.04	0.145	I 0					2.17
61.583	0.00	0.04	0.145	I 0					2.17
61.667	0.00	0.04	0.145	I 0					2.17
61.750	0.00	0.04	0.144	I 0					2.16
61.833	0.00	0.04	0.144	I 0					2.16
61.917	0.00	0.04	0.144	I 0					2.16
62.000	0.00	0.04	0.144	I 0					2.15
62.083	0.00	0.04	0.143	I 0					2.15
62.167	0.00	0.04	0.143	I 0					2.15
62.250	0.00	0.04	0.143	I 0					2.14
62.333	0.00	0.04	0.142	I 0					2.14
62.417	0.00	0.04	0.142	I 0					2.14
62.500	0.00	0.04	0.142	I 0					2.14
62.583	0.00	0.04	0.142	I 0					2.13
62.667	0.00	0.04	0.141	I 0					2.13
62.750	0.00	0.04	0.141	I 0					2.13
62.833	0.00	0.04	0.141	I 0					2.12
62.917	0.00	0.04	0.141	I 0					2.12
63.000	0.00	0.04	0.140	I 0					2.12
63.083	0.00	0.04	0.140	I 0					2.12
63.167	0.00	0.04	0.140	I 0					2.11
63.250	0.00	0.04	0.139	I 0					2.11
63.333	0.00	0.04	0.139	I 0					2.11
63.417	0.00	0.04	0.139	I 0					2.10
63.500	0.00	0.04	0.139	I 0					2.10
63.583	0.00	0.04	0.138	I 0					2.10
63.667	0.00	0.04	0.138	I 0					2.10
63.750	0.00	0.04	0.138	I 0					2.09
63.833	0.00	0.04	0.138	I 0					2.09
63.917	0.00	0.04	0.137	I 0					2.09
64.000	0.00	0.04	0.137	I 0					2.08
64.083	0.00	0.04	0.137	I 0					2.08
64.167	0.00	0.04	0.136	I 0					2.08
64.250	0.00	0.04	0.136	I 0					2.08
64.333	0.00	0.04	0.136	I 0					2.07

64.417	0.00	0.04	0.136	I 0					2.07
64.500	0.00	0.04	0.135	I 0					2.07
64.583	0.00	0.04	0.135	I 0					2.06
64.667	0.00	0.04	0.135	I 0					2.06
64.750	0.00	0.04	0.135	I 0					2.06
64.833	0.00	0.04	0.134	I 0					2.06
64.917	0.00	0.04	0.134	I 0					2.05
65.000	0.00	0.04	0.134	I 0					2.05
65.083	0.00	0.04	0.133	I 0					2.05
65.167	0.00	0.04	0.133	I 0					2.04
65.250	0.00	0.04	0.133	I 0					2.04
65.333	0.00	0.04	0.133	I 0					2.04
65.417	0.00	0.04	0.132	I 0					2.04
65.500	0.00	0.04	0.132	I 0					2.03
65.583	0.00	0.04	0.132	I 0					2.03
65.667	0.00	0.04	0.132	I 0					2.03
65.750	0.00	0.04	0.131	I 0					2.02
65.833	0.00	0.04	0.131	I 0					2.02
65.917	0.00	0.04	0.131	I 0					2.02
66.000	0.00	0.04	0.130	I 0					2.02
66.083	0.00	0.04	0.130	I 0					2.01
66.167	0.00	0.04	0.130	I 0					2.01
66.250	0.00	0.04	0.130	I 0					2.01
66.333	0.00	0.04	0.129	I 0					2.00
66.417	0.00	0.04	0.129	I 0					2.00
66.500	0.00	0.04	0.129	I 0					2.00
66.583	0.00	0.04	0.129	I 0					1.99
66.667	0.00	0.04	0.128	I 0					1.99
66.750	0.00	0.04	0.128	I 0					1.99
66.833	0.00	0.04	0.128	I 0					1.98
66.917	0.00	0.04	0.127	I 0					1.98
67.000	0.00	0.04	0.127	I 0					1.98
67.083	0.00	0.04	0.127	I 0					1.97
67.167	0.00	0.04	0.127	I 0					1.97
67.250	0.00	0.04	0.126	I 0					1.97
67.333	0.00	0.04	0.126	I 0					1.96
67.417	0.00	0.04	0.126	I 0					1.96
67.500	0.00	0.04	0.126	I 0					1.96
67.583	0.00	0.04	0.125	I 0					1.95
67.667	0.00	0.04	0.125	I 0					1.95
67.750	0.00	0.04	0.125	I 0					1.95
67.833	0.00	0.04	0.125	I 0					1.94
67.917	0.00	0.04	0.124	I 0					1.94
68.000	0.00	0.04	0.124	I 0					1.94
68.083	0.00	0.04	0.124	I 0					1.93
68.167	0.00	0.04	0.124	I 0					1.93
68.250	0.00	0.04	0.123	I 0					1.93
68.333	0.00	0.04	0.123	I 0					1.92
68.417	0.00	0.04	0.123	I 0					1.92
68.500	0.00	0.04	0.122	I 0					1.92

68.583	0.00	0.04	0.122	I 0					1.92
68.667	0.00	0.04	0.122	I 0					1.91
68.750	0.00	0.04	0.122	I 0					1.91
68.833	0.00	0.04	0.121	I 0					1.91
68.917	0.00	0.04	0.121	I 0					1.90
69.000	0.00	0.04	0.121	I 0					1.90
69.083	0.00	0.04	0.121	I 0					1.90
69.167	0.00	0.04	0.120	I 0					1.89
69.250	0.00	0.04	0.120	I 0					1.89
69.333	0.00	0.04	0.120	I 0					1.89
69.417	0.00	0.04	0.120	I 0					1.88
69.500	0.00	0.04	0.119	I 0					1.88
69.583	0.00	0.04	0.119	I 0					1.88
69.667	0.00	0.04	0.119	I 0					1.87
69.750	0.00	0.04	0.119	I 0					1.87
69.833	0.00	0.04	0.118	I 0					1.87
69.917	0.00	0.04	0.118	I 0					1.86
70.000	0.00	0.04	0.118	I 0					1.86
70.083	0.00	0.04	0.118	IO					1.86
70.167	0.00	0.04	0.117	IO					1.85
70.250	0.00	0.04	0.117	IO					1.85
70.333	0.00	0.04	0.117	IO					1.85
70.417	0.00	0.04	0.116	IO					1.84
70.500	0.00	0.04	0.116	IO					1.84
70.583	0.00	0.04	0.116	IO					1.84
70.667	0.00	0.04	0.116	IO					1.83
70.750	0.00	0.04	0.115	IO					1.83
70.833	0.00	0.04	0.115	IO					1.83
70.917	0.00	0.04	0.115	IO					1.82
71.000	0.00	0.04	0.115	IO					1.82
71.083	0.00	0.04	0.114	IO					1.82
71.167	0.00	0.04	0.114	IO					1.81
71.250	0.00	0.04	0.114	IO					1.81
71.333	0.00	0.04	0.114	IO					1.81
71.417	0.00	0.04	0.113	IO					1.81
71.500	0.00	0.04	0.113	IO					1.80
71.583	0.00	0.04	0.113	IO					1.80
71.667	0.00	0.04	0.113	IO					1.80
71.750	0.00	0.04	0.112	IO					1.79
71.833	0.00	0.04	0.112	IO					1.79
71.917	0.00	0.04	0.112	IO					1.79
72.000	0.00	0.04	0.112	IO					1.78
72.083	0.00	0.04	0.111	IO					1.78
72.167	0.00	0.04	0.111	IO					1.78
72.250	0.00	0.04	0.111	IO					1.77
72.333	0.00	0.04	0.111	IO					1.77
72.417	0.00	0.04	0.110	IO					1.77
72.500	0.00	0.04	0.110	IO					1.76
72.583	0.00	0.04	0.110	IO					1.76
72.667	0.00	0.04	0.110	IO					1.76

72.750	0.00	0.04	0.109	IO					1.76
72.833	0.00	0.04	0.109	IO					1.75
72.917	0.00	0.04	0.109	IO					1.75
73.000	0.00	0.04	0.109	IO					1.75
73.083	0.00	0.04	0.108	IO					1.74
73.167	0.00	0.04	0.108	IO					1.74
73.250	0.00	0.04	0.108	IO					1.74
73.333	0.00	0.04	0.108	IO					1.73
73.417	0.00	0.04	0.107	IO					1.73
73.500	0.00	0.04	0.107	IO					1.73
73.583	0.00	0.04	0.107	IO					1.72
73.667	0.00	0.04	0.107	IO					1.72
73.750	0.00	0.04	0.106	IO					1.72
73.833	0.00	0.04	0.106	IO					1.71
73.917	0.00	0.04	0.106	IO					1.71
74.000	0.00	0.04	0.106	IO					1.71
74.083	0.00	0.04	0.105	IO					1.71
74.167	0.00	0.04	0.105	IO					1.70
74.250	0.00	0.04	0.105	IO					1.70
74.333	0.00	0.04	0.105	IO					1.70
74.417	0.00	0.04	0.104	IO					1.69
74.500	0.00	0.04	0.104	IO					1.69
74.583	0.00	0.04	0.104	IO					1.69
74.667	0.00	0.04	0.104	IO					1.68
74.750	0.00	0.04	0.103	IO					1.68
74.833	0.00	0.04	0.103	IO					1.68
74.917	0.00	0.04	0.103	IO					1.67
75.000	0.00	0.04	0.103	IO					1.67
75.083	0.00	0.04	0.102	IO					1.67
75.167	0.00	0.04	0.102	IO					1.67
75.250	0.00	0.04	0.102	IO					1.66
75.333	0.00	0.04	0.102	IO					1.66
75.417	0.00	0.04	0.102	IO					1.66
75.500	0.00	0.04	0.101	IO					1.65
75.583	0.00	0.04	0.101	IO					1.65
75.667	0.00	0.04	0.101	IO					1.65
75.750	0.00	0.04	0.101	IO					1.64
75.833	0.00	0.04	0.100	IO					1.64
75.917	0.00	0.04	0.100	IO					1.64
76.000	0.00	0.03	0.100	IO					1.64
76.083	0.00	0.03	0.100	IO					1.63
76.167	0.00	0.03	0.099	IO					1.63
76.250	0.00	0.03	0.099	IO					1.63
76.333	0.00	0.03	0.099	IO					1.62
76.417	0.00	0.03	0.099	IO					1.62
76.500	0.00	0.03	0.098	IO					1.62
76.583	0.00	0.03	0.098	IO					1.61
76.667	0.00	0.03	0.098	IO					1.61
76.750	0.00	0.03	0.098	IO					1.61
76.833	0.00	0.03	0.097	IO					1.61

76.917	0.00	0.03	0.097	IO					1.60
77.000	0.00	0.03	0.097	IO					1.60
77.083	0.00	0.03	0.097	IO					1.60
77.167	0.00	0.03	0.096	IO					1.59
77.250	0.00	0.03	0.096	IO					1.59
77.333	0.00	0.03	0.096	IO					1.59
77.417	0.00	0.03	0.096	IO					1.58
77.500	0.00	0.03	0.096	IO					1.58
77.583	0.00	0.03	0.095	IO					1.58
77.667	0.00	0.03	0.095	IO					1.58
77.750	0.00	0.03	0.095	IO					1.57
77.833	0.00	0.03	0.095	IO					1.57
77.917	0.00	0.03	0.094	IO					1.57
78.000	0.00	0.03	0.094	IO					1.56
78.083	0.00	0.03	0.094	IO					1.56
78.167	0.00	0.03	0.094	IO					1.56
78.250	0.00	0.03	0.093	IO					1.56
78.333	0.00	0.03	0.093	IO					1.55
78.417	0.00	0.03	0.093	IO					1.55
78.500	0.00	0.03	0.093	IO					1.55
78.583	0.00	0.03	0.092	IO					1.54
78.667	0.00	0.03	0.092	IO					1.54
78.750	0.00	0.03	0.092	IO					1.54
78.833	0.00	0.03	0.092	IO					1.53
78.917	0.00	0.03	0.092	IO					1.53
79.000	0.00	0.03	0.091	IO					1.53
79.083	0.00	0.03	0.091	IO					1.53
79.167	0.00	0.03	0.091	IO					1.52
79.250	0.00	0.03	0.091	IO					1.52
79.333	0.00	0.03	0.090	IO					1.52
79.417	0.00	0.03	0.090	IO					1.51
79.500	0.00	0.03	0.090	IO					1.51
79.583	0.00	0.03	0.090	IO					1.51
79.667	0.00	0.03	0.089	IO					1.51
79.750	0.00	0.03	0.089	IO					1.50
79.833	0.00	0.03	0.089	IO					1.50
79.917	0.00	0.03	0.089	IO					1.50
80.000	0.00	0.03	0.089	IO					1.49
80.083	0.00	0.03	0.088	IO					1.49
80.167	0.00	0.03	0.088	IO					1.49
80.250	0.00	0.03	0.088	IO					1.49
80.333	0.00	0.03	0.088	IO					1.48
80.417	0.00	0.03	0.087	IO					1.48
80.500	0.00	0.03	0.087	IO					1.48
80.583	0.00	0.03	0.087	IO					1.47
80.667	0.00	0.03	0.087	IO					1.47
80.750	0.00	0.03	0.086	IO					1.47
80.833	0.00	0.03	0.086	IO					1.47
80.917	0.00	0.03	0.086	IO					1.46
81.000	0.00	0.03	0.086	IO					1.46

81.083	0.00	0.03	0.086	IO					1.46
81.167	0.00	0.03	0.085	IO					1.45
81.250	0.00	0.03	0.085	IO					1.45
81.333	0.00	0.03	0.085	IO					1.45
81.417	0.00	0.03	0.085	IO					1.45
81.500	0.00	0.03	0.084	IO					1.44
81.583	0.00	0.03	0.084	IO					1.44
81.667	0.00	0.03	0.084	IO					1.44
81.750	0.00	0.03	0.084	IO					1.43
81.833	0.00	0.03	0.084	IO					1.43
81.917	0.00	0.03	0.083	IO					1.43
82.000	0.00	0.03	0.083	IO					1.43
82.083	0.00	0.03	0.083	IO					1.42
82.167	0.00	0.03	0.083	IO					1.42
82.250	0.00	0.03	0.082	IO					1.42
82.333	0.00	0.03	0.082	IO					1.41
82.417	0.00	0.03	0.082	IO					1.41
82.500	0.00	0.03	0.082	IO					1.41
82.583	0.00	0.03	0.081	IO					1.41
82.667	0.00	0.03	0.081	IO					1.40
82.750	0.00	0.03	0.081	IO					1.40
82.833	0.00	0.03	0.081	IO					1.40
82.917	0.00	0.03	0.081	IO					1.39
83.000	0.00	0.03	0.080	IO					1.39
83.083	0.00	0.03	0.080	IO					1.39
83.167	0.00	0.03	0.080	IO					1.39
83.250	0.00	0.03	0.080	IO					1.38
83.333	0.00	0.03	0.079	IO					1.38
83.417	0.00	0.03	0.079	IO					1.38
83.500	0.00	0.03	0.079	IO					1.38
83.583	0.00	0.03	0.079	IO					1.37
83.667	0.00	0.03	0.079	IO					1.37
83.750	0.00	0.03	0.078	IO					1.37
83.833	0.00	0.03	0.078	IO					1.36
83.917	0.00	0.03	0.078	IO					1.36
84.000	0.00	0.03	0.078	IO					1.36
84.083	0.00	0.03	0.077	IO					1.36
84.167	0.00	0.03	0.077	IO					1.35
84.250	0.00	0.03	0.077	IO					1.35
84.333	0.00	0.03	0.077	IO					1.35
84.417	0.00	0.03	0.077	IO					1.35
84.500	0.00	0.03	0.076	IO					1.34
84.583	0.00	0.03	0.076	IO					1.34
84.667	0.00	0.03	0.076	IO					1.34
84.750	0.00	0.03	0.076	IO					1.33
84.833	0.00	0.03	0.076	IO					1.33
84.917	0.00	0.03	0.075	IO					1.33
85.000	0.00	0.03	0.075	IO					1.33
85.083	0.00	0.03	0.075	IO					1.32
85.167	0.00	0.03	0.075	IO					1.32

85.250	0.00	0.03	0.074	IO					1.32
85.333	0.00	0.03	0.074	IO					1.32
85.417	0.00	0.03	0.074	IO					1.31
85.500	0.00	0.03	0.074	IO					1.31
85.583	0.00	0.03	0.074	IO					1.31
85.667	0.00	0.03	0.073	IO					1.30
85.750	0.00	0.03	0.073	IO					1.30
85.833	0.00	0.03	0.073	IO					1.30
85.917	0.00	0.03	0.073	IO					1.30
86.000	0.00	0.03	0.072	IO					1.29
86.083	0.00	0.03	0.072	IO					1.29
86.167	0.00	0.03	0.072	IO					1.29
86.250	0.00	0.03	0.072	IO					1.29
86.333	0.00	0.03	0.072	IO					1.28
86.417	0.00	0.03	0.071	IO					1.28
86.500	0.00	0.03	0.071	IO					1.28
86.583	0.00	0.03	0.071	IO					1.27
86.667	0.00	0.03	0.071	IO					1.27
86.750	0.00	0.03	0.071	IO					1.27
86.833	0.00	0.03	0.070	IO					1.27
86.917	0.00	0.03	0.070	IO					1.26
87.000	0.00	0.03	0.070	IO					1.26
87.083	0.00	0.03	0.070	IO					1.26
87.167	0.00	0.03	0.070	IO					1.26
87.250	0.00	0.03	0.069	IO					1.25
87.333	0.00	0.03	0.069	IO					1.25
87.417	0.00	0.03	0.069	IO					1.25
87.500	0.00	0.03	0.069	IO					1.25
87.583	0.00	0.03	0.068	IO					1.24
87.667	0.00	0.03	0.068	IO					1.24
87.750	0.00	0.03	0.068	IO					1.24
87.833	0.00	0.03	0.068	IO					1.24
87.917	0.00	0.03	0.068	IO					1.23
88.000	0.00	0.03	0.067	IO					1.23
88.083	0.00	0.03	0.067	IO					1.23
88.167	0.00	0.03	0.067	IO					1.22
88.250	0.00	0.03	0.067	IO					1.22
88.333	0.00	0.03	0.067	IO					1.22
88.417	0.00	0.03	0.066	IO					1.22
88.500	0.00	0.03	0.066	IO					1.21
88.583	0.00	0.03	0.066	IO					1.21
88.667	0.00	0.03	0.066	IO					1.21
88.750	0.00	0.03	0.066	IO					1.21
88.833	0.00	0.03	0.065	IO					1.20
88.917	0.00	0.03	0.065	IO					1.20
89.000	0.00	0.03	0.065	IO					1.20
89.083	0.00	0.03	0.065	IO					1.20
89.167	0.00	0.03	0.064	IO					1.19
89.250	0.00	0.03	0.064	IO					1.19
89.333	0.00	0.03	0.064	IO					1.19

89.417	0.00	0.03	0.064	IO					1.19
89.500	0.00	0.03	0.064	IO					1.18
89.583	0.00	0.03	0.063	IO					1.18
89.667	0.00	0.03	0.063	IO					1.18
89.750	0.00	0.03	0.063	IO					1.18
89.833	0.00	0.03	0.063	IO					1.17
89.917	0.00	0.03	0.063	IO					1.17
90.000	0.00	0.03	0.062	IO					1.17
90.083	0.00	0.03	0.062	IO					1.16
90.167	0.00	0.03	0.062	IO					1.16
90.250	0.00	0.03	0.062	IO					1.16
90.333	0.00	0.03	0.062	IO					1.16
90.417	0.00	0.03	0.061	IO					1.15
90.500	0.00	0.03	0.061	IO					1.15
90.583	0.00	0.03	0.061	IO					1.15
90.667	0.00	0.03	0.061	IO					1.15
90.750	0.00	0.03	0.061	IO					1.14
90.833	0.00	0.03	0.060	IO					1.14
90.917	0.00	0.03	0.060	IO					1.14
91.000	0.00	0.03	0.060	IO					1.14
91.083	0.00	0.03	0.060	IO					1.13
91.167	0.00	0.03	0.060	IO					1.13
91.250	0.00	0.03	0.059	IO					1.13
91.333	0.00	0.03	0.059	IO					1.13
91.417	0.00	0.03	0.059	IO					1.12
91.500	0.00	0.03	0.059	IO					1.12
91.583	0.00	0.03	0.059	IO					1.12
91.667	0.00	0.03	0.058	IO					1.12
91.750	0.00	0.03	0.058	IO					1.11
91.833	0.00	0.03	0.058	IO					1.11
91.917	0.00	0.03	0.058	IO					1.11
92.000	0.00	0.03	0.058	IO					1.11
92.083	0.00	0.03	0.057	IO					1.10
92.167	0.00	0.03	0.057	IO					1.10
92.250	0.00	0.03	0.057	IO					1.10
92.333	0.00	0.03	0.057	IO					1.10
92.417	0.00	0.03	0.057	IO					1.09
92.500	0.00	0.03	0.056	IO					1.09
92.583	0.00	0.03	0.056	IO					1.09
92.667	0.00	0.03	0.056	IO					1.09
92.750	0.00	0.03	0.056	IO					1.08
92.833	0.00	0.03	0.056	IO					1.08
92.917	0.00	0.03	0.055	IO					1.08
93.000	0.00	0.03	0.055	IO					1.08
93.083	0.00	0.03	0.055	IO					1.07
93.167	0.00	0.03	0.055	IO					1.07
93.250	0.00	0.03	0.055	IO					1.07
93.333	0.00	0.03	0.054	IO					1.07
93.417	0.00	0.03	0.054	IO					1.06
93.500	0.00	0.03	0.054	IO					1.06

93.583	0.00	0.03	0.054	IO					1.06
93.667	0.00	0.03	0.054	IO					1.06
93.750	0.00	0.03	0.053	IO					1.05
93.833	0.00	0.03	0.053	IO					1.05
93.917	0.00	0.03	0.053	IO					1.05
94.000	0.00	0.03	0.053	IO					1.05
94.083	0.00	0.03	0.053	IO					1.04
94.167	0.00	0.03	0.052	IO					1.04
94.250	0.00	0.03	0.052	IO					1.04
94.333	0.00	0.03	0.052	IO					1.04
94.417	0.00	0.03	0.052	IO					1.03
94.500	0.00	0.03	0.052	IO					1.03
94.583	0.00	0.03	0.051	IO					1.03
94.667	0.00	0.03	0.051	IO					1.03
94.750	0.00	0.03	0.051	IO					1.02
94.833	0.00	0.03	0.051	IO					1.02
94.917	0.00	0.03	0.051	IO					1.02
95.000	0.00	0.03	0.050	IO					1.02
95.083	0.00	0.03	0.050	IO					1.02
95.167	0.00	0.03	0.050	IO					1.01
95.250	0.00	0.03	0.050	IO					1.01
95.333	0.00	0.03	0.050	IO					1.01
95.417	0.00	0.03	0.049	IO					1.01
95.500	0.00	0.03	0.049	IO					1.00
95.583	0.00	0.03	0.049	IO					1.00
95.667	0.00	0.03	0.049	IO					1.00
95.750	0.00	0.03	0.049	IO					0.99
95.833	0.00	0.03	0.048	IO					0.99
95.917	0.00	0.03	0.048	IO					0.99
96.000	0.00	0.03	0.048	IO					0.98
96.083	0.00	0.03	0.048	IO					0.98
96.167	0.00	0.03	0.048	IO					0.98
96.250	0.00	0.03	0.048	IO					0.97
96.333	0.00	0.03	0.047	IO					0.97
96.417	0.00	0.03	0.047	IO					0.96
96.500	0.00	0.03	0.047	IO					0.96
96.583	0.00	0.03	0.047	IO					0.96
96.667	0.00	0.03	0.047	IO					0.95
96.750	0.00	0.03	0.046	IO					0.95
96.833	0.00	0.03	0.046	IO					0.95
96.917	0.00	0.03	0.046	IO					0.94
97.000	0.00	0.03	0.046	IO					0.94
97.083	0.00	0.03	0.046	IO					0.94
97.167	0.00	0.03	0.046	IO					0.93
97.250	0.00	0.03	0.045	IO					0.93
97.333	0.00	0.03	0.045	IO					0.93
97.417	0.00	0.03	0.045	IO					0.92
97.500	0.00	0.03	0.045	IO					0.92
97.583	0.00	0.03	0.045	IO					0.92
97.667	0.00	0.03	0.044	IO					0.91

97.750	0.00	0.03	0.044	IO					0.91
97.833	0.00	0.03	0.044	IO					0.91
97.917	0.00	0.03	0.044	IO					0.90
98.000	0.00	0.03	0.044	IO					0.90
98.083	0.00	0.03	0.044	IO					0.90
98.167	0.00	0.03	0.043	IO					0.89
98.250	0.00	0.03	0.043	IO					0.89
98.333	0.00	0.03	0.043	IO					0.89
98.417	0.00	0.03	0.043	IO					0.88
98.500	0.00	0.03	0.043	IO					0.88
98.583	0.00	0.02	0.042	IO					0.88
98.667	0.00	0.02	0.042	IO					0.87
98.750	0.00	0.02	0.042	IO					0.87
98.833	0.00	0.02	0.042	IO					0.87
98.917	0.00	0.02	0.042	IO					0.86
99.000	0.00	0.02	0.042	IO					0.86
99.083	0.00	0.02	0.041	IO					0.86
99.167	0.00	0.02	0.041	IO					0.85
99.250	0.00	0.02	0.041	IO					0.85
99.333	0.00	0.02	0.041	IO					0.85
99.417	0.00	0.02	0.041	IO					0.84
99.500	0.00	0.02	0.041	IO					0.84
99.583	0.00	0.02	0.040	IO					0.84
99.667	0.00	0.02	0.040	IO					0.83
99.750	0.00	0.02	0.040	IO					0.83
99.833	0.00	0.02	0.040	IO					0.83
99.917	0.00	0.02	0.040	IO					0.82
100.000	0.00	0.02	0.040	IO					0.82
100.083	0.00	0.02	0.039	IO					0.82
100.167	0.00	0.02	0.039	IO					0.81
100.250	0.00	0.02	0.039	IO					0.81
100.333	0.00	0.02	0.039	IO					0.81
100.417	0.00	0.02	0.039	IO					0.81
100.500	0.00	0.02	0.039	IO					0.80
100.583	0.00	0.02	0.039	IO					0.80
100.667	0.00	0.02	0.038	IO					0.80
100.750	0.00	0.02	0.038	IO					0.79
100.833	0.00	0.02	0.038	IO					0.79
100.917	0.00	0.02	0.038	IO					0.79
101.000	0.00	0.02	0.038	IO					0.78
101.083	0.00	0.02	0.038	IO					0.78
101.167	0.00	0.02	0.037	IO					0.78
101.250	0.00	0.02	0.037	IO					0.78
101.333	0.00	0.02	0.037	IO					0.77
101.417	0.00	0.02	0.037	IO					0.77
101.500	0.00	0.02	0.037	IO					0.77
101.583	0.00	0.02	0.037	IO					0.76
101.667	0.00	0.02	0.037	IO					0.76
101.750	0.00	0.02	0.036	IO					0.76
101.833	0.00	0.02	0.036	IO					0.75

101.917	0.00	0.02	0.036	IO					0.75
102.000	0.00	0.02	0.036	IO					0.75
102.083	0.00	0.02	0.036	IO					0.75
102.167	0.00	0.02	0.036	IO					0.74
102.250	0.00	0.02	0.035	IO					0.74
102.333	0.00	0.02	0.035	IO					0.74
102.417	0.00	0.02	0.035	IO					0.73
102.500	0.00	0.02	0.035	IO					0.73
102.583	0.00	0.02	0.035	IO					0.73
102.667	0.00	0.02	0.035	IO					0.73
102.750	0.00	0.02	0.035	IO					0.72
102.833	0.00	0.02	0.034	IO					0.72
102.917	0.00	0.02	0.034	IO					0.72
103.000	0.00	0.02	0.034	IO					0.72
103.083	0.00	0.02	0.034	IO					0.71
103.167	0.00	0.02	0.034	IO					0.71
103.250	0.00	0.02	0.034	IO					0.71
103.333	0.00	0.02	0.034	IO					0.70
103.417	0.00	0.02	0.033	IO					0.70
103.500	0.00	0.02	0.033	IO					0.70
103.583	0.00	0.02	0.033	IO					0.70
103.667	0.00	0.02	0.033	IO					0.69
103.750	0.00	0.02	0.033	IO					0.69
103.833	0.00	0.02	0.033	IO					0.69
103.917	0.00	0.02	0.033	IO					0.69
104.000	0.00	0.02	0.032	IO					0.68
104.083	0.00	0.02	0.032	IO					0.68
104.167	0.00	0.02	0.032	IO					0.68
104.250	0.00	0.02	0.032	IO					0.67
104.333	0.00	0.02	0.032	IO					0.67
104.417	0.00	0.02	0.032	IO					0.67
104.500	0.00	0.02	0.032	IO					0.67
104.583	0.00	0.02	0.031	IO					0.66
104.667	0.00	0.02	0.031	IO					0.66
104.750	0.00	0.02	0.031	IO					0.66
104.833	0.00	0.02	0.031	IO					0.66
104.917	0.00	0.02	0.031	IO					0.65
105.000	0.00	0.02	0.031	IO					0.65
105.083	0.00	0.02	0.031	IO					0.65
105.167	0.00	0.02	0.031	IO					0.65
105.250	0.00	0.02	0.030	IO					0.64
105.333	0.00	0.02	0.030	IO					0.64
105.417	0.00	0.02	0.030	IO					0.64
105.500	0.00	0.02	0.030	IO					0.64
105.583	0.00	0.02	0.030	IO					0.63
105.667	0.00	0.02	0.030	IO					0.63
105.750	0.00	0.02	0.030	IO					0.63
105.833	0.00	0.02	0.029	IO					0.63
105.917	0.00	0.02	0.029	IO					0.62
106.000	0.00	0.02	0.029	IO					0.62

106.083	0.00	0.02	0.029	0					0.62
106.167	0.00	0.02	0.029	0					0.62
106.250	0.00	0.02	0.029	0					0.61
106.333	0.00	0.02	0.029	0					0.61
106.417	0.00	0.02	0.029	0					0.61
106.500	0.00	0.02	0.028	0					0.61
106.583	0.00	0.02	0.028	0					0.60
106.667	0.00	0.02	0.028	0					0.60
106.750	0.00	0.02	0.028	0					0.60
106.833	0.00	0.02	0.028	0					0.60
106.917	0.00	0.02	0.028	0					0.59
107.000	0.00	0.02	0.028	0					0.59
107.083	0.00	0.02	0.028	0					0.59
107.167	0.00	0.02	0.027	0					0.59
107.250	0.00	0.02	0.027	0					0.58
107.333	0.00	0.02	0.027	0					0.58
107.417	0.00	0.02	0.027	0					0.58
107.500	0.00	0.02	0.027	0					0.58
107.583	0.00	0.02	0.027	0					0.58
107.667	0.00	0.02	0.027	0					0.57
107.750	0.00	0.02	0.027	0					0.57
107.833	0.00	0.02	0.026	0					0.57
107.917	0.00	0.02	0.026	0					0.57
108.000	0.00	0.02	0.026	0					0.56
108.083	0.00	0.02	0.026	0					0.56
108.167	0.00	0.02	0.026	0					0.56
108.250	0.00	0.02	0.026	0					0.56
108.333	0.00	0.02	0.026	0					0.55
108.417	0.00	0.02	0.026	0					0.55
108.500	0.00	0.02	0.026	0					0.55
108.583	0.00	0.02	0.025	0					0.55
108.667	0.00	0.02	0.025	0					0.55
108.750	0.00	0.02	0.025	0					0.54
108.833	0.00	0.02	0.025	0					0.54
108.917	0.00	0.02	0.025	0					0.54
109.000	0.00	0.02	0.025	0					0.54
109.083	0.00	0.02	0.025	0					0.53
109.167	0.00	0.02	0.025	0					0.53
109.250	0.00	0.02	0.024	0					0.53
109.333	0.00	0.02	0.024	0					0.53
109.417	0.00	0.02	0.024	0					0.53
109.500	0.00	0.02	0.024	0					0.52
109.583	0.00	0.02	0.024	0					0.52
109.667	0.00	0.02	0.024	0					0.52
109.750	0.00	0.02	0.024	0					0.52
109.833	0.00	0.02	0.024	0					0.52
109.917	0.00	0.02	0.024	0					0.51
110.000	0.00	0.02	0.023	0					0.51
110.083	0.00	0.02	0.023	0					0.51
110.167	0.00	0.02	0.023	0					0.51

110.250	0.00	0.02	0.023	0					0.50
110.333	0.00	0.02	0.023	0					0.50
110.417	0.00	0.02	0.023	0					0.50
110.500	0.00	0.02	0.023	0					0.50
110.583	0.00	0.02	0.023	0					0.50
110.667	0.00	0.02	0.023	0					0.49
110.750	0.00	0.02	0.022	0					0.49
110.833	0.00	0.02	0.022	0					0.49
110.917	0.00	0.02	0.022	0					0.49
111.000	0.00	0.02	0.022	0					0.49
111.083	0.00	0.02	0.022	0					0.48
111.167	0.00	0.02	0.022	0					0.48
111.250	0.00	0.02	0.022	0					0.48
111.333	0.00	0.02	0.022	0					0.48
111.417	0.00	0.02	0.022	0					0.48
111.500	0.00	0.02	0.022	0					0.47
111.583	0.00	0.02	0.021	0					0.47
111.667	0.00	0.02	0.021	0					0.47
111.750	0.00	0.01	0.021	0					0.47
111.833	0.00	0.01	0.021	0					0.47
111.917	0.00	0.01	0.021	0					0.46
112.000	0.00	0.01	0.021	0					0.46
112.083	0.00	0.01	0.021	0					0.46
112.167	0.00	0.01	0.021	0					0.46
112.250	0.00	0.01	0.021	0					0.46
112.333	0.00	0.01	0.021	0					0.45
112.417	0.00	0.01	0.020	0					0.45
112.500	0.00	0.01	0.020	0					0.45
112.583	0.00	0.01	0.020	0					0.45
112.667	0.00	0.01	0.020	0					0.45
112.750	0.00	0.01	0.020	0					0.44
112.833	0.00	0.01	0.020	0					0.44
112.917	0.00	0.01	0.020	0					0.44
113.000	0.00	0.01	0.020	0					0.44
113.083	0.00	0.01	0.020	0					0.44
113.167	0.00	0.01	0.020	0					0.44
113.250	0.00	0.01	0.019	0					0.43
113.333	0.00	0.01	0.019	0					0.43
113.417	0.00	0.01	0.019	0					0.43
113.500	0.00	0.01	0.019	0					0.43
113.583	0.00	0.01	0.019	0					0.43
113.667	0.00	0.01	0.019	0					0.42
113.750	0.00	0.01	0.019	0					0.42
113.833	0.00	0.01	0.019	0					0.42
113.917	0.00	0.01	0.019	0					0.42
114.000	0.00	0.01	0.019	0					0.42
114.083	0.00	0.01	0.018	0					0.42
114.167	0.00	0.01	0.018	0					0.41
114.250	0.00	0.01	0.018	0					0.41
114.333	0.00	0.01	0.018	0					0.41

114.417	0.00	0.01	0.018	0					0.41
114.500	0.00	0.01	0.018	0					0.41
114.583	0.00	0.01	0.018	0					0.40
114.667	0.00	0.01	0.018	0					0.40
114.750	0.00	0.01	0.018	0					0.40
114.833	0.00	0.01	0.018	0					0.40
114.917	0.00	0.01	0.018	0					0.40
115.000	0.00	0.01	0.017	0					0.40
115.083	0.00	0.01	0.017	0					0.39
115.167	0.00	0.01	0.017	0					0.39
115.250	0.00	0.01	0.017	0					0.39
115.333	0.00	0.01	0.017	0					0.39
115.417	0.00	0.01	0.017	0					0.39
115.500	0.00	0.01	0.017	0					0.39
115.583	0.00	0.01	0.017	0					0.38
115.667	0.00	0.01	0.017	0					0.38
115.750	0.00	0.01	0.017	0					0.38
115.833	0.00	0.01	0.017	0					0.38
115.917	0.00	0.01	0.016	0					0.38
116.000	0.00	0.01	0.016	0					0.38
116.083	0.00	0.01	0.016	0					0.37
116.167	0.00	0.01	0.016	0					0.37
116.250	0.00	0.01	0.016	0					0.37
116.333	0.00	0.01	0.016	0					0.37
116.417	0.00	0.01	0.016	0					0.37
116.500	0.00	0.01	0.016	0					0.37
116.583	0.00	0.01	0.016	0					0.36
116.667	0.00	0.01	0.016	0					0.36
116.750	0.00	0.01	0.016	0					0.36
116.833	0.00	0.01	0.016	0					0.36
116.917	0.00	0.01	0.015	0					0.36
117.000	0.00	0.01	0.015	0					0.36
117.083	0.00	0.01	0.015	0					0.35
117.167	0.00	0.01	0.015	0					0.35
117.250	0.00	0.01	0.015	0					0.35
117.333	0.00	0.01	0.015	0					0.35
117.417	0.00	0.01	0.015	0					0.35
117.500	0.00	0.01	0.015	0					0.35
117.583	0.00	0.01	0.015	0					0.34
117.667	0.00	0.01	0.015	0					0.34
117.750	0.00	0.01	0.015	0					0.34
117.833	0.00	0.01	0.015	0					0.34
117.917	0.00	0.01	0.014	0					0.34
118.000	0.00	0.01	0.014	0					0.34
118.083	0.00	0.01	0.014	0					0.33
118.167	0.00	0.01	0.014	0					0.33
118.250	0.00	0.01	0.014	0					0.33
118.333	0.00	0.01	0.014	0					0.33
118.417	0.00	0.01	0.014	0					0.33
118.500	0.00	0.01	0.014	0					0.33

118.583	0.00	0.01	0.014	0					0.33
118.667	0.00	0.01	0.014	0					0.32
118.750	0.00	0.01	0.014	0					0.32
118.833	0.00	0.01	0.014	0					0.32
118.917	0.00	0.01	0.013	0					0.32
119.000	0.00	0.01	0.013	0					0.32
119.083	0.00	0.01	0.013	0					0.32
119.167	0.00	0.01	0.013	0					0.32
119.250	0.00	0.01	0.013	0					0.31
119.333	0.00	0.01	0.013	0					0.31
119.417	0.00	0.01	0.013	0					0.31
119.500	0.00	0.01	0.013	0					0.31
119.583	0.00	0.01	0.013	0					0.31
119.667	0.00	0.01	0.013	0					0.31
119.750	0.00	0.01	0.013	0					0.30
119.833	0.00	0.01	0.013	0					0.30
119.917	0.00	0.01	0.013	0					0.30
120.000	0.00	0.01	0.012	0					0.30
120.083	0.00	0.01	0.012	0					0.30
120.167	0.00	0.01	0.012	0					0.30
120.250	0.00	0.01	0.012	0					0.30
120.333	0.00	0.01	0.012	0					0.29
120.417	0.00	0.01	0.012	0					0.29
120.500	0.00	0.01	0.012	0					0.29
120.583	0.00	0.01	0.012	0					0.29
120.667	0.00	0.01	0.012	0					0.29
120.750	0.00	0.01	0.012	0					0.29
120.833	0.00	0.01	0.012	0					0.29
120.917	0.00	0.01	0.012	0					0.28
121.000	0.00	0.01	0.012	0					0.28
121.083	0.00	0.01	0.012	0					0.28
121.167	0.00	0.01	0.011	0					0.28
121.250	0.00	0.01	0.011	0					0.28
121.333	0.00	0.01	0.011	0					0.28
121.417	0.00	0.01	0.011	0					0.28
121.500	0.00	0.01	0.011	0					0.28
121.583	0.00	0.01	0.011	0					0.27
121.667	0.00	0.01	0.011	0					0.27
121.750	0.00	0.01	0.011	0					0.27
121.833	0.00	0.01	0.011	0					0.27
121.917	0.00	0.01	0.011	0					0.27
122.000	0.00	0.01	0.011	0					0.27
122.083	0.00	0.01	0.011	0					0.27
122.167	0.00	0.01	0.011	0					0.26
122.250	0.00	0.01	0.011	0					0.26
122.333	0.00	0.01	0.010	0					0.26
122.417	0.00	0.01	0.010	0					0.26
122.500	0.00	0.01	0.010	0					0.26
122.583	0.00	0.01	0.010	0					0.26
122.667	0.00	0.01	0.010	0					0.26

122.750	0.00	0.01	0.010	0					0.26
122.833	0.00	0.01	0.010	0					0.25
122.917	0.00	0.01	0.010	0					0.25
123.000	0.00	0.01	0.010	0					0.25
123.083	0.00	0.01	0.010	0					0.25
123.167	0.00	0.01	0.010	0					0.25
123.250	0.00	0.01	0.010	0					0.25
123.333	0.00	0.01	0.010	0					0.25
123.417	0.00	0.01	0.010	0					0.25
123.500	0.00	0.01	0.010	0					0.24
123.583	0.00	0.01	0.009	0					0.24
123.667	0.00	0.01	0.009	0					0.24
123.750	0.00	0.01	0.009	0					0.24
123.833	0.00	0.01	0.009	0					0.24
123.917	0.00	0.01	0.009	0					0.24
124.000	0.00	0.01	0.009	0					0.24
124.083	0.00	0.01	0.009	0					0.24
124.167	0.00	0.01	0.009	0					0.23
124.250	0.00	0.01	0.009	0					0.23
124.333	0.00	0.01	0.009	0					0.23
124.417	0.00	0.01	0.009	0					0.23
124.500	0.00	0.01	0.009	0					0.23
124.583	0.00	0.01	0.009	0					0.23
124.667	0.00	0.01	0.009	0					0.23
124.750	0.00	0.01	0.009	0					0.23
124.833	0.00	0.01	0.008	0					0.22
124.917	0.00	0.01	0.008	0					0.22
125.000	0.00	0.01	0.008	0					0.22
125.083	0.00	0.01	0.008	0					0.22
125.167	0.00	0.01	0.008	0					0.22
125.250	0.00	0.01	0.008	0					0.22
125.333	0.00	0.01	0.008	0					0.22
125.417	0.00	0.01	0.008	0					0.22
125.500	0.00	0.01	0.008	0					0.21
125.583	0.00	0.01	0.008	0					0.21
125.667	0.00	0.01	0.008	0					0.21
125.750	0.00	0.01	0.008	0					0.21
125.833	0.00	0.01	0.008	0					0.21
125.917	0.00	0.01	0.008	0					0.21
126.000	0.00	0.01	0.008	0					0.21
126.083	0.00	0.01	0.008	0					0.21
126.167	0.00	0.01	0.008	0					0.21
126.250	0.00	0.01	0.007	0					0.20
126.333	0.00	0.01	0.007	0					0.20
126.417	0.00	0.01	0.007	0					0.20
126.500	0.00	0.01	0.007	0					0.20
126.583	0.00	0.01	0.007	0					0.20
126.667	0.00	0.01	0.007	0					0.20
126.750	0.00	0.01	0.007	0					0.20
126.833	0.00	0.01	0.007	0					0.20

126.917	0.00	0.01	0.007	0					0.20
127.000	0.00	0.01	0.007	0					0.19
127.083	0.00	0.01	0.007	0					0.19
127.167	0.00	0.01	0.007	0					0.19
127.250	0.00	0.01	0.007	0					0.19
127.333	0.00	0.01	0.007	0					0.19
127.417	0.00	0.01	0.007	0					0.19
127.500	0.00	0.01	0.007	0					0.19
127.583	0.00	0.01	0.007	0					0.19
127.667	0.00	0.01	0.006	0					0.19
127.750	0.00	0.01	0.006	0					0.18
127.833	0.00	0.01	0.006	0					0.18
127.917	0.00	0.01	0.006	0					0.18
128.000	0.00	0.01	0.006	0					0.18
128.083	0.00	0.01	0.006	0					0.18
128.167	0.00	0.01	0.006	0					0.18
128.250	0.00	0.01	0.006	0					0.18
128.333	0.00	0.01	0.006	0					0.18
128.417	0.00	0.01	0.006	0					0.18
128.500	0.00	0.01	0.006	0					0.18
128.583	0.00	0.01	0.006	0					0.17
128.667	0.00	0.01	0.006	0					0.17
128.750	0.00	0.01	0.006	0					0.17
128.833	0.00	0.01	0.006	0					0.17
128.917	0.00	0.01	0.006	0					0.17
129.000	0.00	0.01	0.006	0					0.17
129.083	0.00	0.01	0.006	0					0.17
129.167	0.00	0.01	0.006	0					0.17
129.250	0.00	0.01	0.005	0					0.17
129.333	0.00	0.01	0.005	0					0.17
129.417	0.00	0.01	0.005	0					0.16
129.500	0.00	0.01	0.005	0					0.16
129.583	0.00	0.01	0.005	0					0.16
129.667	0.00	0.01	0.005	0					0.16
129.750	0.00	0.01	0.005	0					0.16
129.833	0.00	0.01	0.005	0					0.16
129.917	0.00	0.01	0.005	0					0.16
130.000	0.00	0.01	0.005	0					0.16
130.083	0.00	0.01	0.005	0					0.16
130.167	0.00	0.01	0.005	0					0.16
130.250	0.00	0.01	0.005	0					0.15
130.333	0.00	0.01	0.005	0					0.15
130.417	0.00	0.01	0.005	0					0.15
130.500	0.00	0.01	0.005	0					0.15
130.583	0.00	0.01	0.005	0					0.15
130.667	0.00	0.01	0.005	0					0.15
130.750	0.00	0.01	0.005	0					0.15
130.833	0.00	0.01	0.004	0					0.15
130.917	0.00	0.01	0.004	0					0.15
131.000	0.00	0.01	0.004	0					0.15

131.083	0.00	0.01	0.004	0					0.14
131.167	0.00	0.01	0.004	0					0.14
131.250	0.00	0.01	0.004	0					0.14
131.333	0.00	0.01	0.004	0					0.14
131.417	0.00	0.01	0.004	0					0.14
131.500	0.00	0.01	0.004	0					0.14
131.583	0.00	0.01	0.004	0					0.14
131.667	0.00	0.01	0.004	0					0.14
131.750	0.00	0.01	0.004	0					0.14
131.833	0.00	0.01	0.004	0					0.14
131.917	0.00	0.01	0.004	0					0.14
132.000	0.00	0.01	0.004	0					0.13
132.083	0.00	0.01	0.004	0					0.13
132.167	0.00	0.01	0.004	0					0.13
132.250	0.00	0.01	0.004	0					0.13
132.333	0.00	0.01	0.004	0					0.13
132.417	0.00	0.01	0.004	0					0.13
132.500	0.00	0.01	0.004	0					0.13
132.583	0.00	0.01	0.003	0					0.13
132.667	0.00	0.01	0.003	0					0.13
132.750	0.00	0.01	0.003	0					0.13
132.833	0.00	0.01	0.003	0					0.13
132.917	0.00	0.01	0.003	0					0.13
133.000	0.00	0.01	0.003	0					0.12
133.083	0.00	0.01	0.003	0					0.12
133.167	0.00	0.01	0.003	0					0.12
133.250	0.00	0.01	0.003	0					0.12
133.333	0.00	0.01	0.003	0					0.12
133.417	0.00	0.01	0.003	0					0.12
133.500	0.00	0.01	0.003	0					0.12
133.583	0.00	0.01	0.003	0					0.12
133.667	0.00	0.01	0.003	0					0.12
133.750	0.00	0.01	0.003	0					0.12
133.833	0.00	0.01	0.003	0					0.12
133.917	0.00	0.01	0.003	0					0.11
134.000	0.00	0.01	0.003	0					0.11
134.083	0.00	0.01	0.003	0					0.11
134.167	0.00	0.01	0.003	0					0.11
134.250	0.00	0.01	0.003	0					0.11
134.333	0.00	0.01	0.003	0					0.11
134.417	0.00	0.01	0.003	0					0.11
134.500	0.00	0.01	0.002	0					0.11
134.583	0.00	0.01	0.002	0					0.11
134.667	0.00	0.01	0.002	0					0.11
134.750	0.00	0.01	0.002	0					0.11
134.833	0.00	0.01	0.002	0					0.11
134.917	0.00	0.01	0.002	0					0.10
135.000	0.00	0.01	0.002	0					0.10
135.083	0.00	0.01	0.002	0					0.10
135.167	0.00	0.01	0.002	0					0.10

135.250	0.00	0.01	0.002	0					0.10
135.333	0.00	0.01	0.002	0					0.10
135.417	0.00	0.01	0.002	0					0.10
135.500	0.00	0.01	0.002	0					0.10
135.583	0.00	0.01	0.002	0					0.10
135.667	0.00	0.01	0.002	0					0.09
135.750	0.00	0.01	0.002	0					0.09
135.833	0.00	0.01	0.002	0					0.09
135.917	0.00	0.01	0.002	0					0.09
136.000	0.00	0.01	0.002	0					0.09
136.083	0.00	0.01	0.002	0					0.09
136.167	0.00	0.00	0.002	0					0.08
136.250	0.00	0.00	0.002	0					0.08
136.333	0.00	0.00	0.002	0					0.08
136.417	0.00	0.00	0.002	0					0.08
136.500	0.00	0.00	0.002	0					0.08
136.583	0.00	0.00	0.002	0					0.08
136.667	0.00	0.00	0.001	0					0.07
136.750	0.00	0.00	0.001	0					0.07
136.833	0.00	0.00	0.001	0					0.07
136.917	0.00	0.00	0.001	0					0.07
137.000	0.00	0.00	0.001	0					0.07
137.083	0.00	0.00	0.001	0					0.07
137.167	0.00	0.00	0.001	0					0.07
137.250	0.00	0.00	0.001	0					0.06
137.333	0.00	0.00	0.001	0					0.06
137.417	0.00	0.00	0.001	0					0.06
137.500	0.00	0.00	0.001	0					0.06
137.583	0.00	0.00	0.001	0					0.06
137.667	0.00	0.00	0.001	0					0.06
137.750	0.00	0.00	0.001	0					0.06
137.833	0.00	0.00	0.001	0					0.06
137.917	0.00	0.00	0.001	0					0.05
138.000	0.00	0.00	0.001	0					0.05
138.083	0.00	0.00	0.001	0					0.05
138.167	0.00	0.00	0.001	0					0.05
138.250	0.00	0.00	0.001	0					0.05
138.333	0.00	0.00	0.001	0					0.05
138.417	0.00	0.00	0.001	0					0.05
138.500	0.00	0.00	0.001	0					0.05
138.583	0.00	0.00	0.001	0					0.05
138.667	0.00	0.00	0.001	0					0.04
138.750	0.00	0.00	0.001	0					0.04
138.833	0.00	0.00	0.001	0					0.04
138.917	0.00	0.00	0.001	0					0.04
139.000	0.00	0.00	0.001	0					0.04
139.083	0.00	0.00	0.001	0					0.04
139.167	0.00	0.00	0.001	0					0.04
139.250	0.00	0.00	0.001	0					0.04
139.333	0.00	0.00	0.001	0					0.04

139.417	0.00	0.00	0.001	0					0.04
139.500	0.00	0.00	0.001	0					0.04
139.583	0.00	0.00	0.001	0					0.04
139.667	0.00	0.00	0.001	0					0.03
139.750	0.00	0.00	0.001	0					0.03
139.833	0.00	0.00	0.001	0					0.03
139.917	0.00	0.00	0.001	0					0.03
140.000	0.00	0.00	0.001	0					0.03
140.083	0.00	0.00	0.001	0					0.03
140.167	0.00	0.00	0.001	0					0.03
140.250	0.00	0.00	0.001	0					0.03
140.333	0.00	0.00	0.001	0					0.03
140.417	0.00	0.00	0.001	0					0.03
140.500	0.00	0.00	0.001	0					0.03
140.583	0.00	0.00	0.001	0					0.03
140.667	0.00	0.00	0.001	0					0.03
140.750	0.00	0.00	0.001	0					0.03
140.833	0.00	0.00	0.001	0					0.03
140.917	0.00	0.00	0.001	0					0.03
141.000	0.00	0.00	0.001	0					0.03
141.083	0.00	0.00	0.000	0					0.02
141.167	0.00	0.00	0.000	0					0.02
141.250	0.00	0.00	0.000	0					0.02
141.333	0.00	0.00	0.000	0					0.02
141.417	0.00	0.00	0.000	0					0.02
141.500	0.00	0.00	0.000	0					0.02
141.583	0.00	0.00	0.000	0					0.02
141.667	0.00	0.00	0.000	0					0.02
141.750	0.00	0.00	0.000	0					0.02
141.833	0.00	0.00	0.000	0					0.02
141.917	0.00	0.00	0.000	0					0.02
142.000	0.00	0.00	0.000	0					0.02
142.083	0.00	0.00	0.000	0					0.02
142.167	0.00	0.00	0.000	0					0.02
142.250	0.00	0.00	0.000	0					0.02
142.333	0.00	0.00	0.000	0					0.02
142.417	0.00	0.00	0.000	0					0.02
142.500	0.00	0.00	0.000	0					0.02
142.583	0.00	0.00	0.000	0					0.02
142.667	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1712

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.054 (CFS)

Total volume = 0.364 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
2 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da262.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.664 (CFS)
Total volume = 0.214 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.83	1.25	1.66	Depth (Ft.)
0.083	0.08	0.00	0.000	OI					0.01
0.167	0.16	0.00	0.001	O I					0.06
0.250	0.18	0.01	0.002	O I					0.11
0.333	0.19	0.01	0.003	O I					0.13
0.417	0.19	0.01	0.005	O I					0.15
0.500	0.20	0.01	0.006	O I					0.18
0.583	0.21	0.01	0.007	O I					0.20
0.667	0.22	0.01	0.009	O I					0.23
0.750	0.22	0.01	0.010	O I					0.26
0.833	0.22	0.01	0.012	O I					0.29
0.917	0.22	0.01	0.013	O I					0.31
1.000	0.23	0.01	0.015	O I					0.34
1.083	0.25	0.01	0.016	O I					0.37
1.167	0.25	0.01	0.018	O I					0.40
1.250	0.25	0.01	0.019	O I					0.43
1.333	0.25	0.01	0.021	O I					0.46
1.417	0.25	0.02	0.023	O I					0.49
1.500	0.25	0.02	0.024	O I					0.52
1.583	0.25	0.02	0.026	O I					0.55
1.667	0.25	0.02	0.027	O I					0.58
1.750	0.25	0.02	0.029	O I					0.62
1.833	0.25	0.02	0.030	O I					0.65

1.917	0.25	0.02	0.032	0	I						0.68
2.000	0.26	0.02	0.034	0	I						0.71
2.083	0.26	0.02	0.035	0	I						0.74
2.167	0.27	0.02	0.037	0	I						0.77
2.250	0.28	0.02	0.039	0	I						0.80
2.333	0.28	0.02	0.040	0	I						0.84
2.417	0.28	0.02	0.042	0	I						0.87
2.500	0.28	0.03	0.044	0	I						0.90
2.583	0.28	0.03	0.046	0	I						0.94
2.667	0.28	0.03	0.047	0	I						0.97
2.750	0.30	0.03	0.049	0	I						1.00
2.833	0.31	0.03	0.051	0	I						1.03
2.917	0.31	0.03	0.053	0	I						1.05
3.000	0.31	0.03	0.055	0	I						1.07
3.083	0.31	0.03	0.057	0	I						1.10
3.167	0.33	0.03	0.059	0	I						1.12
3.250	0.34	0.03	0.061	0	I						1.15
3.333	0.34	0.03	0.063	0	I						1.18
3.417	0.36	0.03	0.065	0	I						1.20
3.500	0.39	0.03	0.068	0	I						1.23
3.583	0.42	0.03	0.070	0	I						1.27
3.667	0.43	0.03	0.073	0	I						1.30
3.750	0.45	0.03	0.076	0	I						1.33
3.833	0.46	0.03	0.079	0	I						1.37
3.917	0.48	0.03	0.082	0		I					1.41
4.000	0.49	0.03	0.085	0		I					1.45
4.083	0.51	0.03	0.088	0		I					1.49
4.167	0.54	0.03	0.091	0		I					1.53
4.250	0.57	0.03	0.095	0		I					1.58
4.333	0.60	0.03	0.099	0		I					1.62
4.417	0.63	0.04	0.103	0		I					1.67
4.500	0.65	0.04	0.107	0		I					1.73
4.583	0.67	0.04	0.111	0		I					1.78
4.667	0.70	0.04	0.116	0		I					1.83
4.750	0.73	0.04	0.120	0		I					1.89
4.833	0.74	0.04	0.125	0		I					1.95
4.917	0.76	0.04	0.130	0		I					2.01
5.000	0.79	0.04	0.135	0		I					2.06
5.083	0.89	0.04	0.141	0			I				2.12
5.167	1.03	0.04	0.147	0			I				2.19
5.250	1.15	0.04	0.154	0				I			2.27
5.333	1.25	0.04	0.162	0					I		2.35
5.417	1.39	0.04	0.171	0					I		2.44
5.500	1.66	0.04	0.181	0						I	2.55
5.583	1.13	0.04	0.191	0			I				2.65
5.667	0.51	0.05	0.196	0		I					2.70
5.750	0.25	0.05	0.198	0	I						2.73
5.833	0.18	0.05	0.199	0	I						2.74
5.917	0.12	0.05	0.200	0	I						2.75
6.000	0.08	0.05	0.200	0	I						2.75

6.083	0.03	0.05	0.201	0					2.75
6.167	0.00	0.05	0.200	0					2.75
6.250	0.00	0.05	0.200	0					2.75
6.333	0.00	0.05	0.200	0					2.74
6.417	0.00	0.05	0.199	0					2.74
6.500	0.00	0.05	0.199	0					2.74
6.583	0.00	0.05	0.199	0					2.73
6.667	0.00	0.05	0.198	0					2.73
6.750	0.00	0.05	0.198	0					2.73
6.833	0.00	0.05	0.198	0					2.72
6.917	0.00	0.05	0.197	0					2.72
7.000	0.00	0.05	0.197	0					2.72
7.083	0.00	0.05	0.197	0					2.71
7.167	0.00	0.05	0.197	0					2.71
7.250	0.00	0.05	0.196	0					2.71
7.333	0.00	0.05	0.196	0					2.70
7.417	0.00	0.05	0.196	0					2.70
7.500	0.00	0.05	0.195	0					2.70
7.583	0.00	0.05	0.195	0					2.69
7.667	0.00	0.05	0.195	0					2.69
7.750	0.00	0.05	0.194	0					2.69
7.833	0.00	0.05	0.194	0					2.68
7.917	0.00	0.05	0.194	0					2.68
8.000	0.00	0.05	0.193	0					2.68
8.083	0.00	0.05	0.193	0					2.68
8.167	0.00	0.05	0.193	0					2.67
8.250	0.00	0.05	0.193	0					2.67
8.333	0.00	0.04	0.192	0					2.67
8.417	0.00	0.04	0.192	0					2.66
8.500	0.00	0.04	0.192	0					2.66
8.583	0.00	0.04	0.191	0					2.66
8.667	0.00	0.04	0.191	0					2.65
8.750	0.00	0.04	0.191	0					2.65
8.833	0.00	0.04	0.190	0					2.65
8.917	0.00	0.04	0.190	0					2.64
9.000	0.00	0.04	0.190	0					2.64
9.083	0.00	0.04	0.189	0					2.64
9.167	0.00	0.04	0.189	0					2.63
9.250	0.00	0.04	0.189	0					2.63
9.333	0.00	0.04	0.188	0					2.63
9.417	0.00	0.04	0.188	0					2.62
9.500	0.00	0.04	0.188	0					2.62
9.583	0.00	0.04	0.188	0					2.62
9.667	0.00	0.04	0.187	0					2.61
9.750	0.00	0.04	0.187	0					2.61
9.833	0.00	0.04	0.187	0					2.61
9.917	0.00	0.04	0.186	0					2.60
10.000	0.00	0.04	0.186	0					2.60
10.083	0.00	0.04	0.186	0					2.60
10.167	0.00	0.04	0.185	0					2.59

10.250	0.00	0.04	0.185	0					2.59
10.333	0.00	0.04	0.185	0					2.59
10.417	0.00	0.04	0.185	0					2.58
10.500	0.00	0.04	0.184	0					2.58
10.583	0.00	0.04	0.184	0					2.58
10.667	0.00	0.04	0.184	0					2.57
10.750	0.00	0.04	0.183	0					2.57
10.833	0.00	0.04	0.183	0					2.57
10.917	0.00	0.04	0.183	0					2.57
11.000	0.00	0.04	0.182	0					2.56
11.083	0.00	0.04	0.182	0					2.56
11.167	0.00	0.04	0.182	0					2.56
11.250	0.00	0.04	0.181	0					2.55
11.333	0.00	0.04	0.181	0					2.55
11.417	0.00	0.04	0.181	0					2.55
11.500	0.00	0.04	0.181	0					2.54
11.583	0.00	0.04	0.180	0					2.54
11.667	0.00	0.04	0.180	0					2.54
11.750	0.00	0.04	0.180	0					2.53
11.833	0.00	0.04	0.179	0					2.53
11.917	0.00	0.04	0.179	0					2.53
12.000	0.00	0.04	0.179	0					2.52
12.083	0.00	0.04	0.178	0					2.52
12.167	0.00	0.04	0.178	0					2.52
12.250	0.00	0.04	0.178	0					2.51
12.333	0.00	0.04	0.178	0					2.51
12.417	0.00	0.04	0.177	0					2.51
12.500	0.00	0.04	0.177	0					2.50
12.583	0.00	0.04	0.177	0					2.50
12.667	0.00	0.04	0.176	0					2.50
12.750	0.00	0.04	0.176	0					2.50
12.833	0.00	0.04	0.176	0					2.49
12.917	0.00	0.04	0.175	0					2.49
13.000	0.00	0.04	0.175	0					2.49
13.083	0.00	0.04	0.175	0					2.48
13.167	0.00	0.04	0.175	0					2.48
13.250	0.00	0.04	0.174	0					2.48
13.333	0.00	0.04	0.174	0					2.47
13.417	0.00	0.04	0.174	0					2.47
13.500	0.00	0.04	0.173	0					2.47
13.583	0.00	0.04	0.173	0					2.46
13.667	0.00	0.04	0.173	0					2.46
13.750	0.00	0.04	0.172	0					2.46
13.833	0.00	0.04	0.172	0					2.45
13.917	0.00	0.04	0.172	0					2.45
14.000	0.00	0.04	0.172	0					2.45
14.083	0.00	0.04	0.171	0					2.45
14.167	0.00	0.04	0.171	0					2.44
14.250	0.00	0.04	0.171	0					2.44
14.333	0.00	0.04	0.170	0					2.44

14.417	0.00	0.04	0.170	0					2.43
14.500	0.00	0.04	0.170	0					2.43
14.583	0.00	0.04	0.170	0					2.43
14.667	0.00	0.04	0.169	0					2.42
14.750	0.00	0.04	0.169	0					2.42
14.833	0.00	0.04	0.169	0					2.42
14.917	0.00	0.04	0.168	0					2.41
15.000	0.00	0.04	0.168	0					2.41
15.083	0.00	0.04	0.168	0					2.41
15.167	0.00	0.04	0.167	0					2.40
15.250	0.00	0.04	0.167	0					2.40
15.333	0.00	0.04	0.167	0					2.40
15.417	0.00	0.04	0.167	0					2.40
15.500	0.00	0.04	0.166	0					2.39
15.583	0.00	0.04	0.166	0					2.39
15.667	0.00	0.04	0.166	0					2.39
15.750	0.00	0.04	0.165	0					2.38
15.833	0.00	0.04	0.165	0					2.38
15.917	0.00	0.04	0.165	0					2.38
16.000	0.00	0.04	0.165	0					2.37
16.083	0.00	0.04	0.164	0					2.37
16.167	0.00	0.04	0.164	0					2.37
16.250	0.00	0.04	0.164	0					2.36
16.333	0.00	0.04	0.163	0					2.36
16.417	0.00	0.04	0.163	0					2.36
16.500	0.00	0.04	0.163	0					2.36
16.583	0.00	0.04	0.162	0					2.35
16.667	0.00	0.04	0.162	0					2.35
16.750	0.00	0.04	0.162	0					2.35
16.833	0.00	0.04	0.162	0					2.34
16.917	0.00	0.04	0.161	0					2.34
17.000	0.00	0.04	0.161	0					2.34
17.083	0.00	0.04	0.161	0					2.33
17.167	0.00	0.04	0.160	0					2.33
17.250	0.00	0.04	0.160	0					2.33
17.333	0.00	0.04	0.160	0					2.33
17.417	0.00	0.04	0.160	0					2.32
17.500	0.00	0.04	0.159	0					2.32
17.583	0.00	0.04	0.159	0					2.32
17.667	0.00	0.04	0.159	0					2.31
17.750	0.00	0.04	0.158	0					2.31
17.833	0.00	0.04	0.158	0					2.31
17.917	0.00	0.04	0.158	0					2.30
18.000	0.00	0.04	0.158	0					2.30
18.083	0.00	0.04	0.157	0					2.30
18.167	0.00	0.04	0.157	0					2.29
18.250	0.00	0.04	0.157	0					2.29
18.333	0.00	0.04	0.156	0					2.29
18.417	0.00	0.04	0.156	0					2.29
18.500	0.00	0.04	0.156	0					2.28

18.583	0.00	0.04	0.156	0					2.28
18.667	0.00	0.04	0.155	0					2.28
18.750	0.00	0.04	0.155	0					2.27
18.833	0.00	0.04	0.155	0					2.27
18.917	0.00	0.04	0.154	0					2.27
19.000	0.00	0.04	0.154	0					2.26
19.083	0.00	0.04	0.154	0					2.26
19.167	0.00	0.04	0.154	0					2.26
19.250	0.00	0.04	0.153	0					2.26
19.333	0.00	0.04	0.153	0					2.25
19.417	0.00	0.04	0.153	0					2.25
19.500	0.00	0.04	0.152	0					2.25
19.583	0.00	0.04	0.152	0					2.24
19.667	0.00	0.04	0.152	0					2.24
19.750	0.00	0.04	0.152	0					2.24
19.833	0.00	0.04	0.151	0					2.23
19.917	0.00	0.04	0.151	0					2.23
20.000	0.00	0.04	0.151	0					2.23
20.083	0.00	0.04	0.150	0					2.23
20.167	0.00	0.04	0.150	0					2.22
20.250	0.00	0.04	0.150	0					2.22
20.333	0.00	0.04	0.150	0					2.22
20.417	0.00	0.04	0.149	0					2.21
20.500	0.00	0.04	0.149	0					2.21
20.583	0.00	0.04	0.149	0					2.21
20.667	0.00	0.04	0.148	0					2.21
20.750	0.00	0.04	0.148	0					2.20
20.833	0.00	0.04	0.148	0					2.20
20.917	0.00	0.04	0.148	0					2.20
21.000	0.00	0.04	0.147	0					2.19
21.083	0.00	0.04	0.147	0					2.19
21.167	0.00	0.04	0.147	0					2.19
21.250	0.00	0.04	0.147	0					2.18
21.333	0.00	0.04	0.146	0					2.18
21.417	0.00	0.04	0.146	0					2.18
21.500	0.00	0.04	0.146	0					2.18
21.583	0.00	0.04	0.145	0					2.17
21.667	0.00	0.04	0.145	0					2.17
21.750	0.00	0.04	0.145	0					2.17
21.833	0.00	0.04	0.145	0					2.16
21.917	0.00	0.04	0.144	0					2.16
22.000	0.00	0.04	0.144	0					2.16
22.083	0.00	0.04	0.144	0					2.16
22.167	0.00	0.04	0.143	0					2.15
22.250	0.00	0.04	0.143	0					2.15
22.333	0.00	0.04	0.143	0					2.15
22.417	0.00	0.04	0.143	0					2.14
22.500	0.00	0.04	0.142	0					2.14
22.583	0.00	0.04	0.142	0					2.14
22.667	0.00	0.04	0.142	0					2.13

22.750	0.00	0.04	0.142	0					2.13
22.833	0.00	0.04	0.141	0					2.13
22.917	0.00	0.04	0.141	0					2.13
23.000	0.00	0.04	0.141	0					2.12
23.083	0.00	0.04	0.140	0					2.12
23.167	0.00	0.04	0.140	0					2.12
23.250	0.00	0.04	0.140	0					2.11
23.333	0.00	0.04	0.140	0					2.11
23.417	0.00	0.04	0.139	0					2.11
23.500	0.00	0.04	0.139	0					2.11
23.583	0.00	0.04	0.139	0					2.10
23.667	0.00	0.04	0.138	0					2.10
23.750	0.00	0.04	0.138	0					2.10
23.833	0.00	0.04	0.138	0					2.09
23.917	0.00	0.04	0.138	0					2.09
24.000	0.00	0.04	0.137	0					2.09
24.083	0.00	0.04	0.137	0					2.09
24.167	0.00	0.04	0.137	0					2.08
24.250	0.00	0.04	0.137	0					2.08
24.333	0.00	0.04	0.136	0					2.08
24.417	0.00	0.04	0.136	0					2.07
24.500	0.00	0.04	0.136	0					2.07
24.583	0.00	0.04	0.135	0					2.07
24.667	0.00	0.04	0.135	0					2.07
24.750	0.00	0.04	0.135	0					2.06
24.833	0.00	0.04	0.135	0					2.06
24.917	0.00	0.04	0.134	0					2.06
25.000	0.00	0.04	0.134	0					2.05
25.083	0.00	0.04	0.134	0					2.05
25.167	0.00	0.04	0.134	0					2.05
25.250	0.00	0.04	0.133	0					2.05
25.333	0.00	0.04	0.133	0					2.04
25.417	0.00	0.04	0.133	0					2.04
25.500	0.00	0.04	0.132	0					2.04
25.583	0.00	0.04	0.132	0					2.03
25.667	0.00	0.04	0.132	0					2.03
25.750	0.00	0.04	0.132	0					2.03
25.833	0.00	0.04	0.131	0					2.03
25.917	0.00	0.04	0.131	0					2.02
26.000	0.00	0.04	0.131	0					2.02
26.083	0.00	0.04	0.131	0					2.02
26.167	0.00	0.04	0.130	0					2.01
26.250	0.00	0.04	0.130	0					2.01
26.333	0.00	0.04	0.130	0					2.01
26.417	0.00	0.04	0.130	0					2.01
26.500	0.00	0.04	0.129	0					2.00
26.583	0.00	0.04	0.129	0					2.00
26.667	0.00	0.04	0.129	0					2.00
26.750	0.00	0.04	0.128	0					1.99
26.833	0.00	0.04	0.128	0					1.99

26.917	0.00	0.04	0.128	0					1.99
27.000	0.00	0.04	0.128	0					1.98
27.083	0.00	0.04	0.127	0					1.98
27.167	0.00	0.04	0.127	0					1.98
27.250	0.00	0.04	0.127	0					1.97
27.333	0.00	0.04	0.127	0					1.97
27.417	0.00	0.04	0.126	0					1.97
27.500	0.00	0.04	0.126	0					1.96
27.583	0.00	0.04	0.126	0					1.96
27.667	0.00	0.04	0.126	0					1.96
27.750	0.00	0.04	0.125	0					1.95
27.833	0.00	0.04	0.125	0					1.95
27.917	0.00	0.04	0.125	0					1.95
28.000	0.00	0.04	0.124	0					1.94
28.083	0.00	0.04	0.124	0					1.94
28.167	0.00	0.04	0.124	0					1.94
28.250	0.00	0.04	0.124	0					1.93
28.333	0.00	0.04	0.123	0					1.93
28.417	0.00	0.04	0.123	0					1.93
28.500	0.00	0.04	0.123	0					1.92
28.583	0.00	0.04	0.123	0					1.92
28.667	0.00	0.04	0.122	0					1.92
28.750	0.00	0.04	0.122	0					1.91
28.833	0.00	0.04	0.122	0					1.91
28.917	0.00	0.04	0.122	0					1.91
29.000	0.00	0.04	0.121	0					1.90
29.083	0.00	0.04	0.121	0					1.90
29.167	0.00	0.04	0.121	0					1.90
29.250	0.00	0.04	0.121	0					1.89
29.333	0.00	0.04	0.120	0					1.89
29.417	0.00	0.04	0.120	0					1.89
29.500	0.00	0.04	0.120	0					1.88
29.583	0.00	0.04	0.119	0					1.88
29.667	0.00	0.04	0.119	0					1.88
29.750	0.00	0.04	0.119	0					1.87
29.833	0.00	0.04	0.119	0					1.87
29.917	0.00	0.04	0.118	0					1.87
30.000	0.00	0.04	0.118	0					1.86
30.083	0.00	0.04	0.118	0					1.86
30.167	0.00	0.04	0.118	0					1.86
30.250	0.00	0.04	0.117	0					1.85
30.333	0.00	0.04	0.117	0					1.85
30.417	0.00	0.04	0.117	0					1.85
30.500	0.00	0.04	0.117	0					1.85
30.583	0.00	0.04	0.116	0					1.84
30.667	0.00	0.04	0.116	0					1.84
30.750	0.00	0.04	0.116	0					1.84
30.833	0.00	0.04	0.116	0					1.83
30.917	0.00	0.04	0.115	0					1.83
31.000	0.00	0.04	0.115	0					1.83

31.083	0.00	0.04	0.115	0					1.82
31.167	0.00	0.04	0.115	0					1.82
31.250	0.00	0.04	0.114	0					1.82
31.333	0.00	0.04	0.114	0					1.81
31.417	0.00	0.04	0.114	0					1.81
31.500	0.00	0.04	0.114	0					1.81
31.583	0.00	0.04	0.113	0					1.80
31.667	0.00	0.04	0.113	0					1.80
31.750	0.00	0.04	0.113	0					1.80
31.833	0.00	0.04	0.113	0					1.79
31.917	0.00	0.04	0.112	0					1.79
32.000	0.00	0.04	0.112	0					1.79
32.083	0.00	0.04	0.112	0					1.78
32.167	0.00	0.04	0.112	0					1.78
32.250	0.00	0.04	0.111	0					1.78
32.333	0.00	0.04	0.111	0					1.78
32.417	0.00	0.04	0.111	0					1.77
32.500	0.00	0.04	0.111	0					1.77
32.583	0.00	0.04	0.110	0					1.77
32.667	0.00	0.04	0.110	0					1.76
32.750	0.00	0.04	0.110	0					1.76
32.833	0.00	0.04	0.110	0					1.76
32.917	0.00	0.04	0.109	0					1.75
33.000	0.00	0.04	0.109	0					1.75
33.083	0.00	0.04	0.109	0					1.75
33.167	0.00	0.04	0.109	0					1.74
33.250	0.00	0.04	0.108	0					1.74
33.333	0.00	0.04	0.108	0					1.74
33.417	0.00	0.04	0.108	0					1.73
33.500	0.00	0.04	0.108	0					1.73
33.583	0.00	0.04	0.107	0					1.73
33.667	0.00	0.04	0.107	0					1.73
33.750	0.00	0.04	0.107	0					1.72
33.833	0.00	0.04	0.107	0					1.72
33.917	0.00	0.04	0.106	0					1.72
34.000	0.00	0.04	0.106	0					1.71
34.083	0.00	0.04	0.106	0					1.71
34.167	0.00	0.04	0.106	0					1.71
34.250	0.00	0.04	0.105	0					1.70
34.333	0.00	0.04	0.105	0					1.70
34.417	0.00	0.04	0.105	0					1.70
34.500	0.00	0.04	0.105	0					1.69
34.583	0.00	0.04	0.104	0					1.69
34.667	0.00	0.04	0.104	0					1.69
34.750	0.00	0.04	0.104	0					1.69
34.833	0.00	0.04	0.104	0					1.68
34.917	0.00	0.04	0.103	0					1.68
35.000	0.00	0.04	0.103	0					1.68
35.083	0.00	0.04	0.103	0					1.67
35.167	0.00	0.04	0.103	0					1.67

35.250	0.00	0.04	0.102	0					1.67
35.333	0.00	0.04	0.102	0					1.66
35.417	0.00	0.04	0.102	0					1.66
35.500	0.00	0.04	0.102	0					1.66
35.583	0.00	0.04	0.101	0					1.65
35.667	0.00	0.04	0.101	0					1.65
35.750	0.00	0.04	0.101	0					1.65
35.833	0.00	0.04	0.101	0					1.65
35.917	0.00	0.04	0.100	0					1.64
36.000	0.00	0.04	0.100	0					1.64
36.083	0.00	0.04	0.100	0					1.64
36.167	0.00	0.03	0.100	0					1.63
36.250	0.00	0.03	0.099	0					1.63
36.333	0.00	0.03	0.099	0					1.63
36.417	0.00	0.03	0.099	0					1.62
36.500	0.00	0.03	0.099	0					1.62
36.583	0.00	0.03	0.099	0					1.62
36.667	0.00	0.03	0.098	0					1.62
36.750	0.00	0.03	0.098	0					1.61
36.833	0.00	0.03	0.098	0					1.61
36.917	0.00	0.03	0.098	0					1.61
37.000	0.00	0.03	0.097	0					1.60
37.083	0.00	0.03	0.097	0					1.60
37.167	0.00	0.03	0.097	0					1.60
37.250	0.00	0.03	0.097	0					1.59
37.333	0.00	0.03	0.096	0					1.59
37.417	0.00	0.03	0.096	0					1.59
37.500	0.00	0.03	0.096	0					1.59
37.583	0.00	0.03	0.096	0					1.58
37.667	0.00	0.03	0.095	0					1.58
37.750	0.00	0.03	0.095	0					1.58
37.833	0.00	0.03	0.095	0					1.57
37.917	0.00	0.03	0.095	0					1.57
38.000	0.00	0.03	0.094	0					1.57
38.083	0.00	0.03	0.094	0					1.57
38.167	0.00	0.03	0.094	0					1.56
38.250	0.00	0.03	0.094	0					1.56
38.333	0.00	0.03	0.094	0					1.56
38.417	0.00	0.03	0.093	0					1.55
38.500	0.00	0.03	0.093	0					1.55
38.583	0.00	0.03	0.093	0					1.55
38.667	0.00	0.03	0.093	0					1.54
38.750	0.00	0.03	0.092	0					1.54
38.833	0.00	0.03	0.092	0					1.54
38.917	0.00	0.03	0.092	0					1.54
39.000	0.00	0.03	0.092	0					1.53
39.083	0.00	0.03	0.091	0					1.53
39.167	0.00	0.03	0.091	0					1.53
39.250	0.00	0.03	0.091	0					1.52
39.333	0.00	0.03	0.091	0					1.52

39.417	0.00	0.03	0.090	0					1.52
39.500	0.00	0.03	0.090	0					1.52
39.583	0.00	0.03	0.090	0					1.51
39.667	0.00	0.03	0.090	0					1.51
39.750	0.00	0.03	0.090	0					1.51
39.833	0.00	0.03	0.089	0					1.50
39.917	0.00	0.03	0.089	0					1.50
40.000	0.00	0.03	0.089	0					1.50
40.083	0.00	0.03	0.089	0					1.50
40.167	0.00	0.03	0.088	0					1.49
40.250	0.00	0.03	0.088	0					1.49
40.333	0.00	0.03	0.088	0					1.49
40.417	0.00	0.03	0.088	0					1.48
40.500	0.00	0.03	0.087	0					1.48
40.583	0.00	0.03	0.087	0					1.48
40.667	0.00	0.03	0.087	0					1.48
40.750	0.00	0.03	0.087	0					1.47
40.833	0.00	0.03	0.087	0					1.47
40.917	0.00	0.03	0.086	0					1.47
41.000	0.00	0.03	0.086	0					1.46
41.083	0.00	0.03	0.086	0					1.46
41.167	0.00	0.03	0.086	0					1.46
41.250	0.00	0.03	0.085	0					1.46
41.333	0.00	0.03	0.085	0					1.45
41.417	0.00	0.03	0.085	0					1.45
41.500	0.00	0.03	0.085	0					1.45
41.583	0.00	0.03	0.085	0					1.44
41.667	0.00	0.03	0.084	0					1.44
41.750	0.00	0.03	0.084	0					1.44
41.833	0.00	0.03	0.084	0					1.44
41.917	0.00	0.03	0.084	0					1.43
42.000	0.00	0.03	0.083	0					1.43
42.083	0.00	0.03	0.083	0					1.43
42.167	0.00	0.03	0.083	0					1.42
42.250	0.00	0.03	0.083	0					1.42
42.333	0.00	0.03	0.082	0					1.42
42.417	0.00	0.03	0.082	0					1.42
42.500	0.00	0.03	0.082	0					1.41
42.583	0.00	0.03	0.082	0					1.41
42.667	0.00	0.03	0.082	0					1.41
42.750	0.00	0.03	0.081	0					1.40
42.833	0.00	0.03	0.081	0					1.40
42.917	0.00	0.03	0.081	0					1.40
43.000	0.00	0.03	0.081	0					1.40
43.083	0.00	0.03	0.080	0					1.39
43.167	0.00	0.03	0.080	0					1.39
43.250	0.00	0.03	0.080	0					1.39
43.333	0.00	0.03	0.080	0					1.39
43.417	0.00	0.03	0.080	0					1.38
43.500	0.00	0.03	0.079	0					1.38

43.583	0.00	0.03	0.079	0					1.38
43.667	0.00	0.03	0.079	0					1.37
43.750	0.00	0.03	0.079	0					1.37
43.833	0.00	0.03	0.078	0					1.37
43.917	0.00	0.03	0.078	0					1.37
44.000	0.00	0.03	0.078	0					1.36
44.083	0.00	0.03	0.078	0					1.36
44.167	0.00	0.03	0.078	0					1.36
44.250	0.00	0.03	0.077	0					1.35
44.333	0.00	0.03	0.077	0					1.35
44.417	0.00	0.03	0.077	0					1.35
44.500	0.00	0.03	0.077	0					1.35
44.583	0.00	0.03	0.077	0					1.34
44.667	0.00	0.03	0.076	0					1.34
44.750	0.00	0.03	0.076	0					1.34
44.833	0.00	0.03	0.076	0					1.34
44.917	0.00	0.03	0.076	0					1.33
45.000	0.00	0.03	0.075	0					1.33
45.083	0.00	0.03	0.075	0					1.33
45.167	0.00	0.03	0.075	0					1.32
45.250	0.00	0.03	0.075	0					1.32
45.333	0.00	0.03	0.075	0					1.32
45.417	0.00	0.03	0.074	0					1.32
45.500	0.00	0.03	0.074	0					1.31
45.583	0.00	0.03	0.074	0					1.31
45.667	0.00	0.03	0.074	0					1.31
45.750	0.00	0.03	0.073	0					1.31
45.833	0.00	0.03	0.073	0					1.30
45.917	0.00	0.03	0.073	0					1.30
46.000	0.00	0.03	0.073	0					1.30
46.083	0.00	0.03	0.073	0					1.30
46.167	0.00	0.03	0.072	0					1.29
46.250	0.00	0.03	0.072	0					1.29
46.333	0.00	0.03	0.072	0					1.29
46.417	0.00	0.03	0.072	0					1.28
46.500	0.00	0.03	0.072	0					1.28
46.583	0.00	0.03	0.071	0					1.28
46.667	0.00	0.03	0.071	0					1.28
46.750	0.00	0.03	0.071	0					1.27
46.833	0.00	0.03	0.071	0					1.27
46.917	0.00	0.03	0.070	0					1.27
47.000	0.00	0.03	0.070	0					1.27
47.083	0.00	0.03	0.070	0					1.26
47.167	0.00	0.03	0.070	0					1.26
47.250	0.00	0.03	0.070	0					1.26
47.333	0.00	0.03	0.069	0					1.25
47.417	0.00	0.03	0.069	0					1.25
47.500	0.00	0.03	0.069	0					1.25
47.583	0.00	0.03	0.069	0					1.25
47.667	0.00	0.03	0.069	0					1.24

47.750	0.00	0.03	0.068	0					1.24
47.833	0.00	0.03	0.068	0					1.24
47.917	0.00	0.03	0.068	0					1.24
48.000	0.00	0.03	0.068	0					1.23
48.083	0.00	0.03	0.067	0					1.23
48.167	0.00	0.03	0.067	0					1.23
48.250	0.00	0.03	0.067	0					1.23
48.333	0.00	0.03	0.067	0					1.22
48.417	0.00	0.03	0.067	0					1.22
48.500	0.00	0.03	0.066	0					1.22
48.583	0.00	0.03	0.066	0					1.22
48.667	0.00	0.03	0.066	0					1.21
48.750	0.00	0.03	0.066	0					1.21
48.833	0.00	0.03	0.066	0					1.21
48.917	0.00	0.03	0.065	0					1.21
49.000	0.00	0.03	0.065	0					1.20
49.083	0.00	0.03	0.065	0					1.20
49.167	0.00	0.03	0.065	0					1.20
49.250	0.00	0.03	0.065	0					1.19
49.333	0.00	0.03	0.064	0					1.19
49.417	0.00	0.03	0.064	0					1.19
49.500	0.00	0.03	0.064	0					1.19
49.583	0.00	0.03	0.064	0					1.18
49.667	0.00	0.03	0.064	0					1.18
49.750	0.00	0.03	0.063	0					1.18
49.833	0.00	0.03	0.063	0					1.18
49.917	0.00	0.03	0.063	0					1.17
50.000	0.00	0.03	0.063	0					1.17
50.083	0.00	0.03	0.063	0					1.17
50.167	0.00	0.03	0.062	0					1.17
50.250	0.00	0.03	0.062	0					1.16
50.333	0.00	0.03	0.062	0					1.16
50.417	0.00	0.03	0.062	0					1.16
50.500	0.00	0.03	0.061	0					1.16
50.583	0.00	0.03	0.061	0					1.15
50.667	0.00	0.03	0.061	0					1.15
50.750	0.00	0.03	0.061	0					1.15
50.833	0.00	0.03	0.061	0					1.15
50.917	0.00	0.03	0.060	0					1.14
51.000	0.00	0.03	0.060	0					1.14
51.083	0.00	0.03	0.060	0					1.14
51.167	0.00	0.03	0.060	0					1.14
51.250	0.00	0.03	0.060	0					1.13
51.333	0.00	0.03	0.059	0					1.13
51.417	0.00	0.03	0.059	0					1.13
51.500	0.00	0.03	0.059	0					1.13
51.583	0.00	0.03	0.059	0					1.12
51.667	0.00	0.03	0.059	0					1.12
51.750	0.00	0.03	0.058	0					1.12
51.833	0.00	0.03	0.058	0					1.12

51.917	0.00	0.03	0.058	0					1.11
52.000	0.00	0.03	0.058	0					1.11
52.083	0.00	0.03	0.058	0					1.11
52.167	0.00	0.03	0.057	0					1.11
52.250	0.00	0.03	0.057	0					1.10
52.333	0.00	0.03	0.057	0					1.10
52.417	0.00	0.03	0.057	0					1.10
52.500	0.00	0.03	0.057	0					1.10
52.583	0.00	0.03	0.056	0					1.09
52.667	0.00	0.03	0.056	0					1.09
52.750	0.00	0.03	0.056	0					1.09
52.833	0.00	0.03	0.056	0					1.09
52.917	0.00	0.03	0.056	0					1.08
53.000	0.00	0.03	0.055	0					1.08
53.083	0.00	0.03	0.055	0					1.08
53.167	0.00	0.03	0.055	0					1.08
53.250	0.00	0.03	0.055	0					1.07
53.333	0.00	0.03	0.055	0					1.07
53.417	0.00	0.03	0.054	0					1.07
53.500	0.00	0.03	0.054	0					1.07
53.583	0.00	0.03	0.054	0					1.06
53.667	0.00	0.03	0.054	0					1.06
53.750	0.00	0.03	0.054	0					1.06
53.833	0.00	0.03	0.053	0					1.06
53.917	0.00	0.03	0.053	0					1.05
54.000	0.00	0.03	0.053	0					1.05
54.083	0.00	0.03	0.053	0					1.05
54.167	0.00	0.03	0.053	0					1.05
54.250	0.00	0.03	0.052	0					1.04
54.333	0.00	0.03	0.052	0					1.04
54.417	0.00	0.03	0.052	0					1.04
54.500	0.00	0.03	0.052	0					1.04
54.583	0.00	0.03	0.052	0					1.03
54.667	0.00	0.03	0.051	0					1.03
54.750	0.00	0.03	0.051	0					1.03
54.833	0.00	0.03	0.051	0					1.03
54.917	0.00	0.03	0.051	0					1.02
55.000	0.00	0.03	0.051	0					1.02
55.083	0.00	0.03	0.051	0					1.02
55.167	0.00	0.03	0.050	0					1.02
55.250	0.00	0.03	0.050	0					1.01
55.333	0.00	0.03	0.050	0					1.01
55.417	0.00	0.03	0.050	0					1.01
55.500	0.00	0.03	0.050	0					1.01
55.583	0.00	0.03	0.049	0					1.00
55.667	0.00	0.03	0.049	0					1.00
55.750	0.00	0.03	0.049	0					1.00
55.833	0.00	0.03	0.049	0					1.00
55.917	0.00	0.03	0.049	0					0.99
56.000	0.00	0.03	0.048	0					0.99

56.083	0.00	0.03	0.048	0					0.98
56.167	0.00	0.03	0.048	0					0.98
56.250	0.00	0.03	0.048	0					0.98
56.333	0.00	0.03	0.048	0					0.97
56.417	0.00	0.03	0.047	0					0.97
56.500	0.00	0.03	0.047	0					0.97
56.583	0.00	0.03	0.047	0					0.96
56.667	0.00	0.03	0.047	0					0.96
56.750	0.00	0.03	0.047	0					0.96
56.833	0.00	0.03	0.047	0					0.95
56.917	0.00	0.03	0.046	0					0.95
57.000	0.00	0.03	0.046	0					0.95
57.083	0.00	0.03	0.046	0					0.94
57.167	0.00	0.03	0.046	0					0.94
57.250	0.00	0.03	0.046	0					0.93
57.333	0.00	0.03	0.045	0					0.93
57.417	0.00	0.03	0.045	0					0.93
57.500	0.00	0.03	0.045	0					0.92
57.583	0.00	0.03	0.045	0					0.92
57.667	0.00	0.03	0.045	0					0.92
57.750	0.00	0.03	0.045	0					0.91
57.833	0.00	0.03	0.044	0					0.91
57.917	0.00	0.03	0.044	0					0.91
58.000	0.00	0.03	0.044	0					0.90
58.083	0.00	0.03	0.044	0					0.90
58.167	0.00	0.03	0.044	0					0.90
58.250	0.00	0.03	0.043	0					0.89
58.333	0.00	0.03	0.043	0					0.89
58.417	0.00	0.03	0.043	0					0.89
58.500	0.00	0.03	0.043	0					0.88
58.583	0.00	0.03	0.043	0					0.88
58.667	0.00	0.02	0.043	0					0.88
58.750	0.00	0.02	0.042	0					0.87
58.833	0.00	0.02	0.042	0					0.87
58.917	0.00	0.02	0.042	0					0.87
59.000	0.00	0.02	0.042	0					0.86
59.083	0.00	0.02	0.042	0					0.86
59.167	0.00	0.02	0.042	0					0.86
59.250	0.00	0.02	0.041	0					0.85
59.333	0.00	0.02	0.041	0					0.85
59.417	0.00	0.02	0.041	0					0.85
59.500	0.00	0.02	0.041	0					0.84
59.583	0.00	0.02	0.041	0					0.84
59.667	0.00	0.02	0.041	0					0.84
59.750	0.00	0.02	0.040	0					0.84
59.833	0.00	0.02	0.040	0					0.83
59.917	0.00	0.02	0.040	0					0.83
60.000	0.00	0.02	0.040	0					0.83
60.083	0.00	0.02	0.040	0					0.82
60.167	0.00	0.02	0.040	0					0.82

60.250	0.00	0.02	0.039	0					0.82
60.333	0.00	0.02	0.039	0					0.81
60.417	0.00	0.02	0.039	0					0.81
60.500	0.00	0.02	0.039	0					0.81
60.583	0.00	0.02	0.039	0					0.80
60.667	0.00	0.02	0.039	0					0.80
60.750	0.00	0.02	0.038	0					0.80
60.833	0.00	0.02	0.038	0					0.79
60.917	0.00	0.02	0.038	0					0.79
61.000	0.00	0.02	0.038	0					0.79
61.083	0.00	0.02	0.038	0					0.79
61.167	0.00	0.02	0.038	0					0.78
61.250	0.00	0.02	0.038	0					0.78
61.333	0.00	0.02	0.037	0					0.78
61.417	0.00	0.02	0.037	0					0.77
61.500	0.00	0.02	0.037	0					0.77
61.583	0.00	0.02	0.037	0					0.77
61.667	0.00	0.02	0.037	0					0.77
61.750	0.00	0.02	0.037	0					0.76
61.833	0.00	0.02	0.036	0					0.76
61.917	0.00	0.02	0.036	0					0.76
62.000	0.00	0.02	0.036	0					0.75
62.083	0.00	0.02	0.036	0					0.75
62.167	0.00	0.02	0.036	0					0.75
62.250	0.00	0.02	0.036	0					0.74
62.333	0.00	0.02	0.036	0					0.74
62.417	0.00	0.02	0.035	0					0.74
62.500	0.00	0.02	0.035	0					0.74
62.583	0.00	0.02	0.035	0					0.73
62.667	0.00	0.02	0.035	0					0.73
62.750	0.00	0.02	0.035	0					0.73
62.833	0.00	0.02	0.035	0					0.72
62.917	0.00	0.02	0.034	0					0.72
63.000	0.00	0.02	0.034	0					0.72
63.083	0.00	0.02	0.034	0					0.72
63.167	0.00	0.02	0.034	0					0.71
63.250	0.00	0.02	0.034	0					0.71
63.333	0.00	0.02	0.034	0					0.71
63.417	0.00	0.02	0.034	0					0.71
63.500	0.00	0.02	0.033	0					0.70
63.583	0.00	0.02	0.033	0					0.70
63.667	0.00	0.02	0.033	0					0.70
63.750	0.00	0.02	0.033	0					0.69
63.833	0.00	0.02	0.033	0					0.69
63.917	0.00	0.02	0.033	0					0.69
64.000	0.00	0.02	0.033	0					0.69
64.083	0.00	0.02	0.032	0					0.68
64.167	0.00	0.02	0.032	0					0.68
64.250	0.00	0.02	0.032	0					0.68
64.333	0.00	0.02	0.032	0					0.68

64.417	0.00	0.02	0.032	0					0.67
64.500	0.00	0.02	0.032	0					0.67
64.583	0.00	0.02	0.032	0					0.67
64.667	0.00	0.02	0.032	0					0.67
64.750	0.00	0.02	0.031	0					0.66
64.833	0.00	0.02	0.031	0					0.66
64.917	0.00	0.02	0.031	0					0.66
65.000	0.00	0.02	0.031	0					0.65
65.083	0.00	0.02	0.031	0					0.65
65.167	0.00	0.02	0.031	0					0.65
65.250	0.00	0.02	0.031	0					0.65
65.333	0.00	0.02	0.030	0					0.64
65.417	0.00	0.02	0.030	0					0.64
65.500	0.00	0.02	0.030	0					0.64
65.583	0.00	0.02	0.030	0					0.64
65.667	0.00	0.02	0.030	0					0.63
65.750	0.00	0.02	0.030	0					0.63
65.833	0.00	0.02	0.030	0					0.63
65.917	0.00	0.02	0.030	0					0.63
66.000	0.00	0.02	0.029	0					0.62
66.083	0.00	0.02	0.029	0					0.62
66.167	0.00	0.02	0.029	0					0.62
66.250	0.00	0.02	0.029	0					0.62
66.333	0.00	0.02	0.029	0					0.61
66.417	0.00	0.02	0.029	0					0.61
66.500	0.00	0.02	0.029	0					0.61
66.583	0.00	0.02	0.028	0					0.61
66.667	0.00	0.02	0.028	0					0.60
66.750	0.00	0.02	0.028	0					0.60
66.833	0.00	0.02	0.028	0					0.60
66.917	0.00	0.02	0.028	0					0.60
67.000	0.00	0.02	0.028	0					0.60
67.083	0.00	0.02	0.028	0					0.59
67.167	0.00	0.02	0.028	0					0.59
67.250	0.00	0.02	0.027	0					0.59
67.333	0.00	0.02	0.027	0					0.59
67.417	0.00	0.02	0.027	0					0.58
67.500	0.00	0.02	0.027	0					0.58
67.583	0.00	0.02	0.027	0					0.58
67.667	0.00	0.02	0.027	0					0.58
67.750	0.00	0.02	0.027	0					0.57
67.833	0.00	0.02	0.027	0					0.57
67.917	0.00	0.02	0.027	0					0.57
68.000	0.00	0.02	0.026	0					0.57
68.083	0.00	0.02	0.026	0					0.56
68.167	0.00	0.02	0.026	0					0.56
68.250	0.00	0.02	0.026	0					0.56
68.333	0.00	0.02	0.026	0					0.56
68.417	0.00	0.02	0.026	0					0.56
68.500	0.00	0.02	0.026	0					0.55

68.583	0.00	0.02	0.026	0					0.55
68.667	0.00	0.02	0.025	0					0.55
68.750	0.00	0.02	0.025	0					0.55
68.833	0.00	0.02	0.025	0					0.54
68.917	0.00	0.02	0.025	0					0.54
69.000	0.00	0.02	0.025	0					0.54
69.083	0.00	0.02	0.025	0					0.54
69.167	0.00	0.02	0.025	0					0.54
69.250	0.00	0.02	0.025	0					0.53
69.333	0.00	0.02	0.025	0					0.53
69.417	0.00	0.02	0.024	0					0.53
69.500	0.00	0.02	0.024	0					0.53
69.583	0.00	0.02	0.024	0					0.52
69.667	0.00	0.02	0.024	0					0.52
69.750	0.00	0.02	0.024	0					0.52
69.833	0.00	0.02	0.024	0					0.52
69.917	0.00	0.02	0.024	0					0.52
70.000	0.00	0.02	0.024	0					0.51
70.083	0.00	0.02	0.024	0					0.51
70.167	0.00	0.02	0.023	0					0.51
70.250	0.00	0.02	0.023	0					0.51
70.333	0.00	0.02	0.023	0					0.51
70.417	0.00	0.02	0.023	0					0.50
70.500	0.00	0.02	0.023	0					0.50
70.583	0.00	0.02	0.023	0					0.50
70.667	0.00	0.02	0.023	0					0.50
70.750	0.00	0.02	0.023	0					0.50
70.833	0.00	0.02	0.023	0					0.49
70.917	0.00	0.02	0.022	0					0.49
71.000	0.00	0.02	0.022	0					0.49
71.083	0.00	0.02	0.022	0					0.49
71.167	0.00	0.02	0.022	0					0.49
71.250	0.00	0.02	0.022	0					0.48
71.333	0.00	0.02	0.022	0					0.48
71.417	0.00	0.02	0.022	0					0.48
71.500	0.00	0.02	0.022	0					0.48
71.583	0.00	0.02	0.022	0					0.47
71.667	0.00	0.02	0.021	0					0.47
71.750	0.00	0.02	0.021	0					0.47
71.833	0.00	0.02	0.021	0					0.47
71.917	0.00	0.01	0.021	0					0.47
72.000	0.00	0.01	0.021	0					0.47
72.083	0.00	0.01	0.021	0					0.46
72.167	0.00	0.01	0.021	0					0.46
72.250	0.00	0.01	0.021	0					0.46
72.333	0.00	0.01	0.021	0					0.46
72.417	0.00	0.01	0.021	0					0.46
72.500	0.00	0.01	0.020	0					0.45
72.583	0.00	0.01	0.020	0					0.45
72.667	0.00	0.01	0.020	0					0.45

72.750	0.00	0.01	0.020	0					0.45
72.833	0.00	0.01	0.020	0					0.45
72.917	0.00	0.01	0.020	0					0.44
73.000	0.00	0.01	0.020	0					0.44
73.083	0.00	0.01	0.020	0					0.44
73.167	0.00	0.01	0.020	0					0.44
73.250	0.00	0.01	0.020	0					0.44
73.333	0.00	0.01	0.019	0					0.43
73.417	0.00	0.01	0.019	0					0.43
73.500	0.00	0.01	0.019	0					0.43
73.583	0.00	0.01	0.019	0					0.43
73.667	0.00	0.01	0.019	0					0.43
73.750	0.00	0.01	0.019	0					0.43
73.833	0.00	0.01	0.019	0					0.42
73.917	0.00	0.01	0.019	0					0.42
74.000	0.00	0.01	0.019	0					0.42
74.083	0.00	0.01	0.019	0					0.42
74.167	0.00	0.01	0.019	0					0.42
74.250	0.00	0.01	0.018	0					0.41
74.333	0.00	0.01	0.018	0					0.41
74.417	0.00	0.01	0.018	0					0.41
74.500	0.00	0.01	0.018	0					0.41
74.583	0.00	0.01	0.018	0					0.41
74.667	0.00	0.01	0.018	0					0.41
74.750	0.00	0.01	0.018	0					0.40
74.833	0.00	0.01	0.018	0					0.40
74.917	0.00	0.01	0.018	0					0.40
75.000	0.00	0.01	0.018	0					0.40
75.083	0.00	0.01	0.017	0					0.40
75.167	0.00	0.01	0.017	0					0.39
75.250	0.00	0.01	0.017	0					0.39
75.333	0.00	0.01	0.017	0					0.39
75.417	0.00	0.01	0.017	0					0.39
75.500	0.00	0.01	0.017	0					0.39
75.583	0.00	0.01	0.017	0					0.39
75.667	0.00	0.01	0.017	0					0.38
75.750	0.00	0.01	0.017	0					0.38
75.833	0.00	0.01	0.017	0					0.38
75.917	0.00	0.01	0.017	0					0.38
76.000	0.00	0.01	0.016	0					0.38
76.083	0.00	0.01	0.016	0					0.38
76.167	0.00	0.01	0.016	0					0.37
76.250	0.00	0.01	0.016	0					0.37
76.333	0.00	0.01	0.016	0					0.37
76.417	0.00	0.01	0.016	0					0.37
76.500	0.00	0.01	0.016	0					0.37
76.583	0.00	0.01	0.016	0					0.37
76.667	0.00	0.01	0.016	0					0.36
76.750	0.00	0.01	0.016	0					0.36
76.833	0.00	0.01	0.016	0					0.36

76.917	0.00	0.01	0.016	0					0.36
77.000	0.00	0.01	0.015	0					0.36
77.083	0.00	0.01	0.015	0					0.36
77.167	0.00	0.01	0.015	0					0.35
77.250	0.00	0.01	0.015	0					0.35
77.333	0.00	0.01	0.015	0					0.35
77.417	0.00	0.01	0.015	0					0.35
77.500	0.00	0.01	0.015	0					0.35
77.583	0.00	0.01	0.015	0					0.35
77.667	0.00	0.01	0.015	0					0.34
77.750	0.00	0.01	0.015	0					0.34
77.833	0.00	0.01	0.015	0					0.34
77.917	0.00	0.01	0.015	0					0.34
78.000	0.00	0.01	0.014	0					0.34
78.083	0.00	0.01	0.014	0					0.34
78.167	0.00	0.01	0.014	0					0.34
78.250	0.00	0.01	0.014	0					0.33
78.333	0.00	0.01	0.014	0					0.33
78.417	0.00	0.01	0.014	0					0.33
78.500	0.00	0.01	0.014	0					0.33
78.583	0.00	0.01	0.014	0					0.33
78.667	0.00	0.01	0.014	0					0.33
78.750	0.00	0.01	0.014	0					0.32
78.833	0.00	0.01	0.014	0					0.32
78.917	0.00	0.01	0.014	0					0.32
79.000	0.00	0.01	0.014	0					0.32
79.083	0.00	0.01	0.013	0					0.32
79.167	0.00	0.01	0.013	0					0.32
79.250	0.00	0.01	0.013	0					0.32
79.333	0.00	0.01	0.013	0					0.31
79.417	0.00	0.01	0.013	0					0.31
79.500	0.00	0.01	0.013	0					0.31
79.583	0.00	0.01	0.013	0					0.31
79.667	0.00	0.01	0.013	0					0.31
79.750	0.00	0.01	0.013	0					0.31
79.833	0.00	0.01	0.013	0					0.31
79.917	0.00	0.01	0.013	0					0.30
80.000	0.00	0.01	0.013	0					0.30
80.083	0.00	0.01	0.013	0					0.30
80.167	0.00	0.01	0.012	0					0.30
80.250	0.00	0.01	0.012	0					0.30
80.333	0.00	0.01	0.012	0					0.30
80.417	0.00	0.01	0.012	0					0.30
80.500	0.00	0.01	0.012	0					0.29
80.583	0.00	0.01	0.012	0					0.29
80.667	0.00	0.01	0.012	0					0.29
80.750	0.00	0.01	0.012	0					0.29
80.833	0.00	0.01	0.012	0					0.29
80.917	0.00	0.01	0.012	0					0.29
81.000	0.00	0.01	0.012	0					0.29

81.083	0.00	0.01	0.012	0					0.28
81.167	0.00	0.01	0.012	0					0.28
81.250	0.00	0.01	0.011	0					0.28
81.333	0.00	0.01	0.011	0					0.28
81.417	0.00	0.01	0.011	0					0.28
81.500	0.00	0.01	0.011	0					0.28
81.583	0.00	0.01	0.011	0					0.28
81.667	0.00	0.01	0.011	0					0.27
81.750	0.00	0.01	0.011	0					0.27
81.833	0.00	0.01	0.011	0					0.27
81.917	0.00	0.01	0.011	0					0.27
82.000	0.00	0.01	0.011	0					0.27
82.083	0.00	0.01	0.011	0					0.27
82.167	0.00	0.01	0.011	0					0.27
82.250	0.00	0.01	0.011	0					0.27
82.333	0.00	0.01	0.011	0					0.26
82.417	0.00	0.01	0.010	0					0.26
82.500	0.00	0.01	0.010	0					0.26
82.583	0.00	0.01	0.010	0					0.26
82.667	0.00	0.01	0.010	0					0.26
82.750	0.00	0.01	0.010	0					0.26
82.833	0.00	0.01	0.010	0					0.26
82.917	0.00	0.01	0.010	0					0.25
83.000	0.00	0.01	0.010	0					0.25
83.083	0.00	0.01	0.010	0					0.25
83.167	0.00	0.01	0.010	0					0.25
83.250	0.00	0.01	0.010	0					0.25
83.333	0.00	0.01	0.010	0					0.25
83.417	0.00	0.01	0.010	0					0.25
83.500	0.00	0.01	0.010	0					0.25
83.583	0.00	0.01	0.010	0					0.24
83.667	0.00	0.01	0.009	0					0.24
83.750	0.00	0.01	0.009	0					0.24
83.833	0.00	0.01	0.009	0					0.24
83.917	0.00	0.01	0.009	0					0.24
84.000	0.00	0.01	0.009	0					0.24
84.083	0.00	0.01	0.009	0					0.24
84.167	0.00	0.01	0.009	0					0.24
84.250	0.00	0.01	0.009	0					0.23
84.333	0.00	0.01	0.009	0					0.23
84.417	0.00	0.01	0.009	0					0.23
84.500	0.00	0.01	0.009	0					0.23
84.583	0.00	0.01	0.009	0					0.23
84.667	0.00	0.01	0.009	0					0.23
84.750	0.00	0.01	0.009	0					0.23
84.833	0.00	0.01	0.009	0					0.23
84.917	0.00	0.01	0.009	0					0.22
85.000	0.00	0.01	0.008	0					0.22
85.083	0.00	0.01	0.008	0					0.22
85.167	0.00	0.01	0.008	0					0.22

85.250	0.00	0.01	0.008	0					0.22
85.333	0.00	0.01	0.008	0					0.22
85.417	0.00	0.01	0.008	0					0.22
85.500	0.00	0.01	0.008	0					0.22
85.583	0.00	0.01	0.008	0					0.22
85.667	0.00	0.01	0.008	0					0.21
85.750	0.00	0.01	0.008	0					0.21
85.833	0.00	0.01	0.008	0					0.21
85.917	0.00	0.01	0.008	0					0.21
86.000	0.00	0.01	0.008	0					0.21
86.083	0.00	0.01	0.008	0					0.21
86.167	0.00	0.01	0.008	0					0.21
86.250	0.00	0.01	0.008	0					0.21
86.333	0.00	0.01	0.007	0					0.21
86.417	0.00	0.01	0.007	0					0.20
86.500	0.00	0.01	0.007	0					0.20
86.583	0.00	0.01	0.007	0					0.20
86.667	0.00	0.01	0.007	0					0.20
86.750	0.00	0.01	0.007	0					0.20
86.833	0.00	0.01	0.007	0					0.20
86.917	0.00	0.01	0.007	0					0.20
87.000	0.00	0.01	0.007	0					0.20
87.083	0.00	0.01	0.007	0					0.20
87.167	0.00	0.01	0.007	0					0.19
87.250	0.00	0.01	0.007	0					0.19
87.333	0.00	0.01	0.007	0					0.19
87.417	0.00	0.01	0.007	0					0.19
87.500	0.00	0.01	0.007	0					0.19
87.583	0.00	0.01	0.007	0					0.19
87.667	0.00	0.01	0.007	0					0.19
87.750	0.00	0.01	0.007	0					0.19
87.833	0.00	0.01	0.006	0					0.19
87.917	0.00	0.01	0.006	0					0.18
88.000	0.00	0.01	0.006	0					0.18
88.083	0.00	0.01	0.006	0					0.18
88.167	0.00	0.01	0.006	0					0.18
88.250	0.00	0.01	0.006	0					0.18
88.333	0.00	0.01	0.006	0					0.18
88.417	0.00	0.01	0.006	0					0.18
88.500	0.00	0.01	0.006	0					0.18
88.583	0.00	0.01	0.006	0					0.18
88.667	0.00	0.01	0.006	0					0.17
88.750	0.00	0.01	0.006	0					0.17
88.833	0.00	0.01	0.006	0					0.17
88.917	0.00	0.01	0.006	0					0.17
89.000	0.00	0.01	0.006	0					0.17
89.083	0.00	0.01	0.006	0					0.17
89.167	0.00	0.01	0.006	0					0.17
89.250	0.00	0.01	0.006	0					0.17
89.333	0.00	0.01	0.005	0					0.17

89.417	0.00	0.01	0.005	0					0.17
89.500	0.00	0.01	0.005	0					0.16
89.583	0.00	0.01	0.005	0					0.16
89.667	0.00	0.01	0.005	0					0.16
89.750	0.00	0.01	0.005	0					0.16
89.833	0.00	0.01	0.005	0					0.16
89.917	0.00	0.01	0.005	0					0.16
90.000	0.00	0.01	0.005	0					0.16
90.083	0.00	0.01	0.005	0					0.16
90.167	0.00	0.01	0.005	0					0.16
90.250	0.00	0.01	0.005	0					0.16
90.333	0.00	0.01	0.005	0					0.15
90.417	0.00	0.01	0.005	0					0.15
90.500	0.00	0.01	0.005	0					0.15
90.583	0.00	0.01	0.005	0					0.15
90.667	0.00	0.01	0.005	0					0.15
90.750	0.00	0.01	0.005	0					0.15
90.833	0.00	0.01	0.005	0					0.15
90.917	0.00	0.01	0.005	0					0.15
91.000	0.00	0.01	0.004	0					0.15
91.083	0.00	0.01	0.004	0					0.15
91.167	0.00	0.01	0.004	0					0.15
91.250	0.00	0.01	0.004	0					0.14
91.333	0.00	0.01	0.004	0					0.14
91.417	0.00	0.01	0.004	0					0.14
91.500	0.00	0.01	0.004	0					0.14
91.583	0.00	0.01	0.004	0					0.14
91.667	0.00	0.01	0.004	0					0.14
91.750	0.00	0.01	0.004	0					0.14
91.833	0.00	0.01	0.004	0					0.14
91.917	0.00	0.01	0.004	0					0.14
92.000	0.00	0.01	0.004	0					0.14
92.083	0.00	0.01	0.004	0					0.14
92.167	0.00	0.01	0.004	0					0.13
92.250	0.00	0.01	0.004	0					0.13
92.333	0.00	0.01	0.004	0					0.13
92.417	0.00	0.01	0.004	0					0.13
92.500	0.00	0.01	0.004	0					0.13
92.583	0.00	0.01	0.004	0					0.13
92.667	0.00	0.01	0.004	0					0.13
92.750	0.00	0.01	0.003	0					0.13
92.833	0.00	0.01	0.003	0					0.13
92.917	0.00	0.01	0.003	0					0.13
93.000	0.00	0.01	0.003	0					0.13
93.083	0.00	0.01	0.003	0					0.12
93.167	0.00	0.01	0.003	0					0.12
93.250	0.00	0.01	0.003	0					0.12
93.333	0.00	0.01	0.003	0					0.12
93.417	0.00	0.01	0.003	0					0.12
93.500	0.00	0.01	0.003	0					0.12

93.583	0.00	0.01	0.003	0					0.12
93.667	0.00	0.01	0.003	0					0.12
93.750	0.00	0.01	0.003	0					0.12
93.833	0.00	0.01	0.003	0					0.12
93.917	0.00	0.01	0.003	0					0.12
94.000	0.00	0.01	0.003	0					0.12
94.083	0.00	0.01	0.003	0					0.11
94.167	0.00	0.01	0.003	0					0.11
94.250	0.00	0.01	0.003	0					0.11
94.333	0.00	0.01	0.003	0					0.11
94.417	0.00	0.01	0.003	0					0.11
94.500	0.00	0.01	0.003	0					0.11
94.583	0.00	0.01	0.002	0					0.11
94.667	0.00	0.01	0.002	0					0.11
94.750	0.00	0.01	0.002	0					0.11
94.833	0.00	0.01	0.002	0					0.11
94.917	0.00	0.01	0.002	0					0.11
95.000	0.00	0.01	0.002	0					0.11
95.083	0.00	0.01	0.002	0					0.10
95.167	0.00	0.01	0.002	0					0.10
95.250	0.00	0.01	0.002	0					0.10
95.333	0.00	0.01	0.002	0					0.10
95.417	0.00	0.01	0.002	0					0.10
95.500	0.00	0.01	0.002	0					0.10
95.583	0.00	0.01	0.002	0					0.10
95.667	0.00	0.01	0.002	0					0.10
95.750	0.00	0.01	0.002	0					0.10
95.833	0.00	0.01	0.002	0					0.09
95.917	0.00	0.01	0.002	0					0.09
96.000	0.00	0.01	0.002	0					0.09
96.083	0.00	0.01	0.002	0					0.09
96.167	0.00	0.01	0.002	0					0.09
96.250	0.00	0.01	0.002	0					0.08
96.333	0.00	0.00	0.002	0					0.08
96.417	0.00	0.00	0.002	0					0.08
96.500	0.00	0.00	0.002	0					0.08
96.583	0.00	0.00	0.002	0					0.08
96.667	0.00	0.00	0.002	0					0.08
96.750	0.00	0.00	0.001	0					0.07
96.833	0.00	0.00	0.001	0					0.07
96.917	0.00	0.00	0.001	0					0.07
97.000	0.00	0.00	0.001	0					0.07
97.083	0.00	0.00	0.001	0					0.07
97.167	0.00	0.00	0.001	0					0.07
97.250	0.00	0.00	0.001	0					0.07
97.333	0.00	0.00	0.001	0					0.06
97.417	0.00	0.00	0.001	0					0.06
97.500	0.00	0.00	0.001	0					0.06
97.583	0.00	0.00	0.001	0					0.06
97.667	0.00	0.00	0.001	0					0.06

97.750	0.00	0.00	0.001	0					0.06
97.833	0.00	0.00	0.001	0					0.06
97.917	0.00	0.00	0.001	0					0.06
98.000	0.00	0.00	0.001	0					0.05
98.083	0.00	0.00	0.001	0					0.05
98.167	0.00	0.00	0.001	0					0.05
98.250	0.00	0.00	0.001	0					0.05
98.333	0.00	0.00	0.001	0					0.05
98.417	0.00	0.00	0.001	0					0.05
98.500	0.00	0.00	0.001	0					0.05
98.583	0.00	0.00	0.001	0					0.05
98.667	0.00	0.00	0.001	0					0.05
98.750	0.00	0.00	0.001	0					0.05
98.833	0.00	0.00	0.001	0					0.04
98.917	0.00	0.00	0.001	0					0.04
99.000	0.00	0.00	0.001	0					0.04
99.083	0.00	0.00	0.001	0					0.04
99.167	0.00	0.00	0.001	0					0.04
99.250	0.00	0.00	0.001	0					0.04
99.333	0.00	0.00	0.001	0					0.04
99.417	0.00	0.00	0.001	0					0.04
99.500	0.00	0.00	0.001	0					0.04
99.583	0.00	0.00	0.001	0					0.04
99.667	0.00	0.00	0.001	0					0.04
99.750	0.00	0.00	0.001	0					0.04
99.833	0.00	0.00	0.001	0					0.03
99.917	0.00	0.00	0.001	0					0.03
100.000	0.00	0.00	0.001	0					0.03
100.083	0.00	0.00	0.001	0					0.03
100.167	0.00	0.00	0.001	0					0.03
100.250	0.00	0.00	0.001	0					0.03
100.333	0.00	0.00	0.001	0					0.03
100.417	0.00	0.00	0.001	0					0.03
100.500	0.00	0.00	0.001	0					0.03
100.583	0.00	0.00	0.001	0					0.03
100.667	0.00	0.00	0.001	0					0.03
100.750	0.00	0.00	0.001	0					0.03
100.833	0.00	0.00	0.001	0					0.03
100.917	0.00	0.00	0.001	0					0.03
101.000	0.00	0.00	0.001	0					0.03
101.083	0.00	0.00	0.001	0					0.03
101.167	0.00	0.00	0.000	0					0.02
101.250	0.00	0.00	0.000	0					0.02
101.333	0.00	0.00	0.000	0					0.02
101.417	0.00	0.00	0.000	0					0.02
101.500	0.00	0.00	0.000	0					0.02
101.583	0.00	0.00	0.000	0					0.02
101.667	0.00	0.00	0.000	0					0.02
101.750	0.00	0.00	0.000	0					0.02
101.833	0.00	0.00	0.000	0					0.02

101.917	0.00	0.00	0.000	0					0.02
102.000	0.00	0.00	0.000	0					0.02
102.083	0.00	0.00	0.000	0					0.02
102.167	0.00	0.00	0.000	0					0.02
102.250	0.00	0.00	0.000	0					0.02
102.333	0.00	0.00	0.000	0					0.02
102.417	0.00	0.00	0.000	0					0.02
102.500	0.00	0.00	0.000	0					0.02
102.583	0.00	0.00	0.000	0					0.02
102.667	0.00	0.00	0.000	0					0.02
102.750	0.00	0.00	0.000	0					0.02
102.833	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1234

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.046 (CFS)

Total volume = 0.214 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
2 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da232.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.850 (CFS)
Total volume = 0.156 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.93	1.39	1.85	Depth (Ft.)
0.083	0.16	0.00	0.001	0 I					0.03
0.167	0.27	0.01	0.002	0 I					0.10
0.250	0.27	0.01	0.004	0 I					0.13
0.333	0.30	0.01	0.006	0 I					0.17
0.417	0.33	0.01	0.008	0 I					0.21
0.500	0.37	0.01	0.010	0 I					0.26
0.583	0.36	0.01	0.013	0 I					0.30
0.667	0.38	0.01	0.015	0 I					0.35
0.750	0.40	0.01	0.018	0 I					0.40
0.833	0.37	0.01	0.020	0 I					0.45
0.917	0.35	0.02	0.023	0 I					0.49
1.000	0.38	0.02	0.025	0 I					0.54
1.083	0.45	0.02	0.028	0 I					0.59
1.167	0.49	0.02	0.031	0 I					0.65
1.250	0.49	0.02	0.034	0 I					0.71
1.333	0.47	0.02	0.037	0 I					0.77
1.417	0.52	0.02	0.040	0 I					0.84
1.500	0.58	0.03	0.044	0 I					0.91
1.583	0.57	0.03	0.048	0 I					0.98
1.667	0.58	0.03	0.052	0 I					1.03
1.750	0.67	0.03	0.056	0 I					1.08
1.833	0.70	0.03	0.060	0 I					1.14

1.917	0.67	0.03	0.065	0		I					1.20
2.000	0.66	0.03	0.069	0		I					1.25
2.083	0.68	0.03	0.074	0		I					1.31
2.167	0.83	0.03	0.079	0			I				1.37
2.250	1.02	0.03	0.085	0				I			1.45
2.333	0.92	0.03	0.091	0			I				1.53
2.417	1.23	0.03	0.098	0					I		1.62
2.500	1.59	0.04	0.108	0						I	1.74
2.583	1.85	0.04	0.119	0						I	1.88
2.667	1.60	0.04	0.131	0					I		2.02
2.750	0.89	0.04	0.139	0			I				2.11
2.833	0.49	0.04	0.144	0		I					2.16
2.917	0.41	0.04	0.147	0		I					2.19
3.000	0.26	0.04	0.149	0	I						2.21
3.083	0.08	0.04	0.150	0	I						2.22
3.167	0.01	0.04	0.150	0							2.22
3.250	0.00	0.04	0.149	0							2.21
3.333	0.00	0.04	0.149	0							2.21
3.417	0.00	0.04	0.149	0							2.21
3.500	0.00	0.04	0.148	0							2.20
3.583	0.00	0.04	0.148	0							2.20
3.667	0.00	0.04	0.148	0							2.20
3.750	0.00	0.04	0.148	0							2.20
3.833	0.00	0.04	0.147	0							2.19
3.917	0.00	0.04	0.147	0							2.19
4.000	0.00	0.04	0.147	0							2.19
4.083	0.00	0.04	0.146	0							2.18
4.167	0.00	0.04	0.146	0							2.18
4.250	0.00	0.04	0.146	0							2.18
4.333	0.00	0.04	0.146	0							2.18
4.417	0.00	0.04	0.145	0							2.17
4.500	0.00	0.04	0.145	0							2.17
4.583	0.00	0.04	0.145	0							2.17
4.667	0.00	0.04	0.145	0							2.16
4.750	0.00	0.04	0.144	0							2.16
4.833	0.00	0.04	0.144	0							2.16
4.917	0.00	0.04	0.144	0							2.15
5.000	0.00	0.04	0.143	0							2.15
5.083	0.00	0.04	0.143	0							2.15
5.167	0.00	0.04	0.143	0							2.15
5.250	0.00	0.04	0.143	0							2.14
5.333	0.00	0.04	0.142	0							2.14
5.417	0.00	0.04	0.142	0							2.14
5.500	0.00	0.04	0.142	0							2.13
5.583	0.00	0.04	0.141	0							2.13
5.667	0.00	0.04	0.141	0							2.13
5.750	0.00	0.04	0.141	0							2.13
5.833	0.00	0.04	0.141	0							2.12
5.917	0.00	0.04	0.140	0							2.12
6.000	0.00	0.04	0.140	0							2.12

6.083	0.00	0.04	0.140	0					2.11
6.167	0.00	0.04	0.140	0					2.11
6.250	0.00	0.04	0.139	0					2.11
6.333	0.00	0.04	0.139	0					2.11
6.417	0.00	0.04	0.139	0					2.10
6.500	0.00	0.04	0.138	0					2.10
6.583	0.00	0.04	0.138	0					2.10
6.667	0.00	0.04	0.138	0					2.09
6.750	0.00	0.04	0.138	0					2.09
6.833	0.00	0.04	0.137	0					2.09
6.917	0.00	0.04	0.137	0					2.09
7.000	0.00	0.04	0.137	0					2.08
7.083	0.00	0.04	0.137	0					2.08
7.167	0.00	0.04	0.136	0					2.08
7.250	0.00	0.04	0.136	0					2.07
7.333	0.00	0.04	0.136	0					2.07
7.417	0.00	0.04	0.135	0					2.07
7.500	0.00	0.04	0.135	0					2.06
7.583	0.00	0.04	0.135	0					2.06
7.667	0.00	0.04	0.135	0					2.06
7.750	0.00	0.04	0.134	0					2.06
7.833	0.00	0.04	0.134	0					2.05
7.917	0.00	0.04	0.134	0					2.05
8.000	0.00	0.04	0.134	0					2.05
8.083	0.00	0.04	0.133	0					2.04
8.167	0.00	0.04	0.133	0					2.04
8.250	0.00	0.04	0.133	0					2.04
8.333	0.00	0.04	0.132	0					2.04
8.417	0.00	0.04	0.132	0					2.03
8.500	0.00	0.04	0.132	0					2.03
8.583	0.00	0.04	0.132	0					2.03
8.667	0.00	0.04	0.131	0					2.02
8.750	0.00	0.04	0.131	0					2.02
8.833	0.00	0.04	0.131	0					2.02
8.917	0.00	0.04	0.131	0					2.02
9.000	0.00	0.04	0.130	0					2.01
9.083	0.00	0.04	0.130	0					2.01
9.167	0.00	0.04	0.130	0					2.01
9.250	0.00	0.04	0.129	0					2.01
9.333	0.00	0.04	0.129	0					2.00
9.417	0.00	0.04	0.129	0					2.00
9.500	0.00	0.04	0.129	0					2.00
9.583	0.00	0.04	0.128	0					1.99
9.667	0.00	0.04	0.128	0					1.99
9.750	0.00	0.04	0.128	0					1.99
9.833	0.00	0.04	0.128	0					1.98
9.917	0.00	0.04	0.127	0					1.98
10.000	0.00	0.04	0.127	0					1.98
10.083	0.00	0.04	0.127	0					1.97
10.167	0.00	0.04	0.127	0					1.97

10.250	0.00	0.04	0.126	0					1.97
10.333	0.00	0.04	0.126	0					1.96
10.417	0.00	0.04	0.126	0					1.96
10.500	0.00	0.04	0.125	0					1.96
10.583	0.00	0.04	0.125	0					1.95
10.667	0.00	0.04	0.125	0					1.95
10.750	0.00	0.04	0.125	0					1.95
10.833	0.00	0.04	0.124	0					1.94
10.917	0.00	0.04	0.124	0					1.94
11.000	0.00	0.04	0.124	0					1.94
11.083	0.00	0.04	0.124	0					1.93
11.167	0.00	0.04	0.123	0					1.93
11.250	0.00	0.04	0.123	0					1.93
11.333	0.00	0.04	0.123	0					1.92
11.417	0.00	0.04	0.123	0					1.92
11.500	0.00	0.04	0.122	0					1.92
11.583	0.00	0.04	0.122	0					1.91
11.667	0.00	0.04	0.122	0					1.91
11.750	0.00	0.04	0.122	0					1.91
11.833	0.00	0.04	0.121	0					1.90
11.917	0.00	0.04	0.121	0					1.90
12.000	0.00	0.04	0.121	0					1.90
12.083	0.00	0.04	0.120	0					1.89
12.167	0.00	0.04	0.120	0					1.89
12.250	0.00	0.04	0.120	0					1.89
12.333	0.00	0.04	0.120	0					1.88
12.417	0.00	0.04	0.119	0					1.88
12.500	0.00	0.04	0.119	0					1.88
12.583	0.00	0.04	0.119	0					1.87
12.667	0.00	0.04	0.119	0					1.87
12.750	0.00	0.04	0.118	0					1.87
12.833	0.00	0.04	0.118	0					1.86
12.917	0.00	0.04	0.118	0					1.86
13.000	0.00	0.04	0.118	0					1.86
13.083	0.00	0.04	0.117	0					1.85
13.167	0.00	0.04	0.117	0					1.85
13.250	0.00	0.04	0.117	0					1.85
13.333	0.00	0.04	0.117	0					1.84
13.417	0.00	0.04	0.116	0					1.84
13.500	0.00	0.04	0.116	0					1.84
13.583	0.00	0.04	0.116	0					1.84
13.667	0.00	0.04	0.116	0					1.83
13.750	0.00	0.04	0.115	0					1.83
13.833	0.00	0.04	0.115	0					1.83
13.917	0.00	0.04	0.115	0					1.82
14.000	0.00	0.04	0.115	0					1.82
14.083	0.00	0.04	0.114	0					1.82
14.167	0.00	0.04	0.114	0					1.81
14.250	0.00	0.04	0.114	0					1.81
14.333	0.00	0.04	0.114	0					1.81

14.417	0.00	0.04	0.113	0					1.80
14.500	0.00	0.04	0.113	0					1.80
14.583	0.00	0.04	0.113	0					1.80
14.667	0.00	0.04	0.113	0					1.79
14.750	0.00	0.04	0.112	0					1.79
14.833	0.00	0.04	0.112	0					1.79
14.917	0.00	0.04	0.112	0					1.78
15.000	0.00	0.04	0.112	0					1.78
15.083	0.00	0.04	0.111	0					1.78
15.167	0.00	0.04	0.111	0					1.78
15.250	0.00	0.04	0.111	0					1.77
15.333	0.00	0.04	0.111	0					1.77
15.417	0.00	0.04	0.110	0					1.77
15.500	0.00	0.04	0.110	0					1.76
15.583	0.00	0.04	0.110	0					1.76
15.667	0.00	0.04	0.110	0					1.76
15.750	0.00	0.04	0.109	0					1.75
15.833	0.00	0.04	0.109	0					1.75
15.917	0.00	0.04	0.109	0					1.75
16.000	0.00	0.04	0.109	0					1.74
16.083	0.00	0.04	0.108	0					1.74
16.167	0.00	0.04	0.108	0					1.74
16.250	0.00	0.04	0.108	0					1.73
16.333	0.00	0.04	0.108	0					1.73
16.417	0.00	0.04	0.107	0					1.73
16.500	0.00	0.04	0.107	0					1.73
16.583	0.00	0.04	0.107	0					1.72
16.667	0.00	0.04	0.107	0					1.72
16.750	0.00	0.04	0.106	0					1.72
16.833	0.00	0.04	0.106	0					1.71
16.917	0.00	0.04	0.106	0					1.71
17.000	0.00	0.04	0.106	0					1.71
17.083	0.00	0.04	0.105	0					1.70
17.167	0.00	0.04	0.105	0					1.70
17.250	0.00	0.04	0.105	0					1.70
17.333	0.00	0.04	0.105	0					1.69
17.417	0.00	0.04	0.104	0					1.69
17.500	0.00	0.04	0.104	0					1.69
17.583	0.00	0.04	0.104	0					1.69
17.667	0.00	0.04	0.104	0					1.68
17.750	0.00	0.04	0.103	0					1.68
17.833	0.00	0.04	0.103	0					1.68
17.917	0.00	0.04	0.103	0					1.67
18.000	0.00	0.04	0.103	0					1.67
18.083	0.00	0.04	0.102	0					1.67
18.167	0.00	0.04	0.102	0					1.66
18.250	0.00	0.04	0.102	0					1.66
18.333	0.00	0.04	0.102	0					1.66
18.417	0.00	0.04	0.101	0					1.65
18.500	0.00	0.04	0.101	0					1.65

18.583	0.00	0.04	0.101	0					1.65
18.667	0.00	0.04	0.101	0					1.65
18.750	0.00	0.04	0.100	0					1.64
18.833	0.00	0.04	0.100	0					1.64
18.917	0.00	0.04	0.100	0					1.64
19.000	0.00	0.03	0.100	0					1.63
19.083	0.00	0.03	0.099	0					1.63
19.167	0.00	0.03	0.099	0					1.63
19.250	0.00	0.03	0.099	0					1.62
19.333	0.00	0.03	0.099	0					1.62
19.417	0.00	0.03	0.098	0					1.62
19.500	0.00	0.03	0.098	0					1.62
19.583	0.00	0.03	0.098	0					1.61
19.667	0.00	0.03	0.098	0					1.61
19.750	0.00	0.03	0.098	0					1.61
19.833	0.00	0.03	0.097	0					1.60
19.917	0.00	0.03	0.097	0					1.60
20.000	0.00	0.03	0.097	0					1.60
20.083	0.00	0.03	0.097	0					1.59
20.167	0.00	0.03	0.096	0					1.59
20.250	0.00	0.03	0.096	0					1.59
20.333	0.00	0.03	0.096	0					1.59
20.417	0.00	0.03	0.096	0					1.58
20.500	0.00	0.03	0.095	0					1.58
20.583	0.00	0.03	0.095	0					1.58
20.667	0.00	0.03	0.095	0					1.57
20.750	0.00	0.03	0.095	0					1.57
20.833	0.00	0.03	0.094	0					1.57
20.917	0.00	0.03	0.094	0					1.57
21.000	0.00	0.03	0.094	0					1.56
21.083	0.00	0.03	0.094	0					1.56
21.167	0.00	0.03	0.093	0					1.56
21.250	0.00	0.03	0.093	0					1.55
21.333	0.00	0.03	0.093	0					1.55
21.417	0.00	0.03	0.093	0					1.55
21.500	0.00	0.03	0.093	0					1.54
21.583	0.00	0.03	0.092	0					1.54
21.667	0.00	0.03	0.092	0					1.54
21.750	0.00	0.03	0.092	0					1.54
21.833	0.00	0.03	0.092	0					1.53
21.917	0.00	0.03	0.091	0					1.53
22.000	0.00	0.03	0.091	0					1.53
22.083	0.00	0.03	0.091	0					1.52
22.167	0.00	0.03	0.091	0					1.52
22.250	0.00	0.03	0.090	0					1.52
22.333	0.00	0.03	0.090	0					1.52
22.417	0.00	0.03	0.090	0					1.51
22.500	0.00	0.03	0.090	0					1.51
22.583	0.00	0.03	0.090	0					1.51
22.667	0.00	0.03	0.089	0					1.50

22.750	0.00	0.03	0.089	0					1.50
22.833	0.00	0.03	0.089	0					1.50
22.917	0.00	0.03	0.089	0					1.50
23.000	0.00	0.03	0.088	0					1.49
23.083	0.00	0.03	0.088	0					1.49
23.167	0.00	0.03	0.088	0					1.49
23.250	0.00	0.03	0.088	0					1.48
23.333	0.00	0.03	0.087	0					1.48
23.417	0.00	0.03	0.087	0					1.48
23.500	0.00	0.03	0.087	0					1.48
23.583	0.00	0.03	0.087	0					1.47
23.667	0.00	0.03	0.087	0					1.47
23.750	0.00	0.03	0.086	0					1.47
23.833	0.00	0.03	0.086	0					1.46
23.917	0.00	0.03	0.086	0					1.46
24.000	0.00	0.03	0.086	0					1.46
24.083	0.00	0.03	0.085	0					1.46
24.167	0.00	0.03	0.085	0					1.45
24.250	0.00	0.03	0.085	0					1.45
24.333	0.00	0.03	0.085	0					1.45
24.417	0.00	0.03	0.085	0					1.44
24.500	0.00	0.03	0.084	0					1.44
24.583	0.00	0.03	0.084	0					1.44
24.667	0.00	0.03	0.084	0					1.44
24.750	0.00	0.03	0.084	0					1.43
24.833	0.00	0.03	0.083	0					1.43
24.917	0.00	0.03	0.083	0					1.43
25.000	0.00	0.03	0.083	0					1.42
25.083	0.00	0.03	0.083	0					1.42
25.167	0.00	0.03	0.082	0					1.42
25.250	0.00	0.03	0.082	0					1.42
25.333	0.00	0.03	0.082	0					1.41
25.417	0.00	0.03	0.082	0					1.41
25.500	0.00	0.03	0.082	0					1.41
25.583	0.00	0.03	0.081	0					1.40
25.667	0.00	0.03	0.081	0					1.40
25.750	0.00	0.03	0.081	0					1.40
25.833	0.00	0.03	0.081	0					1.40
25.917	0.00	0.03	0.080	0					1.39
26.000	0.00	0.03	0.080	0					1.39
26.083	0.00	0.03	0.080	0					1.39
26.167	0.00	0.03	0.080	0					1.38
26.250	0.00	0.03	0.080	0					1.38
26.333	0.00	0.03	0.079	0					1.38
26.417	0.00	0.03	0.079	0					1.38
26.500	0.00	0.03	0.079	0					1.37
26.583	0.00	0.03	0.079	0					1.37
26.667	0.00	0.03	0.078	0					1.37
26.750	0.00	0.03	0.078	0					1.37
26.833	0.00	0.03	0.078	0					1.36

26.917	0.00	0.03	0.078	0					1.36
27.000	0.00	0.03	0.078	0					1.36
27.083	0.00	0.03	0.077	0					1.35
27.167	0.00	0.03	0.077	0					1.35
27.250	0.00	0.03	0.077	0					1.35
27.333	0.00	0.03	0.077	0					1.35
27.417	0.00	0.03	0.076	0					1.34
27.500	0.00	0.03	0.076	0					1.34
27.583	0.00	0.03	0.076	0					1.34
27.667	0.00	0.03	0.076	0					1.34
27.750	0.00	0.03	0.076	0					1.33
27.833	0.00	0.03	0.075	0					1.33
27.917	0.00	0.03	0.075	0					1.33
28.000	0.00	0.03	0.075	0					1.32
28.083	0.00	0.03	0.075	0					1.32
28.167	0.00	0.03	0.075	0					1.32
28.250	0.00	0.03	0.074	0					1.32
28.333	0.00	0.03	0.074	0					1.31
28.417	0.00	0.03	0.074	0					1.31
28.500	0.00	0.03	0.074	0					1.31
28.583	0.00	0.03	0.073	0					1.31
28.667	0.00	0.03	0.073	0					1.30
28.750	0.00	0.03	0.073	0					1.30
28.833	0.00	0.03	0.073	0					1.30
28.917	0.00	0.03	0.073	0					1.29
29.000	0.00	0.03	0.072	0					1.29
29.083	0.00	0.03	0.072	0					1.29
29.167	0.00	0.03	0.072	0					1.29
29.250	0.00	0.03	0.072	0					1.28
29.333	0.00	0.03	0.072	0					1.28
29.417	0.00	0.03	0.071	0					1.28
29.500	0.00	0.03	0.071	0					1.28
29.583	0.00	0.03	0.071	0					1.27
29.667	0.00	0.03	0.071	0					1.27
29.750	0.00	0.03	0.070	0					1.27
29.833	0.00	0.03	0.070	0					1.27
29.917	0.00	0.03	0.070	0					1.26
30.000	0.00	0.03	0.070	0					1.26
30.083	0.00	0.03	0.070	0					1.26
30.167	0.00	0.03	0.069	0					1.25
30.250	0.00	0.03	0.069	0					1.25
30.333	0.00	0.03	0.069	0					1.25
30.417	0.00	0.03	0.069	0					1.25
30.500	0.00	0.03	0.069	0					1.24
30.583	0.00	0.03	0.068	0					1.24
30.667	0.00	0.03	0.068	0					1.24
30.750	0.00	0.03	0.068	0					1.24
30.833	0.00	0.03	0.068	0					1.23
30.917	0.00	0.03	0.067	0					1.23
31.000	0.00	0.03	0.067	0					1.23

31.083	0.00	0.03	0.067	0					1.23
31.167	0.00	0.03	0.067	0					1.22
31.250	0.00	0.03	0.067	0					1.22
31.333	0.00	0.03	0.066	0					1.22
31.417	0.00	0.03	0.066	0					1.22
31.500	0.00	0.03	0.066	0					1.21
31.583	0.00	0.03	0.066	0					1.21
31.667	0.00	0.03	0.066	0					1.21
31.750	0.00	0.03	0.065	0					1.20
31.833	0.00	0.03	0.065	0					1.20
31.917	0.00	0.03	0.065	0					1.20
32.000	0.00	0.03	0.065	0					1.20
32.083	0.00	0.03	0.065	0					1.19
32.167	0.00	0.03	0.064	0					1.19
32.250	0.00	0.03	0.064	0					1.19
32.333	0.00	0.03	0.064	0					1.19
32.417	0.00	0.03	0.064	0					1.18
32.500	0.00	0.03	0.064	0					1.18
32.583	0.00	0.03	0.063	0					1.18
32.667	0.00	0.03	0.063	0					1.18
32.750	0.00	0.03	0.063	0					1.17
32.833	0.00	0.03	0.063	0					1.17
32.917	0.00	0.03	0.062	0					1.17
33.000	0.00	0.03	0.062	0					1.17
33.083	0.00	0.03	0.062	0					1.16
33.167	0.00	0.03	0.062	0					1.16
33.250	0.00	0.03	0.062	0					1.16
33.333	0.00	0.03	0.061	0					1.16
33.417	0.00	0.03	0.061	0					1.15
33.500	0.00	0.03	0.061	0					1.15
33.583	0.00	0.03	0.061	0					1.15
33.667	0.00	0.03	0.061	0					1.15
33.750	0.00	0.03	0.060	0					1.14
33.833	0.00	0.03	0.060	0					1.14
33.917	0.00	0.03	0.060	0					1.14
34.000	0.00	0.03	0.060	0					1.14
34.083	0.00	0.03	0.060	0					1.13
34.167	0.00	0.03	0.059	0					1.13
34.250	0.00	0.03	0.059	0					1.13
34.333	0.00	0.03	0.059	0					1.13
34.417	0.00	0.03	0.059	0					1.12
34.500	0.00	0.03	0.059	0					1.12
34.583	0.00	0.03	0.058	0					1.12
34.667	0.00	0.03	0.058	0					1.12
34.750	0.00	0.03	0.058	0					1.11
34.833	0.00	0.03	0.058	0					1.11
34.917	0.00	0.03	0.058	0					1.11
35.000	0.00	0.03	0.057	0					1.11
35.083	0.00	0.03	0.057	0					1.10
35.167	0.00	0.03	0.057	0					1.10

35.250	0.00	0.03	0.057	0					1.10
35.333	0.00	0.03	0.057	0					1.10
35.417	0.00	0.03	0.056	0					1.09
35.500	0.00	0.03	0.056	0					1.09
35.583	0.00	0.03	0.056	0					1.09
35.667	0.00	0.03	0.056	0					1.09
35.750	0.00	0.03	0.056	0					1.08
35.833	0.00	0.03	0.055	0					1.08
35.917	0.00	0.03	0.055	0					1.08
36.000	0.00	0.03	0.055	0					1.08
36.083	0.00	0.03	0.055	0					1.07
36.167	0.00	0.03	0.055	0					1.07
36.250	0.00	0.03	0.054	0					1.07
36.333	0.00	0.03	0.054	0					1.07
36.417	0.00	0.03	0.054	0					1.06
36.500	0.00	0.03	0.054	0					1.06
36.583	0.00	0.03	0.054	0					1.06
36.667	0.00	0.03	0.053	0					1.06
36.750	0.00	0.03	0.053	0					1.05
36.833	0.00	0.03	0.053	0					1.05
36.917	0.00	0.03	0.053	0					1.05
37.000	0.00	0.03	0.053	0					1.05
37.083	0.00	0.03	0.052	0					1.04
37.167	0.00	0.03	0.052	0					1.04
37.250	0.00	0.03	0.052	0					1.04
37.333	0.00	0.03	0.052	0					1.04
37.417	0.00	0.03	0.052	0					1.03
37.500	0.00	0.03	0.051	0					1.03
37.583	0.00	0.03	0.051	0					1.03
37.667	0.00	0.03	0.051	0					1.03
37.750	0.00	0.03	0.051	0					1.02
37.833	0.00	0.03	0.051	0					1.02
37.917	0.00	0.03	0.050	0					1.02
38.000	0.00	0.03	0.050	0					1.02
38.083	0.00	0.03	0.050	0					1.01
38.167	0.00	0.03	0.050	0					1.01
38.250	0.00	0.03	0.050	0					1.01
38.333	0.00	0.03	0.050	0					1.01
38.417	0.00	0.03	0.049	0					1.00
38.500	0.00	0.03	0.049	0					1.00
38.583	0.00	0.03	0.049	0					1.00
38.667	0.00	0.03	0.049	0					1.00
38.750	0.00	0.03	0.049	0					0.99
38.833	0.00	0.03	0.048	0					0.99
38.917	0.00	0.03	0.048	0					0.98
39.000	0.00	0.03	0.048	0					0.98
39.083	0.00	0.03	0.048	0					0.98
39.167	0.00	0.03	0.048	0					0.97
39.250	0.00	0.03	0.047	0					0.97
39.333	0.00	0.03	0.047	0					0.97

39.417	0.00	0.03	0.047	0					0.96
39.500	0.00	0.03	0.047	0					0.96
39.583	0.00	0.03	0.047	0					0.96
39.667	0.00	0.03	0.046	0					0.95
39.750	0.00	0.03	0.046	0					0.95
39.833	0.00	0.03	0.046	0					0.94
39.917	0.00	0.03	0.046	0					0.94
40.000	0.00	0.03	0.046	0					0.94
40.083	0.00	0.03	0.046	0					0.93
40.167	0.00	0.03	0.045	0					0.93
40.250	0.00	0.03	0.045	0					0.93
40.333	0.00	0.03	0.045	0					0.92
40.417	0.00	0.03	0.045	0					0.92
40.500	0.00	0.03	0.045	0					0.92
40.583	0.00	0.03	0.044	0					0.91
40.667	0.00	0.03	0.044	0					0.91
40.750	0.00	0.03	0.044	0					0.91
40.833	0.00	0.03	0.044	0					0.90
40.917	0.00	0.03	0.044	0					0.90
41.000	0.00	0.03	0.044	0					0.90
41.083	0.00	0.03	0.043	0					0.89
41.167	0.00	0.03	0.043	0					0.89
41.250	0.00	0.03	0.043	0					0.89
41.333	0.00	0.03	0.043	0					0.88
41.417	0.00	0.03	0.043	0					0.88
41.500	0.00	0.02	0.043	0					0.88
41.583	0.00	0.02	0.042	0					0.87
41.667	0.00	0.02	0.042	0					0.87
41.750	0.00	0.02	0.042	0					0.87
41.833	0.00	0.02	0.042	0					0.86
41.917	0.00	0.02	0.042	0					0.86
42.000	0.00	0.02	0.042	0					0.86
42.083	0.00	0.02	0.041	0					0.85
42.167	0.00	0.02	0.041	0					0.85
42.250	0.00	0.02	0.041	0					0.85
42.333	0.00	0.02	0.041	0					0.84
42.417	0.00	0.02	0.041	0					0.84
42.500	0.00	0.02	0.041	0					0.84
42.583	0.00	0.02	0.040	0					0.83
42.667	0.00	0.02	0.040	0					0.83
42.750	0.00	0.02	0.040	0					0.83
42.833	0.00	0.02	0.040	0					0.83
42.917	0.00	0.02	0.040	0					0.82
43.000	0.00	0.02	0.040	0					0.82
43.083	0.00	0.02	0.039	0					0.82
43.167	0.00	0.02	0.039	0					0.81
43.250	0.00	0.02	0.039	0					0.81
43.333	0.00	0.02	0.039	0					0.81
43.417	0.00	0.02	0.039	0					0.80
43.500	0.00	0.02	0.039	0					0.80

43.583	0.00	0.02	0.038	0					0.80
43.667	0.00	0.02	0.038	0					0.79
43.750	0.00	0.02	0.038	0					0.79
43.833	0.00	0.02	0.038	0					0.79
43.917	0.00	0.02	0.038	0					0.79
44.000	0.00	0.02	0.038	0					0.78
44.083	0.00	0.02	0.037	0					0.78
44.167	0.00	0.02	0.037	0					0.78
44.250	0.00	0.02	0.037	0					0.77
44.333	0.00	0.02	0.037	0					0.77
44.417	0.00	0.02	0.037	0					0.77
44.500	0.00	0.02	0.037	0					0.76
44.583	0.00	0.02	0.037	0					0.76
44.667	0.00	0.02	0.036	0					0.76
44.750	0.00	0.02	0.036	0					0.76
44.833	0.00	0.02	0.036	0					0.75
44.917	0.00	0.02	0.036	0					0.75
45.000	0.00	0.02	0.036	0					0.75
45.083	0.00	0.02	0.036	0					0.74
45.167	0.00	0.02	0.036	0					0.74
45.250	0.00	0.02	0.035	0					0.74
45.333	0.00	0.02	0.035	0					0.74
45.417	0.00	0.02	0.035	0					0.73
45.500	0.00	0.02	0.035	0					0.73
45.583	0.00	0.02	0.035	0					0.73
45.667	0.00	0.02	0.035	0					0.72
45.750	0.00	0.02	0.034	0					0.72
45.833	0.00	0.02	0.034	0					0.72
45.917	0.00	0.02	0.034	0					0.72
46.000	0.00	0.02	0.034	0					0.71
46.083	0.00	0.02	0.034	0					0.71
46.167	0.00	0.02	0.034	0					0.71
46.250	0.00	0.02	0.034	0					0.71
46.333	0.00	0.02	0.033	0					0.70
46.417	0.00	0.02	0.033	0					0.70
46.500	0.00	0.02	0.033	0					0.70
46.583	0.00	0.02	0.033	0					0.69
46.667	0.00	0.02	0.033	0					0.69
46.750	0.00	0.02	0.033	0					0.69
46.833	0.00	0.02	0.033	0					0.69
46.917	0.00	0.02	0.032	0					0.68
47.000	0.00	0.02	0.032	0					0.68
47.083	0.00	0.02	0.032	0					0.68
47.167	0.00	0.02	0.032	0					0.68
47.250	0.00	0.02	0.032	0					0.67
47.333	0.00	0.02	0.032	0					0.67
47.417	0.00	0.02	0.032	0					0.67
47.500	0.00	0.02	0.032	0					0.67
47.583	0.00	0.02	0.031	0					0.66
47.667	0.00	0.02	0.031	0					0.66

47.750	0.00	0.02	0.031	0					0.66
47.833	0.00	0.02	0.031	0					0.65
47.917	0.00	0.02	0.031	0					0.65
48.000	0.00	0.02	0.031	0					0.65
48.083	0.00	0.02	0.031	0					0.65
48.167	0.00	0.02	0.030	0					0.64
48.250	0.00	0.02	0.030	0					0.64
48.333	0.00	0.02	0.030	0					0.64
48.417	0.00	0.02	0.030	0					0.64
48.500	0.00	0.02	0.030	0					0.63
48.583	0.00	0.02	0.030	0					0.63
48.667	0.00	0.02	0.030	0					0.63
48.750	0.00	0.02	0.030	0					0.63
48.833	0.00	0.02	0.029	0					0.62
48.917	0.00	0.02	0.029	0					0.62
49.000	0.00	0.02	0.029	0					0.62
49.083	0.00	0.02	0.029	0					0.62
49.167	0.00	0.02	0.029	0					0.61
49.250	0.00	0.02	0.029	0					0.61
49.333	0.00	0.02	0.029	0					0.61
49.417	0.00	0.02	0.028	0					0.61
49.500	0.00	0.02	0.028	0					0.60
49.583	0.00	0.02	0.028	0					0.60
49.667	0.00	0.02	0.028	0					0.60
49.750	0.00	0.02	0.028	0					0.60
49.833	0.00	0.02	0.028	0					0.60
49.917	0.00	0.02	0.028	0					0.59
50.000	0.00	0.02	0.028	0					0.59
50.083	0.00	0.02	0.027	0					0.59
50.167	0.00	0.02	0.027	0					0.59
50.250	0.00	0.02	0.027	0					0.58
50.333	0.00	0.02	0.027	0					0.58
50.417	0.00	0.02	0.027	0					0.58
50.500	0.00	0.02	0.027	0					0.58
50.583	0.00	0.02	0.027	0					0.57
50.667	0.00	0.02	0.027	0					0.57
50.750	0.00	0.02	0.027	0					0.57
50.833	0.00	0.02	0.026	0					0.57
50.917	0.00	0.02	0.026	0					0.56
51.000	0.00	0.02	0.026	0					0.56
51.083	0.00	0.02	0.026	0					0.56
51.167	0.00	0.02	0.026	0					0.56
51.250	0.00	0.02	0.026	0					0.56
51.333	0.00	0.02	0.026	0					0.55
51.417	0.00	0.02	0.026	0					0.55
51.500	0.00	0.02	0.025	0					0.55
51.583	0.00	0.02	0.025	0					0.55
51.667	0.00	0.02	0.025	0					0.54
51.750	0.00	0.02	0.025	0					0.54
51.833	0.00	0.02	0.025	0					0.54

51.917	0.00	0.02	0.025	0					0.54
52.000	0.00	0.02	0.025	0					0.54
52.083	0.00	0.02	0.025	0					0.53
52.167	0.00	0.02	0.025	0					0.53
52.250	0.00	0.02	0.024	0					0.53
52.333	0.00	0.02	0.024	0					0.53
52.417	0.00	0.02	0.024	0					0.52
52.500	0.00	0.02	0.024	0					0.52
52.583	0.00	0.02	0.024	0					0.52
52.667	0.00	0.02	0.024	0					0.52
52.750	0.00	0.02	0.024	0					0.52
52.833	0.00	0.02	0.024	0					0.51
52.917	0.00	0.02	0.024	0					0.51
53.000	0.00	0.02	0.023	0					0.51
53.083	0.00	0.02	0.023	0					0.51
53.167	0.00	0.02	0.023	0					0.51
53.250	0.00	0.02	0.023	0					0.50
53.333	0.00	0.02	0.023	0					0.50
53.417	0.00	0.02	0.023	0					0.50
53.500	0.00	0.02	0.023	0					0.50
53.583	0.00	0.02	0.023	0					0.50
53.667	0.00	0.02	0.023	0					0.49
53.750	0.00	0.02	0.022	0					0.49
53.833	0.00	0.02	0.022	0					0.49
53.917	0.00	0.02	0.022	0					0.49
54.000	0.00	0.02	0.022	0					0.48
54.083	0.00	0.02	0.022	0					0.48
54.167	0.00	0.02	0.022	0					0.48
54.250	0.00	0.02	0.022	0					0.48
54.333	0.00	0.02	0.022	0					0.48
54.417	0.00	0.02	0.022	0					0.47
54.500	0.00	0.02	0.021	0					0.47
54.583	0.00	0.02	0.021	0					0.47
54.667	0.00	0.02	0.021	0					0.47
54.750	0.00	0.01	0.021	0					0.47
54.833	0.00	0.01	0.021	0					0.46
54.917	0.00	0.01	0.021	0					0.46
55.000	0.00	0.01	0.021	0					0.46
55.083	0.00	0.01	0.021	0					0.46
55.167	0.00	0.01	0.021	0					0.46
55.250	0.00	0.01	0.021	0					0.46
55.333	0.00	0.01	0.020	0					0.45
55.417	0.00	0.01	0.020	0					0.45
55.500	0.00	0.01	0.020	0					0.45
55.583	0.00	0.01	0.020	0					0.45
55.667	0.00	0.01	0.020	0					0.45
55.750	0.00	0.01	0.020	0					0.44
55.833	0.00	0.01	0.020	0					0.44
55.917	0.00	0.01	0.020	0					0.44
56.000	0.00	0.01	0.020	0					0.44

56.083	0.00	0.01	0.020	0					0.44
56.167	0.00	0.01	0.019	0					0.43
56.250	0.00	0.01	0.019	0					0.43
56.333	0.00	0.01	0.019	0					0.43
56.417	0.00	0.01	0.019	0					0.43
56.500	0.00	0.01	0.019	0					0.43
56.583	0.00	0.01	0.019	0					0.42
56.667	0.00	0.01	0.019	0					0.42
56.750	0.00	0.01	0.019	0					0.42
56.833	0.00	0.01	0.019	0					0.42
56.917	0.00	0.01	0.019	0					0.42
57.000	0.00	0.01	0.018	0					0.42
57.083	0.00	0.01	0.018	0					0.41
57.167	0.00	0.01	0.018	0					0.41
57.250	0.00	0.01	0.018	0					0.41
57.333	0.00	0.01	0.018	0					0.41
57.417	0.00	0.01	0.018	0					0.41
57.500	0.00	0.01	0.018	0					0.41
57.583	0.00	0.01	0.018	0					0.40
57.667	0.00	0.01	0.018	0					0.40
57.750	0.00	0.01	0.018	0					0.40
57.833	0.00	0.01	0.018	0					0.40
57.917	0.00	0.01	0.017	0					0.40
58.000	0.00	0.01	0.017	0					0.39
58.083	0.00	0.01	0.017	0					0.39
58.167	0.00	0.01	0.017	0					0.39
58.250	0.00	0.01	0.017	0					0.39
58.333	0.00	0.01	0.017	0					0.39
58.417	0.00	0.01	0.017	0					0.39
58.500	0.00	0.01	0.017	0					0.38
58.583	0.00	0.01	0.017	0					0.38
58.667	0.00	0.01	0.017	0					0.38
58.750	0.00	0.01	0.017	0					0.38
58.833	0.00	0.01	0.016	0					0.38
58.917	0.00	0.01	0.016	0					0.38
59.000	0.00	0.01	0.016	0					0.37
59.083	0.00	0.01	0.016	0					0.37
59.167	0.00	0.01	0.016	0					0.37
59.250	0.00	0.01	0.016	0					0.37
59.333	0.00	0.01	0.016	0					0.37
59.417	0.00	0.01	0.016	0					0.37
59.500	0.00	0.01	0.016	0					0.36
59.583	0.00	0.01	0.016	0					0.36
59.667	0.00	0.01	0.016	0					0.36
59.750	0.00	0.01	0.016	0					0.36
59.833	0.00	0.01	0.015	0					0.36
59.917	0.00	0.01	0.015	0					0.36
60.000	0.00	0.01	0.015	0					0.35
60.083	0.00	0.01	0.015	0					0.35
60.167	0.00	0.01	0.015	0					0.35

60.250	0.00	0.01	0.015	0					0.35
60.333	0.00	0.01	0.015	0					0.35
60.417	0.00	0.01	0.015	0					0.35
60.500	0.00	0.01	0.015	0					0.34
60.583	0.00	0.01	0.015	0					0.34
60.667	0.00	0.01	0.015	0					0.34
60.750	0.00	0.01	0.015	0					0.34
60.833	0.00	0.01	0.014	0					0.34
60.917	0.00	0.01	0.014	0					0.34
61.000	0.00	0.01	0.014	0					0.34
61.083	0.00	0.01	0.014	0					0.33
61.167	0.00	0.01	0.014	0					0.33
61.250	0.00	0.01	0.014	0					0.33
61.333	0.00	0.01	0.014	0					0.33
61.417	0.00	0.01	0.014	0					0.33
61.500	0.00	0.01	0.014	0					0.33
61.583	0.00	0.01	0.014	0					0.32
61.667	0.00	0.01	0.014	0					0.32
61.750	0.00	0.01	0.014	0					0.32
61.833	0.00	0.01	0.013	0					0.32
61.917	0.00	0.01	0.013	0					0.32
62.000	0.00	0.01	0.013	0					0.32
62.083	0.00	0.01	0.013	0					0.32
62.167	0.00	0.01	0.013	0					0.31
62.250	0.00	0.01	0.013	0					0.31
62.333	0.00	0.01	0.013	0					0.31
62.417	0.00	0.01	0.013	0					0.31
62.500	0.00	0.01	0.013	0					0.31
62.583	0.00	0.01	0.013	0					0.31
62.667	0.00	0.01	0.013	0					0.31
62.750	0.00	0.01	0.013	0					0.30
62.833	0.00	0.01	0.013	0					0.30
62.917	0.00	0.01	0.012	0					0.30
63.000	0.00	0.01	0.012	0					0.30
63.083	0.00	0.01	0.012	0					0.30
63.167	0.00	0.01	0.012	0					0.30
63.250	0.00	0.01	0.012	0					0.30
63.333	0.00	0.01	0.012	0					0.29
63.417	0.00	0.01	0.012	0					0.29
63.500	0.00	0.01	0.012	0					0.29
63.583	0.00	0.01	0.012	0					0.29
63.667	0.00	0.01	0.012	0					0.29
63.750	0.00	0.01	0.012	0					0.29
63.833	0.00	0.01	0.012	0					0.29
63.917	0.00	0.01	0.012	0					0.28
64.000	0.00	0.01	0.012	0					0.28
64.083	0.00	0.01	0.011	0					0.28
64.167	0.00	0.01	0.011	0					0.28
64.250	0.00	0.01	0.011	0					0.28
64.333	0.00	0.01	0.011	0					0.28

64.417	0.00	0.01	0.011	0					0.28
64.500	0.00	0.01	0.011	0					0.27
64.583	0.00	0.01	0.011	0					0.27
64.667	0.00	0.01	0.011	0					0.27
64.750	0.00	0.01	0.011	0					0.27
64.833	0.00	0.01	0.011	0					0.27
64.917	0.00	0.01	0.011	0					0.27
65.000	0.00	0.01	0.011	0					0.27
65.083	0.00	0.01	0.011	0					0.27
65.167	0.00	0.01	0.011	0					0.26
65.250	0.00	0.01	0.010	0					0.26
65.333	0.00	0.01	0.010	0					0.26
65.417	0.00	0.01	0.010	0					0.26
65.500	0.00	0.01	0.010	0					0.26
65.583	0.00	0.01	0.010	0					0.26
65.667	0.00	0.01	0.010	0					0.26
65.750	0.00	0.01	0.010	0					0.25
65.833	0.00	0.01	0.010	0					0.25
65.917	0.00	0.01	0.010	0					0.25
66.000	0.00	0.01	0.010	0					0.25
66.083	0.00	0.01	0.010	0					0.25
66.167	0.00	0.01	0.010	0					0.25
66.250	0.00	0.01	0.010	0					0.25
66.333	0.00	0.01	0.010	0					0.25
66.417	0.00	0.01	0.010	0					0.24
66.500	0.00	0.01	0.009	0					0.24
66.583	0.00	0.01	0.009	0					0.24
66.667	0.00	0.01	0.009	0					0.24
66.750	0.00	0.01	0.009	0					0.24
66.833	0.00	0.01	0.009	0					0.24
66.917	0.00	0.01	0.009	0					0.24
67.000	0.00	0.01	0.009	0					0.24
67.083	0.00	0.01	0.009	0					0.23
67.167	0.00	0.01	0.009	0					0.23
67.250	0.00	0.01	0.009	0					0.23
67.333	0.00	0.01	0.009	0					0.23
67.417	0.00	0.01	0.009	0					0.23
67.500	0.00	0.01	0.009	0					0.23
67.583	0.00	0.01	0.009	0					0.23
67.667	0.00	0.01	0.009	0					0.23
67.750	0.00	0.01	0.009	0					0.22
67.833	0.00	0.01	0.008	0					0.22
67.917	0.00	0.01	0.008	0					0.22
68.000	0.00	0.01	0.008	0					0.22
68.083	0.00	0.01	0.008	0					0.22
68.167	0.00	0.01	0.008	0					0.22
68.250	0.00	0.01	0.008	0					0.22
68.333	0.00	0.01	0.008	0					0.22
68.417	0.00	0.01	0.008	0					0.22
68.500	0.00	0.01	0.008	0					0.21

68.583	0.00	0.01	0.008	0					0.21
68.667	0.00	0.01	0.008	0					0.21
68.750	0.00	0.01	0.008	0					0.21
68.833	0.00	0.01	0.008	0					0.21
68.917	0.00	0.01	0.008	0					0.21
69.000	0.00	0.01	0.008	0					0.21
69.083	0.00	0.01	0.008	0					0.21
69.167	0.00	0.01	0.007	0					0.21
69.250	0.00	0.01	0.007	0					0.20
69.333	0.00	0.01	0.007	0					0.20
69.417	0.00	0.01	0.007	0					0.20
69.500	0.00	0.01	0.007	0					0.20
69.583	0.00	0.01	0.007	0					0.20
69.667	0.00	0.01	0.007	0					0.20
69.750	0.00	0.01	0.007	0					0.20
69.833	0.00	0.01	0.007	0					0.20
69.917	0.00	0.01	0.007	0					0.20
70.000	0.00	0.01	0.007	0					0.19
70.083	0.00	0.01	0.007	0					0.19
70.167	0.00	0.01	0.007	0					0.19
70.250	0.00	0.01	0.007	0					0.19
70.333	0.00	0.01	0.007	0					0.19
70.417	0.00	0.01	0.007	0					0.19
70.500	0.00	0.01	0.007	0					0.19
70.583	0.00	0.01	0.007	0					0.19
70.667	0.00	0.01	0.006	0					0.19
70.750	0.00	0.01	0.006	0					0.18
70.833	0.00	0.01	0.006	0					0.18
70.917	0.00	0.01	0.006	0					0.18
71.000	0.00	0.01	0.006	0					0.18
71.083	0.00	0.01	0.006	0					0.18
71.167	0.00	0.01	0.006	0					0.18
71.250	0.00	0.01	0.006	0					0.18
71.333	0.00	0.01	0.006	0					0.18
71.417	0.00	0.01	0.006	0					0.18
71.500	0.00	0.01	0.006	0					0.17
71.583	0.00	0.01	0.006	0					0.17
71.667	0.00	0.01	0.006	0					0.17
71.750	0.00	0.01	0.006	0					0.17
71.833	0.00	0.01	0.006	0					0.17
71.917	0.00	0.01	0.006	0					0.17
72.000	0.00	0.01	0.006	0					0.17
72.083	0.00	0.01	0.006	0					0.17
72.167	0.00	0.01	0.005	0					0.17
72.250	0.00	0.01	0.005	0					0.17
72.333	0.00	0.01	0.005	0					0.16
72.417	0.00	0.01	0.005	0					0.16
72.500	0.00	0.01	0.005	0					0.16
72.583	0.00	0.01	0.005	0					0.16
72.667	0.00	0.01	0.005	0					0.16

72.750	0.00	0.01	0.005	0					0.16
72.833	0.00	0.01	0.005	0					0.16
72.917	0.00	0.01	0.005	0					0.16
73.000	0.00	0.01	0.005	0					0.16
73.083	0.00	0.01	0.005	0					0.16
73.167	0.00	0.01	0.005	0					0.15
73.250	0.00	0.01	0.005	0					0.15
73.333	0.00	0.01	0.005	0					0.15
73.417	0.00	0.01	0.005	0					0.15
73.500	0.00	0.01	0.005	0					0.15
73.583	0.00	0.01	0.005	0					0.15
73.667	0.00	0.01	0.005	0					0.15
73.750	0.00	0.01	0.005	0					0.15
73.833	0.00	0.01	0.004	0					0.15
73.917	0.00	0.01	0.004	0					0.15
74.000	0.00	0.01	0.004	0					0.15
74.083	0.00	0.01	0.004	0					0.14
74.167	0.00	0.01	0.004	0					0.14
74.250	0.00	0.01	0.004	0					0.14
74.333	0.00	0.01	0.004	0					0.14
74.417	0.00	0.01	0.004	0					0.14
74.500	0.00	0.01	0.004	0					0.14
74.583	0.00	0.01	0.004	0					0.14
74.667	0.00	0.01	0.004	0					0.14
74.750	0.00	0.01	0.004	0					0.14
74.833	0.00	0.01	0.004	0					0.14
74.917	0.00	0.01	0.004	0					0.14
75.000	0.00	0.01	0.004	0					0.13
75.083	0.00	0.01	0.004	0					0.13
75.167	0.00	0.01	0.004	0					0.13
75.250	0.00	0.01	0.004	0					0.13
75.333	0.00	0.01	0.004	0					0.13
75.417	0.00	0.01	0.004	0					0.13
75.500	0.00	0.01	0.004	0					0.13
75.583	0.00	0.01	0.003	0					0.13
75.667	0.00	0.01	0.003	0					0.13
75.750	0.00	0.01	0.003	0					0.13
75.833	0.00	0.01	0.003	0					0.13
75.917	0.00	0.01	0.003	0					0.12
76.000	0.00	0.01	0.003	0					0.12
76.083	0.00	0.01	0.003	0					0.12
76.167	0.00	0.01	0.003	0					0.12
76.250	0.00	0.01	0.003	0					0.12
76.333	0.00	0.01	0.003	0					0.12
76.417	0.00	0.01	0.003	0					0.12
76.500	0.00	0.01	0.003	0					0.12
76.583	0.00	0.01	0.003	0					0.12
76.667	0.00	0.01	0.003	0					0.12
76.750	0.00	0.01	0.003	0					0.12
76.833	0.00	0.01	0.003	0					0.12

76.917	0.00	0.01	0.003	0					0.11
77.000	0.00	0.01	0.003	0					0.11
77.083	0.00	0.01	0.003	0					0.11
77.167	0.00	0.01	0.003	0					0.11
77.250	0.00	0.01	0.003	0					0.11
77.333	0.00	0.01	0.003	0					0.11
77.417	0.00	0.01	0.002	0					0.11
77.500	0.00	0.01	0.002	0					0.11
77.583	0.00	0.01	0.002	0					0.11
77.667	0.00	0.01	0.002	0					0.11
77.750	0.00	0.01	0.002	0					0.11
77.833	0.00	0.01	0.002	0					0.11
77.917	0.00	0.01	0.002	0					0.10
78.000	0.00	0.01	0.002	0					0.10
78.083	0.00	0.01	0.002	0					0.10
78.167	0.00	0.01	0.002	0					0.10
78.250	0.00	0.01	0.002	0					0.10
78.333	0.00	0.01	0.002	0					0.10
78.417	0.00	0.01	0.002	0					0.10
78.500	0.00	0.01	0.002	0					0.10
78.583	0.00	0.01	0.002	0					0.10
78.667	0.00	0.01	0.002	0					0.09
78.750	0.00	0.01	0.002	0					0.09
78.833	0.00	0.01	0.002	0					0.09
78.917	0.00	0.01	0.002	0					0.09
79.000	0.00	0.01	0.002	0					0.09
79.083	0.00	0.01	0.002	0					0.08
79.167	0.00	0.00	0.002	0					0.08
79.250	0.00	0.00	0.002	0					0.08
79.333	0.00	0.00	0.002	0					0.08
79.417	0.00	0.00	0.002	0					0.08
79.500	0.00	0.00	0.002	0					0.08
79.583	0.00	0.00	0.001	0					0.07
79.667	0.00	0.00	0.001	0					0.07
79.750	0.00	0.00	0.001	0					0.07
79.833	0.00	0.00	0.001	0					0.07
79.917	0.00	0.00	0.001	0					0.07
80.000	0.00	0.00	0.001	0					0.07
80.083	0.00	0.00	0.001	0					0.07
80.167	0.00	0.00	0.001	0					0.06
80.250	0.00	0.00	0.001	0					0.06
80.333	0.00	0.00	0.001	0					0.06
80.417	0.00	0.00	0.001	0					0.06
80.500	0.00	0.00	0.001	0					0.06
80.583	0.00	0.00	0.001	0					0.06
80.667	0.00	0.00	0.001	0					0.06
80.750	0.00	0.00	0.001	0					0.06
80.833	0.00	0.00	0.001	0					0.05
80.917	0.00	0.00	0.001	0					0.05
81.000	0.00	0.00	0.001	0					0.05

81.083	0.00	0.00	0.001	0					0.05
81.167	0.00	0.00	0.001	0					0.05
81.250	0.00	0.00	0.001	0					0.05
81.333	0.00	0.00	0.001	0					0.05
81.417	0.00	0.00	0.001	0					0.05
81.500	0.00	0.00	0.001	0					0.05
81.583	0.00	0.00	0.001	0					0.05
81.667	0.00	0.00	0.001	0					0.04
81.750	0.00	0.00	0.001	0					0.04
81.833	0.00	0.00	0.001	0					0.04
81.917	0.00	0.00	0.001	0					0.04
82.000	0.00	0.00	0.001	0					0.04
82.083	0.00	0.00	0.001	0					0.04
82.167	0.00	0.00	0.001	0					0.04
82.250	0.00	0.00	0.001	0					0.04
82.333	0.00	0.00	0.001	0					0.04
82.417	0.00	0.00	0.001	0					0.04
82.500	0.00	0.00	0.001	0					0.04
82.583	0.00	0.00	0.001	0					0.04
82.667	0.00	0.00	0.001	0					0.03
82.750	0.00	0.00	0.001	0					0.03
82.833	0.00	0.00	0.001	0					0.03
82.917	0.00	0.00	0.001	0					0.03
83.000	0.00	0.00	0.001	0					0.03
83.083	0.00	0.00	0.001	0					0.03
83.167	0.00	0.00	0.001	0					0.03
83.250	0.00	0.00	0.001	0					0.03
83.333	0.00	0.00	0.001	0					0.03
83.417	0.00	0.00	0.001	0					0.03
83.500	0.00	0.00	0.001	0					0.03
83.583	0.00	0.00	0.001	0					0.03
83.667	0.00	0.00	0.001	0					0.03
83.750	0.00	0.00	0.001	0					0.03
83.833	0.00	0.00	0.001	0					0.03
83.917	0.00	0.00	0.001	0					0.03
84.000	0.00	0.00	0.000	0					0.02
84.083	0.00	0.00	0.000	0					0.02
84.167	0.00	0.00	0.000	0					0.02
84.250	0.00	0.00	0.000	0					0.02
84.333	0.00	0.00	0.000	0					0.02
84.417	0.00	0.00	0.000	0					0.02
84.500	0.00	0.00	0.000	0					0.02
84.583	0.00	0.00	0.000	0					0.02
84.667	0.00	0.00	0.000	0					0.02
84.750	0.00	0.00	0.000	0					0.02
84.833	0.00	0.00	0.000	0					0.02
84.917	0.00	0.00	0.000	0					0.02
85.000	0.00	0.00	0.000	0					0.02
85.083	0.00	0.00	0.000	0					0.02
85.167	0.00	0.00	0.000	0					0.02

85.250	0.00	0.00	0.000	0					0.02
85.333	0.00	0.00	0.000	0					0.02
85.417	0.00	0.00	0.000	0					0.02
85.500	0.00	0.00	0.000	0					0.02
85.583	0.00	0.00	0.000	0					0.02
85.667	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1028

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.041 (CFS)

Total volume = 0.156 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP2
2 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da212.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.189 (CFS)
Total volume = 0.094 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.049	0.028	0.049	0.049
2.000	0.129	0.039	0.129	0.129
3.000	0.224	0.048	0.224	0.224
4.000	0.322	0.056	0.322	0.322
4.500	0.371	0.060	0.371	0.371
4.750	0.394	0.105	0.394	0.394
5.000	0.416	0.151	0.415	0.417
5.250	0.438	0.366	0.437	0.439
5.500	0.459	0.571	0.457	0.461
6.000	0.497	0.877	0.494	0.500
7.000	0.544	1.272	0.540	0.548

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.59	2.39	3.19	Depth (Ft.)
0.083	0.29	0.00	0.001	0 I					0.05
0.167	0.51	0.01	0.004	0 I					0.13
0.250	0.60	0.01	0.007	0 I					0.21
0.333	0.63	0.01	0.012	0 I					0.29
0.417	0.70	0.01	0.016	0 I					0.37
0.500	0.79	0.01	0.021	0 I					0.47
0.583	0.89	0.02	0.027	0 I					0.58
0.667	1.02	0.02	0.033	0 I	I				0.70
0.750	1.38	0.02	0.041	0 I	I				0.86
0.833	3.19	0.03	0.057	0 I				I	1.10
0.917	2.33	0.03	0.076	0 I			I		1.33
1.000	1.01	0.03	0.087	0 I	I				1.48
1.083	0.31	0.03	0.091	0 I					1.53
1.167	0.05	0.03	0.092	0 I					1.54
1.250	0.00	0.03	0.092	0 I					1.54
1.333	0.00	0.03	0.092	0 I					1.54
1.417	0.00	0.03	0.092	0 I					1.54
1.500	0.00	0.03	0.092	0 I					1.53
1.583	0.00	0.03	0.091	0 I					1.53
1.667	0.00	0.03	0.091	0 I					1.53
1.750	0.00	0.03	0.091	0 I					1.52
1.833	0.00	0.03	0.091	0 I					1.52

1.917	0.00	0.03	0.090	0					1.52
2.000	0.00	0.03	0.090	0					1.51
2.083	0.00	0.03	0.090	0					1.51
2.167	0.00	0.03	0.090	0					1.51
2.250	0.00	0.03	0.089	0					1.51
2.333	0.00	0.03	0.089	0					1.50
2.417	0.00	0.03	0.089	0					1.50
2.500	0.00	0.03	0.089	0					1.50
2.583	0.00	0.03	0.089	0					1.49
2.667	0.00	0.03	0.088	0					1.49
2.750	0.00	0.03	0.088	0					1.49
2.833	0.00	0.03	0.088	0					1.49
2.917	0.00	0.03	0.088	0					1.48
3.000	0.00	0.03	0.087	0					1.48
3.083	0.00	0.03	0.087	0					1.48
3.167	0.00	0.03	0.087	0					1.47
3.250	0.00	0.03	0.087	0					1.47
3.333	0.00	0.03	0.086	0					1.47
3.417	0.00	0.03	0.086	0					1.47
3.500	0.00	0.03	0.086	0					1.46
3.583	0.00	0.03	0.086	0					1.46
3.667	0.00	0.03	0.086	0					1.46
3.750	0.00	0.03	0.085	0					1.45
3.833	0.00	0.03	0.085	0					1.45
3.917	0.00	0.03	0.085	0					1.45
4.000	0.00	0.03	0.085	0					1.45
4.083	0.00	0.03	0.084	0					1.44
4.167	0.00	0.03	0.084	0					1.44
4.250	0.00	0.03	0.084	0					1.44
4.333	0.00	0.03	0.084	0					1.43
4.417	0.00	0.03	0.084	0					1.43
4.500	0.00	0.03	0.083	0					1.43
4.583	0.00	0.03	0.083	0					1.43
4.667	0.00	0.03	0.083	0					1.42
4.750	0.00	0.03	0.083	0					1.42
4.833	0.00	0.03	0.082	0					1.42
4.917	0.00	0.03	0.082	0					1.41
5.000	0.00	0.03	0.082	0					1.41
5.083	0.00	0.03	0.082	0					1.41
5.167	0.00	0.03	0.082	0					1.41
5.250	0.00	0.03	0.081	0					1.40
5.333	0.00	0.03	0.081	0					1.40
5.417	0.00	0.03	0.081	0					1.40
5.500	0.00	0.03	0.081	0					1.40
5.583	0.00	0.03	0.080	0					1.39
5.667	0.00	0.03	0.080	0					1.39
5.750	0.00	0.03	0.080	0					1.39
5.833	0.00	0.03	0.080	0					1.38
5.917	0.00	0.03	0.080	0					1.38
6.000	0.00	0.03	0.079	0					1.38

6.083	0.00	0.03	0.079	0					1.38
6.167	0.00	0.03	0.079	0					1.37
6.250	0.00	0.03	0.079	0					1.37
6.333	0.00	0.03	0.078	0					1.37
6.417	0.00	0.03	0.078	0					1.36
6.500	0.00	0.03	0.078	0					1.36
6.583	0.00	0.03	0.078	0					1.36
6.667	0.00	0.03	0.078	0					1.36
6.750	0.00	0.03	0.077	0					1.35
6.833	0.00	0.03	0.077	0					1.35
6.917	0.00	0.03	0.077	0					1.35
7.000	0.00	0.03	0.077	0					1.35
7.083	0.00	0.03	0.076	0					1.34
7.167	0.00	0.03	0.076	0					1.34
7.250	0.00	0.03	0.076	0					1.34
7.333	0.00	0.03	0.076	0					1.33
7.417	0.00	0.03	0.076	0					1.33
7.500	0.00	0.03	0.075	0					1.33
7.583	0.00	0.03	0.075	0					1.33
7.667	0.00	0.03	0.075	0					1.32
7.750	0.00	0.03	0.075	0					1.32
7.833	0.00	0.03	0.074	0					1.32
7.917	0.00	0.03	0.074	0					1.32
8.000	0.00	0.03	0.074	0					1.31
8.083	0.00	0.03	0.074	0					1.31
8.167	0.00	0.03	0.074	0					1.31
8.250	0.00	0.03	0.073	0					1.30
8.333	0.00	0.03	0.073	0					1.30
8.417	0.00	0.03	0.073	0					1.30
8.500	0.00	0.03	0.073	0					1.30
8.583	0.00	0.03	0.073	0					1.29
8.667	0.00	0.03	0.072	0					1.29
8.750	0.00	0.03	0.072	0					1.29
8.833	0.00	0.03	0.072	0					1.29
8.917	0.00	0.03	0.072	0					1.28
9.000	0.00	0.03	0.071	0					1.28
9.083	0.00	0.03	0.071	0					1.28
9.167	0.00	0.03	0.071	0					1.28
9.250	0.00	0.03	0.071	0					1.27
9.333	0.00	0.03	0.071	0					1.27
9.417	0.00	0.03	0.070	0					1.27
9.500	0.00	0.03	0.070	0					1.26
9.583	0.00	0.03	0.070	0					1.26
9.667	0.00	0.03	0.070	0					1.26
9.750	0.00	0.03	0.070	0					1.26
9.833	0.00	0.03	0.069	0					1.25
9.917	0.00	0.03	0.069	0					1.25
10.000	0.00	0.03	0.069	0					1.25
10.083	0.00	0.03	0.069	0					1.25
10.167	0.00	0.03	0.068	0					1.24

10.250	0.00	0.03	0.068	0					1.24
10.333	0.00	0.03	0.068	0					1.24
10.417	0.00	0.03	0.068	0					1.24
10.500	0.00	0.03	0.068	0					1.23
10.583	0.00	0.03	0.067	0					1.23
10.667	0.00	0.03	0.067	0					1.23
10.750	0.00	0.03	0.067	0					1.23
10.833	0.00	0.03	0.067	0					1.22
10.917	0.00	0.03	0.067	0					1.22
11.000	0.00	0.03	0.066	0					1.22
11.083	0.00	0.03	0.066	0					1.21
11.167	0.00	0.03	0.066	0					1.21
11.250	0.00	0.03	0.066	0					1.21
11.333	0.00	0.03	0.066	0					1.21
11.417	0.00	0.03	0.065	0					1.20
11.500	0.00	0.03	0.065	0					1.20
11.583	0.00	0.03	0.065	0					1.20
11.667	0.00	0.03	0.065	0					1.20
11.750	0.00	0.03	0.065	0					1.19
11.833	0.00	0.03	0.064	0					1.19
11.917	0.00	0.03	0.064	0					1.19
12.000	0.00	0.03	0.064	0					1.19
12.083	0.00	0.03	0.064	0					1.18
12.167	0.00	0.03	0.063	0					1.18
12.250	0.00	0.03	0.063	0					1.18
12.333	0.00	0.03	0.063	0					1.18
12.417	0.00	0.03	0.063	0					1.17
12.500	0.00	0.03	0.063	0					1.17
12.583	0.00	0.03	0.062	0					1.17
12.667	0.00	0.03	0.062	0					1.17
12.750	0.00	0.03	0.062	0					1.16
12.833	0.00	0.03	0.062	0					1.16
12.917	0.00	0.03	0.062	0					1.16
13.000	0.00	0.03	0.061	0					1.16
13.083	0.00	0.03	0.061	0					1.15
13.167	0.00	0.03	0.061	0					1.15
13.250	0.00	0.03	0.061	0					1.15
13.333	0.00	0.03	0.061	0					1.14
13.417	0.00	0.03	0.060	0					1.14
13.500	0.00	0.03	0.060	0					1.14
13.583	0.00	0.03	0.060	0					1.14
13.667	0.00	0.03	0.060	0					1.13
13.750	0.00	0.03	0.060	0					1.13
13.833	0.00	0.03	0.059	0					1.13
13.917	0.00	0.03	0.059	0					1.13
14.000	0.00	0.03	0.059	0					1.12
14.083	0.00	0.03	0.059	0					1.12
14.167	0.00	0.03	0.059	0					1.12
14.250	0.00	0.03	0.058	0					1.12
14.333	0.00	0.03	0.058	0					1.11

14.417	0.00	0.03	0.058	0					1.11
14.500	0.00	0.03	0.058	0					1.11
14.583	0.00	0.03	0.058	0					1.11
14.667	0.00	0.03	0.057	0					1.10
14.750	0.00	0.03	0.057	0					1.10
14.833	0.00	0.03	0.057	0					1.10
14.917	0.00	0.03	0.057	0					1.10
15.000	0.00	0.03	0.057	0					1.09
15.083	0.00	0.03	0.056	0					1.09
15.167	0.00	0.03	0.056	0					1.09
15.250	0.00	0.03	0.056	0					1.09
15.333	0.00	0.03	0.056	0					1.08
15.417	0.00	0.03	0.056	0					1.08
15.500	0.00	0.03	0.055	0					1.08
15.583	0.00	0.03	0.055	0					1.08
15.667	0.00	0.03	0.055	0					1.07
15.750	0.00	0.03	0.055	0					1.07
15.833	0.00	0.03	0.055	0					1.07
15.917	0.00	0.03	0.054	0					1.07
16.000	0.00	0.03	0.054	0					1.06
16.083	0.00	0.03	0.054	0					1.06
16.167	0.00	0.03	0.054	0					1.06
16.250	0.00	0.03	0.054	0					1.06
16.333	0.00	0.03	0.053	0					1.05
16.417	0.00	0.03	0.053	0					1.05
16.500	0.00	0.03	0.053	0					1.05
16.583	0.00	0.03	0.053	0					1.05
16.667	0.00	0.03	0.053	0					1.04
16.750	0.00	0.03	0.052	0					1.04
16.833	0.00	0.03	0.052	0					1.04
16.917	0.00	0.03	0.052	0					1.04
17.000	0.00	0.03	0.052	0					1.04
17.083	0.00	0.03	0.052	0					1.03
17.167	0.00	0.03	0.051	0					1.03
17.250	0.00	0.03	0.051	0					1.03
17.333	0.00	0.03	0.051	0					1.03
17.417	0.00	0.03	0.051	0					1.02
17.500	0.00	0.03	0.051	0					1.02
17.583	0.00	0.03	0.050	0					1.02
17.667	0.00	0.03	0.050	0					1.02
17.750	0.00	0.03	0.050	0					1.01
17.833	0.00	0.03	0.050	0					1.01
17.917	0.00	0.03	0.050	0					1.01
18.000	0.00	0.03	0.049	0					1.01
18.083	0.00	0.03	0.049	0					1.00
18.167	0.00	0.03	0.049	0					1.00
18.250	0.00	0.03	0.049	0					1.00
18.333	0.00	0.03	0.049	0					0.99
18.417	0.00	0.03	0.049	0					0.99
18.500	0.00	0.03	0.048	0					0.99

18.583	0.00	0.03	0.048	0					0.98
18.667	0.00	0.03	0.048	0					0.98
18.750	0.00	0.03	0.048	0					0.98
18.833	0.00	0.03	0.048	0					0.97
18.917	0.00	0.03	0.047	0					0.97
19.000	0.00	0.03	0.047	0					0.97
19.083	0.00	0.03	0.047	0					0.96
19.167	0.00	0.03	0.047	0					0.96
19.250	0.00	0.03	0.047	0					0.95
19.333	0.00	0.03	0.046	0					0.95
19.417	0.00	0.03	0.046	0					0.95
19.500	0.00	0.03	0.046	0					0.94
19.583	0.00	0.03	0.046	0					0.94
19.667	0.00	0.03	0.046	0					0.94
19.750	0.00	0.03	0.046	0					0.93
19.833	0.00	0.03	0.045	0					0.93
19.917	0.00	0.03	0.045	0					0.93
20.000	0.00	0.03	0.045	0					0.92
20.083	0.00	0.03	0.045	0					0.92
20.167	0.00	0.03	0.045	0					0.92
20.250	0.00	0.03	0.044	0					0.91
20.333	0.00	0.03	0.044	0					0.91
20.417	0.00	0.03	0.044	0					0.91
20.500	0.00	0.03	0.044	0					0.90
20.583	0.00	0.03	0.044	0					0.90
20.667	0.00	0.03	0.044	0					0.90
20.750	0.00	0.03	0.043	0					0.89
20.833	0.00	0.03	0.043	0					0.89
20.917	0.00	0.03	0.043	0					0.89
21.000	0.00	0.03	0.043	0					0.88
21.083	0.00	0.03	0.043	0					0.88
21.167	0.00	0.02	0.043	0					0.88
21.250	0.00	0.02	0.042	0					0.87
21.333	0.00	0.02	0.042	0					0.87
21.417	0.00	0.02	0.042	0					0.87
21.500	0.00	0.02	0.042	0					0.86
21.583	0.00	0.02	0.042	0					0.86
21.667	0.00	0.02	0.042	0					0.86
21.750	0.00	0.02	0.041	0					0.85
21.833	0.00	0.02	0.041	0					0.85
21.917	0.00	0.02	0.041	0					0.85
22.000	0.00	0.02	0.041	0					0.84
22.083	0.00	0.02	0.041	0					0.84
22.167	0.00	0.02	0.041	0					0.84
22.250	0.00	0.02	0.040	0					0.83
22.333	0.00	0.02	0.040	0					0.83
22.417	0.00	0.02	0.040	0					0.83
22.500	0.00	0.02	0.040	0					0.82
22.583	0.00	0.02	0.040	0					0.82
22.667	0.00	0.02	0.040	0					0.82

22.750	0.00	0.02	0.039	0					0.82
22.833	0.00	0.02	0.039	0					0.81
22.917	0.00	0.02	0.039	0					0.81
23.000	0.00	0.02	0.039	0					0.81
23.083	0.00	0.02	0.039	0					0.80
23.167	0.00	0.02	0.039	0					0.80
23.250	0.00	0.02	0.038	0					0.80
23.333	0.00	0.02	0.038	0					0.79
23.417	0.00	0.02	0.038	0					0.79
23.500	0.00	0.02	0.038	0					0.79
23.583	0.00	0.02	0.038	0					0.78
23.667	0.00	0.02	0.038	0					0.78
23.750	0.00	0.02	0.037	0					0.78
23.833	0.00	0.02	0.037	0					0.78
23.917	0.00	0.02	0.037	0					0.77
24.000	0.00	0.02	0.037	0					0.77
24.083	0.00	0.02	0.037	0					0.77
24.167	0.00	0.02	0.037	0					0.76
24.250	0.00	0.02	0.037	0					0.76
24.333	0.00	0.02	0.036	0					0.76
24.417	0.00	0.02	0.036	0					0.76
24.500	0.00	0.02	0.036	0					0.75
24.583	0.00	0.02	0.036	0					0.75
24.667	0.00	0.02	0.036	0					0.75
24.750	0.00	0.02	0.036	0					0.74
24.833	0.00	0.02	0.035	0					0.74
24.917	0.00	0.02	0.035	0					0.74
25.000	0.00	0.02	0.035	0					0.74
25.083	0.00	0.02	0.035	0					0.73
25.167	0.00	0.02	0.035	0					0.73
25.250	0.00	0.02	0.035	0					0.73
25.333	0.00	0.02	0.035	0					0.72
25.417	0.00	0.02	0.034	0					0.72
25.500	0.00	0.02	0.034	0					0.72
25.583	0.00	0.02	0.034	0					0.72
25.667	0.00	0.02	0.034	0					0.71
25.750	0.00	0.02	0.034	0					0.71
25.833	0.00	0.02	0.034	0					0.71
25.917	0.00	0.02	0.034	0					0.70
26.000	0.00	0.02	0.033	0					0.70
26.083	0.00	0.02	0.033	0					0.70
26.167	0.00	0.02	0.033	0					0.70
26.250	0.00	0.02	0.033	0					0.69
26.333	0.00	0.02	0.033	0					0.69
26.417	0.00	0.02	0.033	0					0.69
26.500	0.00	0.02	0.033	0					0.69
26.583	0.00	0.02	0.032	0					0.68
26.667	0.00	0.02	0.032	0					0.68
26.750	0.00	0.02	0.032	0					0.68
26.833	0.00	0.02	0.032	0					0.67

26.917	0.00	0.02	0.032	0					0.67
27.000	0.00	0.02	0.032	0					0.67
27.083	0.00	0.02	0.032	0					0.67
27.167	0.00	0.02	0.031	0					0.66
27.250	0.00	0.02	0.031	0					0.66
27.333	0.00	0.02	0.031	0					0.66
27.417	0.00	0.02	0.031	0					0.66
27.500	0.00	0.02	0.031	0					0.65
27.583	0.00	0.02	0.031	0					0.65
27.667	0.00	0.02	0.031	0					0.65
27.750	0.00	0.02	0.031	0					0.65
27.833	0.00	0.02	0.030	0					0.64
27.917	0.00	0.02	0.030	0					0.64
28.000	0.00	0.02	0.030	0					0.64
28.083	0.00	0.02	0.030	0					0.64
28.167	0.00	0.02	0.030	0					0.63
28.250	0.00	0.02	0.030	0					0.63
28.333	0.00	0.02	0.030	0					0.63
28.417	0.00	0.02	0.029	0					0.63
28.500	0.00	0.02	0.029	0					0.62
28.583	0.00	0.02	0.029	0					0.62
28.667	0.00	0.02	0.029	0					0.62
28.750	0.00	0.02	0.029	0					0.62
28.833	0.00	0.02	0.029	0					0.61
28.917	0.00	0.02	0.029	0					0.61
29.000	0.00	0.02	0.029	0					0.61
29.083	0.00	0.02	0.028	0					0.61
29.167	0.00	0.02	0.028	0					0.60
29.250	0.00	0.02	0.028	0					0.60
29.333	0.00	0.02	0.028	0					0.60
29.417	0.00	0.02	0.028	0					0.60
29.500	0.00	0.02	0.028	0					0.59
29.583	0.00	0.02	0.028	0					0.59
29.667	0.00	0.02	0.028	0					0.59
29.750	0.00	0.02	0.027	0					0.59
29.833	0.00	0.02	0.027	0					0.59
29.917	0.00	0.02	0.027	0					0.58
30.000	0.00	0.02	0.027	0					0.58
30.083	0.00	0.02	0.027	0					0.58
30.167	0.00	0.02	0.027	0					0.58
30.250	0.00	0.02	0.027	0					0.57
30.333	0.00	0.02	0.027	0					0.57
30.417	0.00	0.02	0.026	0					0.57
30.500	0.00	0.02	0.026	0					0.57
30.583	0.00	0.02	0.026	0					0.56
30.667	0.00	0.02	0.026	0					0.56
30.750	0.00	0.02	0.026	0					0.56
30.833	0.00	0.02	0.026	0					0.56
30.917	0.00	0.02	0.026	0					0.56
31.000	0.00	0.02	0.026	0					0.55

31.083	0.00	0.02	0.026	0					0.55
31.167	0.00	0.02	0.025	0					0.55
31.250	0.00	0.02	0.025	0					0.55
31.333	0.00	0.02	0.025	0					0.54
31.417	0.00	0.02	0.025	0					0.54
31.500	0.00	0.02	0.025	0					0.54
31.583	0.00	0.02	0.025	0					0.54
31.667	0.00	0.02	0.025	0					0.54
31.750	0.00	0.02	0.025	0					0.53
31.833	0.00	0.02	0.024	0					0.53
31.917	0.00	0.02	0.024	0					0.53
32.000	0.00	0.02	0.024	0					0.53
32.083	0.00	0.02	0.024	0					0.52
32.167	0.00	0.02	0.024	0					0.52
32.250	0.00	0.02	0.024	0					0.52
32.333	0.00	0.02	0.024	0					0.52
32.417	0.00	0.02	0.024	0					0.52
32.500	0.00	0.02	0.024	0					0.51
32.583	0.00	0.02	0.023	0					0.51
32.667	0.00	0.02	0.023	0					0.51
32.750	0.00	0.02	0.023	0					0.51
32.833	0.00	0.02	0.023	0					0.51
32.917	0.00	0.02	0.023	0					0.50
33.000	0.00	0.02	0.023	0					0.50
33.083	0.00	0.02	0.023	0					0.50
33.167	0.00	0.02	0.023	0					0.50
33.250	0.00	0.02	0.023	0					0.49
33.333	0.00	0.02	0.023	0					0.49
33.417	0.00	0.02	0.022	0					0.49
33.500	0.00	0.02	0.022	0					0.49
33.583	0.00	0.02	0.022	0					0.49
33.667	0.00	0.02	0.022	0					0.48
33.750	0.00	0.02	0.022	0					0.48
33.833	0.00	0.02	0.022	0					0.48
33.917	0.00	0.02	0.022	0					0.48
34.000	0.00	0.02	0.022	0					0.48
34.083	0.00	0.02	0.022	0					0.47
34.167	0.00	0.02	0.021	0					0.47
34.250	0.00	0.02	0.021	0					0.47
34.333	0.00	0.02	0.021	0					0.47
34.417	0.00	0.01	0.021	0					0.47
34.500	0.00	0.01	0.021	0					0.46
34.583	0.00	0.01	0.021	0					0.46
34.667	0.00	0.01	0.021	0					0.46
34.750	0.00	0.01	0.021	0					0.46
34.833	0.00	0.01	0.021	0					0.46
34.917	0.00	0.01	0.021	0					0.45
35.000	0.00	0.01	0.020	0					0.45
35.083	0.00	0.01	0.020	0					0.45
35.167	0.00	0.01	0.020	0					0.45

35.250	0.00	0.01	0.020	0					0.45
35.333	0.00	0.01	0.020	0					0.45
35.417	0.00	0.01	0.020	0					0.44
35.500	0.00	0.01	0.020	0					0.44
35.583	0.00	0.01	0.020	0					0.44
35.667	0.00	0.01	0.020	0					0.44
35.750	0.00	0.01	0.020	0					0.44
35.833	0.00	0.01	0.019	0					0.43
35.917	0.00	0.01	0.019	0					0.43
36.000	0.00	0.01	0.019	0					0.43
36.083	0.00	0.01	0.019	0					0.43
36.167	0.00	0.01	0.019	0					0.43
36.250	0.00	0.01	0.019	0					0.42
36.333	0.00	0.01	0.019	0					0.42
36.417	0.00	0.01	0.019	0					0.42
36.500	0.00	0.01	0.019	0					0.42
36.583	0.00	0.01	0.019	0					0.42
36.667	0.00	0.01	0.018	0					0.42
36.750	0.00	0.01	0.018	0					0.41
36.833	0.00	0.01	0.018	0					0.41
36.917	0.00	0.01	0.018	0					0.41
37.000	0.00	0.01	0.018	0					0.41
37.083	0.00	0.01	0.018	0					0.41
37.167	0.00	0.01	0.018	0					0.40
37.250	0.00	0.01	0.018	0					0.40
37.333	0.00	0.01	0.018	0					0.40
37.417	0.00	0.01	0.018	0					0.40
37.500	0.00	0.01	0.018	0					0.40
37.583	0.00	0.01	0.017	0					0.40
37.667	0.00	0.01	0.017	0					0.39
37.750	0.00	0.01	0.017	0					0.39
37.833	0.00	0.01	0.017	0					0.39
37.917	0.00	0.01	0.017	0					0.39
38.000	0.00	0.01	0.017	0					0.39
38.083	0.00	0.01	0.017	0					0.39
38.167	0.00	0.01	0.017	0					0.38
38.250	0.00	0.01	0.017	0					0.38
38.333	0.00	0.01	0.017	0					0.38
38.417	0.00	0.01	0.017	0					0.38
38.500	0.00	0.01	0.016	0					0.38
38.583	0.00	0.01	0.016	0					0.38
38.667	0.00	0.01	0.016	0					0.37
38.750	0.00	0.01	0.016	0					0.37
38.833	0.00	0.01	0.016	0					0.37
38.917	0.00	0.01	0.016	0					0.37
39.000	0.00	0.01	0.016	0					0.37
39.083	0.00	0.01	0.016	0					0.37
39.167	0.00	0.01	0.016	0					0.36
39.250	0.00	0.01	0.016	0					0.36
39.333	0.00	0.01	0.016	0					0.36

39.417	0.00	0.01	0.016	0					0.36
39.500	0.00	0.01	0.015	0					0.36
39.583	0.00	0.01	0.015	0					0.36
39.667	0.00	0.01	0.015	0					0.35
39.750	0.00	0.01	0.015	0					0.35
39.833	0.00	0.01	0.015	0					0.35
39.917	0.00	0.01	0.015	0					0.35
40.000	0.00	0.01	0.015	0					0.35
40.083	0.00	0.01	0.015	0					0.35
40.167	0.00	0.01	0.015	0					0.34
40.250	0.00	0.01	0.015	0					0.34
40.333	0.00	0.01	0.015	0					0.34
40.417	0.00	0.01	0.015	0					0.34
40.500	0.00	0.01	0.014	0					0.34
40.583	0.00	0.01	0.014	0					0.34
40.667	0.00	0.01	0.014	0					0.33
40.750	0.00	0.01	0.014	0					0.33
40.833	0.00	0.01	0.014	0					0.33
40.917	0.00	0.01	0.014	0					0.33
41.000	0.00	0.01	0.014	0					0.33
41.083	0.00	0.01	0.014	0					0.33
41.167	0.00	0.01	0.014	0					0.33
41.250	0.00	0.01	0.014	0					0.32
41.333	0.00	0.01	0.014	0					0.32
41.417	0.00	0.01	0.014	0					0.32
41.500	0.00	0.01	0.013	0					0.32
41.583	0.00	0.01	0.013	0					0.32
41.667	0.00	0.01	0.013	0					0.32
41.750	0.00	0.01	0.013	0					0.32
41.833	0.00	0.01	0.013	0					0.31
41.917	0.00	0.01	0.013	0					0.31
42.000	0.00	0.01	0.013	0					0.31
42.083	0.00	0.01	0.013	0					0.31
42.167	0.00	0.01	0.013	0					0.31
42.250	0.00	0.01	0.013	0					0.31
42.333	0.00	0.01	0.013	0					0.30
42.417	0.00	0.01	0.013	0					0.30
42.500	0.00	0.01	0.013	0					0.30
42.583	0.00	0.01	0.012	0					0.30
42.667	0.00	0.01	0.012	0					0.30
42.750	0.00	0.01	0.012	0					0.30
42.833	0.00	0.01	0.012	0					0.30
42.917	0.00	0.01	0.012	0					0.29
43.000	0.00	0.01	0.012	0					0.29
43.083	0.00	0.01	0.012	0					0.29
43.167	0.00	0.01	0.012	0					0.29
43.250	0.00	0.01	0.012	0					0.29
43.333	0.00	0.01	0.012	0					0.29
43.417	0.00	0.01	0.012	0					0.29
43.500	0.00	0.01	0.012	0					0.29

43.583	0.00	0.01	0.012	0					0.28
43.667	0.00	0.01	0.012	0					0.28
43.750	0.00	0.01	0.011	0					0.28
43.833	0.00	0.01	0.011	0					0.28
43.917	0.00	0.01	0.011	0					0.28
44.000	0.00	0.01	0.011	0					0.28
44.083	0.00	0.01	0.011	0					0.28
44.167	0.00	0.01	0.011	0					0.27
44.250	0.00	0.01	0.011	0					0.27
44.333	0.00	0.01	0.011	0					0.27
44.417	0.00	0.01	0.011	0					0.27
44.500	0.00	0.01	0.011	0					0.27
44.583	0.00	0.01	0.011	0					0.27
44.667	0.00	0.01	0.011	0					0.27
44.750	0.00	0.01	0.011	0					0.26
44.833	0.00	0.01	0.011	0					0.26
44.917	0.00	0.01	0.010	0					0.26
45.000	0.00	0.01	0.010	0					0.26
45.083	0.00	0.01	0.010	0					0.26
45.167	0.00	0.01	0.010	0					0.26
45.250	0.00	0.01	0.010	0					0.26
45.333	0.00	0.01	0.010	0					0.26
45.417	0.00	0.01	0.010	0					0.25
45.500	0.00	0.01	0.010	0					0.25
45.583	0.00	0.01	0.010	0					0.25
45.667	0.00	0.01	0.010	0					0.25
45.750	0.00	0.01	0.010	0					0.25
45.833	0.00	0.01	0.010	0					0.25
45.917	0.00	0.01	0.010	0					0.25
46.000	0.00	0.01	0.010	0					0.25
46.083	0.00	0.01	0.010	0					0.24
46.167	0.00	0.01	0.009	0					0.24
46.250	0.00	0.01	0.009	0					0.24
46.333	0.00	0.01	0.009	0					0.24
46.417	0.00	0.01	0.009	0					0.24
46.500	0.00	0.01	0.009	0					0.24
46.583	0.00	0.01	0.009	0					0.24
46.667	0.00	0.01	0.009	0					0.24
46.750	0.00	0.01	0.009	0					0.23
46.833	0.00	0.01	0.009	0					0.23
46.917	0.00	0.01	0.009	0					0.23
47.000	0.00	0.01	0.009	0					0.23
47.083	0.00	0.01	0.009	0					0.23
47.167	0.00	0.01	0.009	0					0.23
47.250	0.00	0.01	0.009	0					0.23
47.333	0.00	0.01	0.009	0					0.23
47.417	0.00	0.01	0.009	0					0.22
47.500	0.00	0.01	0.008	0					0.22
47.583	0.00	0.01	0.008	0					0.22
47.667	0.00	0.01	0.008	0					0.22

47.750	0.00	0.01	0.008	0					0.22
47.833	0.00	0.01	0.008	0					0.22
47.917	0.00	0.01	0.008	0					0.22
48.000	0.00	0.01	0.008	0					0.22
48.083	0.00	0.01	0.008	0					0.22
48.167	0.00	0.01	0.008	0					0.21
48.250	0.00	0.01	0.008	0					0.21
48.333	0.00	0.01	0.008	0					0.21
48.417	0.00	0.01	0.008	0					0.21
48.500	0.00	0.01	0.008	0					0.21
48.583	0.00	0.01	0.008	0					0.21
48.667	0.00	0.01	0.008	0					0.21
48.750	0.00	0.01	0.008	0					0.21
48.833	0.00	0.01	0.007	0					0.20
48.917	0.00	0.01	0.007	0					0.20
49.000	0.00	0.01	0.007	0					0.20
49.083	0.00	0.01	0.007	0					0.20
49.167	0.00	0.01	0.007	0					0.20
49.250	0.00	0.01	0.007	0					0.20
49.333	0.00	0.01	0.007	0					0.20
49.417	0.00	0.01	0.007	0					0.20
49.500	0.00	0.01	0.007	0					0.20
49.583	0.00	0.01	0.007	0					0.19
49.667	0.00	0.01	0.007	0					0.19
49.750	0.00	0.01	0.007	0					0.19
49.833	0.00	0.01	0.007	0					0.19
49.917	0.00	0.01	0.007	0					0.19
50.000	0.00	0.01	0.007	0					0.19
50.083	0.00	0.01	0.007	0					0.19
50.167	0.00	0.01	0.007	0					0.19
50.250	0.00	0.01	0.006	0					0.19
50.333	0.00	0.01	0.006	0					0.19
50.417	0.00	0.01	0.006	0					0.18
50.500	0.00	0.01	0.006	0					0.18
50.583	0.00	0.01	0.006	0					0.18
50.667	0.00	0.01	0.006	0					0.18
50.750	0.00	0.01	0.006	0					0.18
50.833	0.00	0.01	0.006	0					0.18
50.917	0.00	0.01	0.006	0					0.18
51.000	0.00	0.01	0.006	0					0.18
51.083	0.00	0.01	0.006	0					0.18
51.167	0.00	0.01	0.006	0					0.17
51.250	0.00	0.01	0.006	0					0.17
51.333	0.00	0.01	0.006	0					0.17
51.417	0.00	0.01	0.006	0					0.17
51.500	0.00	0.01	0.006	0					0.17
51.583	0.00	0.01	0.006	0					0.17
51.667	0.00	0.01	0.006	0					0.17
51.750	0.00	0.01	0.006	0					0.17
51.833	0.00	0.01	0.005	0					0.17

51.917	0.00	0.01	0.005	0					0.17
52.000	0.00	0.01	0.005	0					0.16
52.083	0.00	0.01	0.005	0					0.16
52.167	0.00	0.01	0.005	0					0.16
52.250	0.00	0.01	0.005	0					0.16
52.333	0.00	0.01	0.005	0					0.16
52.417	0.00	0.01	0.005	0					0.16
52.500	0.00	0.01	0.005	0					0.16
52.583	0.00	0.01	0.005	0					0.16
52.667	0.00	0.01	0.005	0					0.16
52.750	0.00	0.01	0.005	0					0.16
52.833	0.00	0.01	0.005	0					0.15
52.917	0.00	0.01	0.005	0					0.15
53.000	0.00	0.01	0.005	0					0.15
53.083	0.00	0.01	0.005	0					0.15
53.167	0.00	0.01	0.005	0					0.15
53.250	0.00	0.01	0.005	0					0.15
53.333	0.00	0.01	0.005	0					0.15
53.417	0.00	0.01	0.005	0					0.15
53.500	0.00	0.01	0.004	0					0.15
53.583	0.00	0.01	0.004	0					0.15
53.667	0.00	0.01	0.004	0					0.15
53.750	0.00	0.01	0.004	0					0.14
53.833	0.00	0.01	0.004	0					0.14
53.917	0.00	0.01	0.004	0					0.14
54.000	0.00	0.01	0.004	0					0.14
54.083	0.00	0.01	0.004	0					0.14
54.167	0.00	0.01	0.004	0					0.14
54.250	0.00	0.01	0.004	0					0.14
54.333	0.00	0.01	0.004	0					0.14
54.417	0.00	0.01	0.004	0					0.14
54.500	0.00	0.01	0.004	0					0.14
54.583	0.00	0.01	0.004	0					0.13
54.667	0.00	0.01	0.004	0					0.13
54.750	0.00	0.01	0.004	0					0.13
54.833	0.00	0.01	0.004	0					0.13
54.917	0.00	0.01	0.004	0					0.13
55.000	0.00	0.01	0.004	0					0.13
55.083	0.00	0.01	0.004	0					0.13
55.167	0.00	0.01	0.003	0					0.13
55.250	0.00	0.01	0.003	0					0.13
55.333	0.00	0.01	0.003	0					0.13
55.417	0.00	0.01	0.003	0					0.13
55.500	0.00	0.01	0.003	0					0.13
55.583	0.00	0.01	0.003	0					0.12
55.667	0.00	0.01	0.003	0					0.12
55.750	0.00	0.01	0.003	0					0.12
55.833	0.00	0.01	0.003	0					0.12
55.917	0.00	0.01	0.003	0					0.12
56.000	0.00	0.01	0.003	0					0.12

56.083	0.00	0.01	0.003	0					0.12
56.167	0.00	0.01	0.003	0					0.12
56.250	0.00	0.01	0.003	0					0.12
56.333	0.00	0.01	0.003	0					0.12
56.417	0.00	0.01	0.003	0					0.12
56.500	0.00	0.01	0.003	0					0.11
56.583	0.00	0.01	0.003	0					0.11
56.667	0.00	0.01	0.003	0					0.11
56.750	0.00	0.01	0.003	0					0.11
56.833	0.00	0.01	0.003	0					0.11
56.917	0.00	0.01	0.003	0					0.11
57.000	0.00	0.01	0.003	0					0.11
57.083	0.00	0.01	0.002	0					0.11
57.167	0.00	0.01	0.002	0					0.11
57.250	0.00	0.01	0.002	0					0.11
57.333	0.00	0.01	0.002	0					0.11
57.417	0.00	0.01	0.002	0					0.11
57.500	0.00	0.01	0.002	0					0.11
57.583	0.00	0.01	0.002	0					0.10
57.667	0.00	0.01	0.002	0					0.10
57.750	0.00	0.01	0.002	0					0.10
57.833	0.00	0.01	0.002	0					0.10
57.917	0.00	0.01	0.002	0					0.10
58.000	0.00	0.01	0.002	0					0.10
58.083	0.00	0.01	0.002	0					0.10
58.167	0.00	0.01	0.002	0					0.10
58.250	0.00	0.01	0.002	0					0.09
58.333	0.00	0.01	0.002	0					0.09
58.417	0.00	0.01	0.002	0					0.09
58.500	0.00	0.01	0.002	0					0.09
58.583	0.00	0.01	0.002	0					0.09
58.667	0.00	0.01	0.002	0					0.09
58.750	0.00	0.01	0.002	0					0.08
58.833	0.00	0.00	0.002	0					0.08
58.917	0.00	0.00	0.002	0					0.08
59.000	0.00	0.00	0.002	0					0.08
59.083	0.00	0.00	0.002	0					0.08
59.167	0.00	0.00	0.002	0					0.08
59.250	0.00	0.00	0.001	0					0.07
59.333	0.00	0.00	0.001	0					0.07
59.417	0.00	0.00	0.001	0					0.07
59.500	0.00	0.00	0.001	0					0.07
59.583	0.00	0.00	0.001	0					0.07
59.667	0.00	0.00	0.001	0					0.07
59.750	0.00	0.00	0.001	0					0.07
59.833	0.00	0.00	0.001	0					0.06
59.917	0.00	0.00	0.001	0					0.06
60.000	0.00	0.00	0.001	0					0.06
60.083	0.00	0.00	0.001	0					0.06
60.167	0.00	0.00	0.001	0					0.06

60.250	0.00	0.00	0.001	0					0.06
60.333	0.00	0.00	0.001	0					0.06
60.417	0.00	0.00	0.001	0					0.06
60.500	0.00	0.00	0.001	0					0.05
60.583	0.00	0.00	0.001	0					0.05
60.667	0.00	0.00	0.001	0					0.05
60.750	0.00	0.00	0.001	0					0.05
60.833	0.00	0.00	0.001	0					0.05
60.917	0.00	0.00	0.001	0					0.05
61.000	0.00	0.00	0.001	0					0.05
61.083	0.00	0.00	0.001	0					0.05
61.167	0.00	0.00	0.001	0					0.05
61.250	0.00	0.00	0.001	0					0.04
61.333	0.00	0.00	0.001	0					0.04
61.417	0.00	0.00	0.001	0					0.04
61.500	0.00	0.00	0.001	0					0.04
61.583	0.00	0.00	0.001	0					0.04
61.667	0.00	0.00	0.001	0					0.04
61.750	0.00	0.00	0.001	0					0.04
61.833	0.00	0.00	0.001	0					0.04
61.917	0.00	0.00	0.001	0					0.04
62.000	0.00	0.00	0.001	0					0.04
62.083	0.00	0.00	0.001	0					0.04
62.167	0.00	0.00	0.001	0					0.04
62.250	0.00	0.00	0.001	0					0.04
62.333	0.00	0.00	0.001	0					0.03
62.417	0.00	0.00	0.001	0					0.03
62.500	0.00	0.00	0.001	0					0.03
62.583	0.00	0.00	0.001	0					0.03
62.667	0.00	0.00	0.001	0					0.03
62.750	0.00	0.00	0.001	0					0.03
62.833	0.00	0.00	0.001	0					0.03
62.917	0.00	0.00	0.001	0					0.03
63.000	0.00	0.00	0.001	0					0.03
63.083	0.00	0.00	0.001	0					0.03
63.167	0.00	0.00	0.001	0					0.03
63.250	0.00	0.00	0.001	0					0.03
63.333	0.00	0.00	0.001	0					0.03
63.417	0.00	0.00	0.001	0					0.03
63.500	0.00	0.00	0.001	0					0.03
63.583	0.00	0.00	0.001	0					0.03
63.667	0.00	0.00	0.000	0					0.02
63.750	0.00	0.00	0.000	0					0.02
63.833	0.00	0.00	0.000	0					0.02
63.917	0.00	0.00	0.000	0					0.02
64.000	0.00	0.00	0.000	0					0.02
64.083	0.00	0.00	0.000	0					0.02
64.167	0.00	0.00	0.000	0					0.02
64.250	0.00	0.00	0.000	0					0.02
64.333	0.00	0.00	0.000	0					0.02

64.417	0.00	0.00	0.000	0					0.02
64.500	0.00	0.00	0.000	0					0.02
64.583	0.00	0.00	0.000	0					0.02
64.667	0.00	0.00	0.000	0					0.02
64.750	0.00	0.00	0.000	0					0.02
64.833	0.00	0.00	0.000	0					0.02
64.917	0.00	0.00	0.000	0					0.02
65.000	0.00	0.00	0.000	0					0.02
65.083	0.00	0.00	0.000	0					0.02
65.167	0.00	0.00	0.000	0					0.02
65.250	0.00	0.00	0.000	0					0.02
65.333	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 784

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.034 (CFS)

Total volume = 0.094 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
100 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da324100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 289
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.833 (CFS)
Total volume = 1.003 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 289
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.92	1.37	1.83	Depth (Ft.)
0.083	0.06	0.00	0.000	OI					0.01
0.167	0.09	0.00	0.001	OI					0.03
0.250	0.09	0.00	0.001	OI					0.06
0.333	0.11	0.01	0.002	O I					0.09
0.417	0.13	0.01	0.003	O I					0.11
0.500	0.13	0.01	0.004	O I					0.13
0.583	0.13	0.01	0.004	O I					0.15
0.667	0.13	0.01	0.005	O I					0.17
0.750	0.13	0.01	0.006	O I					0.19
0.833	0.16	0.01	0.007	O I					0.21
0.917	0.17	0.01	0.008	O I					0.23
1.000	0.17	0.01	0.009	O I					0.25
1.083	0.14	0.01	0.010	O I					0.28
1.167	0.13	0.01	0.011	O I					0.29
1.250	0.13	0.01	0.012	O I					0.31
1.333	0.13	0.01	0.012	O I					0.33
1.417	0.13	0.02	0.013	O I					0.35
1.500	0.13	0.02	0.014	O I					0.36
1.583	0.13	0.02	0.015	O I					0.38
1.667	0.13	0.02	0.016	O I					0.40
1.750	0.13	0.02	0.016	O I					0.41
1.833	0.16	0.02	0.017	O I					0.43

1.917	0.17	0.02	0.018	0	I					0.46
2.000	0.17	0.02	0.019	0	I					0.48
2.083	0.17	0.02	0.020	0	I					0.50
2.167	0.17	0.02	0.021	0	I					0.53
2.250	0.17	0.02	0.022	0	I					0.55
2.333	0.17	0.02	0.023	0	I					0.57
2.417	0.17	0.02	0.024	0	I					0.59
2.500	0.17	0.02	0.025	0	I					0.62
2.583	0.20	0.02	0.027	0	I					0.64
2.667	0.22	0.03	0.028	0	I					0.67
2.750	0.22	0.03	0.029	0	I					0.70
2.833	0.22	0.03	0.030	0	I					0.73
2.917	0.22	0.03	0.032	0	I					0.75
3.000	0.22	0.03	0.033	0	I					0.78
3.083	0.22	0.03	0.034	0	I					0.81
3.167	0.22	0.03	0.036	0	I					0.84
3.250	0.22	0.03	0.037	0	I					0.87
3.333	0.22	0.03	0.038	0	I					0.89
3.417	0.22	0.03	0.039	0	I					0.92
3.500	0.22	0.03	0.041	0	I					0.95
3.583	0.22	0.03	0.042	0	I					0.98
3.667	0.22	0.04	0.043	0	I					1.00
3.750	0.22	0.04	0.044	0	I					1.02
3.833	0.24	0.04	0.046	0	I					1.04
3.917	0.26	0.04	0.047	0	I					1.06
4.000	0.26	0.04	0.049	0	I					1.08
4.083	0.26	0.04	0.050	0	I					1.10
4.167	0.26	0.04	0.052	0	I					1.13
4.250	0.26	0.04	0.053	0	I					1.15
4.333	0.29	0.04	0.055	0	I					1.17
4.417	0.30	0.04	0.057	0	I					1.20
4.500	0.30	0.04	0.059	0	I					1.22
4.583	0.30	0.04	0.060	0	I					1.25
4.667	0.30	0.04	0.062	0	I					1.27
4.750	0.30	0.04	0.064	0	I					1.30
4.833	0.33	0.04	0.066	0	I					1.33
4.917	0.34	0.04	0.068	0	I					1.36
5.000	0.34	0.04	0.070	0	I					1.39
5.083	0.29	0.04	0.072	0	I					1.41
5.167	0.26	0.04	0.073	0	I					1.44
5.250	0.26	0.04	0.075	0	I					1.46
5.333	0.29	0.04	0.077	0	I					1.48
5.417	0.30	0.04	0.078	0	I					1.50
5.500	0.30	0.04	0.080	0	I					1.53
5.583	0.33	0.04	0.082	0	I					1.56
5.667	0.34	0.04	0.084	0	I					1.58
5.750	0.34	0.04	0.086	0	I					1.61
5.833	0.34	0.04	0.088	0	I					1.64
5.917	0.34	0.05	0.090	0	I					1.67
6.000	0.34	0.05	0.092	0	I					1.70

6.083	0.37	0.05	0.094	0	I					1.73
6.167	0.39	0.05	0.097	0	I					1.77
6.250	0.39	0.05	0.099	0	I					1.80
6.333	0.39	0.05	0.101	0	I					1.83
6.417	0.39	0.05	0.104	0	I					1.87
6.500	0.39	0.05	0.106	0	I					1.90
6.583	0.42	0.05	0.108	0	I					1.93
6.667	0.43	0.05	0.111	0	I					1.97
6.750	0.43	0.05	0.114	0	I					2.01
6.833	0.43	0.05	0.116	0	I					2.04
6.917	0.43	0.05	0.119	0	I					2.07
7.000	0.43	0.05	0.121	0	I					2.10
7.083	0.43	0.05	0.124	0	I					2.13
7.167	0.43	0.05	0.127	0	I					2.16
7.250	0.43	0.05	0.129	0	I					2.20
7.333	0.46	0.05	0.132	0	I					2.23
7.417	0.47	0.05	0.135	0	I					2.26
7.500	0.47	0.05	0.138	0	I					2.30
7.583	0.50	0.05	0.141	0	I					2.33
7.667	0.52	0.05	0.144	0	I					2.37
7.750	0.52	0.05	0.147	0	I					2.41
7.833	0.54	0.05	0.150	0	I					2.45
7.917	0.56	0.06	0.154	0	I					2.49
8.000	0.56	0.06	0.157	0	I					2.53
8.083	0.64	0.06	0.161	0		I				2.58
8.167	0.68	0.06	0.165	0		I				2.63
8.250	0.68	0.06	0.169	0		I				2.68
8.333	0.68	0.06	0.174	0		I				2.73
8.417	0.68	0.06	0.178	0		I				2.78
8.500	0.68	0.06	0.182	0		I				2.83
8.583	0.72	0.06	0.187	0		I				2.89
8.667	0.74	0.06	0.191	0		I				2.94
8.750	0.74	0.06	0.196	0		I				3.00
8.833	0.78	0.06	0.201	0		I				3.05
8.917	0.80	0.06	0.206	0		I				3.11
9.000	0.80	0.06	0.211	0		I				3.17
9.083	0.88	0.06	0.216	0			I			3.23
9.167	0.92	0.06	0.222	0			I			3.30
9.250	0.92	0.06	0.228	0			I			3.37
9.333	0.96	0.07	0.234	0			I			3.44
9.417	0.98	0.07	0.240	0			I			3.51
9.500	0.98	0.07	0.246	0			I			3.58
9.583	1.02	0.07	0.253	0			I			3.66
9.667	1.04	0.07	0.259	0			I			3.74
9.750	1.04	0.07	0.266	0			I			3.81
9.833	1.08	0.07	0.273	0			I			3.89
9.917	1.10	0.07	0.280	0			I			3.97
10.000	1.10	0.07	0.287	0			I			4.06
10.083	0.83	0.07	0.293	0		I				4.13
10.167	0.70	0.07	0.298	0		I				4.18

10.250	0.70	0.07	0.302	0		I				4.23
10.333	0.70	0.07	0.306	0		I				4.28
10.417	0.70	0.07	0.311	0		I				4.33
10.500	0.70	0.07	0.315	0		I				4.38
10.583	0.90	0.07	0.320	0			I			4.44
10.667	0.99	0.08	0.326	0			I			4.51
10.750	0.99	0.08	0.332	0			I			4.59
10.833	0.99	0.09	0.339	0			I			4.66
10.917	0.99	0.10	0.345	0			I			4.73
11.000	1.00	0.11	0.351	0			I			4.81
11.083	0.96	0.12	0.357	0			I			4.89
11.167	0.94	0.13	0.362	0			I			4.97
11.250	0.94	0.13	0.368	0			I			5.04
11.333	0.94	0.14	0.374	0			I			5.11
11.417	0.94	0.15	0.379	0			I			5.19
11.500	0.94	0.17	0.384	0			I			5.26
11.583	0.87	0.36	0.389		0		I			5.32
11.667	0.83	0.49	0.392		0		I			5.36
11.750	0.83	0.58	0.394		0		I			5.39
11.833	0.87	0.65	0.395		0		I			5.41
11.917	0.89	0.71	0.397		0		I			5.43
12.000	0.89	0.75	0.398		0		I			5.44
12.083	1.16	0.83	0.400		0		I			5.47
12.167	1.30	0.93	0.402			0		I		5.50
12.250	1.30	0.99	0.404			0		I		5.53
12.333	1.34	1.04	0.406			0		I		5.56
12.417	1.36	1.08	0.408			0		I		5.59
12.500	1.36	1.12	0.410			0		I		5.62
12.583	1.44	1.16	0.412			0		I		5.65
12.667	1.48	1.21	0.414			0		I		5.67
12.750	1.48	1.25	0.415			0		I		5.70
12.833	1.52	1.28	0.417			0		I		5.72
12.917	1.54	1.32	0.419			0		I		5.74
13.000	1.54	1.35	0.420			0		I		5.76
13.083	1.73	1.39	0.422			0		I		5.79
13.167	1.83	1.45	0.424			0		I		5.83
13.250	1.83	1.51	0.427			0		I		5.86
13.333	1.83	1.56	0.429			0		I		5.89
13.417	1.83	1.60	0.430			0		I		5.92
13.500	1.83	1.63	0.432			0		I		5.94
13.583	1.41	1.63	0.432			I	0			5.94
13.667	1.19	1.58	0.430			I	0			5.91
13.750	1.20	1.52	0.427			I	0			5.87
13.833	1.20	1.48	0.425			I	0			5.84
13.917	1.20	1.43	0.423			I	0			5.82
14.000	1.20	1.40	0.422			I	0			5.79
14.083	1.35	1.38	0.421			IO				5.78
14.167	1.43	1.38	0.421			0				5.78
14.250	1.43	1.39	0.422			OI				5.79
14.333	1.39	1.39	0.422			0				5.79

14.417	1.38	1.39	0.422				0	5.79
14.500	1.38	1.39	0.422				0	5.79
14.583	1.38	1.39	0.421				0	5.79
14.667	1.38	1.39	0.421				0	5.79
14.750	1.38	1.38	0.421				0	5.78
14.833	1.34	1.38	0.421				IO	5.78
14.917	1.32	1.37	0.421				0	5.78
15.000	1.32	1.37	0.421				0	5.77
15.083	1.28	1.36	0.420				IO	5.77
15.167	1.27	1.34	0.420				IO	5.76
15.250	1.27	1.33	0.419				IO	5.75
15.333	1.23	1.32	0.419				I 0	5.74
15.417	1.21	1.30	0.418				IO	5.73
15.500	1.21	1.29	0.417				IO	5.73
15.583	1.06	1.27	0.416			I	0	5.71
15.667	0.98	1.23	0.415			I	0	5.69
15.750	0.98	1.19	0.413			I	0	5.66
15.833	0.98	1.16	0.412			I	0	5.64
15.917	0.98	1.13	0.411			I	0	5.63
16.000	0.98	1.11	0.410			I	0	5.61
16.083	0.44	1.05	0.407		I		0	5.57
16.167	0.17	0.94	0.402	I			0	5.51
16.250	0.17	0.75	0.398	I		0		5.44
16.333	0.17	0.60	0.394	I		0		5.39
16.417	0.17	0.49	0.392	I	0			5.36
16.500	0.17	0.41	0.390	I	0			5.33
16.583	0.14	0.34	0.388	I	0			5.31
16.667	0.13	0.29	0.387	I	0			5.29
16.750	0.13	0.25	0.386	I	0			5.28
16.833	0.13	0.22	0.385	IO				5.27
16.917	0.13	0.19	0.385	IO				5.26
17.000	0.13	0.18	0.385	IO				5.26
17.083	0.19	0.17	0.384	OI				5.26
17.167	0.22	0.18	0.385	0				5.26
17.250	0.22	0.19	0.385	0				5.26
17.333	0.22	0.20	0.385	0				5.26
17.417	0.22	0.20	0.385	0				5.27
17.500	0.22	0.20	0.385	0				5.27
17.583	0.22	0.21	0.385	0				5.27
17.667	0.22	0.21	0.385	0				5.27
17.750	0.22	0.21	0.385	0				5.27
17.833	0.19	0.21	0.385	0				5.27
17.917	0.17	0.20	0.385	0				5.27
18.000	0.17	0.19	0.385	0				5.26
18.083	0.17	0.19	0.385	0				5.26
18.167	0.17	0.18	0.385	0				5.26
18.250	0.17	0.18	0.385	0				5.26
18.333	0.17	0.18	0.385	0				5.26
18.417	0.17	0.18	0.385	0				5.26
18.500	0.17	0.18	0.385	0				5.26

18.583	0.14	0.17	0.384	0					5.26
18.667	0.13	0.16	0.384	0					5.25
18.750	0.13	0.15	0.384	0					5.25
18.833	0.10	0.15	0.384	IO					5.25
18.917	0.09	0.15	0.383	IO					5.24
19.000	0.09	0.15	0.383	IO					5.24
19.083	0.11	0.15	0.383	0					5.23
19.167	0.13	0.15	0.382	0					5.23
19.250	0.13	0.15	0.382	0					5.23
19.333	0.16	0.15	0.382	0					5.23
19.417	0.17	0.15	0.382	OI					5.23
19.500	0.17	0.15	0.382	OI					5.23
19.583	0.14	0.15	0.383	0					5.23
19.667	0.13	0.15	0.382	0					5.23
19.750	0.13	0.15	0.382	0					5.23
19.833	0.10	0.15	0.382	IO					5.22
19.917	0.09	0.15	0.382	IO					5.22
20.000	0.09	0.15	0.381	IO					5.21
20.083	0.11	0.15	0.381	0					5.21
20.167	0.13	0.15	0.381	0					5.21
20.250	0.13	0.15	0.381	0					5.20
20.333	0.13	0.15	0.380	0					5.20
20.417	0.13	0.15	0.380	0					5.20
20.500	0.13	0.15	0.380	0					5.20
20.583	0.13	0.15	0.380	0					5.20
20.667	0.13	0.15	0.380	0					5.20
20.750	0.13	0.15	0.380	0					5.19
20.833	0.10	0.15	0.380	IO					5.19
20.917	0.09	0.15	0.379	IO					5.19
21.000	0.09	0.15	0.379	IO					5.18
21.083	0.11	0.15	0.378	0					5.18
21.167	0.13	0.15	0.378	0					5.18
21.250	0.13	0.15	0.378	0					5.17
21.333	0.10	0.14	0.378	IO					5.17
21.417	0.09	0.14	0.378	IO					5.17
21.500	0.09	0.14	0.377	IO					5.16
21.583	0.11	0.14	0.377	0					5.16
21.667	0.13	0.14	0.377	0					5.16
21.750	0.13	0.14	0.377	0					5.15
21.833	0.10	0.14	0.377	IO					5.15
21.917	0.09	0.14	0.376	IO					5.15
22.000	0.09	0.14	0.376	IO					5.14
22.083	0.11	0.14	0.376	0					5.14
22.167	0.13	0.14	0.375	0					5.14
22.250	0.13	0.14	0.375	0					5.14
22.333	0.10	0.14	0.375	IO					5.13
22.417	0.09	0.14	0.375	IO					5.13
22.500	0.09	0.14	0.374	IO					5.12
22.583	0.09	0.14	0.374	IO					5.12
22.667	0.09	0.14	0.374	IO					5.11

22.750	0.09	0.14	0.373	IO					5.11
22.833	0.09	0.14	0.373	IO					5.10
22.917	0.09	0.14	0.373	IO					5.10
23.000	0.09	0.14	0.372	IO					5.09
23.083	0.09	0.14	0.372	IO					5.09
23.167	0.09	0.14	0.371	IO					5.09
23.250	0.09	0.14	0.371	IO					5.08
23.333	0.09	0.14	0.371	IO					5.08
23.417	0.09	0.14	0.370	IO					5.07
23.500	0.09	0.14	0.370	IO					5.07
23.583	0.09	0.13	0.370	IO					5.06
23.667	0.09	0.13	0.369	IO					5.06
23.750	0.09	0.13	0.369	IO					5.05
23.833	0.09	0.13	0.369	IO					5.05
23.917	0.09	0.13	0.368	IO					5.05
24.000	0.09	0.13	0.368	IO					5.04
24.083	0.03	0.13	0.368	I 0					5.03
24.167	0.00	0.13	0.367	I 0					5.02
24.250	0.00	0.13	0.366	I 0					5.01
24.333	0.00	0.13	0.365	I 0					5.00
24.417	0.00	0.13	0.364	I 0					4.99
24.500	0.00	0.13	0.363	I 0					4.98
24.583	0.00	0.13	0.362	I 0					4.97
24.667	0.00	0.12	0.362	I 0					4.95
24.750	0.00	0.12	0.361	I 0					4.94
24.833	0.00	0.12	0.360	I 0					4.93
24.917	0.00	0.12	0.359	I 0					4.92
25.000	0.00	0.12	0.358	I 0					4.91
25.083	0.00	0.12	0.357	I 0					4.90
25.167	0.00	0.12	0.357	I 0					4.89
25.250	0.00	0.12	0.356	I 0					4.88
25.333	0.00	0.11	0.355	I 0					4.87
25.417	0.00	0.11	0.354	IO					4.86
25.500	0.00	0.11	0.353	IO					4.85
25.583	0.00	0.11	0.353	IO					4.84
25.667	0.00	0.11	0.352	IO					4.83
25.750	0.00	0.11	0.351	IO					4.82
25.833	0.00	0.11	0.350	IO					4.81
25.917	0.00	0.11	0.350	IO					4.80
26.000	0.00	0.11	0.349	IO					4.79
26.083	0.00	0.11	0.348	IO					4.78
26.167	0.00	0.10	0.347	IO					4.77
26.250	0.00	0.10	0.347	IO					4.76
26.333	0.00	0.10	0.346	IO					4.75
26.417	0.00	0.10	0.345	IO					4.74
26.500	0.00	0.10	0.345	IO					4.73
26.583	0.00	0.10	0.344	IO					4.73
26.667	0.00	0.10	0.343	IO					4.72
26.750	0.00	0.10	0.343	IO					4.71
26.833	0.00	0.10	0.342	IO					4.70

26.917	0.00	0.10	0.341	IO					4.69
27.000	0.00	0.10	0.341	IO					4.69
27.083	0.00	0.09	0.340	IO					4.68
27.167	0.00	0.09	0.339	IO					4.67
27.250	0.00	0.09	0.339	IO					4.66
27.333	0.00	0.09	0.338	IO					4.65
27.417	0.00	0.09	0.337	IO					4.65
27.500	0.00	0.09	0.337	IO					4.64
27.583	0.00	0.09	0.336	IO					4.63
27.667	0.00	0.09	0.336	IO					4.63
27.750	0.00	0.09	0.335	IO					4.62
27.833	0.00	0.09	0.334	IO					4.61
27.917	0.00	0.09	0.334	IO					4.60
28.000	0.00	0.09	0.333	IO					4.60
28.083	0.00	0.08	0.333	IO					4.59
28.167	0.00	0.08	0.332	IO					4.58
28.250	0.00	0.08	0.331	IO					4.58
28.333	0.00	0.08	0.331	IO					4.57
28.417	0.00	0.08	0.330	IO					4.56
28.500	0.00	0.08	0.330	IO					4.56
28.583	0.00	0.08	0.329	IO					4.55
28.667	0.00	0.08	0.329	IO					4.54
28.750	0.00	0.08	0.328	IO					4.54
28.833	0.00	0.08	0.328	IO					4.53
28.917	0.00	0.08	0.327	IO					4.52
29.000	0.00	0.08	0.326	IO					4.52
29.083	0.00	0.08	0.326	IO					4.51
29.167	0.00	0.08	0.325	IO					4.50
29.250	0.00	0.07	0.325	IO					4.50
29.333	0.00	0.07	0.324	IO					4.49
29.417	0.00	0.07	0.324	IO					4.49
29.500	0.00	0.07	0.323	IO					4.48
29.583	0.00	0.07	0.323	IO					4.47
29.667	0.00	0.07	0.322	IO					4.47
29.750	0.00	0.07	0.322	IO					4.46
29.833	0.00	0.07	0.321	IO					4.46
29.917	0.00	0.07	0.321	IO					4.45
30.000	0.00	0.07	0.320	IO					4.44
30.083	0.00	0.07	0.320	IO					4.44
30.167	0.00	0.07	0.319	IO					4.43
30.250	0.00	0.07	0.319	IO					4.43
30.333	0.00	0.07	0.318	IO					4.42
30.417	0.00	0.07	0.318	IO					4.41
30.500	0.00	0.07	0.317	IO					4.41
30.583	0.00	0.07	0.317	IO					4.40
30.667	0.00	0.07	0.316	IO					4.40
30.750	0.00	0.07	0.316	IO					4.39
30.833	0.00	0.07	0.315	IO					4.39
30.917	0.00	0.07	0.315	IO					4.38
31.000	0.00	0.07	0.314	IO					4.37

31.083	0.00	0.07	0.314	IO					4.37
31.167	0.00	0.07	0.313	IO					4.36
31.250	0.00	0.07	0.313	IO					4.36
31.333	0.00	0.07	0.312	IO					4.35
31.417	0.00	0.07	0.312	IO					4.34
31.500	0.00	0.07	0.311	IO					4.34
31.583	0.00	0.07	0.311	IO					4.33
31.667	0.00	0.07	0.310	IO					4.33
31.750	0.00	0.07	0.310	IO					4.32
31.833	0.00	0.07	0.309	IO					4.31
31.917	0.00	0.07	0.309	IO					4.31
32.000	0.00	0.07	0.308	IO					4.30
32.083	0.00	0.07	0.307	IO					4.30
32.167	0.00	0.07	0.307	IO					4.29
32.250	0.00	0.07	0.306	IO					4.28
32.333	0.00	0.07	0.306	IO					4.28
32.417	0.00	0.07	0.305	IO					4.27
32.500	0.00	0.07	0.305	IO					4.27
32.583	0.00	0.07	0.304	IO					4.26
32.667	0.00	0.07	0.304	IO					4.26
32.750	0.00	0.07	0.303	IO					4.25
32.833	0.00	0.07	0.303	IO					4.24
32.917	0.00	0.07	0.302	IO					4.24
33.000	0.00	0.07	0.302	IO					4.23
33.083	0.00	0.07	0.301	IO					4.23
33.167	0.00	0.07	0.301	IO					4.22
33.250	0.00	0.07	0.300	IO					4.21
33.333	0.00	0.07	0.300	IO					4.21
33.417	0.00	0.07	0.299	IO					4.20
33.500	0.00	0.07	0.299	IO					4.20
33.583	0.00	0.07	0.298	IO					4.19
33.667	0.00	0.07	0.298	IO					4.19
33.750	0.00	0.07	0.297	IO					4.18
33.833	0.00	0.07	0.297	IO					4.17
33.917	0.00	0.07	0.296	IO					4.17
34.000	0.00	0.07	0.296	IO					4.16
34.083	0.00	0.07	0.295	IO					4.16
34.167	0.00	0.07	0.295	IO					4.15
34.250	0.00	0.07	0.294	IO					4.14
34.333	0.00	0.07	0.294	IO					4.14
34.417	0.00	0.07	0.293	IO					4.13
34.500	0.00	0.07	0.293	IO					4.13
34.583	0.00	0.07	0.292	IO					4.12
34.667	0.00	0.07	0.292	IO					4.12
34.750	0.00	0.07	0.291	IO					4.11
34.833	0.00	0.07	0.291	IO					4.10
34.917	0.00	0.07	0.291	IO					4.10
35.000	0.00	0.07	0.290	IO					4.09
35.083	0.00	0.07	0.290	IO					4.09
35.167	0.00	0.07	0.289	IO					4.08

35.250	0.00	0.07	0.289	IO					4.08
35.333	0.00	0.07	0.288	IO					4.07
35.417	0.00	0.07	0.288	IO					4.06
35.500	0.00	0.07	0.287	IO					4.06
35.583	0.00	0.07	0.287	IO					4.05
35.667	0.00	0.07	0.286	IO					4.05
35.750	0.00	0.07	0.286	IO					4.04
35.833	0.00	0.07	0.285	IO					4.04
35.917	0.00	0.07	0.285	IO					4.03
36.000	0.00	0.07	0.284	IO					4.02
36.083	0.00	0.07	0.284	IO					4.02
36.167	0.00	0.07	0.283	IO					4.01
36.250	0.00	0.07	0.283	IO					4.01
36.333	0.00	0.07	0.282	IO					4.00
36.417	0.00	0.07	0.282	IO					4.00
36.500	0.00	0.07	0.281	IO					3.99
36.583	0.00	0.07	0.281	IO					3.98
36.667	0.00	0.07	0.280	IO					3.98
36.750	0.00	0.07	0.280	IO					3.97
36.833	0.00	0.07	0.279	IO					3.97
36.917	0.00	0.07	0.279	IO					3.96
37.000	0.00	0.07	0.278	IO					3.96
37.083	0.00	0.07	0.278	IO					3.95
37.167	0.00	0.07	0.277	IO					3.95
37.250	0.00	0.07	0.277	IO					3.94
37.333	0.00	0.07	0.276	IO					3.93
37.417	0.00	0.07	0.276	IO					3.93
37.500	0.00	0.07	0.275	IO					3.92
37.583	0.00	0.07	0.275	IO					3.92
37.667	0.00	0.07	0.274	IO					3.91
37.750	0.00	0.07	0.274	IO					3.91
37.833	0.00	0.07	0.273	IO					3.90
37.917	0.00	0.07	0.273	IO					3.89
38.000	0.00	0.07	0.272	IO					3.89
38.083	0.00	0.07	0.272	IO					3.88
38.167	0.00	0.07	0.271	IO					3.88
38.250	0.00	0.07	0.271	IO					3.87
38.333	0.00	0.07	0.271	IO					3.87
38.417	0.00	0.07	0.270	IO					3.86
38.500	0.00	0.07	0.270	IO					3.86
38.583	0.00	0.07	0.269	IO					3.85
38.667	0.00	0.07	0.269	IO					3.84
38.750	0.00	0.07	0.268	IO					3.84
38.833	0.00	0.07	0.268	IO					3.83
38.917	0.00	0.07	0.267	IO					3.83
39.000	0.00	0.07	0.267	IO					3.82
39.083	0.00	0.07	0.266	IO					3.82
39.167	0.00	0.07	0.266	IO					3.81
39.250	0.00	0.07	0.265	IO					3.81
39.333	0.00	0.07	0.265	IO					3.80

39.417	0.00	0.07	0.264	IO					3.79
39.500	0.00	0.07	0.264	IO					3.79
39.583	0.00	0.07	0.263	IO					3.78
39.667	0.00	0.07	0.263	IO					3.78
39.750	0.00	0.07	0.262	IO					3.77
39.833	0.00	0.07	0.262	IO					3.77
39.917	0.00	0.07	0.261	IO					3.76
40.000	0.00	0.07	0.261	IO					3.76
40.083	0.00	0.07	0.261	IO					3.75
40.167	0.00	0.07	0.260	IO					3.74
40.250	0.00	0.07	0.260	IO					3.74
40.333	0.00	0.07	0.259	IO					3.73
40.417	0.00	0.07	0.259	IO					3.73
40.500	0.00	0.07	0.258	IO					3.72
40.583	0.00	0.07	0.258	IO					3.72
40.667	0.00	0.07	0.257	IO					3.71
40.750	0.00	0.07	0.257	IO					3.71
40.833	0.00	0.07	0.256	IO					3.70
40.917	0.00	0.07	0.256	IO					3.70
41.000	0.00	0.07	0.255	IO					3.69
41.083	0.00	0.07	0.255	IO					3.68
41.167	0.00	0.07	0.254	IO					3.68
41.250	0.00	0.07	0.254	IO					3.67
41.333	0.00	0.07	0.253	IO					3.67
41.417	0.00	0.07	0.253	IO					3.66
41.500	0.00	0.07	0.253	IO					3.66
41.583	0.00	0.07	0.252	IO					3.65
41.667	0.00	0.07	0.252	IO					3.65
41.750	0.00	0.07	0.251	IO					3.64
41.833	0.00	0.07	0.251	IO					3.64
41.917	0.00	0.07	0.250	IO					3.63
42.000	0.00	0.07	0.250	IO					3.63
42.083	0.00	0.07	0.249	IO					3.62
42.167	0.00	0.07	0.249	IO					3.61
42.250	0.00	0.07	0.248	IO					3.61
42.333	0.00	0.07	0.248	IO					3.60
42.417	0.00	0.07	0.247	IO					3.60
42.500	0.00	0.07	0.247	IO					3.59
42.583	0.00	0.07	0.247	IO					3.59
42.667	0.00	0.07	0.246	IO					3.58
42.750	0.00	0.07	0.246	IO					3.58
42.833	0.00	0.07	0.245	IO					3.57
42.917	0.00	0.07	0.245	IO					3.57
43.000	0.00	0.07	0.244	IO					3.56
43.083	0.00	0.07	0.244	IO					3.56
43.167	0.00	0.07	0.243	IO					3.55
43.250	0.00	0.07	0.243	IO					3.54
43.333	0.00	0.07	0.242	IO					3.54
43.417	0.00	0.07	0.242	IO					3.53
43.500	0.00	0.07	0.241	IO					3.53

43.583	0.00	0.07	0.241	IO					3.52
43.667	0.00	0.07	0.241	IO					3.52
43.750	0.00	0.07	0.240	IO					3.51
43.833	0.00	0.07	0.240	IO					3.51
43.917	0.00	0.07	0.239	IO					3.50
44.000	0.00	0.07	0.239	IO					3.50
44.083	0.00	0.07	0.238	IO					3.49
44.167	0.00	0.07	0.238	IO					3.49
44.250	0.00	0.07	0.237	IO					3.48
44.333	0.00	0.07	0.237	IO					3.48
44.417	0.00	0.07	0.236	IO					3.47
44.500	0.00	0.07	0.236	IO					3.47
44.583	0.00	0.07	0.236	IO					3.46
44.667	0.00	0.07	0.235	IO					3.46
44.750	0.00	0.07	0.235	IO					3.45
44.833	0.00	0.07	0.234	IO					3.44
44.917	0.00	0.07	0.234	IO					3.44
45.000	0.00	0.07	0.233	IO					3.43
45.083	0.00	0.07	0.233	IO					3.43
45.167	0.00	0.07	0.232	IO					3.42
45.250	0.00	0.07	0.232	IO					3.42
45.333	0.00	0.07	0.232	IO					3.41
45.417	0.00	0.07	0.231	IO					3.41
45.500	0.00	0.07	0.231	IO					3.40
45.583	0.00	0.06	0.230	IO					3.40
45.667	0.00	0.06	0.230	IO					3.39
45.750	0.00	0.06	0.229	IO					3.39
45.833	0.00	0.06	0.229	IO					3.38
45.917	0.00	0.06	0.228	IO					3.38
46.000	0.00	0.06	0.228	IO					3.37
46.083	0.00	0.06	0.228	IO					3.37
46.167	0.00	0.06	0.227	IO					3.36
46.250	0.00	0.06	0.227	IO					3.36
46.333	0.00	0.06	0.226	IO					3.35
46.417	0.00	0.06	0.226	IO					3.35
46.500	0.00	0.06	0.225	IO					3.34
46.583	0.00	0.06	0.225	IO					3.34
46.667	0.00	0.06	0.224	IO					3.33
46.750	0.00	0.06	0.224	IO					3.33
46.833	0.00	0.06	0.224	IO					3.32
46.917	0.00	0.06	0.223	IO					3.31
47.000	0.00	0.06	0.223	IO					3.31
47.083	0.00	0.06	0.222	IO					3.30
47.167	0.00	0.06	0.222	IO					3.30
47.250	0.00	0.06	0.221	IO					3.29
47.333	0.00	0.06	0.221	IO					3.29
47.417	0.00	0.06	0.220	IO					3.28
47.500	0.00	0.06	0.220	IO					3.28
47.583	0.00	0.06	0.220	IO					3.27
47.667	0.00	0.06	0.219	IO					3.27

47.750	0.00	0.06	0.219	IO					3.26
47.833	0.00	0.06	0.218	IO					3.26
47.917	0.00	0.06	0.218	IO					3.25
48.000	0.00	0.06	0.217	IO					3.25
48.083	0.00	0.06	0.217	IO					3.24
48.167	0.00	0.06	0.216	IO					3.24
48.250	0.00	0.06	0.216	IO					3.23
48.333	0.00	0.06	0.216	IO					3.23
48.417	0.00	0.06	0.215	IO					3.22
48.500	0.00	0.06	0.215	IO					3.22
48.583	0.00	0.06	0.214	IO					3.21
48.667	0.00	0.06	0.214	IO					3.21
48.750	0.00	0.06	0.213	IO					3.20
48.833	0.00	0.06	0.213	IO					3.20
48.917	0.00	0.06	0.213	IO					3.19
49.000	0.00	0.06	0.212	IO					3.19
49.083	0.00	0.06	0.212	IO					3.18
49.167	0.00	0.06	0.211	IO					3.18
49.250	0.00	0.06	0.211	IO					3.17
49.333	0.00	0.06	0.210	IO					3.17
49.417	0.00	0.06	0.210	IO					3.16
49.500	0.00	0.06	0.210	IO					3.16
49.583	0.00	0.06	0.209	IO					3.15
49.667	0.00	0.06	0.209	IO					3.15
49.750	0.00	0.06	0.208	IO					3.14
49.833	0.00	0.06	0.208	IO					3.14
49.917	0.00	0.06	0.207	IO					3.13
50.000	0.00	0.06	0.207	IO					3.13
50.083	0.00	0.06	0.207	IO					3.12
50.167	0.00	0.06	0.206	IO					3.12
50.250	0.00	0.06	0.206	IO					3.11
50.333	0.00	0.06	0.205	IO					3.11
50.417	0.00	0.06	0.205	IO					3.10
50.500	0.00	0.06	0.204	IO					3.10
50.583	0.00	0.06	0.204	IO					3.09
50.667	0.00	0.06	0.204	IO					3.09
50.750	0.00	0.06	0.203	IO					3.08
50.833	0.00	0.06	0.203	IO					3.08
50.917	0.00	0.06	0.202	IO					3.07
51.000	0.00	0.06	0.202	IO					3.07
51.083	0.00	0.06	0.201	IO					3.06
51.167	0.00	0.06	0.201	IO					3.06
51.250	0.00	0.06	0.201	IO					3.05
51.333	0.00	0.06	0.200	IO					3.05
51.417	0.00	0.06	0.200	IO					3.04
51.500	0.00	0.06	0.199	IO					3.04
51.583	0.00	0.06	0.199	IO					3.03
51.667	0.00	0.06	0.198	IO					3.03
51.750	0.00	0.06	0.198	IO					3.02
51.833	0.00	0.06	0.198	IO					3.02

51.917	0.00	0.06	0.197	IO					3.01
52.000	0.00	0.06	0.197	IO					3.01
52.083	0.00	0.06	0.196	IO					3.00
52.167	0.00	0.06	0.196	IO					3.00
52.250	0.00	0.06	0.196	IO					2.99
52.333	0.00	0.06	0.195	IO					2.99
52.417	0.00	0.06	0.195	IO					2.98
52.500	0.00	0.06	0.194	IO					2.98
52.583	0.00	0.06	0.194	IO					2.97
52.667	0.00	0.06	0.193	IO					2.97
52.750	0.00	0.06	0.193	IO					2.96
52.833	0.00	0.06	0.193	IO					2.96
52.917	0.00	0.06	0.192	IO					2.95
53.000	0.00	0.06	0.192	IO					2.95
53.083	0.00	0.06	0.191	IO					2.94
53.167	0.00	0.06	0.191	IO					2.94
53.250	0.00	0.06	0.191	IO					2.93
53.333	0.00	0.06	0.190	IO					2.93
53.417	0.00	0.06	0.190	IO					2.92
53.500	0.00	0.06	0.189	IO					2.92
53.583	0.00	0.06	0.189	IO					2.91
53.667	0.00	0.06	0.188	IO					2.91
53.750	0.00	0.06	0.188	IO					2.90
53.833	0.00	0.06	0.188	IO					2.90
53.917	0.00	0.06	0.187	IO					2.89
54.000	0.00	0.06	0.187	IO					2.89
54.083	0.00	0.06	0.186	IO					2.88
54.167	0.00	0.06	0.186	IO					2.88
54.250	0.00	0.06	0.186	IO					2.87
54.333	0.00	0.06	0.185	IO					2.87
54.417	0.00	0.06	0.185	IO					2.86
54.500	0.00	0.06	0.184	IO					2.86
54.583	0.00	0.06	0.184	IO					2.85
54.667	0.00	0.06	0.184	IO					2.85
54.750	0.00	0.06	0.183	IO					2.84
54.833	0.00	0.06	0.183	IO					2.84
54.917	0.00	0.06	0.182	IO					2.83
55.000	0.00	0.06	0.182	IO					2.83
55.083	0.00	0.06	0.181	IO					2.82
55.167	0.00	0.06	0.181	IO					2.82
55.250	0.00	0.06	0.181	IO					2.82
55.333	0.00	0.06	0.180	IO					2.81
55.417	0.00	0.06	0.180	IO					2.81
55.500	0.00	0.06	0.179	IO					2.80
55.583	0.00	0.06	0.179	IO					2.80
55.667	0.00	0.06	0.179	IO					2.79
55.750	0.00	0.06	0.178	IO					2.79
55.833	0.00	0.06	0.178	IO					2.78
55.917	0.00	0.06	0.177	IO					2.78
56.000	0.00	0.06	0.177	IO					2.77

56.083	0.00	0.06	0.177	IO					2.77
56.167	0.00	0.06	0.176	IO					2.76
56.250	0.00	0.06	0.176	IO					2.76
56.333	0.00	0.06	0.175	IO					2.75
56.417	0.00	0.06	0.175	IO					2.75
56.500	0.00	0.06	0.175	IO					2.74
56.583	0.00	0.06	0.174	IO					2.74
56.667	0.00	0.06	0.174	IO					2.73
56.750	0.00	0.06	0.173	IO					2.73
56.833	0.00	0.06	0.173	IO					2.72
56.917	0.00	0.06	0.173	IO					2.72
57.000	0.00	0.06	0.172	IO					2.71
57.083	0.00	0.06	0.172	IO					2.71
57.167	0.00	0.06	0.171	IO					2.70
57.250	0.00	0.06	0.171	IO					2.70
57.333	0.00	0.06	0.171	IO					2.69
57.417	0.00	0.06	0.170	IO					2.69
57.500	0.00	0.06	0.170	IO					2.68
57.583	0.00	0.06	0.169	IO					2.68
57.667	0.00	0.06	0.169	IO					2.68
57.750	0.00	0.06	0.169	IO					2.67
57.833	0.00	0.06	0.168	IO					2.67
57.917	0.00	0.06	0.168	O					2.66
58.000	0.00	0.06	0.167	O					2.66
58.083	0.00	0.06	0.167	O					2.65
58.167	0.00	0.06	0.167	O					2.65
58.250	0.00	0.06	0.166	O					2.64
58.333	0.00	0.06	0.166	O					2.64
58.417	0.00	0.06	0.165	O					2.63
58.500	0.00	0.06	0.165	O					2.63
58.583	0.00	0.06	0.165	O					2.62
58.667	0.00	0.06	0.164	O					2.62
58.750	0.00	0.06	0.164	O					2.61
58.833	0.00	0.06	0.164	O					2.61
58.917	0.00	0.06	0.163	O					2.60
59.000	0.00	0.06	0.163	O					2.60
59.083	0.00	0.06	0.162	O					2.59
59.167	0.00	0.06	0.162	O					2.59
59.250	0.00	0.06	0.162	O					2.59
59.333	0.00	0.06	0.161	O					2.58
59.417	0.00	0.06	0.161	O					2.58
59.500	0.00	0.06	0.160	O					2.57
59.583	0.00	0.06	0.160	O					2.57
59.667	0.00	0.06	0.160	O					2.56
59.750	0.00	0.06	0.159	O					2.56
59.833	0.00	0.06	0.159	O					2.55
59.917	0.00	0.06	0.158	O					2.55
60.000	0.00	0.06	0.158	O					2.54
60.083	0.00	0.06	0.158	O					2.54
60.167	0.00	0.06	0.157	O					2.53

60.250	0.00	0.06	0.157	0					2.53
60.333	0.00	0.06	0.157	0					2.52
60.417	0.00	0.06	0.156	0					2.52
60.500	0.00	0.06	0.156	0					2.52
60.583	0.00	0.06	0.155	0					2.51
60.667	0.00	0.06	0.155	0					2.51
60.750	0.00	0.06	0.155	0					2.50
60.833	0.00	0.06	0.154	0					2.50
60.917	0.00	0.06	0.154	0					2.49
61.000	0.00	0.06	0.153	0					2.49
61.083	0.00	0.06	0.153	0					2.48
61.167	0.00	0.06	0.153	0					2.48
61.250	0.00	0.06	0.152	0					2.47
61.333	0.00	0.06	0.152	0					2.47
61.417	0.00	0.06	0.152	0					2.47
61.500	0.00	0.06	0.151	0					2.46
61.583	0.00	0.06	0.151	0					2.46
61.667	0.00	0.05	0.150	0					2.45
61.750	0.00	0.05	0.150	0					2.45
61.833	0.00	0.05	0.150	0					2.44
61.917	0.00	0.05	0.149	0					2.44
62.000	0.00	0.05	0.149	0					2.43
62.083	0.00	0.05	0.149	0					2.43
62.167	0.00	0.05	0.148	0					2.42
62.250	0.00	0.05	0.148	0					2.42
62.333	0.00	0.05	0.147	0					2.41
62.417	0.00	0.05	0.147	0					2.41
62.500	0.00	0.05	0.147	0					2.41
62.583	0.00	0.05	0.146	0					2.40
62.667	0.00	0.05	0.146	0					2.40
62.750	0.00	0.05	0.146	0					2.39
62.833	0.00	0.05	0.145	0					2.39
62.917	0.00	0.05	0.145	0					2.38
63.000	0.00	0.05	0.144	0					2.38
63.083	0.00	0.05	0.144	0					2.37
63.167	0.00	0.05	0.144	0					2.37
63.250	0.00	0.05	0.143	0					2.37
63.333	0.00	0.05	0.143	0					2.36
63.417	0.00	0.05	0.143	0					2.36
63.500	0.00	0.05	0.142	0					2.35
63.583	0.00	0.05	0.142	0					2.35
63.667	0.00	0.05	0.141	0					2.34
63.750	0.00	0.05	0.141	0					2.34
63.833	0.00	0.05	0.141	0					2.33
63.917	0.00	0.05	0.140	0					2.33
64.000	0.00	0.05	0.140	0					2.33
64.083	0.00	0.05	0.140	0					2.32
64.167	0.00	0.05	0.139	0					2.32
64.250	0.00	0.05	0.139	0					2.31
64.333	0.00	0.05	0.139	0					2.31

64.417	0.00	0.05	0.138	0					2.30
64.500	0.00	0.05	0.138	0					2.30
64.583	0.00	0.05	0.137	0					2.29
64.667	0.00	0.05	0.137	0					2.29
64.750	0.00	0.05	0.137	0					2.29
64.833	0.00	0.05	0.136	0					2.28
64.917	0.00	0.05	0.136	0					2.28
65.000	0.00	0.05	0.136	0					2.27
65.083	0.00	0.05	0.135	0					2.27
65.167	0.00	0.05	0.135	0					2.26
65.250	0.00	0.05	0.134	0					2.26
65.333	0.00	0.05	0.134	0					2.25
65.417	0.00	0.05	0.134	0					2.25
65.500	0.00	0.05	0.133	0					2.25
65.583	0.00	0.05	0.133	0					2.24
65.667	0.00	0.05	0.133	0					2.24
65.750	0.00	0.05	0.132	0					2.23
65.833	0.00	0.05	0.132	0					2.23
65.917	0.00	0.05	0.132	0					2.22
66.000	0.00	0.05	0.131	0					2.22
66.083	0.00	0.05	0.131	0					2.22
66.167	0.00	0.05	0.131	0					2.21
66.250	0.00	0.05	0.130	0					2.21
66.333	0.00	0.05	0.130	0					2.20
66.417	0.00	0.05	0.129	0					2.20
66.500	0.00	0.05	0.129	0					2.19
66.583	0.00	0.05	0.129	0					2.19
66.667	0.00	0.05	0.128	0					2.19
66.750	0.00	0.05	0.128	0					2.18
66.833	0.00	0.05	0.128	0					2.18
66.917	0.00	0.05	0.127	0					2.17
67.000	0.00	0.05	0.127	0					2.17
67.083	0.00	0.05	0.127	0					2.16
67.167	0.00	0.05	0.126	0					2.16
67.250	0.00	0.05	0.126	0					2.15
67.333	0.00	0.05	0.126	0					2.15
67.417	0.00	0.05	0.125	0					2.15
67.500	0.00	0.05	0.125	0					2.14
67.583	0.00	0.05	0.124	0					2.14
67.667	0.00	0.05	0.124	0					2.13
67.750	0.00	0.05	0.124	0					2.13
67.833	0.00	0.05	0.123	0					2.12
67.917	0.00	0.05	0.123	0					2.12
68.000	0.00	0.05	0.123	0					2.12
68.083	0.00	0.05	0.122	0					2.11
68.167	0.00	0.05	0.122	0					2.11
68.250	0.00	0.05	0.122	0					2.10
68.333	0.00	0.05	0.121	0					2.10
68.417	0.00	0.05	0.121	0					2.10
68.500	0.00	0.05	0.121	0					2.09

68.583	0.00	0.05	0.120	0					2.09
68.667	0.00	0.05	0.120	0					2.08
68.750	0.00	0.05	0.120	0					2.08
68.833	0.00	0.05	0.119	0					2.07
68.917	0.00	0.05	0.119	0					2.07
69.000	0.00	0.05	0.118	0					2.07
69.083	0.00	0.05	0.118	0					2.06
69.167	0.00	0.05	0.118	0					2.06
69.250	0.00	0.05	0.117	0					2.05
69.333	0.00	0.05	0.117	0					2.05
69.417	0.00	0.05	0.117	0					2.04
69.500	0.00	0.05	0.116	0					2.04
69.583	0.00	0.05	0.116	0					2.04
69.667	0.00	0.05	0.116	0					2.03
69.750	0.00	0.05	0.115	0					2.03
69.833	0.00	0.05	0.115	0					2.02
69.917	0.00	0.05	0.115	0					2.02
70.000	0.00	0.05	0.114	0					2.02
70.083	0.00	0.05	0.114	0					2.01
70.167	0.00	0.05	0.114	0					2.01
70.250	0.00	0.05	0.113	0					2.00
70.333	0.00	0.05	0.113	0					2.00
70.417	0.00	0.05	0.113	0					1.99
70.500	0.00	0.05	0.112	0					1.99
70.583	0.00	0.05	0.112	0					1.98
70.667	0.00	0.05	0.112	0					1.98
70.750	0.00	0.05	0.111	0					1.97
70.833	0.00	0.05	0.111	0					1.97
70.917	0.00	0.05	0.111	0					1.96
71.000	0.00	0.05	0.110	0					1.96
71.083	0.00	0.05	0.110	0					1.95
71.167	0.00	0.05	0.109	0					1.95
71.250	0.00	0.05	0.109	0					1.94
71.333	0.00	0.05	0.109	0					1.94
71.417	0.00	0.05	0.108	0					1.94
71.500	0.00	0.05	0.108	0					1.93
71.583	0.00	0.05	0.108	0					1.93
71.667	0.00	0.05	0.107	0					1.92
71.750	0.00	0.05	0.107	0					1.92
71.833	0.00	0.05	0.107	0					1.91
71.917	0.00	0.05	0.106	0					1.91
72.000	0.00	0.05	0.106	0					1.90
72.083	0.00	0.05	0.106	0					1.90
72.167	0.00	0.05	0.105	0					1.89
72.250	0.00	0.05	0.105	0					1.89
72.333	0.00	0.05	0.105	0					1.88
72.417	0.00	0.05	0.104	0					1.88
72.500	0.00	0.05	0.104	0					1.87
72.583	0.00	0.05	0.104	0					1.87
72.667	0.00	0.05	0.103	0					1.86

72.750	0.00	0.05	0.103	0					1.86
72.833	0.00	0.05	0.103	0					1.85
72.917	0.00	0.05	0.102	0					1.85
73.000	0.00	0.05	0.102	0					1.84
73.083	0.00	0.05	0.102	0					1.84
73.167	0.00	0.05	0.101	0					1.84
73.250	0.00	0.05	0.101	0					1.83
73.333	0.00	0.05	0.101	0					1.83
73.417	0.00	0.05	0.101	0					1.82
73.500	0.00	0.05	0.100	0					1.82
73.583	0.00	0.05	0.100	0					1.81
73.667	0.00	0.05	0.100	0					1.81
73.750	0.00	0.05	0.099	0					1.80
73.833	0.00	0.05	0.099	0					1.80
73.917	0.00	0.05	0.099	0					1.79
74.000	0.00	0.05	0.098	0					1.79
74.083	0.00	0.05	0.098	0					1.78
74.167	0.00	0.05	0.098	0					1.78
74.250	0.00	0.05	0.097	0					1.78
74.333	0.00	0.05	0.097	0					1.77
74.417	0.00	0.05	0.097	0					1.77
74.500	0.00	0.05	0.096	0					1.76
74.583	0.00	0.05	0.096	0					1.76
74.667	0.00	0.05	0.096	0					1.75
74.750	0.00	0.05	0.095	0					1.75
74.833	0.00	0.05	0.095	0					1.74
74.917	0.00	0.05	0.095	0					1.74
75.000	0.00	0.05	0.094	0					1.73
75.083	0.00	0.05	0.094	0					1.73
75.167	0.00	0.05	0.094	0					1.73
75.250	0.00	0.05	0.093	0					1.72
75.333	0.00	0.05	0.093	0					1.72
75.417	0.00	0.05	0.093	0					1.71
75.500	0.00	0.05	0.093	0					1.71
75.583	0.00	0.05	0.092	0					1.70
75.667	0.00	0.05	0.092	0					1.70
75.750	0.00	0.05	0.092	0					1.69
75.833	0.00	0.05	0.091	0					1.69
75.917	0.00	0.05	0.091	0					1.68
76.000	0.00	0.05	0.091	0					1.68
76.083	0.00	0.05	0.090	0					1.68
76.167	0.00	0.05	0.090	0					1.67
76.250	0.00	0.05	0.090	0					1.67
76.333	0.00	0.04	0.089	0					1.66
76.417	0.00	0.04	0.089	0					1.66
76.500	0.00	0.04	0.089	0					1.65
76.583	0.00	0.04	0.088	0					1.65
76.667	0.00	0.04	0.088	0					1.65
76.750	0.00	0.04	0.088	0					1.64
76.833	0.00	0.04	0.088	0					1.64

76.917	0.00	0.04	0.087	0					1.63
77.000	0.00	0.04	0.087	0					1.63
77.083	0.00	0.04	0.087	0					1.62
77.167	0.00	0.04	0.086	0					1.62
77.250	0.00	0.04	0.086	0					1.61
77.333	0.00	0.04	0.086	0					1.61
77.417	0.00	0.04	0.085	0					1.61
77.500	0.00	0.04	0.085	0					1.60
77.583	0.00	0.04	0.085	0					1.60
77.667	0.00	0.04	0.084	0					1.59
77.750	0.00	0.04	0.084	0					1.59
77.833	0.00	0.04	0.084	0					1.58
77.917	0.00	0.04	0.084	0					1.58
78.000	0.00	0.04	0.083	0					1.58
78.083	0.00	0.04	0.083	0					1.57
78.167	0.00	0.04	0.083	0					1.57
78.250	0.00	0.04	0.082	0					1.56
78.333	0.00	0.04	0.082	0					1.56
78.417	0.00	0.04	0.082	0					1.55
78.500	0.00	0.04	0.081	0					1.55
78.583	0.00	0.04	0.081	0					1.55
78.667	0.00	0.04	0.081	0					1.54
78.750	0.00	0.04	0.081	0					1.54
78.833	0.00	0.04	0.080	0					1.53
78.917	0.00	0.04	0.080	0					1.53
79.000	0.00	0.04	0.080	0					1.52
79.083	0.00	0.04	0.079	0					1.52
79.167	0.00	0.04	0.079	0					1.52
79.250	0.00	0.04	0.079	0					1.51
79.333	0.00	0.04	0.079	0					1.51
79.417	0.00	0.04	0.078	0					1.50
79.500	0.00	0.04	0.078	0					1.50
79.583	0.00	0.04	0.078	0					1.50
79.667	0.00	0.04	0.077	0					1.49
79.750	0.00	0.04	0.077	0					1.49
79.833	0.00	0.04	0.077	0					1.48
79.917	0.00	0.04	0.076	0					1.48
80.000	0.00	0.04	0.076	0					1.47
80.083	0.00	0.04	0.076	0					1.47
80.167	0.00	0.04	0.076	0					1.47
80.250	0.00	0.04	0.075	0					1.46
80.333	0.00	0.04	0.075	0					1.46
80.417	0.00	0.04	0.075	0					1.45
80.500	0.00	0.04	0.074	0					1.45
80.583	0.00	0.04	0.074	0					1.45
80.667	0.00	0.04	0.074	0					1.44
80.750	0.00	0.04	0.074	0					1.44
80.833	0.00	0.04	0.073	0					1.43
80.917	0.00	0.04	0.073	0					1.43
81.000	0.00	0.04	0.073	0					1.43

81.083	0.00	0.04	0.072	0					1.42
81.167	0.00	0.04	0.072	0					1.42
81.250	0.00	0.04	0.072	0					1.41
81.333	0.00	0.04	0.072	0					1.41
81.417	0.00	0.04	0.071	0					1.40
81.500	0.00	0.04	0.071	0					1.40
81.583	0.00	0.04	0.071	0					1.40
81.667	0.00	0.04	0.070	0					1.39
81.750	0.00	0.04	0.070	0					1.39
81.833	0.00	0.04	0.070	0					1.38
81.917	0.00	0.04	0.070	0					1.38
82.000	0.00	0.04	0.069	0					1.38
82.083	0.00	0.04	0.069	0					1.37
82.167	0.00	0.04	0.069	0					1.37
82.250	0.00	0.04	0.069	0					1.36
82.333	0.00	0.04	0.068	0					1.36
82.417	0.00	0.04	0.068	0					1.36
82.500	0.00	0.04	0.068	0					1.35
82.583	0.00	0.04	0.067	0					1.35
82.667	0.00	0.04	0.067	0					1.34
82.750	0.00	0.04	0.067	0					1.34
82.833	0.00	0.04	0.067	0					1.34
82.917	0.00	0.04	0.066	0					1.33
83.000	0.00	0.04	0.066	0					1.33
83.083	0.00	0.04	0.066	0					1.33
83.167	0.00	0.04	0.065	0					1.32
83.250	0.00	0.04	0.065	0					1.32
83.333	0.00	0.04	0.065	0					1.31
83.417	0.00	0.04	0.065	0					1.31
83.500	0.00	0.04	0.064	0					1.31
83.583	0.00	0.04	0.064	0					1.30
83.667	0.00	0.04	0.064	0					1.30
83.750	0.00	0.04	0.064	0					1.29
83.833	0.00	0.04	0.063	0					1.29
83.917	0.00	0.04	0.063	0					1.29
84.000	0.00	0.04	0.063	0					1.28
84.083	0.00	0.04	0.062	0					1.28
84.167	0.00	0.04	0.062	0					1.27
84.250	0.00	0.04	0.062	0					1.27
84.333	0.00	0.04	0.062	0					1.27
84.417	0.00	0.04	0.061	0					1.26
84.500	0.00	0.04	0.061	0					1.26
84.583	0.00	0.04	0.061	0					1.26
84.667	0.00	0.04	0.061	0					1.25
84.750	0.00	0.04	0.060	0					1.25
84.833	0.00	0.04	0.060	0					1.24
84.917	0.00	0.04	0.060	0					1.24
85.000	0.00	0.04	0.060	0					1.24
85.083	0.00	0.04	0.059	0					1.23
85.167	0.00	0.04	0.059	0					1.23

85.250	0.00	0.04	0.059	0					1.23
85.333	0.00	0.04	0.058	0					1.22
85.417	0.00	0.04	0.058	0					1.22
85.500	0.00	0.04	0.058	0					1.21
85.583	0.00	0.04	0.058	0					1.21
85.667	0.00	0.04	0.057	0					1.21
85.750	0.00	0.04	0.057	0					1.20
85.833	0.00	0.04	0.057	0					1.20
85.917	0.00	0.04	0.057	0					1.20
86.000	0.00	0.04	0.056	0					1.19
86.083	0.00	0.04	0.056	0					1.19
86.167	0.00	0.04	0.056	0					1.18
86.250	0.00	0.04	0.056	0					1.18
86.333	0.00	0.04	0.055	0					1.18
86.417	0.00	0.04	0.055	0					1.17
86.500	0.00	0.04	0.055	0					1.17
86.583	0.00	0.04	0.055	0					1.17
86.667	0.00	0.04	0.054	0					1.16
86.750	0.00	0.04	0.054	0					1.16
86.833	0.00	0.04	0.054	0					1.15
86.917	0.00	0.04	0.054	0					1.15
87.000	0.00	0.04	0.053	0					1.15
87.083	0.00	0.04	0.053	0					1.14
87.167	0.00	0.04	0.053	0					1.14
87.250	0.00	0.04	0.053	0					1.14
87.333	0.00	0.04	0.052	0					1.13
87.417	0.00	0.04	0.052	0					1.13
87.500	0.00	0.04	0.052	0					1.13
87.583	0.00	0.04	0.052	0					1.12
87.667	0.00	0.04	0.051	0					1.12
87.750	0.00	0.04	0.051	0					1.11
87.833	0.00	0.04	0.051	0					1.11
87.917	0.00	0.04	0.050	0					1.11
88.000	0.00	0.04	0.050	0					1.10
88.083	0.00	0.04	0.050	0					1.10
88.167	0.00	0.04	0.050	0					1.10
88.250	0.00	0.04	0.049	0					1.09
88.333	0.00	0.04	0.049	0					1.09
88.417	0.00	0.04	0.049	0					1.09
88.500	0.00	0.04	0.049	0					1.08
88.583	0.00	0.04	0.048	0					1.08
88.667	0.00	0.04	0.048	0					1.07
88.750	0.00	0.04	0.048	0					1.07
88.833	0.00	0.04	0.048	0					1.07
88.917	0.00	0.04	0.047	0					1.06
89.000	0.00	0.04	0.047	0					1.06
89.083	0.00	0.04	0.047	0					1.06
89.167	0.00	0.04	0.047	0					1.05
89.250	0.00	0.04	0.047	0					1.05
89.333	0.00	0.04	0.046	0					1.05

89.417	0.00	0.04	0.046	0					1.04
89.500	0.00	0.04	0.046	0					1.04
89.583	0.00	0.04	0.046	0					1.04
89.667	0.00	0.04	0.045	0					1.03
89.750	0.00	0.04	0.045	0					1.03
89.833	0.00	0.04	0.045	0					1.03
89.917	0.00	0.04	0.045	0					1.02
90.000	0.00	0.04	0.044	0					1.02
90.083	0.00	0.04	0.044	0					1.02
90.167	0.00	0.04	0.044	0					1.01
90.250	0.00	0.04	0.044	0					1.01
90.333	0.00	0.04	0.043	0					1.00
90.417	0.00	0.04	0.043	0					1.00
90.500	0.00	0.03	0.043	0					1.00
90.583	0.00	0.03	0.043	0					0.99
90.667	0.00	0.03	0.042	0					0.99
90.750	0.00	0.03	0.042	0					0.98
90.833	0.00	0.03	0.042	0					0.98
90.917	0.00	0.03	0.042	0					0.97
91.000	0.00	0.03	0.041	0					0.97
91.083	0.00	0.03	0.041	0					0.96
91.167	0.00	0.03	0.041	0					0.96
91.250	0.00	0.03	0.041	0					0.95
91.333	0.00	0.03	0.041	0					0.95
91.417	0.00	0.03	0.040	0					0.94
91.500	0.00	0.03	0.040	0					0.94
91.583	0.00	0.03	0.040	0					0.93
91.667	0.00	0.03	0.040	0					0.93
91.750	0.00	0.03	0.039	0					0.92
91.833	0.00	0.03	0.039	0					0.92
91.917	0.00	0.03	0.039	0					0.91
92.000	0.00	0.03	0.039	0					0.91
92.083	0.00	0.03	0.038	0					0.90
92.167	0.00	0.03	0.038	0					0.90
92.250	0.00	0.03	0.038	0					0.89
92.333	0.00	0.03	0.038	0					0.89
92.417	0.00	0.03	0.038	0					0.88
92.500	0.00	0.03	0.037	0					0.88
92.583	0.00	0.03	0.037	0					0.87
92.667	0.00	0.03	0.037	0					0.87
92.750	0.00	0.03	0.037	0					0.86
92.833	0.00	0.03	0.037	0					0.86
92.917	0.00	0.03	0.036	0					0.85
93.000	0.00	0.03	0.036	0					0.85
93.083	0.00	0.03	0.036	0					0.84
93.167	0.00	0.03	0.036	0					0.84
93.250	0.00	0.03	0.035	0					0.84
93.333	0.00	0.03	0.035	0					0.83
93.417	0.00	0.03	0.035	0					0.83
93.500	0.00	0.03	0.035	0					0.82

93.583	0.00	0.03	0.035	0					0.82
93.667	0.00	0.03	0.034	0					0.81
93.750	0.00	0.03	0.034	0					0.81
93.833	0.00	0.03	0.034	0					0.80
93.917	0.00	0.03	0.034	0					0.80
94.000	0.00	0.03	0.034	0					0.80
94.083	0.00	0.03	0.033	0					0.79
94.167	0.00	0.03	0.033	0					0.79
94.250	0.00	0.03	0.033	0					0.78
94.333	0.00	0.03	0.033	0					0.78
94.417	0.00	0.03	0.033	0					0.77
94.500	0.00	0.03	0.032	0					0.77
94.583	0.00	0.03	0.032	0					0.76
94.667	0.00	0.03	0.032	0					0.76
94.750	0.00	0.03	0.032	0					0.76
94.833	0.00	0.03	0.032	0					0.75
94.917	0.00	0.03	0.032	0					0.75
95.000	0.00	0.03	0.031	0					0.74
95.083	0.00	0.03	0.031	0					0.74
95.167	0.00	0.03	0.031	0					0.74
95.250	0.00	0.03	0.031	0					0.73
95.333	0.00	0.03	0.031	0					0.73
95.417	0.00	0.03	0.030	0					0.72
95.500	0.00	0.03	0.030	0					0.72
95.583	0.00	0.03	0.030	0					0.72
95.667	0.00	0.03	0.030	0					0.71
95.750	0.00	0.03	0.030	0					0.71
95.833	0.00	0.03	0.030	0					0.70
95.917	0.00	0.03	0.029	0					0.70
96.000	0.00	0.03	0.029	0					0.70
96.083	0.00	0.03	0.029	0					0.69
96.167	0.00	0.03	0.029	0					0.69
96.250	0.00	0.03	0.029	0					0.68
96.333	0.00	0.03	0.028	0					0.68
96.417	0.00	0.03	0.028	0					0.68
96.500	0.00	0.03	0.028	0					0.67
96.583	0.00	0.03	0.028	0					0.67
96.667	0.00	0.02	0.028	0					0.67
96.750	0.00	0.02	0.028	0					0.66
96.833	0.00	0.02	0.027	0					0.66
96.917	0.00	0.02	0.027	0					0.65
97.000	0.00	0.02	0.027	0					0.65
97.083	0.00	0.02	0.027	0					0.65
97.167	0.00	0.02	0.027	0					0.64
97.250	0.00	0.02	0.027	0					0.64
97.333	0.00	0.02	0.026	0					0.64
97.417	0.00	0.02	0.026	0					0.63
97.500	0.00	0.02	0.026	0					0.63
97.583	0.00	0.02	0.026	0					0.62
97.667	0.00	0.02	0.026	0					0.62

97.750	0.00	0.02	0.026	0					0.62
97.833	0.00	0.02	0.025	0					0.61
97.917	0.00	0.02	0.025	0					0.61
98.000	0.00	0.02	0.025	0					0.61
98.083	0.00	0.02	0.025	0					0.60
98.167	0.00	0.02	0.025	0					0.60
98.250	0.00	0.02	0.025	0					0.60
98.333	0.00	0.02	0.024	0					0.59
98.417	0.00	0.02	0.024	0					0.59
98.500	0.00	0.02	0.024	0					0.59
98.583	0.00	0.02	0.024	0					0.58
98.667	0.00	0.02	0.024	0					0.58
98.750	0.00	0.02	0.024	0					0.58
98.833	0.00	0.02	0.024	0					0.57
98.917	0.00	0.02	0.023	0					0.57
99.000	0.00	0.02	0.023	0					0.57
99.083	0.00	0.02	0.023	0					0.56
99.167	0.00	0.02	0.023	0					0.56
99.250	0.00	0.02	0.023	0					0.56
99.333	0.00	0.02	0.023	0					0.55
99.417	0.00	0.02	0.022	0					0.55
99.500	0.00	0.02	0.022	0					0.55
99.583	0.00	0.02	0.022	0					0.54
99.667	0.00	0.02	0.022	0					0.54
99.750	0.00	0.02	0.022	0					0.54
99.833	0.00	0.02	0.022	0					0.53
99.917	0.00	0.02	0.022	0					0.53
100.000	0.00	0.02	0.021	0					0.53
100.083	0.00	0.02	0.021	0					0.52
100.167	0.00	0.02	0.021	0					0.52
100.250	0.00	0.02	0.021	0					0.52
100.333	0.00	0.02	0.021	0					0.51
100.417	0.00	0.02	0.021	0					0.51
100.500	0.00	0.02	0.021	0					0.51
100.583	0.00	0.02	0.020	0					0.51
100.667	0.00	0.02	0.020	0					0.50
100.750	0.00	0.02	0.020	0					0.50
100.833	0.00	0.02	0.020	0					0.50
100.917	0.00	0.02	0.020	0					0.49
101.000	0.00	0.02	0.020	0					0.49
101.083	0.00	0.02	0.020	0					0.49
101.167	0.00	0.02	0.020	0					0.48
101.250	0.00	0.02	0.019	0					0.48
101.333	0.00	0.02	0.019	0					0.48
101.417	0.00	0.02	0.019	0					0.48
101.500	0.00	0.02	0.019	0					0.47
101.583	0.00	0.02	0.019	0					0.47
101.667	0.00	0.02	0.019	0					0.47
101.750	0.00	0.02	0.019	0					0.46
101.833	0.00	0.02	0.018	0					0.46

101.917	0.00	0.02	0.018	0					0.46
102.000	0.00	0.02	0.018	0					0.46
102.083	0.00	0.02	0.018	0					0.45
102.167	0.00	0.02	0.018	0					0.45
102.250	0.00	0.02	0.018	0					0.45
102.333	0.00	0.02	0.018	0					0.44
102.417	0.00	0.02	0.018	0					0.44
102.500	0.00	0.02	0.017	0					0.44
102.583	0.00	0.02	0.017	0					0.44
102.667	0.00	0.02	0.017	0					0.43
102.750	0.00	0.02	0.017	0					0.43
102.833	0.00	0.02	0.017	0					0.43
102.917	0.00	0.02	0.017	0					0.43
103.000	0.00	0.02	0.017	0					0.42
103.083	0.00	0.02	0.017	0					0.42
103.167	0.00	0.02	0.016	0					0.42
103.250	0.00	0.02	0.016	0					0.41
103.333	0.00	0.02	0.016	0					0.41
103.417	0.00	0.02	0.016	0					0.41
103.500	0.00	0.02	0.016	0					0.41
103.583	0.00	0.02	0.016	0					0.40
103.667	0.00	0.02	0.016	0					0.40
103.750	0.00	0.02	0.016	0					0.40
103.833	0.00	0.02	0.016	0					0.40
103.917	0.00	0.02	0.015	0					0.39
104.000	0.00	0.02	0.015	0					0.39
104.083	0.00	0.02	0.015	0					0.39
104.167	0.00	0.02	0.015	0					0.39
104.250	0.00	0.02	0.015	0					0.38
104.333	0.00	0.02	0.015	0					0.38
104.417	0.00	0.02	0.015	0					0.38
104.500	0.00	0.02	0.015	0					0.38
104.583	0.00	0.02	0.014	0					0.37
104.667	0.00	0.02	0.014	0					0.37
104.750	0.00	0.02	0.014	0					0.37
104.833	0.00	0.02	0.014	0					0.37
104.917	0.00	0.02	0.014	0					0.36
105.000	0.00	0.02	0.014	0					0.36
105.083	0.00	0.02	0.014	0					0.36
105.167	0.00	0.02	0.014	0					0.36
105.250	0.00	0.02	0.014	0					0.35
105.333	0.00	0.02	0.013	0					0.35
105.417	0.00	0.02	0.013	0					0.35
105.500	0.00	0.02	0.013	0					0.35
105.583	0.00	0.02	0.013	0					0.35
105.667	0.00	0.02	0.013	0					0.34
105.750	0.00	0.02	0.013	0					0.34
105.833	0.00	0.02	0.013	0					0.34
105.917	0.00	0.02	0.013	0					0.34
106.000	0.00	0.02	0.013	0					0.33

106.083	0.00	0.01	0.013	0					0.33
106.167	0.00	0.01	0.012	0					0.33
106.250	0.00	0.01	0.012	0					0.33
106.333	0.00	0.01	0.012	0					0.32
106.417	0.00	0.01	0.012	0					0.32
106.500	0.00	0.01	0.012	0					0.32
106.583	0.00	0.01	0.012	0					0.32
106.667	0.00	0.01	0.012	0					0.32
106.750	0.00	0.01	0.012	0					0.31
106.833	0.00	0.01	0.012	0					0.31
106.917	0.00	0.01	0.012	0					0.31
107.000	0.00	0.01	0.011	0					0.31
107.083	0.00	0.01	0.011	0					0.31
107.167	0.00	0.01	0.011	0					0.30
107.250	0.00	0.01	0.011	0					0.30
107.333	0.00	0.01	0.011	0					0.30
107.417	0.00	0.01	0.011	0					0.30
107.500	0.00	0.01	0.011	0					0.29
107.583	0.00	0.01	0.011	0					0.29
107.667	0.00	0.01	0.011	0					0.29
107.750	0.00	0.01	0.011	0					0.29
107.833	0.00	0.01	0.010	0					0.29
107.917	0.00	0.01	0.010	0					0.28
108.000	0.00	0.01	0.010	0					0.28
108.083	0.00	0.01	0.010	0					0.28
108.167	0.00	0.01	0.010	0					0.28
108.250	0.00	0.01	0.010	0					0.28
108.333	0.00	0.01	0.010	0					0.27
108.417	0.00	0.01	0.010	0					0.27
108.500	0.00	0.01	0.010	0					0.27
108.583	0.00	0.01	0.010	0					0.27
108.667	0.00	0.01	0.010	0					0.27
108.750	0.00	0.01	0.009	0					0.26
108.833	0.00	0.01	0.009	0					0.26
108.917	0.00	0.01	0.009	0					0.26
109.000	0.00	0.01	0.009	0					0.26
109.083	0.00	0.01	0.009	0					0.26
109.167	0.00	0.01	0.009	0					0.25
109.250	0.00	0.01	0.009	0					0.25
109.333	0.00	0.01	0.009	0					0.25
109.417	0.00	0.01	0.009	0					0.25
109.500	0.00	0.01	0.009	0					0.25
109.583	0.00	0.01	0.009	0					0.25
109.667	0.00	0.01	0.009	0					0.24
109.750	0.00	0.01	0.008	0					0.24
109.833	0.00	0.01	0.008	0					0.24
109.917	0.00	0.01	0.008	0					0.24
110.000	0.00	0.01	0.008	0					0.24
110.083	0.00	0.01	0.008	0					0.23
110.167	0.00	0.01	0.008	0					0.23

110.250	0.00	0.01	0.008	0					0.23
110.333	0.00	0.01	0.008	0					0.23
110.417	0.00	0.01	0.008	0					0.23
110.500	0.00	0.01	0.008	0					0.23
110.583	0.00	0.01	0.008	0					0.22
110.667	0.00	0.01	0.008	0					0.22
110.750	0.00	0.01	0.007	0					0.22
110.833	0.00	0.01	0.007	0					0.22
110.917	0.00	0.01	0.007	0					0.22
111.000	0.00	0.01	0.007	0					0.21
111.083	0.00	0.01	0.007	0					0.21
111.167	0.00	0.01	0.007	0					0.21
111.250	0.00	0.01	0.007	0					0.21
111.333	0.00	0.01	0.007	0					0.21
111.417	0.00	0.01	0.007	0					0.21
111.500	0.00	0.01	0.007	0					0.20
111.583	0.00	0.01	0.007	0					0.20
111.667	0.00	0.01	0.007	0					0.20
111.750	0.00	0.01	0.007	0					0.20
111.833	0.00	0.01	0.006	0					0.20
111.917	0.00	0.01	0.006	0					0.20
112.000	0.00	0.01	0.006	0					0.19
112.083	0.00	0.01	0.006	0					0.19
112.167	0.00	0.01	0.006	0					0.19
112.250	0.00	0.01	0.006	0					0.19
112.333	0.00	0.01	0.006	0					0.19
112.417	0.00	0.01	0.006	0					0.19
112.500	0.00	0.01	0.006	0					0.18
112.583	0.00	0.01	0.006	0					0.18
112.667	0.00	0.01	0.006	0					0.18
112.750	0.00	0.01	0.006	0					0.18
112.833	0.00	0.01	0.006	0					0.18
112.917	0.00	0.01	0.005	0					0.18
113.000	0.00	0.01	0.005	0					0.18
113.083	0.00	0.01	0.005	0					0.17
113.167	0.00	0.01	0.005	0					0.17
113.250	0.00	0.01	0.005	0					0.17
113.333	0.00	0.01	0.005	0					0.17
113.417	0.00	0.01	0.005	0					0.17
113.500	0.00	0.01	0.005	0					0.17
113.583	0.00	0.01	0.005	0					0.16
113.667	0.00	0.01	0.005	0					0.16
113.750	0.00	0.01	0.005	0					0.16
113.833	0.00	0.01	0.005	0					0.16
113.917	0.00	0.01	0.005	0					0.16
114.000	0.00	0.01	0.005	0					0.16
114.083	0.00	0.01	0.005	0					0.16
114.167	0.00	0.01	0.004	0					0.15
114.250	0.00	0.01	0.004	0					0.15
114.333	0.00	0.01	0.004	0					0.15

114.417	0.00	0.01	0.004	0					0.15
114.500	0.00	0.01	0.004	0					0.15
114.583	0.00	0.01	0.004	0					0.15
114.667	0.00	0.01	0.004	0					0.15
114.750	0.00	0.01	0.004	0					0.14
114.833	0.00	0.01	0.004	0					0.14
114.917	0.00	0.01	0.004	0					0.14
115.000	0.00	0.01	0.004	0					0.14
115.083	0.00	0.01	0.004	0					0.14
115.167	0.00	0.01	0.004	0					0.14
115.250	0.00	0.01	0.004	0					0.14
115.333	0.00	0.01	0.004	0					0.13
115.417	0.00	0.01	0.004	0					0.13
115.500	0.00	0.01	0.003	0					0.13
115.583	0.00	0.01	0.003	0					0.13
115.667	0.00	0.01	0.003	0					0.13
115.750	0.00	0.01	0.003	0					0.13
115.833	0.00	0.01	0.003	0					0.13
115.917	0.00	0.01	0.003	0					0.13
116.000	0.00	0.01	0.003	0					0.12
116.083	0.00	0.01	0.003	0					0.12
116.167	0.00	0.01	0.003	0					0.12
116.250	0.00	0.01	0.003	0					0.12
116.333	0.00	0.01	0.003	0					0.12
116.417	0.00	0.01	0.003	0					0.12
116.500	0.00	0.01	0.003	0					0.12
116.583	0.00	0.01	0.003	0					0.11
116.667	0.00	0.01	0.003	0					0.11
116.750	0.00	0.01	0.003	0					0.11
116.833	0.00	0.01	0.002	0					0.11
116.917	0.00	0.01	0.002	0					0.11
117.000	0.00	0.01	0.002	0					0.11
117.083	0.00	0.01	0.002	0					0.11
117.167	0.00	0.01	0.002	0					0.11
117.250	0.00	0.01	0.002	0					0.10
117.333	0.00	0.01	0.002	0					0.10
117.417	0.00	0.01	0.002	0					0.10
117.500	0.00	0.01	0.002	0					0.10
117.583	0.00	0.01	0.002	0					0.10
117.667	0.00	0.01	0.002	0					0.10
117.750	0.00	0.01	0.002	0					0.09
117.833	0.00	0.01	0.002	0					0.09
117.917	0.00	0.01	0.002	0					0.09
118.000	0.00	0.01	0.002	0					0.09
118.083	0.00	0.01	0.002	0					0.08
118.167	0.00	0.01	0.002	0					0.08
118.250	0.00	0.01	0.002	0					0.08
118.333	0.00	0.01	0.002	0					0.08
118.417	0.00	0.01	0.002	0					0.08
118.500	0.00	0.01	0.001	0					0.07

118.583	0.00	0.01	0.001	0					0.07
118.667	0.00	0.01	0.001	0					0.07
118.750	0.00	0.01	0.001	0					0.07
118.833	0.00	0.01	0.001	0					0.07
118.917	0.00	0.01	0.001	0					0.06
119.000	0.00	0.00	0.001	0					0.06
119.083	0.00	0.00	0.001	0					0.06
119.167	0.00	0.00	0.001	0					0.06
119.250	0.00	0.00	0.001	0					0.06
119.333	0.00	0.00	0.001	0					0.06
119.417	0.00	0.00	0.001	0					0.05
119.500	0.00	0.00	0.001	0					0.05
119.583	0.00	0.00	0.001	0					0.05
119.667	0.00	0.00	0.001	0					0.05
119.750	0.00	0.00	0.001	0					0.05
119.833	0.00	0.00	0.001	0					0.05
119.917	0.00	0.00	0.001	0					0.05
120.000	0.00	0.00	0.001	0					0.04
120.083	0.00	0.00	0.001	0					0.04
120.167	0.00	0.00	0.001	0					0.04
120.250	0.00	0.00	0.001	0					0.04
120.333	0.00	0.00	0.001	0					0.04
120.417	0.00	0.00	0.001	0					0.04
120.500	0.00	0.00	0.001	0					0.04
120.583	0.00	0.00	0.001	0					0.04
120.667	0.00	0.00	0.001	0					0.04
120.750	0.00	0.00	0.001	0					0.03
120.833	0.00	0.00	0.001	0					0.03
120.917	0.00	0.00	0.001	0					0.03
121.000	0.00	0.00	0.001	0					0.03
121.083	0.00	0.00	0.001	0					0.03
121.167	0.00	0.00	0.001	0					0.03
121.250	0.00	0.00	0.001	0					0.03
121.333	0.00	0.00	0.001	0					0.03
121.417	0.00	0.00	0.001	0					0.03
121.500	0.00	0.00	0.001	0					0.03
121.583	0.00	0.00	0.001	0					0.03
121.667	0.00	0.00	0.001	0					0.03
121.750	0.00	0.00	0.001	0					0.03
121.833	0.00	0.00	0.000	0					0.02
121.917	0.00	0.00	0.000	0					0.02
122.000	0.00	0.00	0.000	0					0.02
122.083	0.00	0.00	0.000	0					0.02
122.167	0.00	0.00	0.000	0					0.02
122.250	0.00	0.00	0.000	0					0.02
122.333	0.00	0.00	0.000	0					0.02
122.417	0.00	0.00	0.000	0					0.02
122.500	0.00	0.00	0.000	0					0.02
122.583	0.00	0.00	0.000	0					0.02
122.667	0.00	0.00	0.000	0					0.02

122.750	0.00	0.00	0.000	0					0.02
122.833	0.00	0.00	0.000	0					0.02
122.917	0.00	0.00	0.000	0					0.02
123.000	0.00	0.00	0.000	0					0.02
123.083	0.00	0.00	0.000	0					0.02
123.167	0.00	0.00	0.000	0					0.02
123.250	0.00	0.00	0.000	0					0.02
123.333	0.00	0.00	0.000	0					0.01
123.417	0.00	0.00	0.000	0					0.01
123.500	0.00	0.00	0.000	0					0.01
123.583	0.00	0.00	0.000	0					0.01
123.667	0.00	0.00	0.000	0					0.01
123.750	0.00	0.00	0.000	0					0.01
123.833	0.00	0.00	0.000	0					0.01
123.917	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1487

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.632 (CFS)

Total volume = 1.002 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
100 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da36100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 73
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.034 (CFS)
Total volume = 0.595 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 73
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.52	3.78	5.03	Depth (Ft.)
0.083	0.24	0.00	0.001	OI					0.04
0.167	0.41	0.01	0.003	O I					0.12
0.250	0.44	0.01	0.006	O I					0.19
0.333	0.44	0.01	0.009	O I					0.25
0.417	0.44	0.01	0.012	O I					0.31
0.500	0.49	0.02	0.015	O I					0.38
0.583	0.52	0.02	0.018	O I					0.45
0.667	0.52	0.02	0.022	O I					0.53
0.750	0.52	0.02	0.025	O I					0.61
0.833	0.52	0.03	0.028	O I					0.68
0.917	0.52	0.03	0.032	O I					0.75
1.000	0.58	0.03	0.035	O I					0.83
1.083	0.62	0.03	0.039	O I					0.92
1.167	0.62	0.04	0.043	O I					1.01
1.250	0.62	0.04	0.047	O I					1.06
1.333	0.62	0.04	0.051	O I					1.12
1.417	0.62	0.04	0.055	O I					1.18
1.500	0.62	0.04	0.059	O I					1.23
1.583	0.62	0.04	0.063	O I					1.29
1.667	0.62	0.04	0.067	O I					1.35
1.750	0.62	0.04	0.071	O I					1.40
1.833	0.62	0.04	0.075	O I					1.46

1.917	0.62	0.04	0.079	0	I							1.52
2.000	0.68	0.04	0.083	0	I							1.58
2.083	0.65	0.04	0.088	0	I							1.64
2.167	0.68	0.05	0.092	0	I							1.70
2.250	0.72	0.05	0.096	0	I							1.76
2.333	0.72	0.05	0.101	0	I							1.83
2.417	0.72	0.05	0.106	0	I							1.90
2.500	0.72	0.05	0.110	0	I							1.96
2.583	0.72	0.05	0.115	0	I							2.02
2.667	0.72	0.05	0.119	0	I							2.08
2.750	0.78	0.05	0.124	0	I							2.14
2.833	0.81	0.05	0.129	0	I							2.20
2.917	0.81	0.05	0.135	0	I							2.26
3.000	0.81	0.05	0.140	0	I							2.32
3.083	0.81	0.05	0.145	0	I							2.39
3.167	0.88	0.05	0.151	0	I							2.45
3.250	0.91	0.06	0.156	0	I							2.52
3.333	0.91	0.06	0.162	0	I							2.59
3.417	0.98	0.06	0.168	0	I							2.67
3.500	1.08	0.06	0.175	0	I							2.75
3.583	1.17	0.06	0.182	0	I							2.84
3.667	1.21	0.06	0.190	0	I							2.93
3.750	1.27	0.06	0.198	0	I							3.03
3.833	1.30	0.06	0.207	0	I							3.12
3.917	1.37	0.06	0.215	0	I							3.23
4.000	1.40	0.06	0.225	0	I							3.33
4.083	1.47	0.07	0.234	0	I							3.44
4.167	1.57	0.07	0.244	0	I							3.56
4.250	1.66	0.07	0.255	0	I							3.68
4.333	1.76	0.07	0.266	0	I							3.81
4.417	1.86	0.07	0.278	0	I							3.95
4.500	1.89	0.07	0.290	0	I							4.10
4.583	1.96	0.07	0.303	0	I							4.25
4.667	2.06	0.07	0.317	0	I							4.40
4.750	2.15	0.08	0.330	0	I							4.57
4.833	2.19	0.10	0.345	0	I							4.74
4.917	2.25	0.12	0.359	0	I							4.93
5.000	2.35	0.14	0.374	0	I							5.12
5.083	2.71	0.41	0.390	0	I							5.33
5.167	3.20	1.01	0.405	0	I							5.55
5.250	3.56	1.36	0.420	0	I							5.77
5.333	3.86	1.71	0.435	0	I							5.99
5.417	4.28	2.13	0.450	0	I							6.35
5.500	5.03	2.58	0.466	0	I							6.73
5.583	2.90	2.83	0.475	0	I							6.95
5.667	1.04	2.67	0.469	0	I							6.81
5.750	0.53	2.34	0.458	0	I							6.53
5.833	0.39	2.00	0.446	0	I							6.24
5.917	0.27	1.71	0.435	0	I							5.99
6.000	0.17	1.49	0.426	0	I							5.85

6.083	0.05	1.28	0.417	I	0				5.72
6.167	0.00	1.09	0.409	I	0				5.60
6.250	0.00	0.93	0.402	I	0				5.50
6.333	0.00	0.69	0.396	I	0				5.42
6.417	0.00	0.51	0.392	I	0				5.36
6.500	0.00	0.38	0.389	I	0				5.32
6.583	0.00	0.28	0.387	IO					5.29
6.667	0.00	0.21	0.385	IO					5.27
6.750	0.00	0.15	0.384	O					5.25
6.833	0.00	0.15	0.383	O					5.24
6.917	0.00	0.15	0.382	O					5.22
7.000	0.00	0.15	0.381	O					5.21
7.083	0.00	0.15	0.380	O					5.20
7.167	0.00	0.15	0.379	O					5.18
7.250	0.00	0.14	0.378	O					5.17
7.333	0.00	0.14	0.377	O					5.16
7.417	0.00	0.14	0.376	O					5.14
7.500	0.00	0.14	0.375	O					5.13
7.583	0.00	0.14	0.374	O					5.12
7.667	0.00	0.14	0.373	O					5.11
7.750	0.00	0.14	0.372	O					5.09
7.833	0.00	0.14	0.371	O					5.08
7.917	0.00	0.14	0.370	O					5.07
8.000	0.00	0.13	0.369	O					5.06
8.083	0.00	0.13	0.368	O					5.04
8.167	0.00	0.13	0.367	O					5.03
8.250	0.00	0.13	0.367	O					5.02
8.333	0.00	0.13	0.366	O					5.01
8.417	0.00	0.13	0.365	O					5.00
8.500	0.00	0.13	0.364	O					4.98
8.583	0.00	0.13	0.363	O					4.97
8.667	0.00	0.12	0.362	O					4.96
8.750	0.00	0.12	0.361	O					4.95
8.833	0.00	0.12	0.360	O					4.94
8.917	0.00	0.12	0.360	O					4.93
9.000	0.00	0.12	0.359	O					4.92
9.083	0.00	0.12	0.358	O					4.91
9.167	0.00	0.12	0.357	O					4.90
9.250	0.00	0.12	0.356	O					4.89
9.333	0.00	0.12	0.355	O					4.87
9.417	0.00	0.11	0.355	O					4.86
9.500	0.00	0.11	0.354	O					4.85
9.583	0.00	0.11	0.353	O					4.84
9.667	0.00	0.11	0.352	O					4.83
9.750	0.00	0.11	0.352	O					4.82
9.833	0.00	0.11	0.351	O					4.81
9.917	0.00	0.11	0.350	O					4.80
10.000	0.00	0.11	0.349	O					4.79
10.083	0.00	0.11	0.349	O					4.78
10.167	0.00	0.10	0.348	O					4.78

10.250	0.00	0.10	0.347	0					4.77
10.333	0.00	0.10	0.346	0					4.76
10.417	0.00	0.10	0.346	0					4.75
10.500	0.00	0.10	0.345	0					4.74
10.583	0.00	0.10	0.344	0					4.73
10.667	0.00	0.10	0.344	0					4.72
10.750	0.00	0.10	0.343	0					4.71
10.833	0.00	0.10	0.342	0					4.71
10.917	0.00	0.10	0.342	0					4.70
11.000	0.00	0.10	0.341	0					4.69
11.083	0.00	0.09	0.340	0					4.68
11.167	0.00	0.09	0.340	0					4.68
11.250	0.00	0.09	0.339	0					4.67
11.333	0.00	0.09	0.338	0					4.66
11.417	0.00	0.09	0.338	0					4.65
11.500	0.00	0.09	0.337	0					4.65
11.583	0.00	0.09	0.337	0					4.64
11.667	0.00	0.09	0.336	0					4.63
11.750	0.00	0.09	0.335	0					4.62
11.833	0.00	0.09	0.335	0					4.62
11.917	0.00	0.09	0.334	0					4.61
12.000	0.00	0.09	0.334	0					4.60
12.083	0.00	0.09	0.333	0					4.59
12.167	0.00	0.08	0.332	0					4.59
12.250	0.00	0.08	0.332	0					4.58
12.333	0.00	0.08	0.331	0					4.57
12.417	0.00	0.08	0.331	0					4.57
12.500	0.00	0.08	0.330	0					4.56
12.583	0.00	0.08	0.330	0					4.55
12.667	0.00	0.08	0.329	0					4.55
12.750	0.00	0.08	0.328	0					4.54
12.833	0.00	0.08	0.328	0					4.53
12.917	0.00	0.08	0.327	0					4.53
13.000	0.00	0.08	0.327	0					4.52
13.083	0.00	0.08	0.326	0					4.52
13.167	0.00	0.08	0.326	0					4.51
13.250	0.00	0.08	0.325	0					4.50
13.333	0.00	0.07	0.325	0					4.50
13.417	0.00	0.07	0.324	0					4.49
13.500	0.00	0.07	0.324	0					4.48
13.583	0.00	0.07	0.323	0					4.48
13.667	0.00	0.07	0.323	0					4.47
13.750	0.00	0.07	0.322	0					4.47
13.833	0.00	0.07	0.322	0					4.46
13.917	0.00	0.07	0.321	0					4.45
14.000	0.00	0.07	0.321	0					4.45
14.083	0.00	0.07	0.320	0					4.44
14.167	0.00	0.07	0.320	0					4.44
14.250	0.00	0.07	0.319	0					4.43
14.333	0.00	0.07	0.319	0					4.42

14.417	0.00	0.07	0.318	0					4.42
14.500	0.00	0.07	0.318	0					4.41
14.583	0.00	0.07	0.317	0					4.41
14.667	0.00	0.07	0.316	0					4.40
14.750	0.00	0.07	0.316	0					4.39
14.833	0.00	0.07	0.315	0					4.39
14.917	0.00	0.07	0.315	0					4.38
15.000	0.00	0.07	0.314	0					4.38
15.083	0.00	0.07	0.314	0					4.37
15.167	0.00	0.07	0.313	0					4.37
15.250	0.00	0.07	0.313	0					4.36
15.333	0.00	0.07	0.312	0					4.35
15.417	0.00	0.07	0.312	0					4.35
15.500	0.00	0.07	0.311	0					4.34
15.583	0.00	0.07	0.311	0					4.34
15.667	0.00	0.07	0.310	0					4.33
15.750	0.00	0.07	0.310	0					4.32
15.833	0.00	0.07	0.309	0					4.32
15.917	0.00	0.07	0.309	0					4.31
16.000	0.00	0.07	0.308	0					4.31
16.083	0.00	0.07	0.308	0					4.30
16.167	0.00	0.07	0.307	0					4.29
16.250	0.00	0.07	0.307	0					4.29
16.333	0.00	0.07	0.306	0					4.28
16.417	0.00	0.07	0.306	0					4.28
16.500	0.00	0.07	0.305	0					4.27
16.583	0.00	0.07	0.305	0					4.27
16.667	0.00	0.07	0.304	0					4.26
16.750	0.00	0.07	0.304	0					4.25
16.833	0.00	0.07	0.303	0					4.25
16.917	0.00	0.07	0.303	0					4.24
17.000	0.00	0.07	0.302	0					4.24
17.083	0.00	0.07	0.302	0					4.23
17.167	0.00	0.07	0.301	0					4.22
17.250	0.00	0.07	0.301	0					4.22
17.333	0.00	0.07	0.300	0					4.21
17.417	0.00	0.07	0.300	0					4.21
17.500	0.00	0.07	0.299	0					4.20
17.583	0.00	0.07	0.299	0					4.20
17.667	0.00	0.07	0.298	0					4.19
17.750	0.00	0.07	0.298	0					4.18
17.833	0.00	0.07	0.297	0					4.18
17.917	0.00	0.07	0.297	0					4.17
18.000	0.00	0.07	0.296	0					4.17
18.083	0.00	0.07	0.296	0					4.16
18.167	0.00	0.07	0.295	0					4.15
18.250	0.00	0.07	0.295	0					4.15
18.333	0.00	0.07	0.294	0					4.14
18.417	0.00	0.07	0.294	0					4.14
18.500	0.00	0.07	0.293	0					4.13

18.583	0.00	0.07	0.293	0					4.13
18.667	0.00	0.07	0.292	0					4.12
18.750	0.00	0.07	0.292	0					4.11
18.833	0.00	0.07	0.291	0					4.11
18.917	0.00	0.07	0.291	0					4.10
19.000	0.00	0.07	0.290	0					4.10
19.083	0.00	0.07	0.290	0					4.09
19.167	0.00	0.07	0.289	0					4.09
19.250	0.00	0.07	0.289	0					4.08
19.333	0.00	0.07	0.288	0					4.07
19.417	0.00	0.07	0.288	0					4.07
19.500	0.00	0.07	0.287	0					4.06
19.583	0.00	0.07	0.287	0					4.06
19.667	0.00	0.07	0.286	0					4.05
19.750	0.00	0.07	0.286	0					4.05
19.833	0.00	0.07	0.285	0					4.04
19.917	0.00	0.07	0.285	0					4.03
20.000	0.00	0.07	0.284	0					4.03
20.083	0.00	0.07	0.284	0					4.02
20.167	0.00	0.07	0.283	0					4.02
20.250	0.00	0.07	0.283	0					4.01
20.333	0.00	0.07	0.282	0					4.01
20.417	0.00	0.07	0.282	0					4.00
20.500	0.00	0.07	0.281	0					3.99
20.583	0.00	0.07	0.281	0					3.99
20.667	0.00	0.07	0.281	0					3.98
20.750	0.00	0.07	0.280	0					3.98
20.833	0.00	0.07	0.280	0					3.97
20.917	0.00	0.07	0.279	0					3.97
21.000	0.00	0.07	0.279	0					3.96
21.083	0.00	0.07	0.278	0					3.95
21.167	0.00	0.07	0.278	0					3.95
21.250	0.00	0.07	0.277	0					3.94
21.333	0.00	0.07	0.277	0					3.94
21.417	0.00	0.07	0.276	0					3.93
21.500	0.00	0.07	0.276	0					3.93
21.583	0.00	0.07	0.275	0					3.92
21.667	0.00	0.07	0.275	0					3.92
21.750	0.00	0.07	0.274	0					3.91
21.833	0.00	0.07	0.274	0					3.90
21.917	0.00	0.07	0.273	0					3.90
22.000	0.00	0.07	0.273	0					3.89
22.083	0.00	0.07	0.272	0					3.89
22.167	0.00	0.07	0.272	0					3.88
22.250	0.00	0.07	0.271	0					3.88
22.333	0.00	0.07	0.271	0					3.87
22.417	0.00	0.07	0.270	0					3.86
22.500	0.00	0.07	0.270	0					3.86
22.583	0.00	0.07	0.269	0					3.85
22.667	0.00	0.07	0.269	0					3.85

22.750	0.00	0.07	0.268	0					3.84
22.833	0.00	0.07	0.268	0					3.84
22.917	0.00	0.07	0.267	0					3.83
23.000	0.00	0.07	0.267	0					3.83
23.083	0.00	0.07	0.267	0					3.82
23.167	0.00	0.07	0.266	0					3.81
23.250	0.00	0.07	0.266	0					3.81
23.333	0.00	0.07	0.265	0					3.80
23.417	0.00	0.07	0.265	0					3.80
23.500	0.00	0.07	0.264	0					3.79
23.583	0.00	0.07	0.264	0					3.79
23.667	0.00	0.07	0.263	0					3.78
23.750	0.00	0.07	0.263	0					3.78
23.833	0.00	0.07	0.262	0					3.77
23.917	0.00	0.07	0.262	0					3.76
24.000	0.00	0.07	0.261	0					3.76
24.083	0.00	0.07	0.261	0					3.75
24.167	0.00	0.07	0.260	0					3.75
24.250	0.00	0.07	0.260	0					3.74
24.333	0.00	0.07	0.259	0					3.74
24.417	0.00	0.07	0.259	0					3.73
24.500	0.00	0.07	0.258	0					3.73
24.583	0.00	0.07	0.258	0					3.72
24.667	0.00	0.07	0.258	0					3.72
24.750	0.00	0.07	0.257	0					3.71
24.833	0.00	0.07	0.257	0					3.70
24.917	0.00	0.07	0.256	0					3.70
25.000	0.00	0.07	0.256	0					3.69
25.083	0.00	0.07	0.255	0					3.69
25.167	0.00	0.07	0.255	0					3.68
25.250	0.00	0.07	0.254	0					3.68
25.333	0.00	0.07	0.254	0					3.67
25.417	0.00	0.07	0.253	0					3.67
25.500	0.00	0.07	0.253	0					3.66
25.583	0.00	0.07	0.252	0					3.66
25.667	0.00	0.07	0.252	0					3.65
25.750	0.00	0.07	0.251	0					3.65
25.833	0.00	0.07	0.251	0					3.64
25.917	0.00	0.07	0.251	0					3.63
26.000	0.00	0.07	0.250	0					3.63
26.083	0.00	0.07	0.250	0					3.62
26.167	0.00	0.07	0.249	0					3.62
26.250	0.00	0.07	0.249	0					3.61
26.333	0.00	0.07	0.248	0					3.61
26.417	0.00	0.07	0.248	0					3.60
26.500	0.00	0.07	0.247	0					3.60
26.583	0.00	0.07	0.247	0					3.59
26.667	0.00	0.07	0.246	0					3.59
26.750	0.00	0.07	0.246	0					3.58
26.833	0.00	0.07	0.245	0					3.58

26.917	0.00	0.07	0.245	0					3.57
27.000	0.00	0.07	0.245	0					3.56
27.083	0.00	0.07	0.244	0					3.56
27.167	0.00	0.07	0.244	0					3.55
27.250	0.00	0.07	0.243	0					3.55
27.333	0.00	0.07	0.243	0					3.54
27.417	0.00	0.07	0.242	0					3.54
27.500	0.00	0.07	0.242	0					3.53
27.583	0.00	0.07	0.241	0					3.53
27.667	0.00	0.07	0.241	0					3.52
27.750	0.00	0.07	0.240	0					3.52
27.833	0.00	0.07	0.240	0					3.51
27.917	0.00	0.07	0.240	0					3.51
28.000	0.00	0.07	0.239	0					3.50
28.083	0.00	0.07	0.239	0					3.50
28.167	0.00	0.07	0.238	0					3.49
28.250	0.00	0.07	0.238	0					3.48
28.333	0.00	0.07	0.237	0					3.48
28.417	0.00	0.07	0.237	0					3.47
28.500	0.00	0.07	0.236	0					3.47
28.583	0.00	0.07	0.236	0					3.46
28.667	0.00	0.07	0.235	0					3.46
28.750	0.00	0.07	0.235	0					3.45
28.833	0.00	0.07	0.235	0					3.45
28.917	0.00	0.07	0.234	0					3.44
29.000	0.00	0.07	0.234	0					3.44
29.083	0.00	0.07	0.233	0					3.43
29.167	0.00	0.07	0.233	0					3.43
29.250	0.00	0.07	0.232	0					3.42
29.333	0.00	0.07	0.232	0					3.42
29.417	0.00	0.07	0.231	0					3.41
29.500	0.00	0.07	0.231	0					3.41
29.583	0.00	0.07	0.230	0					3.40
29.667	0.00	0.06	0.230	0					3.40
29.750	0.00	0.06	0.230	0					3.39
29.833	0.00	0.06	0.229	0					3.39
29.917	0.00	0.06	0.229	0					3.38
30.000	0.00	0.06	0.228	0					3.38
30.083	0.00	0.06	0.228	0					3.37
30.167	0.00	0.06	0.227	0					3.36
30.250	0.00	0.06	0.227	0					3.36
30.333	0.00	0.06	0.226	0					3.35
30.417	0.00	0.06	0.226	0					3.35
30.500	0.00	0.06	0.226	0					3.34
30.583	0.00	0.06	0.225	0					3.34
30.667	0.00	0.06	0.225	0					3.33
30.750	0.00	0.06	0.224	0					3.33
30.833	0.00	0.06	0.224	0					3.32
30.917	0.00	0.06	0.223	0					3.32
31.000	0.00	0.06	0.223	0					3.31

31.083	0.00	0.06	0.222	0					3.31
31.167	0.00	0.06	0.222	0					3.30
31.250	0.00	0.06	0.222	0					3.30
31.333	0.00	0.06	0.221	0					3.29
31.417	0.00	0.06	0.221	0					3.29
31.500	0.00	0.06	0.220	0					3.28
31.583	0.00	0.06	0.220	0					3.28
31.667	0.00	0.06	0.219	0					3.27
31.750	0.00	0.06	0.219	0					3.27
31.833	0.00	0.06	0.219	0					3.26
31.917	0.00	0.06	0.218	0					3.26
32.000	0.00	0.06	0.218	0					3.25
32.083	0.00	0.06	0.217	0					3.25
32.167	0.00	0.06	0.217	0					3.24
32.250	0.00	0.06	0.216	0					3.24
32.333	0.00	0.06	0.216	0					3.23
32.417	0.00	0.06	0.215	0					3.23
32.500	0.00	0.06	0.215	0					3.22
32.583	0.00	0.06	0.215	0					3.22
32.667	0.00	0.06	0.214	0					3.21
32.750	0.00	0.06	0.214	0					3.21
32.833	0.00	0.06	0.213	0					3.20
32.917	0.00	0.06	0.213	0					3.20
33.000	0.00	0.06	0.212	0					3.19
33.083	0.00	0.06	0.212	0					3.19
33.167	0.00	0.06	0.212	0					3.18
33.250	0.00	0.06	0.211	0					3.18
33.333	0.00	0.06	0.211	0					3.17
33.417	0.00	0.06	0.210	0					3.17
33.500	0.00	0.06	0.210	0					3.16
33.583	0.00	0.06	0.209	0					3.16
33.667	0.00	0.06	0.209	0					3.15
33.750	0.00	0.06	0.209	0					3.15
33.833	0.00	0.06	0.208	0					3.14
33.917	0.00	0.06	0.208	0					3.14
34.000	0.00	0.06	0.207	0					3.13
34.083	0.00	0.06	0.207	0					3.13
34.167	0.00	0.06	0.206	0					3.12
34.250	0.00	0.06	0.206	0					3.12
34.333	0.00	0.06	0.206	0					3.11
34.417	0.00	0.06	0.205	0					3.11
34.500	0.00	0.06	0.205	0					3.10
34.583	0.00	0.06	0.204	0					3.10
34.667	0.00	0.06	0.204	0					3.09
34.750	0.00	0.06	0.203	0					3.09
34.833	0.00	0.06	0.203	0					3.08
34.917	0.00	0.06	0.203	0					3.08
35.000	0.00	0.06	0.202	0					3.07
35.083	0.00	0.06	0.202	0					3.07
35.167	0.00	0.06	0.201	0					3.06

35.250	0.00	0.06	0.201	0					3.06
35.333	0.00	0.06	0.200	0					3.05
35.417	0.00	0.06	0.200	0					3.05
35.500	0.00	0.06	0.200	0					3.04
35.583	0.00	0.06	0.199	0					3.04
35.667	0.00	0.06	0.199	0					3.03
35.750	0.00	0.06	0.198	0					3.03
35.833	0.00	0.06	0.198	0					3.02
35.917	0.00	0.06	0.197	0					3.02
36.000	0.00	0.06	0.197	0					3.01
36.083	0.00	0.06	0.197	0					3.01
36.167	0.00	0.06	0.196	0					3.00
36.250	0.00	0.06	0.196	0					3.00
36.333	0.00	0.06	0.195	0					2.99
36.417	0.00	0.06	0.195	0					2.99
36.500	0.00	0.06	0.195	0					2.98
36.583	0.00	0.06	0.194	0					2.98
36.667	0.00	0.06	0.194	0					2.97
36.750	0.00	0.06	0.193	0					2.97
36.833	0.00	0.06	0.193	0					2.96
36.917	0.00	0.06	0.192	0					2.96
37.000	0.00	0.06	0.192	0					2.95
37.083	0.00	0.06	0.192	0					2.95
37.167	0.00	0.06	0.191	0					2.94
37.250	0.00	0.06	0.191	0					2.94
37.333	0.00	0.06	0.190	0					2.93
37.417	0.00	0.06	0.190	0					2.93
37.500	0.00	0.06	0.190	0					2.92
37.583	0.00	0.06	0.189	0					2.92
37.667	0.00	0.06	0.189	0					2.91
37.750	0.00	0.06	0.188	0					2.91
37.833	0.00	0.06	0.188	0					2.90
37.917	0.00	0.06	0.187	0					2.90
38.000	0.00	0.06	0.187	0					2.89
38.083	0.00	0.06	0.187	0					2.89
38.167	0.00	0.06	0.186	0					2.88
38.250	0.00	0.06	0.186	0					2.88
38.333	0.00	0.06	0.185	0					2.87
38.417	0.00	0.06	0.185	0					2.87
38.500	0.00	0.06	0.185	0					2.86
38.583	0.00	0.06	0.184	0					2.86
38.667	0.00	0.06	0.184	0					2.85
38.750	0.00	0.06	0.183	0					2.85
38.833	0.00	0.06	0.183	0					2.84
38.917	0.00	0.06	0.183	0					2.84
39.000	0.00	0.06	0.182	0					2.83
39.083	0.00	0.06	0.182	0					2.83
39.167	0.00	0.06	0.181	0					2.82
39.250	0.00	0.06	0.181	0					2.82
39.333	0.00	0.06	0.181	0					2.81

39.417	0.00	0.06	0.180	0					2.81
39.500	0.00	0.06	0.180	0					2.80
39.583	0.00	0.06	0.179	0					2.80
39.667	0.00	0.06	0.179	0					2.79
39.750	0.00	0.06	0.178	0					2.79
39.833	0.00	0.06	0.178	0					2.78
39.917	0.00	0.06	0.178	0					2.78
40.000	0.00	0.06	0.177	0					2.77
40.083	0.00	0.06	0.177	0					2.77
40.167	0.00	0.06	0.176	0					2.76
40.250	0.00	0.06	0.176	0					2.76
40.333	0.00	0.06	0.176	0					2.76
40.417	0.00	0.06	0.175	0					2.75
40.500	0.00	0.06	0.175	0					2.75
40.583	0.00	0.06	0.174	0					2.74
40.667	0.00	0.06	0.174	0					2.74
40.750	0.00	0.06	0.174	0					2.73
40.833	0.00	0.06	0.173	0					2.73
40.917	0.00	0.06	0.173	0					2.72
41.000	0.00	0.06	0.172	0					2.72
41.083	0.00	0.06	0.172	0					2.71
41.167	0.00	0.06	0.172	0					2.71
41.250	0.00	0.06	0.171	0					2.70
41.333	0.00	0.06	0.171	0					2.70
41.417	0.00	0.06	0.170	0					2.69
41.500	0.00	0.06	0.170	0					2.69
41.583	0.00	0.06	0.170	0					2.68
41.667	0.00	0.06	0.169	0					2.68
41.750	0.00	0.06	0.169	0					2.67
41.833	0.00	0.06	0.169	0					2.67
41.917	0.00	0.06	0.168	0					2.66
42.000	0.00	0.06	0.168	0					2.66
42.083	0.00	0.06	0.167	0					2.65
42.167	0.00	0.06	0.167	0					2.65
42.250	0.00	0.06	0.167	0					2.65
42.333	0.00	0.06	0.166	0					2.64
42.417	0.00	0.06	0.166	0					2.64
42.500	0.00	0.06	0.165	0					2.63
42.583	0.00	0.06	0.165	0					2.63
42.667	0.00	0.06	0.165	0					2.62
42.750	0.00	0.06	0.164	0					2.62
42.833	0.00	0.06	0.164	0					2.61
42.917	0.00	0.06	0.163	0					2.61
43.000	0.00	0.06	0.163	0					2.60
43.083	0.00	0.06	0.163	0					2.60
43.167	0.00	0.06	0.162	0					2.59
43.250	0.00	0.06	0.162	0					2.59
43.333	0.00	0.06	0.161	0					2.58
43.417	0.00	0.06	0.161	0					2.58
43.500	0.00	0.06	0.161	0					2.57

43.583	0.00	0.06	0.160	0					2.57
43.667	0.00	0.06	0.160	0					2.57
43.750	0.00	0.06	0.160	0					2.56
43.833	0.00	0.06	0.159	0					2.56
43.917	0.00	0.06	0.159	0					2.55
44.000	0.00	0.06	0.158	0					2.55
44.083	0.00	0.06	0.158	0					2.54
44.167	0.00	0.06	0.158	0					2.54
44.250	0.00	0.06	0.157	0					2.53
44.333	0.00	0.06	0.157	0					2.53
44.417	0.00	0.06	0.156	0					2.52
44.500	0.00	0.06	0.156	0					2.52
44.583	0.00	0.06	0.156	0					2.51
44.667	0.00	0.06	0.155	0					2.51
44.750	0.00	0.06	0.155	0					2.50
44.833	0.00	0.06	0.155	0					2.50
44.917	0.00	0.06	0.154	0					2.50
45.000	0.00	0.06	0.154	0					2.49
45.083	0.00	0.06	0.153	0					2.49
45.167	0.00	0.06	0.153	0					2.48
45.250	0.00	0.06	0.153	0					2.48
45.333	0.00	0.06	0.152	0					2.47
45.417	0.00	0.06	0.152	0					2.47
45.500	0.00	0.06	0.151	0					2.46
45.583	0.00	0.06	0.151	0					2.46
45.667	0.00	0.05	0.151	0					2.45
45.750	0.00	0.05	0.150	0					2.45
45.833	0.00	0.05	0.150	0					2.45
45.917	0.00	0.05	0.150	0					2.44
46.000	0.00	0.05	0.149	0					2.44
46.083	0.00	0.05	0.149	0					2.43
46.167	0.00	0.05	0.148	0					2.43
46.250	0.00	0.05	0.148	0					2.42
46.333	0.00	0.05	0.148	0					2.42
46.417	0.00	0.05	0.147	0					2.41
46.500	0.00	0.05	0.147	0					2.41
46.583	0.00	0.05	0.147	0					2.40
46.667	0.00	0.05	0.146	0					2.40
46.750	0.00	0.05	0.146	0					2.40
46.833	0.00	0.05	0.145	0					2.39
46.917	0.00	0.05	0.145	0					2.39
47.000	0.00	0.05	0.145	0					2.38
47.083	0.00	0.05	0.144	0					2.38
47.167	0.00	0.05	0.144	0					2.37
47.250	0.00	0.05	0.144	0					2.37
47.333	0.00	0.05	0.143	0					2.36
47.417	0.00	0.05	0.143	0					2.36
47.500	0.00	0.05	0.142	0					2.36
47.583	0.00	0.05	0.142	0					2.35
47.667	0.00	0.05	0.142	0					2.35

47.750	0.00	0.05	0.141	0					2.34
47.833	0.00	0.05	0.141	0					2.34
47.917	0.00	0.05	0.141	0					2.33
48.000	0.00	0.05	0.140	0					2.33
48.083	0.00	0.05	0.140	0					2.32
48.167	0.00	0.05	0.140	0					2.32
48.250	0.00	0.05	0.139	0					2.31
48.333	0.00	0.05	0.139	0					2.31
48.417	0.00	0.05	0.138	0					2.31
48.500	0.00	0.05	0.138	0					2.30
48.583	0.00	0.05	0.138	0					2.30
48.667	0.00	0.05	0.137	0					2.29
48.750	0.00	0.05	0.137	0					2.29
48.833	0.00	0.05	0.137	0					2.28
48.917	0.00	0.05	0.136	0					2.28
49.000	0.00	0.05	0.136	0					2.28
49.083	0.00	0.05	0.135	0					2.27
49.167	0.00	0.05	0.135	0					2.27
49.250	0.00	0.05	0.135	0					2.26
49.333	0.00	0.05	0.134	0					2.26
49.417	0.00	0.05	0.134	0					2.25
49.500	0.00	0.05	0.134	0					2.25
49.583	0.00	0.05	0.133	0					2.24
49.667	0.00	0.05	0.133	0					2.24
49.750	0.00	0.05	0.133	0					2.24
49.833	0.00	0.05	0.132	0					2.23
49.917	0.00	0.05	0.132	0					2.23
50.000	0.00	0.05	0.131	0					2.22
50.083	0.00	0.05	0.131	0					2.22
50.167	0.00	0.05	0.131	0					2.21
50.250	0.00	0.05	0.130	0					2.21
50.333	0.00	0.05	0.130	0					2.21
50.417	0.00	0.05	0.130	0					2.20
50.500	0.00	0.05	0.129	0					2.20
50.583	0.00	0.05	0.129	0					2.19
50.667	0.00	0.05	0.129	0					2.19
50.750	0.00	0.05	0.128	0					2.18
50.833	0.00	0.05	0.128	0					2.18
50.917	0.00	0.05	0.128	0					2.18
51.000	0.00	0.05	0.127	0					2.17
51.083	0.00	0.05	0.127	0					2.17
51.167	0.00	0.05	0.126	0					2.16
51.250	0.00	0.05	0.126	0					2.16
51.333	0.00	0.05	0.126	0					2.15
51.417	0.00	0.05	0.125	0					2.15
51.500	0.00	0.05	0.125	0					2.14
51.583	0.00	0.05	0.125	0					2.14
51.667	0.00	0.05	0.124	0					2.14
51.750	0.00	0.05	0.124	0					2.13
51.833	0.00	0.05	0.124	0					2.13

51.917	0.00	0.05	0.123	0					2.12
52.000	0.00	0.05	0.123	0					2.12
52.083	0.00	0.05	0.123	0					2.12
52.167	0.00	0.05	0.122	0					2.11
52.250	0.00	0.05	0.122	0					2.11
52.333	0.00	0.05	0.121	0					2.10
52.417	0.00	0.05	0.121	0					2.10
52.500	0.00	0.05	0.121	0					2.09
52.583	0.00	0.05	0.120	0					2.09
52.667	0.00	0.05	0.120	0					2.09
52.750	0.00	0.05	0.120	0					2.08
52.833	0.00	0.05	0.119	0					2.08
52.917	0.00	0.05	0.119	0					2.07
53.000	0.00	0.05	0.119	0					2.07
53.083	0.00	0.05	0.118	0					2.06
53.167	0.00	0.05	0.118	0					2.06
53.250	0.00	0.05	0.118	0					2.06
53.333	0.00	0.05	0.117	0					2.05
53.417	0.00	0.05	0.117	0					2.05
53.500	0.00	0.05	0.117	0					2.04
53.583	0.00	0.05	0.116	0					2.04
53.667	0.00	0.05	0.116	0					2.03
53.750	0.00	0.05	0.116	0					2.03
53.833	0.00	0.05	0.115	0					2.03
53.917	0.00	0.05	0.115	0					2.02
54.000	0.00	0.05	0.115	0					2.02
54.083	0.00	0.05	0.114	0					2.01
54.167	0.00	0.05	0.114	0					2.01
54.250	0.00	0.05	0.113	0					2.01
54.333	0.00	0.05	0.113	0					2.00
54.417	0.00	0.05	0.113	0					2.00
54.500	0.00	0.05	0.112	0					1.99
54.583	0.00	0.05	0.112	0					1.99
54.667	0.00	0.05	0.112	0					1.98
54.750	0.00	0.05	0.111	0					1.98
54.833	0.00	0.05	0.111	0					1.97
54.917	0.00	0.05	0.111	0					1.97
55.000	0.00	0.05	0.110	0					1.96
55.083	0.00	0.05	0.110	0					1.96
55.167	0.00	0.05	0.110	0					1.95
55.250	0.00	0.05	0.109	0					1.95
55.333	0.00	0.05	0.109	0					1.94
55.417	0.00	0.05	0.109	0					1.94
55.500	0.00	0.05	0.108	0					1.93
55.583	0.00	0.05	0.108	0					1.93
55.667	0.00	0.05	0.108	0					1.92
55.750	0.00	0.05	0.107	0					1.92
55.833	0.00	0.05	0.107	0					1.91
55.917	0.00	0.05	0.107	0					1.91
56.000	0.00	0.05	0.106	0					1.90

56.083	0.00	0.05	0.106	0					1.90
56.167	0.00	0.05	0.106	0					1.90
56.250	0.00	0.05	0.105	0					1.89
56.333	0.00	0.05	0.105	0					1.89
56.417	0.00	0.05	0.105	0					1.88
56.500	0.00	0.05	0.104	0					1.88
56.583	0.00	0.05	0.104	0					1.87
56.667	0.00	0.05	0.104	0					1.87
56.750	0.00	0.05	0.103	0					1.86
56.833	0.00	0.05	0.103	0					1.86
56.917	0.00	0.05	0.103	0					1.85
57.000	0.00	0.05	0.102	0					1.85
57.083	0.00	0.05	0.102	0					1.84
57.167	0.00	0.05	0.102	0					1.84
57.250	0.00	0.05	0.101	0					1.83
57.333	0.00	0.05	0.101	0					1.83
57.417	0.00	0.05	0.101	0					1.82
57.500	0.00	0.05	0.100	0					1.82
57.583	0.00	0.05	0.100	0					1.82
57.667	0.00	0.05	0.100	0					1.81
57.750	0.00	0.05	0.099	0					1.81
57.833	0.00	0.05	0.099	0					1.80
57.917	0.00	0.05	0.099	0					1.80
58.000	0.00	0.05	0.098	0					1.79
58.083	0.00	0.05	0.098	0					1.79
58.167	0.00	0.05	0.098	0					1.78
58.250	0.00	0.05	0.097	0					1.78
58.333	0.00	0.05	0.097	0					1.77
58.417	0.00	0.05	0.097	0					1.77
58.500	0.00	0.05	0.097	0					1.76
58.583	0.00	0.05	0.096	0					1.76
58.667	0.00	0.05	0.096	0					1.76
58.750	0.00	0.05	0.096	0					1.75
58.833	0.00	0.05	0.095	0					1.75
58.917	0.00	0.05	0.095	0					1.74
59.000	0.00	0.05	0.095	0					1.74
59.083	0.00	0.05	0.094	0					1.73
59.167	0.00	0.05	0.094	0					1.73
59.250	0.00	0.05	0.094	0					1.72
59.333	0.00	0.05	0.093	0					1.72
59.417	0.00	0.05	0.093	0					1.71
59.500	0.00	0.05	0.093	0					1.71
59.583	0.00	0.05	0.092	0					1.71
59.667	0.00	0.05	0.092	0					1.70
59.750	0.00	0.05	0.092	0					1.70
59.833	0.00	0.05	0.091	0					1.69
59.917	0.00	0.05	0.091	0					1.69
60.000	0.00	0.05	0.091	0					1.68
60.083	0.00	0.05	0.091	0					1.68
60.167	0.00	0.05	0.090	0					1.67

60.250	0.00	0.05	0.090	0					1.67
60.333	0.00	0.04	0.090	0					1.67
60.417	0.00	0.04	0.089	0					1.66
60.500	0.00	0.04	0.089	0					1.66
60.583	0.00	0.04	0.089	0					1.65
60.667	0.00	0.04	0.088	0					1.65
60.750	0.00	0.04	0.088	0					1.64
60.833	0.00	0.04	0.088	0					1.64
60.917	0.00	0.04	0.087	0					1.63
61.000	0.00	0.04	0.087	0					1.63
61.083	0.00	0.04	0.087	0					1.63
61.167	0.00	0.04	0.087	0					1.62
61.250	0.00	0.04	0.086	0					1.62
61.333	0.00	0.04	0.086	0					1.61
61.417	0.00	0.04	0.086	0					1.61
61.500	0.00	0.04	0.085	0					1.60
61.583	0.00	0.04	0.085	0					1.60
61.667	0.00	0.04	0.085	0					1.60
61.750	0.00	0.04	0.084	0					1.59
61.833	0.00	0.04	0.084	0					1.59
61.917	0.00	0.04	0.084	0					1.58
62.000	0.00	0.04	0.083	0					1.58
62.083	0.00	0.04	0.083	0					1.57
62.167	0.00	0.04	0.083	0					1.57
62.250	0.00	0.04	0.083	0					1.57
62.333	0.00	0.04	0.082	0					1.56
62.417	0.00	0.04	0.082	0					1.56
62.500	0.00	0.04	0.082	0					1.55
62.583	0.00	0.04	0.081	0					1.55
62.667	0.00	0.04	0.081	0					1.54
62.750	0.00	0.04	0.081	0					1.54
62.833	0.00	0.04	0.081	0					1.54
62.917	0.00	0.04	0.080	0					1.53
63.000	0.00	0.04	0.080	0					1.53
63.083	0.00	0.04	0.080	0					1.52
63.167	0.00	0.04	0.079	0					1.52
63.250	0.00	0.04	0.079	0					1.51
63.333	0.00	0.04	0.079	0					1.51
63.417	0.00	0.04	0.078	0					1.51
63.500	0.00	0.04	0.078	0					1.50
63.583	0.00	0.04	0.078	0					1.50
63.667	0.00	0.04	0.078	0					1.49
63.750	0.00	0.04	0.077	0					1.49
63.833	0.00	0.04	0.077	0					1.49
63.917	0.00	0.04	0.077	0					1.48
64.000	0.00	0.04	0.076	0					1.48
64.083	0.00	0.04	0.076	0					1.47
64.167	0.00	0.04	0.076	0					1.47
64.250	0.00	0.04	0.076	0					1.46
64.333	0.00	0.04	0.075	0					1.46

64.417	0.00	0.04	0.075	0					1.46
64.500	0.00	0.04	0.075	0					1.45
64.583	0.00	0.04	0.074	0					1.45
64.667	0.00	0.04	0.074	0					1.44
64.750	0.00	0.04	0.074	0					1.44
64.833	0.00	0.04	0.074	0					1.44
64.917	0.00	0.04	0.073	0					1.43
65.000	0.00	0.04	0.073	0					1.43
65.083	0.00	0.04	0.073	0					1.42
65.167	0.00	0.04	0.072	0					1.42
65.250	0.00	0.04	0.072	0					1.42
65.333	0.00	0.04	0.072	0					1.41
65.417	0.00	0.04	0.072	0					1.41
65.500	0.00	0.04	0.071	0					1.40
65.583	0.00	0.04	0.071	0					1.40
65.667	0.00	0.04	0.071	0					1.40
65.750	0.00	0.04	0.070	0					1.39
65.833	0.00	0.04	0.070	0					1.39
65.917	0.00	0.04	0.070	0					1.38
66.000	0.00	0.04	0.070	0					1.38
66.083	0.00	0.04	0.069	0					1.38
66.167	0.00	0.04	0.069	0					1.37
66.250	0.00	0.04	0.069	0					1.37
66.333	0.00	0.04	0.068	0					1.36
66.417	0.00	0.04	0.068	0					1.36
66.500	0.00	0.04	0.068	0					1.36
66.583	0.00	0.04	0.068	0					1.35
66.667	0.00	0.04	0.067	0					1.35
66.750	0.00	0.04	0.067	0					1.34
66.833	0.00	0.04	0.067	0					1.34
66.917	0.00	0.04	0.066	0					1.34
67.000	0.00	0.04	0.066	0					1.33
67.083	0.00	0.04	0.066	0					1.33
67.167	0.00	0.04	0.066	0					1.32
67.250	0.00	0.04	0.065	0					1.32
67.333	0.00	0.04	0.065	0					1.32
67.417	0.00	0.04	0.065	0					1.31
67.500	0.00	0.04	0.065	0					1.31
67.583	0.00	0.04	0.064	0					1.30
67.667	0.00	0.04	0.064	0					1.30
67.750	0.00	0.04	0.064	0					1.30
67.833	0.00	0.04	0.063	0					1.29
67.917	0.00	0.04	0.063	0					1.29
68.000	0.00	0.04	0.063	0					1.28
68.083	0.00	0.04	0.063	0					1.28
68.167	0.00	0.04	0.062	0					1.28
68.250	0.00	0.04	0.062	0					1.27
68.333	0.00	0.04	0.062	0					1.27
68.417	0.00	0.04	0.062	0					1.27
68.500	0.00	0.04	0.061	0					1.26

68.583	0.00	0.04	0.061	0					1.26
68.667	0.00	0.04	0.061	0					1.25
68.750	0.00	0.04	0.061	0					1.25
68.833	0.00	0.04	0.060	0					1.25
68.917	0.00	0.04	0.060	0					1.24
69.000	0.00	0.04	0.060	0					1.24
69.083	0.00	0.04	0.059	0					1.24
69.167	0.00	0.04	0.059	0					1.23
69.250	0.00	0.04	0.059	0					1.23
69.333	0.00	0.04	0.059	0					1.22
69.417	0.00	0.04	0.058	0					1.22
69.500	0.00	0.04	0.058	0					1.22
69.583	0.00	0.04	0.058	0					1.21
69.667	0.00	0.04	0.058	0					1.21
69.750	0.00	0.04	0.057	0					1.21
69.833	0.00	0.04	0.057	0					1.20
69.917	0.00	0.04	0.057	0					1.20
70.000	0.00	0.04	0.057	0					1.19
70.083	0.00	0.04	0.056	0					1.19
70.167	0.00	0.04	0.056	0					1.19
70.250	0.00	0.04	0.056	0					1.18
70.333	0.00	0.04	0.056	0					1.18
70.417	0.00	0.04	0.055	0					1.18
70.500	0.00	0.04	0.055	0					1.17
70.583	0.00	0.04	0.055	0					1.17
70.667	0.00	0.04	0.054	0					1.16
70.750	0.00	0.04	0.054	0					1.16
70.833	0.00	0.04	0.054	0					1.16
70.917	0.00	0.04	0.054	0					1.15
71.000	0.00	0.04	0.053	0					1.15
71.083	0.00	0.04	0.053	0					1.15
71.167	0.00	0.04	0.053	0					1.14
71.250	0.00	0.04	0.053	0					1.14
71.333	0.00	0.04	0.052	0					1.13
71.417	0.00	0.04	0.052	0					1.13
71.500	0.00	0.04	0.052	0					1.13
71.583	0.00	0.04	0.052	0					1.12
71.667	0.00	0.04	0.051	0					1.12
71.750	0.00	0.04	0.051	0					1.12
71.833	0.00	0.04	0.051	0					1.11
71.917	0.00	0.04	0.051	0					1.11
72.000	0.00	0.04	0.050	0					1.11
72.083	0.00	0.04	0.050	0					1.10
72.167	0.00	0.04	0.050	0					1.10
72.250	0.00	0.04	0.050	0					1.10
72.333	0.00	0.04	0.049	0					1.09
72.417	0.00	0.04	0.049	0					1.09
72.500	0.00	0.04	0.049	0					1.08
72.583	0.00	0.04	0.049	0					1.08
72.667	0.00	0.04	0.048	0					1.08

72.750	0.00	0.04	0.048	0					1.07
72.833	0.00	0.04	0.048	0					1.07
72.917	0.00	0.04	0.048	0					1.07
73.000	0.00	0.04	0.047	0					1.06
73.083	0.00	0.04	0.047	0					1.06
73.167	0.00	0.04	0.047	0					1.06
73.250	0.00	0.04	0.047	0					1.05
73.333	0.00	0.04	0.046	0					1.05
73.417	0.00	0.04	0.046	0					1.05
73.500	0.00	0.04	0.046	0					1.04
73.583	0.00	0.04	0.046	0					1.04
73.667	0.00	0.04	0.045	0					1.03
73.750	0.00	0.04	0.045	0					1.03
73.833	0.00	0.04	0.045	0					1.03
73.917	0.00	0.04	0.045	0					1.02
74.000	0.00	0.04	0.044	0					1.02
74.083	0.00	0.04	0.044	0					1.02
74.167	0.00	0.04	0.044	0					1.01
74.250	0.00	0.04	0.044	0					1.01
74.333	0.00	0.04	0.044	0					1.01
74.417	0.00	0.04	0.043	0					1.00
74.500	0.00	0.04	0.043	0					1.00
74.583	0.00	0.03	0.043	0					1.00
74.667	0.00	0.03	0.043	0					0.99
74.750	0.00	0.03	0.042	0					0.98
74.833	0.00	0.03	0.042	0					0.98
74.917	0.00	0.03	0.042	0					0.97
75.000	0.00	0.03	0.042	0					0.97
75.083	0.00	0.03	0.041	0					0.96
75.167	0.00	0.03	0.041	0					0.96
75.250	0.00	0.03	0.041	0					0.95
75.333	0.00	0.03	0.041	0					0.95
75.417	0.00	0.03	0.040	0					0.94
75.500	0.00	0.03	0.040	0					0.94
75.583	0.00	0.03	0.040	0					0.93
75.667	0.00	0.03	0.040	0					0.93
75.750	0.00	0.03	0.040	0					0.92
75.833	0.00	0.03	0.039	0					0.92
75.917	0.00	0.03	0.039	0					0.91
76.000	0.00	0.03	0.039	0					0.91
76.083	0.00	0.03	0.039	0					0.90
76.167	0.00	0.03	0.038	0					0.90
76.250	0.00	0.03	0.038	0					0.89
76.333	0.00	0.03	0.038	0					0.89
76.417	0.00	0.03	0.038	0					0.88
76.500	0.00	0.03	0.038	0					0.88
76.583	0.00	0.03	0.037	0					0.88
76.667	0.00	0.03	0.037	0					0.87
76.750	0.00	0.03	0.037	0					0.87
76.833	0.00	0.03	0.037	0					0.86

76.917	0.00	0.03	0.036	0					0.86
77.000	0.00	0.03	0.036	0					0.85
77.083	0.00	0.03	0.036	0					0.85
77.167	0.00	0.03	0.036	0					0.84
77.250	0.00	0.03	0.036	0					0.84
77.333	0.00	0.03	0.035	0					0.83
77.417	0.00	0.03	0.035	0					0.83
77.500	0.00	0.03	0.035	0					0.82
77.583	0.00	0.03	0.035	0					0.82
77.667	0.00	0.03	0.035	0					0.82
77.750	0.00	0.03	0.034	0					0.81
77.833	0.00	0.03	0.034	0					0.81
77.917	0.00	0.03	0.034	0					0.80
78.000	0.00	0.03	0.034	0					0.80
78.083	0.00	0.03	0.034	0					0.79
78.167	0.00	0.03	0.033	0					0.79
78.250	0.00	0.03	0.033	0					0.78
78.333	0.00	0.03	0.033	0					0.78
78.417	0.00	0.03	0.033	0					0.78
78.500	0.00	0.03	0.033	0					0.77
78.583	0.00	0.03	0.032	0					0.77
78.667	0.00	0.03	0.032	0					0.76
78.750	0.00	0.03	0.032	0					0.76
78.833	0.00	0.03	0.032	0					0.76
78.917	0.00	0.03	0.032	0					0.75
79.000	0.00	0.03	0.031	0					0.75
79.083	0.00	0.03	0.031	0					0.74
79.167	0.00	0.03	0.031	0					0.74
79.250	0.00	0.03	0.031	0					0.73
79.333	0.00	0.03	0.031	0					0.73
79.417	0.00	0.03	0.031	0					0.73
79.500	0.00	0.03	0.030	0					0.72
79.583	0.00	0.03	0.030	0					0.72
79.667	0.00	0.03	0.030	0					0.71
79.750	0.00	0.03	0.030	0					0.71
79.833	0.00	0.03	0.030	0					0.71
79.917	0.00	0.03	0.029	0					0.70
80.000	0.00	0.03	0.029	0					0.70
80.083	0.00	0.03	0.029	0					0.69
80.167	0.00	0.03	0.029	0					0.69
80.250	0.00	0.03	0.029	0					0.69
80.333	0.00	0.03	0.029	0					0.68
80.417	0.00	0.03	0.028	0					0.68
80.500	0.00	0.03	0.028	0					0.68
80.583	0.00	0.03	0.028	0					0.67
80.667	0.00	0.03	0.028	0					0.67
80.750	0.00	0.02	0.028	0					0.66
80.833	0.00	0.02	0.028	0					0.66
80.917	0.00	0.02	0.027	0					0.66
81.000	0.00	0.02	0.027	0					0.65

81.083	0.00	0.02	0.027	0					0.65
81.167	0.00	0.02	0.027	0					0.65
81.250	0.00	0.02	0.027	0					0.64
81.333	0.00	0.02	0.027	0					0.64
81.417	0.00	0.02	0.026	0					0.63
81.500	0.00	0.02	0.026	0					0.63
81.583	0.00	0.02	0.026	0					0.63
81.667	0.00	0.02	0.026	0					0.62
81.750	0.00	0.02	0.026	0					0.62
81.833	0.00	0.02	0.026	0					0.62
81.917	0.00	0.02	0.025	0					0.61
82.000	0.00	0.02	0.025	0					0.61
82.083	0.00	0.02	0.025	0					0.61
82.167	0.00	0.02	0.025	0					0.60
82.250	0.00	0.02	0.025	0					0.60
82.333	0.00	0.02	0.025	0					0.60
82.417	0.00	0.02	0.024	0					0.59
82.500	0.00	0.02	0.024	0					0.59
82.583	0.00	0.02	0.024	0					0.59
82.667	0.00	0.02	0.024	0					0.58
82.750	0.00	0.02	0.024	0					0.58
82.833	0.00	0.02	0.024	0					0.57
82.917	0.00	0.02	0.023	0					0.57
83.000	0.00	0.02	0.023	0					0.57
83.083	0.00	0.02	0.023	0					0.56
83.167	0.00	0.02	0.023	0					0.56
83.250	0.00	0.02	0.023	0					0.56
83.333	0.00	0.02	0.023	0					0.55
83.417	0.00	0.02	0.023	0					0.55
83.500	0.00	0.02	0.022	0					0.55
83.583	0.00	0.02	0.022	0					0.55
83.667	0.00	0.02	0.022	0					0.54
83.750	0.00	0.02	0.022	0					0.54
83.833	0.00	0.02	0.022	0					0.54
83.917	0.00	0.02	0.022	0					0.53
84.000	0.00	0.02	0.022	0					0.53
84.083	0.00	0.02	0.021	0					0.53
84.167	0.00	0.02	0.021	0					0.52
84.250	0.00	0.02	0.021	0					0.52
84.333	0.00	0.02	0.021	0					0.52
84.417	0.00	0.02	0.021	0					0.51
84.500	0.00	0.02	0.021	0					0.51
84.583	0.00	0.02	0.021	0					0.51
84.667	0.00	0.02	0.020	0					0.50
84.750	0.00	0.02	0.020	0					0.50
84.833	0.00	0.02	0.020	0					0.50
84.917	0.00	0.02	0.020	0					0.50
85.000	0.00	0.02	0.020	0					0.49
85.083	0.00	0.02	0.020	0					0.49
85.167	0.00	0.02	0.020	0					0.49

85.250	0.00	0.02	0.019	0					0.48
85.333	0.00	0.02	0.019	0					0.48
85.417	0.00	0.02	0.019	0					0.48
85.500	0.00	0.02	0.019	0					0.47
85.583	0.00	0.02	0.019	0					0.47
85.667	0.00	0.02	0.019	0					0.47
85.750	0.00	0.02	0.019	0					0.47
85.833	0.00	0.02	0.019	0					0.46
85.917	0.00	0.02	0.018	0					0.46
86.000	0.00	0.02	0.018	0					0.46
86.083	0.00	0.02	0.018	0					0.45
86.167	0.00	0.02	0.018	0					0.45
86.250	0.00	0.02	0.018	0					0.45
86.333	0.00	0.02	0.018	0					0.45
86.417	0.00	0.02	0.018	0					0.44
86.500	0.00	0.02	0.018	0					0.44
86.583	0.00	0.02	0.017	0					0.44
86.667	0.00	0.02	0.017	0					0.44
86.750	0.00	0.02	0.017	0					0.43
86.833	0.00	0.02	0.017	0					0.43
86.917	0.00	0.02	0.017	0					0.43
87.000	0.00	0.02	0.017	0					0.42
87.083	0.00	0.02	0.017	0					0.42
87.167	0.00	0.02	0.017	0					0.42
87.250	0.00	0.02	0.016	0					0.42
87.333	0.00	0.02	0.016	0					0.41
87.417	0.00	0.02	0.016	0					0.41
87.500	0.00	0.02	0.016	0					0.41
87.583	0.00	0.02	0.016	0					0.41
87.667	0.00	0.02	0.016	0					0.40
87.750	0.00	0.02	0.016	0					0.40
87.833	0.00	0.02	0.016	0					0.40
87.917	0.00	0.02	0.015	0					0.40
88.000	0.00	0.02	0.015	0					0.39
88.083	0.00	0.02	0.015	0					0.39
88.167	0.00	0.02	0.015	0					0.39
88.250	0.00	0.02	0.015	0					0.39
88.333	0.00	0.02	0.015	0					0.38
88.417	0.00	0.02	0.015	0					0.38
88.500	0.00	0.02	0.015	0					0.38
88.583	0.00	0.02	0.015	0					0.38
88.667	0.00	0.02	0.014	0					0.37
88.750	0.00	0.02	0.014	0					0.37
88.833	0.00	0.02	0.014	0					0.37
88.917	0.00	0.02	0.014	0					0.37
89.000	0.00	0.02	0.014	0					0.36
89.083	0.00	0.02	0.014	0					0.36
89.167	0.00	0.02	0.014	0					0.36
89.250	0.00	0.02	0.014	0					0.36
89.333	0.00	0.02	0.014	0					0.35

89.417	0.00	0.02	0.013	0					0.35
89.500	0.00	0.02	0.013	0					0.35
89.583	0.00	0.02	0.013	0					0.35
89.667	0.00	0.02	0.013	0					0.34
89.750	0.00	0.02	0.013	0					0.34
89.833	0.00	0.02	0.013	0					0.34
89.917	0.00	0.02	0.013	0					0.34
90.000	0.00	0.02	0.013	0					0.34
90.083	0.00	0.01	0.013	0					0.33
90.167	0.00	0.01	0.013	0					0.33
90.250	0.00	0.01	0.012	0					0.33
90.333	0.00	0.01	0.012	0					0.33
90.417	0.00	0.01	0.012	0					0.32
90.500	0.00	0.01	0.012	0					0.32
90.583	0.00	0.01	0.012	0					0.32
90.667	0.00	0.01	0.012	0					0.32
90.750	0.00	0.01	0.012	0					0.32
90.833	0.00	0.01	0.012	0					0.31
90.917	0.00	0.01	0.012	0					0.31
91.000	0.00	0.01	0.012	0					0.31
91.083	0.00	0.01	0.011	0					0.31
91.167	0.00	0.01	0.011	0					0.30
91.250	0.00	0.01	0.011	0					0.30
91.333	0.00	0.01	0.011	0					0.30
91.417	0.00	0.01	0.011	0					0.30
91.500	0.00	0.01	0.011	0					0.30
91.583	0.00	0.01	0.011	0					0.29
91.667	0.00	0.01	0.011	0					0.29
91.750	0.00	0.01	0.011	0					0.29
91.833	0.00	0.01	0.011	0					0.29
91.917	0.00	0.01	0.010	0					0.29
92.000	0.00	0.01	0.010	0					0.28
92.083	0.00	0.01	0.010	0					0.28
92.167	0.00	0.01	0.010	0					0.28
92.250	0.00	0.01	0.010	0					0.28
92.333	0.00	0.01	0.010	0					0.28
92.417	0.00	0.01	0.010	0					0.27
92.500	0.00	0.01	0.010	0					0.27
92.583	0.00	0.01	0.010	0					0.27
92.667	0.00	0.01	0.010	0					0.27
92.750	0.00	0.01	0.010	0					0.27
92.833	0.00	0.01	0.009	0					0.26
92.917	0.00	0.01	0.009	0					0.26
93.000	0.00	0.01	0.009	0					0.26
93.083	0.00	0.01	0.009	0					0.26
93.167	0.00	0.01	0.009	0					0.26
93.250	0.00	0.01	0.009	0					0.25
93.333	0.00	0.01	0.009	0					0.25
93.417	0.00	0.01	0.009	0					0.25
93.500	0.00	0.01	0.009	0					0.25

93.583	0.00	0.01	0.009	0					0.25
93.667	0.00	0.01	0.009	0					0.24
93.750	0.00	0.01	0.008	0					0.24
93.833	0.00	0.01	0.008	0					0.24
93.917	0.00	0.01	0.008	0					0.24
94.000	0.00	0.01	0.008	0					0.24
94.083	0.00	0.01	0.008	0					0.24
94.167	0.00	0.01	0.008	0					0.23
94.250	0.00	0.01	0.008	0					0.23
94.333	0.00	0.01	0.008	0					0.23
94.417	0.00	0.01	0.008	0					0.23
94.500	0.00	0.01	0.008	0					0.23
94.583	0.00	0.01	0.008	0					0.22
94.667	0.00	0.01	0.008	0					0.22
94.750	0.00	0.01	0.008	0					0.22
94.833	0.00	0.01	0.007	0					0.22
94.917	0.00	0.01	0.007	0					0.22
95.000	0.00	0.01	0.007	0					0.22
95.083	0.00	0.01	0.007	0					0.21
95.167	0.00	0.01	0.007	0					0.21
95.250	0.00	0.01	0.007	0					0.21
95.333	0.00	0.01	0.007	0					0.21
95.417	0.00	0.01	0.007	0					0.21
95.500	0.00	0.01	0.007	0					0.21
95.583	0.00	0.01	0.007	0					0.20
95.667	0.00	0.01	0.007	0					0.20
95.750	0.00	0.01	0.007	0					0.20
95.833	0.00	0.01	0.007	0					0.20
95.917	0.00	0.01	0.006	0					0.20
96.000	0.00	0.01	0.006	0					0.20
96.083	0.00	0.01	0.006	0					0.19
96.167	0.00	0.01	0.006	0					0.19
96.250	0.00	0.01	0.006	0					0.19
96.333	0.00	0.01	0.006	0					0.19
96.417	0.00	0.01	0.006	0					0.19
96.500	0.00	0.01	0.006	0					0.19
96.583	0.00	0.01	0.006	0					0.18
96.667	0.00	0.01	0.006	0					0.18
96.750	0.00	0.01	0.006	0					0.18
96.833	0.00	0.01	0.006	0					0.18
96.917	0.00	0.01	0.006	0					0.18
97.000	0.00	0.01	0.005	0					0.18
97.083	0.00	0.01	0.005	0					0.17
97.167	0.00	0.01	0.005	0					0.17
97.250	0.00	0.01	0.005	0					0.17
97.333	0.00	0.01	0.005	0					0.17
97.417	0.00	0.01	0.005	0					0.17
97.500	0.00	0.01	0.005	0					0.17
97.583	0.00	0.01	0.005	0					0.17
97.667	0.00	0.01	0.005	0					0.16

97.750	0.00	0.01	0.005	0					0.16
97.833	0.00	0.01	0.005	0					0.16
97.917	0.00	0.01	0.005	0					0.16
98.000	0.00	0.01	0.005	0					0.16
98.083	0.00	0.01	0.005	0					0.16
98.167	0.00	0.01	0.005	0					0.16
98.250	0.00	0.01	0.004	0					0.15
98.333	0.00	0.01	0.004	0					0.15
98.417	0.00	0.01	0.004	0					0.15
98.500	0.00	0.01	0.004	0					0.15
98.583	0.00	0.01	0.004	0					0.15
98.667	0.00	0.01	0.004	0					0.15
98.750	0.00	0.01	0.004	0					0.15
98.833	0.00	0.01	0.004	0					0.14
98.917	0.00	0.01	0.004	0					0.14
99.000	0.00	0.01	0.004	0					0.14
99.083	0.00	0.01	0.004	0					0.14
99.167	0.00	0.01	0.004	0					0.14
99.250	0.00	0.01	0.004	0					0.14
99.333	0.00	0.01	0.004	0					0.14
99.417	0.00	0.01	0.004	0					0.13
99.500	0.00	0.01	0.003	0					0.13
99.583	0.00	0.01	0.003	0					0.13
99.667	0.00	0.01	0.003	0					0.13
99.750	0.00	0.01	0.003	0					0.13
99.833	0.00	0.01	0.003	0					0.13
99.917	0.00	0.01	0.003	0					0.13
100.000	0.00	0.01	0.003	0					0.12
100.083	0.00	0.01	0.003	0					0.12
100.167	0.00	0.01	0.003	0					0.12
100.250	0.00	0.01	0.003	0					0.12
100.333	0.00	0.01	0.003	0					0.12
100.417	0.00	0.01	0.003	0					0.12
100.500	0.00	0.01	0.003	0					0.12
100.583	0.00	0.01	0.003	0					0.12
100.667	0.00	0.01	0.003	0					0.11
100.750	0.00	0.01	0.003	0					0.11
100.833	0.00	0.01	0.003	0					0.11
100.917	0.00	0.01	0.002	0					0.11
101.000	0.00	0.01	0.002	0					0.11
101.083	0.00	0.01	0.002	0					0.11
101.167	0.00	0.01	0.002	0					0.11
101.250	0.00	0.01	0.002	0					0.11
101.333	0.00	0.01	0.002	0					0.10
101.417	0.00	0.01	0.002	0					0.10
101.500	0.00	0.01	0.002	0					0.10
101.583	0.00	0.01	0.002	0					0.10
101.667	0.00	0.01	0.002	0					0.10
101.750	0.00	0.01	0.002	0					0.10
101.833	0.00	0.01	0.002	0					0.09

101.917	0.00	0.01	0.002	0					0.09
102.000	0.00	0.01	0.002	0					0.09
102.083	0.00	0.01	0.002	0					0.09
102.167	0.00	0.01	0.002	0					0.08
102.250	0.00	0.01	0.002	0					0.08
102.333	0.00	0.01	0.002	0					0.08
102.417	0.00	0.01	0.002	0					0.08
102.500	0.00	0.01	0.001	0					0.07
102.583	0.00	0.01	0.001	0					0.07
102.667	0.00	0.01	0.001	0					0.07
102.750	0.00	0.01	0.001	0					0.07
102.833	0.00	0.01	0.001	0					0.07
102.917	0.00	0.01	0.001	0					0.07
103.000	0.00	0.01	0.001	0					0.06
103.083	0.00	0.00	0.001	0					0.06
103.167	0.00	0.00	0.001	0					0.06
103.250	0.00	0.00	0.001	0					0.06
103.333	0.00	0.00	0.001	0					0.06
103.417	0.00	0.00	0.001	0					0.06
103.500	0.00	0.00	0.001	0					0.05
103.583	0.00	0.00	0.001	0					0.05
103.667	0.00	0.00	0.001	0					0.05
103.750	0.00	0.00	0.001	0					0.05
103.833	0.00	0.00	0.001	0					0.05
103.917	0.00	0.00	0.001	0					0.05
104.000	0.00	0.00	0.001	0					0.05
104.083	0.00	0.00	0.001	0					0.04
104.167	0.00	0.00	0.001	0					0.04
104.250	0.00	0.00	0.001	0					0.04
104.333	0.00	0.00	0.001	0					0.04
104.417	0.00	0.00	0.001	0					0.04
104.500	0.00	0.00	0.001	0					0.04
104.583	0.00	0.00	0.001	0					0.04
104.667	0.00	0.00	0.001	0					0.04
104.750	0.00	0.00	0.001	0					0.04
104.833	0.00	0.00	0.001	0					0.03
104.917	0.00	0.00	0.001	0					0.03
105.000	0.00	0.00	0.001	0					0.03
105.083	0.00	0.00	0.001	0					0.03
105.167	0.00	0.00	0.001	0					0.03
105.250	0.00	0.00	0.001	0					0.03
105.333	0.00	0.00	0.001	0					0.03
105.417	0.00	0.00	0.001	0					0.03
105.500	0.00	0.00	0.001	0					0.03
105.583	0.00	0.00	0.001	0					0.03
105.667	0.00	0.00	0.001	0					0.03
105.750	0.00	0.00	0.001	0					0.03
105.833	0.00	0.00	0.000	0					0.02
105.917	0.00	0.00	0.000	0					0.02
106.000	0.00	0.00	0.000	0					0.02

106.083	0.00	0.00	0.000	0					0.02
106.167	0.00	0.00	0.000	0					0.02
106.250	0.00	0.00	0.000	0					0.02
106.333	0.00	0.00	0.000	0					0.02
106.417	0.00	0.00	0.000	0					0.02
106.500	0.00	0.00	0.000	0					0.02
106.583	0.00	0.00	0.000	0					0.02
106.667	0.00	0.00	0.000	0					0.02
106.750	0.00	0.00	0.000	0					0.02
106.833	0.00	0.00	0.000	0					0.02
106.917	0.00	0.00	0.000	0					0.02
107.000	0.00	0.00	0.000	0					0.02
107.083	0.00	0.00	0.000	0					0.02
107.167	0.00	0.00	0.000	0					0.02
107.250	0.00	0.00	0.000	0					0.02
107.333	0.00	0.00	0.000	0					0.02
107.417	0.00	0.00	0.000	0					0.01
107.500	0.00	0.00	0.000	0					0.01
107.583	0.00	0.00	0.000	0					0.01
107.667	0.00	0.00	0.000	0					0.01
107.750	0.00	0.00	0.000	0					0.01
107.833	0.00	0.00	0.000	0					0.01
107.917	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1295

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 2.827 (CFS)

Total volume = 0.595 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
100 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da33100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 37
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.567 (CFS)
Total volume = 0.459 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 37
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.4	2.78	4.17	5.57	Depth (Ft.)
0.083	0.52	0.01	0.002	O I					0.09
0.167	0.78	0.01	0.006	O I					0.19
0.250	0.68	0.01	0.011	O I					0.30
0.333	0.82	0.02	0.016	O I					0.41
0.417	0.92	0.02	0.022	O I					0.54
0.500	1.07	0.03	0.029	O I					0.69
0.583	0.99	0.03	0.036	O I					0.84
0.667	1.07	0.03	0.042	O I					0.99
0.750	1.14	0.04	0.050	O I					1.10
0.833	0.99	0.04	0.057	O I					1.20
0.917	0.97	0.04	0.063	O I					1.29
1.000	1.09	0.04	0.070	O I					1.39
1.083	1.33	0.04	0.078	O I					1.50
1.167	1.43	0.04	0.088	O I					1.64
1.250	1.43	0.05	0.097	O I					1.77
1.333	1.33	0.05	0.106	O I					1.90
1.417	1.57	0.05	0.116	O I					2.03
1.500	1.77	0.05	0.127	O I					2.17
1.583	1.65	0.05	0.138	O I					2.31
1.667	1.72	0.05	0.150	O I					2.44
1.750	2.08	0.06	0.162	O I					2.59
1.833	2.13	0.06	0.176	O I					2.76

1.917	1.99	0.06	0.190	0		I				2.93
2.000	1.99	0.06	0.203	0		I				3.09
2.083	2.06	0.06	0.217	0		I				3.24
2.167	2.62	0.07	0.233	0			I			3.43
2.250	3.27	0.07	0.252	0				I		3.66
2.333	2.73	0.07	0.273	0			I			3.89
2.417	3.97	0.07	0.295	0				I		4.15
2.500	5.01	0.08	0.326	0					I	4.51
2.583	5.57	0.12	0.361	0					I	4.95
2.667	4.67	0.59	0.394	0				I		5.39
2.750	2.22	1.16	0.412	0		I				5.64
2.833	1.19	1.24	0.415	IO						5.70
2.917	1.14	1.23	0.415	IO						5.69
3.000	0.59	1.18	0.412	I 0						5.65
3.083	0.11	1.05	0.407	I 0						5.58
3.167	0.00	0.88	0.401	I 0						5.48
3.250	0.00	0.65	0.396	I 0						5.41
3.333	0.00	0.48	0.392	I 0						5.36
3.417	0.00	0.36	0.389	I 0						5.32
3.500	0.00	0.27	0.387	IO						5.29
3.583	0.00	0.20	0.385	IO						5.26
3.667	0.00	0.15	0.384	0						5.25
3.750	0.00	0.15	0.383	0						5.23
3.833	0.00	0.15	0.382	0						5.22
3.917	0.00	0.15	0.381	0						5.21
4.000	0.00	0.15	0.380	0						5.19
4.083	0.00	0.15	0.379	0						5.18
4.167	0.00	0.14	0.378	0						5.17
4.250	0.00	0.14	0.377	0						5.15
4.333	0.00	0.14	0.376	0						5.14
4.417	0.00	0.14	0.375	0						5.13
4.500	0.00	0.14	0.374	0						5.12
4.583	0.00	0.14	0.373	0						5.10
4.667	0.00	0.14	0.372	0						5.09
4.750	0.00	0.14	0.371	0						5.08
4.833	0.00	0.14	0.370	0						5.07
4.917	0.00	0.13	0.369	0						5.05
5.000	0.00	0.13	0.368	0						5.04
5.083	0.00	0.13	0.367	0						5.03
5.167	0.00	0.13	0.366	0						5.02
5.250	0.00	0.13	0.365	0						5.01
5.333	0.00	0.13	0.365	0						4.99
5.417	0.00	0.13	0.364	0						4.98
5.500	0.00	0.13	0.363	0						4.97
5.583	0.00	0.12	0.362	0						4.96
5.667	0.00	0.12	0.361	0						4.95
5.750	0.00	0.12	0.360	0						4.94
5.833	0.00	0.12	0.359	0						4.93
5.917	0.00	0.12	0.359	0						4.92
6.000	0.00	0.12	0.358	0						4.90

6.083	0.00	0.12	0.357	0					4.89
6.167	0.00	0.12	0.356	0					4.88
6.250	0.00	0.12	0.355	0					4.87
6.333	0.00	0.11	0.355	0					4.86
6.417	0.00	0.11	0.354	0					4.85
6.500	0.00	0.11	0.353	0					4.84
6.583	0.00	0.11	0.352	0					4.83
6.667	0.00	0.11	0.351	0					4.82
6.750	0.00	0.11	0.351	0					4.81
6.833	0.00	0.11	0.350	0					4.80
6.917	0.00	0.11	0.349	0					4.79
7.000	0.00	0.11	0.349	0					4.78
7.083	0.00	0.10	0.348	0					4.77
7.167	0.00	0.10	0.347	0					4.76
7.250	0.00	0.10	0.346	0					4.75
7.333	0.00	0.10	0.346	0					4.75
7.417	0.00	0.10	0.345	0					4.74
7.500	0.00	0.10	0.344	0					4.73
7.583	0.00	0.10	0.344	0					4.72
7.667	0.00	0.10	0.343	0					4.71
7.750	0.00	0.10	0.342	0					4.71
7.833	0.00	0.10	0.342	0					4.70
7.917	0.00	0.10	0.341	0					4.69
8.000	0.00	0.09	0.340	0					4.68
8.083	0.00	0.09	0.340	0					4.67
8.167	0.00	0.09	0.339	0					4.67
8.250	0.00	0.09	0.338	0					4.66
8.333	0.00	0.09	0.338	0					4.65
8.417	0.00	0.09	0.337	0					4.64
8.500	0.00	0.09	0.336	0					4.64
8.583	0.00	0.09	0.336	0					4.63
8.667	0.00	0.09	0.335	0					4.62
8.750	0.00	0.09	0.335	0					4.61
8.833	0.00	0.09	0.334	0					4.61
8.917	0.00	0.09	0.333	0					4.60
9.000	0.00	0.09	0.333	0					4.59
9.083	0.00	0.08	0.332	0					4.59
9.167	0.00	0.08	0.332	0					4.58
9.250	0.00	0.08	0.331	0					4.57
9.333	0.00	0.08	0.331	0					4.57
9.417	0.00	0.08	0.330	0					4.56
9.500	0.00	0.08	0.329	0					4.55
9.583	0.00	0.08	0.329	0					4.55
9.667	0.00	0.08	0.328	0					4.54
9.750	0.00	0.08	0.328	0					4.53
9.833	0.00	0.08	0.327	0					4.53
9.917	0.00	0.08	0.327	0					4.52
10.000	0.00	0.08	0.326	0					4.51
10.083	0.00	0.08	0.326	0					4.51
10.167	0.00	0.08	0.325	0					4.50

10.250	0.00	0.07	0.325	0					4.50
10.333	0.00	0.07	0.324	0					4.49
10.417	0.00	0.07	0.324	0					4.48
10.500	0.00	0.07	0.323	0					4.48
10.583	0.00	0.07	0.323	0					4.47
10.667	0.00	0.07	0.322	0					4.47
10.750	0.00	0.07	0.322	0					4.46
10.833	0.00	0.07	0.321	0					4.45
10.917	0.00	0.07	0.320	0					4.45
11.000	0.00	0.07	0.320	0					4.44
11.083	0.00	0.07	0.319	0					4.44
11.167	0.00	0.07	0.319	0					4.43
11.250	0.00	0.07	0.318	0					4.42
11.333	0.00	0.07	0.318	0					4.42
11.417	0.00	0.07	0.317	0					4.41
11.500	0.00	0.07	0.317	0					4.41
11.583	0.00	0.07	0.316	0					4.40
11.667	0.00	0.07	0.316	0					4.39
11.750	0.00	0.07	0.315	0					4.39
11.833	0.00	0.07	0.315	0					4.38
11.917	0.00	0.07	0.314	0					4.38
12.000	0.00	0.07	0.314	0					4.37
12.083	0.00	0.07	0.313	0					4.36
12.167	0.00	0.07	0.313	0					4.36
12.250	0.00	0.07	0.312	0					4.35
12.333	0.00	0.07	0.312	0					4.35
12.417	0.00	0.07	0.311	0					4.34
12.500	0.00	0.07	0.311	0					4.33
12.583	0.00	0.07	0.310	0					4.33
12.667	0.00	0.07	0.310	0					4.32
12.750	0.00	0.07	0.309	0					4.32
12.833	0.00	0.07	0.309	0					4.31
12.917	0.00	0.07	0.308	0					4.31
13.000	0.00	0.07	0.308	0					4.30
13.083	0.00	0.07	0.307	0					4.29
13.167	0.00	0.07	0.307	0					4.29
13.250	0.00	0.07	0.306	0					4.28
13.333	0.00	0.07	0.306	0					4.28
13.417	0.00	0.07	0.305	0					4.27
13.500	0.00	0.07	0.305	0					4.26
13.583	0.00	0.07	0.304	0					4.26
13.667	0.00	0.07	0.304	0					4.25
13.750	0.00	0.07	0.303	0					4.25
13.833	0.00	0.07	0.303	0					4.24
13.917	0.00	0.07	0.302	0					4.23
14.000	0.00	0.07	0.302	0					4.23
14.083	0.00	0.07	0.301	0					4.22
14.167	0.00	0.07	0.301	0					4.22
14.250	0.00	0.07	0.300	0					4.21
14.333	0.00	0.07	0.300	0					4.21

14.417	0.00	0.07	0.299	0					4.20
14.500	0.00	0.07	0.299	0					4.19
14.583	0.00	0.07	0.298	0					4.19
14.667	0.00	0.07	0.298	0					4.18
14.750	0.00	0.07	0.297	0					4.18
14.833	0.00	0.07	0.297	0					4.17
14.917	0.00	0.07	0.296	0					4.17
15.000	0.00	0.07	0.296	0					4.16
15.083	0.00	0.07	0.295	0					4.15
15.167	0.00	0.07	0.295	0					4.15
15.250	0.00	0.07	0.294	0					4.14
15.333	0.00	0.07	0.294	0					4.14
15.417	0.00	0.07	0.293	0					4.13
15.500	0.00	0.07	0.293	0					4.12
15.583	0.00	0.07	0.292	0					4.12
15.667	0.00	0.07	0.292	0					4.11
15.750	0.00	0.07	0.291	0					4.11
15.833	0.00	0.07	0.291	0					4.10
15.917	0.00	0.07	0.290	0					4.10
16.000	0.00	0.07	0.290	0					4.09
16.083	0.00	0.07	0.289	0					4.08
16.167	0.00	0.07	0.289	0					4.08
16.250	0.00	0.07	0.288	0					4.07
16.333	0.00	0.07	0.288	0					4.07
16.417	0.00	0.07	0.287	0					4.06
16.500	0.00	0.07	0.287	0					4.06
16.583	0.00	0.07	0.286	0					4.05
16.667	0.00	0.07	0.286	0					4.04
16.750	0.00	0.07	0.285	0					4.04
16.833	0.00	0.07	0.285	0					4.03
16.917	0.00	0.07	0.284	0					4.03
17.000	0.00	0.07	0.284	0					4.02
17.083	0.00	0.07	0.283	0					4.02
17.167	0.00	0.07	0.283	0					4.01
17.250	0.00	0.07	0.282	0					4.00
17.333	0.00	0.07	0.282	0					4.00
17.417	0.00	0.07	0.281	0					3.99
17.500	0.00	0.07	0.281	0					3.99
17.583	0.00	0.07	0.280	0					3.98
17.667	0.00	0.07	0.280	0					3.98
17.750	0.00	0.07	0.279	0					3.97
17.833	0.00	0.07	0.279	0					3.96
17.917	0.00	0.07	0.278	0					3.96
18.000	0.00	0.07	0.278	0					3.95
18.083	0.00	0.07	0.278	0					3.95
18.167	0.00	0.07	0.277	0					3.94
18.250	0.00	0.07	0.277	0					3.94
18.333	0.00	0.07	0.276	0					3.93
18.417	0.00	0.07	0.276	0					3.93
18.500	0.00	0.07	0.275	0					3.92

18.583	0.00	0.07	0.275	0					3.91
18.667	0.00	0.07	0.274	0					3.91
18.750	0.00	0.07	0.274	0					3.90
18.833	0.00	0.07	0.273	0					3.90
18.917	0.00	0.07	0.273	0					3.89
19.000	0.00	0.07	0.272	0					3.89
19.083	0.00	0.07	0.272	0					3.88
19.167	0.00	0.07	0.271	0					3.87
19.250	0.00	0.07	0.271	0					3.87
19.333	0.00	0.07	0.270	0					3.86
19.417	0.00	0.07	0.270	0					3.86
19.500	0.00	0.07	0.269	0					3.85
19.583	0.00	0.07	0.269	0					3.85
19.667	0.00	0.07	0.268	0					3.84
19.750	0.00	0.07	0.268	0					3.84
19.833	0.00	0.07	0.267	0					3.83
19.917	0.00	0.07	0.267	0					3.82
20.000	0.00	0.07	0.266	0					3.82
20.083	0.00	0.07	0.266	0					3.81
20.167	0.00	0.07	0.265	0					3.81
20.250	0.00	0.07	0.265	0					3.80
20.333	0.00	0.07	0.265	0					3.80
20.417	0.00	0.07	0.264	0					3.79
20.500	0.00	0.07	0.264	0					3.79
20.583	0.00	0.07	0.263	0					3.78
20.667	0.00	0.07	0.263	0					3.77
20.750	0.00	0.07	0.262	0					3.77
20.833	0.00	0.07	0.262	0					3.76
20.917	0.00	0.07	0.261	0					3.76
21.000	0.00	0.07	0.261	0					3.75
21.083	0.00	0.07	0.260	0					3.75
21.167	0.00	0.07	0.260	0					3.74
21.250	0.00	0.07	0.259	0					3.74
21.333	0.00	0.07	0.259	0					3.73
21.417	0.00	0.07	0.258	0					3.73
21.500	0.00	0.07	0.258	0					3.72
21.583	0.00	0.07	0.257	0					3.71
21.667	0.00	0.07	0.257	0					3.71
21.750	0.00	0.07	0.257	0					3.70
21.833	0.00	0.07	0.256	0					3.70
21.917	0.00	0.07	0.256	0					3.69
22.000	0.00	0.07	0.255	0					3.69
22.083	0.00	0.07	0.255	0					3.68
22.167	0.00	0.07	0.254	0					3.68
22.250	0.00	0.07	0.254	0					3.67
22.333	0.00	0.07	0.253	0					3.67
22.417	0.00	0.07	0.253	0					3.66
22.500	0.00	0.07	0.252	0					3.65
22.583	0.00	0.07	0.252	0					3.65
22.667	0.00	0.07	0.251	0					3.64

22.750	0.00	0.07	0.251	0					3.64
22.833	0.00	0.07	0.250	0					3.63
22.917	0.00	0.07	0.250	0					3.63
23.000	0.00	0.07	0.250	0					3.62
23.083	0.00	0.07	0.249	0					3.62
23.167	0.00	0.07	0.249	0					3.61
23.250	0.00	0.07	0.248	0					3.61
23.333	0.00	0.07	0.248	0					3.60
23.417	0.00	0.07	0.247	0					3.60
23.500	0.00	0.07	0.247	0					3.59
23.583	0.00	0.07	0.246	0					3.58
23.667	0.00	0.07	0.246	0					3.58
23.750	0.00	0.07	0.245	0					3.57
23.833	0.00	0.07	0.245	0					3.57
23.917	0.00	0.07	0.244	0					3.56
24.000	0.00	0.07	0.244	0					3.56
24.083	0.00	0.07	0.244	0					3.55
24.167	0.00	0.07	0.243	0					3.55
24.250	0.00	0.07	0.243	0					3.54
24.333	0.00	0.07	0.242	0					3.54
24.417	0.00	0.07	0.242	0					3.53
24.500	0.00	0.07	0.241	0					3.53
24.583	0.00	0.07	0.241	0					3.52
24.667	0.00	0.07	0.240	0					3.52
24.750	0.00	0.07	0.240	0					3.51
24.833	0.00	0.07	0.239	0					3.51
24.917	0.00	0.07	0.239	0					3.50
25.000	0.00	0.07	0.239	0					3.49
25.083	0.00	0.07	0.238	0					3.49
25.167	0.00	0.07	0.238	0					3.48
25.250	0.00	0.07	0.237	0					3.48
25.333	0.00	0.07	0.237	0					3.47
25.417	0.00	0.07	0.236	0					3.47
25.500	0.00	0.07	0.236	0					3.46
25.583	0.00	0.07	0.235	0					3.46
25.667	0.00	0.07	0.235	0					3.45
25.750	0.00	0.07	0.234	0					3.45
25.833	0.00	0.07	0.234	0					3.44
25.917	0.00	0.07	0.234	0					3.44
26.000	0.00	0.07	0.233	0					3.43
26.083	0.00	0.07	0.233	0					3.43
26.167	0.00	0.07	0.232	0					3.42
26.250	0.00	0.07	0.232	0					3.42
26.333	0.00	0.07	0.231	0					3.41
26.417	0.00	0.07	0.231	0					3.41
26.500	0.00	0.07	0.230	0					3.40
26.583	0.00	0.06	0.230	0					3.39
26.667	0.00	0.06	0.230	0					3.39
26.750	0.00	0.06	0.229	0					3.38
26.833	0.00	0.06	0.229	0					3.38

26.917	0.00	0.06	0.228	0					3.37
27.000	0.00	0.06	0.228	0					3.37
27.083	0.00	0.06	0.227	0					3.36
27.167	0.00	0.06	0.227	0					3.36
27.250	0.00	0.06	0.226	0					3.35
27.333	0.00	0.06	0.226	0					3.35
27.417	0.00	0.06	0.226	0					3.34
27.500	0.00	0.06	0.225	0					3.34
27.583	0.00	0.06	0.225	0					3.33
27.667	0.00	0.06	0.224	0					3.33
27.750	0.00	0.06	0.224	0					3.32
27.833	0.00	0.06	0.223	0					3.32
27.917	0.00	0.06	0.223	0					3.31
28.000	0.00	0.06	0.222	0					3.31
28.083	0.00	0.06	0.222	0					3.30
28.167	0.00	0.06	0.222	0					3.30
28.250	0.00	0.06	0.221	0					3.29
28.333	0.00	0.06	0.221	0					3.29
28.417	0.00	0.06	0.220	0					3.28
28.500	0.00	0.06	0.220	0					3.28
28.583	0.00	0.06	0.219	0					3.27
28.667	0.00	0.06	0.219	0					3.27
28.750	0.00	0.06	0.218	0					3.26
28.833	0.00	0.06	0.218	0					3.26
28.917	0.00	0.06	0.218	0					3.25
29.000	0.00	0.06	0.217	0					3.25
29.083	0.00	0.06	0.217	0					3.24
29.167	0.00	0.06	0.216	0					3.24
29.250	0.00	0.06	0.216	0					3.23
29.333	0.00	0.06	0.215	0					3.23
29.417	0.00	0.06	0.215	0					3.22
29.500	0.00	0.06	0.215	0					3.22
29.583	0.00	0.06	0.214	0					3.21
29.667	0.00	0.06	0.214	0					3.21
29.750	0.00	0.06	0.213	0					3.20
29.833	0.00	0.06	0.213	0					3.20
29.917	0.00	0.06	0.212	0					3.19
30.000	0.00	0.06	0.212	0					3.19
30.083	0.00	0.06	0.211	0					3.18
30.167	0.00	0.06	0.211	0					3.18
30.250	0.00	0.06	0.211	0					3.17
30.333	0.00	0.06	0.210	0					3.17
30.417	0.00	0.06	0.210	0					3.16
30.500	0.00	0.06	0.209	0					3.16
30.583	0.00	0.06	0.209	0					3.15
30.667	0.00	0.06	0.208	0					3.15
30.750	0.00	0.06	0.208	0					3.14
30.833	0.00	0.06	0.208	0					3.14
30.917	0.00	0.06	0.207	0					3.13
31.000	0.00	0.06	0.207	0					3.13

31.083	0.00	0.06	0.206	0					3.12
31.167	0.00	0.06	0.206	0					3.12
31.250	0.00	0.06	0.205	0					3.11
31.333	0.00	0.06	0.205	0					3.11
31.417	0.00	0.06	0.205	0					3.10
31.500	0.00	0.06	0.204	0					3.10
31.583	0.00	0.06	0.204	0					3.09
31.667	0.00	0.06	0.203	0					3.09
31.750	0.00	0.06	0.203	0					3.08
31.833	0.00	0.06	0.202	0					3.08
31.917	0.00	0.06	0.202	0					3.07
32.000	0.00	0.06	0.202	0					3.07
32.083	0.00	0.06	0.201	0					3.06
32.167	0.00	0.06	0.201	0					3.06
32.250	0.00	0.06	0.200	0					3.05
32.333	0.00	0.06	0.200	0					3.05
32.417	0.00	0.06	0.200	0					3.04
32.500	0.00	0.06	0.199	0					3.04
32.583	0.00	0.06	0.199	0					3.03
32.667	0.00	0.06	0.198	0					3.03
32.750	0.00	0.06	0.198	0					3.02
32.833	0.00	0.06	0.197	0					3.02
32.917	0.00	0.06	0.197	0					3.01
33.000	0.00	0.06	0.197	0					3.01
33.083	0.00	0.06	0.196	0					3.00
33.167	0.00	0.06	0.196	0					3.00
33.250	0.00	0.06	0.195	0					2.99
33.333	0.00	0.06	0.195	0					2.99
33.417	0.00	0.06	0.194	0					2.98
33.500	0.00	0.06	0.194	0					2.98
33.583	0.00	0.06	0.194	0					2.97
33.667	0.00	0.06	0.193	0					2.97
33.750	0.00	0.06	0.193	0					2.96
33.833	0.00	0.06	0.192	0					2.96
33.917	0.00	0.06	0.192	0					2.95
34.000	0.00	0.06	0.192	0					2.95
34.083	0.00	0.06	0.191	0					2.94
34.167	0.00	0.06	0.191	0					2.94
34.250	0.00	0.06	0.190	0					2.93
34.333	0.00	0.06	0.190	0					2.93
34.417	0.00	0.06	0.189	0					2.92
34.500	0.00	0.06	0.189	0					2.92
34.583	0.00	0.06	0.189	0					2.91
34.667	0.00	0.06	0.188	0					2.91
34.750	0.00	0.06	0.188	0					2.90
34.833	0.00	0.06	0.187	0					2.90
34.917	0.00	0.06	0.187	0					2.89
35.000	0.00	0.06	0.187	0					2.89
35.083	0.00	0.06	0.186	0					2.88
35.167	0.00	0.06	0.186	0					2.88

35.250	0.00	0.06	0.185	0					2.87
35.333	0.00	0.06	0.185	0					2.87
35.417	0.00	0.06	0.185	0					2.86
35.500	0.00	0.06	0.184	0					2.86
35.583	0.00	0.06	0.184	0					2.85
35.667	0.00	0.06	0.183	0					2.85
35.750	0.00	0.06	0.183	0					2.84
35.833	0.00	0.06	0.182	0					2.84
35.917	0.00	0.06	0.182	0					2.83
36.000	0.00	0.06	0.182	0					2.83
36.083	0.00	0.06	0.181	0					2.82
36.167	0.00	0.06	0.181	0					2.82
36.250	0.00	0.06	0.180	0					2.81
36.333	0.00	0.06	0.180	0					2.81
36.417	0.00	0.06	0.180	0					2.80
36.500	0.00	0.06	0.179	0					2.80
36.583	0.00	0.06	0.179	0					2.79
36.667	0.00	0.06	0.178	0					2.79
36.750	0.00	0.06	0.178	0					2.78
36.833	0.00	0.06	0.178	0					2.78
36.917	0.00	0.06	0.177	0					2.77
37.000	0.00	0.06	0.177	0					2.77
37.083	0.00	0.06	0.176	0					2.76
37.167	0.00	0.06	0.176	0					2.76
37.250	0.00	0.06	0.176	0					2.75
37.333	0.00	0.06	0.175	0					2.75
37.417	0.00	0.06	0.175	0					2.74
37.500	0.00	0.06	0.174	0					2.74
37.583	0.00	0.06	0.174	0					2.73
37.667	0.00	0.06	0.174	0					2.73
37.750	0.00	0.06	0.173	0					2.73
37.833	0.00	0.06	0.173	0					2.72
37.917	0.00	0.06	0.172	0					2.72
38.000	0.00	0.06	0.172	0					2.71
38.083	0.00	0.06	0.172	0					2.71
38.167	0.00	0.06	0.171	0					2.70
38.250	0.00	0.06	0.171	0					2.70
38.333	0.00	0.06	0.170	0					2.69
38.417	0.00	0.06	0.170	0					2.69
38.500	0.00	0.06	0.170	0					2.68
38.583	0.00	0.06	0.169	0					2.68
38.667	0.00	0.06	0.169	0					2.67
38.750	0.00	0.06	0.168	0					2.67
38.833	0.00	0.06	0.168	0					2.66
38.917	0.00	0.06	0.168	0					2.66
39.000	0.00	0.06	0.167	0					2.65
39.083	0.00	0.06	0.167	0					2.65
39.167	0.00	0.06	0.166	0					2.64
39.250	0.00	0.06	0.166	0					2.64
39.333	0.00	0.06	0.166	0					2.63

39.417	0.00	0.06	0.165	0					2.63
39.500	0.00	0.06	0.165	0					2.63
39.583	0.00	0.06	0.165	0					2.62
39.667	0.00	0.06	0.164	0					2.62
39.750	0.00	0.06	0.164	0					2.61
39.833	0.00	0.06	0.163	0					2.61
39.917	0.00	0.06	0.163	0					2.60
40.000	0.00	0.06	0.163	0					2.60
40.083	0.00	0.06	0.162	0					2.59
40.167	0.00	0.06	0.162	0					2.59
40.250	0.00	0.06	0.161	0					2.58
40.333	0.00	0.06	0.161	0					2.58
40.417	0.00	0.06	0.161	0					2.57
40.500	0.00	0.06	0.160	0					2.57
40.583	0.00	0.06	0.160	0					2.56
40.667	0.00	0.06	0.159	0					2.56
40.750	0.00	0.06	0.159	0					2.55
40.833	0.00	0.06	0.159	0					2.55
40.917	0.00	0.06	0.158	0					2.55
41.000	0.00	0.06	0.158	0					2.54
41.083	0.00	0.06	0.158	0					2.54
41.167	0.00	0.06	0.157	0					2.53
41.250	0.00	0.06	0.157	0					2.53
41.333	0.00	0.06	0.156	0					2.52
41.417	0.00	0.06	0.156	0					2.52
41.500	0.00	0.06	0.156	0					2.51
41.583	0.00	0.06	0.155	0					2.51
41.667	0.00	0.06	0.155	0					2.50
41.750	0.00	0.06	0.154	0					2.50
41.833	0.00	0.06	0.154	0					2.49
41.917	0.00	0.06	0.154	0					2.49
42.000	0.00	0.06	0.153	0					2.49
42.083	0.00	0.06	0.153	0					2.48
42.167	0.00	0.06	0.153	0					2.48
42.250	0.00	0.06	0.152	0					2.47
42.333	0.00	0.06	0.152	0					2.47
42.417	0.00	0.06	0.151	0					2.46
42.500	0.00	0.06	0.151	0					2.46
42.583	0.00	0.05	0.151	0					2.45
42.667	0.00	0.05	0.150	0					2.45
42.750	0.00	0.05	0.150	0					2.44
42.833	0.00	0.05	0.150	0					2.44
42.917	0.00	0.05	0.149	0					2.44
43.000	0.00	0.05	0.149	0					2.43
43.083	0.00	0.05	0.148	0					2.43
43.167	0.00	0.05	0.148	0					2.42
43.250	0.00	0.05	0.148	0					2.42
43.333	0.00	0.05	0.147	0					2.41
43.417	0.00	0.05	0.147	0					2.41
43.500	0.00	0.05	0.146	0					2.40

43.583	0.00	0.05	0.146	0					2.40
43.667	0.00	0.05	0.146	0					2.39
43.750	0.00	0.05	0.145	0					2.39
43.833	0.00	0.05	0.145	0					2.39
43.917	0.00	0.05	0.145	0					2.38
44.000	0.00	0.05	0.144	0					2.38
44.083	0.00	0.05	0.144	0					2.37
44.167	0.00	0.05	0.144	0					2.37
44.250	0.00	0.05	0.143	0					2.36
44.333	0.00	0.05	0.143	0					2.36
44.417	0.00	0.05	0.142	0					2.35
44.500	0.00	0.05	0.142	0					2.35
44.583	0.00	0.05	0.142	0					2.35
44.667	0.00	0.05	0.141	0					2.34
44.750	0.00	0.05	0.141	0					2.34
44.833	0.00	0.05	0.141	0					2.33
44.917	0.00	0.05	0.140	0					2.33
45.000	0.00	0.05	0.140	0					2.32
45.083	0.00	0.05	0.139	0					2.32
45.167	0.00	0.05	0.139	0					2.31
45.250	0.00	0.05	0.139	0					2.31
45.333	0.00	0.05	0.138	0					2.31
45.417	0.00	0.05	0.138	0					2.30
45.500	0.00	0.05	0.138	0					2.30
45.583	0.00	0.05	0.137	0					2.29
45.667	0.00	0.05	0.137	0					2.29
45.750	0.00	0.05	0.137	0					2.28
45.833	0.00	0.05	0.136	0					2.28
45.917	0.00	0.05	0.136	0					2.27
46.000	0.00	0.05	0.135	0					2.27
46.083	0.00	0.05	0.135	0					2.27
46.167	0.00	0.05	0.135	0					2.26
46.250	0.00	0.05	0.134	0					2.26
46.333	0.00	0.05	0.134	0					2.25
46.417	0.00	0.05	0.134	0					2.25
46.500	0.00	0.05	0.133	0					2.24
46.583	0.00	0.05	0.133	0					2.24
46.667	0.00	0.05	0.132	0					2.23
46.750	0.00	0.05	0.132	0					2.23
46.833	0.00	0.05	0.132	0					2.23
46.917	0.00	0.05	0.131	0					2.22
47.000	0.00	0.05	0.131	0					2.22
47.083	0.00	0.05	0.131	0					2.21
47.167	0.00	0.05	0.130	0					2.21
47.250	0.00	0.05	0.130	0					2.20
47.333	0.00	0.05	0.130	0					2.20
47.417	0.00	0.05	0.129	0					2.20
47.500	0.00	0.05	0.129	0					2.19
47.583	0.00	0.05	0.129	0					2.19
47.667	0.00	0.05	0.128	0					2.18

47.750	0.00	0.05	0.128	0					2.18
47.833	0.00	0.05	0.127	0					2.17
47.917	0.00	0.05	0.127	0					2.17
48.000	0.00	0.05	0.127	0					2.17
48.083	0.00	0.05	0.126	0					2.16
48.167	0.00	0.05	0.126	0					2.16
48.250	0.00	0.05	0.126	0					2.15
48.333	0.00	0.05	0.125	0					2.15
48.417	0.00	0.05	0.125	0					2.14
48.500	0.00	0.05	0.125	0					2.14
48.583	0.00	0.05	0.124	0					2.14
48.667	0.00	0.05	0.124	0					2.13
48.750	0.00	0.05	0.124	0					2.13
48.833	0.00	0.05	0.123	0					2.12
48.917	0.00	0.05	0.123	0					2.12
49.000	0.00	0.05	0.122	0					2.11
49.083	0.00	0.05	0.122	0					2.11
49.167	0.00	0.05	0.122	0					2.11
49.250	0.00	0.05	0.121	0					2.10
49.333	0.00	0.05	0.121	0					2.10
49.417	0.00	0.05	0.121	0					2.09
49.500	0.00	0.05	0.120	0					2.09
49.583	0.00	0.05	0.120	0					2.08
49.667	0.00	0.05	0.120	0					2.08
49.750	0.00	0.05	0.119	0					2.08
49.833	0.00	0.05	0.119	0					2.07
49.917	0.00	0.05	0.119	0					2.07
50.000	0.00	0.05	0.118	0					2.06
50.083	0.00	0.05	0.118	0					2.06
50.167	0.00	0.05	0.118	0					2.06
50.250	0.00	0.05	0.117	0					2.05
50.333	0.00	0.05	0.117	0					2.05
50.417	0.00	0.05	0.117	0					2.04
50.500	0.00	0.05	0.116	0					2.04
50.583	0.00	0.05	0.116	0					2.03
50.667	0.00	0.05	0.115	0					2.03
50.750	0.00	0.05	0.115	0					2.03
50.833	0.00	0.05	0.115	0					2.02
50.917	0.00	0.05	0.114	0					2.02
51.000	0.00	0.05	0.114	0					2.01
51.083	0.00	0.05	0.114	0					2.01
51.167	0.00	0.05	0.113	0					2.00
51.250	0.00	0.05	0.113	0					2.00
51.333	0.00	0.05	0.113	0					2.00
51.417	0.00	0.05	0.112	0					1.99
51.500	0.00	0.05	0.112	0					1.99
51.583	0.00	0.05	0.112	0					1.98
51.667	0.00	0.05	0.111	0					1.98
51.750	0.00	0.05	0.111	0					1.97
51.833	0.00	0.05	0.111	0					1.97

51.917	0.00	0.05	0.110	0					1.96
52.000	0.00	0.05	0.110	0					1.96
52.083	0.00	0.05	0.110	0					1.95
52.167	0.00	0.05	0.109	0					1.95
52.250	0.00	0.05	0.109	0					1.94
52.333	0.00	0.05	0.109	0					1.94
52.417	0.00	0.05	0.108	0					1.93
52.500	0.00	0.05	0.108	0					1.93
52.583	0.00	0.05	0.108	0					1.92
52.667	0.00	0.05	0.107	0					1.92
52.750	0.00	0.05	0.107	0					1.91
52.833	0.00	0.05	0.107	0					1.91
52.917	0.00	0.05	0.106	0					1.90
53.000	0.00	0.05	0.106	0					1.90
53.083	0.00	0.05	0.106	0					1.89
53.167	0.00	0.05	0.105	0					1.89
53.250	0.00	0.05	0.105	0					1.88
53.333	0.00	0.05	0.105	0					1.88
53.417	0.00	0.05	0.104	0					1.88
53.500	0.00	0.05	0.104	0					1.87
53.583	0.00	0.05	0.104	0					1.87
53.667	0.00	0.05	0.103	0					1.86
53.750	0.00	0.05	0.103	0					1.86
53.833	0.00	0.05	0.103	0					1.85
53.917	0.00	0.05	0.102	0					1.85
54.000	0.00	0.05	0.102	0					1.84
54.083	0.00	0.05	0.102	0					1.84
54.167	0.00	0.05	0.101	0					1.83
54.250	0.00	0.05	0.101	0					1.83
54.333	0.00	0.05	0.101	0					1.82
54.417	0.00	0.05	0.100	0					1.82
54.500	0.00	0.05	0.100	0					1.81
54.583	0.00	0.05	0.100	0					1.81
54.667	0.00	0.05	0.099	0					1.81
54.750	0.00	0.05	0.099	0					1.80
54.833	0.00	0.05	0.099	0					1.80
54.917	0.00	0.05	0.098	0					1.79
55.000	0.00	0.05	0.098	0					1.79
55.083	0.00	0.05	0.098	0					1.78
55.167	0.00	0.05	0.097	0					1.78
55.250	0.00	0.05	0.097	0					1.77
55.333	0.00	0.05	0.097	0					1.77
55.417	0.00	0.05	0.096	0					1.76
55.500	0.00	0.05	0.096	0					1.76
55.583	0.00	0.05	0.096	0					1.75
55.667	0.00	0.05	0.096	0					1.75
55.750	0.00	0.05	0.095	0					1.75
55.833	0.00	0.05	0.095	0					1.74
55.917	0.00	0.05	0.095	0					1.74
56.000	0.00	0.05	0.094	0					1.73

56.083	0.00	0.05	0.094	0					1.73
56.167	0.00	0.05	0.094	0					1.72
56.250	0.00	0.05	0.093	0					1.72
56.333	0.00	0.05	0.093	0					1.71
56.417	0.00	0.05	0.093	0					1.71
56.500	0.00	0.05	0.092	0					1.70
56.583	0.00	0.05	0.092	0					1.70
56.667	0.00	0.05	0.092	0					1.70
56.750	0.00	0.05	0.091	0					1.69
56.833	0.00	0.05	0.091	0					1.69
56.917	0.00	0.05	0.091	0					1.68
57.000	0.00	0.05	0.090	0					1.68
57.083	0.00	0.05	0.090	0					1.67
57.167	0.00	0.05	0.090	0					1.67
57.250	0.00	0.04	0.090	0					1.66
57.333	0.00	0.04	0.089	0					1.66
57.417	0.00	0.04	0.089	0					1.66
57.500	0.00	0.04	0.089	0					1.65
57.583	0.00	0.04	0.088	0					1.65
57.667	0.00	0.04	0.088	0					1.64
57.750	0.00	0.04	0.088	0					1.64
57.833	0.00	0.04	0.087	0					1.63
57.917	0.00	0.04	0.087	0					1.63
58.000	0.00	0.04	0.087	0					1.63
58.083	0.00	0.04	0.086	0					1.62
58.167	0.00	0.04	0.086	0					1.62
58.250	0.00	0.04	0.086	0					1.61
58.333	0.00	0.04	0.086	0					1.61
58.417	0.00	0.04	0.085	0					1.60
58.500	0.00	0.04	0.085	0					1.60
58.583	0.00	0.04	0.085	0					1.59
58.667	0.00	0.04	0.084	0					1.59
58.750	0.00	0.04	0.084	0					1.59
58.833	0.00	0.04	0.084	0					1.58
58.917	0.00	0.04	0.083	0					1.58
59.000	0.00	0.04	0.083	0					1.57
59.083	0.00	0.04	0.083	0					1.57
59.167	0.00	0.04	0.083	0					1.56
59.250	0.00	0.04	0.082	0					1.56
59.333	0.00	0.04	0.082	0					1.56
59.417	0.00	0.04	0.082	0					1.55
59.500	0.00	0.04	0.081	0					1.55
59.583	0.00	0.04	0.081	0					1.54
59.667	0.00	0.04	0.081	0					1.54
59.750	0.00	0.04	0.080	0					1.54
59.833	0.00	0.04	0.080	0					1.53
59.917	0.00	0.04	0.080	0					1.53
60.000	0.00	0.04	0.080	0					1.52
60.083	0.00	0.04	0.079	0					1.52
60.167	0.00	0.04	0.079	0					1.51

60.250	0.00	0.04	0.079	0					1.51
60.333	0.00	0.04	0.078	0					1.51
60.417	0.00	0.04	0.078	0					1.50
60.500	0.00	0.04	0.078	0					1.50
60.583	0.00	0.04	0.078	0					1.49
60.667	0.00	0.04	0.077	0					1.49
60.750	0.00	0.04	0.077	0					1.48
60.833	0.00	0.04	0.077	0					1.48
60.917	0.00	0.04	0.076	0					1.48
61.000	0.00	0.04	0.076	0					1.47
61.083	0.00	0.04	0.076	0					1.47
61.167	0.00	0.04	0.075	0					1.46
61.250	0.00	0.04	0.075	0					1.46
61.333	0.00	0.04	0.075	0					1.46
61.417	0.00	0.04	0.075	0					1.45
61.500	0.00	0.04	0.074	0					1.45
61.583	0.00	0.04	0.074	0					1.44
61.667	0.00	0.04	0.074	0					1.44
61.750	0.00	0.04	0.073	0					1.44
61.833	0.00	0.04	0.073	0					1.43
61.917	0.00	0.04	0.073	0					1.43
62.000	0.00	0.04	0.073	0					1.42
62.083	0.00	0.04	0.072	0					1.42
62.167	0.00	0.04	0.072	0					1.41
62.250	0.00	0.04	0.072	0					1.41
62.333	0.00	0.04	0.071	0					1.41
62.417	0.00	0.04	0.071	0					1.40
62.500	0.00	0.04	0.071	0					1.40
62.583	0.00	0.04	0.071	0					1.39
62.667	0.00	0.04	0.070	0					1.39
62.750	0.00	0.04	0.070	0					1.39
62.833	0.00	0.04	0.070	0					1.38
62.917	0.00	0.04	0.070	0					1.38
63.000	0.00	0.04	0.069	0					1.37
63.083	0.00	0.04	0.069	0					1.37
63.167	0.00	0.04	0.069	0					1.37
63.250	0.00	0.04	0.068	0					1.36
63.333	0.00	0.04	0.068	0					1.36
63.417	0.00	0.04	0.068	0					1.35
63.500	0.00	0.04	0.068	0					1.35
63.583	0.00	0.04	0.067	0					1.35
63.667	0.00	0.04	0.067	0					1.34
63.750	0.00	0.04	0.067	0					1.34
63.833	0.00	0.04	0.066	0					1.33
63.917	0.00	0.04	0.066	0					1.33
64.000	0.00	0.04	0.066	0					1.33
64.083	0.00	0.04	0.066	0					1.32
64.167	0.00	0.04	0.065	0					1.32
64.250	0.00	0.04	0.065	0					1.32
64.333	0.00	0.04	0.065	0					1.31

64.417	0.00	0.04	0.065	0					1.31
64.500	0.00	0.04	0.064	0					1.30
64.583	0.00	0.04	0.064	0					1.30
64.667	0.00	0.04	0.064	0					1.30
64.750	0.00	0.04	0.063	0					1.29
64.833	0.00	0.04	0.063	0					1.29
64.917	0.00	0.04	0.063	0					1.28
65.000	0.00	0.04	0.063	0					1.28
65.083	0.00	0.04	0.062	0					1.28
65.167	0.00	0.04	0.062	0					1.27
65.250	0.00	0.04	0.062	0					1.27
65.333	0.00	0.04	0.062	0					1.26
65.417	0.00	0.04	0.061	0					1.26
65.500	0.00	0.04	0.061	0					1.26
65.583	0.00	0.04	0.061	0					1.25
65.667	0.00	0.04	0.060	0					1.25
65.750	0.00	0.04	0.060	0					1.25
65.833	0.00	0.04	0.060	0					1.24
65.917	0.00	0.04	0.060	0					1.24
66.000	0.00	0.04	0.059	0					1.23
66.083	0.00	0.04	0.059	0					1.23
66.167	0.00	0.04	0.059	0					1.23
66.250	0.00	0.04	0.059	0					1.22
66.333	0.00	0.04	0.058	0					1.22
66.417	0.00	0.04	0.058	0					1.22
66.500	0.00	0.04	0.058	0					1.21
66.583	0.00	0.04	0.058	0					1.21
66.667	0.00	0.04	0.057	0					1.20
66.750	0.00	0.04	0.057	0					1.20
66.833	0.00	0.04	0.057	0					1.20
66.917	0.00	0.04	0.057	0					1.19
67.000	0.00	0.04	0.056	0					1.19
67.083	0.00	0.04	0.056	0					1.19
67.167	0.00	0.04	0.056	0					1.18
67.250	0.00	0.04	0.055	0					1.18
67.333	0.00	0.04	0.055	0					1.17
67.417	0.00	0.04	0.055	0					1.17
67.500	0.00	0.04	0.055	0					1.17
67.583	0.00	0.04	0.054	0					1.16
67.667	0.00	0.04	0.054	0					1.16
67.750	0.00	0.04	0.054	0					1.16
67.833	0.00	0.04	0.054	0					1.15
67.917	0.00	0.04	0.053	0					1.15
68.000	0.00	0.04	0.053	0					1.15
68.083	0.00	0.04	0.053	0					1.14
68.167	0.00	0.04	0.053	0					1.14
68.250	0.00	0.04	0.052	0					1.13
68.333	0.00	0.04	0.052	0					1.13
68.417	0.00	0.04	0.052	0					1.13
68.500	0.00	0.04	0.052	0					1.12

68.583	0.00	0.04	0.051	0					1.12
68.667	0.00	0.04	0.051	0					1.12
68.750	0.00	0.04	0.051	0					1.11
68.833	0.00	0.04	0.051	0					1.11
68.917	0.00	0.04	0.050	0					1.11
69.000	0.00	0.04	0.050	0					1.10
69.083	0.00	0.04	0.050	0					1.10
69.167	0.00	0.04	0.050	0					1.09
69.250	0.00	0.04	0.049	0					1.09
69.333	0.00	0.04	0.049	0					1.09
69.417	0.00	0.04	0.049	0					1.08
69.500	0.00	0.04	0.049	0					1.08
69.583	0.00	0.04	0.048	0					1.08
69.667	0.00	0.04	0.048	0					1.07
69.750	0.00	0.04	0.048	0					1.07
69.833	0.00	0.04	0.048	0					1.07
69.917	0.00	0.04	0.047	0					1.06
70.000	0.00	0.04	0.047	0					1.06
70.083	0.00	0.04	0.047	0					1.06
70.167	0.00	0.04	0.047	0					1.05
70.250	0.00	0.04	0.046	0					1.05
70.333	0.00	0.04	0.046	0					1.04
70.417	0.00	0.04	0.046	0					1.04
70.500	0.00	0.04	0.046	0					1.04
70.583	0.00	0.04	0.045	0					1.03
70.667	0.00	0.04	0.045	0					1.03
70.750	0.00	0.04	0.045	0					1.03
70.833	0.00	0.04	0.045	0					1.02
70.917	0.00	0.04	0.044	0					1.02
71.000	0.00	0.04	0.044	0					1.02
71.083	0.00	0.04	0.044	0					1.01
71.167	0.00	0.04	0.044	0					1.01
71.250	0.00	0.04	0.043	0					1.01
71.333	0.00	0.04	0.043	0					1.00
71.417	0.00	0.03	0.043	0					1.00
71.500	0.00	0.03	0.043	0					0.99
71.583	0.00	0.03	0.042	0					0.99
71.667	0.00	0.03	0.042	0					0.98
71.750	0.00	0.03	0.042	0					0.98
71.833	0.00	0.03	0.042	0					0.97
71.917	0.00	0.03	0.042	0					0.97
72.000	0.00	0.03	0.041	0					0.96
72.083	0.00	0.03	0.041	0					0.96
72.167	0.00	0.03	0.041	0					0.95
72.250	0.00	0.03	0.041	0					0.95
72.333	0.00	0.03	0.040	0					0.94
72.417	0.00	0.03	0.040	0					0.94
72.500	0.00	0.03	0.040	0					0.93
72.583	0.00	0.03	0.040	0					0.93
72.667	0.00	0.03	0.039	0					0.92

72.750	0.00	0.03	0.039	0					0.92
72.833	0.00	0.03	0.039	0					0.91
72.917	0.00	0.03	0.039	0					0.91
73.000	0.00	0.03	0.039	0					0.90
73.083	0.00	0.03	0.038	0					0.90
73.167	0.00	0.03	0.038	0					0.89
73.250	0.00	0.03	0.038	0					0.89
73.333	0.00	0.03	0.038	0					0.88
73.417	0.00	0.03	0.037	0					0.88
73.500	0.00	0.03	0.037	0					0.87
73.583	0.00	0.03	0.037	0					0.87
73.667	0.00	0.03	0.037	0					0.87
73.750	0.00	0.03	0.037	0					0.86
73.833	0.00	0.03	0.036	0					0.86
73.917	0.00	0.03	0.036	0					0.85
74.000	0.00	0.03	0.036	0					0.85
74.083	0.00	0.03	0.036	0					0.84
74.167	0.00	0.03	0.036	0					0.84
74.250	0.00	0.03	0.035	0					0.83
74.333	0.00	0.03	0.035	0					0.83
74.417	0.00	0.03	0.035	0					0.82
74.500	0.00	0.03	0.035	0					0.82
74.583	0.00	0.03	0.035	0					0.81
74.667	0.00	0.03	0.034	0					0.81
74.750	0.00	0.03	0.034	0					0.81
74.833	0.00	0.03	0.034	0					0.80
74.917	0.00	0.03	0.034	0					0.80
75.000	0.00	0.03	0.034	0					0.79
75.083	0.00	0.03	0.033	0					0.79
75.167	0.00	0.03	0.033	0					0.78
75.250	0.00	0.03	0.033	0					0.78
75.333	0.00	0.03	0.033	0					0.78
75.417	0.00	0.03	0.033	0					0.77
75.500	0.00	0.03	0.032	0					0.77
75.583	0.00	0.03	0.032	0					0.76
75.667	0.00	0.03	0.032	0					0.76
75.750	0.00	0.03	0.032	0					0.75
75.833	0.00	0.03	0.032	0					0.75
75.917	0.00	0.03	0.031	0					0.75
76.000	0.00	0.03	0.031	0					0.74
76.083	0.00	0.03	0.031	0					0.74
76.167	0.00	0.03	0.031	0					0.73
76.250	0.00	0.03	0.031	0					0.73
76.333	0.00	0.03	0.031	0					0.73
76.417	0.00	0.03	0.030	0					0.72
76.500	0.00	0.03	0.030	0					0.72
76.583	0.00	0.03	0.030	0					0.71
76.667	0.00	0.03	0.030	0					0.71
76.750	0.00	0.03	0.030	0					0.71
76.833	0.00	0.03	0.029	0					0.70

76.917	0.00	0.03	0.029	0					0.70
77.000	0.00	0.03	0.029	0					0.69
77.083	0.00	0.03	0.029	0					0.69
77.167	0.00	0.03	0.029	0					0.69
77.250	0.00	0.03	0.029	0					0.68
77.333	0.00	0.03	0.028	0					0.68
77.417	0.00	0.03	0.028	0					0.67
77.500	0.00	0.03	0.028	0					0.67
77.583	0.00	0.03	0.028	0					0.67
77.667	0.00	0.02	0.028	0					0.66
77.750	0.00	0.02	0.027	0					0.66
77.833	0.00	0.02	0.027	0					0.66
77.917	0.00	0.02	0.027	0					0.65
78.000	0.00	0.02	0.027	0					0.65
78.083	0.00	0.02	0.027	0					0.64
78.167	0.00	0.02	0.027	0					0.64
78.250	0.00	0.02	0.026	0					0.64
78.333	0.00	0.02	0.026	0					0.63
78.417	0.00	0.02	0.026	0					0.63
78.500	0.00	0.02	0.026	0					0.63
78.583	0.00	0.02	0.026	0					0.62
78.667	0.00	0.02	0.026	0					0.62
78.750	0.00	0.02	0.025	0					0.62
78.833	0.00	0.02	0.025	0					0.61
78.917	0.00	0.02	0.025	0					0.61
79.000	0.00	0.02	0.025	0					0.61
79.083	0.00	0.02	0.025	0					0.60
79.167	0.00	0.02	0.025	0					0.60
79.250	0.00	0.02	0.025	0					0.59
79.333	0.00	0.02	0.024	0					0.59
79.417	0.00	0.02	0.024	0					0.59
79.500	0.00	0.02	0.024	0					0.58
79.583	0.00	0.02	0.024	0					0.58
79.667	0.00	0.02	0.024	0					0.58
79.750	0.00	0.02	0.024	0					0.57
79.833	0.00	0.02	0.023	0					0.57
79.917	0.00	0.02	0.023	0					0.57
80.000	0.00	0.02	0.023	0					0.56
80.083	0.00	0.02	0.023	0					0.56
80.167	0.00	0.02	0.023	0					0.56
80.250	0.00	0.02	0.023	0					0.55
80.333	0.00	0.02	0.023	0					0.55
80.417	0.00	0.02	0.022	0					0.55
80.500	0.00	0.02	0.022	0					0.54
80.583	0.00	0.02	0.022	0					0.54
80.667	0.00	0.02	0.022	0					0.54
80.750	0.00	0.02	0.022	0					0.53
80.833	0.00	0.02	0.022	0					0.53
80.917	0.00	0.02	0.022	0					0.53
81.000	0.00	0.02	0.021	0					0.53

81.083	0.00	0.02	0.021	0					0.52
81.167	0.00	0.02	0.021	0					0.52
81.250	0.00	0.02	0.021	0					0.52
81.333	0.00	0.02	0.021	0					0.51
81.417	0.00	0.02	0.021	0					0.51
81.500	0.00	0.02	0.021	0					0.51
81.583	0.00	0.02	0.020	0					0.50
81.667	0.00	0.02	0.020	0					0.50
81.750	0.00	0.02	0.020	0					0.50
81.833	0.00	0.02	0.020	0					0.49
81.917	0.00	0.02	0.020	0					0.49
82.000	0.00	0.02	0.020	0					0.49
82.083	0.00	0.02	0.020	0					0.49
82.167	0.00	0.02	0.019	0					0.48
82.250	0.00	0.02	0.019	0					0.48
82.333	0.00	0.02	0.019	0					0.48
82.417	0.00	0.02	0.019	0					0.47
82.500	0.00	0.02	0.019	0					0.47
82.583	0.00	0.02	0.019	0					0.47
82.667	0.00	0.02	0.019	0					0.47
82.750	0.00	0.02	0.019	0					0.46
82.833	0.00	0.02	0.018	0					0.46
82.917	0.00	0.02	0.018	0					0.46
83.000	0.00	0.02	0.018	0					0.45
83.083	0.00	0.02	0.018	0					0.45
83.167	0.00	0.02	0.018	0					0.45
83.250	0.00	0.02	0.018	0					0.45
83.333	0.00	0.02	0.018	0					0.44
83.417	0.00	0.02	0.017	0					0.44
83.500	0.00	0.02	0.017	0					0.44
83.583	0.00	0.02	0.017	0					0.43
83.667	0.00	0.02	0.017	0					0.43
83.750	0.00	0.02	0.017	0					0.43
83.833	0.00	0.02	0.017	0					0.43
83.917	0.00	0.02	0.017	0					0.42
84.000	0.00	0.02	0.017	0					0.42
84.083	0.00	0.02	0.017	0					0.42
84.167	0.00	0.02	0.016	0					0.42
84.250	0.00	0.02	0.016	0					0.41
84.333	0.00	0.02	0.016	0					0.41
84.417	0.00	0.02	0.016	0					0.41
84.500	0.00	0.02	0.016	0					0.41
84.583	0.00	0.02	0.016	0					0.40
84.667	0.00	0.02	0.016	0					0.40
84.750	0.00	0.02	0.016	0					0.40
84.833	0.00	0.02	0.015	0					0.40
84.917	0.00	0.02	0.015	0					0.39
85.000	0.00	0.02	0.015	0					0.39
85.083	0.00	0.02	0.015	0					0.39
85.167	0.00	0.02	0.015	0					0.39

85.250	0.00	0.02	0.015	0					0.38
85.333	0.00	0.02	0.015	0					0.38
85.417	0.00	0.02	0.015	0					0.38
85.500	0.00	0.02	0.015	0					0.38
85.583	0.00	0.02	0.014	0					0.37
85.667	0.00	0.02	0.014	0					0.37
85.750	0.00	0.02	0.014	0					0.37
85.833	0.00	0.02	0.014	0					0.37
85.917	0.00	0.02	0.014	0					0.36
86.000	0.00	0.02	0.014	0					0.36
86.083	0.00	0.02	0.014	0					0.36
86.167	0.00	0.02	0.014	0					0.36
86.250	0.00	0.02	0.014	0					0.35
86.333	0.00	0.02	0.013	0					0.35
86.417	0.00	0.02	0.013	0					0.35
86.500	0.00	0.02	0.013	0					0.35
86.583	0.00	0.02	0.013	0					0.34
86.667	0.00	0.02	0.013	0					0.34
86.750	0.00	0.02	0.013	0					0.34
86.833	0.00	0.02	0.013	0					0.34
86.917	0.00	0.02	0.013	0					0.33
87.000	0.00	0.01	0.013	0					0.33
87.083	0.00	0.01	0.012	0					0.33
87.167	0.00	0.01	0.012	0					0.33
87.250	0.00	0.01	0.012	0					0.33
87.333	0.00	0.01	0.012	0					0.32
87.417	0.00	0.01	0.012	0					0.32
87.500	0.00	0.01	0.012	0					0.32
87.583	0.00	0.01	0.012	0					0.32
87.667	0.00	0.01	0.012	0					0.31
87.750	0.00	0.01	0.012	0					0.31
87.833	0.00	0.01	0.012	0					0.31
87.917	0.00	0.01	0.011	0					0.31
88.000	0.00	0.01	0.011	0					0.31
88.083	0.00	0.01	0.011	0					0.30
88.167	0.00	0.01	0.011	0					0.30
88.250	0.00	0.01	0.011	0					0.30
88.333	0.00	0.01	0.011	0					0.30
88.417	0.00	0.01	0.011	0					0.30
88.500	0.00	0.01	0.011	0					0.29
88.583	0.00	0.01	0.011	0					0.29
88.667	0.00	0.01	0.011	0					0.29
88.750	0.00	0.01	0.011	0					0.29
88.833	0.00	0.01	0.010	0					0.29
88.917	0.00	0.01	0.010	0					0.28
89.000	0.00	0.01	0.010	0					0.28
89.083	0.00	0.01	0.010	0					0.28
89.167	0.00	0.01	0.010	0					0.28
89.250	0.00	0.01	0.010	0					0.28
89.333	0.00	0.01	0.010	0					0.27

89.417	0.00	0.01	0.010	0					0.27
89.500	0.00	0.01	0.010	0					0.27
89.583	0.00	0.01	0.010	0					0.27
89.667	0.00	0.01	0.010	0					0.27
89.750	0.00	0.01	0.009	0					0.26
89.833	0.00	0.01	0.009	0					0.26
89.917	0.00	0.01	0.009	0					0.26
90.000	0.00	0.01	0.009	0					0.26
90.083	0.00	0.01	0.009	0					0.26
90.167	0.00	0.01	0.009	0					0.25
90.250	0.00	0.01	0.009	0					0.25
90.333	0.00	0.01	0.009	0					0.25
90.417	0.00	0.01	0.009	0					0.25
90.500	0.00	0.01	0.009	0					0.25
90.583	0.00	0.01	0.009	0					0.24
90.667	0.00	0.01	0.008	0					0.24
90.750	0.00	0.01	0.008	0					0.24
90.833	0.00	0.01	0.008	0					0.24
90.917	0.00	0.01	0.008	0					0.24
91.000	0.00	0.01	0.008	0					0.23
91.083	0.00	0.01	0.008	0					0.23
91.167	0.00	0.01	0.008	0					0.23
91.250	0.00	0.01	0.008	0					0.23
91.333	0.00	0.01	0.008	0					0.23
91.417	0.00	0.01	0.008	0					0.23
91.500	0.00	0.01	0.008	0					0.22
91.583	0.00	0.01	0.008	0					0.22
91.667	0.00	0.01	0.007	0					0.22
91.750	0.00	0.01	0.007	0					0.22
91.833	0.00	0.01	0.007	0					0.22
91.917	0.00	0.01	0.007	0					0.22
92.000	0.00	0.01	0.007	0					0.21
92.083	0.00	0.01	0.007	0					0.21
92.167	0.00	0.01	0.007	0					0.21
92.250	0.00	0.01	0.007	0					0.21
92.333	0.00	0.01	0.007	0					0.21
92.417	0.00	0.01	0.007	0					0.21
92.500	0.00	0.01	0.007	0					0.20
92.583	0.00	0.01	0.007	0					0.20
92.667	0.00	0.01	0.007	0					0.20
92.750	0.00	0.01	0.006	0					0.20
92.833	0.00	0.01	0.006	0					0.20
92.917	0.00	0.01	0.006	0					0.20
93.000	0.00	0.01	0.006	0					0.19
93.083	0.00	0.01	0.006	0					0.19
93.167	0.00	0.01	0.006	0					0.19
93.250	0.00	0.01	0.006	0					0.19
93.333	0.00	0.01	0.006	0					0.19
93.417	0.00	0.01	0.006	0					0.19
93.500	0.00	0.01	0.006	0					0.18

93.583	0.00	0.01	0.006	0					0.18
93.667	0.00	0.01	0.006	0					0.18
93.750	0.00	0.01	0.006	0					0.18
93.833	0.00	0.01	0.006	0					0.18
93.917	0.00	0.01	0.005	0					0.18
94.000	0.00	0.01	0.005	0					0.17
94.083	0.00	0.01	0.005	0					0.17
94.167	0.00	0.01	0.005	0					0.17
94.250	0.00	0.01	0.005	0					0.17
94.333	0.00	0.01	0.005	0					0.17
94.417	0.00	0.01	0.005	0					0.17
94.500	0.00	0.01	0.005	0					0.17
94.583	0.00	0.01	0.005	0					0.16
94.667	0.00	0.01	0.005	0					0.16
94.750	0.00	0.01	0.005	0					0.16
94.833	0.00	0.01	0.005	0					0.16
94.917	0.00	0.01	0.005	0					0.16
95.000	0.00	0.01	0.005	0					0.16
95.083	0.00	0.01	0.005	0					0.15
95.167	0.00	0.01	0.004	0					0.15
95.250	0.00	0.01	0.004	0					0.15
95.333	0.00	0.01	0.004	0					0.15
95.417	0.00	0.01	0.004	0					0.15
95.500	0.00	0.01	0.004	0					0.15
95.583	0.00	0.01	0.004	0					0.15
95.667	0.00	0.01	0.004	0					0.14
95.750	0.00	0.01	0.004	0					0.14
95.833	0.00	0.01	0.004	0					0.14
95.917	0.00	0.01	0.004	0					0.14
96.000	0.00	0.01	0.004	0					0.14
96.083	0.00	0.01	0.004	0					0.14
96.167	0.00	0.01	0.004	0					0.14
96.250	0.00	0.01	0.004	0					0.14
96.333	0.00	0.01	0.004	0					0.13
96.417	0.00	0.01	0.003	0					0.13
96.500	0.00	0.01	0.003	0					0.13
96.583	0.00	0.01	0.003	0					0.13
96.667	0.00	0.01	0.003	0					0.13
96.750	0.00	0.01	0.003	0					0.13
96.833	0.00	0.01	0.003	0					0.13
96.917	0.00	0.01	0.003	0					0.12
97.000	0.00	0.01	0.003	0					0.12
97.083	0.00	0.01	0.003	0					0.12
97.167	0.00	0.01	0.003	0					0.12
97.250	0.00	0.01	0.003	0					0.12
97.333	0.00	0.01	0.003	0					0.12
97.417	0.00	0.01	0.003	0					0.12
97.500	0.00	0.01	0.003	0					0.12
97.583	0.00	0.01	0.003	0					0.11
97.667	0.00	0.01	0.003	0					0.11

97.750	0.00	0.01	0.003	0					0.11
97.833	0.00	0.01	0.002	0					0.11
97.917	0.00	0.01	0.002	0					0.11
98.000	0.00	0.01	0.002	0					0.11
98.083	0.00	0.01	0.002	0					0.11
98.167	0.00	0.01	0.002	0					0.11
98.250	0.00	0.01	0.002	0					0.10
98.333	0.00	0.01	0.002	0					0.10
98.417	0.00	0.01	0.002	0					0.10
98.500	0.00	0.01	0.002	0					0.10
98.583	0.00	0.01	0.002	0					0.10
98.667	0.00	0.01	0.002	0					0.10
98.750	0.00	0.01	0.002	0					0.09
98.833	0.00	0.01	0.002	0					0.09
98.917	0.00	0.01	0.002	0					0.09
99.000	0.00	0.01	0.002	0					0.09
99.083	0.00	0.01	0.002	0					0.08
99.167	0.00	0.01	0.002	0					0.08
99.250	0.00	0.01	0.002	0					0.08
99.333	0.00	0.01	0.002	0					0.08
99.417	0.00	0.01	0.001	0					0.07
99.500	0.00	0.01	0.001	0					0.07
99.583	0.00	0.01	0.001	0					0.07
99.667	0.00	0.01	0.001	0					0.07
99.750	0.00	0.01	0.001	0					0.07
99.833	0.00	0.01	0.001	0					0.06
99.917	0.00	0.01	0.001	0					0.06
100.000	0.00	0.00	0.001	0					0.06
100.083	0.00	0.00	0.001	0					0.06
100.167	0.00	0.00	0.001	0					0.06
100.250	0.00	0.00	0.001	0					0.06
100.333	0.00	0.00	0.001	0					0.06
100.417	0.00	0.00	0.001	0					0.05
100.500	0.00	0.00	0.001	0					0.05
100.583	0.00	0.00	0.001	0					0.05
100.667	0.00	0.00	0.001	0					0.05
100.750	0.00	0.00	0.001	0					0.05
100.833	0.00	0.00	0.001	0					0.05
100.917	0.00	0.00	0.001	0					0.05
101.000	0.00	0.00	0.001	0					0.04
101.083	0.00	0.00	0.001	0					0.04
101.167	0.00	0.00	0.001	0					0.04
101.250	0.00	0.00	0.001	0					0.04
101.333	0.00	0.00	0.001	0					0.04
101.417	0.00	0.00	0.001	0					0.04
101.500	0.00	0.00	0.001	0					0.04
101.583	0.00	0.00	0.001	0					0.04
101.667	0.00	0.00	0.001	0					0.04
101.750	0.00	0.00	0.001	0					0.03
101.833	0.00	0.00	0.001	0					0.03

101.917	0.00	0.00	0.001	0					0.03
102.000	0.00	0.00	0.001	0					0.03
102.083	0.00	0.00	0.001	0					0.03
102.167	0.00	0.00	0.001	0					0.03
102.250	0.00	0.00	0.001	0					0.03
102.333	0.00	0.00	0.001	0					0.03
102.417	0.00	0.00	0.001	0					0.03
102.500	0.00	0.00	0.001	0					0.03
102.583	0.00	0.00	0.001	0					0.03
102.667	0.00	0.00	0.001	0					0.03
102.750	0.00	0.00	0.000	0					0.02
102.833	0.00	0.00	0.000	0					0.02
102.917	0.00	0.00	0.000	0					0.02
103.000	0.00	0.00	0.000	0					0.02
103.083	0.00	0.00	0.000	0					0.02
103.167	0.00	0.00	0.000	0					0.02
103.250	0.00	0.00	0.000	0					0.02
103.333	0.00	0.00	0.000	0					0.02
103.417	0.00	0.00	0.000	0					0.02
103.500	0.00	0.00	0.000	0					0.02
103.583	0.00	0.00	0.000	0					0.02
103.667	0.00	0.00	0.000	0					0.02
103.750	0.00	0.00	0.000	0					0.02
103.833	0.00	0.00	0.000	0					0.02
103.917	0.00	0.00	0.000	0					0.02
104.000	0.00	0.00	0.000	0					0.02
104.083	0.00	0.00	0.000	0					0.02
104.167	0.00	0.00	0.000	0					0.02
104.250	0.00	0.00	0.000	0					0.02
104.333	0.00	0.00	0.000	0					0.01
104.417	0.00	0.00	0.000	0					0.01
104.500	0.00	0.00	0.000	0					0.01
104.583	0.00	0.00	0.000	0					0.01
104.667	0.00	0.00	0.000	0					0.01
104.750	0.00	0.00	0.000	0					0.01
104.833	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1258

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.243 (CFS)

Total volume = 0.458 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
100 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da31100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 13
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 10.634 (CFS)
Total volume = 0.302 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 13
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.7	5.32	7.98	10.63	Depth (Ft.)
0.083	1.18	0.01	0.004	0 I					0.14
0.167	1.79	0.02	0.014	0 I					0.37
0.250	2.02	0.02	0.027	0 I					0.65
0.333	2.13	0.03	0.041	0 I					0.96
0.417	2.37	0.04	0.056	0 I					1.19
0.500	2.71	0.04	0.074	0 I					1.44
0.583	3.09	0.05	0.093	0 I					1.72
0.667	3.60	0.05	0.116	0 I					2.04
0.750	4.92	0.05	0.145	0 I		I			2.39
0.833	10.63	0.06	0.198	0 I				I	3.03
0.917	6.35	0.07	0.256	0 I		I			3.70
1.000	2.40	0.07	0.286	0 I					4.05
1.083	0.71	0.07	0.296	0 I					4.16
1.167	0.00	0.07	0.298	0 I					4.19
1.250	0.00	0.07	0.298	0 I					4.18
1.333	0.00	0.07	0.297	0 I					4.18
1.417	0.00	0.07	0.297	0 I					4.17
1.500	0.00	0.07	0.296	0 I					4.16
1.583	0.00	0.07	0.296	0 I					4.16
1.667	0.00	0.07	0.295	0 I					4.15
1.750	0.00	0.07	0.295	0 I					4.15
1.833	0.00	0.07	0.294	0 I					4.14

1.917	0.00	0.07	0.294	0					4.13
2.000	0.00	0.07	0.293	0					4.13
2.083	0.00	0.07	0.293	0					4.12
2.167	0.00	0.07	0.292	0					4.12
2.250	0.00	0.07	0.292	0					4.11
2.333	0.00	0.07	0.291	0					4.11
2.417	0.00	0.07	0.291	0					4.10
2.500	0.00	0.07	0.290	0					4.09
2.583	0.00	0.07	0.290	0					4.09
2.667	0.00	0.07	0.289	0					4.08
2.750	0.00	0.07	0.289	0					4.08
2.833	0.00	0.07	0.288	0					4.07
2.917	0.00	0.07	0.288	0					4.07
3.000	0.00	0.07	0.287	0					4.06
3.083	0.00	0.07	0.287	0					4.05
3.167	0.00	0.07	0.286	0					4.05
3.250	0.00	0.07	0.286	0					4.04
3.333	0.00	0.07	0.285	0					4.04
3.417	0.00	0.07	0.285	0					4.03
3.500	0.00	0.07	0.284	0					4.03
3.583	0.00	0.07	0.284	0					4.02
3.667	0.00	0.07	0.283	0					4.01
3.750	0.00	0.07	0.283	0					4.01
3.833	0.00	0.07	0.282	0					4.00
3.917	0.00	0.07	0.282	0					4.00
4.000	0.00	0.07	0.281	0					3.99
4.083	0.00	0.07	0.281	0					3.99
4.167	0.00	0.07	0.280	0					3.98
4.250	0.00	0.07	0.280	0					3.97
4.333	0.00	0.07	0.279	0					3.97
4.417	0.00	0.07	0.279	0					3.96
4.500	0.00	0.07	0.278	0					3.96
4.583	0.00	0.07	0.278	0					3.95
4.667	0.00	0.07	0.277	0					3.95
4.750	0.00	0.07	0.277	0					3.94
4.833	0.00	0.07	0.276	0					3.93
4.917	0.00	0.07	0.276	0					3.93
5.000	0.00	0.07	0.275	0					3.92
5.083	0.00	0.07	0.275	0					3.92
5.167	0.00	0.07	0.274	0					3.91
5.250	0.00	0.07	0.274	0					3.91
5.333	0.00	0.07	0.274	0					3.90
5.417	0.00	0.07	0.273	0					3.90
5.500	0.00	0.07	0.273	0					3.89
5.583	0.00	0.07	0.272	0					3.88
5.667	0.00	0.07	0.272	0					3.88
5.750	0.00	0.07	0.271	0					3.87
5.833	0.00	0.07	0.271	0					3.87
5.917	0.00	0.07	0.270	0					3.86
6.000	0.00	0.07	0.270	0					3.86

6.083	0.00	0.07	0.269	0					3.85
6.167	0.00	0.07	0.269	0					3.85
6.250	0.00	0.07	0.268	0					3.84
6.333	0.00	0.07	0.268	0					3.83
6.417	0.00	0.07	0.267	0					3.83
6.500	0.00	0.07	0.267	0					3.82
6.583	0.00	0.07	0.266	0					3.82
6.667	0.00	0.07	0.266	0					3.81
6.750	0.00	0.07	0.265	0					3.81
6.833	0.00	0.07	0.265	0					3.80
6.917	0.00	0.07	0.264	0					3.80
7.000	0.00	0.07	0.264	0					3.79
7.083	0.00	0.07	0.263	0					3.78
7.167	0.00	0.07	0.263	0					3.78
7.250	0.00	0.07	0.263	0					3.77
7.333	0.00	0.07	0.262	0					3.77
7.417	0.00	0.07	0.262	0					3.76
7.500	0.00	0.07	0.261	0					3.76
7.583	0.00	0.07	0.261	0					3.75
7.667	0.00	0.07	0.260	0					3.75
7.750	0.00	0.07	0.260	0					3.74
7.833	0.00	0.07	0.259	0					3.74
7.917	0.00	0.07	0.259	0					3.73
8.000	0.00	0.07	0.258	0					3.72
8.083	0.00	0.07	0.258	0					3.72
8.167	0.00	0.07	0.257	0					3.71
8.250	0.00	0.07	0.257	0					3.71
8.333	0.00	0.07	0.256	0					3.70
8.417	0.00	0.07	0.256	0					3.70
8.500	0.00	0.07	0.255	0					3.69
8.583	0.00	0.07	0.255	0					3.69
8.667	0.00	0.07	0.255	0					3.68
8.750	0.00	0.07	0.254	0					3.68
8.833	0.00	0.07	0.254	0					3.67
8.917	0.00	0.07	0.253	0					3.66
9.000	0.00	0.07	0.253	0					3.66
9.083	0.00	0.07	0.252	0					3.65
9.167	0.00	0.07	0.252	0					3.65
9.250	0.00	0.07	0.251	0					3.64
9.333	0.00	0.07	0.251	0					3.64
9.417	0.00	0.07	0.250	0					3.63
9.500	0.00	0.07	0.250	0					3.63
9.583	0.00	0.07	0.249	0					3.62
9.667	0.00	0.07	0.249	0					3.62
9.750	0.00	0.07	0.248	0					3.61
9.833	0.00	0.07	0.248	0					3.60
9.917	0.00	0.07	0.248	0					3.60
10.000	0.00	0.07	0.247	0					3.59
10.083	0.00	0.07	0.247	0					3.59
10.167	0.00	0.07	0.246	0					3.58

10.250	0.00	0.07	0.246	0					3.58
10.333	0.00	0.07	0.245	0					3.57
10.417	0.00	0.07	0.245	0					3.57
10.500	0.00	0.07	0.244	0					3.56
10.583	0.00	0.07	0.244	0					3.56
10.667	0.00	0.07	0.243	0					3.55
10.750	0.00	0.07	0.243	0					3.55
10.833	0.00	0.07	0.243	0					3.54
10.917	0.00	0.07	0.242	0					3.54
11.000	0.00	0.07	0.242	0					3.53
11.083	0.00	0.07	0.241	0					3.52
11.167	0.00	0.07	0.241	0					3.52
11.250	0.00	0.07	0.240	0					3.51
11.333	0.00	0.07	0.240	0					3.51
11.417	0.00	0.07	0.239	0					3.50
11.500	0.00	0.07	0.239	0					3.50
11.583	0.00	0.07	0.238	0					3.49
11.667	0.00	0.07	0.238	0					3.49
11.750	0.00	0.07	0.237	0					3.48
11.833	0.00	0.07	0.237	0					3.48
11.917	0.00	0.07	0.237	0					3.47
12.000	0.00	0.07	0.236	0					3.47
12.083	0.00	0.07	0.236	0					3.46
12.167	0.00	0.07	0.235	0					3.46
12.250	0.00	0.07	0.235	0					3.45
12.333	0.00	0.07	0.234	0					3.45
12.417	0.00	0.07	0.234	0					3.44
12.500	0.00	0.07	0.233	0					3.44
12.583	0.00	0.07	0.233	0					3.43
12.667	0.00	0.07	0.233	0					3.42
12.750	0.00	0.07	0.232	0					3.42
12.833	0.00	0.07	0.232	0					3.41
12.917	0.00	0.07	0.231	0					3.41
13.000	0.00	0.07	0.231	0					3.40
13.083	0.00	0.06	0.230	0					3.40
13.167	0.00	0.06	0.230	0					3.39
13.250	0.00	0.06	0.229	0					3.39
13.333	0.00	0.06	0.229	0					3.38
13.417	0.00	0.06	0.229	0					3.38
13.500	0.00	0.06	0.228	0					3.37
13.583	0.00	0.06	0.228	0					3.37
13.667	0.00	0.06	0.227	0					3.36
13.750	0.00	0.06	0.227	0					3.36
13.833	0.00	0.06	0.226	0					3.35
13.917	0.00	0.06	0.226	0					3.35
14.000	0.00	0.06	0.225	0					3.34
14.083	0.00	0.06	0.225	0					3.34
14.167	0.00	0.06	0.225	0					3.33
14.250	0.00	0.06	0.224	0					3.33
14.333	0.00	0.06	0.224	0					3.32

14.417	0.00	0.06	0.223	0					3.32
14.500	0.00	0.06	0.223	0					3.31
14.583	0.00	0.06	0.222	0					3.31
14.667	0.00	0.06	0.222	0					3.30
14.750	0.00	0.06	0.221	0					3.30
14.833	0.00	0.06	0.221	0					3.29
14.917	0.00	0.06	0.221	0					3.29
15.000	0.00	0.06	0.220	0					3.28
15.083	0.00	0.06	0.220	0					3.28
15.167	0.00	0.06	0.219	0					3.27
15.250	0.00	0.06	0.219	0					3.26
15.333	0.00	0.06	0.218	0					3.26
15.417	0.00	0.06	0.218	0					3.25
15.500	0.00	0.06	0.217	0					3.25
15.583	0.00	0.06	0.217	0					3.24
15.667	0.00	0.06	0.217	0					3.24
15.750	0.00	0.06	0.216	0					3.23
15.833	0.00	0.06	0.216	0					3.23
15.917	0.00	0.06	0.215	0					3.22
16.000	0.00	0.06	0.215	0					3.22
16.083	0.00	0.06	0.214	0					3.21
16.167	0.00	0.06	0.214	0					3.21
16.250	0.00	0.06	0.214	0					3.20
16.333	0.00	0.06	0.213	0					3.20
16.417	0.00	0.06	0.213	0					3.19
16.500	0.00	0.06	0.212	0					3.19
16.583	0.00	0.06	0.212	0					3.18
16.667	0.00	0.06	0.211	0					3.18
16.750	0.00	0.06	0.211	0					3.17
16.833	0.00	0.06	0.211	0					3.17
16.917	0.00	0.06	0.210	0					3.16
17.000	0.00	0.06	0.210	0					3.16
17.083	0.00	0.06	0.209	0					3.15
17.167	0.00	0.06	0.209	0					3.15
17.250	0.00	0.06	0.208	0					3.14
17.333	0.00	0.06	0.208	0					3.14
17.417	0.00	0.06	0.207	0					3.13
17.500	0.00	0.06	0.207	0					3.13
17.583	0.00	0.06	0.207	0					3.12
17.667	0.00	0.06	0.206	0					3.12
17.750	0.00	0.06	0.206	0					3.11
17.833	0.00	0.06	0.205	0					3.11
17.917	0.00	0.06	0.205	0					3.10
18.000	0.00	0.06	0.204	0					3.10
18.083	0.00	0.06	0.204	0					3.09
18.167	0.00	0.06	0.204	0					3.09
18.250	0.00	0.06	0.203	0					3.08
18.333	0.00	0.06	0.203	0					3.08
18.417	0.00	0.06	0.202	0					3.07
18.500	0.00	0.06	0.202	0					3.07

18.583	0.00	0.06	0.202	0					3.06
18.667	0.00	0.06	0.201	0					3.06
18.750	0.00	0.06	0.201	0					3.05
18.833	0.00	0.06	0.200	0					3.05
18.917	0.00	0.06	0.200	0					3.04
19.000	0.00	0.06	0.199	0					3.04
19.083	0.00	0.06	0.199	0					3.03
19.167	0.00	0.06	0.199	0					3.03
19.250	0.00	0.06	0.198	0					3.02
19.333	0.00	0.06	0.198	0					3.02
19.417	0.00	0.06	0.197	0					3.02
19.500	0.00	0.06	0.197	0					3.01
19.583	0.00	0.06	0.196	0					3.01
19.667	0.00	0.06	0.196	0					3.00
19.750	0.00	0.06	0.196	0					3.00
19.833	0.00	0.06	0.195	0					2.99
19.917	0.00	0.06	0.195	0					2.99
20.000	0.00	0.06	0.194	0					2.98
20.083	0.00	0.06	0.194	0					2.98
20.167	0.00	0.06	0.194	0					2.97
20.250	0.00	0.06	0.193	0					2.97
20.333	0.00	0.06	0.193	0					2.96
20.417	0.00	0.06	0.192	0					2.95
20.500	0.00	0.06	0.192	0					2.95
20.583	0.00	0.06	0.191	0					2.94
20.667	0.00	0.06	0.191	0					2.94
20.750	0.00	0.06	0.191	0					2.93
20.833	0.00	0.06	0.190	0					2.93
20.917	0.00	0.06	0.190	0					2.92
21.000	0.00	0.06	0.189	0					2.92
21.083	0.00	0.06	0.189	0					2.91
21.167	0.00	0.06	0.189	0					2.91
21.250	0.00	0.06	0.188	0					2.91
21.333	0.00	0.06	0.188	0					2.90
21.417	0.00	0.06	0.187	0					2.90
21.500	0.00	0.06	0.187	0					2.89
21.583	0.00	0.06	0.186	0					2.89
21.667	0.00	0.06	0.186	0					2.88
21.750	0.00	0.06	0.186	0					2.88
21.833	0.00	0.06	0.185	0					2.87
21.917	0.00	0.06	0.185	0					2.87
22.000	0.00	0.06	0.184	0					2.86
22.083	0.00	0.06	0.184	0					2.86
22.167	0.00	0.06	0.184	0					2.85
22.250	0.00	0.06	0.183	0					2.85
22.333	0.00	0.06	0.183	0					2.84
22.417	0.00	0.06	0.182	0					2.84
22.500	0.00	0.06	0.182	0					2.83
22.583	0.00	0.06	0.182	0					2.83
22.667	0.00	0.06	0.181	0					2.82

22.750	0.00	0.06	0.181	0					2.82
22.833	0.00	0.06	0.180	0					2.81
22.917	0.00	0.06	0.180	0					2.81
23.000	0.00	0.06	0.180	0					2.80
23.083	0.00	0.06	0.179	0					2.80
23.167	0.00	0.06	0.179	0					2.79
23.250	0.00	0.06	0.178	0					2.79
23.333	0.00	0.06	0.178	0					2.78
23.417	0.00	0.06	0.178	0					2.78
23.500	0.00	0.06	0.177	0					2.77
23.583	0.00	0.06	0.177	0					2.77
23.667	0.00	0.06	0.176	0					2.76
23.750	0.00	0.06	0.176	0					2.76
23.833	0.00	0.06	0.175	0					2.75
23.917	0.00	0.06	0.175	0					2.75
24.000	0.00	0.06	0.175	0					2.74
24.083	0.00	0.06	0.174	0					2.74
24.167	0.00	0.06	0.174	0					2.73
24.250	0.00	0.06	0.173	0					2.73
24.333	0.00	0.06	0.173	0					2.72
24.417	0.00	0.06	0.173	0					2.72
24.500	0.00	0.06	0.172	0					2.71
24.583	0.00	0.06	0.172	0					2.71
24.667	0.00	0.06	0.171	0					2.70
24.750	0.00	0.06	0.171	0					2.70
24.833	0.00	0.06	0.171	0					2.70
24.917	0.00	0.06	0.170	0					2.69
25.000	0.00	0.06	0.170	0					2.69
25.083	0.00	0.06	0.170	0					2.68
25.167	0.00	0.06	0.169	0					2.68
25.250	0.00	0.06	0.169	0					2.67
25.333	0.00	0.06	0.168	0					2.67
25.417	0.00	0.06	0.168	0					2.66
25.500	0.00	0.06	0.168	0					2.66
25.583	0.00	0.06	0.167	0					2.65
25.667	0.00	0.06	0.167	0					2.65
25.750	0.00	0.06	0.166	0					2.64
25.833	0.00	0.06	0.166	0					2.64
25.917	0.00	0.06	0.166	0					2.63
26.000	0.00	0.06	0.165	0					2.63
26.083	0.00	0.06	0.165	0					2.62
26.167	0.00	0.06	0.164	0					2.62
26.250	0.00	0.06	0.164	0					2.61
26.333	0.00	0.06	0.164	0					2.61
26.417	0.00	0.06	0.163	0					2.61
26.500	0.00	0.06	0.163	0					2.60
26.583	0.00	0.06	0.162	0					2.60
26.667	0.00	0.06	0.162	0					2.59
26.750	0.00	0.06	0.162	0					2.59
26.833	0.00	0.06	0.161	0					2.58

26.917	0.00	0.06	0.161	0					2.58
27.000	0.00	0.06	0.161	0					2.57
27.083	0.00	0.06	0.160	0					2.57
27.167	0.00	0.06	0.160	0					2.56
27.250	0.00	0.06	0.159	0					2.56
27.333	0.00	0.06	0.159	0					2.55
27.417	0.00	0.06	0.159	0					2.55
27.500	0.00	0.06	0.158	0					2.54
27.583	0.00	0.06	0.158	0					2.54
27.667	0.00	0.06	0.157	0					2.54
27.750	0.00	0.06	0.157	0					2.53
27.833	0.00	0.06	0.157	0					2.53
27.917	0.00	0.06	0.156	0					2.52
28.000	0.00	0.06	0.156	0					2.52
28.083	0.00	0.06	0.155	0					2.51
28.167	0.00	0.06	0.155	0					2.51
28.250	0.00	0.06	0.155	0					2.50
28.333	0.00	0.06	0.154	0					2.50
28.417	0.00	0.06	0.154	0					2.49
28.500	0.00	0.06	0.154	0					2.49
28.583	0.00	0.06	0.153	0					2.48
28.667	0.00	0.06	0.153	0					2.48
28.750	0.00	0.06	0.152	0					2.48
28.833	0.00	0.06	0.152	0					2.47
28.917	0.00	0.06	0.152	0					2.47
29.000	0.00	0.06	0.151	0					2.46
29.083	0.00	0.06	0.151	0					2.46
29.167	0.00	0.05	0.151	0					2.45
29.250	0.00	0.05	0.150	0					2.45
29.333	0.00	0.05	0.150	0					2.44
29.417	0.00	0.05	0.149	0					2.44
29.500	0.00	0.05	0.149	0					2.43
29.583	0.00	0.05	0.149	0					2.43
29.667	0.00	0.05	0.148	0					2.43
29.750	0.00	0.05	0.148	0					2.42
29.833	0.00	0.05	0.148	0					2.42
29.917	0.00	0.05	0.147	0					2.41
30.000	0.00	0.05	0.147	0					2.41
30.083	0.00	0.05	0.146	0					2.40
30.167	0.00	0.05	0.146	0					2.40
30.250	0.00	0.05	0.146	0					2.39
30.333	0.00	0.05	0.145	0					2.39
30.417	0.00	0.05	0.145	0					2.38
30.500	0.00	0.05	0.145	0					2.38
30.583	0.00	0.05	0.144	0					2.38
30.667	0.00	0.05	0.144	0					2.37
30.750	0.00	0.05	0.143	0					2.37
30.833	0.00	0.05	0.143	0					2.36
30.917	0.00	0.05	0.143	0					2.36
31.000	0.00	0.05	0.142	0					2.35

31.083	0.00	0.05	0.142	0					2.35
31.167	0.00	0.05	0.142	0					2.34
31.250	0.00	0.05	0.141	0					2.34
31.333	0.00	0.05	0.141	0					2.34
31.417	0.00	0.05	0.140	0					2.33
31.500	0.00	0.05	0.140	0					2.33
31.583	0.00	0.05	0.140	0					2.32
31.667	0.00	0.05	0.139	0					2.32
31.750	0.00	0.05	0.139	0					2.31
31.833	0.00	0.05	0.139	0					2.31
31.917	0.00	0.05	0.138	0					2.30
32.000	0.00	0.05	0.138	0					2.30
32.083	0.00	0.05	0.137	0					2.30
32.167	0.00	0.05	0.137	0					2.29
32.250	0.00	0.05	0.137	0					2.29
32.333	0.00	0.05	0.136	0					2.28
32.417	0.00	0.05	0.136	0					2.28
32.500	0.00	0.05	0.136	0					2.27
32.583	0.00	0.05	0.135	0					2.27
32.667	0.00	0.05	0.135	0					2.26
32.750	0.00	0.05	0.135	0					2.26
32.833	0.00	0.05	0.134	0					2.26
32.917	0.00	0.05	0.134	0					2.25
33.000	0.00	0.05	0.133	0					2.25
33.083	0.00	0.05	0.133	0					2.24
33.167	0.00	0.05	0.133	0					2.24
33.250	0.00	0.05	0.132	0					2.23
33.333	0.00	0.05	0.132	0					2.23
33.417	0.00	0.05	0.132	0					2.22
33.500	0.00	0.05	0.131	0					2.22
33.583	0.00	0.05	0.131	0					2.22
33.667	0.00	0.05	0.131	0					2.21
33.750	0.00	0.05	0.130	0					2.21
33.833	0.00	0.05	0.130	0					2.20
33.917	0.00	0.05	0.130	0					2.20
34.000	0.00	0.05	0.129	0					2.19
34.083	0.00	0.05	0.129	0					2.19
34.167	0.00	0.05	0.128	0					2.19
34.250	0.00	0.05	0.128	0					2.18
34.333	0.00	0.05	0.128	0					2.18
34.417	0.00	0.05	0.127	0					2.17
34.500	0.00	0.05	0.127	0					2.17
34.583	0.00	0.05	0.127	0					2.16
34.667	0.00	0.05	0.126	0					2.16
34.750	0.00	0.05	0.126	0					2.16
34.833	0.00	0.05	0.126	0					2.15
34.917	0.00	0.05	0.125	0					2.15
35.000	0.00	0.05	0.125	0					2.14
35.083	0.00	0.05	0.125	0					2.14
35.167	0.00	0.05	0.124	0					2.13

35.250	0.00	0.05	0.124	0					2.13
35.333	0.00	0.05	0.123	0					2.13
35.417	0.00	0.05	0.123	0					2.12
35.500	0.00	0.05	0.123	0					2.12
35.583	0.00	0.05	0.122	0					2.11
35.667	0.00	0.05	0.122	0					2.11
35.750	0.00	0.05	0.122	0					2.10
35.833	0.00	0.05	0.121	0					2.10
35.917	0.00	0.05	0.121	0					2.10
36.000	0.00	0.05	0.121	0					2.09
36.083	0.00	0.05	0.120	0					2.09
36.167	0.00	0.05	0.120	0					2.08
36.250	0.00	0.05	0.120	0					2.08
36.333	0.00	0.05	0.119	0					2.08
36.417	0.00	0.05	0.119	0					2.07
36.500	0.00	0.05	0.119	0					2.07
36.583	0.00	0.05	0.118	0					2.06
36.667	0.00	0.05	0.118	0					2.06
36.750	0.00	0.05	0.117	0					2.05
36.833	0.00	0.05	0.117	0					2.05
36.917	0.00	0.05	0.117	0					2.05
37.000	0.00	0.05	0.116	0					2.04
37.083	0.00	0.05	0.116	0					2.04
37.167	0.00	0.05	0.116	0					2.03
37.250	0.00	0.05	0.115	0					2.03
37.333	0.00	0.05	0.115	0					2.02
37.417	0.00	0.05	0.115	0					2.02
37.500	0.00	0.05	0.114	0					2.02
37.583	0.00	0.05	0.114	0					2.01
37.667	0.00	0.05	0.114	0					2.01
37.750	0.00	0.05	0.113	0					2.00
37.833	0.00	0.05	0.113	0					2.00
37.917	0.00	0.05	0.113	0					1.99
38.000	0.00	0.05	0.112	0					1.99
38.083	0.00	0.05	0.112	0					1.98
38.167	0.00	0.05	0.112	0					1.98
38.250	0.00	0.05	0.111	0					1.98
38.333	0.00	0.05	0.111	0					1.97
38.417	0.00	0.05	0.111	0					1.97
38.500	0.00	0.05	0.110	0					1.96
38.583	0.00	0.05	0.110	0					1.96
38.667	0.00	0.05	0.110	0					1.95
38.750	0.00	0.05	0.109	0					1.95
38.833	0.00	0.05	0.109	0					1.94
38.917	0.00	0.05	0.109	0					1.94
39.000	0.00	0.05	0.108	0					1.93
39.083	0.00	0.05	0.108	0					1.93
39.167	0.00	0.05	0.108	0					1.92
39.250	0.00	0.05	0.107	0					1.92
39.333	0.00	0.05	0.107	0					1.91

39.417	0.00	0.05	0.107	0					1.91
39.500	0.00	0.05	0.106	0					1.90
39.583	0.00	0.05	0.106	0					1.90
39.667	0.00	0.05	0.106	0					1.89
39.750	0.00	0.05	0.105	0					1.89
39.833	0.00	0.05	0.105	0					1.88
39.917	0.00	0.05	0.105	0					1.88
40.000	0.00	0.05	0.104	0					1.87
40.083	0.00	0.05	0.104	0					1.87
40.167	0.00	0.05	0.104	0					1.86
40.250	0.00	0.05	0.103	0					1.86
40.333	0.00	0.05	0.103	0					1.86
40.417	0.00	0.05	0.103	0					1.85
40.500	0.00	0.05	0.102	0					1.85
40.583	0.00	0.05	0.102	0					1.84
40.667	0.00	0.05	0.102	0					1.84
40.750	0.00	0.05	0.101	0					1.83
40.833	0.00	0.05	0.101	0					1.83
40.917	0.00	0.05	0.101	0					1.82
41.000	0.00	0.05	0.100	0					1.82
41.083	0.00	0.05	0.100	0					1.81
41.167	0.00	0.05	0.100	0					1.81
41.250	0.00	0.05	0.099	0					1.80
41.333	0.00	0.05	0.099	0					1.80
41.417	0.00	0.05	0.099	0					1.79
41.500	0.00	0.05	0.098	0					1.79
41.583	0.00	0.05	0.098	0					1.79
41.667	0.00	0.05	0.098	0					1.78
41.750	0.00	0.05	0.097	0					1.78
41.833	0.00	0.05	0.097	0					1.77
41.917	0.00	0.05	0.097	0					1.77
42.000	0.00	0.05	0.096	0					1.76
42.083	0.00	0.05	0.096	0					1.76
42.167	0.00	0.05	0.096	0					1.75
42.250	0.00	0.05	0.095	0					1.75
42.333	0.00	0.05	0.095	0					1.74
42.417	0.00	0.05	0.095	0					1.74
42.500	0.00	0.05	0.094	0					1.74
42.583	0.00	0.05	0.094	0					1.73
42.667	0.00	0.05	0.094	0					1.73
42.750	0.00	0.05	0.094	0					1.72
42.833	0.00	0.05	0.093	0					1.72
42.917	0.00	0.05	0.093	0					1.71
43.000	0.00	0.05	0.093	0					1.71
43.083	0.00	0.05	0.092	0					1.70
43.167	0.00	0.05	0.092	0					1.70
43.250	0.00	0.05	0.092	0					1.69
43.333	0.00	0.05	0.091	0					1.69
43.417	0.00	0.05	0.091	0					1.69
43.500	0.00	0.05	0.091	0					1.68

43.583	0.00	0.05	0.090	0					1.68
43.667	0.00	0.05	0.090	0					1.67
43.750	0.00	0.05	0.090	0					1.67
43.833	0.00	0.04	0.089	0					1.66
43.917	0.00	0.04	0.089	0					1.66
44.000	0.00	0.04	0.089	0					1.65
44.083	0.00	0.04	0.089	0					1.65
44.167	0.00	0.04	0.088	0					1.65
44.250	0.00	0.04	0.088	0					1.64
44.333	0.00	0.04	0.088	0					1.64
44.417	0.00	0.04	0.087	0					1.63
44.500	0.00	0.04	0.087	0					1.63
44.583	0.00	0.04	0.087	0					1.62
44.667	0.00	0.04	0.086	0					1.62
44.750	0.00	0.04	0.086	0					1.62
44.833	0.00	0.04	0.086	0					1.61
44.917	0.00	0.04	0.085	0					1.61
45.000	0.00	0.04	0.085	0					1.60
45.083	0.00	0.04	0.085	0					1.60
45.167	0.00	0.04	0.085	0					1.59
45.250	0.00	0.04	0.084	0					1.59
45.333	0.00	0.04	0.084	0					1.59
45.417	0.00	0.04	0.084	0					1.58
45.500	0.00	0.04	0.083	0					1.58
45.583	0.00	0.04	0.083	0					1.57
45.667	0.00	0.04	0.083	0					1.57
45.750	0.00	0.04	0.082	0					1.56
45.833	0.00	0.04	0.082	0					1.56
45.917	0.00	0.04	0.082	0					1.56
46.000	0.00	0.04	0.082	0					1.55
46.083	0.00	0.04	0.081	0					1.55
46.167	0.00	0.04	0.081	0					1.54
46.250	0.00	0.04	0.081	0					1.54
46.333	0.00	0.04	0.080	0					1.53
46.417	0.00	0.04	0.080	0					1.53
46.500	0.00	0.04	0.080	0					1.53
46.583	0.00	0.04	0.079	0					1.52
46.667	0.00	0.04	0.079	0					1.52
46.750	0.00	0.04	0.079	0					1.51
46.833	0.00	0.04	0.079	0					1.51
46.917	0.00	0.04	0.078	0					1.50
47.000	0.00	0.04	0.078	0					1.50
47.083	0.00	0.04	0.078	0					1.50
47.167	0.00	0.04	0.077	0					1.49
47.250	0.00	0.04	0.077	0					1.49
47.333	0.00	0.04	0.077	0					1.48
47.417	0.00	0.04	0.077	0					1.48
47.500	0.00	0.04	0.076	0					1.48
47.583	0.00	0.04	0.076	0					1.47
47.667	0.00	0.04	0.076	0					1.47

47.750	0.00	0.04	0.075	0					1.46
47.833	0.00	0.04	0.075	0					1.46
47.917	0.00	0.04	0.075	0					1.45
48.000	0.00	0.04	0.075	0					1.45
48.083	0.00	0.04	0.074	0					1.45
48.167	0.00	0.04	0.074	0					1.44
48.250	0.00	0.04	0.074	0					1.44
48.333	0.00	0.04	0.073	0					1.43
48.417	0.00	0.04	0.073	0					1.43
48.500	0.00	0.04	0.073	0					1.43
48.583	0.00	0.04	0.073	0					1.42
48.667	0.00	0.04	0.072	0					1.42
48.750	0.00	0.04	0.072	0					1.41
48.833	0.00	0.04	0.072	0					1.41
48.917	0.00	0.04	0.071	0					1.41
49.000	0.00	0.04	0.071	0					1.40
49.083	0.00	0.04	0.071	0					1.40
49.167	0.00	0.04	0.071	0					1.39
49.250	0.00	0.04	0.070	0					1.39
49.333	0.00	0.04	0.070	0					1.39
49.417	0.00	0.04	0.070	0					1.38
49.500	0.00	0.04	0.069	0					1.38
49.583	0.00	0.04	0.069	0					1.37
49.667	0.00	0.04	0.069	0					1.37
49.750	0.00	0.04	0.069	0					1.37
49.833	0.00	0.04	0.068	0					1.36
49.917	0.00	0.04	0.068	0					1.36
50.000	0.00	0.04	0.068	0					1.35
50.083	0.00	0.04	0.067	0					1.35
50.167	0.00	0.04	0.067	0					1.35
50.250	0.00	0.04	0.067	0					1.34
50.333	0.00	0.04	0.067	0					1.34
50.417	0.00	0.04	0.066	0					1.33
50.500	0.00	0.04	0.066	0					1.33
50.583	0.00	0.04	0.066	0					1.33
50.667	0.00	0.04	0.066	0					1.32
50.750	0.00	0.04	0.065	0					1.32
50.833	0.00	0.04	0.065	0					1.31
50.917	0.00	0.04	0.065	0					1.31
51.000	0.00	0.04	0.064	0					1.31
51.083	0.00	0.04	0.064	0					1.30
51.167	0.00	0.04	0.064	0					1.30
51.250	0.00	0.04	0.064	0					1.29
51.333	0.00	0.04	0.063	0					1.29
51.417	0.00	0.04	0.063	0					1.29
51.500	0.00	0.04	0.063	0					1.28
51.583	0.00	0.04	0.063	0					1.28
51.667	0.00	0.04	0.062	0					1.28
51.750	0.00	0.04	0.062	0					1.27
51.833	0.00	0.04	0.062	0					1.27

51.917	0.00	0.04	0.061	0					1.26
52.000	0.00	0.04	0.061	0					1.26
52.083	0.00	0.04	0.061	0					1.26
52.167	0.00	0.04	0.061	0					1.25
52.250	0.00	0.04	0.060	0					1.25
52.333	0.00	0.04	0.060	0					1.24
52.417	0.00	0.04	0.060	0					1.24
52.500	0.00	0.04	0.060	0					1.24
52.583	0.00	0.04	0.059	0					1.23
52.667	0.00	0.04	0.059	0					1.23
52.750	0.00	0.04	0.059	0					1.23
52.833	0.00	0.04	0.059	0					1.22
52.917	0.00	0.04	0.058	0					1.22
53.000	0.00	0.04	0.058	0					1.21
53.083	0.00	0.04	0.058	0					1.21
53.167	0.00	0.04	0.057	0					1.21
53.250	0.00	0.04	0.057	0					1.20
53.333	0.00	0.04	0.057	0					1.20
53.417	0.00	0.04	0.057	0					1.20
53.500	0.00	0.04	0.056	0					1.19
53.583	0.00	0.04	0.056	0					1.19
53.667	0.00	0.04	0.056	0					1.18
53.750	0.00	0.04	0.056	0					1.18
53.833	0.00	0.04	0.055	0					1.18
53.917	0.00	0.04	0.055	0					1.17
54.000	0.00	0.04	0.055	0					1.17
54.083	0.00	0.04	0.055	0					1.17
54.167	0.00	0.04	0.054	0					1.16
54.250	0.00	0.04	0.054	0					1.16
54.333	0.00	0.04	0.054	0					1.16
54.417	0.00	0.04	0.054	0					1.15
54.500	0.00	0.04	0.053	0					1.15
54.583	0.00	0.04	0.053	0					1.14
54.667	0.00	0.04	0.053	0					1.14
54.750	0.00	0.04	0.053	0					1.14
54.833	0.00	0.04	0.052	0					1.13
54.917	0.00	0.04	0.052	0					1.13
55.000	0.00	0.04	0.052	0					1.13
55.083	0.00	0.04	0.052	0					1.12
55.167	0.00	0.04	0.051	0					1.12
55.250	0.00	0.04	0.051	0					1.12
55.333	0.00	0.04	0.051	0					1.11
55.417	0.00	0.04	0.051	0					1.11
55.500	0.00	0.04	0.050	0					1.10
55.583	0.00	0.04	0.050	0					1.10
55.667	0.00	0.04	0.050	0					1.10
55.750	0.00	0.04	0.050	0					1.09
55.833	0.00	0.04	0.049	0					1.09
55.917	0.00	0.04	0.049	0					1.09
56.000	0.00	0.04	0.049	0					1.08

56.083	0.00	0.04	0.049	0					1.08
56.167	0.00	0.04	0.048	0					1.08
56.250	0.00	0.04	0.048	0					1.07
56.333	0.00	0.04	0.048	0					1.07
56.417	0.00	0.04	0.048	0					1.06
56.500	0.00	0.04	0.047	0					1.06
56.583	0.00	0.04	0.047	0					1.06
56.667	0.00	0.04	0.047	0					1.05
56.750	0.00	0.04	0.047	0					1.05
56.833	0.00	0.04	0.046	0					1.05
56.917	0.00	0.04	0.046	0					1.04
57.000	0.00	0.04	0.046	0					1.04
57.083	0.00	0.04	0.046	0					1.04
57.167	0.00	0.04	0.045	0					1.03
57.250	0.00	0.04	0.045	0					1.03
57.333	0.00	0.04	0.045	0					1.03
57.417	0.00	0.04	0.045	0					1.02
57.500	0.00	0.04	0.044	0					1.02
57.583	0.00	0.04	0.044	0					1.02
57.667	0.00	0.04	0.044	0					1.01
57.750	0.00	0.04	0.044	0					1.01
57.833	0.00	0.04	0.043	0					1.01
57.917	0.00	0.04	0.043	0					1.00
58.000	0.00	0.03	0.043	0					1.00
58.083	0.00	0.03	0.043	0					0.99
58.167	0.00	0.03	0.042	0					0.99
58.250	0.00	0.03	0.042	0					0.98
58.333	0.00	0.03	0.042	0					0.98
58.417	0.00	0.03	0.042	0					0.97
58.500	0.00	0.03	0.041	0					0.97
58.583	0.00	0.03	0.041	0					0.96
58.667	0.00	0.03	0.041	0					0.96
58.750	0.00	0.03	0.041	0					0.95
58.833	0.00	0.03	0.041	0					0.95
58.917	0.00	0.03	0.040	0					0.94
59.000	0.00	0.03	0.040	0					0.94
59.083	0.00	0.03	0.040	0					0.93
59.167	0.00	0.03	0.040	0					0.93
59.250	0.00	0.03	0.039	0					0.92
59.333	0.00	0.03	0.039	0					0.92
59.417	0.00	0.03	0.039	0					0.91
59.500	0.00	0.03	0.039	0					0.91
59.583	0.00	0.03	0.039	0					0.90
59.667	0.00	0.03	0.038	0					0.90
59.750	0.00	0.03	0.038	0					0.89
59.833	0.00	0.03	0.038	0					0.89
59.917	0.00	0.03	0.038	0					0.88
60.000	0.00	0.03	0.037	0					0.88
60.083	0.00	0.03	0.037	0					0.87
60.167	0.00	0.03	0.037	0					0.87

60.250	0.00	0.03	0.037	0					0.86
60.333	0.00	0.03	0.037	0					0.86
60.417	0.00	0.03	0.036	0					0.85
60.500	0.00	0.03	0.036	0					0.85
60.583	0.00	0.03	0.036	0					0.85
60.667	0.00	0.03	0.036	0					0.84
60.750	0.00	0.03	0.036	0					0.84
60.833	0.00	0.03	0.035	0					0.83
60.917	0.00	0.03	0.035	0					0.83
61.000	0.00	0.03	0.035	0					0.82
61.083	0.00	0.03	0.035	0					0.82
61.167	0.00	0.03	0.035	0					0.81
61.250	0.00	0.03	0.034	0					0.81
61.333	0.00	0.03	0.034	0					0.80
61.417	0.00	0.03	0.034	0					0.80
61.500	0.00	0.03	0.034	0					0.80
61.583	0.00	0.03	0.034	0					0.79
61.667	0.00	0.03	0.033	0					0.79
61.750	0.00	0.03	0.033	0					0.78
61.833	0.00	0.03	0.033	0					0.78
61.917	0.00	0.03	0.033	0					0.77
62.000	0.00	0.03	0.033	0					0.77
62.083	0.00	0.03	0.032	0					0.77
62.167	0.00	0.03	0.032	0					0.76
62.250	0.00	0.03	0.032	0					0.76
62.333	0.00	0.03	0.032	0					0.75
62.417	0.00	0.03	0.032	0					0.75
62.500	0.00	0.03	0.031	0					0.74
62.583	0.00	0.03	0.031	0					0.74
62.667	0.00	0.03	0.031	0					0.74
62.750	0.00	0.03	0.031	0					0.73
62.833	0.00	0.03	0.031	0					0.73
62.917	0.00	0.03	0.030	0					0.72
63.000	0.00	0.03	0.030	0					0.72
63.083	0.00	0.03	0.030	0					0.72
63.167	0.00	0.03	0.030	0					0.71
63.250	0.00	0.03	0.030	0					0.71
63.333	0.00	0.03	0.030	0					0.70
63.417	0.00	0.03	0.029	0					0.70
63.500	0.00	0.03	0.029	0					0.70
63.583	0.00	0.03	0.029	0					0.69
63.667	0.00	0.03	0.029	0					0.69
63.750	0.00	0.03	0.029	0					0.69
63.833	0.00	0.03	0.028	0					0.68
63.917	0.00	0.03	0.028	0					0.68
64.000	0.00	0.03	0.028	0					0.67
64.083	0.00	0.03	0.028	0					0.67
64.167	0.00	0.02	0.028	0					0.67
64.250	0.00	0.02	0.028	0					0.66
64.333	0.00	0.02	0.027	0					0.66

64.417	0.00	0.02	0.027	0					0.65
64.500	0.00	0.02	0.027	0					0.65
64.583	0.00	0.02	0.027	0					0.65
64.667	0.00	0.02	0.027	0					0.64
64.750	0.00	0.02	0.027	0					0.64
64.833	0.00	0.02	0.026	0					0.64
64.917	0.00	0.02	0.026	0					0.63
65.000	0.00	0.02	0.026	0					0.63
65.083	0.00	0.02	0.026	0					0.63
65.167	0.00	0.02	0.026	0					0.62
65.250	0.00	0.02	0.026	0					0.62
65.333	0.00	0.02	0.025	0					0.61
65.417	0.00	0.02	0.025	0					0.61
65.500	0.00	0.02	0.025	0					0.61
65.583	0.00	0.02	0.025	0					0.60
65.667	0.00	0.02	0.025	0					0.60
65.750	0.00	0.02	0.025	0					0.60
65.833	0.00	0.02	0.024	0					0.59
65.917	0.00	0.02	0.024	0					0.59
66.000	0.00	0.02	0.024	0					0.59
66.083	0.00	0.02	0.024	0					0.58
66.167	0.00	0.02	0.024	0					0.58
66.250	0.00	0.02	0.024	0					0.58
66.333	0.00	0.02	0.024	0					0.57
66.417	0.00	0.02	0.023	0					0.57
66.500	0.00	0.02	0.023	0					0.57
66.583	0.00	0.02	0.023	0					0.56
66.667	0.00	0.02	0.023	0					0.56
66.750	0.00	0.02	0.023	0					0.56
66.833	0.00	0.02	0.023	0					0.55
66.917	0.00	0.02	0.023	0					0.55
67.000	0.00	0.02	0.022	0					0.55
67.083	0.00	0.02	0.022	0					0.54
67.167	0.00	0.02	0.022	0					0.54
67.250	0.00	0.02	0.022	0					0.54
67.333	0.00	0.02	0.022	0					0.53
67.417	0.00	0.02	0.022	0					0.53
67.500	0.00	0.02	0.021	0					0.53
67.583	0.00	0.02	0.021	0					0.52
67.667	0.00	0.02	0.021	0					0.52
67.750	0.00	0.02	0.021	0					0.52
67.833	0.00	0.02	0.021	0					0.52
67.917	0.00	0.02	0.021	0					0.51
68.000	0.00	0.02	0.021	0					0.51
68.083	0.00	0.02	0.020	0					0.51
68.167	0.00	0.02	0.020	0					0.50
68.250	0.00	0.02	0.020	0					0.50
68.333	0.00	0.02	0.020	0					0.50
68.417	0.00	0.02	0.020	0					0.49
68.500	0.00	0.02	0.020	0					0.49

68.583	0.00	0.02	0.020	0					0.49
68.667	0.00	0.02	0.020	0					0.49
68.750	0.00	0.02	0.019	0					0.48
68.833	0.00	0.02	0.019	0					0.48
68.917	0.00	0.02	0.019	0					0.48
69.000	0.00	0.02	0.019	0					0.47
69.083	0.00	0.02	0.019	0					0.47
69.167	0.00	0.02	0.019	0					0.47
69.250	0.00	0.02	0.019	0					0.46
69.333	0.00	0.02	0.018	0					0.46
69.417	0.00	0.02	0.018	0					0.46
69.500	0.00	0.02	0.018	0					0.46
69.583	0.00	0.02	0.018	0					0.45
69.667	0.00	0.02	0.018	0					0.45
69.750	0.00	0.02	0.018	0					0.45
69.833	0.00	0.02	0.018	0					0.44
69.917	0.00	0.02	0.018	0					0.44
70.000	0.00	0.02	0.017	0					0.44
70.083	0.00	0.02	0.017	0					0.44
70.167	0.00	0.02	0.017	0					0.43
70.250	0.00	0.02	0.017	0					0.43
70.333	0.00	0.02	0.017	0					0.43
70.417	0.00	0.02	0.017	0					0.43
70.500	0.00	0.02	0.017	0					0.42
70.583	0.00	0.02	0.017	0					0.42
70.667	0.00	0.02	0.016	0					0.42
70.750	0.00	0.02	0.016	0					0.42
70.833	0.00	0.02	0.016	0					0.41
70.917	0.00	0.02	0.016	0					0.41
71.000	0.00	0.02	0.016	0					0.41
71.083	0.00	0.02	0.016	0					0.40
71.167	0.00	0.02	0.016	0					0.40
71.250	0.00	0.02	0.016	0					0.40
71.333	0.00	0.02	0.016	0					0.40
71.417	0.00	0.02	0.015	0					0.39
71.500	0.00	0.02	0.015	0					0.39
71.583	0.00	0.02	0.015	0					0.39
71.667	0.00	0.02	0.015	0					0.39
71.750	0.00	0.02	0.015	0					0.38
71.833	0.00	0.02	0.015	0					0.38
71.917	0.00	0.02	0.015	0					0.38
72.000	0.00	0.02	0.015	0					0.38
72.083	0.00	0.02	0.015	0					0.37
72.167	0.00	0.02	0.014	0					0.37
72.250	0.00	0.02	0.014	0					0.37
72.333	0.00	0.02	0.014	0					0.37
72.417	0.00	0.02	0.014	0					0.36
72.500	0.00	0.02	0.014	0					0.36
72.583	0.00	0.02	0.014	0					0.36
72.667	0.00	0.02	0.014	0					0.36

72.750	0.00	0.02	0.014	0					0.36
72.833	0.00	0.02	0.014	0					0.35
72.917	0.00	0.02	0.013	0					0.35
73.000	0.00	0.02	0.013	0					0.35
73.083	0.00	0.02	0.013	0					0.35
73.167	0.00	0.02	0.013	0					0.34
73.250	0.00	0.02	0.013	0					0.34
73.333	0.00	0.02	0.013	0					0.34
73.417	0.00	0.02	0.013	0					0.34
73.500	0.00	0.02	0.013	0					0.33
73.583	0.00	0.01	0.013	0					0.33
73.667	0.00	0.01	0.012	0					0.33
73.750	0.00	0.01	0.012	0					0.33
73.833	0.00	0.01	0.012	0					0.33
73.917	0.00	0.01	0.012	0					0.32
74.000	0.00	0.01	0.012	0					0.32
74.083	0.00	0.01	0.012	0					0.32
74.167	0.00	0.01	0.012	0					0.32
74.250	0.00	0.01	0.012	0					0.31
74.333	0.00	0.01	0.012	0					0.31
74.417	0.00	0.01	0.012	0					0.31
74.500	0.00	0.01	0.011	0					0.31
74.583	0.00	0.01	0.011	0					0.31
74.667	0.00	0.01	0.011	0					0.30
74.750	0.00	0.01	0.011	0					0.30
74.833	0.00	0.01	0.011	0					0.30
74.917	0.00	0.01	0.011	0					0.30
75.000	0.00	0.01	0.011	0					0.30
75.083	0.00	0.01	0.011	0					0.29
75.167	0.00	0.01	0.011	0					0.29
75.250	0.00	0.01	0.011	0					0.29
75.333	0.00	0.01	0.011	0					0.29
75.417	0.00	0.01	0.010	0					0.28
75.500	0.00	0.01	0.010	0					0.28
75.583	0.00	0.01	0.010	0					0.28
75.667	0.00	0.01	0.010	0					0.28
75.750	0.00	0.01	0.010	0					0.28
75.833	0.00	0.01	0.010	0					0.27
75.917	0.00	0.01	0.010	0					0.27
76.000	0.00	0.01	0.010	0					0.27
76.083	0.00	0.01	0.010	0					0.27
76.167	0.00	0.01	0.010	0					0.27
76.250	0.00	0.01	0.010	0					0.26
76.333	0.00	0.01	0.009	0					0.26
76.417	0.00	0.01	0.009	0					0.26
76.500	0.00	0.01	0.009	0					0.26
76.583	0.00	0.01	0.009	0					0.26
76.667	0.00	0.01	0.009	0					0.26
76.750	0.00	0.01	0.009	0					0.25
76.833	0.00	0.01	0.009	0					0.25

76.917	0.00	0.01	0.009	0					0.25
77.000	0.00	0.01	0.009	0					0.25
77.083	0.00	0.01	0.009	0					0.25
77.167	0.00	0.01	0.009	0					0.24
77.250	0.00	0.01	0.008	0					0.24
77.333	0.00	0.01	0.008	0					0.24
77.417	0.00	0.01	0.008	0					0.24
77.500	0.00	0.01	0.008	0					0.24
77.583	0.00	0.01	0.008	0					0.23
77.667	0.00	0.01	0.008	0					0.23
77.750	0.00	0.01	0.008	0					0.23
77.833	0.00	0.01	0.008	0					0.23
77.917	0.00	0.01	0.008	0					0.23
78.000	0.00	0.01	0.008	0					0.23
78.083	0.00	0.01	0.008	0					0.22
78.167	0.00	0.01	0.008	0					0.22
78.250	0.00	0.01	0.007	0					0.22
78.333	0.00	0.01	0.007	0					0.22
78.417	0.00	0.01	0.007	0					0.22
78.500	0.00	0.01	0.007	0					0.21
78.583	0.00	0.01	0.007	0					0.21
78.667	0.00	0.01	0.007	0					0.21
78.750	0.00	0.01	0.007	0					0.21
78.833	0.00	0.01	0.007	0					0.21
78.917	0.00	0.01	0.007	0					0.21
79.000	0.00	0.01	0.007	0					0.20
79.083	0.00	0.01	0.007	0					0.20
79.167	0.00	0.01	0.007	0					0.20
79.250	0.00	0.01	0.007	0					0.20
79.333	0.00	0.01	0.006	0					0.20
79.417	0.00	0.01	0.006	0					0.20
79.500	0.00	0.01	0.006	0					0.19
79.583	0.00	0.01	0.006	0					0.19
79.667	0.00	0.01	0.006	0					0.19
79.750	0.00	0.01	0.006	0					0.19
79.833	0.00	0.01	0.006	0					0.19
79.917	0.00	0.01	0.006	0					0.19
80.000	0.00	0.01	0.006	0					0.19
80.083	0.00	0.01	0.006	0					0.18
80.167	0.00	0.01	0.006	0					0.18
80.250	0.00	0.01	0.006	0					0.18
80.333	0.00	0.01	0.006	0					0.18
80.417	0.00	0.01	0.006	0					0.18
80.500	0.00	0.01	0.005	0					0.18
80.583	0.00	0.01	0.005	0					0.17
80.667	0.00	0.01	0.005	0					0.17
80.750	0.00	0.01	0.005	0					0.17
80.833	0.00	0.01	0.005	0					0.17
80.917	0.00	0.01	0.005	0					0.17
81.000	0.00	0.01	0.005	0					0.17

81.083	0.00	0.01	0.005	0					0.16
81.167	0.00	0.01	0.005	0					0.16
81.250	0.00	0.01	0.005	0					0.16
81.333	0.00	0.01	0.005	0					0.16
81.417	0.00	0.01	0.005	0					0.16
81.500	0.00	0.01	0.005	0					0.16
81.583	0.00	0.01	0.005	0					0.16
81.667	0.00	0.01	0.004	0					0.15
81.750	0.00	0.01	0.004	0					0.15
81.833	0.00	0.01	0.004	0					0.15
81.917	0.00	0.01	0.004	0					0.15
82.000	0.00	0.01	0.004	0					0.15
82.083	0.00	0.01	0.004	0					0.15
82.167	0.00	0.01	0.004	0					0.15
82.250	0.00	0.01	0.004	0					0.14
82.333	0.00	0.01	0.004	0					0.14
82.417	0.00	0.01	0.004	0					0.14
82.500	0.00	0.01	0.004	0					0.14
82.583	0.00	0.01	0.004	0					0.14
82.667	0.00	0.01	0.004	0					0.14
82.750	0.00	0.01	0.004	0					0.14
82.833	0.00	0.01	0.004	0					0.13
82.917	0.00	0.01	0.004	0					0.13
83.000	0.00	0.01	0.003	0					0.13
83.083	0.00	0.01	0.003	0					0.13
83.167	0.00	0.01	0.003	0					0.13
83.250	0.00	0.01	0.003	0					0.13
83.333	0.00	0.01	0.003	0					0.13
83.417	0.00	0.01	0.003	0					0.13
83.500	0.00	0.01	0.003	0					0.12
83.583	0.00	0.01	0.003	0					0.12
83.667	0.00	0.01	0.003	0					0.12
83.750	0.00	0.01	0.003	0					0.12
83.833	0.00	0.01	0.003	0					0.12
83.917	0.00	0.01	0.003	0					0.12
84.000	0.00	0.01	0.003	0					0.12
84.083	0.00	0.01	0.003	0					0.11
84.167	0.00	0.01	0.003	0					0.11
84.250	0.00	0.01	0.003	0					0.11
84.333	0.00	0.01	0.003	0					0.11
84.417	0.00	0.01	0.002	0					0.11
84.500	0.00	0.01	0.002	0					0.11
84.583	0.00	0.01	0.002	0					0.11
84.667	0.00	0.01	0.002	0					0.11
84.750	0.00	0.01	0.002	0					0.10
84.833	0.00	0.01	0.002	0					0.10
84.917	0.00	0.01	0.002	0					0.10
85.000	0.00	0.01	0.002	0					0.10
85.083	0.00	0.01	0.002	0					0.10
85.167	0.00	0.01	0.002	0					0.10

85.250	0.00	0.01	0.002	0					0.09
85.333	0.00	0.01	0.002	0					0.09
85.417	0.00	0.01	0.002	0					0.09
85.500	0.00	0.01	0.002	0					0.09
85.583	0.00	0.01	0.002	0					0.08
85.667	0.00	0.01	0.002	0					0.08
85.750	0.00	0.01	0.002	0					0.08
85.833	0.00	0.01	0.002	0					0.08
85.917	0.00	0.01	0.002	0					0.08
86.000	0.00	0.01	0.001	0					0.07
86.083	0.00	0.01	0.001	0					0.07
86.167	0.00	0.01	0.001	0					0.07
86.250	0.00	0.01	0.001	0					0.07
86.333	0.00	0.01	0.001	0					0.07
86.417	0.00	0.01	0.001	0					0.06
86.500	0.00	0.01	0.001	0					0.06
86.583	0.00	0.00	0.001	0					0.06
86.667	0.00	0.00	0.001	0					0.06
86.750	0.00	0.00	0.001	0					0.06
86.833	0.00	0.00	0.001	0					0.06
86.917	0.00	0.00	0.001	0					0.05
87.000	0.00	0.00	0.001	0					0.05
87.083	0.00	0.00	0.001	0					0.05
87.167	0.00	0.00	0.001	0					0.05
87.250	0.00	0.00	0.001	0					0.05
87.333	0.00	0.00	0.001	0					0.05
87.417	0.00	0.00	0.001	0					0.05
87.500	0.00	0.00	0.001	0					0.05
87.583	0.00	0.00	0.001	0					0.04
87.667	0.00	0.00	0.001	0					0.04
87.750	0.00	0.00	0.001	0					0.04
87.833	0.00	0.00	0.001	0					0.04
87.917	0.00	0.00	0.001	0					0.04
88.000	0.00	0.00	0.001	0					0.04
88.083	0.00	0.00	0.001	0					0.04
88.167	0.00	0.00	0.001	0					0.04
88.250	0.00	0.00	0.001	0					0.04
88.333	0.00	0.00	0.001	0					0.03
88.417	0.00	0.00	0.001	0					0.03
88.500	0.00	0.00	0.001	0					0.03
88.583	0.00	0.00	0.001	0					0.03
88.667	0.00	0.00	0.001	0					0.03
88.750	0.00	0.00	0.001	0					0.03
88.833	0.00	0.00	0.001	0					0.03
88.917	0.00	0.00	0.001	0					0.03
89.000	0.00	0.00	0.001	0					0.03
89.083	0.00	0.00	0.001	0					0.03
89.167	0.00	0.00	0.001	0					0.03
89.250	0.00	0.00	0.001	0					0.03
89.333	0.00	0.00	0.000	0					0.02

89.417	0.00	0.00	0.000	0					0.02
89.500	0.00	0.00	0.000	0					0.02
89.583	0.00	0.00	0.000	0					0.02
89.667	0.00	0.00	0.000	0					0.02
89.750	0.00	0.00	0.000	0					0.02
89.833	0.00	0.00	0.000	0					0.02
89.917	0.00	0.00	0.000	0					0.02
90.000	0.00	0.00	0.000	0					0.02
90.083	0.00	0.00	0.000	0					0.02
90.167	0.00	0.00	0.000	0					0.02
90.250	0.00	0.00	0.000	0					0.02
90.333	0.00	0.00	0.000	0					0.02
90.417	0.00	0.00	0.000	0					0.02
90.500	0.00	0.00	0.000	0					0.02
90.583	0.00	0.00	0.000	0					0.02
90.667	0.00	0.00	0.000	0					0.02
90.750	0.00	0.00	0.000	0					0.02
90.833	0.00	0.00	0.000	0					0.01
90.917	0.00	0.00	0.000	0					0.01
91.000	0.00	0.00	0.000	0					0.01
91.083	0.00	0.00	0.000	0					0.01
91.167	0.00	0.00	0.000	0					0.01
91.250	0.00	0.00	0.000	0					0.01
91.333	0.00	0.00	0.000	0					0.01
91.417	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1097

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.072 (CFS)

Total volume = 0.302 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
10 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da32410.rte
*****HYDROGRAPH DATA*****
Number of intervals = 289
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.013 (CFS)
Total volume = 0.582 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 289
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.3	0.51	0.76	1.01	Depth (Ft.)
0.083	0.04	0.00	0.000	OI					0.01
0.167	0.06	0.00	0.000	OI					0.02
0.250	0.06	0.00	0.001	OI					0.04
0.333	0.07	0.00	0.001	O I					0.06
0.417	0.08	0.01	0.002	O I					0.09
0.500	0.08	0.01	0.002	O I					0.11
0.583	0.08	0.01	0.003	O I					0.12
0.667	0.08	0.01	0.003	O I					0.13
0.750	0.08	0.01	0.004	O I					0.14
0.833	0.10	0.01	0.004	O I					0.15
0.917	0.11	0.01	0.005	O I					0.17
1.000	0.11	0.01	0.006	O I					0.18
1.083	0.09	0.01	0.006	O I					0.20
1.167	0.08	0.01	0.007	O I					0.21
1.250	0.08	0.01	0.007	O I					0.22
1.333	0.08	0.01	0.008	O I					0.23
1.417	0.08	0.01	0.008	O I					0.24
1.500	0.08	0.01	0.009	O I					0.25
1.583	0.08	0.01	0.009	O I					0.26
1.667	0.08	0.01	0.010	O I					0.27
1.750	0.08	0.01	0.010	O I					0.28
1.833	0.10	0.01	0.011	O I					0.30

1.917	0.11	0.01	0.012	0	I					0.31
2.000	0.11	0.01	0.012	0	I					0.33
2.083	0.11	0.02	0.013	0	I					0.34
2.167	0.11	0.02	0.014	0	I					0.36
2.250	0.11	0.02	0.014	0	I					0.37
2.333	0.11	0.02	0.015	0	I					0.38
2.417	0.11	0.02	0.016	0	I					0.40
2.500	0.11	0.02	0.016	0	I					0.41
2.583	0.13	0.02	0.017	0	I					0.43
2.667	0.14	0.02	0.018	0	I					0.45
2.750	0.14	0.02	0.019	0	I					0.46
2.833	0.14	0.02	0.019	0	I					0.48
2.917	0.14	0.02	0.020	0	I					0.50
3.000	0.14	0.02	0.021	0	I					0.52
3.083	0.14	0.02	0.022	0	I					0.54
3.167	0.14	0.02	0.023	0	I					0.56
3.250	0.14	0.02	0.024	0	I					0.57
3.333	0.14	0.02	0.024	0	I					0.59
3.417	0.14	0.02	0.025	0	I					0.61
3.500	0.14	0.02	0.026	0	I					0.63
3.583	0.14	0.02	0.027	0	I					0.64
3.667	0.14	0.02	0.028	0	I					0.66
3.750	0.14	0.03	0.028	0	I					0.68
3.833	0.16	0.03	0.029	0	I					0.70
3.917	0.17	0.03	0.030	0	I					0.72
4.000	0.17	0.03	0.031	0	I					0.74
4.083	0.17	0.03	0.032	0	I					0.76
4.167	0.17	0.03	0.033	0	I					0.78
4.250	0.17	0.03	0.034	0	I					0.80
4.333	0.19	0.03	0.035	0	I					0.83
4.417	0.20	0.03	0.036	0	I					0.85
4.500	0.20	0.03	0.037	0	I					0.88
4.583	0.20	0.03	0.038	0	I					0.90
4.667	0.20	0.03	0.040	0	I					0.93
4.750	0.20	0.03	0.041	0	I					0.95
4.833	0.22	0.03	0.042	0	I					0.98
4.917	0.22	0.04	0.043	0	I					1.00
5.000	0.22	0.04	0.044	0	I					1.02
5.083	0.19	0.04	0.046	0	I					1.04
5.167	0.17	0.04	0.047	0	I					1.05
5.250	0.17	0.04	0.048	0	I					1.07
5.333	0.19	0.04	0.049	0	I					1.08
5.417	0.20	0.04	0.050	0	I					1.09
5.500	0.20	0.04	0.051	0	I					1.11
5.583	0.22	0.04	0.052	0	I					1.13
5.667	0.22	0.04	0.053	0	I					1.14
5.750	0.22	0.04	0.054	0	I					1.16
5.833	0.22	0.04	0.056	0	I					1.18
5.917	0.22	0.04	0.057	0	I					1.20
6.000	0.22	0.04	0.058	0	I					1.22

6.083	0.24	0.04	0.060	0	I					1.24
6.167	0.25	0.04	0.061	0	I					1.26
6.250	0.25	0.04	0.063	0	I					1.28
6.333	0.25	0.04	0.064	0	I					1.30
6.417	0.25	0.04	0.065	0	I					1.32
6.500	0.25	0.04	0.067	0	I					1.34
6.583	0.27	0.04	0.068	0	I					1.36
6.667	0.28	0.04	0.070	0	I					1.39
6.750	0.28	0.04	0.072	0	I					1.41
6.833	0.28	0.04	0.073	0	I					1.43
6.917	0.28	0.04	0.075	0	I					1.46
7.000	0.28	0.04	0.077	0	I					1.48
7.083	0.28	0.04	0.078	0	I					1.50
7.167	0.28	0.04	0.080	0	I					1.53
7.250	0.28	0.04	0.082	0	I					1.55
7.333	0.30	0.04	0.083	0	I					1.58
7.417	0.31	0.04	0.085	0	I					1.60
7.500	0.31	0.04	0.087	0	I					1.63
7.583	0.33	0.04	0.089	0	I					1.65
7.667	0.34	0.05	0.091	0	I					1.68
7.750	0.34	0.05	0.093	0	I					1.71
7.833	0.36	0.05	0.095	0	I					1.74
7.917	0.36	0.05	0.097	0	I					1.77
8.000	0.36	0.05	0.099	0	I					1.80
8.083	0.40	0.05	0.102	0	I					1.84
8.167	0.42	0.05	0.104	0	I					1.87
8.250	0.42	0.05	0.107	0	I					1.91
8.333	0.42	0.05	0.109	0	I					1.95
8.417	0.42	0.05	0.112	0	I					1.98
8.500	0.42	0.05	0.114	0	I					2.02
8.583	0.44	0.05	0.117	0	I					2.05
8.667	0.45	0.05	0.120	0	I					2.08
8.750	0.45	0.05	0.122	0	I					2.11
8.833	0.47	0.05	0.125	0	I					2.15
8.917	0.48	0.05	0.128	0	I					2.18
9.000	0.48	0.05	0.131	0	I					2.22
9.083	0.51	0.05	0.134	0	I					2.25
9.167	0.53	0.05	0.137	0	I					2.29
9.250	0.53	0.05	0.141	0	I					2.33
9.333	0.55	0.05	0.144	0	I					2.37
9.417	0.56	0.05	0.147	0	I					2.41
9.500	0.56	0.06	0.151	0	I					2.46
9.583	0.58	0.06	0.154	0	I					2.50
9.667	0.59	0.06	0.158	0	I					2.54
9.750	0.59	0.06	0.162	0	I					2.59
9.833	0.61	0.06	0.165	0	I					2.63
9.917	0.62	0.06	0.169	0	I					2.68
10.000	0.62	0.06	0.173	0	I					2.73
10.083	0.49	0.06	0.177	0	I					2.77
10.167	0.42	0.06	0.179	0	I					2.80

10.250	0.42	0.06	0.182	0	I				2.83
10.333	0.42	0.06	0.184	0	I				2.86
10.417	0.42	0.06	0.187	0	I				2.89
10.500	0.42	0.06	0.189	0	I				2.92
10.583	0.51	0.06	0.192	0		I			2.95
10.667	0.56	0.06	0.195	0		I			2.99
10.750	0.56	0.06	0.199	0		I			3.03
10.833	0.56	0.06	0.202	0		I			3.07
10.917	0.56	0.06	0.206	0		I			3.11
11.000	0.56	0.06	0.209	0		I			3.15
11.083	0.54	0.06	0.212	0		I			3.19
11.167	0.53	0.06	0.216	0		I			3.23
11.250	0.53	0.06	0.219	0		I			3.27
11.333	0.53	0.06	0.222	0		I			3.31
11.417	0.53	0.06	0.225	0		I			3.34
11.500	0.53	0.06	0.229	0		I			3.38
11.583	0.50	0.07	0.232	0	I				3.42
11.667	0.48	0.07	0.235	0	I				3.45
11.750	0.48	0.07	0.238	0	I				3.48
11.833	0.50	0.07	0.240	0	I				3.52
11.917	0.51	0.07	0.243	0	I				3.55
12.000	0.51	0.07	0.246	0	I				3.59
12.083	0.64	0.07	0.250	0			I		3.63
12.167	0.70	0.07	0.254	0			I		3.67
12.250	0.70	0.07	0.258	0			I		3.73
12.333	0.72	0.07	0.263	0			I		3.78
12.417	0.73	0.07	0.267	0			I		3.83
12.500	0.73	0.07	0.272	0			I		3.88
12.583	0.77	0.07	0.277	0			I		3.94
12.667	0.79	0.07	0.281	0			I		3.99
12.750	0.79	0.07	0.286	0			I		4.05
12.833	0.80	0.07	0.291	0			I		4.11
12.917	0.81	0.07	0.296	0			I		4.17
13.000	0.82	0.07	0.302	0			I		4.23
13.083	0.94	0.07	0.307	0				I	4.29
13.167	1.01	0.07	0.313	0				I	4.36
13.250	1.01	0.07	0.320	0				I	4.44
13.333	1.01	0.08	0.326	0				I	4.51
13.417	1.01	0.08	0.333	0				I	4.59
13.500	1.01	0.09	0.339	0				I	4.67
13.583	0.77	0.10	0.344	0			I		4.73
13.667	0.65	0.11	0.349	0		I			4.78
13.750	0.65	0.11	0.352	0		I			4.83
13.833	0.65	0.12	0.356	0		I			4.88
13.917	0.65	0.12	0.360	0		I			4.93
14.000	0.65	0.13	0.363	0		I			4.98
14.083	0.72	0.13	0.367	0			I		5.03
14.167	0.76	0.14	0.371	0			I		5.08
14.250	0.76	0.14	0.375	0			I		5.14
14.333	0.74	0.15	0.380	0			I		5.19

14.417	0.73	0.15	0.384	0			I	5.25
14.500	0.73	0.29	0.387		0		I	5.29
14.583	0.73	0.40	0.390		0		I	5.33
14.667	0.73	0.49	0.392			0	I	5.36
14.750	0.73	0.55	0.393			0	I	5.38
14.833	0.71	0.60	0.394			0	I	5.39
14.917	0.70	0.62	0.395			0	I	5.40
15.000	0.70	0.64	0.395			0	I	5.41
15.083	0.68	0.66	0.396				OI	5.41
15.167	0.67	0.66	0.396				OI	5.41
15.250	0.67	0.67	0.396				0	5.41
15.333	0.65	0.67	0.396				IO	5.41
15.417	0.65	0.66	0.396				0	5.41
15.500	0.65	0.66	0.396				0	5.41
15.583	0.57	0.64	0.395				I 0	5.41
15.667	0.53	0.62	0.395				I 0	5.40
15.750	0.53	0.60	0.394				I 0	5.39
15.833	0.53	0.58	0.394				I 0	5.39
15.917	0.53	0.57	0.394				IO	5.38
16.000	0.53	0.56	0.393				IO	5.38
16.083	0.25	0.52	0.392		I		0	5.37
16.167	0.11	0.43	0.390	I		0		5.34
16.250	0.11	0.35	0.388	I		0		5.31
16.333	0.11	0.29	0.387	I		0		5.29
16.417	0.11	0.24	0.386	I	0			5.28
16.500	0.11	0.21	0.385	I	0			5.27
16.583	0.09	0.18	0.385	I	0			5.26
16.667	0.08	0.16	0.384	I	0			5.25
16.750	0.08	0.15	0.384	I	0			5.25
16.833	0.08	0.15	0.383	I	0			5.24
16.917	0.08	0.15	0.383	I	0			5.23
17.000	0.08	0.15	0.382	I	0			5.23
17.083	0.12	0.15	0.382		IO			5.22
17.167	0.14	0.15	0.382		0			5.22
17.250	0.14	0.15	0.382		0			5.22
17.333	0.14	0.15	0.382		0			5.22
17.417	0.14	0.15	0.382		0			5.22
17.500	0.14	0.15	0.382		0			5.22
17.583	0.14	0.15	0.381		0			5.22
17.667	0.14	0.15	0.381		0			5.22
17.750	0.14	0.15	0.381		0			5.22
17.833	0.12	0.15	0.381		IO			5.21
17.917	0.11	0.15	0.381		IO			5.21
18.000	0.11	0.15	0.381		IO			5.21
18.083	0.11	0.15	0.381		IO			5.20
18.167	0.11	0.15	0.380		IO			5.20
18.250	0.11	0.15	0.380		IO			5.20
18.333	0.11	0.15	0.380		IO			5.20
18.417	0.11	0.15	0.380		IO			5.19
18.500	0.11	0.15	0.379		IO			5.19

18.583	0.09	0.15	0.379	I O					5.18
18.667	0.08	0.15	0.379	I O					5.18
18.750	0.08	0.15	0.378	I O					5.17
18.833	0.07	0.14	0.378	I O					5.17
18.917	0.06	0.14	0.377	I O					5.16
19.000	0.06	0.14	0.377	I O					5.15
19.083	0.07	0.14	0.376	I O					5.15
19.167	0.08	0.14	0.376	I O					5.14
19.250	0.08	0.14	0.375	I O					5.13
19.333	0.10	0.14	0.375	IO					5.13
19.417	0.11	0.14	0.375	IO					5.13
19.500	0.11	0.14	0.374	IO					5.12
19.583	0.09	0.14	0.374	I O					5.12
19.667	0.08	0.14	0.374	I O					5.12
19.750	0.08	0.14	0.373	I O					5.11
19.833	0.07	0.14	0.373	I O					5.11
19.917	0.06	0.14	0.373	I O					5.10
20.000	0.06	0.14	0.372	I O					5.09
20.083	0.07	0.14	0.371	I O					5.08
20.167	0.08	0.14	0.371	I O					5.08
20.250	0.08	0.14	0.371	I O					5.08
20.333	0.08	0.14	0.370	I O					5.07
20.417	0.08	0.14	0.370	I O					5.07
20.500	0.08	0.13	0.370	I O					5.06
20.583	0.08	0.13	0.369	I O					5.06
20.667	0.08	0.13	0.369	I O					5.05
20.750	0.08	0.13	0.369	I O					5.05
20.833	0.07	0.13	0.368	I O					5.04
20.917	0.06	0.13	0.368	I O					5.04
21.000	0.06	0.13	0.367	I O					5.03
21.083	0.07	0.13	0.367	I O					5.02
21.167	0.08	0.13	0.366	I O					5.02
21.250	0.08	0.13	0.366	I O					5.01
21.333	0.07	0.13	0.366	I O					5.01
21.417	0.06	0.13	0.365	I O					5.00
21.500	0.06	0.13	0.365	I O					5.00
21.583	0.07	0.13	0.364	I O					4.99
21.667	0.08	0.13	0.364	I O					4.99
21.750	0.08	0.13	0.364	I O					4.98
21.833	0.07	0.13	0.363	IO					4.98
21.917	0.06	0.13	0.363	I O					4.97
22.000	0.06	0.13	0.362	I O					4.97
22.083	0.07	0.12	0.362	IO					4.96
22.167	0.08	0.12	0.362	IO					4.96
22.250	0.08	0.12	0.361	IO					4.95
22.333	0.07	0.12	0.361	IO					4.95
22.417	0.06	0.12	0.361	I O					4.94
22.500	0.06	0.12	0.360	I O					4.94
22.583	0.06	0.12	0.360	I O					4.93
22.667	0.06	0.12	0.359	I O					4.92

22.750	0.06	0.12	0.359	I 0					4.92
22.833	0.06	0.12	0.358	I 0					4.91
22.917	0.06	0.12	0.358	I 0					4.91
23.000	0.06	0.12	0.358	I 0					4.90
23.083	0.06	0.12	0.357	I 0					4.90
23.167	0.06	0.12	0.357	I 0					4.89
23.250	0.06	0.12	0.356	I 0					4.88
23.333	0.06	0.12	0.356	I 0					4.88
23.417	0.06	0.12	0.355	I 0					4.87
23.500	0.06	0.11	0.355	I 0					4.87
23.583	0.06	0.11	0.355	I 0					4.86
23.667	0.06	0.11	0.354	I 0					4.86
23.750	0.06	0.11	0.354	I 0					4.85
23.833	0.06	0.11	0.353	I 0					4.85
23.917	0.06	0.11	0.353	I 0					4.84
24.000	0.06	0.11	0.353	I 0					4.84
24.083	0.02	0.11	0.352	I 0					4.83
24.167	0.00	0.11	0.351	I 0					4.82
24.250	0.00	0.11	0.351	I 0					4.81
24.333	0.00	0.11	0.350	I 0					4.80
24.417	0.00	0.11	0.349	I 0					4.79
24.500	0.00	0.11	0.348	I 0					4.78
24.583	0.00	0.10	0.348	I 0					4.77
24.667	0.00	0.10	0.347	I 0					4.76
24.750	0.00	0.10	0.346	I 0					4.75
24.833	0.00	0.10	0.346	I 0					4.75
24.917	0.00	0.10	0.345	I 0					4.74
25.000	0.00	0.10	0.344	I 0					4.73
25.083	0.00	0.10	0.344	I 0					4.72
25.167	0.00	0.10	0.343	I 0					4.71
25.250	0.00	0.10	0.342	I 0					4.70
25.333	0.00	0.10	0.342	I 0					4.70
25.417	0.00	0.10	0.341	I 0					4.69
25.500	0.00	0.09	0.340	I 0					4.68
25.583	0.00	0.09	0.340	I 0					4.67
25.667	0.00	0.09	0.339	I 0					4.67
25.750	0.00	0.09	0.338	I 0					4.66
25.833	0.00	0.09	0.338	I 0					4.65
25.917	0.00	0.09	0.337	I 0					4.64
26.000	0.00	0.09	0.336	I 0					4.64
26.083	0.00	0.09	0.336	I 0					4.63
26.167	0.00	0.09	0.335	I 0					4.62
26.250	0.00	0.09	0.335	I 0					4.61
26.333	0.00	0.09	0.334	I 0					4.61
26.417	0.00	0.09	0.333	I 0					4.60
26.500	0.00	0.09	0.333	I 0					4.59
26.583	0.00	0.08	0.332	I 0					4.59
26.667	0.00	0.08	0.332	I 0					4.58
26.750	0.00	0.08	0.331	I 0					4.57
26.833	0.00	0.08	0.331	I 0					4.57

26.917	0.00	0.08	0.330	I 0					4.56
27.000	0.00	0.08	0.329	I 0					4.55
27.083	0.00	0.08	0.329	I 0					4.55
27.167	0.00	0.08	0.328	I 0					4.54
27.250	0.00	0.08	0.328	I 0					4.53
27.333	0.00	0.08	0.327	I 0					4.53
27.417	0.00	0.08	0.327	I 0					4.52
27.500	0.00	0.08	0.326	I 0					4.51
27.583	0.00	0.08	0.326	I 0					4.51
27.667	0.00	0.08	0.325	I 0					4.50
27.750	0.00	0.07	0.325	I 0					4.50
27.833	0.00	0.07	0.324	I 0					4.49
27.917	0.00	0.07	0.324	I 0					4.48
28.000	0.00	0.07	0.323	I 0					4.48
28.083	0.00	0.07	0.323	I 0					4.47
28.167	0.00	0.07	0.322	I 0					4.47
28.250	0.00	0.07	0.321	I 0					4.46
28.333	0.00	0.07	0.321	I 0					4.45
28.417	0.00	0.07	0.320	I 0					4.45
28.500	0.00	0.07	0.320	I 0					4.44
28.583	0.00	0.07	0.319	I 0					4.44
28.667	0.00	0.07	0.319	I 0					4.43
28.750	0.00	0.07	0.318	I 0					4.42
28.833	0.00	0.07	0.318	I 0					4.42
28.917	0.00	0.07	0.317	I 0					4.41
29.000	0.00	0.07	0.317	I 0					4.41
29.083	0.00	0.07	0.316	I 0					4.40
29.167	0.00	0.07	0.316	I 0					4.39
29.250	0.00	0.07	0.315	I 0					4.39
29.333	0.00	0.07	0.315	I 0					4.38
29.417	0.00	0.07	0.314	I 0					4.38
29.500	0.00	0.07	0.314	I 0					4.37
29.583	0.00	0.07	0.313	I 0					4.36
29.667	0.00	0.07	0.313	I 0					4.36
29.750	0.00	0.07	0.312	I 0					4.35
29.833	0.00	0.07	0.312	I 0					4.35
29.917	0.00	0.07	0.311	I 0					4.34
30.000	0.00	0.07	0.311	I 0					4.33
30.083	0.00	0.07	0.310	I 0					4.33
30.167	0.00	0.07	0.310	I 0					4.32
30.250	0.00	0.07	0.309	I 0					4.32
30.333	0.00	0.07	0.309	I 0					4.31
30.417	0.00	0.07	0.308	I 0					4.31
30.500	0.00	0.07	0.308	I 0					4.30
30.583	0.00	0.07	0.307	I 0					4.29
30.667	0.00	0.07	0.307	I 0					4.29
30.750	0.00	0.07	0.306	I 0					4.28
30.833	0.00	0.07	0.306	I 0					4.28
30.917	0.00	0.07	0.305	I 0					4.27
31.000	0.00	0.07	0.305	I 0					4.26

31.083	0.00	0.07	0.304	I 0					4.26
31.167	0.00	0.07	0.304	I 0					4.25
31.250	0.00	0.07	0.303	I 0					4.25
31.333	0.00	0.07	0.303	I 0					4.24
31.417	0.00	0.07	0.302	I 0					4.23
31.500	0.00	0.07	0.302	I 0					4.23
31.583	0.00	0.07	0.301	I 0					4.22
31.667	0.00	0.07	0.301	I 0					4.22
31.750	0.00	0.07	0.300	I 0					4.21
31.833	0.00	0.07	0.300	I 0					4.21
31.917	0.00	0.07	0.299	I 0					4.20
32.000	0.00	0.07	0.299	I 0					4.19
32.083	0.00	0.07	0.298	I 0					4.19
32.167	0.00	0.07	0.298	I 0					4.18
32.250	0.00	0.07	0.297	I 0					4.18
32.333	0.00	0.07	0.297	I 0					4.17
32.417	0.00	0.07	0.296	I 0					4.17
32.500	0.00	0.07	0.296	I 0					4.16
32.583	0.00	0.07	0.295	I 0					4.15
32.667	0.00	0.07	0.295	I 0					4.15
32.750	0.00	0.07	0.294	I 0					4.14
32.833	0.00	0.07	0.294	I 0					4.14
32.917	0.00	0.07	0.293	I 0					4.13
33.000	0.00	0.07	0.293	I 0					4.12
33.083	0.00	0.07	0.292	I 0					4.12
33.167	0.00	0.07	0.292	I 0					4.11
33.250	0.00	0.07	0.291	I 0					4.11
33.333	0.00	0.07	0.291	I 0					4.10
33.417	0.00	0.07	0.290	I 0					4.10
33.500	0.00	0.07	0.290	I 0					4.09
33.583	0.00	0.07	0.289	I 0					4.08
33.667	0.00	0.07	0.289	I 0					4.08
33.750	0.00	0.07	0.288	I 0					4.07
33.833	0.00	0.07	0.288	I 0					4.07
33.917	0.00	0.07	0.287	I 0					4.06
34.000	0.00	0.07	0.287	I 0					4.06
34.083	0.00	0.07	0.286	I 0					4.05
34.167	0.00	0.07	0.286	I 0					4.04
34.250	0.00	0.07	0.285	I 0					4.04
34.333	0.00	0.07	0.285	I 0					4.03
34.417	0.00	0.07	0.284	I 0					4.03
34.500	0.00	0.07	0.284	I 0					4.02
34.583	0.00	0.07	0.283	I 0					4.02
34.667	0.00	0.07	0.283	I 0					4.01
34.750	0.00	0.07	0.282	I 0					4.00
34.833	0.00	0.07	0.282	I 0					4.00
34.917	0.00	0.07	0.281	I 0					3.99
35.000	0.00	0.07	0.281	I 0					3.99
35.083	0.00	0.07	0.280	I 0					3.98
35.167	0.00	0.07	0.280	I 0					3.98

35.250	0.00	0.07	0.279	I 0					3.97
35.333	0.00	0.07	0.279	I 0					3.96
35.417	0.00	0.07	0.278	I 0					3.96
35.500	0.00	0.07	0.278	I 0					3.95
35.583	0.00	0.07	0.277	I 0					3.95
35.667	0.00	0.07	0.277	I 0					3.94
35.750	0.00	0.07	0.277	I 0					3.94
35.833	0.00	0.07	0.276	I 0					3.93
35.917	0.00	0.07	0.276	I 0					3.93
36.000	0.00	0.07	0.275	I 0					3.92
36.083	0.00	0.07	0.275	I 0					3.91
36.167	0.00	0.07	0.274	I 0					3.91
36.250	0.00	0.07	0.274	I 0					3.90
36.333	0.00	0.07	0.273	I 0					3.90
36.417	0.00	0.07	0.273	I 0					3.89
36.500	0.00	0.07	0.272	I 0					3.89
36.583	0.00	0.07	0.272	I 0					3.88
36.667	0.00	0.07	0.271	I 0					3.87
36.750	0.00	0.07	0.271	I 0					3.87
36.833	0.00	0.07	0.270	I 0					3.86
36.917	0.00	0.07	0.270	I 0					3.86
37.000	0.00	0.07	0.269	I 0					3.85
37.083	0.00	0.07	0.269	I 0					3.85
37.167	0.00	0.07	0.268	I 0					3.84
37.250	0.00	0.07	0.268	I 0					3.84
37.333	0.00	0.07	0.267	I 0					3.83
37.417	0.00	0.07	0.267	I 0					3.82
37.500	0.00	0.07	0.266	I 0					3.82
37.583	0.00	0.07	0.266	I 0					3.81
37.667	0.00	0.07	0.265	I 0					3.81
37.750	0.00	0.07	0.265	I 0					3.80
37.833	0.00	0.07	0.265	I 0					3.80
37.917	0.00	0.07	0.264	I 0					3.79
38.000	0.00	0.07	0.264	I 0					3.79
38.083	0.00	0.07	0.263	I 0					3.78
38.167	0.00	0.07	0.263	I 0					3.77
38.250	0.00	0.07	0.262	I 0					3.77
38.333	0.00	0.07	0.262	I 0					3.76
38.417	0.00	0.07	0.261	I 0					3.76
38.500	0.00	0.07	0.261	I 0					3.75
38.583	0.00	0.07	0.260	I 0					3.75
38.667	0.00	0.07	0.260	I 0					3.74
38.750	0.00	0.07	0.259	I 0					3.74
38.833	0.00	0.07	0.259	I 0					3.73
38.917	0.00	0.07	0.258	I 0					3.73
39.000	0.00	0.07	0.258	I 0					3.72
39.083	0.00	0.07	0.257	I 0					3.71
39.167	0.00	0.07	0.257	I 0					3.71
39.250	0.00	0.07	0.257	I 0					3.70
39.333	0.00	0.07	0.256	I 0					3.70

39.417	0.00	0.07	0.256	I 0					3.69
39.500	0.00	0.07	0.255	I 0					3.69
39.583	0.00	0.07	0.255	I 0					3.68
39.667	0.00	0.07	0.254	I 0					3.68
39.750	0.00	0.07	0.254	I 0					3.67
39.833	0.00	0.07	0.253	I 0					3.67
39.917	0.00	0.07	0.253	I 0					3.66
40.000	0.00	0.07	0.252	I 0					3.65
40.083	0.00	0.07	0.252	I 0					3.65
40.167	0.00	0.07	0.251	I 0					3.64
40.250	0.00	0.07	0.251	I 0					3.64
40.333	0.00	0.07	0.250	I 0					3.63
40.417	0.00	0.07	0.250	I 0					3.63
40.500	0.00	0.07	0.250	I 0					3.62
40.583	0.00	0.07	0.249	I 0					3.62
40.667	0.00	0.07	0.249	I 0					3.61
40.750	0.00	0.07	0.248	I 0					3.61
40.833	0.00	0.07	0.248	I 0					3.60
40.917	0.00	0.07	0.247	I 0					3.60
41.000	0.00	0.07	0.247	I 0					3.59
41.083	0.00	0.07	0.246	I 0					3.58
41.167	0.00	0.07	0.246	I 0					3.58
41.250	0.00	0.07	0.245	I 0					3.57
41.333	0.00	0.07	0.245	I 0					3.57
41.417	0.00	0.07	0.244	I 0					3.56
41.500	0.00	0.07	0.244	I 0					3.56
41.583	0.00	0.07	0.244	I 0					3.55
41.667	0.00	0.07	0.243	I 0					3.55
41.750	0.00	0.07	0.243	I 0					3.54
41.833	0.00	0.07	0.242	I 0					3.54
41.917	0.00	0.07	0.242	I 0					3.53
42.000	0.00	0.07	0.241	I 0					3.53
42.083	0.00	0.07	0.241	I 0					3.52
42.167	0.00	0.07	0.240	I 0					3.52
42.250	0.00	0.07	0.240	I 0					3.51
42.333	0.00	0.07	0.239	I 0					3.51
42.417	0.00	0.07	0.239	I 0					3.50
42.500	0.00	0.07	0.239	I 0					3.49
42.583	0.00	0.07	0.238	I 0					3.49
42.667	0.00	0.07	0.238	I 0					3.48
42.750	0.00	0.07	0.237	I 0					3.48
42.833	0.00	0.07	0.237	I 0					3.47
42.917	0.00	0.07	0.236	I 0					3.47
43.000	0.00	0.07	0.236	I 0					3.46
43.083	0.00	0.07	0.235	I 0					3.46
43.167	0.00	0.07	0.235	I 0					3.45
43.250	0.00	0.07	0.234	I 0					3.45
43.333	0.00	0.07	0.234	I 0					3.44
43.417	0.00	0.07	0.234	I 0					3.44
43.500	0.00	0.07	0.233	I 0					3.43

43.583	0.00	0.07	0.233	I 0					3.43
43.667	0.00	0.07	0.232	I 0					3.42
43.750	0.00	0.07	0.232	I 0					3.42
43.833	0.00	0.07	0.231	I 0					3.41
43.917	0.00	0.07	0.231	I 0					3.41
44.000	0.00	0.07	0.230	I 0					3.40
44.083	0.00	0.06	0.230	I 0					3.39
44.167	0.00	0.06	0.230	I 0					3.39
44.250	0.00	0.06	0.229	I 0					3.38
44.333	0.00	0.06	0.229	I 0					3.38
44.417	0.00	0.06	0.228	I 0					3.37
44.500	0.00	0.06	0.228	I 0					3.37
44.583	0.00	0.06	0.227	I 0					3.36
44.667	0.00	0.06	0.227	I 0					3.36
44.750	0.00	0.06	0.226	I 0					3.35
44.833	0.00	0.06	0.226	I 0					3.35
44.917	0.00	0.06	0.226	I 0					3.34
45.000	0.00	0.06	0.225	I 0					3.34
45.083	0.00	0.06	0.225	I 0					3.33
45.167	0.00	0.06	0.224	I 0					3.33
45.250	0.00	0.06	0.224	I 0					3.32
45.333	0.00	0.06	0.223	I 0					3.32
45.417	0.00	0.06	0.223	I 0					3.31
45.500	0.00	0.06	0.222	I 0					3.31
45.583	0.00	0.06	0.222	I 0					3.30
45.667	0.00	0.06	0.222	I 0					3.30
45.750	0.00	0.06	0.221	I 0					3.29
45.833	0.00	0.06	0.221	I 0					3.29
45.917	0.00	0.06	0.220	I 0					3.28
46.000	0.00	0.06	0.220	I 0					3.28
46.083	0.00	0.06	0.219	I 0					3.27
46.167	0.00	0.06	0.219	I 0					3.27
46.250	0.00	0.06	0.218	I 0					3.26
46.333	0.00	0.06	0.218	I 0					3.26
46.417	0.00	0.06	0.218	I 0					3.25
46.500	0.00	0.06	0.217	I 0					3.25
46.583	0.00	0.06	0.217	I 0					3.24
46.667	0.00	0.06	0.216	I 0					3.24
46.750	0.00	0.06	0.216	IO					3.23
46.833	0.00	0.06	0.215	IO					3.23
46.917	0.00	0.06	0.215	IO					3.22
47.000	0.00	0.06	0.215	IO					3.22
47.083	0.00	0.06	0.214	IO					3.21
47.167	0.00	0.06	0.214	IO					3.21
47.250	0.00	0.06	0.213	IO					3.20
47.333	0.00	0.06	0.213	IO					3.20
47.417	0.00	0.06	0.212	IO					3.19
47.500	0.00	0.06	0.212	IO					3.19
47.583	0.00	0.06	0.211	IO					3.18
47.667	0.00	0.06	0.211	IO					3.18

47.750	0.00	0.06	0.211	IO					3.17
47.833	0.00	0.06	0.210	IO					3.16
47.917	0.00	0.06	0.210	IO					3.16
48.000	0.00	0.06	0.209	IO					3.15
48.083	0.00	0.06	0.209	IO					3.15
48.167	0.00	0.06	0.208	IO					3.14
48.250	0.00	0.06	0.208	IO					3.14
48.333	0.00	0.06	0.208	IO					3.13
48.417	0.00	0.06	0.207	IO					3.13
48.500	0.00	0.06	0.207	IO					3.12
48.583	0.00	0.06	0.206	IO					3.12
48.667	0.00	0.06	0.206	IO					3.11
48.750	0.00	0.06	0.205	IO					3.11
48.833	0.00	0.06	0.205	IO					3.11
48.917	0.00	0.06	0.205	IO					3.10
49.000	0.00	0.06	0.204	IO					3.10
49.083	0.00	0.06	0.204	IO					3.09
49.167	0.00	0.06	0.203	IO					3.09
49.250	0.00	0.06	0.203	IO					3.08
49.333	0.00	0.06	0.202	IO					3.08
49.417	0.00	0.06	0.202	IO					3.07
49.500	0.00	0.06	0.202	IO					3.07
49.583	0.00	0.06	0.201	IO					3.06
49.667	0.00	0.06	0.201	IO					3.06
49.750	0.00	0.06	0.200	IO					3.05
49.833	0.00	0.06	0.200	IO					3.05
49.917	0.00	0.06	0.200	IO					3.04
50.000	0.00	0.06	0.199	IO					3.04
50.083	0.00	0.06	0.199	IO					3.03
50.167	0.00	0.06	0.198	IO					3.03
50.250	0.00	0.06	0.198	IO					3.02
50.333	0.00	0.06	0.197	IO					3.02
50.417	0.00	0.06	0.197	IO					3.01
50.500	0.00	0.06	0.197	IO					3.01
50.583	0.00	0.06	0.196	IO					3.00
50.667	0.00	0.06	0.196	IO					3.00
50.750	0.00	0.06	0.195	IO					2.99
50.833	0.00	0.06	0.195	IO					2.99
50.917	0.00	0.06	0.194	IO					2.98
51.000	0.00	0.06	0.194	IO					2.98
51.083	0.00	0.06	0.194	IO					2.97
51.167	0.00	0.06	0.193	IO					2.97
51.250	0.00	0.06	0.193	IO					2.96
51.333	0.00	0.06	0.192	IO					2.96
51.417	0.00	0.06	0.192	IO					2.95
51.500	0.00	0.06	0.192	IO					2.95
51.583	0.00	0.06	0.191	IO					2.94
51.667	0.00	0.06	0.191	IO					2.94
51.750	0.00	0.06	0.190	IO					2.93
51.833	0.00	0.06	0.190	IO					2.93

51.917	0.00	0.06	0.189	IO					2.92
52.000	0.00	0.06	0.189	IO					2.92
52.083	0.00	0.06	0.189	IO					2.91
52.167	0.00	0.06	0.188	IO					2.91
52.250	0.00	0.06	0.188	IO					2.90
52.333	0.00	0.06	0.187	IO					2.90
52.417	0.00	0.06	0.187	IO					2.89
52.500	0.00	0.06	0.187	IO					2.89
52.583	0.00	0.06	0.186	IO					2.88
52.667	0.00	0.06	0.186	IO					2.88
52.750	0.00	0.06	0.185	IO					2.87
52.833	0.00	0.06	0.185	IO					2.87
52.917	0.00	0.06	0.185	IO					2.86
53.000	0.00	0.06	0.184	IO					2.86
53.083	0.00	0.06	0.184	IO					2.85
53.167	0.00	0.06	0.183	IO					2.85
53.250	0.00	0.06	0.183	IO					2.84
53.333	0.00	0.06	0.182	IO					2.84
53.417	0.00	0.06	0.182	IO					2.83
53.500	0.00	0.06	0.182	IO					2.83
53.583	0.00	0.06	0.181	IO					2.82
53.667	0.00	0.06	0.181	IO					2.82
53.750	0.00	0.06	0.180	IO					2.81
53.833	0.00	0.06	0.180	IO					2.81
53.917	0.00	0.06	0.180	IO					2.80
54.000	0.00	0.06	0.179	IO					2.80
54.083	0.00	0.06	0.179	IO					2.79
54.167	0.00	0.06	0.178	IO					2.79
54.250	0.00	0.06	0.178	IO					2.78
54.333	0.00	0.06	0.178	IO					2.78
54.417	0.00	0.06	0.177	IO					2.77
54.500	0.00	0.06	0.177	IO					2.77
54.583	0.00	0.06	0.176	IO					2.76
54.667	0.00	0.06	0.176	IO					2.76
54.750	0.00	0.06	0.176	IO					2.75
54.833	0.00	0.06	0.175	IO					2.75
54.917	0.00	0.06	0.175	IO					2.74
55.000	0.00	0.06	0.174	IO					2.74
55.083	0.00	0.06	0.174	IO					2.73
55.167	0.00	0.06	0.174	IO					2.73
55.250	0.00	0.06	0.173	IO					2.73
55.333	0.00	0.06	0.173	IO					2.72
55.417	0.00	0.06	0.172	IO					2.72
55.500	0.00	0.06	0.172	IO					2.71
55.583	0.00	0.06	0.172	IO					2.71
55.667	0.00	0.06	0.171	IO					2.70
55.750	0.00	0.06	0.171	IO					2.70
55.833	0.00	0.06	0.170	IO					2.69
55.917	0.00	0.06	0.170	IO					2.69
56.000	0.00	0.06	0.170	IO					2.68

56.083	0.00	0.06	0.169	IO					2.68
56.167	0.00	0.06	0.169	IO					2.67
56.250	0.00	0.06	0.168	IO					2.67
56.333	0.00	0.06	0.168	IO					2.66
56.417	0.00	0.06	0.168	IO					2.66
56.500	0.00	0.06	0.167	IO					2.65
56.583	0.00	0.06	0.167	IO					2.65
56.667	0.00	0.06	0.166	IO					2.64
56.750	0.00	0.06	0.166	IO					2.64
56.833	0.00	0.06	0.166	IO					2.63
56.917	0.00	0.06	0.165	IO					2.63
57.000	0.00	0.06	0.165	IO					2.63
57.083	0.00	0.06	0.164	IO					2.62
57.167	0.00	0.06	0.164	IO					2.62
57.250	0.00	0.06	0.164	IO					2.61
57.333	0.00	0.06	0.163	IO					2.61
57.417	0.00	0.06	0.163	IO					2.60
57.500	0.00	0.06	0.163	IO					2.60
57.583	0.00	0.06	0.162	IO					2.59
57.667	0.00	0.06	0.162	IO					2.59
57.750	0.00	0.06	0.161	IO					2.58
57.833	0.00	0.06	0.161	IO					2.58
57.917	0.00	0.06	0.161	IO					2.57
58.000	0.00	0.06	0.160	IO					2.57
58.083	0.00	0.06	0.160	IO					2.56
58.167	0.00	0.06	0.159	IO					2.56
58.250	0.00	0.06	0.159	IO					2.55
58.333	0.00	0.06	0.159	IO					2.55
58.417	0.00	0.06	0.158	IO					2.55
58.500	0.00	0.06	0.158	IO					2.54
58.583	0.00	0.06	0.158	IO					2.54
58.667	0.00	0.06	0.157	IO					2.53
58.750	0.00	0.06	0.157	IO					2.53
58.833	0.00	0.06	0.156	IO					2.52
58.917	0.00	0.06	0.156	IO					2.52
59.000	0.00	0.06	0.156	IO					2.51
59.083	0.00	0.06	0.155	IO					2.51
59.167	0.00	0.06	0.155	IO					2.50
59.250	0.00	0.06	0.154	IO					2.50
59.333	0.00	0.06	0.154	IO					2.49
59.417	0.00	0.06	0.154	IO					2.49
59.500	0.00	0.06	0.153	IO					2.49
59.583	0.00	0.06	0.153	IO					2.48
59.667	0.00	0.06	0.153	IO					2.48
59.750	0.00	0.06	0.152	IO					2.47
59.833	0.00	0.06	0.152	IO					2.47
59.917	0.00	0.06	0.151	IO					2.46
60.000	0.00	0.06	0.151	IO					2.46
60.083	0.00	0.05	0.151	IO					2.45
60.167	0.00	0.05	0.150	IO					2.45

60.250	0.00	0.05	0.150	IO					2.44
60.333	0.00	0.05	0.150	IO					2.44
60.417	0.00	0.05	0.149	IO					2.44
60.500	0.00	0.05	0.149	IO					2.43
60.583	0.00	0.05	0.148	IO					2.43
60.667	0.00	0.05	0.148	IO					2.42
60.750	0.00	0.05	0.148	IO					2.42
60.833	0.00	0.05	0.147	IO					2.41
60.917	0.00	0.05	0.147	IO					2.41
61.000	0.00	0.05	0.146	IO					2.40
61.083	0.00	0.05	0.146	IO					2.40
61.167	0.00	0.05	0.146	IO					2.39
61.250	0.00	0.05	0.145	IO					2.39
61.333	0.00	0.05	0.145	IO					2.39
61.417	0.00	0.05	0.145	IO					2.38
61.500	0.00	0.05	0.144	IO					2.38
61.583	0.00	0.05	0.144	IO					2.37
61.667	0.00	0.05	0.144	IO					2.37
61.750	0.00	0.05	0.143	IO					2.36
61.833	0.00	0.05	0.143	IO					2.36
61.917	0.00	0.05	0.142	IO					2.35
62.000	0.00	0.05	0.142	IO					2.35
62.083	0.00	0.05	0.142	IO					2.35
62.167	0.00	0.05	0.141	IO					2.34
62.250	0.00	0.05	0.141	IO					2.34
62.333	0.00	0.05	0.141	IO					2.33
62.417	0.00	0.05	0.140	IO					2.33
62.500	0.00	0.05	0.140	IO					2.32
62.583	0.00	0.05	0.139	IO					2.32
62.667	0.00	0.05	0.139	IO					2.31
62.750	0.00	0.05	0.139	IO					2.31
62.833	0.00	0.05	0.138	IO					2.31
62.917	0.00	0.05	0.138	IO					2.30
63.000	0.00	0.05	0.138	IO					2.30
63.083	0.00	0.05	0.137	IO					2.29
63.167	0.00	0.05	0.137	IO					2.29
63.250	0.00	0.05	0.136	IO					2.28
63.333	0.00	0.05	0.136	IO					2.28
63.417	0.00	0.05	0.136	IO					2.27
63.500	0.00	0.05	0.135	IO					2.27
63.583	0.00	0.05	0.135	IO					2.27
63.667	0.00	0.05	0.135	IO					2.26
63.750	0.00	0.05	0.134	IO					2.26
63.833	0.00	0.05	0.134	IO					2.25
63.917	0.00	0.05	0.134	IO					2.25
64.000	0.00	0.05	0.133	IO					2.24
64.083	0.00	0.05	0.133	IO					2.24
64.167	0.00	0.05	0.132	IO					2.23
64.250	0.00	0.05	0.132	IO					2.23
64.333	0.00	0.05	0.132	IO					2.23

64.417	0.00	0.05	0.131	IO					2.22
64.500	0.00	0.05	0.131	IO					2.22
64.583	0.00	0.05	0.131	IO					2.21
64.667	0.00	0.05	0.130	IO					2.21
64.750	0.00	0.05	0.130	IO					2.20
64.833	0.00	0.05	0.130	IO					2.20
64.917	0.00	0.05	0.129	IO					2.20
65.000	0.00	0.05	0.129	IO					2.19
65.083	0.00	0.05	0.129	IO					2.19
65.167	0.00	0.05	0.128	IO					2.18
65.250	0.00	0.05	0.128	IO					2.18
65.333	0.00	0.05	0.127	IO					2.17
65.417	0.00	0.05	0.127	IO					2.17
65.500	0.00	0.05	0.127	IO					2.17
65.583	0.00	0.05	0.126	IO					2.16
65.667	0.00	0.05	0.126	IO					2.16
65.750	0.00	0.05	0.126	IO					2.15
65.833	0.00	0.05	0.125	IO					2.15
65.917	0.00	0.05	0.125	IO					2.14
66.000	0.00	0.05	0.125	IO					2.14
66.083	0.00	0.05	0.124	IO					2.14
66.167	0.00	0.05	0.124	IO					2.13
66.250	0.00	0.05	0.124	IO					2.13
66.333	0.00	0.05	0.123	IO					2.12
66.417	0.00	0.05	0.123	IO					2.12
66.500	0.00	0.05	0.122	IO					2.11
66.583	0.00	0.05	0.122	IO					2.11
66.667	0.00	0.05	0.122	IO					2.11
66.750	0.00	0.05	0.121	IO					2.10
66.833	0.00	0.05	0.121	IO					2.10
66.917	0.00	0.05	0.121	IO					2.09
67.000	0.00	0.05	0.120	IO					2.09
67.083	0.00	0.05	0.120	IO					2.08
67.167	0.00	0.05	0.120	IO					2.08
67.250	0.00	0.05	0.119	IO					2.08
67.333	0.00	0.05	0.119	IO					2.07
67.417	0.00	0.05	0.119	IO					2.07
67.500	0.00	0.05	0.118	IO					2.06
67.583	0.00	0.05	0.118	IO					2.06
67.667	0.00	0.05	0.118	IO					2.06
67.750	0.00	0.05	0.117	IO					2.05
67.833	0.00	0.05	0.117	IO					2.05
67.917	0.00	0.05	0.117	IO					2.04
68.000	0.00	0.05	0.116	IO					2.04
68.083	0.00	0.05	0.116	IO					2.03
68.167	0.00	0.05	0.115	IO					2.03
68.250	0.00	0.05	0.115	IO					2.03
68.333	0.00	0.05	0.115	IO					2.02
68.417	0.00	0.05	0.114	IO					2.02
68.500	0.00	0.05	0.114	IO					2.01

68.583	0.00	0.05	0.114	IO					2.01
68.667	0.00	0.05	0.113	IO					2.00
68.750	0.00	0.05	0.113	IO					2.00
68.833	0.00	0.05	0.113	IO					2.00
68.917	0.00	0.05	0.112	IO					1.99
69.000	0.00	0.05	0.112	IO					1.99
69.083	0.00	0.05	0.112	IO					1.98
69.167	0.00	0.05	0.111	IO					1.98
69.250	0.00	0.05	0.111	IO					1.97
69.333	0.00	0.05	0.111	IO					1.97
69.417	0.00	0.05	0.110	IO					1.96
69.500	0.00	0.05	0.110	IO					1.96
69.583	0.00	0.05	0.110	IO					1.95
69.667	0.00	0.05	0.109	IO					1.95
69.750	0.00	0.05	0.109	IO					1.94
69.833	0.00	0.05	0.109	IO					1.94
69.917	0.00	0.05	0.108	IO					1.93
70.000	0.00	0.05	0.108	IO					1.93
70.083	0.00	0.05	0.108	IO					1.92
70.167	0.00	0.05	0.107	IO					1.92
70.250	0.00	0.05	0.107	IO					1.91
70.333	0.00	0.05	0.107	IO					1.91
70.417	0.00	0.05	0.106	IO					1.90
70.500	0.00	0.05	0.106	IO					1.90
70.583	0.00	0.05	0.106	IO					1.89
70.667	0.00	0.05	0.105	IO					1.89
70.750	0.00	0.05	0.105	IO					1.88
70.833	0.00	0.05	0.105	IO					1.88
70.917	0.00	0.05	0.104	IO					1.88
71.000	0.00	0.05	0.104	IO					1.87
71.083	0.00	0.05	0.104	IO					1.87
71.167	0.00	0.05	0.103	IO					1.86
71.250	0.00	0.05	0.103	IO					1.86
71.333	0.00	0.05	0.103	IO					1.85
71.417	0.00	0.05	0.102	IO					1.85
71.500	0.00	0.05	0.102	IO					1.84
71.583	0.00	0.05	0.102	IO					1.84
71.667	0.00	0.05	0.101	IO					1.83
71.750	0.00	0.05	0.101	IO					1.83
71.833	0.00	0.05	0.101	IO					1.82
71.917	0.00	0.05	0.100	IO					1.82
72.000	0.00	0.05	0.100	IO					1.81
72.083	0.00	0.05	0.100	IO					1.81
72.167	0.00	0.05	0.099	IO					1.81
72.250	0.00	0.05	0.099	IO					1.80
72.333	0.00	0.05	0.099	IO					1.80
72.417	0.00	0.05	0.098	IO					1.79
72.500	0.00	0.05	0.098	IO					1.79
72.583	0.00	0.05	0.098	IO					1.78
72.667	0.00	0.05	0.097	IO					1.78

72.750	0.00	0.05	0.097	IO					1.77
72.833	0.00	0.05	0.097	IO					1.77
72.917	0.00	0.05	0.096	IO					1.76
73.000	0.00	0.05	0.096	IO					1.76
73.083	0.00	0.05	0.096	IO					1.75
73.167	0.00	0.05	0.096	IO					1.75
73.250	0.00	0.05	0.095	IO					1.75
73.333	0.00	0.05	0.095	IO					1.74
73.417	0.00	0.05	0.095	IO					1.74
73.500	0.00	0.05	0.094	IO					1.73
73.583	0.00	0.05	0.094	IO					1.73
73.667	0.00	0.05	0.094	IO					1.72
73.750	0.00	0.05	0.093	IO					1.72
73.833	0.00	0.05	0.093	IO					1.71
73.917	0.00	0.05	0.093	IO					1.71
74.000	0.00	0.05	0.092	IO					1.70
74.083	0.00	0.05	0.092	IO					1.70
74.167	0.00	0.05	0.092	IO					1.70
74.250	0.00	0.05	0.091	IO					1.69
74.333	0.00	0.05	0.091	IO					1.69
74.417	0.00	0.05	0.091	IO					1.68
74.500	0.00	0.05	0.090	IO					1.68
74.583	0.00	0.05	0.090	IO					1.67
74.667	0.00	0.05	0.090	IO					1.67
74.750	0.00	0.04	0.090	IO					1.66
74.833	0.00	0.04	0.089	IO					1.66
74.917	0.00	0.04	0.089	IO					1.66
75.000	0.00	0.04	0.089	IO					1.65
75.083	0.00	0.04	0.088	IO					1.65
75.167	0.00	0.04	0.088	IO					1.64
75.250	0.00	0.04	0.088	IO					1.64
75.333	0.00	0.04	0.087	IO					1.63
75.417	0.00	0.04	0.087	IO					1.63
75.500	0.00	0.04	0.087	IO					1.63
75.583	0.00	0.04	0.086	IO					1.62
75.667	0.00	0.04	0.086	IO					1.62
75.750	0.00	0.04	0.086	IO					1.61
75.833	0.00	0.04	0.086	IO					1.61
75.917	0.00	0.04	0.085	IO					1.60
76.000	0.00	0.04	0.085	IO					1.60
76.083	0.00	0.04	0.085	IO					1.59
76.167	0.00	0.04	0.084	IO					1.59
76.250	0.00	0.04	0.084	IO					1.59
76.333	0.00	0.04	0.084	IO					1.58
76.417	0.00	0.04	0.083	IO					1.58
76.500	0.00	0.04	0.083	IO					1.57
76.583	0.00	0.04	0.083	IO					1.57
76.667	0.00	0.04	0.083	IO					1.56
76.750	0.00	0.04	0.082	IO					1.56
76.833	0.00	0.04	0.082	IO					1.56

76.917	0.00	0.04	0.082	IO					1.55
77.000	0.00	0.04	0.081	IO					1.55
77.083	0.00	0.04	0.081	IO					1.54
77.167	0.00	0.04	0.081	IO					1.54
77.250	0.00	0.04	0.080	IO					1.53
77.333	0.00	0.04	0.080	IO					1.53
77.417	0.00	0.04	0.080	IO					1.53
77.500	0.00	0.04	0.080	IO					1.52
77.583	0.00	0.04	0.079	IO					1.52
77.667	0.00	0.04	0.079	IO					1.51
77.750	0.00	0.04	0.079	IO					1.51
77.833	0.00	0.04	0.078	IO					1.51
77.917	0.00	0.04	0.078	IO					1.50
78.000	0.00	0.04	0.078	IO					1.50
78.083	0.00	0.04	0.078	IO					1.49
78.167	0.00	0.04	0.077	IO					1.49
78.250	0.00	0.04	0.077	IO					1.48
78.333	0.00	0.04	0.077	IO					1.48
78.417	0.00	0.04	0.076	IO					1.48
78.500	0.00	0.04	0.076	IO					1.47
78.583	0.00	0.04	0.076	IO					1.47
78.667	0.00	0.04	0.075	IO					1.46
78.750	0.00	0.04	0.075	IO					1.46
78.833	0.00	0.04	0.075	IO					1.46
78.917	0.00	0.04	0.075	IO					1.45
79.000	0.00	0.04	0.074	IO					1.45
79.083	0.00	0.04	0.074	IO					1.44
79.167	0.00	0.04	0.074	IO					1.44
79.250	0.00	0.04	0.073	IO					1.44
79.333	0.00	0.04	0.073	IO					1.43
79.417	0.00	0.04	0.073	IO					1.43
79.500	0.00	0.04	0.073	IO					1.42
79.583	0.00	0.04	0.072	IO					1.42
79.667	0.00	0.04	0.072	IO					1.41
79.750	0.00	0.04	0.072	IO					1.41
79.833	0.00	0.04	0.071	IO					1.41
79.917	0.00	0.04	0.071	IO					1.40
80.000	0.00	0.04	0.071	IO					1.40
80.083	0.00	0.04	0.071	IO					1.39
80.167	0.00	0.04	0.070	IO					1.39
80.250	0.00	0.04	0.070	IO					1.39
80.333	0.00	0.04	0.070	IO					1.38
80.417	0.00	0.04	0.069	IO					1.38
80.500	0.00	0.04	0.069	IO					1.37
80.583	0.00	0.04	0.069	IO					1.37
80.667	0.00	0.04	0.069	IO					1.37
80.750	0.00	0.04	0.068	IO					1.36
80.833	0.00	0.04	0.068	IO					1.36
80.917	0.00	0.04	0.068	IO					1.35
81.000	0.00	0.04	0.068	IO					1.35

81.083	0.00	0.04	0.067	IO					1.35
81.167	0.00	0.04	0.067	IO					1.34
81.250	0.00	0.04	0.067	IO					1.34
81.333	0.00	0.04	0.066	IO					1.33
81.417	0.00	0.04	0.066	IO					1.33
81.500	0.00	0.04	0.066	IO					1.33
81.583	0.00	0.04	0.066	IO					1.32
81.667	0.00	0.04	0.065	IO					1.32
81.750	0.00	0.04	0.065	IO					1.32
81.833	0.00	0.04	0.065	IO					1.31
81.917	0.00	0.04	0.065	IO					1.31
82.000	0.00	0.04	0.064	IO					1.30
82.083	0.00	0.04	0.064	IO					1.30
82.167	0.00	0.04	0.064	IO					1.30
82.250	0.00	0.04	0.063	IO					1.29
82.333	0.00	0.04	0.063	IO					1.29
82.417	0.00	0.04	0.063	IO					1.28
82.500	0.00	0.04	0.063	IO					1.28
82.583	0.00	0.04	0.062	IO					1.28
82.667	0.00	0.04	0.062	IO					1.27
82.750	0.00	0.04	0.062	IO					1.27
82.833	0.00	0.04	0.062	IO					1.26
82.917	0.00	0.04	0.061	IO					1.26
83.000	0.00	0.04	0.061	IO					1.26
83.083	0.00	0.04	0.061	IO					1.25
83.167	0.00	0.04	0.060	IO					1.25
83.250	0.00	0.04	0.060	IO					1.25
83.333	0.00	0.04	0.060	IO					1.24
83.417	0.00	0.04	0.060	IO					1.24
83.500	0.00	0.04	0.059	IO					1.23
83.583	0.00	0.04	0.059	IO					1.23
83.667	0.00	0.04	0.059	IO					1.23
83.750	0.00	0.04	0.059	IO					1.22
83.833	0.00	0.04	0.058	IO					1.22
83.917	0.00	0.04	0.058	IO					1.22
84.000	0.00	0.04	0.058	IO					1.21
84.083	0.00	0.04	0.058	IO					1.21
84.167	0.00	0.04	0.057	IO					1.20
84.250	0.00	0.04	0.057	IO					1.20
84.333	0.00	0.04	0.057	IO					1.20
84.417	0.00	0.04	0.057	IO					1.19
84.500	0.00	0.04	0.056	IO					1.19
84.583	0.00	0.04	0.056	IO					1.19
84.667	0.00	0.04	0.056	IO					1.18
84.750	0.00	0.04	0.055	IO					1.18
84.833	0.00	0.04	0.055	IO					1.17
84.917	0.00	0.04	0.055	IO					1.17
85.000	0.00	0.04	0.055	IO					1.17
85.083	0.00	0.04	0.054	IO					1.16
85.167	0.00	0.04	0.054	IO					1.16

85.250	0.00	0.04	0.054	IO					1.16
85.333	0.00	0.04	0.054	IO					1.15
85.417	0.00	0.04	0.053	IO					1.15
85.500	0.00	0.04	0.053	IO					1.15
85.583	0.00	0.04	0.053	IO					1.14
85.667	0.00	0.04	0.053	IO					1.14
85.750	0.00	0.04	0.052	IO					1.13
85.833	0.00	0.04	0.052	IO					1.13
85.917	0.00	0.04	0.052	IO					1.13
86.000	0.00	0.04	0.052	IO					1.12
86.083	0.00	0.04	0.051	IO					1.12
86.167	0.00	0.04	0.051	IO					1.12
86.250	0.00	0.04	0.051	IO					1.11
86.333	0.00	0.04	0.051	IO					1.11
86.417	0.00	0.04	0.050	IO					1.11
86.500	0.00	0.04	0.050	IO					1.10
86.583	0.00	0.04	0.050	IO					1.10
86.667	0.00	0.04	0.050	IO					1.09
86.750	0.00	0.04	0.049	IO					1.09
86.833	0.00	0.04	0.049	IO					1.09
86.917	0.00	0.04	0.049	IO					1.08
87.000	0.00	0.04	0.049	IO					1.08
87.083	0.00	0.04	0.048	IO					1.08
87.167	0.00	0.04	0.048	IO					1.07
87.250	0.00	0.04	0.048	IO					1.07
87.333	0.00	0.04	0.048	IO					1.07
87.417	0.00	0.04	0.047	IO					1.06
87.500	0.00	0.04	0.047	IO					1.06
87.583	0.00	0.04	0.047	IO					1.06
87.667	0.00	0.04	0.047	IO					1.05
87.750	0.00	0.04	0.046	IO					1.05
87.833	0.00	0.04	0.046	IO					1.04
87.917	0.00	0.04	0.046	IO					1.04
88.000	0.00	0.04	0.046	IO					1.04
88.083	0.00	0.04	0.045	IO					1.03
88.167	0.00	0.04	0.045	IO					1.03
88.250	0.00	0.04	0.045	IO					1.03
88.333	0.00	0.04	0.045	IO					1.02
88.417	0.00	0.04	0.044	IO					1.02
88.500	0.00	0.04	0.044	IO					1.02
88.583	0.00	0.04	0.044	IO					1.01
88.667	0.00	0.04	0.044	IO					1.01
88.750	0.00	0.04	0.043	IO					1.01
88.833	0.00	0.04	0.043	IO					1.00
88.917	0.00	0.03	0.043	IO					1.00
89.000	0.00	0.03	0.043	IO					0.99
89.083	0.00	0.03	0.042	IO					0.99
89.167	0.00	0.03	0.042	IO					0.98
89.250	0.00	0.03	0.042	IO					0.98
89.333	0.00	0.03	0.042	IO					0.97

89.417	0.00	0.03	0.042	IO					0.97
89.500	0.00	0.03	0.041	IO					0.96
89.583	0.00	0.03	0.041	IO					0.96
89.667	0.00	0.03	0.041	IO					0.95
89.750	0.00	0.03	0.041	IO					0.95
89.833	0.00	0.03	0.040	IO					0.94
89.917	0.00	0.03	0.040	IO					0.94
90.000	0.00	0.03	0.040	IO					0.93
90.083	0.00	0.03	0.040	IO					0.93
90.167	0.00	0.03	0.039	IO					0.92
90.250	0.00	0.03	0.039	IO					0.92
90.333	0.00	0.03	0.039	IO					0.91
90.417	0.00	0.03	0.039	IO					0.91
90.500	0.00	0.03	0.039	IO					0.90
90.583	0.00	0.03	0.038	IO					0.90
90.667	0.00	0.03	0.038	IO					0.89
90.750	0.00	0.03	0.038	0					0.89
90.833	0.00	0.03	0.038	0					0.88
90.917	0.00	0.03	0.037	0					0.88
91.000	0.00	0.03	0.037	0					0.87
91.083	0.00	0.03	0.037	0					0.87
91.167	0.00	0.03	0.037	0					0.86
91.250	0.00	0.03	0.037	0					0.86
91.333	0.00	0.03	0.036	0					0.86
91.417	0.00	0.03	0.036	0					0.85
91.500	0.00	0.03	0.036	0					0.85
91.583	0.00	0.03	0.036	0					0.84
91.667	0.00	0.03	0.036	0					0.84
91.750	0.00	0.03	0.035	0					0.83
91.833	0.00	0.03	0.035	0					0.83
91.917	0.00	0.03	0.035	0					0.82
92.000	0.00	0.03	0.035	0					0.82
92.083	0.00	0.03	0.035	0					0.81
92.167	0.00	0.03	0.034	0					0.81
92.250	0.00	0.03	0.034	0					0.81
92.333	0.00	0.03	0.034	0					0.80
92.417	0.00	0.03	0.034	0					0.80
92.500	0.00	0.03	0.034	0					0.79
92.583	0.00	0.03	0.033	0					0.79
92.667	0.00	0.03	0.033	0					0.78
92.750	0.00	0.03	0.033	0					0.78
92.833	0.00	0.03	0.033	0					0.78
92.917	0.00	0.03	0.033	0					0.77
93.000	0.00	0.03	0.032	0					0.77
93.083	0.00	0.03	0.032	0					0.76
93.167	0.00	0.03	0.032	0					0.76
93.250	0.00	0.03	0.032	0					0.75
93.333	0.00	0.03	0.032	0					0.75
93.417	0.00	0.03	0.031	0					0.75
93.500	0.00	0.03	0.031	0					0.74

93.583	0.00	0.03	0.031	0					0.74
93.667	0.00	0.03	0.031	0					0.73
93.750	0.00	0.03	0.031	0					0.73
93.833	0.00	0.03	0.030	0					0.73
93.917	0.00	0.03	0.030	0					0.72
94.000	0.00	0.03	0.030	0					0.72
94.083	0.00	0.03	0.030	0					0.71
94.167	0.00	0.03	0.030	0					0.71
94.250	0.00	0.03	0.030	0					0.71
94.333	0.00	0.03	0.029	0					0.70
94.417	0.00	0.03	0.029	0					0.70
94.500	0.00	0.03	0.029	0					0.69
94.583	0.00	0.03	0.029	0					0.69
94.667	0.00	0.03	0.029	0					0.69
94.750	0.00	0.03	0.029	0					0.68
94.833	0.00	0.03	0.028	0					0.68
94.917	0.00	0.03	0.028	0					0.67
95.000	0.00	0.03	0.028	0					0.67
95.083	0.00	0.03	0.028	0					0.67
95.167	0.00	0.02	0.028	0					0.66
95.250	0.00	0.02	0.027	0					0.66
95.333	0.00	0.02	0.027	0					0.66
95.417	0.00	0.02	0.027	0					0.65
95.500	0.00	0.02	0.027	0					0.65
95.583	0.00	0.02	0.027	0					0.64
95.667	0.00	0.02	0.027	0					0.64
95.750	0.00	0.02	0.026	0					0.64
95.833	0.00	0.02	0.026	0					0.63
95.917	0.00	0.02	0.026	0					0.63
96.000	0.00	0.02	0.026	0					0.63
96.083	0.00	0.02	0.026	0					0.62
96.167	0.00	0.02	0.026	0					0.62
96.250	0.00	0.02	0.025	0					0.62
96.333	0.00	0.02	0.025	0					0.61
96.417	0.00	0.02	0.025	0					0.61
96.500	0.00	0.02	0.025	0					0.61
96.583	0.00	0.02	0.025	0					0.60
96.667	0.00	0.02	0.025	0					0.60
96.750	0.00	0.02	0.025	0					0.59
96.833	0.00	0.02	0.024	0					0.59
96.917	0.00	0.02	0.024	0					0.59
97.000	0.00	0.02	0.024	0					0.58
97.083	0.00	0.02	0.024	0					0.58
97.167	0.00	0.02	0.024	0					0.58
97.250	0.00	0.02	0.024	0					0.57
97.333	0.00	0.02	0.023	0					0.57
97.417	0.00	0.02	0.023	0					0.57
97.500	0.00	0.02	0.023	0					0.56
97.583	0.00	0.02	0.023	0					0.56
97.667	0.00	0.02	0.023	0					0.56

97.750	0.00	0.02	0.023	0					0.55
97.833	0.00	0.02	0.023	0					0.55
97.917	0.00	0.02	0.022	0					0.55
98.000	0.00	0.02	0.022	0					0.54
98.083	0.00	0.02	0.022	0					0.54
98.167	0.00	0.02	0.022	0					0.54
98.250	0.00	0.02	0.022	0					0.53
98.333	0.00	0.02	0.022	0					0.53
98.417	0.00	0.02	0.022	0					0.53
98.500	0.00	0.02	0.021	0					0.53
98.583	0.00	0.02	0.021	0					0.52
98.667	0.00	0.02	0.021	0					0.52
98.750	0.00	0.02	0.021	0					0.52
98.833	0.00	0.02	0.021	0					0.51
98.917	0.00	0.02	0.021	0					0.51
99.000	0.00	0.02	0.021	0					0.51
99.083	0.00	0.02	0.020	0					0.50
99.167	0.00	0.02	0.020	0					0.50
99.250	0.00	0.02	0.020	0					0.50
99.333	0.00	0.02	0.020	0					0.49
99.417	0.00	0.02	0.020	0					0.49
99.500	0.00	0.02	0.020	0					0.49
99.583	0.00	0.02	0.020	0					0.49
99.667	0.00	0.02	0.019	0					0.48
99.750	0.00	0.02	0.019	0					0.48
99.833	0.00	0.02	0.019	0					0.48
99.917	0.00	0.02	0.019	0					0.47
100.000	0.00	0.02	0.019	0					0.47
100.083	0.00	0.02	0.019	0					0.47
100.167	0.00	0.02	0.019	0					0.47
100.250	0.00	0.02	0.019	0					0.46
100.333	0.00	0.02	0.018	0					0.46
100.417	0.00	0.02	0.018	0					0.46
100.500	0.00	0.02	0.018	0					0.45
100.583	0.00	0.02	0.018	0					0.45
100.667	0.00	0.02	0.018	0					0.45
100.750	0.00	0.02	0.018	0					0.45
100.833	0.00	0.02	0.018	0					0.44
100.917	0.00	0.02	0.017	0					0.44
101.000	0.00	0.02	0.017	0					0.44
101.083	0.00	0.02	0.017	0					0.43
101.167	0.00	0.02	0.017	0					0.43
101.250	0.00	0.02	0.017	0					0.43
101.333	0.00	0.02	0.017	0					0.43
101.417	0.00	0.02	0.017	0					0.42
101.500	0.00	0.02	0.017	0					0.42
101.583	0.00	0.02	0.017	0					0.42
101.667	0.00	0.02	0.016	0					0.42
101.750	0.00	0.02	0.016	0					0.41
101.833	0.00	0.02	0.016	0					0.41

101.917	0.00	0.02	0.016	0					0.41
102.000	0.00	0.02	0.016	0					0.41
102.083	0.00	0.02	0.016	0					0.40
102.167	0.00	0.02	0.016	0					0.40
102.250	0.00	0.02	0.016	0					0.40
102.333	0.00	0.02	0.015	0					0.40
102.417	0.00	0.02	0.015	0					0.39
102.500	0.00	0.02	0.015	0					0.39
102.583	0.00	0.02	0.015	0					0.39
102.667	0.00	0.02	0.015	0					0.39
102.750	0.00	0.02	0.015	0					0.38
102.833	0.00	0.02	0.015	0					0.38
102.917	0.00	0.02	0.015	0					0.38
103.000	0.00	0.02	0.015	0					0.38
103.083	0.00	0.02	0.014	0					0.37
103.167	0.00	0.02	0.014	0					0.37
103.250	0.00	0.02	0.014	0					0.37
103.333	0.00	0.02	0.014	0					0.37
103.417	0.00	0.02	0.014	0					0.36
103.500	0.00	0.02	0.014	0					0.36
103.583	0.00	0.02	0.014	0					0.36
103.667	0.00	0.02	0.014	0					0.36
103.750	0.00	0.02	0.014	0					0.35
103.833	0.00	0.02	0.013	0					0.35
103.917	0.00	0.02	0.013	0					0.35
104.000	0.00	0.02	0.013	0					0.35
104.083	0.00	0.02	0.013	0					0.34
104.167	0.00	0.02	0.013	0					0.34
104.250	0.00	0.02	0.013	0					0.34
104.333	0.00	0.02	0.013	0					0.34
104.417	0.00	0.02	0.013	0					0.33
104.500	0.00	0.01	0.013	0					0.33
104.583	0.00	0.01	0.012	0					0.33
104.667	0.00	0.01	0.012	0					0.33
104.750	0.00	0.01	0.012	0					0.33
104.833	0.00	0.01	0.012	0					0.32
104.917	0.00	0.01	0.012	0					0.32
105.000	0.00	0.01	0.012	0					0.32
105.083	0.00	0.01	0.012	0					0.32
105.167	0.00	0.01	0.012	0					0.31
105.250	0.00	0.01	0.012	0					0.31
105.333	0.00	0.01	0.012	0					0.31
105.417	0.00	0.01	0.011	0					0.31
105.500	0.00	0.01	0.011	0					0.31
105.583	0.00	0.01	0.011	0					0.30
105.667	0.00	0.01	0.011	0					0.30
105.750	0.00	0.01	0.011	0					0.30
105.833	0.00	0.01	0.011	0					0.30
105.917	0.00	0.01	0.011	0					0.30
106.000	0.00	0.01	0.011	0					0.29

106.083	0.00	0.01	0.011	0					0.29
106.167	0.00	0.01	0.011	0					0.29
106.250	0.00	0.01	0.011	0					0.29
106.333	0.00	0.01	0.010	0					0.29
106.417	0.00	0.01	0.010	0					0.28
106.500	0.00	0.01	0.010	0					0.28
106.583	0.00	0.01	0.010	0					0.28
106.667	0.00	0.01	0.010	0					0.28
106.750	0.00	0.01	0.010	0					0.28
106.833	0.00	0.01	0.010	0					0.27
106.917	0.00	0.01	0.010	0					0.27
107.000	0.00	0.01	0.010	0					0.27
107.083	0.00	0.01	0.010	0					0.27
107.167	0.00	0.01	0.010	0					0.27
107.250	0.00	0.01	0.009	0					0.26
107.333	0.00	0.01	0.009	0					0.26
107.417	0.00	0.01	0.009	0					0.26
107.500	0.00	0.01	0.009	0					0.26
107.583	0.00	0.01	0.009	0					0.26
107.667	0.00	0.01	0.009	0					0.25
107.750	0.00	0.01	0.009	0					0.25
107.833	0.00	0.01	0.009	0					0.25
107.917	0.00	0.01	0.009	0					0.25
108.000	0.00	0.01	0.009	0					0.25
108.083	0.00	0.01	0.009	0					0.24
108.167	0.00	0.01	0.008	0					0.24
108.250	0.00	0.01	0.008	0					0.24
108.333	0.00	0.01	0.008	0					0.24
108.417	0.00	0.01	0.008	0					0.24
108.500	0.00	0.01	0.008	0					0.23
108.583	0.00	0.01	0.008	0					0.23
108.667	0.00	0.01	0.008	0					0.23
108.750	0.00	0.01	0.008	0					0.23
108.833	0.00	0.01	0.008	0					0.23
108.917	0.00	0.01	0.008	0					0.23
109.000	0.00	0.01	0.008	0					0.22
109.083	0.00	0.01	0.008	0					0.22
109.167	0.00	0.01	0.007	0					0.22
109.250	0.00	0.01	0.007	0					0.22
109.333	0.00	0.01	0.007	0					0.22
109.417	0.00	0.01	0.007	0					0.22
109.500	0.00	0.01	0.007	0					0.21
109.583	0.00	0.01	0.007	0					0.21
109.667	0.00	0.01	0.007	0					0.21
109.750	0.00	0.01	0.007	0					0.21
109.833	0.00	0.01	0.007	0					0.21
109.917	0.00	0.01	0.007	0					0.21
110.000	0.00	0.01	0.007	0					0.20
110.083	0.00	0.01	0.007	0					0.20
110.167	0.00	0.01	0.007	0					0.20

110.250	0.00	0.01	0.006	0					0.20
110.333	0.00	0.01	0.006	0					0.20
110.417	0.00	0.01	0.006	0					0.20
110.500	0.00	0.01	0.006	0					0.19
110.583	0.00	0.01	0.006	0					0.19
110.667	0.00	0.01	0.006	0					0.19
110.750	0.00	0.01	0.006	0					0.19
110.833	0.00	0.01	0.006	0					0.19
110.917	0.00	0.01	0.006	0					0.19
111.000	0.00	0.01	0.006	0					0.18
111.083	0.00	0.01	0.006	0					0.18
111.167	0.00	0.01	0.006	0					0.18
111.250	0.00	0.01	0.006	0					0.18
111.333	0.00	0.01	0.006	0					0.18
111.417	0.00	0.01	0.005	0					0.18
111.500	0.00	0.01	0.005	0					0.17
111.583	0.00	0.01	0.005	0					0.17
111.667	0.00	0.01	0.005	0					0.17
111.750	0.00	0.01	0.005	0					0.17
111.833	0.00	0.01	0.005	0					0.17
111.917	0.00	0.01	0.005	0					0.17
112.000	0.00	0.01	0.005	0					0.17
112.083	0.00	0.01	0.005	0					0.16
112.167	0.00	0.01	0.005	0					0.16
112.250	0.00	0.01	0.005	0					0.16
112.333	0.00	0.01	0.005	0					0.16
112.417	0.00	0.01	0.005	0					0.16
112.500	0.00	0.01	0.005	0					0.16
112.583	0.00	0.01	0.005	0					0.15
112.667	0.00	0.01	0.004	0					0.15
112.750	0.00	0.01	0.004	0					0.15
112.833	0.00	0.01	0.004	0					0.15
112.917	0.00	0.01	0.004	0					0.15
113.000	0.00	0.01	0.004	0					0.15
113.083	0.00	0.01	0.004	0					0.15
113.167	0.00	0.01	0.004	0					0.14
113.250	0.00	0.01	0.004	0					0.14
113.333	0.00	0.01	0.004	0					0.14
113.417	0.00	0.01	0.004	0					0.14
113.500	0.00	0.01	0.004	0					0.14
113.583	0.00	0.01	0.004	0					0.14
113.667	0.00	0.01	0.004	0					0.14
113.750	0.00	0.01	0.004	0					0.14
113.833	0.00	0.01	0.004	0					0.13
113.917	0.00	0.01	0.003	0					0.13
114.000	0.00	0.01	0.003	0					0.13
114.083	0.00	0.01	0.003	0					0.13
114.167	0.00	0.01	0.003	0					0.13
114.250	0.00	0.01	0.003	0					0.13
114.333	0.00	0.01	0.003	0					0.13

114.417	0.00	0.01	0.003	0					0.12
114.500	0.00	0.01	0.003	0					0.12
114.583	0.00	0.01	0.003	0					0.12
114.667	0.00	0.01	0.003	0					0.12
114.750	0.00	0.01	0.003	0					0.12
114.833	0.00	0.01	0.003	0					0.12
114.917	0.00	0.01	0.003	0					0.12
115.000	0.00	0.01	0.003	0					0.12
115.083	0.00	0.01	0.003	0					0.11
115.167	0.00	0.01	0.003	0					0.11
115.250	0.00	0.01	0.003	0					0.11
115.333	0.00	0.01	0.002	0					0.11
115.417	0.00	0.01	0.002	0					0.11
115.500	0.00	0.01	0.002	0					0.11
115.583	0.00	0.01	0.002	0					0.11
115.667	0.00	0.01	0.002	0					0.11
115.750	0.00	0.01	0.002	0					0.10
115.833	0.00	0.01	0.002	0					0.10
115.917	0.00	0.01	0.002	0					0.10
116.000	0.00	0.01	0.002	0					0.10
116.083	0.00	0.01	0.002	0					0.10
116.167	0.00	0.01	0.002	0					0.10
116.250	0.00	0.01	0.002	0					0.09
116.333	0.00	0.01	0.002	0					0.09
116.417	0.00	0.01	0.002	0					0.09
116.500	0.00	0.01	0.002	0					0.09
116.583	0.00	0.01	0.002	0					0.08
116.667	0.00	0.01	0.002	0					0.08
116.750	0.00	0.01	0.002	0					0.08
116.833	0.00	0.01	0.002	0					0.08
116.917	0.00	0.01	0.001	0					0.07
117.000	0.00	0.01	0.001	0					0.07
117.083	0.00	0.01	0.001	0					0.07
117.167	0.00	0.01	0.001	0					0.07
117.250	0.00	0.01	0.001	0					0.07
117.333	0.00	0.01	0.001	0					0.06
117.417	0.00	0.01	0.001	0					0.06
117.500	0.00	0.00	0.001	0					0.06
117.583	0.00	0.00	0.001	0					0.06
117.667	0.00	0.00	0.001	0					0.06
117.750	0.00	0.00	0.001	0					0.06
117.833	0.00	0.00	0.001	0					0.05
117.917	0.00	0.00	0.001	0					0.05
118.000	0.00	0.00	0.001	0					0.05
118.083	0.00	0.00	0.001	0					0.05
118.167	0.00	0.00	0.001	0					0.05
118.250	0.00	0.00	0.001	0					0.05
118.333	0.00	0.00	0.001	0					0.05
118.417	0.00	0.00	0.001	0					0.05
118.500	0.00	0.00	0.001	0					0.04

118.583	0.00	0.00	0.001	0					0.04
118.667	0.00	0.00	0.001	0					0.04
118.750	0.00	0.00	0.001	0					0.04
118.833	0.00	0.00	0.001	0					0.04
118.917	0.00	0.00	0.001	0					0.04
119.000	0.00	0.00	0.001	0					0.04
119.083	0.00	0.00	0.001	0					0.04
119.167	0.00	0.00	0.001	0					0.04
119.250	0.00	0.00	0.001	0					0.03
119.333	0.00	0.00	0.001	0					0.03
119.417	0.00	0.00	0.001	0					0.03
119.500	0.00	0.00	0.001	0					0.03
119.583	0.00	0.00	0.001	0					0.03
119.667	0.00	0.00	0.001	0					0.03
119.750	0.00	0.00	0.001	0					0.03
119.833	0.00	0.00	0.001	0					0.03
119.917	0.00	0.00	0.001	0					0.03
120.000	0.00	0.00	0.001	0					0.03
120.083	0.00	0.00	0.001	0					0.03
120.167	0.00	0.00	0.001	0					0.03
120.250	0.00	0.00	0.000	0					0.02
120.333	0.00	0.00	0.000	0					0.02
120.417	0.00	0.00	0.000	0					0.02
120.500	0.00	0.00	0.000	0					0.02
120.583	0.00	0.00	0.000	0					0.02
120.667	0.00	0.00	0.000	0					0.02
120.750	0.00	0.00	0.000	0					0.02
120.833	0.00	0.00	0.000	0					0.02
120.917	0.00	0.00	0.000	0					0.02
121.000	0.00	0.00	0.000	0					0.02
121.083	0.00	0.00	0.000	0					0.02
121.167	0.00	0.00	0.000	0					0.02
121.250	0.00	0.00	0.000	0					0.02
121.333	0.00	0.00	0.000	0					0.02
121.417	0.00	0.00	0.000	0					0.02
121.500	0.00	0.00	0.000	0					0.02
121.583	0.00	0.00	0.000	0					0.02
121.667	0.00	0.00	0.000	0					0.02
121.750	0.00	0.00	0.000	0					0.02
121.833	0.00	0.00	0.000	0					0.01
121.917	0.00	0.00	0.000	0					0.01
122.000	0.00	0.00	0.000	0					0.01
122.083	0.00	0.00	0.000	0					0.01
122.167	0.00	0.00	0.000	0					0.01
122.250	0.00	0.00	0.000	0					0.01
122.333	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1468

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.665 (CFS)

Total volume = 0.582 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
10 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da3610.rte
*****HYDROGRAPH DATA*****
Number of intervals = 73
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.123 (CFS)
Total volume = 0.351 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 73
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.56	2.34	3.12	Depth (Ft.)
0.083	0.16	0.00	0.001	OI					0.03
0.167	0.27	0.01	0.002	O I					0.10
0.250	0.29	0.01	0.004	O I					0.14
0.333	0.29	0.01	0.006	O I					0.18
0.417	0.29	0.01	0.008	O I					0.23
0.500	0.32	0.01	0.010	O I					0.27
0.583	0.34	0.01	0.012	O I					0.32
0.667	0.34	0.02	0.014	O I					0.37
0.750	0.34	0.02	0.016	O I					0.41
0.833	0.34	0.02	0.018	O I					0.46
0.917	0.34	0.02	0.021	O I					0.51
1.000	0.37	0.02	0.023	O I					0.56
1.083	0.38	0.02	0.025	O I					0.61
1.167	0.38	0.03	0.028	O I					0.67
1.250	0.38	0.03	0.030	O I					0.72
1.333	0.38	0.03	0.033	O I					0.78
1.417	0.38	0.03	0.035	O I					0.83
1.500	0.38	0.03	0.038	O I					0.88
1.583	0.38	0.03	0.040	O I					0.94
1.667	0.38	0.03	0.043	O I					0.99
1.750	0.38	0.04	0.045	O I					1.03
1.833	0.38	0.04	0.047	O I					1.06

1.917	0.38	0.04	0.050	0	I						1.10
2.000	0.42	0.04	0.052	0	I						1.13
2.083	0.40	0.04	0.055	0	I						1.17
2.167	0.42	0.04	0.057	0	I						1.21
2.250	0.43	0.04	0.060	0	I						1.24
2.333	0.43	0.04	0.063	0	I						1.28
2.417	0.43	0.04	0.065	0	I						1.32
2.500	0.43	0.04	0.068	0	I						1.36
2.583	0.43	0.04	0.071	0	I						1.40
2.667	0.43	0.04	0.074	0	I						1.44
2.750	0.46	0.04	0.076	0	I						1.48
2.833	0.48	0.04	0.079	0	I						1.52
2.917	0.48	0.04	0.082	0	I						1.56
3.000	0.48	0.04	0.085	0	I						1.61
3.083	0.48	0.04	0.088	0	I						1.65
3.167	0.51	0.05	0.091	0	I						1.69
3.250	0.53	0.05	0.095	0	I						1.74
3.333	0.53	0.05	0.098	0	I						1.79
3.417	0.56	0.05	0.102	0	I						1.84
3.500	0.61	0.05	0.105	0	I						1.89
3.583	0.66	0.05	0.109	0	I						1.95
3.667	0.67	0.05	0.113	0	I						2.01
3.750	0.71	0.05	0.118	0	I						2.06
3.833	0.72	0.05	0.122	0	I						2.11
3.917	0.75	0.05	0.127	0	I						2.17
4.000	0.77	0.05	0.132	0	I						2.23
4.083	0.80	0.05	0.137	0	I						2.29
4.167	0.85	0.05	0.142	0	I						2.35
4.250	0.90	0.05	0.148	0	I						2.42
4.333	0.96	0.06	0.154	0	I						2.49
4.417	1.02	0.06	0.160	0	I						2.57
4.500	1.04	0.06	0.167	0	I						2.65
4.583	1.09	0.06	0.174	0	I						2.74
4.667	1.15	0.06	0.181	0	I						2.82
4.750	1.22	0.06	0.189	0	I						2.92
4.833	1.24	0.06	0.197	0	I						3.01
4.917	1.28	0.06	0.205	0	I						3.11
5.000	1.35	0.06	0.214	0	I						3.21
5.083	1.58	0.06	0.224	0	I						3.32
5.167	1.91	0.07	0.235	0	I						3.46
5.250	2.15	0.07	0.249	0	I						3.61
5.333	2.34	0.07	0.264	0	I						3.79
5.417	2.62	0.07	0.280	0	I						3.98
5.500	3.12	0.07	0.300	0	I						4.21
5.583	1.71	0.07	0.316	0	I						4.39
5.667	0.59	0.07	0.323	0	I						4.48
5.750	0.34	0.08	0.326	0	I						4.51
5.833	0.26	0.08	0.328	0	I						4.53
5.917	0.18	0.08	0.328	0	I						4.54
6.000	0.11	0.08	0.329	0	I						4.55

6.083	0.03	0.08	0.329	0					4.55
6.167	0.00	0.08	0.328	0					4.54
6.250	0.00	0.08	0.328	0					4.53
6.333	0.00	0.08	0.327	0					4.53
6.417	0.00	0.08	0.327	0					4.52
6.500	0.00	0.08	0.326	0					4.52
6.583	0.00	0.08	0.326	0					4.51
6.667	0.00	0.08	0.325	0					4.50
6.750	0.00	0.07	0.325	0					4.50
6.833	0.00	0.07	0.324	0					4.49
6.917	0.00	0.07	0.324	0					4.48
7.000	0.00	0.07	0.323	0					4.48
7.083	0.00	0.07	0.323	0					4.47
7.167	0.00	0.07	0.322	0					4.47
7.250	0.00	0.07	0.322	0					4.46
7.333	0.00	0.07	0.321	0					4.45
7.417	0.00	0.07	0.321	0					4.45
7.500	0.00	0.07	0.320	0					4.44
7.583	0.00	0.07	0.320	0					4.44
7.667	0.00	0.07	0.319	0					4.43
7.750	0.00	0.07	0.319	0					4.42
7.833	0.00	0.07	0.318	0					4.42
7.917	0.00	0.07	0.318	0					4.41
8.000	0.00	0.07	0.317	0					4.41
8.083	0.00	0.07	0.316	0					4.40
8.167	0.00	0.07	0.316	0					4.39
8.250	0.00	0.07	0.315	0					4.39
8.333	0.00	0.07	0.315	0					4.38
8.417	0.00	0.07	0.314	0					4.38
8.500	0.00	0.07	0.314	0					4.37
8.583	0.00	0.07	0.313	0					4.37
8.667	0.00	0.07	0.313	0					4.36
8.750	0.00	0.07	0.312	0					4.35
8.833	0.00	0.07	0.312	0					4.35
8.917	0.00	0.07	0.311	0					4.34
9.000	0.00	0.07	0.311	0					4.34
9.083	0.00	0.07	0.310	0					4.33
9.167	0.00	0.07	0.310	0					4.32
9.250	0.00	0.07	0.309	0					4.32
9.333	0.00	0.07	0.309	0					4.31
9.417	0.00	0.07	0.308	0					4.31
9.500	0.00	0.07	0.308	0					4.30
9.583	0.00	0.07	0.307	0					4.29
9.667	0.00	0.07	0.307	0					4.29
9.750	0.00	0.07	0.306	0					4.28
9.833	0.00	0.07	0.306	0					4.28
9.917	0.00	0.07	0.305	0					4.27
10.000	0.00	0.07	0.305	0					4.27
10.083	0.00	0.07	0.304	0					4.26
10.167	0.00	0.07	0.304	0					4.25

10.250	0.00	0.07	0.303	0					4.25
10.333	0.00	0.07	0.303	0					4.24
10.417	0.00	0.07	0.302	0					4.24
10.500	0.00	0.07	0.302	0					4.23
10.583	0.00	0.07	0.301	0					4.22
10.667	0.00	0.07	0.301	0					4.22
10.750	0.00	0.07	0.300	0					4.21
10.833	0.00	0.07	0.300	0					4.21
10.917	0.00	0.07	0.299	0					4.20
11.000	0.00	0.07	0.299	0					4.20
11.083	0.00	0.07	0.298	0					4.19
11.167	0.00	0.07	0.298	0					4.18
11.250	0.00	0.07	0.297	0					4.18
11.333	0.00	0.07	0.297	0					4.17
11.417	0.00	0.07	0.296	0					4.17
11.500	0.00	0.07	0.296	0					4.16
11.583	0.00	0.07	0.295	0					4.15
11.667	0.00	0.07	0.295	0					4.15
11.750	0.00	0.07	0.294	0					4.14
11.833	0.00	0.07	0.294	0					4.14
11.917	0.00	0.07	0.293	0					4.13
12.000	0.00	0.07	0.293	0					4.13
12.083	0.00	0.07	0.292	0					4.12
12.167	0.00	0.07	0.292	0					4.11
12.250	0.00	0.07	0.291	0					4.11
12.333	0.00	0.07	0.291	0					4.10
12.417	0.00	0.07	0.290	0					4.10
12.500	0.00	0.07	0.290	0					4.09
12.583	0.00	0.07	0.289	0					4.09
12.667	0.00	0.07	0.289	0					4.08
12.750	0.00	0.07	0.288	0					4.07
12.833	0.00	0.07	0.288	0					4.07
12.917	0.00	0.07	0.287	0					4.06
13.000	0.00	0.07	0.287	0					4.06
13.083	0.00	0.07	0.286	0					4.05
13.167	0.00	0.07	0.286	0					4.05
13.250	0.00	0.07	0.285	0					4.04
13.333	0.00	0.07	0.285	0					4.03
13.417	0.00	0.07	0.284	0					4.03
13.500	0.00	0.07	0.284	0					4.02
13.583	0.00	0.07	0.283	0					4.02
13.667	0.00	0.07	0.283	0					4.01
13.750	0.00	0.07	0.282	0					4.01
13.833	0.00	0.07	0.282	0					4.00
13.917	0.00	0.07	0.281	0					3.99
14.000	0.00	0.07	0.281	0					3.99
14.083	0.00	0.07	0.281	0					3.98
14.167	0.00	0.07	0.280	0					3.98
14.250	0.00	0.07	0.280	0					3.97
14.333	0.00	0.07	0.279	0					3.97

14.417	0.00	0.07	0.279	0					3.96
14.500	0.00	0.07	0.278	0					3.95
14.583	0.00	0.07	0.278	0					3.95
14.667	0.00	0.07	0.277	0					3.94
14.750	0.00	0.07	0.277	0					3.94
14.833	0.00	0.07	0.276	0					3.93
14.917	0.00	0.07	0.276	0					3.93
15.000	0.00	0.07	0.275	0					3.92
15.083	0.00	0.07	0.275	0					3.92
15.167	0.00	0.07	0.274	0					3.91
15.250	0.00	0.07	0.274	0					3.90
15.333	0.00	0.07	0.273	0					3.90
15.417	0.00	0.07	0.273	0					3.89
15.500	0.00	0.07	0.272	0					3.89
15.583	0.00	0.07	0.272	0					3.88
15.667	0.00	0.07	0.271	0					3.88
15.750	0.00	0.07	0.271	0					3.87
15.833	0.00	0.07	0.270	0					3.86
15.917	0.00	0.07	0.270	0					3.86
16.000	0.00	0.07	0.269	0					3.85
16.083	0.00	0.07	0.269	0					3.85
16.167	0.00	0.07	0.268	0					3.84
16.250	0.00	0.07	0.268	0					3.84
16.333	0.00	0.07	0.267	0					3.83
16.417	0.00	0.07	0.267	0					3.83
16.500	0.00	0.07	0.267	0					3.82
16.583	0.00	0.07	0.266	0					3.81
16.667	0.00	0.07	0.266	0					3.81
16.750	0.00	0.07	0.265	0					3.80
16.833	0.00	0.07	0.265	0					3.80
16.917	0.00	0.07	0.264	0					3.79
17.000	0.00	0.07	0.264	0					3.79
17.083	0.00	0.07	0.263	0					3.78
17.167	0.00	0.07	0.263	0					3.78
17.250	0.00	0.07	0.262	0					3.77
17.333	0.00	0.07	0.262	0					3.76
17.417	0.00	0.07	0.261	0					3.76
17.500	0.00	0.07	0.261	0					3.75
17.583	0.00	0.07	0.260	0					3.75
17.667	0.00	0.07	0.260	0					3.74
17.750	0.00	0.07	0.259	0					3.74
17.833	0.00	0.07	0.259	0					3.73
17.917	0.00	0.07	0.258	0					3.73
18.000	0.00	0.07	0.258	0					3.72
18.083	0.00	0.07	0.258	0					3.72
18.167	0.00	0.07	0.257	0					3.71
18.250	0.00	0.07	0.257	0					3.70
18.333	0.00	0.07	0.256	0					3.70
18.417	0.00	0.07	0.256	0					3.69
18.500	0.00	0.07	0.255	0					3.69

18.583	0.00	0.07	0.255	0					3.68
18.667	0.00	0.07	0.254	0					3.68
18.750	0.00	0.07	0.254	0					3.67
18.833	0.00	0.07	0.253	0					3.67
18.917	0.00	0.07	0.253	0					3.66
19.000	0.00	0.07	0.252	0					3.66
19.083	0.00	0.07	0.252	0					3.65
19.167	0.00	0.07	0.251	0					3.65
19.250	0.00	0.07	0.251	0					3.64
19.333	0.00	0.07	0.251	0					3.63
19.417	0.00	0.07	0.250	0					3.63
19.500	0.00	0.07	0.250	0					3.62
19.583	0.00	0.07	0.249	0					3.62
19.667	0.00	0.07	0.249	0					3.61
19.750	0.00	0.07	0.248	0					3.61
19.833	0.00	0.07	0.248	0					3.60
19.917	0.00	0.07	0.247	0					3.60
20.000	0.00	0.07	0.247	0					3.59
20.083	0.00	0.07	0.246	0					3.59
20.167	0.00	0.07	0.246	0					3.58
20.250	0.00	0.07	0.245	0					3.58
20.333	0.00	0.07	0.245	0					3.57
20.417	0.00	0.07	0.245	0					3.56
20.500	0.00	0.07	0.244	0					3.56
20.583	0.00	0.07	0.244	0					3.55
20.667	0.00	0.07	0.243	0					3.55
20.750	0.00	0.07	0.243	0					3.54
20.833	0.00	0.07	0.242	0					3.54
20.917	0.00	0.07	0.242	0					3.53
21.000	0.00	0.07	0.241	0					3.53
21.083	0.00	0.07	0.241	0					3.52
21.167	0.00	0.07	0.240	0					3.52
21.250	0.00	0.07	0.240	0					3.51
21.333	0.00	0.07	0.240	0					3.51
21.417	0.00	0.07	0.239	0					3.50
21.500	0.00	0.07	0.239	0					3.50
21.583	0.00	0.07	0.238	0					3.49
21.667	0.00	0.07	0.238	0					3.48
21.750	0.00	0.07	0.237	0					3.48
21.833	0.00	0.07	0.237	0					3.47
21.917	0.00	0.07	0.236	0					3.47
22.000	0.00	0.07	0.236	0					3.46
22.083	0.00	0.07	0.235	0					3.46
22.167	0.00	0.07	0.235	0					3.45
22.250	0.00	0.07	0.235	0					3.45
22.333	0.00	0.07	0.234	0					3.44
22.417	0.00	0.07	0.234	0					3.44
22.500	0.00	0.07	0.233	0					3.43
22.583	0.00	0.07	0.233	0					3.43
22.667	0.00	0.07	0.232	0					3.42

22.750	0.00	0.07	0.232	0					3.42
22.833	0.00	0.07	0.231	0					3.41
22.917	0.00	0.07	0.231	0					3.41
23.000	0.00	0.07	0.230	0					3.40
23.083	0.00	0.06	0.230	0					3.40
23.167	0.00	0.06	0.230	0					3.39
23.250	0.00	0.06	0.229	0					3.39
23.333	0.00	0.06	0.229	0					3.38
23.417	0.00	0.06	0.228	0					3.38
23.500	0.00	0.06	0.228	0					3.37
23.583	0.00	0.06	0.227	0					3.36
23.667	0.00	0.06	0.227	0					3.36
23.750	0.00	0.06	0.226	0					3.35
23.833	0.00	0.06	0.226	0					3.35
23.917	0.00	0.06	0.226	0					3.34
24.000	0.00	0.06	0.225	0					3.34
24.083	0.00	0.06	0.225	0					3.33
24.167	0.00	0.06	0.224	0					3.33
24.250	0.00	0.06	0.224	0					3.32
24.333	0.00	0.06	0.223	0					3.32
24.417	0.00	0.06	0.223	0					3.31
24.500	0.00	0.06	0.222	0					3.31
24.583	0.00	0.06	0.222	0					3.30
24.667	0.00	0.06	0.222	0					3.30
24.750	0.00	0.06	0.221	0					3.29
24.833	0.00	0.06	0.221	0					3.29
24.917	0.00	0.06	0.220	0					3.28
25.000	0.00	0.06	0.220	0					3.28
25.083	0.00	0.06	0.219	0					3.27
25.167	0.00	0.06	0.219	0					3.27
25.250	0.00	0.06	0.219	0					3.26
25.333	0.00	0.06	0.218	0					3.26
25.417	0.00	0.06	0.218	0					3.25
25.500	0.00	0.06	0.217	0					3.25
25.583	0.00	0.06	0.217	0					3.24
25.667	0.00	0.06	0.216	0					3.24
25.750	0.00	0.06	0.216	0					3.23
25.833	0.00	0.06	0.215	0					3.23
25.917	0.00	0.06	0.215	0					3.22
26.000	0.00	0.06	0.215	0					3.22
26.083	0.00	0.06	0.214	0					3.21
26.167	0.00	0.06	0.214	0					3.21
26.250	0.00	0.06	0.213	0					3.20
26.333	0.00	0.06	0.213	0					3.20
26.417	0.00	0.06	0.212	0					3.19
26.500	0.00	0.06	0.212	0					3.19
26.583	0.00	0.06	0.212	0					3.18
26.667	0.00	0.06	0.211	0					3.18
26.750	0.00	0.06	0.211	0					3.17
26.833	0.00	0.06	0.210	0					3.17

26.917	0.00	0.06	0.210	0					3.16
27.000	0.00	0.06	0.209	0					3.16
27.083	0.00	0.06	0.209	0					3.15
27.167	0.00	0.06	0.209	0					3.15
27.250	0.00	0.06	0.208	0					3.14
27.333	0.00	0.06	0.208	0					3.14
27.417	0.00	0.06	0.207	0					3.13
27.500	0.00	0.06	0.207	0					3.13
27.583	0.00	0.06	0.206	0					3.12
27.667	0.00	0.06	0.206	0					3.12
27.750	0.00	0.06	0.206	0					3.11
27.833	0.00	0.06	0.205	0					3.11
27.917	0.00	0.06	0.205	0					3.10
28.000	0.00	0.06	0.204	0					3.10
28.083	0.00	0.06	0.204	0					3.09
28.167	0.00	0.06	0.203	0					3.09
28.250	0.00	0.06	0.203	0					3.08
28.333	0.00	0.06	0.203	0					3.08
28.417	0.00	0.06	0.202	0					3.07
28.500	0.00	0.06	0.202	0					3.07
28.583	0.00	0.06	0.201	0					3.06
28.667	0.00	0.06	0.201	0					3.06
28.750	0.00	0.06	0.200	0					3.05
28.833	0.00	0.06	0.200	0					3.05
28.917	0.00	0.06	0.200	0					3.04
29.000	0.00	0.06	0.199	0					3.04
29.083	0.00	0.06	0.199	0					3.03
29.167	0.00	0.06	0.198	0					3.03
29.250	0.00	0.06	0.198	0					3.02
29.333	0.00	0.06	0.197	0					3.02
29.417	0.00	0.06	0.197	0					3.01
29.500	0.00	0.06	0.197	0					3.01
29.583	0.00	0.06	0.196	0					3.00
29.667	0.00	0.06	0.196	0					3.00
29.750	0.00	0.06	0.195	0					2.99
29.833	0.00	0.06	0.195	0					2.99
29.917	0.00	0.06	0.195	0					2.98
30.000	0.00	0.06	0.194	0					2.98
30.083	0.00	0.06	0.194	0					2.97
30.167	0.00	0.06	0.193	0					2.97
30.250	0.00	0.06	0.193	0					2.96
30.333	0.00	0.06	0.192	0					2.96
30.417	0.00	0.06	0.192	0					2.95
30.500	0.00	0.06	0.192	0					2.95
30.583	0.00	0.06	0.191	0					2.94
30.667	0.00	0.06	0.191	0					2.94
30.750	0.00	0.06	0.190	0					2.93
30.833	0.00	0.06	0.190	0					2.93
30.917	0.00	0.06	0.190	0					2.92
31.000	0.00	0.06	0.189	0					2.92

31.083	0.00	0.06	0.189	0					2.91
31.167	0.00	0.06	0.188	0					2.91
31.250	0.00	0.06	0.188	0					2.90
31.333	0.00	0.06	0.187	0					2.90
31.417	0.00	0.06	0.187	0					2.89
31.500	0.00	0.06	0.187	0					2.89
31.583	0.00	0.06	0.186	0					2.88
31.667	0.00	0.06	0.186	0					2.88
31.750	0.00	0.06	0.185	0					2.87
31.833	0.00	0.06	0.185	0					2.87
31.917	0.00	0.06	0.185	0					2.86
32.000	0.00	0.06	0.184	0					2.86
32.083	0.00	0.06	0.184	0					2.85
32.167	0.00	0.06	0.183	0					2.85
32.250	0.00	0.06	0.183	0					2.84
32.333	0.00	0.06	0.183	0					2.84
32.417	0.00	0.06	0.182	0					2.83
32.500	0.00	0.06	0.182	0					2.83
32.583	0.00	0.06	0.181	0					2.82
32.667	0.00	0.06	0.181	0					2.82
32.750	0.00	0.06	0.181	0					2.81
32.833	0.00	0.06	0.180	0					2.81
32.917	0.00	0.06	0.180	0					2.80
33.000	0.00	0.06	0.179	0					2.80
33.083	0.00	0.06	0.179	0					2.79
33.167	0.00	0.06	0.178	0					2.79
33.250	0.00	0.06	0.178	0					2.78
33.333	0.00	0.06	0.178	0					2.78
33.417	0.00	0.06	0.177	0					2.77
33.500	0.00	0.06	0.177	0					2.77
33.583	0.00	0.06	0.176	0					2.76
33.667	0.00	0.06	0.176	0					2.76
33.750	0.00	0.06	0.176	0					2.76
33.833	0.00	0.06	0.175	0					2.75
33.917	0.00	0.06	0.175	0					2.75
34.000	0.00	0.06	0.174	0					2.74
34.083	0.00	0.06	0.174	0					2.74
34.167	0.00	0.06	0.174	0					2.73
34.250	0.00	0.06	0.173	0					2.73
34.333	0.00	0.06	0.173	0					2.72
34.417	0.00	0.06	0.172	0					2.72
34.500	0.00	0.06	0.172	0					2.71
34.583	0.00	0.06	0.172	0					2.71
34.667	0.00	0.06	0.171	0					2.70
34.750	0.00	0.06	0.171	0					2.70
34.833	0.00	0.06	0.170	0					2.69
34.917	0.00	0.06	0.170	0					2.69
35.000	0.00	0.06	0.170	0					2.68
35.083	0.00	0.06	0.169	0					2.68
35.167	0.00	0.06	0.169	0					2.67

35.250	0.00	0.06	0.169	0					2.67
35.333	0.00	0.06	0.168	0					2.66
35.417	0.00	0.06	0.168	0					2.66
35.500	0.00	0.06	0.167	0					2.65
35.583	0.00	0.06	0.167	0					2.65
35.667	0.00	0.06	0.167	0					2.65
35.750	0.00	0.06	0.166	0					2.64
35.833	0.00	0.06	0.166	0					2.64
35.917	0.00	0.06	0.165	0					2.63
36.000	0.00	0.06	0.165	0					2.63
36.083	0.00	0.06	0.165	0					2.62
36.167	0.00	0.06	0.164	0					2.62
36.250	0.00	0.06	0.164	0					2.61
36.333	0.00	0.06	0.163	0					2.61
36.417	0.00	0.06	0.163	0					2.60
36.500	0.00	0.06	0.163	0					2.60
36.583	0.00	0.06	0.162	0					2.59
36.667	0.00	0.06	0.162	0					2.59
36.750	0.00	0.06	0.161	0					2.58
36.833	0.00	0.06	0.161	0					2.58
36.917	0.00	0.06	0.161	0					2.57
37.000	0.00	0.06	0.160	0					2.57
37.083	0.00	0.06	0.160	0					2.57
37.167	0.00	0.06	0.160	0					2.56
37.250	0.00	0.06	0.159	0					2.56
37.333	0.00	0.06	0.159	0					2.55
37.417	0.00	0.06	0.158	0					2.55
37.500	0.00	0.06	0.158	0					2.54
37.583	0.00	0.06	0.158	0					2.54
37.667	0.00	0.06	0.157	0					2.53
37.750	0.00	0.06	0.157	0					2.53
37.833	0.00	0.06	0.156	0					2.52
37.917	0.00	0.06	0.156	0					2.52
38.000	0.00	0.06	0.156	0					2.51
38.083	0.00	0.06	0.155	0					2.51
38.167	0.00	0.06	0.155	0					2.50
38.250	0.00	0.06	0.155	0					2.50
38.333	0.00	0.06	0.154	0					2.50
38.417	0.00	0.06	0.154	0					2.49
38.500	0.00	0.06	0.153	0					2.49
38.583	0.00	0.06	0.153	0					2.48
38.667	0.00	0.06	0.153	0					2.48
38.750	0.00	0.06	0.152	0					2.47
38.833	0.00	0.06	0.152	0					2.47
38.917	0.00	0.06	0.151	0					2.46
39.000	0.00	0.06	0.151	0					2.46
39.083	0.00	0.05	0.151	0					2.45
39.167	0.00	0.05	0.150	0					2.45
39.250	0.00	0.05	0.150	0					2.45
39.333	0.00	0.05	0.150	0					2.44

39.417	0.00	0.05	0.149	0					2.44
39.500	0.00	0.05	0.149	0					2.43
39.583	0.00	0.05	0.148	0					2.43
39.667	0.00	0.05	0.148	0					2.42
39.750	0.00	0.05	0.148	0					2.42
39.833	0.00	0.05	0.147	0					2.41
39.917	0.00	0.05	0.147	0					2.41
40.000	0.00	0.05	0.147	0					2.40
40.083	0.00	0.05	0.146	0					2.40
40.167	0.00	0.05	0.146	0					2.40
40.250	0.00	0.05	0.145	0					2.39
40.333	0.00	0.05	0.145	0					2.39
40.417	0.00	0.05	0.145	0					2.38
40.500	0.00	0.05	0.144	0					2.38
40.583	0.00	0.05	0.144	0					2.37
40.667	0.00	0.05	0.144	0					2.37
40.750	0.00	0.05	0.143	0					2.36
40.833	0.00	0.05	0.143	0					2.36
40.917	0.00	0.05	0.142	0					2.36
41.000	0.00	0.05	0.142	0					2.35
41.083	0.00	0.05	0.142	0					2.35
41.167	0.00	0.05	0.141	0					2.34
41.250	0.00	0.05	0.141	0					2.34
41.333	0.00	0.05	0.141	0					2.33
41.417	0.00	0.05	0.140	0					2.33
41.500	0.00	0.05	0.140	0					2.32
41.583	0.00	0.05	0.140	0					2.32
41.667	0.00	0.05	0.139	0					2.31
41.750	0.00	0.05	0.139	0					2.31
41.833	0.00	0.05	0.138	0					2.31
41.917	0.00	0.05	0.138	0					2.30
42.000	0.00	0.05	0.138	0					2.30
42.083	0.00	0.05	0.137	0					2.29
42.167	0.00	0.05	0.137	0					2.29
42.250	0.00	0.05	0.137	0					2.28
42.333	0.00	0.05	0.136	0					2.28
42.417	0.00	0.05	0.136	0					2.28
42.500	0.00	0.05	0.135	0					2.27
42.583	0.00	0.05	0.135	0					2.27
42.667	0.00	0.05	0.135	0					2.26
42.750	0.00	0.05	0.134	0					2.26
42.833	0.00	0.05	0.134	0					2.25
42.917	0.00	0.05	0.134	0					2.25
43.000	0.00	0.05	0.133	0					2.24
43.083	0.00	0.05	0.133	0					2.24
43.167	0.00	0.05	0.133	0					2.24
43.250	0.00	0.05	0.132	0					2.23
43.333	0.00	0.05	0.132	0					2.23
43.417	0.00	0.05	0.131	0					2.22
43.500	0.00	0.05	0.131	0					2.22

43.583	0.00	0.05	0.131	0					2.21
43.667	0.00	0.05	0.130	0					2.21
43.750	0.00	0.05	0.130	0					2.21
43.833	0.00	0.05	0.130	0					2.20
43.917	0.00	0.05	0.129	0					2.20
44.000	0.00	0.05	0.129	0					2.19
44.083	0.00	0.05	0.129	0					2.19
44.167	0.00	0.05	0.128	0					2.18
44.250	0.00	0.05	0.128	0					2.18
44.333	0.00	0.05	0.128	0					2.18
44.417	0.00	0.05	0.127	0					2.17
44.500	0.00	0.05	0.127	0					2.17
44.583	0.00	0.05	0.126	0					2.16
44.667	0.00	0.05	0.126	0					2.16
44.750	0.00	0.05	0.126	0					2.15
44.833	0.00	0.05	0.125	0					2.15
44.917	0.00	0.05	0.125	0					2.14
45.000	0.00	0.05	0.125	0					2.14
45.083	0.00	0.05	0.124	0					2.14
45.167	0.00	0.05	0.124	0					2.13
45.250	0.00	0.05	0.124	0					2.13
45.333	0.00	0.05	0.123	0					2.12
45.417	0.00	0.05	0.123	0					2.12
45.500	0.00	0.05	0.123	0					2.12
45.583	0.00	0.05	0.122	0					2.11
45.667	0.00	0.05	0.122	0					2.11
45.750	0.00	0.05	0.121	0					2.10
45.833	0.00	0.05	0.121	0					2.10
45.917	0.00	0.05	0.121	0					2.09
46.000	0.00	0.05	0.120	0					2.09
46.083	0.00	0.05	0.120	0					2.09
46.167	0.00	0.05	0.120	0					2.08
46.250	0.00	0.05	0.119	0					2.08
46.333	0.00	0.05	0.119	0					2.07
46.417	0.00	0.05	0.119	0					2.07
46.500	0.00	0.05	0.118	0					2.06
46.583	0.00	0.05	0.118	0					2.06
46.667	0.00	0.05	0.118	0					2.06
46.750	0.00	0.05	0.117	0					2.05
46.833	0.00	0.05	0.117	0					2.05
46.917	0.00	0.05	0.117	0					2.04
47.000	0.00	0.05	0.116	0					2.04
47.083	0.00	0.05	0.116	0					2.03
47.167	0.00	0.05	0.116	0					2.03
47.250	0.00	0.05	0.115	0					2.03
47.333	0.00	0.05	0.115	0					2.02
47.417	0.00	0.05	0.115	0					2.02
47.500	0.00	0.05	0.114	0					2.01
47.583	0.00	0.05	0.114	0					2.01
47.667	0.00	0.05	0.113	0					2.01

47.750	0.00	0.05	0.113	0					2.00
47.833	0.00	0.05	0.113	0					2.00
47.917	0.00	0.05	0.112	0					1.99
48.000	0.00	0.05	0.112	0					1.99
48.083	0.00	0.05	0.112	0					1.98
48.167	0.00	0.05	0.111	0					1.98
48.250	0.00	0.05	0.111	0					1.97
48.333	0.00	0.05	0.111	0					1.97
48.417	0.00	0.05	0.110	0					1.96
48.500	0.00	0.05	0.110	0					1.96
48.583	0.00	0.05	0.110	0					1.95
48.667	0.00	0.05	0.109	0					1.95
48.750	0.00	0.05	0.109	0					1.94
48.833	0.00	0.05	0.109	0					1.94
48.917	0.00	0.05	0.108	0					1.93
49.000	0.00	0.05	0.108	0					1.93
49.083	0.00	0.05	0.108	0					1.92
49.167	0.00	0.05	0.107	0					1.92
49.250	0.00	0.05	0.107	0					1.91
49.333	0.00	0.05	0.107	0					1.91
49.417	0.00	0.05	0.106	0					1.90
49.500	0.00	0.05	0.106	0					1.90
49.583	0.00	0.05	0.106	0					1.90
49.667	0.00	0.05	0.105	0					1.89
49.750	0.00	0.05	0.105	0					1.89
49.833	0.00	0.05	0.105	0					1.88
49.917	0.00	0.05	0.104	0					1.88
50.000	0.00	0.05	0.104	0					1.87
50.083	0.00	0.05	0.104	0					1.87
50.167	0.00	0.05	0.103	0					1.86
50.250	0.00	0.05	0.103	0					1.86
50.333	0.00	0.05	0.103	0					1.85
50.417	0.00	0.05	0.102	0					1.85
50.500	0.00	0.05	0.102	0					1.84
50.583	0.00	0.05	0.102	0					1.84
50.667	0.00	0.05	0.101	0					1.83
50.750	0.00	0.05	0.101	0					1.83
50.833	0.00	0.05	0.101	0					1.82
50.917	0.00	0.05	0.100	0					1.82
51.000	0.00	0.05	0.100	0					1.82
51.083	0.00	0.05	0.100	0					1.81
51.167	0.00	0.05	0.099	0					1.81
51.250	0.00	0.05	0.099	0					1.80
51.333	0.00	0.05	0.099	0					1.80
51.417	0.00	0.05	0.098	0					1.79
51.500	0.00	0.05	0.098	0					1.79
51.583	0.00	0.05	0.098	0					1.78
51.667	0.00	0.05	0.097	0					1.78
51.750	0.00	0.05	0.097	0					1.77
51.833	0.00	0.05	0.097	0					1.77

51.917	0.00	0.05	0.097	0					1.76
52.000	0.00	0.05	0.096	0					1.76
52.083	0.00	0.05	0.096	0					1.76
52.167	0.00	0.05	0.096	0					1.75
52.250	0.00	0.05	0.095	0					1.75
52.333	0.00	0.05	0.095	0					1.74
52.417	0.00	0.05	0.095	0					1.74
52.500	0.00	0.05	0.094	0					1.73
52.583	0.00	0.05	0.094	0					1.73
52.667	0.00	0.05	0.094	0					1.72
52.750	0.00	0.05	0.093	0					1.72
52.833	0.00	0.05	0.093	0					1.71
52.917	0.00	0.05	0.093	0					1.71
53.000	0.00	0.05	0.092	0					1.71
53.083	0.00	0.05	0.092	0					1.70
53.167	0.00	0.05	0.092	0					1.70
53.250	0.00	0.05	0.091	0					1.69
53.333	0.00	0.05	0.091	0					1.69
53.417	0.00	0.05	0.091	0					1.68
53.500	0.00	0.05	0.091	0					1.68
53.583	0.00	0.05	0.090	0					1.67
53.667	0.00	0.05	0.090	0					1.67
53.750	0.00	0.04	0.090	0					1.67
53.833	0.00	0.04	0.089	0					1.66
53.917	0.00	0.04	0.089	0					1.66
54.000	0.00	0.04	0.089	0					1.65
54.083	0.00	0.04	0.088	0					1.65
54.167	0.00	0.04	0.088	0					1.64
54.250	0.00	0.04	0.088	0					1.64
54.333	0.00	0.04	0.087	0					1.63
54.417	0.00	0.04	0.087	0					1.63
54.500	0.00	0.04	0.087	0					1.63
54.583	0.00	0.04	0.087	0					1.62
54.667	0.00	0.04	0.086	0					1.62
54.750	0.00	0.04	0.086	0					1.61
54.833	0.00	0.04	0.086	0					1.61
54.917	0.00	0.04	0.085	0					1.60
55.000	0.00	0.04	0.085	0					1.60
55.083	0.00	0.04	0.085	0					1.60
55.167	0.00	0.04	0.084	0					1.59
55.250	0.00	0.04	0.084	0					1.59
55.333	0.00	0.04	0.084	0					1.58
55.417	0.00	0.04	0.083	0					1.58
55.500	0.00	0.04	0.083	0					1.57
55.583	0.00	0.04	0.083	0					1.57
55.667	0.00	0.04	0.083	0					1.57
55.750	0.00	0.04	0.082	0					1.56
55.833	0.00	0.04	0.082	0					1.56
55.917	0.00	0.04	0.082	0					1.55
56.000	0.00	0.04	0.081	0					1.55

56.083	0.00	0.04	0.081	0					1.54
56.167	0.00	0.04	0.081	0					1.54
56.250	0.00	0.04	0.081	0					1.54
56.333	0.00	0.04	0.080	0					1.53
56.417	0.00	0.04	0.080	0					1.53
56.500	0.00	0.04	0.080	0					1.52
56.583	0.00	0.04	0.079	0					1.52
56.667	0.00	0.04	0.079	0					1.51
56.750	0.00	0.04	0.079	0					1.51
56.833	0.00	0.04	0.078	0					1.51
56.917	0.00	0.04	0.078	0					1.50
57.000	0.00	0.04	0.078	0					1.50
57.083	0.00	0.04	0.078	0					1.49
57.167	0.00	0.04	0.077	0					1.49
57.250	0.00	0.04	0.077	0					1.49
57.333	0.00	0.04	0.077	0					1.48
57.417	0.00	0.04	0.076	0					1.48
57.500	0.00	0.04	0.076	0					1.47
57.583	0.00	0.04	0.076	0					1.47
57.667	0.00	0.04	0.076	0					1.46
57.750	0.00	0.04	0.075	0					1.46
57.833	0.00	0.04	0.075	0					1.46
57.917	0.00	0.04	0.075	0					1.45
58.000	0.00	0.04	0.074	0					1.45
58.083	0.00	0.04	0.074	0					1.44
58.167	0.00	0.04	0.074	0					1.44
58.250	0.00	0.04	0.074	0					1.44
58.333	0.00	0.04	0.073	0					1.43
58.417	0.00	0.04	0.073	0					1.43
58.500	0.00	0.04	0.073	0					1.42
58.583	0.00	0.04	0.072	0					1.42
58.667	0.00	0.04	0.072	0					1.42
58.750	0.00	0.04	0.072	0					1.41
58.833	0.00	0.04	0.072	0					1.41
58.917	0.00	0.04	0.071	0					1.40
59.000	0.00	0.04	0.071	0					1.40
59.083	0.00	0.04	0.071	0					1.40
59.167	0.00	0.04	0.070	0					1.39
59.250	0.00	0.04	0.070	0					1.39
59.333	0.00	0.04	0.070	0					1.38
59.417	0.00	0.04	0.070	0					1.38
59.500	0.00	0.04	0.069	0					1.38
59.583	0.00	0.04	0.069	0					1.37
59.667	0.00	0.04	0.069	0					1.37
59.750	0.00	0.04	0.068	0					1.36
59.833	0.00	0.04	0.068	0					1.36
59.917	0.00	0.04	0.068	0					1.36
60.000	0.00	0.04	0.068	0					1.35
60.083	0.00	0.04	0.067	0					1.35
60.167	0.00	0.04	0.067	0					1.34

60.250	0.00	0.04	0.067	0					1.34
60.333	0.00	0.04	0.066	0					1.34
60.417	0.00	0.04	0.066	0					1.33
60.500	0.00	0.04	0.066	0					1.33
60.583	0.00	0.04	0.066	0					1.32
60.667	0.00	0.04	0.065	0					1.32
60.750	0.00	0.04	0.065	0					1.32
60.833	0.00	0.04	0.065	0					1.31
60.917	0.00	0.04	0.065	0					1.31
61.000	0.00	0.04	0.064	0					1.30
61.083	0.00	0.04	0.064	0					1.30
61.167	0.00	0.04	0.064	0					1.30
61.250	0.00	0.04	0.063	0					1.29
61.333	0.00	0.04	0.063	0					1.29
61.417	0.00	0.04	0.063	0					1.28
61.500	0.00	0.04	0.063	0					1.28
61.583	0.00	0.04	0.062	0					1.28
61.667	0.00	0.04	0.062	0					1.27
61.750	0.00	0.04	0.062	0					1.27
61.833	0.00	0.04	0.062	0					1.27
61.917	0.00	0.04	0.061	0					1.26
62.000	0.00	0.04	0.061	0					1.26
62.083	0.00	0.04	0.061	0					1.25
62.167	0.00	0.04	0.061	0					1.25
62.250	0.00	0.04	0.060	0					1.25
62.333	0.00	0.04	0.060	0					1.24
62.417	0.00	0.04	0.060	0					1.24
62.500	0.00	0.04	0.059	0					1.24
62.583	0.00	0.04	0.059	0					1.23
62.667	0.00	0.04	0.059	0					1.23
62.750	0.00	0.04	0.059	0					1.22
62.833	0.00	0.04	0.058	0					1.22
62.917	0.00	0.04	0.058	0					1.22
63.000	0.00	0.04	0.058	0					1.21
63.083	0.00	0.04	0.058	0					1.21
63.167	0.00	0.04	0.057	0					1.21
63.250	0.00	0.04	0.057	0					1.20
63.333	0.00	0.04	0.057	0					1.20
63.417	0.00	0.04	0.057	0					1.19
63.500	0.00	0.04	0.056	0					1.19
63.583	0.00	0.04	0.056	0					1.19
63.667	0.00	0.04	0.056	0					1.18
63.750	0.00	0.04	0.056	0					1.18
63.833	0.00	0.04	0.055	0					1.18
63.917	0.00	0.04	0.055	0					1.17
64.000	0.00	0.04	0.055	0					1.17
64.083	0.00	0.04	0.054	0					1.16
64.167	0.00	0.04	0.054	0					1.16
64.250	0.00	0.04	0.054	0					1.16
64.333	0.00	0.04	0.054	0					1.15

64.417	0.00	0.04	0.053	0					1.15
64.500	0.00	0.04	0.053	0					1.15
64.583	0.00	0.04	0.053	0					1.14
64.667	0.00	0.04	0.053	0					1.14
64.750	0.00	0.04	0.052	0					1.13
64.833	0.00	0.04	0.052	0					1.13
64.917	0.00	0.04	0.052	0					1.13
65.000	0.00	0.04	0.052	0					1.12
65.083	0.00	0.04	0.051	0					1.12
65.167	0.00	0.04	0.051	0					1.12
65.250	0.00	0.04	0.051	0					1.11
65.333	0.00	0.04	0.051	0					1.11
65.417	0.00	0.04	0.050	0					1.11
65.500	0.00	0.04	0.050	0					1.10
65.583	0.00	0.04	0.050	0					1.10
65.667	0.00	0.04	0.050	0					1.10
65.750	0.00	0.04	0.049	0					1.09
65.833	0.00	0.04	0.049	0					1.09
65.917	0.00	0.04	0.049	0					1.08
66.000	0.00	0.04	0.049	0					1.08
66.083	0.00	0.04	0.048	0					1.08
66.167	0.00	0.04	0.048	0					1.07
66.250	0.00	0.04	0.048	0					1.07
66.333	0.00	0.04	0.048	0					1.07
66.417	0.00	0.04	0.047	0					1.06
66.500	0.00	0.04	0.047	0					1.06
66.583	0.00	0.04	0.047	0					1.06
66.667	0.00	0.04	0.047	0					1.05
66.750	0.00	0.04	0.046	0					1.05
66.833	0.00	0.04	0.046	0					1.05
66.917	0.00	0.04	0.046	0					1.04
67.000	0.00	0.04	0.046	0					1.04
67.083	0.00	0.04	0.045	0					1.03
67.167	0.00	0.04	0.045	0					1.03
67.250	0.00	0.04	0.045	0					1.03
67.333	0.00	0.04	0.045	0					1.02
67.417	0.00	0.04	0.044	0					1.02
67.500	0.00	0.04	0.044	0					1.02
67.583	0.00	0.04	0.044	0					1.01
67.667	0.00	0.04	0.044	0					1.01
67.750	0.00	0.04	0.044	0					1.01
67.833	0.00	0.04	0.043	0					1.00
67.917	0.00	0.04	0.043	0					1.00
68.000	0.00	0.03	0.043	0					1.00
68.083	0.00	0.03	0.043	0					0.99
68.167	0.00	0.03	0.042	0					0.98
68.250	0.00	0.03	0.042	0					0.98
68.333	0.00	0.03	0.042	0					0.97
68.417	0.00	0.03	0.042	0					0.97
68.500	0.00	0.03	0.041	0					0.96

68.583	0.00	0.03	0.041	0					0.96
68.667	0.00	0.03	0.041	0					0.95
68.750	0.00	0.03	0.041	0					0.95
68.833	0.00	0.03	0.040	0					0.94
68.917	0.00	0.03	0.040	0					0.94
69.000	0.00	0.03	0.040	0					0.93
69.083	0.00	0.03	0.040	0					0.93
69.167	0.00	0.03	0.040	0					0.92
69.250	0.00	0.03	0.039	0					0.92
69.333	0.00	0.03	0.039	0					0.91
69.417	0.00	0.03	0.039	0					0.91
69.500	0.00	0.03	0.039	0					0.90
69.583	0.00	0.03	0.038	0					0.90
69.667	0.00	0.03	0.038	0					0.89
69.750	0.00	0.03	0.038	0					0.89
69.833	0.00	0.03	0.038	0					0.88
69.917	0.00	0.03	0.038	0					0.88
70.000	0.00	0.03	0.037	0					0.88
70.083	0.00	0.03	0.037	0					0.87
70.167	0.00	0.03	0.037	0					0.87
70.250	0.00	0.03	0.037	0					0.86
70.333	0.00	0.03	0.036	0					0.86
70.417	0.00	0.03	0.036	0					0.85
70.500	0.00	0.03	0.036	0					0.85
70.583	0.00	0.03	0.036	0					0.84
70.667	0.00	0.03	0.036	0					0.84
70.750	0.00	0.03	0.035	0					0.83
70.833	0.00	0.03	0.035	0					0.83
70.917	0.00	0.03	0.035	0					0.82
71.000	0.00	0.03	0.035	0					0.82
71.083	0.00	0.03	0.035	0					0.82
71.167	0.00	0.03	0.034	0					0.81
71.250	0.00	0.03	0.034	0					0.81
71.333	0.00	0.03	0.034	0					0.80
71.417	0.00	0.03	0.034	0					0.80
71.500	0.00	0.03	0.034	0					0.79
71.583	0.00	0.03	0.033	0					0.79
71.667	0.00	0.03	0.033	0					0.78
71.750	0.00	0.03	0.033	0					0.78
71.833	0.00	0.03	0.033	0					0.78
71.917	0.00	0.03	0.033	0					0.77
72.000	0.00	0.03	0.032	0					0.77
72.083	0.00	0.03	0.032	0					0.76
72.167	0.00	0.03	0.032	0					0.76
72.250	0.00	0.03	0.032	0					0.76
72.333	0.00	0.03	0.032	0					0.75
72.417	0.00	0.03	0.031	0					0.75
72.500	0.00	0.03	0.031	0					0.74
72.583	0.00	0.03	0.031	0					0.74
72.667	0.00	0.03	0.031	0					0.73

72.750	0.00	0.03	0.031	0					0.73
72.833	0.00	0.03	0.031	0					0.73
72.917	0.00	0.03	0.030	0					0.72
73.000	0.00	0.03	0.030	0					0.72
73.083	0.00	0.03	0.030	0					0.71
73.167	0.00	0.03	0.030	0					0.71
73.250	0.00	0.03	0.030	0					0.71
73.333	0.00	0.03	0.029	0					0.70
73.417	0.00	0.03	0.029	0					0.70
73.500	0.00	0.03	0.029	0					0.69
73.583	0.00	0.03	0.029	0					0.69
73.667	0.00	0.03	0.029	0					0.69
73.750	0.00	0.03	0.029	0					0.68
73.833	0.00	0.03	0.028	0					0.68
73.917	0.00	0.03	0.028	0					0.68
74.000	0.00	0.03	0.028	0					0.67
74.083	0.00	0.03	0.028	0					0.67
74.167	0.00	0.02	0.028	0					0.66
74.250	0.00	0.02	0.028	0					0.66
74.333	0.00	0.02	0.027	0					0.66
74.417	0.00	0.02	0.027	0					0.65
74.500	0.00	0.02	0.027	0					0.65
74.583	0.00	0.02	0.027	0					0.65
74.667	0.00	0.02	0.027	0					0.64
74.750	0.00	0.02	0.027	0					0.64
74.833	0.00	0.02	0.026	0					0.63
74.917	0.00	0.02	0.026	0					0.63
75.000	0.00	0.02	0.026	0					0.63
75.083	0.00	0.02	0.026	0					0.62
75.167	0.00	0.02	0.026	0					0.62
75.250	0.00	0.02	0.026	0					0.62
75.333	0.00	0.02	0.025	0					0.61
75.417	0.00	0.02	0.025	0					0.61
75.500	0.00	0.02	0.025	0					0.61
75.583	0.00	0.02	0.025	0					0.60
75.667	0.00	0.02	0.025	0					0.60
75.750	0.00	0.02	0.025	0					0.60
75.833	0.00	0.02	0.024	0					0.59
75.917	0.00	0.02	0.024	0					0.59
76.000	0.00	0.02	0.024	0					0.59
76.083	0.00	0.02	0.024	0					0.58
76.167	0.00	0.02	0.024	0					0.58
76.250	0.00	0.02	0.024	0					0.57
76.333	0.00	0.02	0.023	0					0.57
76.417	0.00	0.02	0.023	0					0.57
76.500	0.00	0.02	0.023	0					0.56
76.583	0.00	0.02	0.023	0					0.56
76.667	0.00	0.02	0.023	0					0.56
76.750	0.00	0.02	0.023	0					0.55
76.833	0.00	0.02	0.023	0					0.55

76.917	0.00	0.02	0.022	0					0.55
77.000	0.00	0.02	0.022	0					0.55
77.083	0.00	0.02	0.022	0					0.54
77.167	0.00	0.02	0.022	0					0.54
77.250	0.00	0.02	0.022	0					0.54
77.333	0.00	0.02	0.022	0					0.53
77.417	0.00	0.02	0.022	0					0.53
77.500	0.00	0.02	0.021	0					0.53
77.583	0.00	0.02	0.021	0					0.52
77.667	0.00	0.02	0.021	0					0.52
77.750	0.00	0.02	0.021	0					0.52
77.833	0.00	0.02	0.021	0					0.51
77.917	0.00	0.02	0.021	0					0.51
78.000	0.00	0.02	0.021	0					0.51
78.083	0.00	0.02	0.020	0					0.50
78.167	0.00	0.02	0.020	0					0.50
78.250	0.00	0.02	0.020	0					0.50
78.333	0.00	0.02	0.020	0					0.50
78.417	0.00	0.02	0.020	0					0.49
78.500	0.00	0.02	0.020	0					0.49
78.583	0.00	0.02	0.020	0					0.49
78.667	0.00	0.02	0.019	0					0.48
78.750	0.00	0.02	0.019	0					0.48
78.833	0.00	0.02	0.019	0					0.48
78.917	0.00	0.02	0.019	0					0.47
79.000	0.00	0.02	0.019	0					0.47
79.083	0.00	0.02	0.019	0					0.47
79.167	0.00	0.02	0.019	0					0.47
79.250	0.00	0.02	0.019	0					0.46
79.333	0.00	0.02	0.018	0					0.46
79.417	0.00	0.02	0.018	0					0.46
79.500	0.00	0.02	0.018	0					0.45
79.583	0.00	0.02	0.018	0					0.45
79.667	0.00	0.02	0.018	0					0.45
79.750	0.00	0.02	0.018	0					0.45
79.833	0.00	0.02	0.018	0					0.44
79.917	0.00	0.02	0.018	0					0.44
80.000	0.00	0.02	0.017	0					0.44
80.083	0.00	0.02	0.017	0					0.44
80.167	0.00	0.02	0.017	0					0.43
80.250	0.00	0.02	0.017	0					0.43
80.333	0.00	0.02	0.017	0					0.43
80.417	0.00	0.02	0.017	0					0.42
80.500	0.00	0.02	0.017	0					0.42
80.583	0.00	0.02	0.017	0					0.42
80.667	0.00	0.02	0.016	0					0.42
80.750	0.00	0.02	0.016	0					0.41
80.833	0.00	0.02	0.016	0					0.41
80.917	0.00	0.02	0.016	0					0.41
81.000	0.00	0.02	0.016	0					0.41

81.083	0.00	0.02	0.016	0					0.40
81.167	0.00	0.02	0.016	0					0.40
81.250	0.00	0.02	0.016	0					0.40
81.333	0.00	0.02	0.015	0					0.40
81.417	0.00	0.02	0.015	0					0.39
81.500	0.00	0.02	0.015	0					0.39
81.583	0.00	0.02	0.015	0					0.39
81.667	0.00	0.02	0.015	0					0.39
81.750	0.00	0.02	0.015	0					0.38
81.833	0.00	0.02	0.015	0					0.38
81.917	0.00	0.02	0.015	0					0.38
82.000	0.00	0.02	0.015	0					0.38
82.083	0.00	0.02	0.014	0					0.37
82.167	0.00	0.02	0.014	0					0.37
82.250	0.00	0.02	0.014	0					0.37
82.333	0.00	0.02	0.014	0					0.37
82.417	0.00	0.02	0.014	0					0.36
82.500	0.00	0.02	0.014	0					0.36
82.583	0.00	0.02	0.014	0					0.36
82.667	0.00	0.02	0.014	0					0.36
82.750	0.00	0.02	0.014	0					0.35
82.833	0.00	0.02	0.013	0					0.35
82.917	0.00	0.02	0.013	0					0.35
83.000	0.00	0.02	0.013	0					0.35
83.083	0.00	0.02	0.013	0					0.34
83.167	0.00	0.02	0.013	0					0.34
83.250	0.00	0.02	0.013	0					0.34
83.333	0.00	0.02	0.013	0					0.34
83.417	0.00	0.02	0.013	0					0.34
83.500	0.00	0.01	0.013	0					0.33
83.583	0.00	0.01	0.013	0					0.33
83.667	0.00	0.01	0.012	0					0.33
83.750	0.00	0.01	0.012	0					0.33
83.833	0.00	0.01	0.012	0					0.32
83.917	0.00	0.01	0.012	0					0.32
84.000	0.00	0.01	0.012	0					0.32
84.083	0.00	0.01	0.012	0					0.32
84.167	0.00	0.01	0.012	0					0.32
84.250	0.00	0.01	0.012	0					0.31
84.333	0.00	0.01	0.012	0					0.31
84.417	0.00	0.01	0.012	0					0.31
84.500	0.00	0.01	0.011	0					0.31
84.583	0.00	0.01	0.011	0					0.30
84.667	0.00	0.01	0.011	0					0.30
84.750	0.00	0.01	0.011	0					0.30
84.833	0.00	0.01	0.011	0					0.30
84.917	0.00	0.01	0.011	0					0.30
85.000	0.00	0.01	0.011	0					0.29
85.083	0.00	0.01	0.011	0					0.29
85.167	0.00	0.01	0.011	0					0.29

85.250	0.00	0.01	0.011	0					0.29
85.333	0.00	0.01	0.010	0					0.29
85.417	0.00	0.01	0.010	0					0.28
85.500	0.00	0.01	0.010	0					0.28
85.583	0.00	0.01	0.010	0					0.28
85.667	0.00	0.01	0.010	0					0.28
85.750	0.00	0.01	0.010	0					0.28
85.833	0.00	0.01	0.010	0					0.27
85.917	0.00	0.01	0.010	0					0.27
86.000	0.00	0.01	0.010	0					0.27
86.083	0.00	0.01	0.010	0					0.27
86.167	0.00	0.01	0.010	0					0.27
86.250	0.00	0.01	0.009	0					0.26
86.333	0.00	0.01	0.009	0					0.26
86.417	0.00	0.01	0.009	0					0.26
86.500	0.00	0.01	0.009	0					0.26
86.583	0.00	0.01	0.009	0					0.26
86.667	0.00	0.01	0.009	0					0.25
86.750	0.00	0.01	0.009	0					0.25
86.833	0.00	0.01	0.009	0					0.25
86.917	0.00	0.01	0.009	0					0.25
87.000	0.00	0.01	0.009	0					0.25
87.083	0.00	0.01	0.009	0					0.24
87.167	0.00	0.01	0.009	0					0.24
87.250	0.00	0.01	0.008	0					0.24
87.333	0.00	0.01	0.008	0					0.24
87.417	0.00	0.01	0.008	0					0.24
87.500	0.00	0.01	0.008	0					0.24
87.583	0.00	0.01	0.008	0					0.23
87.667	0.00	0.01	0.008	0					0.23
87.750	0.00	0.01	0.008	0					0.23
87.833	0.00	0.01	0.008	0					0.23
87.917	0.00	0.01	0.008	0					0.23
88.000	0.00	0.01	0.008	0					0.22
88.083	0.00	0.01	0.008	0					0.22
88.167	0.00	0.01	0.008	0					0.22
88.250	0.00	0.01	0.007	0					0.22
88.333	0.00	0.01	0.007	0					0.22
88.417	0.00	0.01	0.007	0					0.22
88.500	0.00	0.01	0.007	0					0.21
88.583	0.00	0.01	0.007	0					0.21
88.667	0.00	0.01	0.007	0					0.21
88.750	0.00	0.01	0.007	0					0.21
88.833	0.00	0.01	0.007	0					0.21
88.917	0.00	0.01	0.007	0					0.21
89.000	0.00	0.01	0.007	0					0.20
89.083	0.00	0.01	0.007	0					0.20
89.167	0.00	0.01	0.007	0					0.20
89.250	0.00	0.01	0.007	0					0.20
89.333	0.00	0.01	0.006	0					0.20

89.417	0.00	0.01	0.006	0					0.20
89.500	0.00	0.01	0.006	0					0.19
89.583	0.00	0.01	0.006	0					0.19
89.667	0.00	0.01	0.006	0					0.19
89.750	0.00	0.01	0.006	0					0.19
89.833	0.00	0.01	0.006	0					0.19
89.917	0.00	0.01	0.006	0					0.19
90.000	0.00	0.01	0.006	0					0.18
90.083	0.00	0.01	0.006	0					0.18
90.167	0.00	0.01	0.006	0					0.18
90.250	0.00	0.01	0.006	0					0.18
90.333	0.00	0.01	0.006	0					0.18
90.417	0.00	0.01	0.005	0					0.18
90.500	0.00	0.01	0.005	0					0.17
90.583	0.00	0.01	0.005	0					0.17
90.667	0.00	0.01	0.005	0					0.17
90.750	0.00	0.01	0.005	0					0.17
90.833	0.00	0.01	0.005	0					0.17
90.917	0.00	0.01	0.005	0					0.17
91.000	0.00	0.01	0.005	0					0.17
91.083	0.00	0.01	0.005	0					0.16
91.167	0.00	0.01	0.005	0					0.16
91.250	0.00	0.01	0.005	0					0.16
91.333	0.00	0.01	0.005	0					0.16
91.417	0.00	0.01	0.005	0					0.16
91.500	0.00	0.01	0.005	0					0.16
91.583	0.00	0.01	0.005	0					0.16
91.667	0.00	0.01	0.004	0					0.15
91.750	0.00	0.01	0.004	0					0.15
91.833	0.00	0.01	0.004	0					0.15
91.917	0.00	0.01	0.004	0					0.15
92.000	0.00	0.01	0.004	0					0.15
92.083	0.00	0.01	0.004	0					0.15
92.167	0.00	0.01	0.004	0					0.15
92.250	0.00	0.01	0.004	0					0.14
92.333	0.00	0.01	0.004	0					0.14
92.417	0.00	0.01	0.004	0					0.14
92.500	0.00	0.01	0.004	0					0.14
92.583	0.00	0.01	0.004	0					0.14
92.667	0.00	0.01	0.004	0					0.14
92.750	0.00	0.01	0.004	0					0.14
92.833	0.00	0.01	0.004	0					0.13
92.917	0.00	0.01	0.003	0					0.13
93.000	0.00	0.01	0.003	0					0.13
93.083	0.00	0.01	0.003	0					0.13
93.167	0.00	0.01	0.003	0					0.13
93.250	0.00	0.01	0.003	0					0.13
93.333	0.00	0.01	0.003	0					0.13
93.417	0.00	0.01	0.003	0					0.12
93.500	0.00	0.01	0.003	0					0.12

93.583	0.00	0.01	0.003	0					0.12
93.667	0.00	0.01	0.003	0					0.12
93.750	0.00	0.01	0.003	0					0.12
93.833	0.00	0.01	0.003	0					0.12
93.917	0.00	0.01	0.003	0					0.12
94.000	0.00	0.01	0.003	0					0.12
94.083	0.00	0.01	0.003	0					0.11
94.167	0.00	0.01	0.003	0					0.11
94.250	0.00	0.01	0.003	0					0.11
94.333	0.00	0.01	0.002	0					0.11
94.417	0.00	0.01	0.002	0					0.11
94.500	0.00	0.01	0.002	0					0.11
94.583	0.00	0.01	0.002	0					0.11
94.667	0.00	0.01	0.002	0					0.11
94.750	0.00	0.01	0.002	0					0.10
94.833	0.00	0.01	0.002	0					0.10
94.917	0.00	0.01	0.002	0					0.10
95.000	0.00	0.01	0.002	0					0.10
95.083	0.00	0.01	0.002	0					0.10
95.167	0.00	0.01	0.002	0					0.10
95.250	0.00	0.01	0.002	0					0.09
95.333	0.00	0.01	0.002	0					0.09
95.417	0.00	0.01	0.002	0					0.09
95.500	0.00	0.01	0.002	0					0.09
95.583	0.00	0.01	0.002	0					0.08
95.667	0.00	0.01	0.002	0					0.08
95.750	0.00	0.01	0.002	0					0.08
95.833	0.00	0.01	0.002	0					0.08
95.917	0.00	0.01	0.001	0					0.07
96.000	0.00	0.01	0.001	0					0.07
96.083	0.00	0.01	0.001	0					0.07
96.167	0.00	0.01	0.001	0					0.07
96.250	0.00	0.01	0.001	0					0.07
96.333	0.00	0.01	0.001	0					0.07
96.417	0.00	0.01	0.001	0					0.06
96.500	0.00	0.00	0.001	0					0.06
96.583	0.00	0.00	0.001	0					0.06
96.667	0.00	0.00	0.001	0					0.06
96.750	0.00	0.00	0.001	0					0.06
96.833	0.00	0.00	0.001	0					0.06
96.917	0.00	0.00	0.001	0					0.05
97.000	0.00	0.00	0.001	0					0.05
97.083	0.00	0.00	0.001	0					0.05
97.167	0.00	0.00	0.001	0					0.05
97.250	0.00	0.00	0.001	0					0.05
97.333	0.00	0.00	0.001	0					0.05
97.417	0.00	0.00	0.001	0					0.05
97.500	0.00	0.00	0.001	0					0.04
97.583	0.00	0.00	0.001	0					0.04
97.667	0.00	0.00	0.001	0					0.04

97.750	0.00	0.00	0.001	0					0.04
97.833	0.00	0.00	0.001	0					0.04
97.917	0.00	0.00	0.001	0					0.04
98.000	0.00	0.00	0.001	0					0.04
98.083	0.00	0.00	0.001	0					0.04
98.167	0.00	0.00	0.001	0					0.04
98.250	0.00	0.00	0.001	0					0.03
98.333	0.00	0.00	0.001	0					0.03
98.417	0.00	0.00	0.001	0					0.03
98.500	0.00	0.00	0.001	0					0.03
98.583	0.00	0.00	0.001	0					0.03
98.667	0.00	0.00	0.001	0					0.03
98.750	0.00	0.00	0.001	0					0.03
98.833	0.00	0.00	0.001	0					0.03
98.917	0.00	0.00	0.001	0					0.03
99.000	0.00	0.00	0.001	0					0.03
99.083	0.00	0.00	0.001	0					0.03
99.167	0.00	0.00	0.001	0					0.03
99.250	0.00	0.00	0.000	0					0.02
99.333	0.00	0.00	0.000	0					0.02
99.417	0.00	0.00	0.000	0					0.02
99.500	0.00	0.00	0.000	0					0.02
99.583	0.00	0.00	0.000	0					0.02
99.667	0.00	0.00	0.000	0					0.02
99.750	0.00	0.00	0.000	0					0.02
99.833	0.00	0.00	0.000	0					0.02
99.917	0.00	0.00	0.000	0					0.02
100.000	0.00	0.00	0.000	0					0.02
100.083	0.00	0.00	0.000	0					0.02
100.167	0.00	0.00	0.000	0					0.02
100.250	0.00	0.00	0.000	0					0.02
100.333	0.00	0.00	0.000	0					0.02
100.417	0.00	0.00	0.000	0					0.02
100.500	0.00	0.00	0.000	0					0.02
100.583	0.00	0.00	0.000	0					0.02
100.667	0.00	0.00	0.000	0					0.02
100.750	0.00	0.00	0.000	0					0.02
100.833	0.00	0.00	0.000	0					0.01
100.917	0.00	0.00	0.000	0					0.01
101.000	0.00	0.00	0.000	0					0.01
101.083	0.00	0.00	0.000	0					0.01
101.167	0.00	0.00	0.000	0					0.01
101.250	0.00	0.00	0.000	0					0.01
101.333	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1216

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.080 (CFS)

Total volume = 0.351 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
10 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da3310.rte
*****HYDROGRAPH DATA*****
Number of intervals = 37
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.444 (CFS)
Total volume = 0.265 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 37
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.9	1.72	2.58	3.44	Depth (Ft.)
0.083	0.31	0.00	0.001	0 I					0.05
0.167	0.46	0.01	0.004	0 I					0.14
0.250	0.41	0.01	0.007	0 I					0.20
0.333	0.48	0.01	0.010	0 I					0.27
0.417	0.53	0.02	0.013	0 I					0.34
0.500	0.60	0.02	0.017	0 I					0.42
0.583	0.56	0.02	0.021	0 I					0.51
0.667	0.60	0.02	0.024	0 I					0.59
0.750	0.63	0.03	0.029	0 I					0.68
0.833	0.56	0.03	0.032	0 I					0.77
0.917	0.55	0.03	0.036	0 I					0.85
1.000	0.61	0.03	0.040	0 I					0.93
1.083	0.73	0.04	0.044	0 I					1.02
1.167	0.78	0.04	0.049	0 I					1.09
1.250	0.78	0.04	0.054	0 I					1.16
1.333	0.73	0.04	0.059	0 I					1.23
1.417	0.85	0.04	0.064	0 I					1.31
1.500	0.95	0.04	0.070	0 I					1.39
1.583	0.89	0.04	0.076	0 I					1.48
1.667	0.93	0.04	0.082	0 I					1.56
1.750	1.16	0.04	0.089	0 I	I				1.66
1.833	1.19	0.05	0.097	0 I	I				1.77

1.917	1.09	0.05	0.104	0		I					1.88
2.000	1.09	0.05	0.112	0		I					1.98
2.083	1.14	0.05	0.119	0		I					2.07
2.167	1.51	0.05	0.128	0			I				2.18
2.250	1.93	0.05	0.139	0				I			2.32
2.333	1.58	0.06	0.151	0			I				2.46
2.417	2.40	0.06	0.164	0					I		2.62
2.500	3.08	0.06	0.183	0						I	2.84
2.583	3.44	0.06	0.205	0						I	3.10
2.667	2.85	0.06	0.226	0					I		3.35
2.750	1.30	0.07	0.240	0		I					3.51
2.833	0.66	0.07	0.246	0			I				3.58
2.917	0.63	0.07	0.250	0		I					3.63
3.000	0.35	0.07	0.253	0	I						3.66
3.083	0.07	0.07	0.254	0							3.67
3.167	0.00	0.07	0.254	0							3.67
3.250	0.00	0.07	0.253	0							3.67
3.333	0.00	0.07	0.253	0							3.66
3.417	0.00	0.07	0.252	0							3.66
3.500	0.00	0.07	0.252	0							3.65
3.583	0.00	0.07	0.251	0							3.64
3.667	0.00	0.07	0.251	0							3.64
3.750	0.00	0.07	0.251	0							3.63
3.833	0.00	0.07	0.250	0							3.63
3.917	0.00	0.07	0.250	0							3.62
4.000	0.00	0.07	0.249	0							3.62
4.083	0.00	0.07	0.249	0							3.61
4.167	0.00	0.07	0.248	0							3.61
4.250	0.00	0.07	0.248	0							3.60
4.333	0.00	0.07	0.247	0							3.60
4.417	0.00	0.07	0.247	0							3.59
4.500	0.00	0.07	0.246	0							3.59
4.583	0.00	0.07	0.246	0							3.58
4.667	0.00	0.07	0.245	0							3.58
4.750	0.00	0.07	0.245	0							3.57
4.833	0.00	0.07	0.245	0							3.56
4.917	0.00	0.07	0.244	0							3.56
5.000	0.00	0.07	0.244	0							3.55
5.083	0.00	0.07	0.243	0							3.55
5.167	0.00	0.07	0.243	0							3.54
5.250	0.00	0.07	0.242	0							3.54
5.333	0.00	0.07	0.242	0							3.53
5.417	0.00	0.07	0.241	0							3.53
5.500	0.00	0.07	0.241	0							3.52
5.583	0.00	0.07	0.240	0							3.52
5.667	0.00	0.07	0.240	0							3.51
5.750	0.00	0.07	0.240	0							3.51
5.833	0.00	0.07	0.239	0							3.50
5.917	0.00	0.07	0.239	0							3.50
6.000	0.00	0.07	0.238	0							3.49

6.083	0.00	0.07	0.238	0					3.48
6.167	0.00	0.07	0.237	0					3.48
6.250	0.00	0.07	0.237	0					3.47
6.333	0.00	0.07	0.236	0					3.47
6.417	0.00	0.07	0.236	0					3.46
6.500	0.00	0.07	0.235	0					3.46
6.583	0.00	0.07	0.235	0					3.45
6.667	0.00	0.07	0.235	0					3.45
6.750	0.00	0.07	0.234	0					3.44
6.833	0.00	0.07	0.234	0					3.44
6.917	0.00	0.07	0.233	0					3.43
7.000	0.00	0.07	0.233	0					3.43
7.083	0.00	0.07	0.232	0					3.42
7.167	0.00	0.07	0.232	0					3.42
7.250	0.00	0.07	0.231	0					3.41
7.333	0.00	0.07	0.231	0					3.41
7.417	0.00	0.07	0.230	0					3.40
7.500	0.00	0.06	0.230	0					3.40
7.583	0.00	0.06	0.230	0					3.39
7.667	0.00	0.06	0.229	0					3.39
7.750	0.00	0.06	0.229	0					3.38
7.833	0.00	0.06	0.228	0					3.37
7.917	0.00	0.06	0.228	0					3.37
8.000	0.00	0.06	0.227	0					3.36
8.083	0.00	0.06	0.227	0					3.36
8.167	0.00	0.06	0.226	0					3.35
8.250	0.00	0.06	0.226	0					3.35
8.333	0.00	0.06	0.226	0					3.34
8.417	0.00	0.06	0.225	0					3.34
8.500	0.00	0.06	0.225	0					3.33
8.583	0.00	0.06	0.224	0					3.33
8.667	0.00	0.06	0.224	0					3.32
8.750	0.00	0.06	0.223	0					3.32
8.833	0.00	0.06	0.223	0					3.31
8.917	0.00	0.06	0.222	0					3.31
9.000	0.00	0.06	0.222	0					3.30
9.083	0.00	0.06	0.222	0					3.30
9.167	0.00	0.06	0.221	0					3.29
9.250	0.00	0.06	0.221	0					3.29
9.333	0.00	0.06	0.220	0					3.28
9.417	0.00	0.06	0.220	0					3.28
9.500	0.00	0.06	0.219	0					3.27
9.583	0.00	0.06	0.219	0					3.27
9.667	0.00	0.06	0.219	0					3.26
9.750	0.00	0.06	0.218	0					3.26
9.833	0.00	0.06	0.218	0					3.25
9.917	0.00	0.06	0.217	0					3.25
10.000	0.00	0.06	0.217	0					3.24
10.083	0.00	0.06	0.216	0					3.24
10.167	0.00	0.06	0.216	0					3.23

10.250	0.00	0.06	0.215	0					3.23
10.333	0.00	0.06	0.215	0					3.22
10.417	0.00	0.06	0.215	0					3.22
10.500	0.00	0.06	0.214	0					3.21
10.583	0.00	0.06	0.214	0					3.21
10.667	0.00	0.06	0.213	0					3.20
10.750	0.00	0.06	0.213	0					3.20
10.833	0.00	0.06	0.212	0					3.19
10.917	0.00	0.06	0.212	0					3.19
11.000	0.00	0.06	0.212	0					3.18
11.083	0.00	0.06	0.211	0					3.18
11.167	0.00	0.06	0.211	0					3.17
11.250	0.00	0.06	0.210	0					3.17
11.333	0.00	0.06	0.210	0					3.16
11.417	0.00	0.06	0.209	0					3.16
11.500	0.00	0.06	0.209	0					3.15
11.583	0.00	0.06	0.209	0					3.15
11.667	0.00	0.06	0.208	0					3.14
11.750	0.00	0.06	0.208	0					3.14
11.833	0.00	0.06	0.207	0					3.13
11.917	0.00	0.06	0.207	0					3.13
12.000	0.00	0.06	0.206	0					3.12
12.083	0.00	0.06	0.206	0					3.12
12.167	0.00	0.06	0.206	0					3.11
12.250	0.00	0.06	0.205	0					3.11
12.333	0.00	0.06	0.205	0					3.10
12.417	0.00	0.06	0.204	0					3.10
12.500	0.00	0.06	0.204	0					3.09
12.583	0.00	0.06	0.203	0					3.09
12.667	0.00	0.06	0.203	0					3.08
12.750	0.00	0.06	0.203	0					3.08
12.833	0.00	0.06	0.202	0					3.07
12.917	0.00	0.06	0.202	0					3.07
13.000	0.00	0.06	0.201	0					3.06
13.083	0.00	0.06	0.201	0					3.06
13.167	0.00	0.06	0.200	0					3.05
13.250	0.00	0.06	0.200	0					3.05
13.333	0.00	0.06	0.200	0					3.04
13.417	0.00	0.06	0.199	0					3.04
13.500	0.00	0.06	0.199	0					3.03
13.583	0.00	0.06	0.198	0					3.03
13.667	0.00	0.06	0.198	0					3.02
13.750	0.00	0.06	0.197	0					3.02
13.833	0.00	0.06	0.197	0					3.01
13.917	0.00	0.06	0.197	0					3.01
14.000	0.00	0.06	0.196	0					3.00
14.083	0.00	0.06	0.196	0					3.00
14.167	0.00	0.06	0.195	0					2.99
14.250	0.00	0.06	0.195	0					2.99
14.333	0.00	0.06	0.195	0					2.98

14.417	0.00	0.06	0.194	0					2.98
14.500	0.00	0.06	0.194	0					2.97
14.583	0.00	0.06	0.193	0					2.97
14.667	0.00	0.06	0.193	0					2.96
14.750	0.00	0.06	0.192	0					2.96
14.833	0.00	0.06	0.192	0					2.95
14.917	0.00	0.06	0.192	0					2.95
15.000	0.00	0.06	0.191	0					2.94
15.083	0.00	0.06	0.191	0					2.94
15.167	0.00	0.06	0.190	0					2.93
15.250	0.00	0.06	0.190	0					2.93
15.333	0.00	0.06	0.190	0					2.92
15.417	0.00	0.06	0.189	0					2.92
15.500	0.00	0.06	0.189	0					2.91
15.583	0.00	0.06	0.188	0					2.91
15.667	0.00	0.06	0.188	0					2.90
15.750	0.00	0.06	0.187	0					2.90
15.833	0.00	0.06	0.187	0					2.89
15.917	0.00	0.06	0.187	0					2.89
16.000	0.00	0.06	0.186	0					2.88
16.083	0.00	0.06	0.186	0					2.88
16.167	0.00	0.06	0.185	0					2.87
16.250	0.00	0.06	0.185	0					2.87
16.333	0.00	0.06	0.185	0					2.86
16.417	0.00	0.06	0.184	0					2.86
16.500	0.00	0.06	0.184	0					2.85
16.583	0.00	0.06	0.183	0					2.85
16.667	0.00	0.06	0.183	0					2.84
16.750	0.00	0.06	0.183	0					2.84
16.833	0.00	0.06	0.182	0					2.83
16.917	0.00	0.06	0.182	0					2.83
17.000	0.00	0.06	0.181	0					2.82
17.083	0.00	0.06	0.181	0					2.82
17.167	0.00	0.06	0.181	0					2.81
17.250	0.00	0.06	0.180	0					2.81
17.333	0.00	0.06	0.180	0					2.80
17.417	0.00	0.06	0.179	0					2.80
17.500	0.00	0.06	0.179	0					2.79
17.583	0.00	0.06	0.178	0					2.79
17.667	0.00	0.06	0.178	0					2.78
17.750	0.00	0.06	0.178	0					2.78
17.833	0.00	0.06	0.177	0					2.77
17.917	0.00	0.06	0.177	0					2.77
18.000	0.00	0.06	0.176	0					2.76
18.083	0.00	0.06	0.176	0					2.76
18.167	0.00	0.06	0.176	0					2.75
18.250	0.00	0.06	0.175	0					2.75
18.333	0.00	0.06	0.175	0					2.75
18.417	0.00	0.06	0.174	0					2.74
18.500	0.00	0.06	0.174	0					2.74

18.583	0.00	0.06	0.174	0					2.73
18.667	0.00	0.06	0.173	0					2.73
18.750	0.00	0.06	0.173	0					2.72
18.833	0.00	0.06	0.172	0					2.72
18.917	0.00	0.06	0.172	0					2.71
19.000	0.00	0.06	0.172	0					2.71
19.083	0.00	0.06	0.171	0					2.70
19.167	0.00	0.06	0.171	0					2.70
19.250	0.00	0.06	0.170	0					2.69
19.333	0.00	0.06	0.170	0					2.69
19.417	0.00	0.06	0.170	0					2.68
19.500	0.00	0.06	0.169	0					2.68
19.583	0.00	0.06	0.169	0					2.67
19.667	0.00	0.06	0.168	0					2.67
19.750	0.00	0.06	0.168	0					2.66
19.833	0.00	0.06	0.168	0					2.66
19.917	0.00	0.06	0.167	0					2.65
20.000	0.00	0.06	0.167	0					2.65
20.083	0.00	0.06	0.167	0					2.64
20.167	0.00	0.06	0.166	0					2.64
20.250	0.00	0.06	0.166	0					2.64
20.333	0.00	0.06	0.165	0					2.63
20.417	0.00	0.06	0.165	0					2.63
20.500	0.00	0.06	0.165	0					2.62
20.583	0.00	0.06	0.164	0					2.62
20.667	0.00	0.06	0.164	0					2.61
20.750	0.00	0.06	0.163	0					2.61
20.833	0.00	0.06	0.163	0					2.60
20.917	0.00	0.06	0.163	0					2.60
21.000	0.00	0.06	0.162	0					2.59
21.083	0.00	0.06	0.162	0					2.59
21.167	0.00	0.06	0.161	0					2.58
21.250	0.00	0.06	0.161	0					2.58
21.333	0.00	0.06	0.161	0					2.57
21.417	0.00	0.06	0.160	0					2.57
21.500	0.00	0.06	0.160	0					2.56
21.583	0.00	0.06	0.160	0					2.56
21.667	0.00	0.06	0.159	0					2.56
21.750	0.00	0.06	0.159	0					2.55
21.833	0.00	0.06	0.158	0					2.55
21.917	0.00	0.06	0.158	0					2.54
22.000	0.00	0.06	0.158	0					2.54
22.083	0.00	0.06	0.157	0					2.53
22.167	0.00	0.06	0.157	0					2.53
22.250	0.00	0.06	0.156	0					2.52
22.333	0.00	0.06	0.156	0					2.52
22.417	0.00	0.06	0.156	0					2.51
22.500	0.00	0.06	0.155	0					2.51
22.583	0.00	0.06	0.155	0					2.50
22.667	0.00	0.06	0.155	0					2.50

22.750	0.00	0.06	0.154	0					2.50
22.833	0.00	0.06	0.154	0					2.49
22.917	0.00	0.06	0.153	0					2.49
23.000	0.00	0.06	0.153	0					2.48
23.083	0.00	0.06	0.153	0					2.48
23.167	0.00	0.06	0.152	0					2.47
23.250	0.00	0.06	0.152	0					2.47
23.333	0.00	0.06	0.151	0					2.46
23.417	0.00	0.06	0.151	0					2.46
23.500	0.00	0.05	0.151	0					2.45
23.583	0.00	0.05	0.150	0					2.45
23.667	0.00	0.05	0.150	0					2.45
23.750	0.00	0.05	0.150	0					2.44
23.833	0.00	0.05	0.149	0					2.44
23.917	0.00	0.05	0.149	0					2.43
24.000	0.00	0.05	0.148	0					2.43
24.083	0.00	0.05	0.148	0					2.42
24.167	0.00	0.05	0.148	0					2.42
24.250	0.00	0.05	0.147	0					2.41
24.333	0.00	0.05	0.147	0					2.41
24.417	0.00	0.05	0.147	0					2.40
24.500	0.00	0.05	0.146	0					2.40
24.583	0.00	0.05	0.146	0					2.40
24.667	0.00	0.05	0.145	0					2.39
24.750	0.00	0.05	0.145	0					2.39
24.833	0.00	0.05	0.145	0					2.38
24.917	0.00	0.05	0.144	0					2.38
25.000	0.00	0.05	0.144	0					2.37
25.083	0.00	0.05	0.144	0					2.37
25.167	0.00	0.05	0.143	0					2.36
25.250	0.00	0.05	0.143	0					2.36
25.333	0.00	0.05	0.142	0					2.35
25.417	0.00	0.05	0.142	0					2.35
25.500	0.00	0.05	0.142	0					2.35
25.583	0.00	0.05	0.141	0					2.34
25.667	0.00	0.05	0.141	0					2.34
25.750	0.00	0.05	0.141	0					2.33
25.833	0.00	0.05	0.140	0					2.33
25.917	0.00	0.05	0.140	0					2.32
26.000	0.00	0.05	0.139	0					2.32
26.083	0.00	0.05	0.139	0					2.31
26.167	0.00	0.05	0.139	0					2.31
26.250	0.00	0.05	0.138	0					2.31
26.333	0.00	0.05	0.138	0					2.30
26.417	0.00	0.05	0.138	0					2.30
26.500	0.00	0.05	0.137	0					2.29
26.583	0.00	0.05	0.137	0					2.29
26.667	0.00	0.05	0.137	0					2.28
26.750	0.00	0.05	0.136	0					2.28
26.833	0.00	0.05	0.136	0					2.27

26.917	0.00	0.05	0.135	0					2.27
27.000	0.00	0.05	0.135	0					2.27
27.083	0.00	0.05	0.135	0					2.26
27.167	0.00	0.05	0.134	0					2.26
27.250	0.00	0.05	0.134	0					2.25
27.333	0.00	0.05	0.134	0					2.25
27.417	0.00	0.05	0.133	0					2.24
27.500	0.00	0.05	0.133	0					2.24
27.583	0.00	0.05	0.133	0					2.24
27.667	0.00	0.05	0.132	0					2.23
27.750	0.00	0.05	0.132	0					2.23
27.833	0.00	0.05	0.131	0					2.22
27.917	0.00	0.05	0.131	0					2.22
28.000	0.00	0.05	0.131	0					2.21
28.083	0.00	0.05	0.130	0					2.21
28.167	0.00	0.05	0.130	0					2.21
28.250	0.00	0.05	0.130	0					2.20
28.333	0.00	0.05	0.129	0					2.20
28.417	0.00	0.05	0.129	0					2.19
28.500	0.00	0.05	0.129	0					2.19
28.583	0.00	0.05	0.128	0					2.18
28.667	0.00	0.05	0.128	0					2.18
28.750	0.00	0.05	0.128	0					2.17
28.833	0.00	0.05	0.127	0					2.17
28.917	0.00	0.05	0.127	0					2.17
29.000	0.00	0.05	0.126	0					2.16
29.083	0.00	0.05	0.126	0					2.16
29.167	0.00	0.05	0.126	0					2.15
29.250	0.00	0.05	0.125	0					2.15
29.333	0.00	0.05	0.125	0					2.14
29.417	0.00	0.05	0.125	0					2.14
29.500	0.00	0.05	0.124	0					2.14
29.583	0.00	0.05	0.124	0					2.13
29.667	0.00	0.05	0.124	0					2.13
29.750	0.00	0.05	0.123	0					2.12
29.833	0.00	0.05	0.123	0					2.12
29.917	0.00	0.05	0.123	0					2.11
30.000	0.00	0.05	0.122	0					2.11
30.083	0.00	0.05	0.122	0					2.11
30.167	0.00	0.05	0.121	0					2.10
30.250	0.00	0.05	0.121	0					2.10
30.333	0.00	0.05	0.121	0					2.09
30.417	0.00	0.05	0.120	0					2.09
30.500	0.00	0.05	0.120	0					2.09
30.583	0.00	0.05	0.120	0					2.08
30.667	0.00	0.05	0.119	0					2.08
30.750	0.00	0.05	0.119	0					2.07
30.833	0.00	0.05	0.119	0					2.07
30.917	0.00	0.05	0.118	0					2.06
31.000	0.00	0.05	0.118	0					2.06

31.083	0.00	0.05	0.118	0					2.06
31.167	0.00	0.05	0.117	0					2.05
31.250	0.00	0.05	0.117	0					2.05
31.333	0.00	0.05	0.117	0					2.04
31.417	0.00	0.05	0.116	0					2.04
31.500	0.00	0.05	0.116	0					2.03
31.583	0.00	0.05	0.116	0					2.03
31.667	0.00	0.05	0.115	0					2.03
31.750	0.00	0.05	0.115	0					2.02
31.833	0.00	0.05	0.114	0					2.02
31.917	0.00	0.05	0.114	0					2.01
32.000	0.00	0.05	0.114	0					2.01
32.083	0.00	0.05	0.113	0					2.01
32.167	0.00	0.05	0.113	0					2.00
32.250	0.00	0.05	0.113	0					2.00
32.333	0.00	0.05	0.112	0					1.99
32.417	0.00	0.05	0.112	0					1.99
32.500	0.00	0.05	0.112	0					1.98
32.583	0.00	0.05	0.111	0					1.98
32.667	0.00	0.05	0.111	0					1.97
32.750	0.00	0.05	0.111	0					1.97
32.833	0.00	0.05	0.110	0					1.96
32.917	0.00	0.05	0.110	0					1.96
33.000	0.00	0.05	0.110	0					1.95
33.083	0.00	0.05	0.109	0					1.95
33.167	0.00	0.05	0.109	0					1.94
33.250	0.00	0.05	0.109	0					1.94
33.333	0.00	0.05	0.108	0					1.93
33.417	0.00	0.05	0.108	0					1.93
33.500	0.00	0.05	0.108	0					1.92
33.583	0.00	0.05	0.107	0					1.92
33.667	0.00	0.05	0.107	0					1.91
33.750	0.00	0.05	0.107	0					1.91
33.833	0.00	0.05	0.106	0					1.90
33.917	0.00	0.05	0.106	0					1.90
34.000	0.00	0.05	0.106	0					1.90
34.083	0.00	0.05	0.105	0					1.89
34.167	0.00	0.05	0.105	0					1.89
34.250	0.00	0.05	0.105	0					1.88
34.333	0.00	0.05	0.104	0					1.88
34.417	0.00	0.05	0.104	0					1.87
34.500	0.00	0.05	0.104	0					1.87
34.583	0.00	0.05	0.103	0					1.86
34.667	0.00	0.05	0.103	0					1.86
34.750	0.00	0.05	0.103	0					1.85
34.833	0.00	0.05	0.102	0					1.85
34.917	0.00	0.05	0.102	0					1.84
35.000	0.00	0.05	0.102	0					1.84
35.083	0.00	0.05	0.101	0					1.83
35.167	0.00	0.05	0.101	0					1.83

35.250	0.00	0.05	0.101	0					1.82
35.333	0.00	0.05	0.100	0					1.82
35.417	0.00	0.05	0.100	0					1.82
35.500	0.00	0.05	0.100	0					1.81
35.583	0.00	0.05	0.099	0					1.81
35.667	0.00	0.05	0.099	0					1.80
35.750	0.00	0.05	0.099	0					1.80
35.833	0.00	0.05	0.098	0					1.79
35.917	0.00	0.05	0.098	0					1.79
36.000	0.00	0.05	0.098	0					1.78
36.083	0.00	0.05	0.097	0					1.78
36.167	0.00	0.05	0.097	0					1.77
36.250	0.00	0.05	0.097	0					1.77
36.333	0.00	0.05	0.097	0					1.76
36.417	0.00	0.05	0.096	0					1.76
36.500	0.00	0.05	0.096	0					1.76
36.583	0.00	0.05	0.096	0					1.75
36.667	0.00	0.05	0.095	0					1.75
36.750	0.00	0.05	0.095	0					1.74
36.833	0.00	0.05	0.095	0					1.74
36.917	0.00	0.05	0.094	0					1.73
37.000	0.00	0.05	0.094	0					1.73
37.083	0.00	0.05	0.094	0					1.72
37.167	0.00	0.05	0.093	0					1.72
37.250	0.00	0.05	0.093	0					1.71
37.333	0.00	0.05	0.093	0					1.71
37.417	0.00	0.05	0.092	0					1.71
37.500	0.00	0.05	0.092	0					1.70
37.583	0.00	0.05	0.092	0					1.70
37.667	0.00	0.05	0.091	0					1.69
37.750	0.00	0.05	0.091	0					1.69
37.833	0.00	0.05	0.091	0					1.68
37.917	0.00	0.05	0.091	0					1.68
38.000	0.00	0.05	0.090	0					1.67
38.083	0.00	0.05	0.090	0					1.67
38.167	0.00	0.04	0.090	0					1.67
38.250	0.00	0.04	0.089	0					1.66
38.333	0.00	0.04	0.089	0					1.66
38.417	0.00	0.04	0.089	0					1.65
38.500	0.00	0.04	0.088	0					1.65
38.583	0.00	0.04	0.088	0					1.64
38.667	0.00	0.04	0.088	0					1.64
38.750	0.00	0.04	0.087	0					1.63
38.833	0.00	0.04	0.087	0					1.63
38.917	0.00	0.04	0.087	0					1.63
39.000	0.00	0.04	0.087	0					1.62
39.083	0.00	0.04	0.086	0					1.62
39.167	0.00	0.04	0.086	0					1.61
39.250	0.00	0.04	0.086	0					1.61
39.333	0.00	0.04	0.085	0					1.60

39.417	0.00	0.04	0.085	0					1.60
39.500	0.00	0.04	0.085	0					1.60
39.583	0.00	0.04	0.084	0					1.59
39.667	0.00	0.04	0.084	0					1.59
39.750	0.00	0.04	0.084	0					1.58
39.833	0.00	0.04	0.083	0					1.58
39.917	0.00	0.04	0.083	0					1.57
40.000	0.00	0.04	0.083	0					1.57
40.083	0.00	0.04	0.083	0					1.57
40.167	0.00	0.04	0.082	0					1.56
40.250	0.00	0.04	0.082	0					1.56
40.333	0.00	0.04	0.082	0					1.55
40.417	0.00	0.04	0.081	0					1.55
40.500	0.00	0.04	0.081	0					1.54
40.583	0.00	0.04	0.081	0					1.54
40.667	0.00	0.04	0.080	0					1.54
40.750	0.00	0.04	0.080	0					1.53
40.833	0.00	0.04	0.080	0					1.53
40.917	0.00	0.04	0.080	0					1.52
41.000	0.00	0.04	0.079	0					1.52
41.083	0.00	0.04	0.079	0					1.51
41.167	0.00	0.04	0.079	0					1.51
41.250	0.00	0.04	0.078	0					1.51
41.333	0.00	0.04	0.078	0					1.50
41.417	0.00	0.04	0.078	0					1.50
41.500	0.00	0.04	0.078	0					1.49
41.583	0.00	0.04	0.077	0					1.49
41.667	0.00	0.04	0.077	0					1.49
41.750	0.00	0.04	0.077	0					1.48
41.833	0.00	0.04	0.076	0					1.48
41.917	0.00	0.04	0.076	0					1.47
42.000	0.00	0.04	0.076	0					1.47
42.083	0.00	0.04	0.076	0					1.46
42.167	0.00	0.04	0.075	0					1.46
42.250	0.00	0.04	0.075	0					1.46
42.333	0.00	0.04	0.075	0					1.45
42.417	0.00	0.04	0.074	0					1.45
42.500	0.00	0.04	0.074	0					1.44
42.583	0.00	0.04	0.074	0					1.44
42.667	0.00	0.04	0.074	0					1.44
42.750	0.00	0.04	0.073	0					1.43
42.833	0.00	0.04	0.073	0					1.43
42.917	0.00	0.04	0.073	0					1.42
43.000	0.00	0.04	0.072	0					1.42
43.083	0.00	0.04	0.072	0					1.42
43.167	0.00	0.04	0.072	0					1.41
43.250	0.00	0.04	0.072	0					1.41
43.333	0.00	0.04	0.071	0					1.40
43.417	0.00	0.04	0.071	0					1.40
43.500	0.00	0.04	0.071	0					1.40

43.583	0.00	0.04	0.070	0					1.39
43.667	0.00	0.04	0.070	0					1.39
43.750	0.00	0.04	0.070	0					1.38
43.833	0.00	0.04	0.070	0					1.38
43.917	0.00	0.04	0.069	0					1.38
44.000	0.00	0.04	0.069	0					1.37
44.083	0.00	0.04	0.069	0					1.37
44.167	0.00	0.04	0.068	0					1.36
44.250	0.00	0.04	0.068	0					1.36
44.333	0.00	0.04	0.068	0					1.36
44.417	0.00	0.04	0.068	0					1.35
44.500	0.00	0.04	0.067	0					1.35
44.583	0.00	0.04	0.067	0					1.34
44.667	0.00	0.04	0.067	0					1.34
44.750	0.00	0.04	0.066	0					1.34
44.833	0.00	0.04	0.066	0					1.33
44.917	0.00	0.04	0.066	0					1.33
45.000	0.00	0.04	0.066	0					1.32
45.083	0.00	0.04	0.065	0					1.32
45.167	0.00	0.04	0.065	0					1.32
45.250	0.00	0.04	0.065	0					1.31
45.333	0.00	0.04	0.065	0					1.31
45.417	0.00	0.04	0.064	0					1.30
45.500	0.00	0.04	0.064	0					1.30
45.583	0.00	0.04	0.064	0					1.30
45.667	0.00	0.04	0.063	0					1.29
45.750	0.00	0.04	0.063	0					1.29
45.833	0.00	0.04	0.063	0					1.28
45.917	0.00	0.04	0.063	0					1.28
46.000	0.00	0.04	0.062	0					1.28
46.083	0.00	0.04	0.062	0					1.27
46.167	0.00	0.04	0.062	0					1.27
46.250	0.00	0.04	0.062	0					1.27
46.333	0.00	0.04	0.061	0					1.26
46.417	0.00	0.04	0.061	0					1.26
46.500	0.00	0.04	0.061	0					1.25
46.583	0.00	0.04	0.061	0					1.25
46.667	0.00	0.04	0.060	0					1.25
46.750	0.00	0.04	0.060	0					1.24
46.833	0.00	0.04	0.060	0					1.24
46.917	0.00	0.04	0.059	0					1.24
47.000	0.00	0.04	0.059	0					1.23
47.083	0.00	0.04	0.059	0					1.23
47.167	0.00	0.04	0.059	0					1.22
47.250	0.00	0.04	0.058	0					1.22
47.333	0.00	0.04	0.058	0					1.22
47.417	0.00	0.04	0.058	0					1.21
47.500	0.00	0.04	0.058	0					1.21
47.583	0.00	0.04	0.057	0					1.20
47.667	0.00	0.04	0.057	0					1.20

47.750	0.00	0.04	0.057	0					1.20
47.833	0.00	0.04	0.057	0					1.19
47.917	0.00	0.04	0.056	0					1.19
48.000	0.00	0.04	0.056	0					1.19
48.083	0.00	0.04	0.056	0					1.18
48.167	0.00	0.04	0.056	0					1.18
48.250	0.00	0.04	0.055	0					1.18
48.333	0.00	0.04	0.055	0					1.17
48.417	0.00	0.04	0.055	0					1.17
48.500	0.00	0.04	0.054	0					1.16
48.583	0.00	0.04	0.054	0					1.16
48.667	0.00	0.04	0.054	0					1.16
48.750	0.00	0.04	0.054	0					1.15
48.833	0.00	0.04	0.053	0					1.15
48.917	0.00	0.04	0.053	0					1.15
49.000	0.00	0.04	0.053	0					1.14
49.083	0.00	0.04	0.053	0					1.14
49.167	0.00	0.04	0.052	0					1.13
49.250	0.00	0.04	0.052	0					1.13
49.333	0.00	0.04	0.052	0					1.13
49.417	0.00	0.04	0.052	0					1.12
49.500	0.00	0.04	0.051	0					1.12
49.583	0.00	0.04	0.051	0					1.12
49.667	0.00	0.04	0.051	0					1.11
49.750	0.00	0.04	0.051	0					1.11
49.833	0.00	0.04	0.050	0					1.11
49.917	0.00	0.04	0.050	0					1.10
50.000	0.00	0.04	0.050	0					1.10
50.083	0.00	0.04	0.050	0					1.09
50.167	0.00	0.04	0.049	0					1.09
50.250	0.00	0.04	0.049	0					1.09
50.333	0.00	0.04	0.049	0					1.08
50.417	0.00	0.04	0.049	0					1.08
50.500	0.00	0.04	0.048	0					1.08
50.583	0.00	0.04	0.048	0					1.07
50.667	0.00	0.04	0.048	0					1.07
50.750	0.00	0.04	0.048	0					1.07
50.833	0.00	0.04	0.047	0					1.06
50.917	0.00	0.04	0.047	0					1.06
51.000	0.00	0.04	0.047	0					1.06
51.083	0.00	0.04	0.047	0					1.05
51.167	0.00	0.04	0.046	0					1.05
51.250	0.00	0.04	0.046	0					1.05
51.333	0.00	0.04	0.046	0					1.04
51.417	0.00	0.04	0.046	0					1.04
51.500	0.00	0.04	0.045	0					1.03
51.583	0.00	0.04	0.045	0					1.03
51.667	0.00	0.04	0.045	0					1.03
51.750	0.00	0.04	0.045	0					1.02
51.833	0.00	0.04	0.044	0					1.02

51.917	0.00	0.04	0.044	0					1.02
52.000	0.00	0.04	0.044	0					1.01
52.083	0.00	0.04	0.044	0					1.01
52.167	0.00	0.04	0.043	0					1.01
52.250	0.00	0.04	0.043	0					1.00
52.333	0.00	0.04	0.043	0					1.00
52.417	0.00	0.03	0.043	0					0.99
52.500	0.00	0.03	0.043	0					0.99
52.583	0.00	0.03	0.042	0					0.98
52.667	0.00	0.03	0.042	0					0.98
52.750	0.00	0.03	0.042	0					0.97
52.833	0.00	0.03	0.042	0					0.97
52.917	0.00	0.03	0.041	0					0.96
53.000	0.00	0.03	0.041	0					0.96
53.083	0.00	0.03	0.041	0					0.95
53.167	0.00	0.03	0.041	0					0.95
53.250	0.00	0.03	0.040	0					0.94
53.333	0.00	0.03	0.040	0					0.94
53.417	0.00	0.03	0.040	0					0.93
53.500	0.00	0.03	0.040	0					0.93
53.583	0.00	0.03	0.040	0					0.92
53.667	0.00	0.03	0.039	0					0.92
53.750	0.00	0.03	0.039	0					0.91
53.833	0.00	0.03	0.039	0					0.91
53.917	0.00	0.03	0.039	0					0.90
54.000	0.00	0.03	0.038	0					0.90
54.083	0.00	0.03	0.038	0					0.89
54.167	0.00	0.03	0.038	0					0.89
54.250	0.00	0.03	0.038	0					0.88
54.333	0.00	0.03	0.038	0					0.88
54.417	0.00	0.03	0.037	0					0.88
54.500	0.00	0.03	0.037	0					0.87
54.583	0.00	0.03	0.037	0					0.87
54.667	0.00	0.03	0.037	0					0.86
54.750	0.00	0.03	0.036	0					0.86
54.833	0.00	0.03	0.036	0					0.85
54.917	0.00	0.03	0.036	0					0.85
55.000	0.00	0.03	0.036	0					0.84
55.083	0.00	0.03	0.036	0					0.84
55.167	0.00	0.03	0.035	0					0.83
55.250	0.00	0.03	0.035	0					0.83
55.333	0.00	0.03	0.035	0					0.82
55.417	0.00	0.03	0.035	0					0.82
55.500	0.00	0.03	0.035	0					0.82
55.583	0.00	0.03	0.034	0					0.81
55.667	0.00	0.03	0.034	0					0.81
55.750	0.00	0.03	0.034	0					0.80
55.833	0.00	0.03	0.034	0					0.80
55.917	0.00	0.03	0.034	0					0.79
56.000	0.00	0.03	0.033	0					0.79

56.083	0.00	0.03	0.033	0					0.78
56.167	0.00	0.03	0.033	0					0.78
56.250	0.00	0.03	0.033	0					0.78
56.333	0.00	0.03	0.033	0					0.77
56.417	0.00	0.03	0.032	0					0.77
56.500	0.00	0.03	0.032	0					0.76
56.583	0.00	0.03	0.032	0					0.76
56.667	0.00	0.03	0.032	0					0.76
56.750	0.00	0.03	0.032	0					0.75
56.833	0.00	0.03	0.031	0					0.75
56.917	0.00	0.03	0.031	0					0.74
57.000	0.00	0.03	0.031	0					0.74
57.083	0.00	0.03	0.031	0					0.73
57.167	0.00	0.03	0.031	0					0.73
57.250	0.00	0.03	0.031	0					0.73
57.333	0.00	0.03	0.030	0					0.72
57.417	0.00	0.03	0.030	0					0.72
57.500	0.00	0.03	0.030	0					0.71
57.583	0.00	0.03	0.030	0					0.71
57.667	0.00	0.03	0.030	0					0.71
57.750	0.00	0.03	0.029	0					0.70
57.833	0.00	0.03	0.029	0					0.70
57.917	0.00	0.03	0.029	0					0.69
58.000	0.00	0.03	0.029	0					0.69
58.083	0.00	0.03	0.029	0					0.69
58.167	0.00	0.03	0.029	0					0.68
58.250	0.00	0.03	0.028	0					0.68
58.333	0.00	0.03	0.028	0					0.68
58.417	0.00	0.03	0.028	0					0.67
58.500	0.00	0.03	0.028	0					0.67
58.583	0.00	0.02	0.028	0					0.66
58.667	0.00	0.02	0.028	0					0.66
58.750	0.00	0.02	0.027	0					0.66
58.833	0.00	0.02	0.027	0					0.65
58.917	0.00	0.02	0.027	0					0.65
59.000	0.00	0.02	0.027	0					0.65
59.083	0.00	0.02	0.027	0					0.64
59.167	0.00	0.02	0.026	0					0.64
59.250	0.00	0.02	0.026	0					0.63
59.333	0.00	0.02	0.026	0					0.63
59.417	0.00	0.02	0.026	0					0.63
59.500	0.00	0.02	0.026	0					0.62
59.583	0.00	0.02	0.026	0					0.62
59.667	0.00	0.02	0.026	0					0.62
59.750	0.00	0.02	0.025	0					0.61
59.833	0.00	0.02	0.025	0					0.61
59.917	0.00	0.02	0.025	0					0.61
60.000	0.00	0.02	0.025	0					0.60
60.083	0.00	0.02	0.025	0					0.60
60.167	0.00	0.02	0.025	0					0.60

60.250	0.00	0.02	0.024	0					0.59
60.333	0.00	0.02	0.024	0					0.59
60.417	0.00	0.02	0.024	0					0.58
60.500	0.00	0.02	0.024	0					0.58
60.583	0.00	0.02	0.024	0					0.58
60.667	0.00	0.02	0.024	0					0.57
60.750	0.00	0.02	0.023	0					0.57
60.833	0.00	0.02	0.023	0					0.57
60.917	0.00	0.02	0.023	0					0.56
61.000	0.00	0.02	0.023	0					0.56
61.083	0.00	0.02	0.023	0					0.56
61.167	0.00	0.02	0.023	0					0.55
61.250	0.00	0.02	0.023	0					0.55
61.333	0.00	0.02	0.022	0					0.55
61.417	0.00	0.02	0.022	0					0.55
61.500	0.00	0.02	0.022	0					0.54
61.583	0.00	0.02	0.022	0					0.54
61.667	0.00	0.02	0.022	0					0.54
61.750	0.00	0.02	0.022	0					0.53
61.833	0.00	0.02	0.022	0					0.53
61.917	0.00	0.02	0.021	0					0.53
62.000	0.00	0.02	0.021	0					0.52
62.083	0.00	0.02	0.021	0					0.52
62.167	0.00	0.02	0.021	0					0.52
62.250	0.00	0.02	0.021	0					0.51
62.333	0.00	0.02	0.021	0					0.51
62.417	0.00	0.02	0.021	0					0.51
62.500	0.00	0.02	0.020	0					0.50
62.583	0.00	0.02	0.020	0					0.50
62.667	0.00	0.02	0.020	0					0.50
62.750	0.00	0.02	0.020	0					0.50
62.833	0.00	0.02	0.020	0					0.49
62.917	0.00	0.02	0.020	0					0.49
63.000	0.00	0.02	0.020	0					0.49
63.083	0.00	0.02	0.019	0					0.48
63.167	0.00	0.02	0.019	0					0.48
63.250	0.00	0.02	0.019	0					0.48
63.333	0.00	0.02	0.019	0					0.47
63.417	0.00	0.02	0.019	0					0.47
63.500	0.00	0.02	0.019	0					0.47
63.583	0.00	0.02	0.019	0					0.47
63.667	0.00	0.02	0.019	0					0.46
63.750	0.00	0.02	0.018	0					0.46
63.833	0.00	0.02	0.018	0					0.46
63.917	0.00	0.02	0.018	0					0.45
64.000	0.00	0.02	0.018	0					0.45
64.083	0.00	0.02	0.018	0					0.45
64.167	0.00	0.02	0.018	0					0.45
64.250	0.00	0.02	0.018	0					0.44
64.333	0.00	0.02	0.018	0					0.44

64.417	0.00	0.02	0.017	0					0.44
64.500	0.00	0.02	0.017	0					0.44
64.583	0.00	0.02	0.017	0					0.43
64.667	0.00	0.02	0.017	0					0.43
64.750	0.00	0.02	0.017	0					0.43
64.833	0.00	0.02	0.017	0					0.42
64.917	0.00	0.02	0.017	0					0.42
65.000	0.00	0.02	0.017	0					0.42
65.083	0.00	0.02	0.016	0					0.42
65.167	0.00	0.02	0.016	0					0.41
65.250	0.00	0.02	0.016	0					0.41
65.333	0.00	0.02	0.016	0					0.41
65.417	0.00	0.02	0.016	0					0.41
65.500	0.00	0.02	0.016	0					0.40
65.583	0.00	0.02	0.016	0					0.40
65.667	0.00	0.02	0.016	0					0.40
65.750	0.00	0.02	0.015	0					0.40
65.833	0.00	0.02	0.015	0					0.39
65.917	0.00	0.02	0.015	0					0.39
66.000	0.00	0.02	0.015	0					0.39
66.083	0.00	0.02	0.015	0					0.39
66.167	0.00	0.02	0.015	0					0.38
66.250	0.00	0.02	0.015	0					0.38
66.333	0.00	0.02	0.015	0					0.38
66.417	0.00	0.02	0.015	0					0.38
66.500	0.00	0.02	0.014	0					0.37
66.583	0.00	0.02	0.014	0					0.37
66.667	0.00	0.02	0.014	0					0.37
66.750	0.00	0.02	0.014	0					0.37
66.833	0.00	0.02	0.014	0					0.36
66.917	0.00	0.02	0.014	0					0.36
67.000	0.00	0.02	0.014	0					0.36
67.083	0.00	0.02	0.014	0					0.36
67.167	0.00	0.02	0.014	0					0.35
67.250	0.00	0.02	0.013	0					0.35
67.333	0.00	0.02	0.013	0					0.35
67.417	0.00	0.02	0.013	0					0.35
67.500	0.00	0.02	0.013	0					0.34
67.583	0.00	0.02	0.013	0					0.34
67.667	0.00	0.02	0.013	0					0.34
67.750	0.00	0.02	0.013	0					0.34
67.833	0.00	0.02	0.013	0					0.34
67.917	0.00	0.01	0.013	0					0.33
68.000	0.00	0.01	0.013	0					0.33
68.083	0.00	0.01	0.012	0					0.33
68.167	0.00	0.01	0.012	0					0.33
68.250	0.00	0.01	0.012	0					0.32
68.333	0.00	0.01	0.012	0					0.32
68.417	0.00	0.01	0.012	0					0.32
68.500	0.00	0.01	0.012	0					0.32

68.583	0.00	0.01	0.012	0					0.32
68.667	0.00	0.01	0.012	0					0.31
68.750	0.00	0.01	0.012	0					0.31
68.833	0.00	0.01	0.012	0					0.31
68.917	0.00	0.01	0.011	0					0.31
69.000	0.00	0.01	0.011	0					0.30
69.083	0.00	0.01	0.011	0					0.30
69.167	0.00	0.01	0.011	0					0.30
69.250	0.00	0.01	0.011	0					0.30
69.333	0.00	0.01	0.011	0					0.30
69.417	0.00	0.01	0.011	0					0.29
69.500	0.00	0.01	0.011	0					0.29
69.583	0.00	0.01	0.011	0					0.29
69.667	0.00	0.01	0.011	0					0.29
69.750	0.00	0.01	0.010	0					0.29
69.833	0.00	0.01	0.010	0					0.28
69.917	0.00	0.01	0.010	0					0.28
70.000	0.00	0.01	0.010	0					0.28
70.083	0.00	0.01	0.010	0					0.28
70.167	0.00	0.01	0.010	0					0.28
70.250	0.00	0.01	0.010	0					0.27
70.333	0.00	0.01	0.010	0					0.27
70.417	0.00	0.01	0.010	0					0.27
70.500	0.00	0.01	0.010	0					0.27
70.583	0.00	0.01	0.010	0					0.27
70.667	0.00	0.01	0.009	0					0.26
70.750	0.00	0.01	0.009	0					0.26
70.833	0.00	0.01	0.009	0					0.26
70.917	0.00	0.01	0.009	0					0.26
71.000	0.00	0.01	0.009	0					0.26
71.083	0.00	0.01	0.009	0					0.25
71.167	0.00	0.01	0.009	0					0.25
71.250	0.00	0.01	0.009	0					0.25
71.333	0.00	0.01	0.009	0					0.25
71.417	0.00	0.01	0.009	0					0.25
71.500	0.00	0.01	0.009	0					0.24
71.583	0.00	0.01	0.008	0					0.24
71.667	0.00	0.01	0.008	0					0.24
71.750	0.00	0.01	0.008	0					0.24
71.833	0.00	0.01	0.008	0					0.24
71.917	0.00	0.01	0.008	0					0.24
72.000	0.00	0.01	0.008	0					0.23
72.083	0.00	0.01	0.008	0					0.23
72.167	0.00	0.01	0.008	0					0.23
72.250	0.00	0.01	0.008	0					0.23
72.333	0.00	0.01	0.008	0					0.23
72.417	0.00	0.01	0.008	0					0.22
72.500	0.00	0.01	0.008	0					0.22
72.583	0.00	0.01	0.008	0					0.22
72.667	0.00	0.01	0.007	0					0.22

72.750	0.00	0.01	0.007	0					0.22
72.833	0.00	0.01	0.007	0					0.22
72.917	0.00	0.01	0.007	0					0.21
73.000	0.00	0.01	0.007	0					0.21
73.083	0.00	0.01	0.007	0					0.21
73.167	0.00	0.01	0.007	0					0.21
73.250	0.00	0.01	0.007	0					0.21
73.333	0.00	0.01	0.007	0					0.21
73.417	0.00	0.01	0.007	0					0.20
73.500	0.00	0.01	0.007	0					0.20
73.583	0.00	0.01	0.007	0					0.20
73.667	0.00	0.01	0.006	0					0.20
73.750	0.00	0.01	0.006	0					0.20
73.833	0.00	0.01	0.006	0					0.20
73.917	0.00	0.01	0.006	0					0.19
74.000	0.00	0.01	0.006	0					0.19
74.083	0.00	0.01	0.006	0					0.19
74.167	0.00	0.01	0.006	0					0.19
74.250	0.00	0.01	0.006	0					0.19
74.333	0.00	0.01	0.006	0					0.19
74.417	0.00	0.01	0.006	0					0.18
74.500	0.00	0.01	0.006	0					0.18
74.583	0.00	0.01	0.006	0					0.18
74.667	0.00	0.01	0.006	0					0.18
74.750	0.00	0.01	0.006	0					0.18
74.833	0.00	0.01	0.005	0					0.18
74.917	0.00	0.01	0.005	0					0.17
75.000	0.00	0.01	0.005	0					0.17
75.083	0.00	0.01	0.005	0					0.17
75.167	0.00	0.01	0.005	0					0.17
75.250	0.00	0.01	0.005	0					0.17
75.333	0.00	0.01	0.005	0					0.17
75.417	0.00	0.01	0.005	0					0.17
75.500	0.00	0.01	0.005	0					0.16
75.583	0.00	0.01	0.005	0					0.16
75.667	0.00	0.01	0.005	0					0.16
75.750	0.00	0.01	0.005	0					0.16
75.833	0.00	0.01	0.005	0					0.16
75.917	0.00	0.01	0.005	0					0.16
76.000	0.00	0.01	0.005	0					0.16
76.083	0.00	0.01	0.004	0					0.15
76.167	0.00	0.01	0.004	0					0.15
76.250	0.00	0.01	0.004	0					0.15
76.333	0.00	0.01	0.004	0					0.15
76.417	0.00	0.01	0.004	0					0.15
76.500	0.00	0.01	0.004	0					0.15
76.583	0.00	0.01	0.004	0					0.15
76.667	0.00	0.01	0.004	0					0.14
76.750	0.00	0.01	0.004	0					0.14
76.833	0.00	0.01	0.004	0					0.14

76.917	0.00	0.01	0.004	0					0.14
77.000	0.00	0.01	0.004	0					0.14
77.083	0.00	0.01	0.004	0					0.14
77.167	0.00	0.01	0.004	0					0.14
77.250	0.00	0.01	0.004	0					0.13
77.333	0.00	0.01	0.003	0					0.13
77.417	0.00	0.01	0.003	0					0.13
77.500	0.00	0.01	0.003	0					0.13
77.583	0.00	0.01	0.003	0					0.13
77.667	0.00	0.01	0.003	0					0.13
77.750	0.00	0.01	0.003	0					0.13
77.833	0.00	0.01	0.003	0					0.12
77.917	0.00	0.01	0.003	0					0.12
78.000	0.00	0.01	0.003	0					0.12
78.083	0.00	0.01	0.003	0					0.12
78.167	0.00	0.01	0.003	0					0.12
78.250	0.00	0.01	0.003	0					0.12
78.333	0.00	0.01	0.003	0					0.12
78.417	0.00	0.01	0.003	0					0.12
78.500	0.00	0.01	0.003	0					0.11
78.583	0.00	0.01	0.003	0					0.11
78.667	0.00	0.01	0.003	0					0.11
78.750	0.00	0.01	0.002	0					0.11
78.833	0.00	0.01	0.002	0					0.11
78.917	0.00	0.01	0.002	0					0.11
79.000	0.00	0.01	0.002	0					0.11
79.083	0.00	0.01	0.002	0					0.11
79.167	0.00	0.01	0.002	0					0.10
79.250	0.00	0.01	0.002	0					0.10
79.333	0.00	0.01	0.002	0					0.10
79.417	0.00	0.01	0.002	0					0.10
79.500	0.00	0.01	0.002	0					0.10
79.583	0.00	0.01	0.002	0					0.10
79.667	0.00	0.01	0.002	0					0.09
79.750	0.00	0.01	0.002	0					0.09
79.833	0.00	0.01	0.002	0					0.09
79.917	0.00	0.01	0.002	0					0.09
80.000	0.00	0.01	0.002	0					0.08
80.083	0.00	0.01	0.002	0					0.08
80.167	0.00	0.01	0.002	0					0.08
80.250	0.00	0.01	0.002	0					0.08
80.333	0.00	0.01	0.001	0					0.07
80.417	0.00	0.01	0.001	0					0.07
80.500	0.00	0.01	0.001	0					0.07
80.583	0.00	0.01	0.001	0					0.07
80.667	0.00	0.01	0.001	0					0.07
80.750	0.00	0.01	0.001	0					0.07
80.833	0.00	0.01	0.001	0					0.06
80.917	0.00	0.00	0.001	0					0.06
81.000	0.00	0.00	0.001	0					0.06

81.083	0.00	0.00	0.001	0					0.06
81.167	0.00	0.00	0.001	0					0.06
81.250	0.00	0.00	0.001	0					0.06
81.333	0.00	0.00	0.001	0					0.05
81.417	0.00	0.00	0.001	0					0.05
81.500	0.00	0.00	0.001	0					0.05
81.583	0.00	0.00	0.001	0					0.05
81.667	0.00	0.00	0.001	0					0.05
81.750	0.00	0.00	0.001	0					0.05
81.833	0.00	0.00	0.001	0					0.05
81.917	0.00	0.00	0.001	0					0.04
82.000	0.00	0.00	0.001	0					0.04
82.083	0.00	0.00	0.001	0					0.04
82.167	0.00	0.00	0.001	0					0.04
82.250	0.00	0.00	0.001	0					0.04
82.333	0.00	0.00	0.001	0					0.04
82.417	0.00	0.00	0.001	0					0.04
82.500	0.00	0.00	0.001	0					0.04
82.583	0.00	0.00	0.001	0					0.04
82.667	0.00	0.00	0.001	0					0.03
82.750	0.00	0.00	0.001	0					0.03
82.833	0.00	0.00	0.001	0					0.03
82.917	0.00	0.00	0.001	0					0.03
83.000	0.00	0.00	0.001	0					0.03
83.083	0.00	0.00	0.001	0					0.03
83.167	0.00	0.00	0.001	0					0.03
83.250	0.00	0.00	0.001	0					0.03
83.333	0.00	0.00	0.001	0					0.03
83.417	0.00	0.00	0.001	0					0.03
83.500	0.00	0.00	0.001	0					0.03
83.583	0.00	0.00	0.001	0					0.03
83.667	0.00	0.00	0.000	0					0.02
83.750	0.00	0.00	0.000	0					0.02
83.833	0.00	0.00	0.000	0					0.02
83.917	0.00	0.00	0.000	0					0.02
84.000	0.00	0.00	0.000	0					0.02
84.083	0.00	0.00	0.000	0					0.02
84.167	0.00	0.00	0.000	0					0.02
84.250	0.00	0.00	0.000	0					0.02
84.333	0.00	0.00	0.000	0					0.02
84.417	0.00	0.00	0.000	0					0.02
84.500	0.00	0.00	0.000	0					0.02
84.583	0.00	0.00	0.000	0					0.02
84.667	0.00	0.00	0.000	0					0.02
84.750	0.00	0.00	0.000	0					0.02
84.833	0.00	0.00	0.000	0					0.02
84.917	0.00	0.00	0.000	0					0.02
85.000	0.00	0.00	0.000	0					0.02
85.083	0.00	0.00	0.000	0					0.02
85.167	0.00	0.00	0.000	0					0.02

85.250	0.00	0.00	0.000	0					0.01
85.333	0.00	0.00	0.000	0					0.01
85.417	0.00	0.00	0.000	0					0.01
85.500	0.00	0.00	0.000	0					0.01
85.583	0.00	0.00	0.000	0					0.01
85.667	0.00	0.00	0.000	0					0.01
85.750	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1029

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.068 (CFS)

Total volume = 0.264 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
10 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da3110.rte
*****HYDROGRAPH DATA*****
Number of intervals = 13
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.521 (CFS)
Total volume = 0.174 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 13
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.6	3.26	4.89	6.52	Depth (Ft.)
0.083	0.60	0.01	0.002	O I					0.10
0.167	0.92	0.01	0.007	O I					0.21
0.250	1.06	0.02	0.014	O I					0.36
0.333	1.13	0.02	0.021	O I					0.53
0.417	1.29	0.03	0.030	O I					0.71
0.500	1.50	0.03	0.039	O I					0.91
0.583	1.74	0.04	0.050	O I					1.10
0.667	2.06	0.04	0.063	O I	I				1.28
0.750	2.90	0.04	0.080	O I	I				1.52
0.833	6.52	0.05	0.112	O I				I	1.98
0.917	3.81	0.05	0.147	O I		I			2.41
1.000	1.31	0.06	0.164	O I					2.62
1.083	0.38	0.06	0.170	O I					2.68
1.167	0.00	0.06	0.170	O					2.69
1.250	0.00	0.06	0.170	O					2.69
1.333	0.00	0.06	0.170	O					2.68
1.417	0.00	0.06	0.169	O					2.68
1.500	0.00	0.06	0.169	O					2.67
1.583	0.00	0.06	0.168	O					2.67
1.667	0.00	0.06	0.168	O					2.66
1.750	0.00	0.06	0.168	O					2.66
1.833	0.00	0.06	0.167	O					2.65

1.917	0.00	0.06	0.167	0					2.65
2.000	0.00	0.06	0.166	0					2.64
2.083	0.00	0.06	0.166	0					2.64
2.167	0.00	0.06	0.166	0					2.63
2.250	0.00	0.06	0.165	0					2.63
2.333	0.00	0.06	0.165	0					2.63
2.417	0.00	0.06	0.165	0					2.62
2.500	0.00	0.06	0.164	0					2.62
2.583	0.00	0.06	0.164	0					2.61
2.667	0.00	0.06	0.163	0					2.61
2.750	0.00	0.06	0.163	0					2.60
2.833	0.00	0.06	0.163	0					2.60
2.917	0.00	0.06	0.162	0					2.59
3.000	0.00	0.06	0.162	0					2.59
3.083	0.00	0.06	0.161	0					2.58
3.167	0.00	0.06	0.161	0					2.58
3.250	0.00	0.06	0.161	0					2.57
3.333	0.00	0.06	0.160	0					2.57
3.417	0.00	0.06	0.160	0					2.56
3.500	0.00	0.06	0.159	0					2.56
3.583	0.00	0.06	0.159	0					2.56
3.667	0.00	0.06	0.159	0					2.55
3.750	0.00	0.06	0.158	0					2.55
3.833	0.00	0.06	0.158	0					2.54
3.917	0.00	0.06	0.158	0					2.54
4.000	0.00	0.06	0.157	0					2.53
4.083	0.00	0.06	0.157	0					2.53
4.167	0.00	0.06	0.156	0					2.52
4.250	0.00	0.06	0.156	0					2.52
4.333	0.00	0.06	0.156	0					2.51
4.417	0.00	0.06	0.155	0					2.51
4.500	0.00	0.06	0.155	0					2.50
4.583	0.00	0.06	0.154	0					2.50
4.667	0.00	0.06	0.154	0					2.49
4.750	0.00	0.06	0.154	0					2.49
4.833	0.00	0.06	0.153	0					2.49
4.917	0.00	0.06	0.153	0					2.48
5.000	0.00	0.06	0.153	0					2.48
5.083	0.00	0.06	0.152	0					2.47
5.167	0.00	0.06	0.152	0					2.47
5.250	0.00	0.06	0.151	0					2.46
5.333	0.00	0.06	0.151	0					2.46
5.417	0.00	0.05	0.151	0					2.45
5.500	0.00	0.05	0.150	0					2.45
5.583	0.00	0.05	0.150	0					2.44
5.667	0.00	0.05	0.150	0					2.44
5.750	0.00	0.05	0.149	0					2.44
5.833	0.00	0.05	0.149	0					2.43
5.917	0.00	0.05	0.148	0					2.43
6.000	0.00	0.05	0.148	0					2.42

6.083	0.00	0.05	0.148	0					2.42
6.167	0.00	0.05	0.147	0					2.41
6.250	0.00	0.05	0.147	0					2.41
6.333	0.00	0.05	0.147	0					2.40
6.417	0.00	0.05	0.146	0					2.40
6.500	0.00	0.05	0.146	0					2.39
6.583	0.00	0.05	0.145	0					2.39
6.667	0.00	0.05	0.145	0					2.39
6.750	0.00	0.05	0.145	0					2.38
6.833	0.00	0.05	0.144	0					2.38
6.917	0.00	0.05	0.144	0					2.37
7.000	0.00	0.05	0.144	0					2.37
7.083	0.00	0.05	0.143	0					2.36
7.167	0.00	0.05	0.143	0					2.36
7.250	0.00	0.05	0.142	0					2.35
7.333	0.00	0.05	0.142	0					2.35
7.417	0.00	0.05	0.142	0					2.35
7.500	0.00	0.05	0.141	0					2.34
7.583	0.00	0.05	0.141	0					2.34
7.667	0.00	0.05	0.141	0					2.33
7.750	0.00	0.05	0.140	0					2.33
7.833	0.00	0.05	0.140	0					2.32
7.917	0.00	0.05	0.139	0					2.32
8.000	0.00	0.05	0.139	0					2.31
8.083	0.00	0.05	0.139	0					2.31
8.167	0.00	0.05	0.138	0					2.31
8.250	0.00	0.05	0.138	0					2.30
8.333	0.00	0.05	0.138	0					2.30
8.417	0.00	0.05	0.137	0					2.29
8.500	0.00	0.05	0.137	0					2.29
8.583	0.00	0.05	0.137	0					2.28
8.667	0.00	0.05	0.136	0					2.28
8.750	0.00	0.05	0.136	0					2.27
8.833	0.00	0.05	0.135	0					2.27
8.917	0.00	0.05	0.135	0					2.27
9.000	0.00	0.05	0.135	0					2.26
9.083	0.00	0.05	0.134	0					2.26
9.167	0.00	0.05	0.134	0					2.25
9.250	0.00	0.05	0.134	0					2.25
9.333	0.00	0.05	0.133	0					2.24
9.417	0.00	0.05	0.133	0					2.24
9.500	0.00	0.05	0.133	0					2.24
9.583	0.00	0.05	0.132	0					2.23
9.667	0.00	0.05	0.132	0					2.23
9.750	0.00	0.05	0.131	0					2.22
9.833	0.00	0.05	0.131	0					2.22
9.917	0.00	0.05	0.131	0					2.21
10.000	0.00	0.05	0.130	0					2.21
10.083	0.00	0.05	0.130	0					2.20
10.167	0.00	0.05	0.130	0					2.20

10.250	0.00	0.05	0.129	0					2.20
10.333	0.00	0.05	0.129	0					2.19
10.417	0.00	0.05	0.129	0					2.19
10.500	0.00	0.05	0.128	0					2.18
10.583	0.00	0.05	0.128	0					2.18
10.667	0.00	0.05	0.127	0					2.17
10.750	0.00	0.05	0.127	0					2.17
10.833	0.00	0.05	0.127	0					2.17
10.917	0.00	0.05	0.126	0					2.16
11.000	0.00	0.05	0.126	0					2.16
11.083	0.00	0.05	0.126	0					2.15
11.167	0.00	0.05	0.125	0					2.15
11.250	0.00	0.05	0.125	0					2.14
11.333	0.00	0.05	0.125	0					2.14
11.417	0.00	0.05	0.124	0					2.14
11.500	0.00	0.05	0.124	0					2.13
11.583	0.00	0.05	0.124	0					2.13
11.667	0.00	0.05	0.123	0					2.12
11.750	0.00	0.05	0.123	0					2.12
11.833	0.00	0.05	0.122	0					2.11
11.917	0.00	0.05	0.122	0					2.11
12.000	0.00	0.05	0.122	0					2.11
12.083	0.00	0.05	0.121	0					2.10
12.167	0.00	0.05	0.121	0					2.10
12.250	0.00	0.05	0.121	0					2.09
12.333	0.00	0.05	0.120	0					2.09
12.417	0.00	0.05	0.120	0					2.08
12.500	0.00	0.05	0.120	0					2.08
12.583	0.00	0.05	0.119	0					2.08
12.667	0.00	0.05	0.119	0					2.07
12.750	0.00	0.05	0.119	0					2.07
12.833	0.00	0.05	0.118	0					2.06
12.917	0.00	0.05	0.118	0					2.06
13.000	0.00	0.05	0.118	0					2.06
13.083	0.00	0.05	0.117	0					2.05
13.167	0.00	0.05	0.117	0					2.05
13.250	0.00	0.05	0.117	0					2.04
13.333	0.00	0.05	0.116	0					2.04
13.417	0.00	0.05	0.116	0					2.03
13.500	0.00	0.05	0.115	0					2.03
13.583	0.00	0.05	0.115	0					2.03
13.667	0.00	0.05	0.115	0					2.02
13.750	0.00	0.05	0.114	0					2.02
13.833	0.00	0.05	0.114	0					2.01
13.917	0.00	0.05	0.114	0					2.01
14.000	0.00	0.05	0.113	0					2.01
14.083	0.00	0.05	0.113	0					2.00
14.167	0.00	0.05	0.113	0					2.00
14.250	0.00	0.05	0.112	0					1.99
14.333	0.00	0.05	0.112	0					1.99

14.417	0.00	0.05	0.112	0					1.98
14.500	0.00	0.05	0.111	0					1.98
14.583	0.00	0.05	0.111	0					1.97
14.667	0.00	0.05	0.111	0					1.97
14.750	0.00	0.05	0.110	0					1.96
14.833	0.00	0.05	0.110	0					1.96
14.917	0.00	0.05	0.110	0					1.95
15.000	0.00	0.05	0.109	0					1.95
15.083	0.00	0.05	0.109	0					1.94
15.167	0.00	0.05	0.109	0					1.94
15.250	0.00	0.05	0.108	0					1.93
15.333	0.00	0.05	0.108	0					1.93
15.417	0.00	0.05	0.108	0					1.92
15.500	0.00	0.05	0.107	0					1.92
15.583	0.00	0.05	0.107	0					1.91
15.667	0.00	0.05	0.107	0					1.91
15.750	0.00	0.05	0.106	0					1.90
15.833	0.00	0.05	0.106	0					1.90
15.917	0.00	0.05	0.106	0					1.89
16.000	0.00	0.05	0.105	0					1.89
16.083	0.00	0.05	0.105	0					1.89
16.167	0.00	0.05	0.105	0					1.88
16.250	0.00	0.05	0.104	0					1.88
16.333	0.00	0.05	0.104	0					1.87
16.417	0.00	0.05	0.104	0					1.87
16.500	0.00	0.05	0.103	0					1.86
16.583	0.00	0.05	0.103	0					1.86
16.667	0.00	0.05	0.103	0					1.85
16.750	0.00	0.05	0.102	0					1.85
16.833	0.00	0.05	0.102	0					1.84
16.917	0.00	0.05	0.102	0					1.84
17.000	0.00	0.05	0.101	0					1.83
17.083	0.00	0.05	0.101	0					1.83
17.167	0.00	0.05	0.101	0					1.82
17.250	0.00	0.05	0.100	0					1.82
17.333	0.00	0.05	0.100	0					1.81
17.417	0.00	0.05	0.100	0					1.81
17.500	0.00	0.05	0.099	0					1.81
17.583	0.00	0.05	0.099	0					1.80
17.667	0.00	0.05	0.099	0					1.80
17.750	0.00	0.05	0.098	0					1.79
17.833	0.00	0.05	0.098	0					1.79
17.917	0.00	0.05	0.098	0					1.78
18.000	0.00	0.05	0.097	0					1.78
18.083	0.00	0.05	0.097	0					1.77
18.167	0.00	0.05	0.097	0					1.77
18.250	0.00	0.05	0.096	0					1.76
18.333	0.00	0.05	0.096	0					1.76
18.417	0.00	0.05	0.096	0					1.75
18.500	0.00	0.05	0.096	0					1.75

18.583	0.00	0.05	0.095	0					1.75
18.667	0.00	0.05	0.095	0					1.74
18.750	0.00	0.05	0.095	0					1.74
18.833	0.00	0.05	0.094	0					1.73
18.917	0.00	0.05	0.094	0					1.73
19.000	0.00	0.05	0.094	0					1.72
19.083	0.00	0.05	0.093	0					1.72
19.167	0.00	0.05	0.093	0					1.71
19.250	0.00	0.05	0.093	0					1.71
19.333	0.00	0.05	0.092	0					1.71
19.417	0.00	0.05	0.092	0					1.70
19.500	0.00	0.05	0.092	0					1.70
19.583	0.00	0.05	0.091	0					1.69
19.667	0.00	0.05	0.091	0					1.69
19.750	0.00	0.05	0.091	0					1.68
19.833	0.00	0.05	0.090	0					1.68
19.917	0.00	0.05	0.090	0					1.67
20.000	0.00	0.05	0.090	0					1.67
20.083	0.00	0.04	0.090	0					1.67
20.167	0.00	0.04	0.089	0					1.66
20.250	0.00	0.04	0.089	0					1.66
20.333	0.00	0.04	0.089	0					1.65
20.417	0.00	0.04	0.088	0					1.65
20.500	0.00	0.04	0.088	0					1.64
20.583	0.00	0.04	0.088	0					1.64
20.667	0.00	0.04	0.087	0					1.63
20.750	0.00	0.04	0.087	0					1.63
20.833	0.00	0.04	0.087	0					1.63
20.917	0.00	0.04	0.086	0					1.62
21.000	0.00	0.04	0.086	0					1.62
21.083	0.00	0.04	0.086	0					1.61
21.167	0.00	0.04	0.086	0					1.61
21.250	0.00	0.04	0.085	0					1.60
21.333	0.00	0.04	0.085	0					1.60
21.417	0.00	0.04	0.085	0					1.60
21.500	0.00	0.04	0.084	0					1.59
21.583	0.00	0.04	0.084	0					1.59
21.667	0.00	0.04	0.084	0					1.58
21.750	0.00	0.04	0.083	0					1.58
21.833	0.00	0.04	0.083	0					1.57
21.917	0.00	0.04	0.083	0					1.57
22.000	0.00	0.04	0.083	0					1.56
22.083	0.00	0.04	0.082	0					1.56
22.167	0.00	0.04	0.082	0					1.56
22.250	0.00	0.04	0.082	0					1.55
22.333	0.00	0.04	0.081	0					1.55
22.417	0.00	0.04	0.081	0					1.54
22.500	0.00	0.04	0.081	0					1.54
22.583	0.00	0.04	0.080	0					1.54
22.667	0.00	0.04	0.080	0					1.53

22.750	0.00	0.04	0.080	0					1.53
22.833	0.00	0.04	0.080	0					1.52
22.917	0.00	0.04	0.079	0					1.52
23.000	0.00	0.04	0.079	0					1.51
23.083	0.00	0.04	0.079	0					1.51
23.167	0.00	0.04	0.078	0					1.51
23.250	0.00	0.04	0.078	0					1.50
23.333	0.00	0.04	0.078	0					1.50
23.417	0.00	0.04	0.078	0					1.49
23.500	0.00	0.04	0.077	0					1.49
23.583	0.00	0.04	0.077	0					1.48
23.667	0.00	0.04	0.077	0					1.48
23.750	0.00	0.04	0.076	0					1.48
23.833	0.00	0.04	0.076	0					1.47
23.917	0.00	0.04	0.076	0					1.47
24.000	0.00	0.04	0.075	0					1.46
24.083	0.00	0.04	0.075	0					1.46
24.167	0.00	0.04	0.075	0					1.46
24.250	0.00	0.04	0.075	0					1.45
24.333	0.00	0.04	0.074	0					1.45
24.417	0.00	0.04	0.074	0					1.44
24.500	0.00	0.04	0.074	0					1.44
24.583	0.00	0.04	0.073	0					1.44
24.667	0.00	0.04	0.073	0					1.43
24.750	0.00	0.04	0.073	0					1.43
24.833	0.00	0.04	0.073	0					1.42
24.917	0.00	0.04	0.072	0					1.42
25.000	0.00	0.04	0.072	0					1.41
25.083	0.00	0.04	0.072	0					1.41
25.167	0.00	0.04	0.071	0					1.41
25.250	0.00	0.04	0.071	0					1.40
25.333	0.00	0.04	0.071	0					1.40
25.417	0.00	0.04	0.071	0					1.39
25.500	0.00	0.04	0.070	0					1.39
25.583	0.00	0.04	0.070	0					1.39
25.667	0.00	0.04	0.070	0					1.38
25.750	0.00	0.04	0.070	0					1.38
25.833	0.00	0.04	0.069	0					1.37
25.917	0.00	0.04	0.069	0					1.37
26.000	0.00	0.04	0.069	0					1.37
26.083	0.00	0.04	0.068	0					1.36
26.167	0.00	0.04	0.068	0					1.36
26.250	0.00	0.04	0.068	0					1.35
26.333	0.00	0.04	0.068	0					1.35
26.417	0.00	0.04	0.067	0					1.35
26.500	0.00	0.04	0.067	0					1.34
26.583	0.00	0.04	0.067	0					1.34
26.667	0.00	0.04	0.066	0					1.34
26.750	0.00	0.04	0.066	0					1.33
26.833	0.00	0.04	0.066	0					1.33

26.917	0.00	0.04	0.066	0					1.32
27.000	0.00	0.04	0.065	0					1.32
27.083	0.00	0.04	0.065	0					1.32
27.167	0.00	0.04	0.065	0					1.31
27.250	0.00	0.04	0.065	0					1.31
27.333	0.00	0.04	0.064	0					1.30
27.417	0.00	0.04	0.064	0					1.30
27.500	0.00	0.04	0.064	0					1.30
27.583	0.00	0.04	0.063	0					1.29
27.667	0.00	0.04	0.063	0					1.29
27.750	0.00	0.04	0.063	0					1.28
27.833	0.00	0.04	0.063	0					1.28
27.917	0.00	0.04	0.062	0					1.28
28.000	0.00	0.04	0.062	0					1.27
28.083	0.00	0.04	0.062	0					1.27
28.167	0.00	0.04	0.062	0					1.27
28.250	0.00	0.04	0.061	0					1.26
28.333	0.00	0.04	0.061	0					1.26
28.417	0.00	0.04	0.061	0					1.25
28.500	0.00	0.04	0.060	0					1.25
28.583	0.00	0.04	0.060	0					1.25
28.667	0.00	0.04	0.060	0					1.24
28.750	0.00	0.04	0.060	0					1.24
28.833	0.00	0.04	0.059	0					1.23
28.917	0.00	0.04	0.059	0					1.23
29.000	0.00	0.04	0.059	0					1.23
29.083	0.00	0.04	0.059	0					1.22
29.167	0.00	0.04	0.058	0					1.22
29.250	0.00	0.04	0.058	0					1.22
29.333	0.00	0.04	0.058	0					1.21
29.417	0.00	0.04	0.058	0					1.21
29.500	0.00	0.04	0.057	0					1.20
29.583	0.00	0.04	0.057	0					1.20
29.667	0.00	0.04	0.057	0					1.20
29.750	0.00	0.04	0.057	0					1.19
29.833	0.00	0.04	0.056	0					1.19
29.917	0.00	0.04	0.056	0					1.19
30.000	0.00	0.04	0.056	0					1.18
30.083	0.00	0.04	0.055	0					1.18
30.167	0.00	0.04	0.055	0					1.17
30.250	0.00	0.04	0.055	0					1.17
30.333	0.00	0.04	0.055	0					1.17
30.417	0.00	0.04	0.054	0					1.16
30.500	0.00	0.04	0.054	0					1.16
30.583	0.00	0.04	0.054	0					1.16
30.667	0.00	0.04	0.054	0					1.15
30.750	0.00	0.04	0.053	0					1.15
30.833	0.00	0.04	0.053	0					1.15
30.917	0.00	0.04	0.053	0					1.14
31.000	0.00	0.04	0.053	0					1.14

31.083	0.00	0.04	0.052	0					1.13
31.167	0.00	0.04	0.052	0					1.13
31.250	0.00	0.04	0.052	0					1.13
31.333	0.00	0.04	0.052	0					1.12
31.417	0.00	0.04	0.051	0					1.12
31.500	0.00	0.04	0.051	0					1.12
31.583	0.00	0.04	0.051	0					1.11
31.667	0.00	0.04	0.051	0					1.11
31.750	0.00	0.04	0.050	0					1.11
31.833	0.00	0.04	0.050	0					1.10
31.917	0.00	0.04	0.050	0					1.10
32.000	0.00	0.04	0.050	0					1.09
32.083	0.00	0.04	0.049	0					1.09
32.167	0.00	0.04	0.049	0					1.09
32.250	0.00	0.04	0.049	0					1.08
32.333	0.00	0.04	0.049	0					1.08
32.417	0.00	0.04	0.048	0					1.08
32.500	0.00	0.04	0.048	0					1.07
32.583	0.00	0.04	0.048	0					1.07
32.667	0.00	0.04	0.048	0					1.07
32.750	0.00	0.04	0.047	0					1.06
32.833	0.00	0.04	0.047	0					1.06
32.917	0.00	0.04	0.047	0					1.06
33.000	0.00	0.04	0.047	0					1.05
33.083	0.00	0.04	0.046	0					1.05
33.167	0.00	0.04	0.046	0					1.04
33.250	0.00	0.04	0.046	0					1.04
33.333	0.00	0.04	0.046	0					1.04
33.417	0.00	0.04	0.045	0					1.03
33.500	0.00	0.04	0.045	0					1.03
33.583	0.00	0.04	0.045	0					1.03
33.667	0.00	0.04	0.045	0					1.02
33.750	0.00	0.04	0.044	0					1.02
33.833	0.00	0.04	0.044	0					1.02
33.917	0.00	0.04	0.044	0					1.01
34.000	0.00	0.04	0.044	0					1.01
34.083	0.00	0.04	0.043	0					1.01
34.167	0.00	0.04	0.043	0					1.00
34.250	0.00	0.03	0.043	0					1.00
34.333	0.00	0.03	0.043	0					0.99
34.417	0.00	0.03	0.043	0					0.99
34.500	0.00	0.03	0.042	0					0.98
34.583	0.00	0.03	0.042	0					0.98
34.667	0.00	0.03	0.042	0					0.97
34.750	0.00	0.03	0.042	0					0.97
34.833	0.00	0.03	0.041	0					0.96
34.917	0.00	0.03	0.041	0					0.96
35.000	0.00	0.03	0.041	0					0.95
35.083	0.00	0.03	0.041	0					0.95
35.167	0.00	0.03	0.040	0					0.94

35.250	0.00	0.03	0.040	0					0.94
35.333	0.00	0.03	0.040	0					0.93
35.417	0.00	0.03	0.040	0					0.93
35.500	0.00	0.03	0.039	0					0.92
35.583	0.00	0.03	0.039	0					0.92
35.667	0.00	0.03	0.039	0					0.91
35.750	0.00	0.03	0.039	0					0.91
35.833	0.00	0.03	0.039	0					0.90
35.917	0.00	0.03	0.038	0					0.90
36.000	0.00	0.03	0.038	0					0.89
36.083	0.00	0.03	0.038	0					0.89
36.167	0.00	0.03	0.038	0					0.88
36.250	0.00	0.03	0.038	0					0.88
36.333	0.00	0.03	0.037	0					0.87
36.417	0.00	0.03	0.037	0					0.87
36.500	0.00	0.03	0.037	0					0.87
36.583	0.00	0.03	0.037	0					0.86
36.667	0.00	0.03	0.036	0					0.86
36.750	0.00	0.03	0.036	0					0.85
36.833	0.00	0.03	0.036	0					0.85
36.917	0.00	0.03	0.036	0					0.84
37.000	0.00	0.03	0.036	0					0.84
37.083	0.00	0.03	0.035	0					0.83
37.167	0.00	0.03	0.035	0					0.83
37.250	0.00	0.03	0.035	0					0.82
37.333	0.00	0.03	0.035	0					0.82
37.417	0.00	0.03	0.035	0					0.81
37.500	0.00	0.03	0.034	0					0.81
37.583	0.00	0.03	0.034	0					0.81
37.667	0.00	0.03	0.034	0					0.80
37.750	0.00	0.03	0.034	0					0.80
37.833	0.00	0.03	0.034	0					0.79
37.917	0.00	0.03	0.033	0					0.79
38.000	0.00	0.03	0.033	0					0.78
38.083	0.00	0.03	0.033	0					0.78
38.167	0.00	0.03	0.033	0					0.78
38.250	0.00	0.03	0.033	0					0.77
38.333	0.00	0.03	0.032	0					0.77
38.417	0.00	0.03	0.032	0					0.76
38.500	0.00	0.03	0.032	0					0.76
38.583	0.00	0.03	0.032	0					0.75
38.667	0.00	0.03	0.032	0					0.75
38.750	0.00	0.03	0.031	0					0.75
38.833	0.00	0.03	0.031	0					0.74
38.917	0.00	0.03	0.031	0					0.74
39.000	0.00	0.03	0.031	0					0.73
39.083	0.00	0.03	0.031	0					0.73
39.167	0.00	0.03	0.031	0					0.73
39.250	0.00	0.03	0.030	0					0.72
39.333	0.00	0.03	0.030	0					0.72

39.417	0.00	0.03	0.030	0					0.71
39.500	0.00	0.03	0.030	0					0.71
39.583	0.00	0.03	0.030	0					0.71
39.667	0.00	0.03	0.029	0					0.70
39.750	0.00	0.03	0.029	0					0.70
39.833	0.00	0.03	0.029	0					0.69
39.917	0.00	0.03	0.029	0					0.69
40.000	0.00	0.03	0.029	0					0.69
40.083	0.00	0.03	0.029	0					0.68
40.167	0.00	0.03	0.028	0					0.68
40.250	0.00	0.03	0.028	0					0.67
40.333	0.00	0.03	0.028	0					0.67
40.417	0.00	0.03	0.028	0					0.67
40.500	0.00	0.02	0.028	0					0.66
40.583	0.00	0.02	0.027	0					0.66
40.667	0.00	0.02	0.027	0					0.66
40.750	0.00	0.02	0.027	0					0.65
40.833	0.00	0.02	0.027	0					0.65
40.917	0.00	0.02	0.027	0					0.64
41.000	0.00	0.02	0.027	0					0.64
41.083	0.00	0.02	0.026	0					0.64
41.167	0.00	0.02	0.026	0					0.63
41.250	0.00	0.02	0.026	0					0.63
41.333	0.00	0.02	0.026	0					0.63
41.417	0.00	0.02	0.026	0					0.62
41.500	0.00	0.02	0.026	0					0.62
41.583	0.00	0.02	0.025	0					0.62
41.667	0.00	0.02	0.025	0					0.61
41.750	0.00	0.02	0.025	0					0.61
41.833	0.00	0.02	0.025	0					0.61
41.917	0.00	0.02	0.025	0					0.60
42.000	0.00	0.02	0.025	0					0.60
42.083	0.00	0.02	0.025	0					0.59
42.167	0.00	0.02	0.024	0					0.59
42.250	0.00	0.02	0.024	0					0.59
42.333	0.00	0.02	0.024	0					0.58
42.417	0.00	0.02	0.024	0					0.58
42.500	0.00	0.02	0.024	0					0.58
42.583	0.00	0.02	0.024	0					0.57
42.667	0.00	0.02	0.023	0					0.57
42.750	0.00	0.02	0.023	0					0.57
42.833	0.00	0.02	0.023	0					0.56
42.917	0.00	0.02	0.023	0					0.56
43.000	0.00	0.02	0.023	0					0.56
43.083	0.00	0.02	0.023	0					0.55
43.167	0.00	0.02	0.023	0					0.55
43.250	0.00	0.02	0.022	0					0.55
43.333	0.00	0.02	0.022	0					0.54
43.417	0.00	0.02	0.022	0					0.54
43.500	0.00	0.02	0.022	0					0.54

43.583	0.00	0.02	0.022	0					0.54
43.667	0.00	0.02	0.022	0					0.53
43.750	0.00	0.02	0.022	0					0.53
43.833	0.00	0.02	0.021	0					0.53
43.917	0.00	0.02	0.021	0					0.52
44.000	0.00	0.02	0.021	0					0.52
44.083	0.00	0.02	0.021	0					0.52
44.167	0.00	0.02	0.021	0					0.51
44.250	0.00	0.02	0.021	0					0.51
44.333	0.00	0.02	0.021	0					0.51
44.417	0.00	0.02	0.020	0					0.50
44.500	0.00	0.02	0.020	0					0.50
44.583	0.00	0.02	0.020	0					0.50
44.667	0.00	0.02	0.020	0					0.49
44.750	0.00	0.02	0.020	0					0.49
44.833	0.00	0.02	0.020	0					0.49
44.917	0.00	0.02	0.020	0					0.49
45.000	0.00	0.02	0.019	0					0.48
45.083	0.00	0.02	0.019	0					0.48
45.167	0.00	0.02	0.019	0					0.48
45.250	0.00	0.02	0.019	0					0.47
45.333	0.00	0.02	0.019	0					0.47
45.417	0.00	0.02	0.019	0					0.47
45.500	0.00	0.02	0.019	0					0.47
45.583	0.00	0.02	0.019	0					0.46
45.667	0.00	0.02	0.018	0					0.46
45.750	0.00	0.02	0.018	0					0.46
45.833	0.00	0.02	0.018	0					0.45
45.917	0.00	0.02	0.018	0					0.45
46.000	0.00	0.02	0.018	0					0.45
46.083	0.00	0.02	0.018	0					0.45
46.167	0.00	0.02	0.018	0					0.44
46.250	0.00	0.02	0.018	0					0.44
46.333	0.00	0.02	0.017	0					0.44
46.417	0.00	0.02	0.017	0					0.43
46.500	0.00	0.02	0.017	0					0.43
46.583	0.00	0.02	0.017	0					0.43
46.667	0.00	0.02	0.017	0					0.43
46.750	0.00	0.02	0.017	0					0.42
46.833	0.00	0.02	0.017	0					0.42
46.917	0.00	0.02	0.017	0					0.42
47.000	0.00	0.02	0.016	0					0.42
47.083	0.00	0.02	0.016	0					0.41
47.167	0.00	0.02	0.016	0					0.41
47.250	0.00	0.02	0.016	0					0.41
47.333	0.00	0.02	0.016	0					0.41
47.417	0.00	0.02	0.016	0					0.40
47.500	0.00	0.02	0.016	0					0.40
47.583	0.00	0.02	0.016	0					0.40
47.667	0.00	0.02	0.015	0					0.40

47.750	0.00	0.02	0.015	0					0.39
47.833	0.00	0.02	0.015	0					0.39
47.917	0.00	0.02	0.015	0					0.39
48.000	0.00	0.02	0.015	0					0.39
48.083	0.00	0.02	0.015	0					0.38
48.167	0.00	0.02	0.015	0					0.38
48.250	0.00	0.02	0.015	0					0.38
48.333	0.00	0.02	0.015	0					0.38
48.417	0.00	0.02	0.014	0					0.37
48.500	0.00	0.02	0.014	0					0.37
48.583	0.00	0.02	0.014	0					0.37
48.667	0.00	0.02	0.014	0					0.37
48.750	0.00	0.02	0.014	0					0.36
48.833	0.00	0.02	0.014	0					0.36
48.917	0.00	0.02	0.014	0					0.36
49.000	0.00	0.02	0.014	0					0.36
49.083	0.00	0.02	0.014	0					0.35
49.167	0.00	0.02	0.013	0					0.35
49.250	0.00	0.02	0.013	0					0.35
49.333	0.00	0.02	0.013	0					0.35
49.417	0.00	0.02	0.013	0					0.34
49.500	0.00	0.02	0.013	0					0.34
49.583	0.00	0.02	0.013	0					0.34
49.667	0.00	0.02	0.013	0					0.34
49.750	0.00	0.02	0.013	0					0.34
49.833	0.00	0.01	0.013	0					0.33
49.917	0.00	0.01	0.012	0					0.33
50.000	0.00	0.01	0.012	0					0.33
50.083	0.00	0.01	0.012	0					0.33
50.167	0.00	0.01	0.012	0					0.32
50.250	0.00	0.01	0.012	0					0.32
50.333	0.00	0.01	0.012	0					0.32
50.417	0.00	0.01	0.012	0					0.32
50.500	0.00	0.01	0.012	0					0.31
50.583	0.00	0.01	0.012	0					0.31
50.667	0.00	0.01	0.012	0					0.31
50.750	0.00	0.01	0.011	0					0.31
50.833	0.00	0.01	0.011	0					0.31
50.917	0.00	0.01	0.011	0					0.30
51.000	0.00	0.01	0.011	0					0.30
51.083	0.00	0.01	0.011	0					0.30
51.167	0.00	0.01	0.011	0					0.30
51.250	0.00	0.01	0.011	0					0.30
51.333	0.00	0.01	0.011	0					0.29
51.417	0.00	0.01	0.011	0					0.29
51.500	0.00	0.01	0.011	0					0.29
51.583	0.00	0.01	0.011	0					0.29
51.667	0.00	0.01	0.010	0					0.29
51.750	0.00	0.01	0.010	0					0.28
51.833	0.00	0.01	0.010	0					0.28

51.917	0.00	0.01	0.010	0					0.28
52.000	0.00	0.01	0.010	0					0.28
52.083	0.00	0.01	0.010	0					0.28
52.167	0.00	0.01	0.010	0					0.27
52.250	0.00	0.01	0.010	0					0.27
52.333	0.00	0.01	0.010	0					0.27
52.417	0.00	0.01	0.010	0					0.27
52.500	0.00	0.01	0.010	0					0.27
52.583	0.00	0.01	0.009	0					0.26
52.667	0.00	0.01	0.009	0					0.26
52.750	0.00	0.01	0.009	0					0.26
52.833	0.00	0.01	0.009	0					0.26
52.917	0.00	0.01	0.009	0					0.26
53.000	0.00	0.01	0.009	0					0.25
53.083	0.00	0.01	0.009	0					0.25
53.167	0.00	0.01	0.009	0					0.25
53.250	0.00	0.01	0.009	0					0.25
53.333	0.00	0.01	0.009	0					0.25
53.417	0.00	0.01	0.009	0					0.24
53.500	0.00	0.01	0.008	0					0.24
53.583	0.00	0.01	0.008	0					0.24
53.667	0.00	0.01	0.008	0					0.24
53.750	0.00	0.01	0.008	0					0.24
53.833	0.00	0.01	0.008	0					0.24
53.917	0.00	0.01	0.008	0					0.23
54.000	0.00	0.01	0.008	0					0.23
54.083	0.00	0.01	0.008	0					0.23
54.167	0.00	0.01	0.008	0					0.23
54.250	0.00	0.01	0.008	0					0.23
54.333	0.00	0.01	0.008	0					0.22
54.417	0.00	0.01	0.008	0					0.22
54.500	0.00	0.01	0.007	0					0.22
54.583	0.00	0.01	0.007	0					0.22
54.667	0.00	0.01	0.007	0					0.22
54.750	0.00	0.01	0.007	0					0.22
54.833	0.00	0.01	0.007	0					0.21
54.917	0.00	0.01	0.007	0					0.21
55.000	0.00	0.01	0.007	0					0.21
55.083	0.00	0.01	0.007	0					0.21
55.167	0.00	0.01	0.007	0					0.21
55.250	0.00	0.01	0.007	0					0.21
55.333	0.00	0.01	0.007	0					0.20
55.417	0.00	0.01	0.007	0					0.20
55.500	0.00	0.01	0.007	0					0.20
55.583	0.00	0.01	0.006	0					0.20
55.667	0.00	0.01	0.006	0					0.20
55.750	0.00	0.01	0.006	0					0.20
55.833	0.00	0.01	0.006	0					0.19
55.917	0.00	0.01	0.006	0					0.19
56.000	0.00	0.01	0.006	0					0.19

56.083	0.00	0.01	0.006	0					0.19
56.167	0.00	0.01	0.006	0					0.19
56.250	0.00	0.01	0.006	0					0.19
56.333	0.00	0.01	0.006	0					0.18
56.417	0.00	0.01	0.006	0					0.18
56.500	0.00	0.01	0.006	0					0.18
56.583	0.00	0.01	0.006	0					0.18
56.667	0.00	0.01	0.006	0					0.18
56.750	0.00	0.01	0.005	0					0.18
56.833	0.00	0.01	0.005	0					0.17
56.917	0.00	0.01	0.005	0					0.17
57.000	0.00	0.01	0.005	0					0.17
57.083	0.00	0.01	0.005	0					0.17
57.167	0.00	0.01	0.005	0					0.17
57.250	0.00	0.01	0.005	0					0.17
57.333	0.00	0.01	0.005	0					0.17
57.417	0.00	0.01	0.005	0					0.16
57.500	0.00	0.01	0.005	0					0.16
57.583	0.00	0.01	0.005	0					0.16
57.667	0.00	0.01	0.005	0					0.16
57.750	0.00	0.01	0.005	0					0.16
57.833	0.00	0.01	0.005	0					0.16
57.917	0.00	0.01	0.005	0					0.15
58.000	0.00	0.01	0.004	0					0.15
58.083	0.00	0.01	0.004	0					0.15
58.167	0.00	0.01	0.004	0					0.15
58.250	0.00	0.01	0.004	0					0.15
58.333	0.00	0.01	0.004	0					0.15
58.417	0.00	0.01	0.004	0					0.15
58.500	0.00	0.01	0.004	0					0.14
58.583	0.00	0.01	0.004	0					0.14
58.667	0.00	0.01	0.004	0					0.14
58.750	0.00	0.01	0.004	0					0.14
58.833	0.00	0.01	0.004	0					0.14
58.917	0.00	0.01	0.004	0					0.14
59.000	0.00	0.01	0.004	0					0.14
59.083	0.00	0.01	0.004	0					0.14
59.167	0.00	0.01	0.004	0					0.13
59.250	0.00	0.01	0.003	0					0.13
59.333	0.00	0.01	0.003	0					0.13
59.417	0.00	0.01	0.003	0					0.13
59.500	0.00	0.01	0.003	0					0.13
59.583	0.00	0.01	0.003	0					0.13
59.667	0.00	0.01	0.003	0					0.13
59.750	0.00	0.01	0.003	0					0.12
59.833	0.00	0.01	0.003	0					0.12
59.917	0.00	0.01	0.003	0					0.12
60.000	0.00	0.01	0.003	0					0.12
60.083	0.00	0.01	0.003	0					0.12
60.167	0.00	0.01	0.003	0					0.12

60.250	0.00	0.01	0.003	0					0.12
60.333	0.00	0.01	0.003	0					0.12
60.417	0.00	0.01	0.003	0					0.11
60.500	0.00	0.01	0.003	0					0.11
60.583	0.00	0.01	0.003	0					0.11
60.667	0.00	0.01	0.002	0					0.11
60.750	0.00	0.01	0.002	0					0.11
60.833	0.00	0.01	0.002	0					0.11
60.917	0.00	0.01	0.002	0					0.11
61.000	0.00	0.01	0.002	0					0.11
61.083	0.00	0.01	0.002	0					0.10
61.167	0.00	0.01	0.002	0					0.10
61.250	0.00	0.01	0.002	0					0.10
61.333	0.00	0.01	0.002	0					0.10
61.417	0.00	0.01	0.002	0					0.10
61.500	0.00	0.01	0.002	0					0.10
61.583	0.00	0.01	0.002	0					0.09
61.667	0.00	0.01	0.002	0					0.09
61.750	0.00	0.01	0.002	0					0.09
61.833	0.00	0.01	0.002	0					0.09
61.917	0.00	0.01	0.002	0					0.08
62.000	0.00	0.01	0.002	0					0.08
62.083	0.00	0.01	0.002	0					0.08
62.167	0.00	0.01	0.002	0					0.08
62.250	0.00	0.01	0.001	0					0.07
62.333	0.00	0.01	0.001	0					0.07
62.417	0.00	0.01	0.001	0					0.07
62.500	0.00	0.01	0.001	0					0.07
62.583	0.00	0.01	0.001	0					0.07
62.667	0.00	0.01	0.001	0					0.06
62.750	0.00	0.01	0.001	0					0.06
62.833	0.00	0.00	0.001	0					0.06
62.917	0.00	0.00	0.001	0					0.06
63.000	0.00	0.00	0.001	0					0.06
63.083	0.00	0.00	0.001	0					0.06
63.167	0.00	0.00	0.001	0					0.06
63.250	0.00	0.00	0.001	0					0.05
63.333	0.00	0.00	0.001	0					0.05
63.417	0.00	0.00	0.001	0					0.05
63.500	0.00	0.00	0.001	0					0.05
63.583	0.00	0.00	0.001	0					0.05
63.667	0.00	0.00	0.001	0					0.05
63.750	0.00	0.00	0.001	0					0.05
63.833	0.00	0.00	0.001	0					0.04
63.917	0.00	0.00	0.001	0					0.04
64.000	0.00	0.00	0.001	0					0.04
64.083	0.00	0.00	0.001	0					0.04
64.167	0.00	0.00	0.001	0					0.04
64.250	0.00	0.00	0.001	0					0.04
64.333	0.00	0.00	0.001	0					0.04

64.417	0.00	0.00	0.001	0					0.04
64.500	0.00	0.00	0.001	0					0.04
64.583	0.00	0.00	0.001	0					0.03
64.667	0.00	0.00	0.001	0					0.03
64.750	0.00	0.00	0.001	0					0.03
64.833	0.00	0.00	0.001	0					0.03
64.917	0.00	0.00	0.001	0					0.03
65.000	0.00	0.00	0.001	0					0.03
65.083	0.00	0.00	0.001	0					0.03
65.167	0.00	0.00	0.001	0					0.03
65.250	0.00	0.00	0.001	0					0.03
65.333	0.00	0.00	0.001	0					0.03
65.417	0.00	0.00	0.001	0					0.03
65.500	0.00	0.00	0.001	0					0.03
65.583	0.00	0.00	0.000	0					0.02
65.667	0.00	0.00	0.000	0					0.02
65.750	0.00	0.00	0.000	0					0.02
65.833	0.00	0.00	0.000	0					0.02
65.917	0.00	0.00	0.000	0					0.02
66.000	0.00	0.00	0.000	0					0.02
66.083	0.00	0.00	0.000	0					0.02
66.167	0.00	0.00	0.000	0					0.02
66.250	0.00	0.00	0.000	0					0.02
66.333	0.00	0.00	0.000	0					0.02
66.417	0.00	0.00	0.000	0					0.02
66.500	0.00	0.00	0.000	0					0.02
66.583	0.00	0.00	0.000	0					0.02
66.667	0.00	0.00	0.000	0					0.02
66.750	0.00	0.00	0.000	0					0.02
66.833	0.00	0.00	0.000	0					0.02
66.917	0.00	0.00	0.000	0					0.02
67.000	0.00	0.00	0.000	0					0.02
67.083	0.00	0.00	0.000	0					0.02
67.167	0.00	0.00	0.000	0					0.01
67.250	0.00	0.00	0.000	0					0.01
67.333	0.00	0.00	0.000	0					0.01
67.417	0.00	0.00	0.000	0					0.01
67.500	0.00	0.00	0.000	0					0.01
67.583	0.00	0.00	0.000	0					0.01
67.667	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 812
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 0.058 (CFS)
 Total volume = 0.173 (Ac.Ft)
 Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
5 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da3245.rte
*****HYDROGRAPH DATA*****
Number of intervals = 289
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.802 (CFS)
Total volume = 0.487 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 289
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.40	0.60	0.80	Depth (Ft.)
0.083	0.03	0.00	0.000	OI					0.01
0.167	0.05	0.00	0.000	OI					0.02
0.250	0.05	0.00	0.001	OI					0.03
0.333	0.06	0.00	0.001	O I					0.05
0.417	0.07	0.01	0.001	O I					0.07
0.500	0.07	0.01	0.002	O I					0.10
0.583	0.07	0.01	0.002	O I					0.11
0.667	0.07	0.01	0.003	O I					0.12
0.750	0.07	0.01	0.003	O I					0.13
0.833	0.09	0.01	0.004	O I					0.14
0.917	0.09	0.01	0.004	O I					0.15
1.000	0.09	0.01	0.005	O I					0.16
1.083	0.08	0.01	0.005	O I					0.17
1.167	0.07	0.01	0.006	O I					0.18
1.250	0.07	0.01	0.006	O I					0.19
1.333	0.07	0.01	0.007	O I					0.20
1.417	0.07	0.01	0.007	O I					0.21
1.500	0.07	0.01	0.007	O I					0.22
1.583	0.07	0.01	0.008	O I					0.23
1.667	0.07	0.01	0.008	O I					0.24
1.750	0.07	0.01	0.009	O I					0.25
1.833	0.09	0.01	0.009	O I					0.26

1.917	0.09	0.01	0.010	0	I					0.27
2.000	0.09	0.01	0.010	0	I					0.28
2.083	0.09	0.01	0.011	0	I					0.29
2.167	0.09	0.01	0.011	0	I					0.30
2.250	0.09	0.01	0.012	0	I					0.32
2.333	0.09	0.01	0.012	0	I					0.33
2.417	0.09	0.02	0.013	0	I					0.34
2.500	0.09	0.02	0.013	0	I					0.35
2.583	0.11	0.02	0.014	0	I					0.37
2.667	0.12	0.02	0.015	0	I					0.38
2.750	0.12	0.02	0.015	0	I					0.40
2.833	0.12	0.02	0.016	0	I					0.41
2.917	0.12	0.02	0.017	0	I					0.43
3.000	0.12	0.02	0.018	0	I					0.44
3.083	0.12	0.02	0.018	0	I					0.46
3.167	0.12	0.02	0.019	0	I					0.47
3.250	0.12	0.02	0.020	0	I					0.49
3.333	0.12	0.02	0.020	0	I					0.50
3.417	0.12	0.02	0.021	0	I					0.52
3.500	0.12	0.02	0.022	0	I					0.53
3.583	0.12	0.02	0.022	0	I					0.54
3.667	0.12	0.02	0.023	0	I					0.56
3.750	0.12	0.02	0.024	0	I					0.57
3.833	0.13	0.02	0.024	0	I					0.59
3.917	0.14	0.02	0.025	0	I					0.61
4.000	0.14	0.02	0.026	0	I					0.62
4.083	0.14	0.02	0.027	0	I					0.64
4.167	0.14	0.02	0.028	0	I					0.66
4.250	0.14	0.03	0.028	0	I					0.68
4.333	0.16	0.03	0.029	0	I					0.70
4.417	0.17	0.03	0.030	0	I					0.72
4.500	0.17	0.03	0.031	0	I					0.74
4.583	0.17	0.03	0.032	0	I					0.76
4.667	0.17	0.03	0.033	0	I					0.78
4.750	0.17	0.03	0.034	0	I					0.80
4.833	0.18	0.03	0.035	0	I					0.82
4.917	0.19	0.03	0.036	0	I					0.84
5.000	0.19	0.03	0.037	0	I					0.87
5.083	0.16	0.03	0.038	0	I					0.89
5.167	0.14	0.03	0.039	0	I					0.91
5.250	0.14	0.03	0.040	0	I					0.92
5.333	0.16	0.03	0.040	0	I					0.94
5.417	0.17	0.03	0.041	0	I					0.96
5.500	0.17	0.03	0.042	0	I					0.98
5.583	0.18	0.04	0.043	0	I					1.00
5.667	0.19	0.04	0.044	0	I					1.02
5.750	0.19	0.04	0.045	0	I					1.03
5.833	0.19	0.04	0.046	0	I					1.05
5.917	0.19	0.04	0.047	0	I					1.06
6.000	0.19	0.04	0.048	0	I					1.08

6.083	0.20	0.04	0.049	0	I				1.09
6.167	0.21	0.04	0.051	0	I				1.11
6.250	0.21	0.04	0.052	0	I				1.13
6.333	0.21	0.04	0.053	0	I				1.14
6.417	0.21	0.04	0.054	0	I				1.16
6.500	0.21	0.04	0.055	0	I				1.18
6.583	0.23	0.04	0.057	0	I				1.20
6.667	0.24	0.04	0.058	0	I				1.21
6.750	0.24	0.04	0.059	0	I				1.23
6.833	0.24	0.04	0.061	0	I				1.25
6.917	0.24	0.04	0.062	0	I				1.27
7.000	0.24	0.04	0.063	0	I				1.29
7.083	0.24	0.04	0.065	0	I				1.31
7.167	0.24	0.04	0.066	0	I				1.33
7.250	0.24	0.04	0.067	0	I				1.35
7.333	0.25	0.04	0.069	0	I				1.37
7.417	0.26	0.04	0.070	0	I				1.39
7.500	0.26	0.04	0.072	0	I				1.41
7.583	0.28	0.04	0.073	0	I				1.43
7.667	0.28	0.04	0.075	0	I				1.46
7.750	0.28	0.04	0.077	0	I				1.48
7.833	0.30	0.04	0.078	0	I				1.51
7.917	0.31	0.04	0.080	0	I				1.53
8.000	0.31	0.04	0.082	0	I				1.56
8.083	0.34	0.04	0.084	0	I				1.58
8.167	0.35	0.04	0.086	0	I				1.61
8.250	0.35	0.04	0.088	0	I				1.65
8.333	0.35	0.05	0.090	0	I				1.68
8.417	0.35	0.05	0.092	0	I				1.71
8.500	0.35	0.05	0.095	0	I				1.74
8.583	0.37	0.05	0.097	0	I				1.77
8.667	0.38	0.05	0.099	0	I				1.80
8.750	0.38	0.05	0.101	0	I				1.83
8.833	0.39	0.05	0.104	0	I				1.86
8.917	0.40	0.05	0.106	0	I				1.90
9.000	0.40	0.05	0.108	0	I				1.93
9.083	0.43	0.05	0.111	0	I				1.97
9.167	0.45	0.05	0.114	0	I				2.01
9.250	0.45	0.05	0.116	0	I				2.04
9.333	0.46	0.05	0.119	0	I				2.07
9.417	0.47	0.05	0.122	0	I				2.11
9.500	0.47	0.05	0.125	0	I				2.14
9.583	0.49	0.05	0.128	0	I				2.18
9.667	0.50	0.05	0.131	0	I				2.21
9.750	0.50	0.05	0.134	0	I				2.25
9.833	0.51	0.05	0.137	0	I				2.29
9.917	0.52	0.05	0.140	0	I				2.33
10.000	0.52	0.05	0.143	0	I				2.37
10.083	0.41	0.05	0.146	0	I				2.40
10.167	0.35	0.05	0.148	0	I				2.43

10.250	0.35	0.05	0.150	0	I			2.45	
10.333	0.35	0.06	0.153	0	I			2.48	
10.417	0.35	0.06	0.155	0	I			2.50	
10.500	0.35	0.06	0.157	0	I			2.53	
10.583	0.43	0.06	0.159	0		I		2.55	
10.667	0.47	0.06	0.162	0		I		2.59	
10.750	0.47	0.06	0.165	0		I		2.62	
10.833	0.47	0.06	0.167	0		I		2.66	
10.917	0.47	0.06	0.170	0		I		2.69	
11.000	0.47	0.06	0.173	0		I		2.72	
11.083	0.46	0.06	0.176	0		I		2.76	
11.167	0.45	0.06	0.179	0		I		2.79	
11.250	0.45	0.06	0.181	0		I		2.82	
11.333	0.45	0.06	0.184	0		I		2.86	
11.417	0.45	0.06	0.187	0		I		2.89	
11.500	0.45	0.06	0.189	0		I		2.92	
11.583	0.42	0.06	0.192	0	I			2.95	
11.667	0.40	0.06	0.194	0	I			2.98	
11.750	0.40	0.06	0.197	0	I			3.01	
11.833	0.42	0.06	0.199	0	I			3.03	
11.917	0.42	0.06	0.201	0	I			3.06	
12.000	0.42	0.06	0.204	0	I			3.09	
12.083	0.53	0.06	0.207	0		I		3.13	
12.167	0.59	0.06	0.210	0			I	3.17	
12.250	0.59	0.06	0.214	0			I	3.21	
12.333	0.61	0.06	0.218	0			I	3.25	
12.417	0.61	0.06	0.221	0			I	3.29	
12.500	0.61	0.06	0.225	0			I	3.34	
12.583	0.64	0.06	0.229	0			I	3.38	
12.667	0.66	0.07	0.233	0			I	3.43	
12.750	0.66	0.07	0.237	0			I	3.48	
12.833	0.68	0.07	0.241	0			I	3.53	
12.917	0.68	0.07	0.246	0			I	3.58	
13.000	0.68	0.07	0.250	0			I	3.63	
13.083	0.76	0.07	0.254	0			I	3.68	
13.167	0.80	0.07	0.259	0				I	3.73
13.250	0.80	0.07	0.264	0				I	3.79
13.333	0.80	0.07	0.269	0				I	3.85
13.417	0.80	0.07	0.274	0				I	3.91
13.500	0.80	0.07	0.279	0				I	3.97
13.583	0.63	0.07	0.284	0			I		4.02
13.667	0.54	0.07	0.287	0		I			4.06
13.750	0.54	0.07	0.291	0		I			4.10
13.833	0.54	0.07	0.294	0		I			4.14
13.917	0.54	0.07	0.297	0		I			4.17
14.000	0.54	0.07	0.300	0		I			4.21
14.083	0.61	0.07	0.304	0			I		4.25
14.167	0.64	0.07	0.308	0			I		4.30
14.250	0.64	0.07	0.311	0			I		4.34
14.333	0.62	0.07	0.315	0			I		4.39

14.417	0.61	0.07	0.319	0		I	4.43
14.500	0.61	0.07	0.323	0		I	4.47
14.583	0.61	0.08	0.326	0		I	4.52
14.667	0.61	0.08	0.330	0		I	4.56
14.750	0.61	0.09	0.334	0		I	4.60
14.833	0.60	0.09	0.337	0		I	4.65
14.917	0.59	0.10	0.341	0		I	4.69
15.000	0.59	0.10	0.344	0		I	4.73
15.083	0.57	0.10	0.347	0		I	4.77
15.167	0.57	0.11	0.351	0		I	4.81
15.250	0.57	0.11	0.354	0		I	4.85
15.333	0.55	0.12	0.357	0		I	4.89
15.417	0.54	0.12	0.360	0		I	4.93
15.500	0.54	0.13	0.363	0		I	4.97
15.583	0.48	0.13	0.365	0	I		5.00
15.667	0.45	0.13	0.367	0	I		5.03
15.750	0.45	0.13	0.370	0	I		5.06
15.833	0.45	0.14	0.372	0	I		5.09
15.917	0.45	0.14	0.374	0	I		5.12
16.000	0.45	0.14	0.376	0	I		5.15
16.083	0.21	0.14	0.377	0	I		5.16
16.167	0.09	0.14	0.377	I 0			5.16
16.250	0.09	0.14	0.377	I 0			5.16
16.333	0.09	0.14	0.377	I 0			5.15
16.417	0.09	0.14	0.376	I 0			5.15
16.500	0.09	0.14	0.376	I 0			5.15
16.583	0.08	0.14	0.376	I 0			5.14
16.667	0.07	0.14	0.375	I 0			5.13
16.750	0.07	0.14	0.375	I 0			5.13
16.833	0.07	0.14	0.374	I 0			5.12
16.917	0.07	0.14	0.374	I 0			5.12
17.000	0.07	0.14	0.373	I 0			5.11
17.083	0.10	0.14	0.373	IO			5.10
17.167	0.12	0.14	0.373	IO			5.10
17.250	0.12	0.14	0.373	IO			5.10
17.333	0.12	0.14	0.372	IO			5.10
17.417	0.12	0.14	0.372	IO			5.10
17.500	0.12	0.14	0.372	IO			5.09
17.583	0.12	0.14	0.372	IO			5.09
17.667	0.12	0.14	0.372	IO			5.09
17.750	0.12	0.14	0.372	IO			5.09
17.833	0.10	0.14	0.372	IO			5.09
17.917	0.09	0.14	0.371	I 0			5.08
18.000	0.09	0.14	0.371	I 0			5.08
18.083	0.09	0.14	0.371	I 0			5.08
18.167	0.09	0.14	0.370	I 0			5.07
18.250	0.09	0.14	0.370	I 0			5.07
18.333	0.09	0.13	0.370	I 0			5.06
18.417	0.09	0.13	0.370	I 0			5.06
18.500	0.09	0.13	0.369	I 0			5.06

18.583	0.08	0.13	0.369	I 0					5.05
18.667	0.07	0.13	0.369	I 0					5.05
18.750	0.07	0.13	0.368	I 0					5.04
18.833	0.05	0.13	0.368	I 0					5.04
18.917	0.05	0.13	0.367	I 0					5.03
19.000	0.05	0.13	0.367	I 0					5.02
19.083	0.06	0.13	0.366	I 0					5.01
19.167	0.07	0.13	0.366	I 0					5.01
19.250	0.07	0.13	0.365	I 0					5.00
19.333	0.09	0.13	0.365	I 0					5.00
19.417	0.09	0.13	0.365	I 0					4.99
19.500	0.09	0.13	0.364	I 0					4.99
19.583	0.08	0.13	0.364	I 0					4.99
19.667	0.07	0.13	0.364	I 0					4.98
19.750	0.07	0.13	0.363	I 0					4.98
19.833	0.05	0.13	0.363	I 0					4.97
19.917	0.05	0.13	0.362	I 0					4.97
20.000	0.05	0.12	0.362	I 0					4.96
20.083	0.06	0.12	0.361	I 0					4.95
20.167	0.07	0.12	0.361	I 0					4.95
20.250	0.07	0.12	0.361	I 0					4.94
20.333	0.07	0.12	0.360	I 0					4.94
20.417	0.07	0.12	0.360	I 0					4.93
20.500	0.07	0.12	0.360	I 0					4.93
20.583	0.07	0.12	0.359	I 0					4.92
20.667	0.07	0.12	0.359	I 0					4.92
20.750	0.07	0.12	0.359	I 0					4.91
20.833	0.05	0.12	0.358	I 0					4.91
20.917	0.05	0.12	0.358	I 0					4.90
21.000	0.05	0.12	0.357	I 0					4.90
21.083	0.06	0.12	0.357	I 0					4.89
21.167	0.07	0.12	0.356	I 0					4.89
21.250	0.07	0.12	0.356	I 0					4.88
21.333	0.05	0.12	0.356	I 0					4.88
21.417	0.05	0.12	0.355	I 0					4.87
21.500	0.05	0.11	0.355	I 0					4.87
21.583	0.06	0.11	0.354	I 0					4.86
21.667	0.07	0.11	0.354	I 0					4.86
21.750	0.07	0.11	0.354	I 0					4.85
21.833	0.05	0.11	0.353	I 0					4.85
21.917	0.05	0.11	0.353	I 0					4.84
22.000	0.05	0.11	0.353	I 0					4.84
22.083	0.06	0.11	0.352	I 0					4.83
22.167	0.07	0.11	0.352	I 0					4.83
22.250	0.07	0.11	0.352	I 0					4.82
22.333	0.05	0.11	0.351	I 0					4.82
22.417	0.05	0.11	0.351	I 0					4.81
22.500	0.05	0.11	0.350	I 0					4.81
22.583	0.05	0.11	0.350	I 0					4.80
22.667	0.05	0.11	0.350	I 0					4.80

22.750	0.05	0.11	0.349	I	0					4.79
22.833	0.05	0.11	0.349	I	0					4.79
22.917	0.05	0.11	0.348	I	0					4.78
23.000	0.05	0.10	0.348	I	0					4.78
23.083	0.05	0.10	0.348	I	0					4.77
23.167	0.05	0.10	0.347	I	0					4.77
23.250	0.05	0.10	0.347	I	0					4.76
23.333	0.05	0.10	0.346	I	0					4.76
23.417	0.05	0.10	0.346	I	0					4.75
23.500	0.05	0.10	0.346	I	0					4.75
23.583	0.05	0.10	0.345	I	0					4.74
23.667	0.05	0.10	0.345	I	0					4.74
23.750	0.05	0.10	0.345	I	0					4.73
23.833	0.05	0.10	0.344	I	0					4.73
23.917	0.05	0.10	0.344	I	0					4.72
24.000	0.05	0.10	0.343	I	0					4.72
24.083	0.02	0.10	0.343	I	0					4.71
24.167	0.00	0.10	0.342	I	0					4.71
24.250	0.00	0.10	0.342	I	0					4.70
24.333	0.00	0.10	0.341	I	0					4.69
24.417	0.00	0.09	0.340	I	0					4.68
24.500	0.00	0.09	0.340	I	0					4.68
24.583	0.00	0.09	0.339	I	0					4.67
24.667	0.00	0.09	0.338	I	0					4.66
24.750	0.00	0.09	0.338	I	0					4.65
24.833	0.00	0.09	0.337	I	0					4.65
24.917	0.00	0.09	0.337	I	0					4.64
25.000	0.00	0.09	0.336	I	0					4.63
25.083	0.00	0.09	0.335	I	0					4.62
25.167	0.00	0.09	0.335	I	0					4.62
25.250	0.00	0.09	0.334	I	0					4.61
25.333	0.00	0.09	0.334	I	0					4.60
25.417	0.00	0.09	0.333	I	0					4.60
25.500	0.00	0.08	0.332	I	0					4.59
25.583	0.00	0.08	0.332	I	0					4.58
25.667	0.00	0.08	0.331	I	0					4.57
25.750	0.00	0.08	0.331	I	0					4.57
25.833	0.00	0.08	0.330	I	0					4.56
25.917	0.00	0.08	0.330	I	0					4.55
26.000	0.00	0.08	0.329	I	0					4.55
26.083	0.00	0.08	0.328	I	0					4.54
26.167	0.00	0.08	0.328	I	0					4.53
26.250	0.00	0.08	0.327	I	0					4.53
26.333	0.00	0.08	0.327	I	0					4.52
26.417	0.00	0.08	0.326	I	0					4.52
26.500	0.00	0.08	0.326	I	0					4.51
26.583	0.00	0.08	0.325	I	0					4.50
26.667	0.00	0.07	0.325	I	0					4.50
26.750	0.00	0.07	0.324	I	0					4.49
26.833	0.00	0.07	0.324	I	0					4.49

26.917	0.00	0.07	0.323	I 0					4.48
27.000	0.00	0.07	0.323	I 0					4.47
27.083	0.00	0.07	0.322	I 0					4.47
27.167	0.00	0.07	0.322	I 0					4.46
27.250	0.00	0.07	0.321	I 0					4.46
27.333	0.00	0.07	0.321	I 0					4.45
27.417	0.00	0.07	0.320	I 0					4.44
27.500	0.00	0.07	0.320	I 0					4.44
27.583	0.00	0.07	0.319	I 0					4.43
27.667	0.00	0.07	0.319	I 0					4.43
27.750	0.00	0.07	0.318	I 0					4.42
27.833	0.00	0.07	0.318	I 0					4.41
27.917	0.00	0.07	0.317	I 0					4.41
28.000	0.00	0.07	0.317	I 0					4.40
28.083	0.00	0.07	0.316	I 0					4.40
28.167	0.00	0.07	0.316	I 0					4.39
28.250	0.00	0.07	0.315	I 0					4.38
28.333	0.00	0.07	0.314	I 0					4.38
28.417	0.00	0.07	0.314	I 0					4.37
28.500	0.00	0.07	0.313	I 0					4.37
28.583	0.00	0.07	0.313	I 0					4.36
28.667	0.00	0.07	0.312	I 0					4.35
28.750	0.00	0.07	0.312	I 0					4.35
28.833	0.00	0.07	0.311	I 0					4.34
28.917	0.00	0.07	0.311	I 0					4.34
29.000	0.00	0.07	0.310	I 0					4.33
29.083	0.00	0.07	0.310	I 0					4.32
29.167	0.00	0.07	0.309	I 0					4.32
29.250	0.00	0.07	0.309	I 0					4.31
29.333	0.00	0.07	0.308	I 0					4.31
29.417	0.00	0.07	0.308	I 0					4.30
29.500	0.00	0.07	0.307	I 0					4.30
29.583	0.00	0.07	0.307	I 0					4.29
29.667	0.00	0.07	0.306	I 0					4.28
29.750	0.00	0.07	0.306	I 0					4.28
29.833	0.00	0.07	0.305	I 0					4.27
29.917	0.00	0.07	0.305	I 0					4.27
30.000	0.00	0.07	0.304	I 0					4.26
30.083	0.00	0.07	0.304	I 0					4.25
30.167	0.00	0.07	0.303	I 0					4.25
30.250	0.00	0.07	0.303	I 0					4.24
30.333	0.00	0.07	0.302	I 0					4.24
30.417	0.00	0.07	0.302	I 0					4.23
30.500	0.00	0.07	0.301	I 0					4.22
30.583	0.00	0.07	0.301	I 0					4.22
30.667	0.00	0.07	0.300	I 0					4.21
30.750	0.00	0.07	0.300	I 0					4.21
30.833	0.00	0.07	0.299	I 0					4.20
30.917	0.00	0.07	0.299	I 0					4.20
31.000	0.00	0.07	0.298	I 0					4.19

31.083	0.00	0.07	0.298	I 0					4.18
31.167	0.00	0.07	0.297	I 0					4.18
31.250	0.00	0.07	0.297	I 0					4.17
31.333	0.00	0.07	0.296	I 0					4.17
31.417	0.00	0.07	0.296	I 0					4.16
31.500	0.00	0.07	0.295	I 0					4.16
31.583	0.00	0.07	0.295	I 0					4.15
31.667	0.00	0.07	0.294	I 0					4.14
31.750	0.00	0.07	0.294	I 0					4.14
31.833	0.00	0.07	0.293	I 0					4.13
31.917	0.00	0.07	0.293	I 0					4.13
32.000	0.00	0.07	0.292	I 0					4.12
32.083	0.00	0.07	0.292	I 0					4.11
32.167	0.00	0.07	0.291	I 0					4.11
32.250	0.00	0.07	0.291	I 0					4.10
32.333	0.00	0.07	0.290	I 0					4.10
32.417	0.00	0.07	0.290	I 0					4.09
32.500	0.00	0.07	0.289	I 0					4.09
32.583	0.00	0.07	0.289	I 0					4.08
32.667	0.00	0.07	0.288	I 0					4.07
32.750	0.00	0.07	0.288	I 0					4.07
32.833	0.00	0.07	0.287	I 0					4.06
32.917	0.00	0.07	0.287	I 0					4.06
33.000	0.00	0.07	0.286	I 0					4.05
33.083	0.00	0.07	0.286	I 0					4.05
33.167	0.00	0.07	0.285	I 0					4.04
33.250	0.00	0.07	0.285	I 0					4.03
33.333	0.00	0.07	0.284	I 0					4.03
33.417	0.00	0.07	0.284	I 0					4.02
33.500	0.00	0.07	0.283	I 0					4.02
33.583	0.00	0.07	0.283	I 0					4.01
33.667	0.00	0.07	0.283	I 0					4.01
33.750	0.00	0.07	0.282	I 0					4.00
33.833	0.00	0.07	0.282	I 0					3.99
33.917	0.00	0.07	0.281	I 0					3.99
34.000	0.00	0.07	0.281	I 0					3.98
34.083	0.00	0.07	0.280	I 0					3.98
34.167	0.00	0.07	0.280	I 0					3.97
34.250	0.00	0.07	0.279	I 0					3.97
34.333	0.00	0.07	0.279	I 0					3.96
34.417	0.00	0.07	0.278	I 0					3.95
34.500	0.00	0.07	0.278	I 0					3.95
34.583	0.00	0.07	0.277	I 0					3.94
34.667	0.00	0.07	0.277	I 0					3.94
34.750	0.00	0.07	0.276	I 0					3.93
34.833	0.00	0.07	0.276	I 0					3.93
34.917	0.00	0.07	0.275	I 0					3.92
35.000	0.00	0.07	0.275	I 0					3.92
35.083	0.00	0.07	0.274	I 0					3.91
35.167	0.00	0.07	0.274	I 0					3.90

35.250	0.00	0.07	0.273	I 0					3.90
35.333	0.00	0.07	0.273	I 0					3.89
35.417	0.00	0.07	0.272	I 0					3.89
35.500	0.00	0.07	0.272	I 0					3.88
35.583	0.00	0.07	0.271	I 0					3.88
35.667	0.00	0.07	0.271	I 0					3.87
35.750	0.00	0.07	0.270	I 0					3.87
35.833	0.00	0.07	0.270	I 0					3.86
35.917	0.00	0.07	0.269	I 0					3.85
36.000	0.00	0.07	0.269	I 0					3.85
36.083	0.00	0.07	0.268	I 0					3.84
36.167	0.00	0.07	0.268	I 0					3.84
36.250	0.00	0.07	0.268	I 0					3.83
36.333	0.00	0.07	0.267	I 0					3.83
36.417	0.00	0.07	0.267	I 0					3.82
36.500	0.00	0.07	0.266	I 0					3.82
36.583	0.00	0.07	0.266	I 0					3.81
36.667	0.00	0.07	0.265	I 0					3.80
36.750	0.00	0.07	0.265	I 0					3.80
36.833	0.00	0.07	0.264	I 0					3.79
36.917	0.00	0.07	0.264	I 0					3.79
37.000	0.00	0.07	0.263	I 0					3.78
37.083	0.00	0.07	0.263	I 0					3.78
37.167	0.00	0.07	0.262	I 0					3.77
37.250	0.00	0.07	0.262	I 0					3.77
37.333	0.00	0.07	0.261	I 0					3.76
37.417	0.00	0.07	0.261	I 0					3.75
37.500	0.00	0.07	0.260	I 0					3.75
37.583	0.00	0.07	0.260	I 0					3.74
37.667	0.00	0.07	0.259	I 0					3.74
37.750	0.00	0.07	0.259	I 0					3.73
37.833	0.00	0.07	0.259	I 0					3.73
37.917	0.00	0.07	0.258	I 0					3.72
38.000	0.00	0.07	0.258	I 0					3.72
38.083	0.00	0.07	0.257	I 0					3.71
38.167	0.00	0.07	0.257	I 0					3.71
38.250	0.00	0.07	0.256	I 0					3.70
38.333	0.00	0.07	0.256	I 0					3.69
38.417	0.00	0.07	0.255	I 0					3.69
38.500	0.00	0.07	0.255	I 0					3.68
38.583	0.00	0.07	0.254	I 0					3.68
38.667	0.00	0.07	0.254	I 0					3.67
38.750	0.00	0.07	0.253	I 0					3.67
38.833	0.00	0.07	0.253	I 0					3.66
38.917	0.00	0.07	0.252	I 0					3.66
39.000	0.00	0.07	0.252	I 0					3.65
39.083	0.00	0.07	0.252	I 0					3.65
39.167	0.00	0.07	0.251	I 0					3.64
39.250	0.00	0.07	0.251	I 0					3.63
39.333	0.00	0.07	0.250	I 0					3.63

39.417	0.00	0.07	0.250	I 0					3.62
39.500	0.00	0.07	0.249	I 0					3.62
39.583	0.00	0.07	0.249	I 0					3.61
39.667	0.00	0.07	0.248	I 0					3.61
39.750	0.00	0.07	0.248	I 0					3.60
39.833	0.00	0.07	0.247	I 0					3.60
39.917	0.00	0.07	0.247	I 0					3.59
40.000	0.00	0.07	0.246	I 0					3.59
40.083	0.00	0.07	0.246	I 0					3.58
40.167	0.00	0.07	0.246	I 0					3.58
40.250	0.00	0.07	0.245	I 0					3.57
40.333	0.00	0.07	0.245	I 0					3.57
40.417	0.00	0.07	0.244	I 0					3.56
40.500	0.00	0.07	0.244	I 0					3.55
40.583	0.00	0.07	0.243	I 0					3.55
40.667	0.00	0.07	0.243	I 0					3.54
40.750	0.00	0.07	0.242	I 0					3.54
40.833	0.00	0.07	0.242	I 0					3.53
40.917	0.00	0.07	0.241	I 0					3.53
41.000	0.00	0.07	0.241	I 0					3.52
41.083	0.00	0.07	0.240	I 0					3.52
41.167	0.00	0.07	0.240	I 0					3.51
41.250	0.00	0.07	0.240	I 0					3.51
41.333	0.00	0.07	0.239	I 0					3.50
41.417	0.00	0.07	0.239	I 0					3.50
41.500	0.00	0.07	0.238	I 0					3.49
41.583	0.00	0.07	0.238	I 0					3.49
41.667	0.00	0.07	0.237	I 0					3.48
41.750	0.00	0.07	0.237	I 0					3.47
41.833	0.00	0.07	0.236	I 0					3.47
41.917	0.00	0.07	0.236	I 0					3.46
42.000	0.00	0.07	0.235	I 0					3.46
42.083	0.00	0.07	0.235	I 0					3.45
42.167	0.00	0.07	0.235	I 0					3.45
42.250	0.00	0.07	0.234	I 0					3.44
42.333	0.00	0.07	0.234	I 0					3.44
42.417	0.00	0.07	0.233	I 0					3.43
42.500	0.00	0.07	0.233	I 0					3.43
42.583	0.00	0.07	0.232	I 0					3.42
42.667	0.00	0.07	0.232	I 0					3.42
42.750	0.00	0.07	0.231	I 0					3.41
42.833	0.00	0.07	0.231	I 0					3.41
42.917	0.00	0.07	0.231	I 0					3.40
43.000	0.00	0.06	0.230	I 0					3.40
43.083	0.00	0.06	0.230	I 0					3.39
43.167	0.00	0.06	0.229	I 0					3.39
43.250	0.00	0.06	0.229	I 0					3.38
43.333	0.00	0.06	0.228	I 0					3.38
43.417	0.00	0.06	0.228	I 0					3.37
43.500	0.00	0.06	0.227	I 0					3.37

43.583	0.00	0.06	0.227	I 0					3.36
43.667	0.00	0.06	0.227	I 0					3.35
43.750	0.00	0.06	0.226	I 0					3.35
43.833	0.00	0.06	0.226	I 0					3.34
43.917	0.00	0.06	0.225	I 0					3.34
44.000	0.00	0.06	0.225	I 0					3.33
44.083	0.00	0.06	0.224	I 0					3.33
44.167	0.00	0.06	0.224	I 0					3.32
44.250	0.00	0.06	0.223	I 0					3.32
44.333	0.00	0.06	0.223	I 0					3.31
44.417	0.00	0.06	0.223	I 0					3.31
44.500	0.00	0.06	0.222	I 0					3.30
44.583	0.00	0.06	0.222	I 0					3.30
44.667	0.00	0.06	0.221	I 0					3.29
44.750	0.00	0.06	0.221	I 0					3.29
44.833	0.00	0.06	0.220	I 0					3.28
44.917	0.00	0.06	0.220	I 0					3.28
45.000	0.00	0.06	0.219	I 0					3.27
45.083	0.00	0.06	0.219	I 0					3.27
45.167	0.00	0.06	0.219	I 0					3.26
45.250	0.00	0.06	0.218	I 0					3.26
45.333	0.00	0.06	0.218	I 0					3.25
45.417	0.00	0.06	0.217	I 0					3.25
45.500	0.00	0.06	0.217	I 0					3.24
45.583	0.00	0.06	0.216	I 0					3.24
45.667	0.00	0.06	0.216	I 0					3.23
45.750	0.00	0.06	0.216	I 0					3.23
45.833	0.00	0.06	0.215	I 0					3.22
45.917	0.00	0.06	0.215	I 0					3.22
46.000	0.00	0.06	0.214	I 0					3.21
46.083	0.00	0.06	0.214	I 0					3.21
46.167	0.00	0.06	0.213	I 0					3.20
46.250	0.00	0.06	0.213	I 0					3.20
46.333	0.00	0.06	0.212	I 0					3.19
46.417	0.00	0.06	0.212	I 0					3.19
46.500	0.00	0.06	0.212	I 0					3.18
46.583	0.00	0.06	0.211	I 0					3.18
46.667	0.00	0.06	0.211	I 0					3.17
46.750	0.00	0.06	0.210	I 0					3.17
46.833	0.00	0.06	0.210	I 0					3.16
46.917	0.00	0.06	0.209	I 0					3.16
47.000	0.00	0.06	0.209	I 0					3.15
47.083	0.00	0.06	0.209	I 0					3.15
47.167	0.00	0.06	0.208	I 0					3.14
47.250	0.00	0.06	0.208	I 0					3.14
47.333	0.00	0.06	0.207	I 0					3.13
47.417	0.00	0.06	0.207	I 0					3.13
47.500	0.00	0.06	0.206	I 0					3.12
47.583	0.00	0.06	0.206	I 0					3.12
47.667	0.00	0.06	0.206	I 0					3.11

47.750	0.00	0.06	0.205	I 0					3.11
47.833	0.00	0.06	0.205	I 0					3.10
47.917	0.00	0.06	0.204	I 0					3.10
48.000	0.00	0.06	0.204	I 0					3.09
48.083	0.00	0.06	0.203	I 0					3.09
48.167	0.00	0.06	0.203	I 0					3.08
48.250	0.00	0.06	0.203	I 0					3.08
48.333	0.00	0.06	0.202	I 0					3.07
48.417	0.00	0.06	0.202	I 0					3.07
48.500	0.00	0.06	0.201	I 0					3.06
48.583	0.00	0.06	0.201	I 0					3.06
48.667	0.00	0.06	0.200	I 0					3.05
48.750	0.00	0.06	0.200	I 0					3.05
48.833	0.00	0.06	0.200	I 0					3.04
48.917	0.00	0.06	0.199	I 0					3.04
49.000	0.00	0.06	0.199	I 0					3.03
49.083	0.00	0.06	0.198	I 0					3.03
49.167	0.00	0.06	0.198	I 0					3.02
49.250	0.00	0.06	0.198	I 0					3.02
49.333	0.00	0.06	0.197	I 0					3.01
49.417	0.00	0.06	0.197	I 0					3.01
49.500	0.00	0.06	0.196	I 0					3.00
49.583	0.00	0.06	0.196	I 0					3.00
49.667	0.00	0.06	0.195	I 0					2.99
49.750	0.00	0.06	0.195	I 0					2.99
49.833	0.00	0.06	0.195	I 0					2.98
49.917	0.00	0.06	0.194	I 0					2.98
50.000	0.00	0.06	0.194	I 0					2.97
50.083	0.00	0.06	0.193	I 0					2.97
50.167	0.00	0.06	0.193	I 0					2.96
50.250	0.00	0.06	0.192	I 0					2.96
50.333	0.00	0.06	0.192	I 0					2.95
50.417	0.00	0.06	0.192	I 0					2.95
50.500	0.00	0.06	0.191	I 0					2.94
50.583	0.00	0.06	0.191	I 0					2.94
50.667	0.00	0.06	0.190	I 0					2.93
50.750	0.00	0.06	0.190	I 0					2.93
50.833	0.00	0.06	0.190	I 0					2.92
50.917	0.00	0.06	0.189	I 0					2.92
51.000	0.00	0.06	0.189	I 0					2.91
51.083	0.00	0.06	0.188	I 0					2.91
51.167	0.00	0.06	0.188	I 0					2.90
51.250	0.00	0.06	0.188	I 0					2.90
51.333	0.00	0.06	0.187	I 0					2.89
51.417	0.00	0.06	0.187	I 0					2.89
51.500	0.00	0.06	0.186	I 0					2.88
51.583	0.00	0.06	0.186	I 0					2.88
51.667	0.00	0.06	0.185	I 0					2.87
51.750	0.00	0.06	0.185	I 0					2.87
51.833	0.00	0.06	0.185	I 0					2.86

51.917	0.00	0.06	0.184	I 0					2.86
52.000	0.00	0.06	0.184	I 0					2.85
52.083	0.00	0.06	0.183	I 0					2.85
52.167	0.00	0.06	0.183	I 0					2.84
52.250	0.00	0.06	0.183	I 0					2.84
52.333	0.00	0.06	0.182	I 0					2.83
52.417	0.00	0.06	0.182	I 0					2.83
52.500	0.00	0.06	0.181	I 0					2.82
52.583	0.00	0.06	0.181	I 0					2.82
52.667	0.00	0.06	0.181	I 0					2.81
52.750	0.00	0.06	0.180	I 0					2.81
52.833	0.00	0.06	0.180	I 0					2.80
52.917	0.00	0.06	0.179	I 0					2.80
53.000	0.00	0.06	0.179	I 0					2.79
53.083	0.00	0.06	0.179	I 0					2.79
53.167	0.00	0.06	0.178	I 0					2.78
53.250	0.00	0.06	0.178	I 0					2.78
53.333	0.00	0.06	0.177	I 0					2.77
53.417	0.00	0.06	0.177	I 0					2.77
53.500	0.00	0.06	0.177	I 0					2.77
53.583	0.00	0.06	0.176	I 0					2.76
53.667	0.00	0.06	0.176	I 0					2.76
53.750	0.00	0.06	0.175	I 0					2.75
53.833	0.00	0.06	0.175	I 0					2.75
53.917	0.00	0.06	0.175	I 0					2.74
54.000	0.00	0.06	0.174	I 0					2.74
54.083	0.00	0.06	0.174	I 0					2.73
54.167	0.00	0.06	0.173	I 0					2.73
54.250	0.00	0.06	0.173	I 0					2.72
54.333	0.00	0.06	0.173	I 0					2.72
54.417	0.00	0.06	0.172	I 0					2.71
54.500	0.00	0.06	0.172	I 0					2.71
54.583	0.00	0.06	0.171	I 0					2.70
54.667	0.00	0.06	0.171	I 0					2.70
54.750	0.00	0.06	0.171	I 0					2.69
54.833	0.00	0.06	0.170	I 0					2.69
54.917	0.00	0.06	0.170	I 0					2.68
55.000	0.00	0.06	0.169	I 0					2.68
55.083	0.00	0.06	0.169	I 0					2.67
55.167	0.00	0.06	0.169	I 0					2.67
55.250	0.00	0.06	0.168	I 0					2.66
55.333	0.00	0.06	0.168	I 0					2.66
55.417	0.00	0.06	0.167	I 0					2.65
55.500	0.00	0.06	0.167	I 0					2.65
55.583	0.00	0.06	0.167	I 0					2.65
55.667	0.00	0.06	0.166	I 0					2.64
55.750	0.00	0.06	0.166	I 0					2.64
55.833	0.00	0.06	0.165	I 0					2.63
55.917	0.00	0.06	0.165	I 0					2.63
56.000	0.00	0.06	0.165	I 0					2.62

56.083	0.00	0.06	0.164	I 0					2.62
56.167	0.00	0.06	0.164	I 0					2.61
56.250	0.00	0.06	0.163	I 0					2.61
56.333	0.00	0.06	0.163	I 0					2.60
56.417	0.00	0.06	0.163	I 0					2.60
56.500	0.00	0.06	0.162	I 0					2.59
56.583	0.00	0.06	0.162	I 0					2.59
56.667	0.00	0.06	0.161	I 0					2.58
56.750	0.00	0.06	0.161	I 0					2.58
56.833	0.00	0.06	0.161	I 0					2.57
56.917	0.00	0.06	0.160	I 0					2.57
57.000	0.00	0.06	0.160	I 0					2.57
57.083	0.00	0.06	0.160	I 0					2.56
57.167	0.00	0.06	0.159	I 0					2.56
57.250	0.00	0.06	0.159	I 0					2.55
57.333	0.00	0.06	0.158	I 0					2.55
57.417	0.00	0.06	0.158	I 0					2.54
57.500	0.00	0.06	0.158	I 0					2.54
57.583	0.00	0.06	0.157	I 0					2.53
57.667	0.00	0.06	0.157	I 0					2.53
57.750	0.00	0.06	0.156	I 0					2.52
57.833	0.00	0.06	0.156	I 0					2.52
57.917	0.00	0.06	0.156	I 0					2.51
58.000	0.00	0.06	0.155	I 0					2.51
58.083	0.00	0.06	0.155	I 0					2.51
58.167	0.00	0.06	0.155	I 0					2.50
58.250	0.00	0.06	0.154	I 0					2.50
58.333	0.00	0.06	0.154	I 0					2.49
58.417	0.00	0.06	0.153	I 0					2.49
58.500	0.00	0.06	0.153	I 0					2.48
58.583	0.00	0.06	0.153	I 0					2.48
58.667	0.00	0.06	0.152	I 0					2.47
58.750	0.00	0.06	0.152	I 0					2.47
58.833	0.00	0.06	0.152	I 0					2.46
58.917	0.00	0.06	0.151	I 0					2.46
59.000	0.00	0.06	0.151	I 0					2.45
59.083	0.00	0.05	0.150	I 0					2.45
59.167	0.00	0.05	0.150	I 0					2.45
59.250	0.00	0.05	0.150	I 0					2.44
59.333	0.00	0.05	0.149	I 0					2.44
59.417	0.00	0.05	0.149	I 0					2.43
59.500	0.00	0.05	0.148	I 0					2.43
59.583	0.00	0.05	0.148	I 0					2.42
59.667	0.00	0.05	0.148	I 0					2.42
59.750	0.00	0.05	0.147	I 0					2.41
59.833	0.00	0.05	0.147	I 0					2.41
59.917	0.00	0.05	0.147	I 0					2.40
60.000	0.00	0.05	0.146	I 0					2.40
60.083	0.00	0.05	0.146	I 0					2.40
60.167	0.00	0.05	0.145	I 0					2.39

60.250	0.00	0.05	0.145	I 0					2.39
60.333	0.00	0.05	0.145	I 0					2.38
60.417	0.00	0.05	0.144	I 0					2.38
60.500	0.00	0.05	0.144	I 0					2.37
60.583	0.00	0.05	0.144	I 0					2.37
60.667	0.00	0.05	0.143	I 0					2.36
60.750	0.00	0.05	0.143	I 0					2.36
60.833	0.00	0.05	0.142	I 0					2.36
60.917	0.00	0.05	0.142	I 0					2.35
61.000	0.00	0.05	0.142	I 0					2.35
61.083	0.00	0.05	0.141	I 0					2.34
61.167	0.00	0.05	0.141	I 0					2.34
61.250	0.00	0.05	0.141	I 0					2.33
61.333	0.00	0.05	0.140	I 0					2.33
61.417	0.00	0.05	0.140	I 0					2.32
61.500	0.00	0.05	0.140	I 0					2.32
61.583	0.00	0.05	0.139	I 0					2.32
61.667	0.00	0.05	0.139	I 0					2.31
61.750	0.00	0.05	0.138	I 0					2.31
61.833	0.00	0.05	0.138	I 0					2.30
61.917	0.00	0.05	0.138	I 0					2.30
62.000	0.00	0.05	0.137	I 0					2.29
62.083	0.00	0.05	0.137	I 0					2.29
62.167	0.00	0.05	0.137	I 0					2.28
62.250	0.00	0.05	0.136	I 0					2.28
62.333	0.00	0.05	0.136	I 0					2.28
62.417	0.00	0.05	0.136	I 0					2.27
62.500	0.00	0.05	0.135	I 0					2.27
62.583	0.00	0.05	0.135	I 0					2.26
62.667	0.00	0.05	0.134	I 0					2.26
62.750	0.00	0.05	0.134	I 0					2.25
62.833	0.00	0.05	0.134	I 0					2.25
62.917	0.00	0.05	0.133	I 0					2.24
63.000	0.00	0.05	0.133	I 0					2.24
63.083	0.00	0.05	0.133	I 0					2.24
63.167	0.00	0.05	0.132	I 0					2.23
63.250	0.00	0.05	0.132	I 0					2.23
63.333	0.00	0.05	0.132	I 0					2.22
63.417	0.00	0.05	0.131	I 0					2.22
63.500	0.00	0.05	0.131	I 0					2.21
63.583	0.00	0.05	0.130	I 0					2.21
63.667	0.00	0.05	0.130	I 0					2.21
63.750	0.00	0.05	0.130	I 0					2.20
63.833	0.00	0.05	0.129	I 0					2.20
63.917	0.00	0.05	0.129	I 0					2.19
64.000	0.00	0.05	0.129	I 0					2.19
64.083	0.00	0.05	0.128	I 0					2.18
64.167	0.00	0.05	0.128	I 0					2.18
64.250	0.00	0.05	0.128	I 0					2.18
64.333	0.00	0.05	0.127	I 0					2.17

64.417	0.00	0.05	0.127	I 0					2.17
64.500	0.00	0.05	0.126	I 0					2.16
64.583	0.00	0.05	0.126	I 0					2.16
64.667	0.00	0.05	0.126	I 0					2.15
64.750	0.00	0.05	0.125	I 0					2.15
64.833	0.00	0.05	0.125	I 0					2.15
64.917	0.00	0.05	0.125	I 0					2.14
65.000	0.00	0.05	0.124	I 0					2.14
65.083	0.00	0.05	0.124	I 0					2.13
65.167	0.00	0.05	0.124	I 0					2.13
65.250	0.00	0.05	0.123	I 0					2.12
65.333	0.00	0.05	0.123	I 0					2.12
65.417	0.00	0.05	0.123	I 0					2.12
65.500	0.00	0.05	0.122	I 0					2.11
65.583	0.00	0.05	0.122	I 0					2.11
65.667	0.00	0.05	0.122	I 0					2.10
65.750	0.00	0.05	0.121	I 0					2.10
65.833	0.00	0.05	0.121	I 0					2.09
65.917	0.00	0.05	0.120	I 0					2.09
66.000	0.00	0.05	0.120	I 0					2.09
66.083	0.00	0.05	0.120	I 0					2.08
66.167	0.00	0.05	0.119	I 0					2.08
66.250	0.00	0.05	0.119	I 0					2.07
66.333	0.00	0.05	0.119	I 0					2.07
66.417	0.00	0.05	0.118	I 0					2.06
66.500	0.00	0.05	0.118	I 0					2.06
66.583	0.00	0.05	0.118	I 0					2.06
66.667	0.00	0.05	0.117	I 0					2.05
66.750	0.00	0.05	0.117	I 0					2.05
66.833	0.00	0.05	0.117	I 0					2.04
66.917	0.00	0.05	0.116	I 0					2.04
67.000	0.00	0.05	0.116	I 0					2.04
67.083	0.00	0.05	0.116	I 0					2.03
67.167	0.00	0.05	0.115	I 0					2.03
67.250	0.00	0.05	0.115	I 0					2.02
67.333	0.00	0.05	0.115	I 0					2.02
67.417	0.00	0.05	0.114	I 0					2.01
67.500	0.00	0.05	0.114	I 0					2.01
67.583	0.00	0.05	0.114	IO					2.01
67.667	0.00	0.05	0.113	IO					2.00
67.750	0.00	0.05	0.113	IO					2.00
67.833	0.00	0.05	0.112	IO					1.99
67.917	0.00	0.05	0.112	IO					1.99
68.000	0.00	0.05	0.112	IO					1.98
68.083	0.00	0.05	0.111	IO					1.98
68.167	0.00	0.05	0.111	IO					1.97
68.250	0.00	0.05	0.111	IO					1.97
68.333	0.00	0.05	0.110	IO					1.96
68.417	0.00	0.05	0.110	IO					1.96
68.500	0.00	0.05	0.110	IO					1.95

68.583	0.00	0.05	0.109	IO					1.95
68.667	0.00	0.05	0.109	IO					1.94
68.750	0.00	0.05	0.109	IO					1.94
68.833	0.00	0.05	0.108	IO					1.93
68.917	0.00	0.05	0.108	IO					1.93
69.000	0.00	0.05	0.108	IO					1.92
69.083	0.00	0.05	0.107	IO					1.92
69.167	0.00	0.05	0.107	IO					1.91
69.250	0.00	0.05	0.107	IO					1.91
69.333	0.00	0.05	0.106	IO					1.91
69.417	0.00	0.05	0.106	IO					1.90
69.500	0.00	0.05	0.106	IO					1.90
69.583	0.00	0.05	0.105	IO					1.89
69.667	0.00	0.05	0.105	IO					1.89
69.750	0.00	0.05	0.105	IO					1.88
69.833	0.00	0.05	0.104	IO					1.88
69.917	0.00	0.05	0.104	IO					1.87
70.000	0.00	0.05	0.104	IO					1.87
70.083	0.00	0.05	0.103	IO					1.86
70.167	0.00	0.05	0.103	IO					1.86
70.250	0.00	0.05	0.103	IO					1.85
70.333	0.00	0.05	0.102	IO					1.85
70.417	0.00	0.05	0.102	IO					1.84
70.500	0.00	0.05	0.102	IO					1.84
70.583	0.00	0.05	0.101	IO					1.83
70.667	0.00	0.05	0.101	IO					1.83
70.750	0.00	0.05	0.101	IO					1.83
70.833	0.00	0.05	0.100	IO					1.82
70.917	0.00	0.05	0.100	IO					1.82
71.000	0.00	0.05	0.100	IO					1.81
71.083	0.00	0.05	0.099	IO					1.81
71.167	0.00	0.05	0.099	IO					1.80
71.250	0.00	0.05	0.099	IO					1.80
71.333	0.00	0.05	0.098	IO					1.79
71.417	0.00	0.05	0.098	IO					1.79
71.500	0.00	0.05	0.098	IO					1.78
71.583	0.00	0.05	0.098	IO					1.78
71.667	0.00	0.05	0.097	IO					1.77
71.750	0.00	0.05	0.097	IO					1.77
71.833	0.00	0.05	0.097	IO					1.77
71.917	0.00	0.05	0.096	IO					1.76
72.000	0.00	0.05	0.096	IO					1.76
72.083	0.00	0.05	0.096	IO					1.75
72.167	0.00	0.05	0.095	IO					1.75
72.250	0.00	0.05	0.095	IO					1.74
72.333	0.00	0.05	0.095	IO					1.74
72.417	0.00	0.05	0.094	IO					1.73
72.500	0.00	0.05	0.094	IO					1.73
72.583	0.00	0.05	0.094	IO					1.72
72.667	0.00	0.05	0.093	IO					1.72

72.750	0.00	0.05	0.093	IO					1.72
72.833	0.00	0.05	0.093	IO					1.71
72.917	0.00	0.05	0.092	IO					1.71
73.000	0.00	0.05	0.092	IO					1.70
73.083	0.00	0.05	0.092	IO					1.70
73.167	0.00	0.05	0.091	IO					1.69
73.250	0.00	0.05	0.091	IO					1.69
73.333	0.00	0.05	0.091	IO					1.68
73.417	0.00	0.05	0.091	IO					1.68
73.500	0.00	0.05	0.090	IO					1.67
73.583	0.00	0.05	0.090	IO					1.67
73.667	0.00	0.04	0.090	IO					1.67
73.750	0.00	0.04	0.089	IO					1.66
73.833	0.00	0.04	0.089	IO					1.66
73.917	0.00	0.04	0.089	IO					1.65
74.000	0.00	0.04	0.088	IO					1.65
74.083	0.00	0.04	0.088	IO					1.64
74.167	0.00	0.04	0.088	IO					1.64
74.250	0.00	0.04	0.087	IO					1.64
74.333	0.00	0.04	0.087	IO					1.63
74.417	0.00	0.04	0.087	IO					1.63
74.500	0.00	0.04	0.087	IO					1.62
74.583	0.00	0.04	0.086	IO					1.62
74.667	0.00	0.04	0.086	IO					1.61
74.750	0.00	0.04	0.086	IO					1.61
74.833	0.00	0.04	0.085	IO					1.60
74.917	0.00	0.04	0.085	IO					1.60
75.000	0.00	0.04	0.085	IO					1.60
75.083	0.00	0.04	0.084	IO					1.59
75.167	0.00	0.04	0.084	IO					1.59
75.250	0.00	0.04	0.084	IO					1.58
75.333	0.00	0.04	0.084	IO					1.58
75.417	0.00	0.04	0.083	IO					1.57
75.500	0.00	0.04	0.083	IO					1.57
75.583	0.00	0.04	0.083	IO					1.57
75.667	0.00	0.04	0.082	IO					1.56
75.750	0.00	0.04	0.082	IO					1.56
75.833	0.00	0.04	0.082	IO					1.55
75.917	0.00	0.04	0.081	IO					1.55
76.000	0.00	0.04	0.081	IO					1.54
76.083	0.00	0.04	0.081	IO					1.54
76.167	0.00	0.04	0.081	IO					1.54
76.250	0.00	0.04	0.080	IO					1.53
76.333	0.00	0.04	0.080	IO					1.53
76.417	0.00	0.04	0.080	IO					1.52
76.500	0.00	0.04	0.079	IO					1.52
76.583	0.00	0.04	0.079	IO					1.52
76.667	0.00	0.04	0.079	IO					1.51
76.750	0.00	0.04	0.078	IO					1.51
76.833	0.00	0.04	0.078	IO					1.50

76.917	0.00	0.04	0.078	IO					1.50
77.000	0.00	0.04	0.078	IO					1.49
77.083	0.00	0.04	0.077	IO					1.49
77.167	0.00	0.04	0.077	IO					1.49
77.250	0.00	0.04	0.077	IO					1.48
77.333	0.00	0.04	0.076	IO					1.48
77.417	0.00	0.04	0.076	IO					1.47
77.500	0.00	0.04	0.076	IO					1.47
77.583	0.00	0.04	0.076	IO					1.47
77.667	0.00	0.04	0.075	IO					1.46
77.750	0.00	0.04	0.075	IO					1.46
77.833	0.00	0.04	0.075	IO					1.45
77.917	0.00	0.04	0.074	IO					1.45
78.000	0.00	0.04	0.074	IO					1.44
78.083	0.00	0.04	0.074	IO					1.44
78.167	0.00	0.04	0.074	IO					1.44
78.250	0.00	0.04	0.073	IO					1.43
78.333	0.00	0.04	0.073	IO					1.43
78.417	0.00	0.04	0.073	IO					1.42
78.500	0.00	0.04	0.072	IO					1.42
78.583	0.00	0.04	0.072	IO					1.42
78.667	0.00	0.04	0.072	IO					1.41
78.750	0.00	0.04	0.072	IO					1.41
78.833	0.00	0.04	0.071	IO					1.40
78.917	0.00	0.04	0.071	IO					1.40
79.000	0.00	0.04	0.071	IO					1.40
79.083	0.00	0.04	0.070	IO					1.39
79.167	0.00	0.04	0.070	IO					1.39
79.250	0.00	0.04	0.070	IO					1.38
79.333	0.00	0.04	0.070	IO					1.38
79.417	0.00	0.04	0.069	IO					1.38
79.500	0.00	0.04	0.069	IO					1.37
79.583	0.00	0.04	0.069	IO					1.37
79.667	0.00	0.04	0.068	IO					1.36
79.750	0.00	0.04	0.068	IO					1.36
79.833	0.00	0.04	0.068	IO					1.36
79.917	0.00	0.04	0.068	IO					1.35
80.000	0.00	0.04	0.067	IO					1.35
80.083	0.00	0.04	0.067	IO					1.34
80.167	0.00	0.04	0.067	IO					1.34
80.250	0.00	0.04	0.067	IO					1.34
80.333	0.00	0.04	0.066	IO					1.33
80.417	0.00	0.04	0.066	IO					1.33
80.500	0.00	0.04	0.066	IO					1.32
80.583	0.00	0.04	0.065	IO					1.32
80.667	0.00	0.04	0.065	IO					1.32
80.750	0.00	0.04	0.065	IO					1.31
80.833	0.00	0.04	0.065	IO					1.31
80.917	0.00	0.04	0.064	IO					1.30
81.000	0.00	0.04	0.064	IO					1.30

81.083	0.00	0.04	0.064	IO					1.30
81.167	0.00	0.04	0.064	IO					1.29
81.250	0.00	0.04	0.063	IO					1.29
81.333	0.00	0.04	0.063	IO					1.29
81.417	0.00	0.04	0.063	IO					1.28
81.500	0.00	0.04	0.062	IO					1.28
81.583	0.00	0.04	0.062	IO					1.27
81.667	0.00	0.04	0.062	IO					1.27
81.750	0.00	0.04	0.062	IO					1.27
81.833	0.00	0.04	0.061	IO					1.26
81.917	0.00	0.04	0.061	IO					1.26
82.000	0.00	0.04	0.061	IO					1.25
82.083	0.00	0.04	0.061	IO					1.25
82.167	0.00	0.04	0.060	IO					1.25
82.250	0.00	0.04	0.060	IO					1.24
82.333	0.00	0.04	0.060	IO					1.24
82.417	0.00	0.04	0.059	IO					1.24
82.500	0.00	0.04	0.059	IO					1.23
82.583	0.00	0.04	0.059	IO					1.23
82.667	0.00	0.04	0.059	IO					1.22
82.750	0.00	0.04	0.058	IO					1.22
82.833	0.00	0.04	0.058	IO					1.22
82.917	0.00	0.04	0.058	IO					1.21
83.000	0.00	0.04	0.058	IO					1.21
83.083	0.00	0.04	0.057	IO					1.21
83.167	0.00	0.04	0.057	IO					1.20
83.250	0.00	0.04	0.057	IO					1.20
83.333	0.00	0.04	0.057	IO					1.19
83.417	0.00	0.04	0.056	IO					1.19
83.500	0.00	0.04	0.056	IO					1.19
83.583	0.00	0.04	0.056	IO					1.18
83.667	0.00	0.04	0.056	IO					1.18
83.750	0.00	0.04	0.055	IO					1.18
83.833	0.00	0.04	0.055	IO					1.17
83.917	0.00	0.04	0.055	IO					1.17
84.000	0.00	0.04	0.055	IO					1.16
84.083	0.00	0.04	0.054	IO					1.16
84.167	0.00	0.04	0.054	IO					1.16
84.250	0.00	0.04	0.054	IO					1.15
84.333	0.00	0.04	0.053	IO					1.15
84.417	0.00	0.04	0.053	IO					1.15
84.500	0.00	0.04	0.053	IO					1.14
84.583	0.00	0.04	0.053	IO					1.14
84.667	0.00	0.04	0.052	IO					1.14
84.750	0.00	0.04	0.052	IO					1.13
84.833	0.00	0.04	0.052	IO					1.13
84.917	0.00	0.04	0.052	IO					1.12
85.000	0.00	0.04	0.051	IO					1.12
85.083	0.00	0.04	0.051	IO					1.12
85.167	0.00	0.04	0.051	IO					1.11

85.250	0.00	0.04	0.051	IO					1.11
85.333	0.00	0.04	0.050	IO					1.11
85.417	0.00	0.04	0.050	IO					1.10
85.500	0.00	0.04	0.050	IO					1.10
85.583	0.00	0.04	0.050	IO					1.10
85.667	0.00	0.04	0.049	IO					1.09
85.750	0.00	0.04	0.049	IO					1.09
85.833	0.00	0.04	0.049	IO					1.08
85.917	0.00	0.04	0.049	IO					1.08
86.000	0.00	0.04	0.048	IO					1.08
86.083	0.00	0.04	0.048	IO					1.07
86.167	0.00	0.04	0.048	IO					1.07
86.250	0.00	0.04	0.048	IO					1.07
86.333	0.00	0.04	0.047	IO					1.06
86.417	0.00	0.04	0.047	IO					1.06
86.500	0.00	0.04	0.047	IO					1.06
86.583	0.00	0.04	0.047	IO					1.05
86.667	0.00	0.04	0.046	IO					1.05
86.750	0.00	0.04	0.046	IO					1.05
86.833	0.00	0.04	0.046	IO					1.04
86.917	0.00	0.04	0.046	IO					1.04
87.000	0.00	0.04	0.045	IO					1.04
87.083	0.00	0.04	0.045	IO					1.03
87.167	0.00	0.04	0.045	IO					1.03
87.250	0.00	0.04	0.045	IO					1.02
87.333	0.00	0.04	0.044	IO					1.02
87.417	0.00	0.04	0.044	IO					1.02
87.500	0.00	0.04	0.044	IO					1.01
87.583	0.00	0.04	0.044	IO					1.01
87.667	0.00	0.04	0.044	IO					1.01
87.750	0.00	0.04	0.043	IO					1.00
87.833	0.00	0.04	0.043	IO					1.00
87.917	0.00	0.03	0.043	IO					1.00
88.000	0.00	0.03	0.043	IO					0.99
88.083	0.00	0.03	0.042	IO					0.99
88.167	0.00	0.03	0.042	IO					0.98
88.250	0.00	0.03	0.042	IO					0.97
88.333	0.00	0.03	0.042	IO					0.97
88.417	0.00	0.03	0.041	IO					0.96
88.500	0.00	0.03	0.041	IO					0.96
88.583	0.00	0.03	0.041	IO					0.95
88.667	0.00	0.03	0.041	IO					0.95
88.750	0.00	0.03	0.040	IO					0.94
88.833	0.00	0.03	0.040	IO					0.94
88.917	0.00	0.03	0.040	IO					0.93
89.000	0.00	0.03	0.040	IO					0.93
89.083	0.00	0.03	0.040	IO					0.92
89.167	0.00	0.03	0.039	IO					0.92
89.250	0.00	0.03	0.039	IO					0.91
89.333	0.00	0.03	0.039	IO					0.91

89.417	0.00	0.03	0.039	IO					0.90
89.500	0.00	0.03	0.038	IO					0.90
89.583	0.00	0.03	0.038	IO					0.89
89.667	0.00	0.03	0.038	IO					0.89
89.750	0.00	0.03	0.038	IO					0.89
89.833	0.00	0.03	0.038	IO					0.88
89.917	0.00	0.03	0.037	IO					0.88
90.000	0.00	0.03	0.037	IO					0.87
90.083	0.00	0.03	0.037	IO					0.87
90.167	0.00	0.03	0.037	IO					0.86
90.250	0.00	0.03	0.036	IO					0.86
90.333	0.00	0.03	0.036	IO					0.85
90.417	0.00	0.03	0.036	IO					0.85
90.500	0.00	0.03	0.036	IO					0.84
90.583	0.00	0.03	0.036	IO					0.84
90.667	0.00	0.03	0.035	IO					0.83
90.750	0.00	0.03	0.035	IO					0.83
90.833	0.00	0.03	0.035	IO					0.82
90.917	0.00	0.03	0.035	IO					0.82
91.000	0.00	0.03	0.035	IO					0.82
91.083	0.00	0.03	0.034	IO					0.81
91.167	0.00	0.03	0.034	IO					0.81
91.250	0.00	0.03	0.034	IO					0.80
91.333	0.00	0.03	0.034	IO					0.80
91.417	0.00	0.03	0.034	IO					0.79
91.500	0.00	0.03	0.033	IO					0.79
91.583	0.00	0.03	0.033	IO					0.79
91.667	0.00	0.03	0.033	IO					0.78
91.750	0.00	0.03	0.033	IO					0.78
91.833	0.00	0.03	0.033	IO					0.77
91.917	0.00	0.03	0.032	IO					0.77
92.000	0.00	0.03	0.032	IO					0.76
92.083	0.00	0.03	0.032	IO					0.76
92.167	0.00	0.03	0.032	IO					0.76
92.250	0.00	0.03	0.032	IO					0.75
92.333	0.00	0.03	0.031	IO					0.75
92.417	0.00	0.03	0.031	IO					0.74
92.500	0.00	0.03	0.031	IO					0.74
92.583	0.00	0.03	0.031	IO					0.73
92.667	0.00	0.03	0.031	IO					0.73
92.750	0.00	0.03	0.031	IO					0.73
92.833	0.00	0.03	0.030	IO					0.72
92.917	0.00	0.03	0.030	IO					0.72
93.000	0.00	0.03	0.030	IO					0.71
93.083	0.00	0.03	0.030	IO					0.71
93.167	0.00	0.03	0.030	IO					0.71
93.250	0.00	0.03	0.029	IO					0.70
93.333	0.00	0.03	0.029	IO					0.70
93.417	0.00	0.03	0.029	IO					0.69
93.500	0.00	0.03	0.029	IO					0.69

93.583	0.00	0.03	0.029	IO					0.69
93.667	0.00	0.03	0.029	IO					0.68
93.750	0.00	0.03	0.028	IO					0.68
93.833	0.00	0.03	0.028	IO					0.68
93.917	0.00	0.03	0.028	IO					0.67
94.000	0.00	0.03	0.028	0					0.67
94.083	0.00	0.02	0.028	0					0.66
94.167	0.00	0.02	0.028	0					0.66
94.250	0.00	0.02	0.027	0					0.66
94.333	0.00	0.02	0.027	0					0.65
94.417	0.00	0.02	0.027	0					0.65
94.500	0.00	0.02	0.027	0					0.65
94.583	0.00	0.02	0.027	0					0.64
94.667	0.00	0.02	0.027	0					0.64
94.750	0.00	0.02	0.026	0					0.63
94.833	0.00	0.02	0.026	0					0.63
94.917	0.00	0.02	0.026	0					0.63
95.000	0.00	0.02	0.026	0					0.62
95.083	0.00	0.02	0.026	0					0.62
95.167	0.00	0.02	0.026	0					0.62
95.250	0.00	0.02	0.025	0					0.61
95.333	0.00	0.02	0.025	0					0.61
95.417	0.00	0.02	0.025	0					0.61
95.500	0.00	0.02	0.025	0					0.60
95.583	0.00	0.02	0.025	0					0.60
95.667	0.00	0.02	0.025	0					0.60
95.750	0.00	0.02	0.024	0					0.59
95.833	0.00	0.02	0.024	0					0.59
95.917	0.00	0.02	0.024	0					0.59
96.000	0.00	0.02	0.024	0					0.58
96.083	0.00	0.02	0.024	0					0.58
96.167	0.00	0.02	0.024	0					0.58
96.250	0.00	0.02	0.023	0					0.57
96.333	0.00	0.02	0.023	0					0.57
96.417	0.00	0.02	0.023	0					0.57
96.500	0.00	0.02	0.023	0					0.56
96.583	0.00	0.02	0.023	0					0.56
96.667	0.00	0.02	0.023	0					0.56
96.750	0.00	0.02	0.023	0					0.55
96.833	0.00	0.02	0.022	0					0.55
96.917	0.00	0.02	0.022	0					0.55
97.000	0.00	0.02	0.022	0					0.54
97.083	0.00	0.02	0.022	0					0.54
97.167	0.00	0.02	0.022	0					0.54
97.250	0.00	0.02	0.022	0					0.53
97.333	0.00	0.02	0.022	0					0.53
97.417	0.00	0.02	0.021	0					0.53
97.500	0.00	0.02	0.021	0					0.52
97.583	0.00	0.02	0.021	0					0.52
97.667	0.00	0.02	0.021	0					0.52

97.750	0.00	0.02	0.021	0					0.51
97.833	0.00	0.02	0.021	0					0.51
97.917	0.00	0.02	0.021	0					0.51
98.000	0.00	0.02	0.020	0					0.50
98.083	0.00	0.02	0.020	0					0.50
98.167	0.00	0.02	0.020	0					0.50
98.250	0.00	0.02	0.020	0					0.50
98.333	0.00	0.02	0.020	0					0.49
98.417	0.00	0.02	0.020	0					0.49
98.500	0.00	0.02	0.020	0					0.49
98.583	0.00	0.02	0.019	0					0.48
98.667	0.00	0.02	0.019	0					0.48
98.750	0.00	0.02	0.019	0					0.48
98.833	0.00	0.02	0.019	0					0.47
98.917	0.00	0.02	0.019	0					0.47
99.000	0.00	0.02	0.019	0					0.47
99.083	0.00	0.02	0.019	0					0.47
99.167	0.00	0.02	0.019	0					0.46
99.250	0.00	0.02	0.018	0					0.46
99.333	0.00	0.02	0.018	0					0.46
99.417	0.00	0.02	0.018	0					0.45
99.500	0.00	0.02	0.018	0					0.45
99.583	0.00	0.02	0.018	0					0.45
99.667	0.00	0.02	0.018	0					0.45
99.750	0.00	0.02	0.018	0					0.44
99.833	0.00	0.02	0.018	0					0.44
99.917	0.00	0.02	0.017	0					0.44
100.000	0.00	0.02	0.017	0					0.44
100.083	0.00	0.02	0.017	0					0.43
100.167	0.00	0.02	0.017	0					0.43
100.250	0.00	0.02	0.017	0					0.43
100.333	0.00	0.02	0.017	0					0.42
100.417	0.00	0.02	0.017	0					0.42
100.500	0.00	0.02	0.017	0					0.42
100.583	0.00	0.02	0.016	0					0.42
100.667	0.00	0.02	0.016	0					0.41
100.750	0.00	0.02	0.016	0					0.41
100.833	0.00	0.02	0.016	0					0.41
100.917	0.00	0.02	0.016	0					0.41
101.000	0.00	0.02	0.016	0					0.40
101.083	0.00	0.02	0.016	0					0.40
101.167	0.00	0.02	0.016	0					0.40
101.250	0.00	0.02	0.015	0					0.40
101.333	0.00	0.02	0.015	0					0.39
101.417	0.00	0.02	0.015	0					0.39
101.500	0.00	0.02	0.015	0					0.39
101.583	0.00	0.02	0.015	0					0.39
101.667	0.00	0.02	0.015	0					0.38
101.750	0.00	0.02	0.015	0					0.38
101.833	0.00	0.02	0.015	0					0.38

101.917	0.00	0.02	0.015	0					0.38
102.000	0.00	0.02	0.014	0					0.37
102.083	0.00	0.02	0.014	0					0.37
102.167	0.00	0.02	0.014	0					0.37
102.250	0.00	0.02	0.014	0					0.37
102.333	0.00	0.02	0.014	0					0.36
102.417	0.00	0.02	0.014	0					0.36
102.500	0.00	0.02	0.014	0					0.36
102.583	0.00	0.02	0.014	0					0.36
102.667	0.00	0.02	0.014	0					0.35
102.750	0.00	0.02	0.013	0					0.35
102.833	0.00	0.02	0.013	0					0.35
102.917	0.00	0.02	0.013	0					0.35
103.000	0.00	0.02	0.013	0					0.34
103.083	0.00	0.02	0.013	0					0.34
103.167	0.00	0.02	0.013	0					0.34
103.250	0.00	0.02	0.013	0					0.34
103.333	0.00	0.02	0.013	0					0.34
103.417	0.00	0.01	0.013	0					0.33
103.500	0.00	0.01	0.013	0					0.33
103.583	0.00	0.01	0.012	0					0.33
103.667	0.00	0.01	0.012	0					0.33
103.750	0.00	0.01	0.012	0					0.32
103.833	0.00	0.01	0.012	0					0.32
103.917	0.00	0.01	0.012	0					0.32
104.000	0.00	0.01	0.012	0					0.32
104.083	0.00	0.01	0.012	0					0.32
104.167	0.00	0.01	0.012	0					0.31
104.250	0.00	0.01	0.012	0					0.31
104.333	0.00	0.01	0.012	0					0.31
104.417	0.00	0.01	0.011	0					0.31
104.500	0.00	0.01	0.011	0					0.30
104.583	0.00	0.01	0.011	0					0.30
104.667	0.00	0.01	0.011	0					0.30
104.750	0.00	0.01	0.011	0					0.30
104.833	0.00	0.01	0.011	0					0.30
104.917	0.00	0.01	0.011	0					0.29
105.000	0.00	0.01	0.011	0					0.29
105.083	0.00	0.01	0.011	0					0.29
105.167	0.00	0.01	0.011	0					0.29
105.250	0.00	0.01	0.010	0					0.29
105.333	0.00	0.01	0.010	0					0.28
105.417	0.00	0.01	0.010	0					0.28
105.500	0.00	0.01	0.010	0					0.28
105.583	0.00	0.01	0.010	0					0.28
105.667	0.00	0.01	0.010	0					0.28
105.750	0.00	0.01	0.010	0					0.27
105.833	0.00	0.01	0.010	0					0.27
105.917	0.00	0.01	0.010	0					0.27
106.000	0.00	0.01	0.010	0					0.27

106.083	0.00	0.01	0.010	0					0.27
106.167	0.00	0.01	0.009	0					0.26
106.250	0.00	0.01	0.009	0					0.26
106.333	0.00	0.01	0.009	0					0.26
106.417	0.00	0.01	0.009	0					0.26
106.500	0.00	0.01	0.009	0					0.26
106.583	0.00	0.01	0.009	0					0.25
106.667	0.00	0.01	0.009	0					0.25
106.750	0.00	0.01	0.009	0					0.25
106.833	0.00	0.01	0.009	0					0.25
106.917	0.00	0.01	0.009	0					0.25
107.000	0.00	0.01	0.009	0					0.24
107.083	0.00	0.01	0.009	0					0.24
107.167	0.00	0.01	0.008	0					0.24
107.250	0.00	0.01	0.008	0					0.24
107.333	0.00	0.01	0.008	0					0.24
107.417	0.00	0.01	0.008	0					0.24
107.500	0.00	0.01	0.008	0					0.23
107.583	0.00	0.01	0.008	0					0.23
107.667	0.00	0.01	0.008	0					0.23
107.750	0.00	0.01	0.008	0					0.23
107.833	0.00	0.01	0.008	0					0.23
107.917	0.00	0.01	0.008	0					0.22
108.000	0.00	0.01	0.008	0					0.22
108.083	0.00	0.01	0.008	0					0.22
108.167	0.00	0.01	0.007	0					0.22
108.250	0.00	0.01	0.007	0					0.22
108.333	0.00	0.01	0.007	0					0.22
108.417	0.00	0.01	0.007	0					0.21
108.500	0.00	0.01	0.007	0					0.21
108.583	0.00	0.01	0.007	0					0.21
108.667	0.00	0.01	0.007	0					0.21
108.750	0.00	0.01	0.007	0					0.21
108.833	0.00	0.01	0.007	0					0.21
108.917	0.00	0.01	0.007	0					0.20
109.000	0.00	0.01	0.007	0					0.20
109.083	0.00	0.01	0.007	0					0.20
109.167	0.00	0.01	0.007	0					0.20
109.250	0.00	0.01	0.006	0					0.20
109.333	0.00	0.01	0.006	0					0.20
109.417	0.00	0.01	0.006	0					0.19
109.500	0.00	0.01	0.006	0					0.19
109.583	0.00	0.01	0.006	0					0.19
109.667	0.00	0.01	0.006	0					0.19
109.750	0.00	0.01	0.006	0					0.19
109.833	0.00	0.01	0.006	0					0.19
109.917	0.00	0.01	0.006	0					0.18
110.000	0.00	0.01	0.006	0					0.18
110.083	0.00	0.01	0.006	0					0.18
110.167	0.00	0.01	0.006	0					0.18

110.250	0.00	0.01	0.006	0					0.18
110.333	0.00	0.01	0.005	0					0.18
110.417	0.00	0.01	0.005	0					0.17
110.500	0.00	0.01	0.005	0					0.17
110.583	0.00	0.01	0.005	0					0.17
110.667	0.00	0.01	0.005	0					0.17
110.750	0.00	0.01	0.005	0					0.17
110.833	0.00	0.01	0.005	0					0.17
110.917	0.00	0.01	0.005	0					0.17
111.000	0.00	0.01	0.005	0					0.16
111.083	0.00	0.01	0.005	0					0.16
111.167	0.00	0.01	0.005	0					0.16
111.250	0.00	0.01	0.005	0					0.16
111.333	0.00	0.01	0.005	0					0.16
111.417	0.00	0.01	0.005	0					0.16
111.500	0.00	0.01	0.005	0					0.16
111.583	0.00	0.01	0.004	0					0.15
111.667	0.00	0.01	0.004	0					0.15
111.750	0.00	0.01	0.004	0					0.15
111.833	0.00	0.01	0.004	0					0.15
111.917	0.00	0.01	0.004	0					0.15
112.000	0.00	0.01	0.004	0					0.15
112.083	0.00	0.01	0.004	0					0.15
112.167	0.00	0.01	0.004	0					0.14
112.250	0.00	0.01	0.004	0					0.14
112.333	0.00	0.01	0.004	0					0.14
112.417	0.00	0.01	0.004	0					0.14
112.500	0.00	0.01	0.004	0					0.14
112.583	0.00	0.01	0.004	0					0.14
112.667	0.00	0.01	0.004	0					0.14
112.750	0.00	0.01	0.004	0					0.13
112.833	0.00	0.01	0.003	0					0.13
112.917	0.00	0.01	0.003	0					0.13
113.000	0.00	0.01	0.003	0					0.13
113.083	0.00	0.01	0.003	0					0.13
113.167	0.00	0.01	0.003	0					0.13
113.250	0.00	0.01	0.003	0					0.13
113.333	0.00	0.01	0.003	0					0.12
113.417	0.00	0.01	0.003	0					0.12
113.500	0.00	0.01	0.003	0					0.12
113.583	0.00	0.01	0.003	0					0.12
113.667	0.00	0.01	0.003	0					0.12
113.750	0.00	0.01	0.003	0					0.12
113.833	0.00	0.01	0.003	0					0.12
113.917	0.00	0.01	0.003	0					0.12
114.000	0.00	0.01	0.003	0					0.11
114.083	0.00	0.01	0.003	0					0.11
114.167	0.00	0.01	0.003	0					0.11
114.250	0.00	0.01	0.002	0					0.11
114.333	0.00	0.01	0.002	0					0.11

114.417	0.00	0.01	0.002	0					0.11
114.500	0.00	0.01	0.002	0					0.11
114.583	0.00	0.01	0.002	0					0.11
114.667	0.00	0.01	0.002	0					0.10
114.750	0.00	0.01	0.002	0					0.10
114.833	0.00	0.01	0.002	0					0.10
114.917	0.00	0.01	0.002	0					0.10
115.000	0.00	0.01	0.002	0					0.10
115.083	0.00	0.01	0.002	0					0.10
115.167	0.00	0.01	0.002	0					0.09
115.250	0.00	0.01	0.002	0					0.09
115.333	0.00	0.01	0.002	0					0.09
115.417	0.00	0.01	0.002	0					0.09
115.500	0.00	0.01	0.002	0					0.08
115.583	0.00	0.01	0.002	0					0.08
115.667	0.00	0.01	0.002	0					0.08
115.750	0.00	0.01	0.002	0					0.08
115.833	0.00	0.01	0.002	0					0.08
115.917	0.00	0.01	0.001	0					0.07
116.000	0.00	0.01	0.001	0					0.07
116.083	0.00	0.01	0.001	0					0.07
116.167	0.00	0.01	0.001	0					0.07
116.250	0.00	0.01	0.001	0					0.07
116.333	0.00	0.01	0.001	0					0.06
116.417	0.00	0.00	0.001	0					0.06
116.500	0.00	0.00	0.001	0					0.06
116.583	0.00	0.00	0.001	0					0.06
116.667	0.00	0.00	0.001	0					0.06
116.750	0.00	0.00	0.001	0					0.06
116.833	0.00	0.00	0.001	0					0.05
116.917	0.00	0.00	0.001	0					0.05
117.000	0.00	0.00	0.001	0					0.05
117.083	0.00	0.00	0.001	0					0.05
117.167	0.00	0.00	0.001	0					0.05
117.250	0.00	0.00	0.001	0					0.05
117.333	0.00	0.00	0.001	0					0.05
117.417	0.00	0.00	0.001	0					0.04
117.500	0.00	0.00	0.001	0					0.04
117.583	0.00	0.00	0.001	0					0.04
117.667	0.00	0.00	0.001	0					0.04
117.750	0.00	0.00	0.001	0					0.04
117.833	0.00	0.00	0.001	0					0.04
117.917	0.00	0.00	0.001	0					0.04
118.000	0.00	0.00	0.001	0					0.04
118.083	0.00	0.00	0.001	0					0.04
118.167	0.00	0.00	0.001	0					0.03
118.250	0.00	0.00	0.001	0					0.03
118.333	0.00	0.00	0.001	0					0.03
118.417	0.00	0.00	0.001	0					0.03
118.500	0.00	0.00	0.001	0					0.03

118.583	0.00	0.00	0.001	0					0.03
118.667	0.00	0.00	0.001	0					0.03
118.750	0.00	0.00	0.001	0					0.03
118.833	0.00	0.00	0.001	0					0.03
118.917	0.00	0.00	0.001	0					0.03
119.000	0.00	0.00	0.001	0					0.03
119.083	0.00	0.00	0.001	0					0.03
119.167	0.00	0.00	0.000	0					0.02
119.250	0.00	0.00	0.000	0					0.02
119.333	0.00	0.00	0.000	0					0.02
119.417	0.00	0.00	0.000	0					0.02
119.500	0.00	0.00	0.000	0					0.02
119.583	0.00	0.00	0.000	0					0.02
119.667	0.00	0.00	0.000	0					0.02
119.750	0.00	0.00	0.000	0					0.02
119.833	0.00	0.00	0.000	0					0.02
119.917	0.00	0.00	0.000	0					0.02
120.000	0.00	0.00	0.000	0					0.02
120.083	0.00	0.00	0.000	0					0.02
120.167	0.00	0.00	0.000	0					0.02
120.250	0.00	0.00	0.000	0					0.02
120.333	0.00	0.00	0.000	0					0.02
120.417	0.00	0.00	0.000	0					0.02
120.500	0.00	0.00	0.000	0					0.02
120.583	0.00	0.00	0.000	0					0.02
120.667	0.00	0.00	0.000	0					0.02
120.750	0.00	0.00	0.000	0					0.01
120.833	0.00	0.00	0.000	0					0.01
120.917	0.00	0.00	0.000	0					0.01
121.000	0.00	0.00	0.000	0					0.01
121.083	0.00	0.00	0.000	0					0.01
121.167	0.00	0.00	0.000	0					0.01
121.250	0.00	0.00	0.000	0					0.01
121.333	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1456

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.144 (CFS)

Total volume = 0.487 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
5 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da365.rte
*****HYDROGRAPH DATA*****
Number of intervals = 73
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.421 (CFS)
Total volume = 0.285 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 73
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.6	1.21	1.82	2.42	Depth (Ft.)
0.083	0.14	0.00	0.000	OI					0.02
0.167	0.23	0.01	0.002	O I					0.08
0.250	0.24	0.01	0.003	O I					0.13
0.333	0.24	0.01	0.005	O I					0.16
0.417	0.24	0.01	0.007	O I					0.20
0.500	0.27	0.01	0.008	O I					0.24
0.583	0.29	0.01	0.010	O I					0.28
0.667	0.29	0.01	0.012	O I					0.32
0.750	0.29	0.02	0.014	O I					0.36
0.833	0.29	0.02	0.016	O I					0.40
0.917	0.29	0.02	0.017	O I					0.44
1.000	0.31	0.02	0.019	O I					0.48
1.083	0.33	0.02	0.021	O I					0.53
1.167	0.33	0.02	0.024	O I					0.57
1.250	0.33	0.02	0.026	O I					0.62
1.333	0.33	0.02	0.028	O I					0.66
1.417	0.33	0.03	0.030	O I					0.71
1.500	0.33	0.03	0.032	O I					0.75
1.583	0.33	0.03	0.034	O I					0.80
1.667	0.33	0.03	0.036	O I					0.84
1.750	0.33	0.03	0.038	O I					0.89
1.833	0.33	0.03	0.040	O I					0.93

1.917	0.33	0.03	0.042	0	I						0.98
2.000	0.35	0.04	0.044	0	I						1.02
2.083	0.34	0.04	0.046	0	I						1.05
2.167	0.35	0.04	0.048	0	I						1.08
2.250	0.37	0.04	0.051	0	I						1.11
2.333	0.37	0.04	0.053	0	I						1.14
2.417	0.37	0.04	0.055	0	I						1.17
2.500	0.37	0.04	0.057	0	I						1.21
2.583	0.37	0.04	0.060	0	I						1.24
2.667	0.37	0.04	0.062	0	I						1.27
2.750	0.39	0.04	0.064	0	I						1.30
2.833	0.41	0.04	0.067	0	I						1.34
2.917	0.41	0.04	0.069	0	I						1.37
3.000	0.41	0.04	0.072	0	I						1.41
3.083	0.41	0.04	0.074	0	I						1.45
3.167	0.43	0.04	0.077	0	I						1.48
3.250	0.45	0.04	0.080	0	I						1.52
3.333	0.45	0.04	0.082	0	I						1.56
3.417	0.48	0.04	0.085	0	I						1.60
3.500	0.52	0.04	0.088	0	I						1.65
3.583	0.56	0.05	0.092	0	I						1.70
3.667	0.57	0.05	0.095	0	I						1.75
3.750	0.60	0.05	0.099	0	I						1.80
3.833	0.61	0.05	0.103	0	I						1.86
3.917	0.64	0.05	0.107	0	I						1.91
4.000	0.65	0.05	0.111	0	I						1.97
4.083	0.68	0.05	0.115	0	I						2.03
4.167	0.72	0.05	0.120	0	I						2.08
4.250	0.76	0.05	0.124	0	I						2.14
4.333	0.80	0.05	0.129	0	I						2.20
4.417	0.84	0.05	0.135	0	I						2.26
4.500	0.86	0.05	0.140	0	I						2.33
4.583	0.88	0.05	0.146	0	I						2.40
4.667	0.92	0.06	0.152	0	I						2.47
4.750	0.96	0.06	0.158	0	I						2.54
4.833	0.98	0.06	0.164	0	I						2.61
4.917	1.00	0.06	0.170	0	I						2.69
5.000	1.05	0.06	0.177	0	I						2.77
5.083	1.19	0.06	0.184	0	I						2.86
5.167	1.41	0.06	0.193	0	I						2.96
5.250	1.60	0.06	0.203	0	I						3.08
5.333	1.76	0.06	0.214	0	I						3.21
5.417	2.00	0.06	0.227	0	I						3.36
5.500	2.42	0.07	0.241	0	I						3.53
5.583	1.37	0.07	0.254	0	I						3.67
5.667	0.50	0.07	0.260	0	I						3.74
5.750	0.28	0.07	0.262	0	I						3.77
5.833	0.22	0.07	0.263	0	I						3.78
5.917	0.15	0.07	0.264	0	I						3.79
6.000	0.09	0.07	0.265	0	I						3.80

6.083	0.03	0.07	0.265	0					3.80
6.167	0.00	0.07	0.264	0					3.79
6.250	0.00	0.07	0.264	0					3.79
6.333	0.00	0.07	0.263	0					3.78
6.417	0.00	0.07	0.263	0					3.78
6.500	0.00	0.07	0.262	0					3.77
6.583	0.00	0.07	0.262	0					3.76
6.667	0.00	0.07	0.261	0					3.76
6.750	0.00	0.07	0.261	0					3.75
6.833	0.00	0.07	0.260	0					3.75
6.917	0.00	0.07	0.260	0					3.74
7.000	0.00	0.07	0.259	0					3.74
7.083	0.00	0.07	0.259	0					3.73
7.167	0.00	0.07	0.258	0					3.73
7.250	0.00	0.07	0.258	0					3.72
7.333	0.00	0.07	0.258	0					3.72
7.417	0.00	0.07	0.257	0					3.71
7.500	0.00	0.07	0.257	0					3.70
7.583	0.00	0.07	0.256	0					3.70
7.667	0.00	0.07	0.256	0					3.69
7.750	0.00	0.07	0.255	0					3.69
7.833	0.00	0.07	0.255	0					3.68
7.917	0.00	0.07	0.254	0					3.68
8.000	0.00	0.07	0.254	0					3.67
8.083	0.00	0.07	0.253	0					3.67
8.167	0.00	0.07	0.253	0					3.66
8.250	0.00	0.07	0.252	0					3.66
8.333	0.00	0.07	0.252	0					3.65
8.417	0.00	0.07	0.251	0					3.64
8.500	0.00	0.07	0.251	0					3.64
8.583	0.00	0.07	0.251	0					3.63
8.667	0.00	0.07	0.250	0					3.63
8.750	0.00	0.07	0.250	0					3.62
8.833	0.00	0.07	0.249	0					3.62
8.917	0.00	0.07	0.249	0					3.61
9.000	0.00	0.07	0.248	0					3.61
9.083	0.00	0.07	0.248	0					3.60
9.167	0.00	0.07	0.247	0					3.60
9.250	0.00	0.07	0.247	0					3.59
9.333	0.00	0.07	0.246	0					3.59
9.417	0.00	0.07	0.246	0					3.58
9.500	0.00	0.07	0.245	0					3.57
9.583	0.00	0.07	0.245	0					3.57
9.667	0.00	0.07	0.245	0					3.56
9.750	0.00	0.07	0.244	0					3.56
9.833	0.00	0.07	0.244	0					3.55
9.917	0.00	0.07	0.243	0					3.55
10.000	0.00	0.07	0.243	0					3.54
10.083	0.00	0.07	0.242	0					3.54
10.167	0.00	0.07	0.242	0					3.53

10.250	0.00	0.07	0.241	0					3.53
10.333	0.00	0.07	0.241	0					3.52
10.417	0.00	0.07	0.240	0					3.52
10.500	0.00	0.07	0.240	0					3.51
10.583	0.00	0.07	0.239	0					3.51
10.667	0.00	0.07	0.239	0					3.50
10.750	0.00	0.07	0.239	0					3.50
10.833	0.00	0.07	0.238	0					3.49
10.917	0.00	0.07	0.238	0					3.48
11.000	0.00	0.07	0.237	0					3.48
11.083	0.00	0.07	0.237	0					3.47
11.167	0.00	0.07	0.236	0					3.47
11.250	0.00	0.07	0.236	0					3.46
11.333	0.00	0.07	0.235	0					3.46
11.417	0.00	0.07	0.235	0					3.45
11.500	0.00	0.07	0.235	0					3.45
11.583	0.00	0.07	0.234	0					3.44
11.667	0.00	0.07	0.234	0					3.44
11.750	0.00	0.07	0.233	0					3.43
11.833	0.00	0.07	0.233	0					3.43
11.917	0.00	0.07	0.232	0					3.42
12.000	0.00	0.07	0.232	0					3.42
12.083	0.00	0.07	0.231	0					3.41
12.167	0.00	0.07	0.231	0					3.41
12.250	0.00	0.07	0.230	0					3.40
12.333	0.00	0.06	0.230	0					3.40
12.417	0.00	0.06	0.230	0					3.39
12.500	0.00	0.06	0.229	0					3.39
12.583	0.00	0.06	0.229	0					3.38
12.667	0.00	0.06	0.228	0					3.37
12.750	0.00	0.06	0.228	0					3.37
12.833	0.00	0.06	0.227	0					3.36
12.917	0.00	0.06	0.227	0					3.36
13.000	0.00	0.06	0.226	0					3.35
13.083	0.00	0.06	0.226	0					3.35
13.167	0.00	0.06	0.226	0					3.34
13.250	0.00	0.06	0.225	0					3.34
13.333	0.00	0.06	0.225	0					3.33
13.417	0.00	0.06	0.224	0					3.33
13.500	0.00	0.06	0.224	0					3.32
13.583	0.00	0.06	0.223	0					3.32
13.667	0.00	0.06	0.223	0					3.31
13.750	0.00	0.06	0.222	0					3.31
13.833	0.00	0.06	0.222	0					3.30
13.917	0.00	0.06	0.222	0					3.30
14.000	0.00	0.06	0.221	0					3.29
14.083	0.00	0.06	0.221	0					3.29
14.167	0.00	0.06	0.220	0					3.28
14.250	0.00	0.06	0.220	0					3.28
14.333	0.00	0.06	0.219	0					3.27

14.417	0.00	0.06	0.219	0					3.27
14.500	0.00	0.06	0.219	0					3.26
14.583	0.00	0.06	0.218	0					3.26
14.667	0.00	0.06	0.218	0					3.25
14.750	0.00	0.06	0.217	0					3.25
14.833	0.00	0.06	0.217	0					3.24
14.917	0.00	0.06	0.216	0					3.24
15.000	0.00	0.06	0.216	0					3.23
15.083	0.00	0.06	0.215	0					3.23
15.167	0.00	0.06	0.215	0					3.22
15.250	0.00	0.06	0.215	0					3.22
15.333	0.00	0.06	0.214	0					3.21
15.417	0.00	0.06	0.214	0					3.21
15.500	0.00	0.06	0.213	0					3.20
15.583	0.00	0.06	0.213	0					3.20
15.667	0.00	0.06	0.212	0					3.19
15.750	0.00	0.06	0.212	0					3.19
15.833	0.00	0.06	0.212	0					3.18
15.917	0.00	0.06	0.211	0					3.18
16.000	0.00	0.06	0.211	0					3.17
16.083	0.00	0.06	0.210	0					3.17
16.167	0.00	0.06	0.210	0					3.16
16.250	0.00	0.06	0.209	0					3.16
16.333	0.00	0.06	0.209	0					3.15
16.417	0.00	0.06	0.209	0					3.15
16.500	0.00	0.06	0.208	0					3.14
16.583	0.00	0.06	0.208	0					3.14
16.667	0.00	0.06	0.207	0					3.13
16.750	0.00	0.06	0.207	0					3.13
16.833	0.00	0.06	0.206	0					3.12
16.917	0.00	0.06	0.206	0					3.12
17.000	0.00	0.06	0.206	0					3.11
17.083	0.00	0.06	0.205	0					3.11
17.167	0.00	0.06	0.205	0					3.10
17.250	0.00	0.06	0.204	0					3.10
17.333	0.00	0.06	0.204	0					3.09
17.417	0.00	0.06	0.203	0					3.09
17.500	0.00	0.06	0.203	0					3.08
17.583	0.00	0.06	0.203	0					3.08
17.667	0.00	0.06	0.202	0					3.07
17.750	0.00	0.06	0.202	0					3.07
17.833	0.00	0.06	0.201	0					3.06
17.917	0.00	0.06	0.201	0					3.06
18.000	0.00	0.06	0.200	0					3.05
18.083	0.00	0.06	0.200	0					3.05
18.167	0.00	0.06	0.200	0					3.04
18.250	0.00	0.06	0.199	0					3.04
18.333	0.00	0.06	0.199	0					3.03
18.417	0.00	0.06	0.198	0					3.03
18.500	0.00	0.06	0.198	0					3.02

18.583	0.00	0.06	0.197	0					3.02
18.667	0.00	0.06	0.197	0					3.01
18.750	0.00	0.06	0.197	0					3.01
18.833	0.00	0.06	0.196	0					3.00
18.917	0.00	0.06	0.196	0					3.00
19.000	0.00	0.06	0.195	0					2.99
19.083	0.00	0.06	0.195	0					2.99
19.167	0.00	0.06	0.195	0					2.98
19.250	0.00	0.06	0.194	0					2.98
19.333	0.00	0.06	0.194	0					2.97
19.417	0.00	0.06	0.193	0					2.97
19.500	0.00	0.06	0.193	0					2.96
19.583	0.00	0.06	0.192	0					2.96
19.667	0.00	0.06	0.192	0					2.95
19.750	0.00	0.06	0.192	0					2.95
19.833	0.00	0.06	0.191	0					2.94
19.917	0.00	0.06	0.191	0					2.94
20.000	0.00	0.06	0.190	0					2.93
20.083	0.00	0.06	0.190	0					2.93
20.167	0.00	0.06	0.190	0					2.92
20.250	0.00	0.06	0.189	0					2.92
20.333	0.00	0.06	0.189	0					2.91
20.417	0.00	0.06	0.188	0					2.91
20.500	0.00	0.06	0.188	0					2.90
20.583	0.00	0.06	0.187	0					2.90
20.667	0.00	0.06	0.187	0					2.89
20.750	0.00	0.06	0.187	0					2.89
20.833	0.00	0.06	0.186	0					2.88
20.917	0.00	0.06	0.186	0					2.88
21.000	0.00	0.06	0.185	0					2.87
21.083	0.00	0.06	0.185	0					2.87
21.167	0.00	0.06	0.185	0					2.86
21.250	0.00	0.06	0.184	0					2.86
21.333	0.00	0.06	0.184	0					2.85
21.417	0.00	0.06	0.183	0					2.85
21.500	0.00	0.06	0.183	0					2.84
21.583	0.00	0.06	0.183	0					2.84
21.667	0.00	0.06	0.182	0					2.83
21.750	0.00	0.06	0.182	0					2.83
21.833	0.00	0.06	0.181	0					2.82
21.917	0.00	0.06	0.181	0					2.82
22.000	0.00	0.06	0.180	0					2.81
22.083	0.00	0.06	0.180	0					2.81
22.167	0.00	0.06	0.180	0					2.80
22.250	0.00	0.06	0.179	0					2.80
22.333	0.00	0.06	0.179	0					2.79
22.417	0.00	0.06	0.178	0					2.79
22.500	0.00	0.06	0.178	0					2.78
22.583	0.00	0.06	0.178	0					2.78
22.667	0.00	0.06	0.177	0					2.77

22.750	0.00	0.06	0.177	0					2.77
22.833	0.00	0.06	0.176	0					2.76
22.917	0.00	0.06	0.176	0					2.76
23.000	0.00	0.06	0.176	0					2.75
23.083	0.00	0.06	0.175	0					2.75
23.167	0.00	0.06	0.175	0					2.75
23.250	0.00	0.06	0.174	0					2.74
23.333	0.00	0.06	0.174	0					2.74
23.417	0.00	0.06	0.174	0					2.73
23.500	0.00	0.06	0.173	0					2.73
23.583	0.00	0.06	0.173	0					2.72
23.667	0.00	0.06	0.172	0					2.72
23.750	0.00	0.06	0.172	0					2.71
23.833	0.00	0.06	0.172	0					2.71
23.917	0.00	0.06	0.171	0					2.70
24.000	0.00	0.06	0.171	0					2.70
24.083	0.00	0.06	0.170	0					2.69
24.167	0.00	0.06	0.170	0					2.69
24.250	0.00	0.06	0.170	0					2.68
24.333	0.00	0.06	0.169	0					2.68
24.417	0.00	0.06	0.169	0					2.67
24.500	0.00	0.06	0.168	0					2.67
24.583	0.00	0.06	0.168	0					2.66
24.667	0.00	0.06	0.168	0					2.66
24.750	0.00	0.06	0.167	0					2.65
24.833	0.00	0.06	0.167	0					2.65
24.917	0.00	0.06	0.167	0					2.64
25.000	0.00	0.06	0.166	0					2.64
25.083	0.00	0.06	0.166	0					2.64
25.167	0.00	0.06	0.165	0					2.63
25.250	0.00	0.06	0.165	0					2.63
25.333	0.00	0.06	0.165	0					2.62
25.417	0.00	0.06	0.164	0					2.62
25.500	0.00	0.06	0.164	0					2.61
25.583	0.00	0.06	0.163	0					2.61
25.667	0.00	0.06	0.163	0					2.60
25.750	0.00	0.06	0.163	0					2.60
25.833	0.00	0.06	0.162	0					2.59
25.917	0.00	0.06	0.162	0					2.59
26.000	0.00	0.06	0.161	0					2.58
26.083	0.00	0.06	0.161	0					2.58
26.167	0.00	0.06	0.161	0					2.57
26.250	0.00	0.06	0.160	0					2.57
26.333	0.00	0.06	0.160	0					2.56
26.417	0.00	0.06	0.159	0					2.56
26.500	0.00	0.06	0.159	0					2.56
26.583	0.00	0.06	0.159	0					2.55
26.667	0.00	0.06	0.158	0					2.55
26.750	0.00	0.06	0.158	0					2.54
26.833	0.00	0.06	0.158	0					2.54

26.917	0.00	0.06	0.157	0					2.53
27.000	0.00	0.06	0.157	0					2.53
27.083	0.00	0.06	0.156	0					2.52
27.167	0.00	0.06	0.156	0					2.52
27.250	0.00	0.06	0.156	0					2.51
27.333	0.00	0.06	0.155	0					2.51
27.417	0.00	0.06	0.155	0					2.50
27.500	0.00	0.06	0.154	0					2.50
27.583	0.00	0.06	0.154	0					2.50
27.667	0.00	0.06	0.154	0					2.49
27.750	0.00	0.06	0.153	0					2.49
27.833	0.00	0.06	0.153	0					2.48
27.917	0.00	0.06	0.153	0					2.48
28.000	0.00	0.06	0.152	0					2.47
28.083	0.00	0.06	0.152	0					2.47
28.167	0.00	0.06	0.151	0					2.46
28.250	0.00	0.06	0.151	0					2.46
28.333	0.00	0.05	0.151	0					2.45
28.417	0.00	0.05	0.150	0					2.45
28.500	0.00	0.05	0.150	0					2.45
28.583	0.00	0.05	0.150	0					2.44
28.667	0.00	0.05	0.149	0					2.44
28.750	0.00	0.05	0.149	0					2.43
28.833	0.00	0.05	0.148	0					2.43
28.917	0.00	0.05	0.148	0					2.42
29.000	0.00	0.05	0.148	0					2.42
29.083	0.00	0.05	0.147	0					2.41
29.167	0.00	0.05	0.147	0					2.41
29.250	0.00	0.05	0.147	0					2.40
29.333	0.00	0.05	0.146	0					2.40
29.417	0.00	0.05	0.146	0					2.40
29.500	0.00	0.05	0.145	0					2.39
29.583	0.00	0.05	0.145	0					2.39
29.667	0.00	0.05	0.145	0					2.38
29.750	0.00	0.05	0.144	0					2.38
29.833	0.00	0.05	0.144	0					2.37
29.917	0.00	0.05	0.144	0					2.37
30.000	0.00	0.05	0.143	0					2.36
30.083	0.00	0.05	0.143	0					2.36
30.167	0.00	0.05	0.142	0					2.35
30.250	0.00	0.05	0.142	0					2.35
30.333	0.00	0.05	0.142	0					2.35
30.417	0.00	0.05	0.141	0					2.34
30.500	0.00	0.05	0.141	0					2.34
30.583	0.00	0.05	0.141	0					2.33
30.667	0.00	0.05	0.140	0					2.33
30.750	0.00	0.05	0.140	0					2.32
30.833	0.00	0.05	0.139	0					2.32
30.917	0.00	0.05	0.139	0					2.31
31.000	0.00	0.05	0.139	0					2.31

31.083	0.00	0.05	0.138	0					2.31
31.167	0.00	0.05	0.138	0					2.30
31.250	0.00	0.05	0.138	0					2.30
31.333	0.00	0.05	0.137	0					2.29
31.417	0.00	0.05	0.137	0					2.29
31.500	0.00	0.05	0.137	0					2.28
31.583	0.00	0.05	0.136	0					2.28
31.667	0.00	0.05	0.136	0					2.27
31.750	0.00	0.05	0.135	0					2.27
31.833	0.00	0.05	0.135	0					2.27
31.917	0.00	0.05	0.135	0					2.26
32.000	0.00	0.05	0.134	0					2.26
32.083	0.00	0.05	0.134	0					2.25
32.167	0.00	0.05	0.134	0					2.25
32.250	0.00	0.05	0.133	0					2.24
32.333	0.00	0.05	0.133	0					2.24
32.417	0.00	0.05	0.133	0					2.24
32.500	0.00	0.05	0.132	0					2.23
32.583	0.00	0.05	0.132	0					2.23
32.667	0.00	0.05	0.131	0					2.22
32.750	0.00	0.05	0.131	0					2.22
32.833	0.00	0.05	0.131	0					2.21
32.917	0.00	0.05	0.130	0					2.21
33.000	0.00	0.05	0.130	0					2.20
33.083	0.00	0.05	0.130	0					2.20
33.167	0.00	0.05	0.129	0					2.20
33.250	0.00	0.05	0.129	0					2.19
33.333	0.00	0.05	0.129	0					2.19
33.417	0.00	0.05	0.128	0					2.18
33.500	0.00	0.05	0.128	0					2.18
33.583	0.00	0.05	0.128	0					2.17
33.667	0.00	0.05	0.127	0					2.17
33.750	0.00	0.05	0.127	0					2.17
33.833	0.00	0.05	0.126	0					2.16
33.917	0.00	0.05	0.126	0					2.16
34.000	0.00	0.05	0.126	0					2.15
34.083	0.00	0.05	0.125	0					2.15
34.167	0.00	0.05	0.125	0					2.14
34.250	0.00	0.05	0.125	0					2.14
34.333	0.00	0.05	0.124	0					2.14
34.417	0.00	0.05	0.124	0					2.13
34.500	0.00	0.05	0.124	0					2.13
34.583	0.00	0.05	0.123	0					2.12
34.667	0.00	0.05	0.123	0					2.12
34.750	0.00	0.05	0.123	0					2.11
34.833	0.00	0.05	0.122	0					2.11
34.917	0.00	0.05	0.122	0					2.11
35.000	0.00	0.05	0.121	0					2.10
35.083	0.00	0.05	0.121	0					2.10
35.167	0.00	0.05	0.121	0					2.09

35.250	0.00	0.05	0.120	0					2.09
35.333	0.00	0.05	0.120	0					2.09
35.417	0.00	0.05	0.120	0					2.08
35.500	0.00	0.05	0.119	0					2.08
35.583	0.00	0.05	0.119	0					2.07
35.667	0.00	0.05	0.119	0					2.07
35.750	0.00	0.05	0.118	0					2.06
35.833	0.00	0.05	0.118	0					2.06
35.917	0.00	0.05	0.118	0					2.06
36.000	0.00	0.05	0.117	0					2.05
36.083	0.00	0.05	0.117	0					2.05
36.167	0.00	0.05	0.117	0					2.04
36.250	0.00	0.05	0.116	0					2.04
36.333	0.00	0.05	0.116	0					2.03
36.417	0.00	0.05	0.116	0					2.03
36.500	0.00	0.05	0.115	0					2.03
36.583	0.00	0.05	0.115	0					2.02
36.667	0.00	0.05	0.114	0					2.02
36.750	0.00	0.05	0.114	0					2.01
36.833	0.00	0.05	0.114	0					2.01
36.917	0.00	0.05	0.113	0					2.01
37.000	0.00	0.05	0.113	0					2.00
37.083	0.00	0.05	0.113	0					2.00
37.167	0.00	0.05	0.112	0					1.99
37.250	0.00	0.05	0.112	0					1.99
37.333	0.00	0.05	0.112	0					1.98
37.417	0.00	0.05	0.111	0					1.98
37.500	0.00	0.05	0.111	0					1.97
37.583	0.00	0.05	0.111	0					1.97
37.667	0.00	0.05	0.110	0					1.96
37.750	0.00	0.05	0.110	0					1.96
37.833	0.00	0.05	0.110	0					1.95
37.917	0.00	0.05	0.109	0					1.95
38.000	0.00	0.05	0.109	0					1.94
38.083	0.00	0.05	0.109	0					1.94
38.167	0.00	0.05	0.108	0					1.93
38.250	0.00	0.05	0.108	0					1.93
38.333	0.00	0.05	0.108	0					1.92
38.417	0.00	0.05	0.107	0					1.92
38.500	0.00	0.05	0.107	0					1.91
38.583	0.00	0.05	0.107	0					1.91
38.667	0.00	0.05	0.106	0					1.90
38.750	0.00	0.05	0.106	0					1.90
38.833	0.00	0.05	0.106	0					1.90
38.917	0.00	0.05	0.105	0					1.89
39.000	0.00	0.05	0.105	0					1.89
39.083	0.00	0.05	0.105	0					1.88
39.167	0.00	0.05	0.104	0					1.88
39.250	0.00	0.05	0.104	0					1.87
39.333	0.00	0.05	0.104	0					1.87

39.417	0.00	0.05	0.103	0					1.86
39.500	0.00	0.05	0.103	0					1.86
39.583	0.00	0.05	0.103	0					1.85
39.667	0.00	0.05	0.102	0					1.85
39.750	0.00	0.05	0.102	0					1.84
39.833	0.00	0.05	0.102	0					1.84
39.917	0.00	0.05	0.101	0					1.83
40.000	0.00	0.05	0.101	0					1.83
40.083	0.00	0.05	0.101	0					1.82
40.167	0.00	0.05	0.100	0					1.82
40.250	0.00	0.05	0.100	0					1.82
40.333	0.00	0.05	0.100	0					1.81
40.417	0.00	0.05	0.099	0					1.81
40.500	0.00	0.05	0.099	0					1.80
40.583	0.00	0.05	0.099	0					1.80
40.667	0.00	0.05	0.098	0					1.79
40.750	0.00	0.05	0.098	0					1.79
40.833	0.00	0.05	0.098	0					1.78
40.917	0.00	0.05	0.097	0					1.78
41.000	0.00	0.05	0.097	0					1.77
41.083	0.00	0.05	0.097	0					1.77
41.167	0.00	0.05	0.097	0					1.76
41.250	0.00	0.05	0.096	0					1.76
41.333	0.00	0.05	0.096	0					1.76
41.417	0.00	0.05	0.096	0					1.75
41.500	0.00	0.05	0.095	0					1.75
41.583	0.00	0.05	0.095	0					1.74
41.667	0.00	0.05	0.095	0					1.74
41.750	0.00	0.05	0.094	0					1.73
41.833	0.00	0.05	0.094	0					1.73
41.917	0.00	0.05	0.094	0					1.72
42.000	0.00	0.05	0.093	0					1.72
42.083	0.00	0.05	0.093	0					1.71
42.167	0.00	0.05	0.093	0					1.71
42.250	0.00	0.05	0.092	0					1.71
42.333	0.00	0.05	0.092	0					1.70
42.417	0.00	0.05	0.092	0					1.70
42.500	0.00	0.05	0.091	0					1.69
42.583	0.00	0.05	0.091	0					1.69
42.667	0.00	0.05	0.091	0					1.68
42.750	0.00	0.05	0.091	0					1.68
42.833	0.00	0.05	0.090	0					1.67
42.917	0.00	0.05	0.090	0					1.67
43.000	0.00	0.04	0.090	0					1.67
43.083	0.00	0.04	0.089	0					1.66
43.167	0.00	0.04	0.089	0					1.66
43.250	0.00	0.04	0.089	0					1.65
43.333	0.00	0.04	0.088	0					1.65
43.417	0.00	0.04	0.088	0					1.64
43.500	0.00	0.04	0.088	0					1.64

43.583	0.00	0.04	0.087	0					1.63
43.667	0.00	0.04	0.087	0					1.63
43.750	0.00	0.04	0.087	0					1.63
43.833	0.00	0.04	0.087	0					1.62
43.917	0.00	0.04	0.086	0					1.62
44.000	0.00	0.04	0.086	0					1.61
44.083	0.00	0.04	0.086	0					1.61
44.167	0.00	0.04	0.085	0					1.60
44.250	0.00	0.04	0.085	0					1.60
44.333	0.00	0.04	0.085	0					1.60
44.417	0.00	0.04	0.084	0					1.59
44.500	0.00	0.04	0.084	0					1.59
44.583	0.00	0.04	0.084	0					1.58
44.667	0.00	0.04	0.083	0					1.58
44.750	0.00	0.04	0.083	0					1.57
44.833	0.00	0.04	0.083	0					1.57
44.917	0.00	0.04	0.083	0					1.57
45.000	0.00	0.04	0.082	0					1.56
45.083	0.00	0.04	0.082	0					1.56
45.167	0.00	0.04	0.082	0					1.55
45.250	0.00	0.04	0.081	0					1.55
45.333	0.00	0.04	0.081	0					1.54
45.417	0.00	0.04	0.081	0					1.54
45.500	0.00	0.04	0.080	0					1.54
45.583	0.00	0.04	0.080	0					1.53
45.667	0.00	0.04	0.080	0					1.53
45.750	0.00	0.04	0.080	0					1.52
45.833	0.00	0.04	0.079	0					1.52
45.917	0.00	0.04	0.079	0					1.51
46.000	0.00	0.04	0.079	0					1.51
46.083	0.00	0.04	0.078	0					1.51
46.167	0.00	0.04	0.078	0					1.50
46.250	0.00	0.04	0.078	0					1.50
46.333	0.00	0.04	0.078	0					1.49
46.417	0.00	0.04	0.077	0					1.49
46.500	0.00	0.04	0.077	0					1.49
46.583	0.00	0.04	0.077	0					1.48
46.667	0.00	0.04	0.076	0					1.48
46.750	0.00	0.04	0.076	0					1.47
46.833	0.00	0.04	0.076	0					1.47
46.917	0.00	0.04	0.076	0					1.46
47.000	0.00	0.04	0.075	0					1.46
47.083	0.00	0.04	0.075	0					1.46
47.167	0.00	0.04	0.075	0					1.45
47.250	0.00	0.04	0.074	0					1.45
47.333	0.00	0.04	0.074	0					1.44
47.417	0.00	0.04	0.074	0					1.44
47.500	0.00	0.04	0.074	0					1.44
47.583	0.00	0.04	0.073	0					1.43
47.667	0.00	0.04	0.073	0					1.43

47.750	0.00	0.04	0.073	0					1.42
47.833	0.00	0.04	0.072	0					1.42
47.917	0.00	0.04	0.072	0					1.42
48.000	0.00	0.04	0.072	0					1.41
48.083	0.00	0.04	0.072	0					1.41
48.167	0.00	0.04	0.071	0					1.40
48.250	0.00	0.04	0.071	0					1.40
48.333	0.00	0.04	0.071	0					1.40
48.417	0.00	0.04	0.070	0					1.39
48.500	0.00	0.04	0.070	0					1.39
48.583	0.00	0.04	0.070	0					1.38
48.667	0.00	0.04	0.070	0					1.38
48.750	0.00	0.04	0.069	0					1.38
48.833	0.00	0.04	0.069	0					1.37
48.917	0.00	0.04	0.069	0					1.37
49.000	0.00	0.04	0.068	0					1.36
49.083	0.00	0.04	0.068	0					1.36
49.167	0.00	0.04	0.068	0					1.36
49.250	0.00	0.04	0.068	0					1.35
49.333	0.00	0.04	0.067	0					1.35
49.417	0.00	0.04	0.067	0					1.34
49.500	0.00	0.04	0.067	0					1.34
49.583	0.00	0.04	0.066	0					1.34
49.667	0.00	0.04	0.066	0					1.33
49.750	0.00	0.04	0.066	0					1.33
49.833	0.00	0.04	0.066	0					1.32
49.917	0.00	0.04	0.065	0					1.32
50.000	0.00	0.04	0.065	0					1.32
50.083	0.00	0.04	0.065	0					1.31
50.167	0.00	0.04	0.065	0					1.31
50.250	0.00	0.04	0.064	0					1.30
50.333	0.00	0.04	0.064	0					1.30
50.417	0.00	0.04	0.064	0					1.30
50.500	0.00	0.04	0.063	0					1.29
50.583	0.00	0.04	0.063	0					1.29
50.667	0.00	0.04	0.063	0					1.28
50.750	0.00	0.04	0.063	0					1.28
50.833	0.00	0.04	0.062	0					1.28
50.917	0.00	0.04	0.062	0					1.27
51.000	0.00	0.04	0.062	0					1.27
51.083	0.00	0.04	0.062	0					1.27
51.167	0.00	0.04	0.061	0					1.26
51.250	0.00	0.04	0.061	0					1.26
51.333	0.00	0.04	0.061	0					1.25
51.417	0.00	0.04	0.061	0					1.25
51.500	0.00	0.04	0.060	0					1.25
51.583	0.00	0.04	0.060	0					1.24
51.667	0.00	0.04	0.060	0					1.24
51.750	0.00	0.04	0.059	0					1.23
51.833	0.00	0.04	0.059	0					1.23

51.917	0.00	0.04	0.059	0					1.23
52.000	0.00	0.04	0.059	0					1.22
52.083	0.00	0.04	0.058	0					1.22
52.167	0.00	0.04	0.058	0					1.22
52.250	0.00	0.04	0.058	0					1.21
52.333	0.00	0.04	0.058	0					1.21
52.417	0.00	0.04	0.057	0					1.20
52.500	0.00	0.04	0.057	0					1.20
52.583	0.00	0.04	0.057	0					1.20
52.667	0.00	0.04	0.057	0					1.19
52.750	0.00	0.04	0.056	0					1.19
52.833	0.00	0.04	0.056	0					1.19
52.917	0.00	0.04	0.056	0					1.18
53.000	0.00	0.04	0.056	0					1.18
53.083	0.00	0.04	0.055	0					1.18
53.167	0.00	0.04	0.055	0					1.17
53.250	0.00	0.04	0.055	0					1.17
53.333	0.00	0.04	0.054	0					1.16
53.417	0.00	0.04	0.054	0					1.16
53.500	0.00	0.04	0.054	0					1.16
53.583	0.00	0.04	0.054	0					1.15
53.667	0.00	0.04	0.053	0					1.15
53.750	0.00	0.04	0.053	0					1.15
53.833	0.00	0.04	0.053	0					1.14
53.917	0.00	0.04	0.053	0					1.14
54.000	0.00	0.04	0.052	0					1.13
54.083	0.00	0.04	0.052	0					1.13
54.167	0.00	0.04	0.052	0					1.13
54.250	0.00	0.04	0.052	0					1.12
54.333	0.00	0.04	0.051	0					1.12
54.417	0.00	0.04	0.051	0					1.12
54.500	0.00	0.04	0.051	0					1.11
54.583	0.00	0.04	0.051	0					1.11
54.667	0.00	0.04	0.050	0					1.11
54.750	0.00	0.04	0.050	0					1.10
54.833	0.00	0.04	0.050	0					1.10
54.917	0.00	0.04	0.050	0					1.09
55.000	0.00	0.04	0.049	0					1.09
55.083	0.00	0.04	0.049	0					1.09
55.167	0.00	0.04	0.049	0					1.08
55.250	0.00	0.04	0.049	0					1.08
55.333	0.00	0.04	0.048	0					1.08
55.417	0.00	0.04	0.048	0					1.07
55.500	0.00	0.04	0.048	0					1.07
55.583	0.00	0.04	0.048	0					1.07
55.667	0.00	0.04	0.047	0					1.06
55.750	0.00	0.04	0.047	0					1.06
55.833	0.00	0.04	0.047	0					1.06
55.917	0.00	0.04	0.047	0					1.05
56.000	0.00	0.04	0.046	0					1.05

56.083	0.00	0.04	0.046	0					1.05
56.167	0.00	0.04	0.046	0					1.04
56.250	0.00	0.04	0.046	0					1.04
56.333	0.00	0.04	0.045	0					1.03
56.417	0.00	0.04	0.045	0					1.03
56.500	0.00	0.04	0.045	0					1.03
56.583	0.00	0.04	0.045	0					1.02
56.667	0.00	0.04	0.044	0					1.02
56.750	0.00	0.04	0.044	0					1.02
56.833	0.00	0.04	0.044	0					1.01
56.917	0.00	0.04	0.044	0					1.01
57.000	0.00	0.04	0.043	0					1.01
57.083	0.00	0.04	0.043	0					1.00
57.167	0.00	0.04	0.043	0					1.00
57.250	0.00	0.03	0.043	0					0.99
57.333	0.00	0.03	0.043	0					0.99
57.417	0.00	0.03	0.042	0					0.98
57.500	0.00	0.03	0.042	0					0.98
57.583	0.00	0.03	0.042	0					0.97
57.667	0.00	0.03	0.042	0					0.97
57.750	0.00	0.03	0.041	0					0.96
57.833	0.00	0.03	0.041	0					0.96
57.917	0.00	0.03	0.041	0					0.95
58.000	0.00	0.03	0.041	0					0.95
58.083	0.00	0.03	0.040	0					0.94
58.167	0.00	0.03	0.040	0					0.94
58.250	0.00	0.03	0.040	0					0.93
58.333	0.00	0.03	0.040	0					0.93
58.417	0.00	0.03	0.040	0					0.92
58.500	0.00	0.03	0.039	0					0.92
58.583	0.00	0.03	0.039	0					0.91
58.667	0.00	0.03	0.039	0					0.91
58.750	0.00	0.03	0.039	0					0.90
58.833	0.00	0.03	0.038	0					0.90
58.917	0.00	0.03	0.038	0					0.89
59.000	0.00	0.03	0.038	0					0.89
59.083	0.00	0.03	0.038	0					0.88
59.167	0.00	0.03	0.038	0					0.88
59.250	0.00	0.03	0.037	0					0.87
59.333	0.00	0.03	0.037	0					0.87
59.417	0.00	0.03	0.037	0					0.87
59.500	0.00	0.03	0.037	0					0.86
59.583	0.00	0.03	0.036	0					0.86
59.667	0.00	0.03	0.036	0					0.85
59.750	0.00	0.03	0.036	0					0.85
59.833	0.00	0.03	0.036	0					0.84
59.917	0.00	0.03	0.036	0					0.84
60.000	0.00	0.03	0.035	0					0.83
60.083	0.00	0.03	0.035	0					0.83
60.167	0.00	0.03	0.035	0					0.82

60.250	0.00	0.03	0.035	0					0.82
60.333	0.00	0.03	0.035	0					0.82
60.417	0.00	0.03	0.034	0					0.81
60.500	0.00	0.03	0.034	0					0.81
60.583	0.00	0.03	0.034	0					0.80
60.667	0.00	0.03	0.034	0					0.80
60.750	0.00	0.03	0.034	0					0.79
60.833	0.00	0.03	0.033	0					0.79
60.917	0.00	0.03	0.033	0					0.78
61.000	0.00	0.03	0.033	0					0.78
61.083	0.00	0.03	0.033	0					0.78
61.167	0.00	0.03	0.033	0					0.77
61.250	0.00	0.03	0.032	0					0.77
61.333	0.00	0.03	0.032	0					0.76
61.417	0.00	0.03	0.032	0					0.76
61.500	0.00	0.03	0.032	0					0.75
61.583	0.00	0.03	0.032	0					0.75
61.667	0.00	0.03	0.031	0					0.75
61.750	0.00	0.03	0.031	0					0.74
61.833	0.00	0.03	0.031	0					0.74
61.917	0.00	0.03	0.031	0					0.73
62.000	0.00	0.03	0.031	0					0.73
62.083	0.00	0.03	0.031	0					0.73
62.167	0.00	0.03	0.030	0					0.72
62.250	0.00	0.03	0.030	0					0.72
62.333	0.00	0.03	0.030	0					0.71
62.417	0.00	0.03	0.030	0					0.71
62.500	0.00	0.03	0.030	0					0.71
62.583	0.00	0.03	0.029	0					0.70
62.667	0.00	0.03	0.029	0					0.70
62.750	0.00	0.03	0.029	0					0.69
62.833	0.00	0.03	0.029	0					0.69
62.917	0.00	0.03	0.029	0					0.69
63.000	0.00	0.03	0.029	0					0.68
63.083	0.00	0.03	0.028	0					0.68
63.167	0.00	0.03	0.028	0					0.68
63.250	0.00	0.03	0.028	0					0.67
63.333	0.00	0.03	0.028	0					0.67
63.417	0.00	0.02	0.028	0					0.66
63.500	0.00	0.02	0.028	0					0.66
63.583	0.00	0.02	0.027	0					0.66
63.667	0.00	0.02	0.027	0					0.65
63.750	0.00	0.02	0.027	0					0.65
63.833	0.00	0.02	0.027	0					0.65
63.917	0.00	0.02	0.027	0					0.64
64.000	0.00	0.02	0.026	0					0.64
64.083	0.00	0.02	0.026	0					0.63
64.167	0.00	0.02	0.026	0					0.63
64.250	0.00	0.02	0.026	0					0.63
64.333	0.00	0.02	0.026	0					0.62

64.417	0.00	0.02	0.026	0					0.62
64.500	0.00	0.02	0.026	0					0.62
64.583	0.00	0.02	0.025	0					0.61
64.667	0.00	0.02	0.025	0					0.61
64.750	0.00	0.02	0.025	0					0.61
64.833	0.00	0.02	0.025	0					0.60
64.917	0.00	0.02	0.025	0					0.60
65.000	0.00	0.02	0.025	0					0.60
65.083	0.00	0.02	0.024	0					0.59
65.167	0.00	0.02	0.024	0					0.59
65.250	0.00	0.02	0.024	0					0.58
65.333	0.00	0.02	0.024	0					0.58
65.417	0.00	0.02	0.024	0					0.58
65.500	0.00	0.02	0.024	0					0.57
65.583	0.00	0.02	0.023	0					0.57
65.667	0.00	0.02	0.023	0					0.57
65.750	0.00	0.02	0.023	0					0.56
65.833	0.00	0.02	0.023	0					0.56
65.917	0.00	0.02	0.023	0					0.56
66.000	0.00	0.02	0.023	0					0.55
66.083	0.00	0.02	0.023	0					0.55
66.167	0.00	0.02	0.022	0					0.55
66.250	0.00	0.02	0.022	0					0.54
66.333	0.00	0.02	0.022	0					0.54
66.417	0.00	0.02	0.022	0					0.54
66.500	0.00	0.02	0.022	0					0.54
66.583	0.00	0.02	0.022	0					0.53
66.667	0.00	0.02	0.022	0					0.53
66.750	0.00	0.02	0.021	0					0.53
66.833	0.00	0.02	0.021	0					0.52
66.917	0.00	0.02	0.021	0					0.52
67.000	0.00	0.02	0.021	0					0.52
67.083	0.00	0.02	0.021	0					0.51
67.167	0.00	0.02	0.021	0					0.51
67.250	0.00	0.02	0.021	0					0.51
67.333	0.00	0.02	0.020	0					0.50
67.417	0.00	0.02	0.020	0					0.50
67.500	0.00	0.02	0.020	0					0.50
67.583	0.00	0.02	0.020	0					0.50
67.667	0.00	0.02	0.020	0					0.49
67.750	0.00	0.02	0.020	0					0.49
67.833	0.00	0.02	0.020	0					0.49
67.917	0.00	0.02	0.019	0					0.48
68.000	0.00	0.02	0.019	0					0.48
68.083	0.00	0.02	0.019	0					0.48
68.167	0.00	0.02	0.019	0					0.47
68.250	0.00	0.02	0.019	0					0.47
68.333	0.00	0.02	0.019	0					0.47
68.417	0.00	0.02	0.019	0					0.47
68.500	0.00	0.02	0.019	0					0.46

68.583	0.00	0.02	0.018	0					0.46
68.667	0.00	0.02	0.018	0					0.46
68.750	0.00	0.02	0.018	0					0.45
68.833	0.00	0.02	0.018	0					0.45
68.917	0.00	0.02	0.018	0					0.45
69.000	0.00	0.02	0.018	0					0.45
69.083	0.00	0.02	0.018	0					0.44
69.167	0.00	0.02	0.018	0					0.44
69.250	0.00	0.02	0.017	0					0.44
69.333	0.00	0.02	0.017	0					0.44
69.417	0.00	0.02	0.017	0					0.43
69.500	0.00	0.02	0.017	0					0.43
69.583	0.00	0.02	0.017	0					0.43
69.667	0.00	0.02	0.017	0					0.42
69.750	0.00	0.02	0.017	0					0.42
69.833	0.00	0.02	0.017	0					0.42
69.917	0.00	0.02	0.016	0					0.42
70.000	0.00	0.02	0.016	0					0.41
70.083	0.00	0.02	0.016	0					0.41
70.167	0.00	0.02	0.016	0					0.41
70.250	0.00	0.02	0.016	0					0.41
70.333	0.00	0.02	0.016	0					0.40
70.417	0.00	0.02	0.016	0					0.40
70.500	0.00	0.02	0.016	0					0.40
70.583	0.00	0.02	0.015	0					0.40
70.667	0.00	0.02	0.015	0					0.39
70.750	0.00	0.02	0.015	0					0.39
70.833	0.00	0.02	0.015	0					0.39
70.917	0.00	0.02	0.015	0					0.39
71.000	0.00	0.02	0.015	0					0.38
71.083	0.00	0.02	0.015	0					0.38
71.167	0.00	0.02	0.015	0					0.38
71.250	0.00	0.02	0.015	0					0.38
71.333	0.00	0.02	0.014	0					0.37
71.417	0.00	0.02	0.014	0					0.37
71.500	0.00	0.02	0.014	0					0.37
71.583	0.00	0.02	0.014	0					0.37
71.667	0.00	0.02	0.014	0					0.36
71.750	0.00	0.02	0.014	0					0.36
71.833	0.00	0.02	0.014	0					0.36
71.917	0.00	0.02	0.014	0					0.36
72.000	0.00	0.02	0.014	0					0.35
72.083	0.00	0.02	0.013	0					0.35
72.167	0.00	0.02	0.013	0					0.35
72.250	0.00	0.02	0.013	0					0.35
72.333	0.00	0.02	0.013	0					0.34
72.417	0.00	0.02	0.013	0					0.34
72.500	0.00	0.02	0.013	0					0.34
72.583	0.00	0.02	0.013	0					0.34
72.667	0.00	0.02	0.013	0					0.34

72.750	0.00	0.01	0.013	0					0.33
72.833	0.00	0.01	0.013	0					0.33
72.917	0.00	0.01	0.012	0					0.33
73.000	0.00	0.01	0.012	0					0.33
73.083	0.00	0.01	0.012	0					0.32
73.167	0.00	0.01	0.012	0					0.32
73.250	0.00	0.01	0.012	0					0.32
73.333	0.00	0.01	0.012	0					0.32
73.417	0.00	0.01	0.012	0					0.32
73.500	0.00	0.01	0.012	0					0.31
73.583	0.00	0.01	0.012	0					0.31
73.667	0.00	0.01	0.012	0					0.31
73.750	0.00	0.01	0.011	0					0.31
73.833	0.00	0.01	0.011	0					0.30
73.917	0.00	0.01	0.011	0					0.30
74.000	0.00	0.01	0.011	0					0.30
74.083	0.00	0.01	0.011	0					0.30
74.167	0.00	0.01	0.011	0					0.30
74.250	0.00	0.01	0.011	0					0.29
74.333	0.00	0.01	0.011	0					0.29
74.417	0.00	0.01	0.011	0					0.29
74.500	0.00	0.01	0.011	0					0.29
74.583	0.00	0.01	0.010	0					0.29
74.667	0.00	0.01	0.010	0					0.28
74.750	0.00	0.01	0.010	0					0.28
74.833	0.00	0.01	0.010	0					0.28
74.917	0.00	0.01	0.010	0					0.28
75.000	0.00	0.01	0.010	0					0.28
75.083	0.00	0.01	0.010	0					0.27
75.167	0.00	0.01	0.010	0					0.27
75.250	0.00	0.01	0.010	0					0.27
75.333	0.00	0.01	0.010	0					0.27
75.417	0.00	0.01	0.010	0					0.27
75.500	0.00	0.01	0.009	0					0.26
75.583	0.00	0.01	0.009	0					0.26
75.667	0.00	0.01	0.009	0					0.26
75.750	0.00	0.01	0.009	0					0.26
75.833	0.00	0.01	0.009	0					0.26
75.917	0.00	0.01	0.009	0					0.25
76.000	0.00	0.01	0.009	0					0.25
76.083	0.00	0.01	0.009	0					0.25
76.167	0.00	0.01	0.009	0					0.25
76.250	0.00	0.01	0.009	0					0.25
76.333	0.00	0.01	0.009	0					0.24
76.417	0.00	0.01	0.008	0					0.24
76.500	0.00	0.01	0.008	0					0.24
76.583	0.00	0.01	0.008	0					0.24
76.667	0.00	0.01	0.008	0					0.24
76.750	0.00	0.01	0.008	0					0.24
76.833	0.00	0.01	0.008	0					0.23

76.917	0.00	0.01	0.008	0					0.23
77.000	0.00	0.01	0.008	0					0.23
77.083	0.00	0.01	0.008	0					0.23
77.167	0.00	0.01	0.008	0					0.23
77.250	0.00	0.01	0.008	0					0.22
77.333	0.00	0.01	0.008	0					0.22
77.417	0.00	0.01	0.008	0					0.22
77.500	0.00	0.01	0.007	0					0.22
77.583	0.00	0.01	0.007	0					0.22
77.667	0.00	0.01	0.007	0					0.22
77.750	0.00	0.01	0.007	0					0.21
77.833	0.00	0.01	0.007	0					0.21
77.917	0.00	0.01	0.007	0					0.21
78.000	0.00	0.01	0.007	0					0.21
78.083	0.00	0.01	0.007	0					0.21
78.167	0.00	0.01	0.007	0					0.21
78.250	0.00	0.01	0.007	0					0.20
78.333	0.00	0.01	0.007	0					0.20
78.417	0.00	0.01	0.007	0					0.20
78.500	0.00	0.01	0.006	0					0.20
78.583	0.00	0.01	0.006	0					0.20
78.667	0.00	0.01	0.006	0					0.20
78.750	0.00	0.01	0.006	0					0.19
78.833	0.00	0.01	0.006	0					0.19
78.917	0.00	0.01	0.006	0					0.19
79.000	0.00	0.01	0.006	0					0.19
79.083	0.00	0.01	0.006	0					0.19
79.167	0.00	0.01	0.006	0					0.19
79.250	0.00	0.01	0.006	0					0.18
79.333	0.00	0.01	0.006	0					0.18
79.417	0.00	0.01	0.006	0					0.18
79.500	0.00	0.01	0.006	0					0.18
79.583	0.00	0.01	0.006	0					0.18
79.667	0.00	0.01	0.005	0					0.18
79.750	0.00	0.01	0.005	0					0.17
79.833	0.00	0.01	0.005	0					0.17
79.917	0.00	0.01	0.005	0					0.17
80.000	0.00	0.01	0.005	0					0.17
80.083	0.00	0.01	0.005	0					0.17
80.167	0.00	0.01	0.005	0					0.17
80.250	0.00	0.01	0.005	0					0.17
80.333	0.00	0.01	0.005	0					0.16
80.417	0.00	0.01	0.005	0					0.16
80.500	0.00	0.01	0.005	0					0.16
80.583	0.00	0.01	0.005	0					0.16
80.667	0.00	0.01	0.005	0					0.16
80.750	0.00	0.01	0.005	0					0.16
80.833	0.00	0.01	0.005	0					0.16
80.917	0.00	0.01	0.004	0					0.15
81.000	0.00	0.01	0.004	0					0.15

81.083	0.00	0.01	0.004	0					0.15
81.167	0.00	0.01	0.004	0					0.15
81.250	0.00	0.01	0.004	0					0.15
81.333	0.00	0.01	0.004	0					0.15
81.417	0.00	0.01	0.004	0					0.15
81.500	0.00	0.01	0.004	0					0.14
81.583	0.00	0.01	0.004	0					0.14
81.667	0.00	0.01	0.004	0					0.14
81.750	0.00	0.01	0.004	0					0.14
81.833	0.00	0.01	0.004	0					0.14
81.917	0.00	0.01	0.004	0					0.14
82.000	0.00	0.01	0.004	0					0.14
82.083	0.00	0.01	0.004	0					0.13
82.167	0.00	0.01	0.003	0					0.13
82.250	0.00	0.01	0.003	0					0.13
82.333	0.00	0.01	0.003	0					0.13
82.417	0.00	0.01	0.003	0					0.13
82.500	0.00	0.01	0.003	0					0.13
82.583	0.00	0.01	0.003	0					0.13
82.667	0.00	0.01	0.003	0					0.12
82.750	0.00	0.01	0.003	0					0.12
82.833	0.00	0.01	0.003	0					0.12
82.917	0.00	0.01	0.003	0					0.12
83.000	0.00	0.01	0.003	0					0.12
83.083	0.00	0.01	0.003	0					0.12
83.167	0.00	0.01	0.003	0					0.12
83.250	0.00	0.01	0.003	0					0.12
83.333	0.00	0.01	0.003	0					0.11
83.417	0.00	0.01	0.003	0					0.11
83.500	0.00	0.01	0.003	0					0.11
83.583	0.00	0.01	0.002	0					0.11
83.667	0.00	0.01	0.002	0					0.11
83.750	0.00	0.01	0.002	0					0.11
83.833	0.00	0.01	0.002	0					0.11
83.917	0.00	0.01	0.002	0					0.11
84.000	0.00	0.01	0.002	0					0.10
84.083	0.00	0.01	0.002	0					0.10
84.167	0.00	0.01	0.002	0					0.10
84.250	0.00	0.01	0.002	0					0.10
84.333	0.00	0.01	0.002	0					0.10
84.417	0.00	0.01	0.002	0					0.10
84.500	0.00	0.01	0.002	0					0.09
84.583	0.00	0.01	0.002	0					0.09
84.667	0.00	0.01	0.002	0					0.09
84.750	0.00	0.01	0.002	0					0.09
84.833	0.00	0.01	0.002	0					0.08
84.917	0.00	0.01	0.002	0					0.08
85.000	0.00	0.01	0.002	0					0.08
85.083	0.00	0.01	0.002	0					0.08
85.167	0.00	0.01	0.001	0					0.07

85.250	0.00	0.01	0.001	0					0.07
85.333	0.00	0.01	0.001	0					0.07
85.417	0.00	0.01	0.001	0					0.07
85.500	0.00	0.01	0.001	0					0.07
85.583	0.00	0.01	0.001	0					0.07
85.667	0.00	0.01	0.001	0					0.06
85.750	0.00	0.00	0.001	0					0.06
85.833	0.00	0.00	0.001	0					0.06
85.917	0.00	0.00	0.001	0					0.06
86.000	0.00	0.00	0.001	0					0.06
86.083	0.00	0.00	0.001	0					0.06
86.167	0.00	0.00	0.001	0					0.05
86.250	0.00	0.00	0.001	0					0.05
86.333	0.00	0.00	0.001	0					0.05
86.417	0.00	0.00	0.001	0					0.05
86.500	0.00	0.00	0.001	0					0.05
86.583	0.00	0.00	0.001	0					0.05
86.667	0.00	0.00	0.001	0					0.05
86.750	0.00	0.00	0.001	0					0.04
86.833	0.00	0.00	0.001	0					0.04
86.917	0.00	0.00	0.001	0					0.04
87.000	0.00	0.00	0.001	0					0.04
87.083	0.00	0.00	0.001	0					0.04
87.167	0.00	0.00	0.001	0					0.04
87.250	0.00	0.00	0.001	0					0.04
87.333	0.00	0.00	0.001	0					0.04
87.417	0.00	0.00	0.001	0					0.04
87.500	0.00	0.00	0.001	0					0.03
87.583	0.00	0.00	0.001	0					0.03
87.667	0.00	0.00	0.001	0					0.03
87.750	0.00	0.00	0.001	0					0.03
87.833	0.00	0.00	0.001	0					0.03
87.917	0.00	0.00	0.001	0					0.03
88.000	0.00	0.00	0.001	0					0.03
88.083	0.00	0.00	0.001	0					0.03
88.167	0.00	0.00	0.001	0					0.03
88.250	0.00	0.00	0.001	0					0.03
88.333	0.00	0.00	0.001	0					0.03
88.417	0.00	0.00	0.001	0					0.03
88.500	0.00	0.00	0.000	0					0.02
88.583	0.00	0.00	0.000	0					0.02
88.667	0.00	0.00	0.000	0					0.02
88.750	0.00	0.00	0.000	0					0.02
88.833	0.00	0.00	0.000	0					0.02
88.917	0.00	0.00	0.000	0					0.02
89.000	0.00	0.00	0.000	0					0.02
89.083	0.00	0.00	0.000	0					0.02
89.167	0.00	0.00	0.000	0					0.02
89.250	0.00	0.00	0.000	0					0.02
89.333	0.00	0.00	0.000	0					0.02

89.417	0.00	0.00	0.000	0					0.02
89.500	0.00	0.00	0.000	0					0.02
89.583	0.00	0.00	0.000	0					0.02
89.667	0.00	0.00	0.000	0					0.02
89.750	0.00	0.00	0.000	0					0.02
89.833	0.00	0.00	0.000	0					0.02
89.917	0.00	0.00	0.000	0					0.02
90.000	0.00	0.00	0.000	0					0.02
90.083	0.00	0.00	0.000	0					0.01
90.167	0.00	0.00	0.000	0					0.01
90.250	0.00	0.00	0.000	0					0.01
90.333	0.00	0.00	0.000	0					0.01
90.417	0.00	0.00	0.000	0					0.01
90.500	0.00	0.00	0.000	0					0.01
90.583	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1087

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.069 (CFS)

Total volume = 0.285 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
5 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da335.rte
*****HYDROGRAPH DATA*****
Number of intervals = 37
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.678 (CFS)
Total volume = 0.211 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 37
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.7	1.34	2.01	2.68	Depth (Ft.)
0.083	0.26	0.00	0.001	0 I					0.04
0.167	0.39	0.01	0.003	0 I					0.12
0.250	0.35	0.01	0.006	0 I					0.18
0.333	0.41	0.01	0.008	0 I					0.23
0.417	0.45	0.01	0.011	0 I					0.29
0.500	0.51	0.02	0.014	0 I					0.36
0.583	0.48	0.02	0.017	0 I					0.44
0.667	0.51	0.02	0.021	0 I					0.51
0.750	0.53	0.02	0.024	0 I					0.58
0.833	0.48	0.02	0.027	0 I					0.66
0.917	0.47	0.03	0.030	0 I					0.72
1.000	0.52	0.03	0.034	0 I					0.79
1.083	0.61	0.03	0.037	0 I					0.87
1.167	0.65	0.03	0.041	0 I					0.96
1.250	0.65	0.04	0.046	0 I					1.04
1.333	0.61	0.04	0.050	0 I					1.10
1.417	0.71	0.04	0.054	0 I					1.16
1.500	0.79	0.04	0.059	0 I					1.23
1.583	0.74	0.04	0.064	0 I					1.30
1.667	0.77	0.04	0.069	0 I					1.37
1.750	0.92	0.04	0.075	0 I					1.45
1.833	0.94	0.04	0.081	0 I					1.54

1.917	0.88	0.04	0.087	0		I					1.62
2.000	0.88	0.05	0.092	0		I					1.71
2.083	0.91	0.05	0.098	0		I					1.79
2.167	1.14	0.05	0.105	0			I				1.89
2.250	1.42	0.05	0.113	0				I			2.01
2.333	1.20	0.05	0.122	0			I				2.11
2.417	1.84	0.05	0.132	0				I			2.23
2.500	2.37	0.05	0.146	0					I		2.40
2.583	2.68	0.06	0.163	0						I	2.61
2.667	2.18	0.06	0.180	0					I		2.80
2.750	1.02	0.06	0.190	0		I					2.93
2.833	0.55	0.06	0.195	0	I						2.99
2.917	0.53	0.06	0.199	0	I						3.03
3.000	0.30	0.06	0.201	0	I						3.06
3.083	0.06	0.06	0.202	0							3.07
3.167	0.00	0.06	0.202	0							3.07
3.250	0.00	0.06	0.201	0							3.06
3.333	0.00	0.06	0.201	0							3.06
3.417	0.00	0.06	0.200	0							3.05
3.500	0.00	0.06	0.200	0							3.05
3.583	0.00	0.06	0.200	0							3.04
3.667	0.00	0.06	0.199	0							3.04
3.750	0.00	0.06	0.199	0							3.03
3.833	0.00	0.06	0.198	0							3.03
3.917	0.00	0.06	0.198	0							3.02
4.000	0.00	0.06	0.197	0							3.02
4.083	0.00	0.06	0.197	0							3.01
4.167	0.00	0.06	0.197	0							3.01
4.250	0.00	0.06	0.196	0							3.00
4.333	0.00	0.06	0.196	0							3.00
4.417	0.00	0.06	0.195	0							2.99
4.500	0.00	0.06	0.195	0							2.99
4.583	0.00	0.06	0.194	0							2.98
4.667	0.00	0.06	0.194	0							2.98
4.750	0.00	0.06	0.194	0							2.97
4.833	0.00	0.06	0.193	0							2.97
4.917	0.00	0.06	0.193	0							2.96
5.000	0.00	0.06	0.192	0							2.96
5.083	0.00	0.06	0.192	0							2.95
5.167	0.00	0.06	0.192	0							2.95
5.250	0.00	0.06	0.191	0							2.94
5.333	0.00	0.06	0.191	0							2.94
5.417	0.00	0.06	0.190	0							2.93
5.500	0.00	0.06	0.190	0							2.93
5.583	0.00	0.06	0.189	0							2.92
5.667	0.00	0.06	0.189	0							2.92
5.750	0.00	0.06	0.189	0							2.91
5.833	0.00	0.06	0.188	0							2.91
5.917	0.00	0.06	0.188	0							2.90
6.000	0.00	0.06	0.187	0							2.90

6.083	0.00	0.06	0.187	0					2.89
6.167	0.00	0.06	0.187	0					2.89
6.250	0.00	0.06	0.186	0					2.88
6.333	0.00	0.06	0.186	0					2.88
6.417	0.00	0.06	0.185	0					2.87
6.500	0.00	0.06	0.185	0					2.87
6.583	0.00	0.06	0.185	0					2.86
6.667	0.00	0.06	0.184	0					2.86
6.750	0.00	0.06	0.184	0					2.85
6.833	0.00	0.06	0.183	0					2.85
6.917	0.00	0.06	0.183	0					2.84
7.000	0.00	0.06	0.182	0					2.84
7.083	0.00	0.06	0.182	0					2.83
7.167	0.00	0.06	0.182	0					2.83
7.250	0.00	0.06	0.181	0					2.82
7.333	0.00	0.06	0.181	0					2.82
7.417	0.00	0.06	0.180	0					2.81
7.500	0.00	0.06	0.180	0					2.81
7.583	0.00	0.06	0.180	0					2.80
7.667	0.00	0.06	0.179	0					2.80
7.750	0.00	0.06	0.179	0					2.79
7.833	0.00	0.06	0.178	0					2.79
7.917	0.00	0.06	0.178	0					2.78
8.000	0.00	0.06	0.178	0					2.78
8.083	0.00	0.06	0.177	0					2.77
8.167	0.00	0.06	0.177	0					2.77
8.250	0.00	0.06	0.176	0					2.76
8.333	0.00	0.06	0.176	0					2.76
8.417	0.00	0.06	0.176	0					2.75
8.500	0.00	0.06	0.175	0					2.75
8.583	0.00	0.06	0.175	0					2.74
8.667	0.00	0.06	0.174	0					2.74
8.750	0.00	0.06	0.174	0					2.74
8.833	0.00	0.06	0.174	0					2.73
8.917	0.00	0.06	0.173	0					2.73
9.000	0.00	0.06	0.173	0					2.72
9.083	0.00	0.06	0.172	0					2.72
9.167	0.00	0.06	0.172	0					2.71
9.250	0.00	0.06	0.172	0					2.71
9.333	0.00	0.06	0.171	0					2.70
9.417	0.00	0.06	0.171	0					2.70
9.500	0.00	0.06	0.170	0					2.69
9.583	0.00	0.06	0.170	0					2.69
9.667	0.00	0.06	0.170	0					2.68
9.750	0.00	0.06	0.169	0					2.68
9.833	0.00	0.06	0.169	0					2.67
9.917	0.00	0.06	0.168	0					2.67
10.000	0.00	0.06	0.168	0					2.66
10.083	0.00	0.06	0.168	0					2.66
10.167	0.00	0.06	0.167	0					2.65

10.250	0.00	0.06	0.167	0					2.65
10.333	0.00	0.06	0.166	0					2.64
10.417	0.00	0.06	0.166	0					2.64
10.500	0.00	0.06	0.166	0					2.63
10.583	0.00	0.06	0.165	0					2.63
10.667	0.00	0.06	0.165	0					2.63
10.750	0.00	0.06	0.165	0					2.62
10.833	0.00	0.06	0.164	0					2.62
10.917	0.00	0.06	0.164	0					2.61
11.000	0.00	0.06	0.163	0					2.61
11.083	0.00	0.06	0.163	0					2.60
11.167	0.00	0.06	0.163	0					2.60
11.250	0.00	0.06	0.162	0					2.59
11.333	0.00	0.06	0.162	0					2.59
11.417	0.00	0.06	0.161	0					2.58
11.500	0.00	0.06	0.161	0					2.58
11.583	0.00	0.06	0.161	0					2.57
11.667	0.00	0.06	0.160	0					2.57
11.750	0.00	0.06	0.160	0					2.56
11.833	0.00	0.06	0.159	0					2.56
11.917	0.00	0.06	0.159	0					2.56
12.000	0.00	0.06	0.159	0					2.55
12.083	0.00	0.06	0.158	0					2.55
12.167	0.00	0.06	0.158	0					2.54
12.250	0.00	0.06	0.158	0					2.54
12.333	0.00	0.06	0.157	0					2.53
12.417	0.00	0.06	0.157	0					2.53
12.500	0.00	0.06	0.156	0					2.52
12.583	0.00	0.06	0.156	0					2.52
12.667	0.00	0.06	0.156	0					2.51
12.750	0.00	0.06	0.155	0					2.51
12.833	0.00	0.06	0.155	0					2.50
12.917	0.00	0.06	0.154	0					2.50
13.000	0.00	0.06	0.154	0					2.49
13.083	0.00	0.06	0.154	0					2.49
13.167	0.00	0.06	0.153	0					2.49
13.250	0.00	0.06	0.153	0					2.48
13.333	0.00	0.06	0.153	0					2.48
13.417	0.00	0.06	0.152	0					2.47
13.500	0.00	0.06	0.152	0					2.47
13.583	0.00	0.06	0.151	0					2.46
13.667	0.00	0.06	0.151	0					2.46
13.750	0.00	0.05	0.151	0					2.45
13.833	0.00	0.05	0.150	0					2.45
13.917	0.00	0.05	0.150	0					2.44
14.000	0.00	0.05	0.150	0					2.44
14.083	0.00	0.05	0.149	0					2.44
14.167	0.00	0.05	0.149	0					2.43
14.250	0.00	0.05	0.148	0					2.43
14.333	0.00	0.05	0.148	0					2.42

14.417	0.00	0.05	0.148	0					2.42
14.500	0.00	0.05	0.147	0					2.41
14.583	0.00	0.05	0.147	0					2.41
14.667	0.00	0.05	0.147	0					2.40
14.750	0.00	0.05	0.146	0					2.40
14.833	0.00	0.05	0.146	0					2.39
14.917	0.00	0.05	0.145	0					2.39
15.000	0.00	0.05	0.145	0					2.39
15.083	0.00	0.05	0.145	0					2.38
15.167	0.00	0.05	0.144	0					2.38
15.250	0.00	0.05	0.144	0					2.37
15.333	0.00	0.05	0.144	0					2.37
15.417	0.00	0.05	0.143	0					2.36
15.500	0.00	0.05	0.143	0					2.36
15.583	0.00	0.05	0.142	0					2.35
15.667	0.00	0.05	0.142	0					2.35
15.750	0.00	0.05	0.142	0					2.35
15.833	0.00	0.05	0.141	0					2.34
15.917	0.00	0.05	0.141	0					2.34
16.000	0.00	0.05	0.141	0					2.33
16.083	0.00	0.05	0.140	0					2.33
16.167	0.00	0.05	0.140	0					2.32
16.250	0.00	0.05	0.139	0					2.32
16.333	0.00	0.05	0.139	0					2.31
16.417	0.00	0.05	0.139	0					2.31
16.500	0.00	0.05	0.138	0					2.31
16.583	0.00	0.05	0.138	0					2.30
16.667	0.00	0.05	0.138	0					2.30
16.750	0.00	0.05	0.137	0					2.29
16.833	0.00	0.05	0.137	0					2.29
16.917	0.00	0.05	0.137	0					2.28
17.000	0.00	0.05	0.136	0					2.28
17.083	0.00	0.05	0.136	0					2.27
17.167	0.00	0.05	0.135	0					2.27
17.250	0.00	0.05	0.135	0					2.27
17.333	0.00	0.05	0.135	0					2.26
17.417	0.00	0.05	0.134	0					2.26
17.500	0.00	0.05	0.134	0					2.25
17.583	0.00	0.05	0.134	0					2.25
17.667	0.00	0.05	0.133	0					2.24
17.750	0.00	0.05	0.133	0					2.24
17.833	0.00	0.05	0.133	0					2.24
17.917	0.00	0.05	0.132	0					2.23
18.000	0.00	0.05	0.132	0					2.23
18.083	0.00	0.05	0.131	0					2.22
18.167	0.00	0.05	0.131	0					2.22
18.250	0.00	0.05	0.131	0					2.21
18.333	0.00	0.05	0.130	0					2.21
18.417	0.00	0.05	0.130	0					2.20
18.500	0.00	0.05	0.130	0					2.20

18.583	0.00	0.05	0.129	0					2.20
18.667	0.00	0.05	0.129	0					2.19
18.750	0.00	0.05	0.129	0					2.19
18.833	0.00	0.05	0.128	0					2.18
18.917	0.00	0.05	0.128	0					2.18
19.000	0.00	0.05	0.127	0					2.17
19.083	0.00	0.05	0.127	0					2.17
19.167	0.00	0.05	0.127	0					2.17
19.250	0.00	0.05	0.126	0					2.16
19.333	0.00	0.05	0.126	0					2.16
19.417	0.00	0.05	0.126	0					2.15
19.500	0.00	0.05	0.125	0					2.15
19.583	0.00	0.05	0.125	0					2.14
19.667	0.00	0.05	0.125	0					2.14
19.750	0.00	0.05	0.124	0					2.14
19.833	0.00	0.05	0.124	0					2.13
19.917	0.00	0.05	0.124	0					2.13
20.000	0.00	0.05	0.123	0					2.12
20.083	0.00	0.05	0.123	0					2.12
20.167	0.00	0.05	0.122	0					2.11
20.250	0.00	0.05	0.122	0					2.11
20.333	0.00	0.05	0.122	0					2.11
20.417	0.00	0.05	0.121	0					2.10
20.500	0.00	0.05	0.121	0					2.10
20.583	0.00	0.05	0.121	0					2.09
20.667	0.00	0.05	0.120	0					2.09
20.750	0.00	0.05	0.120	0					2.08
20.833	0.00	0.05	0.120	0					2.08
20.917	0.00	0.05	0.119	0					2.08
21.000	0.00	0.05	0.119	0					2.07
21.083	0.00	0.05	0.119	0					2.07
21.167	0.00	0.05	0.118	0					2.06
21.250	0.00	0.05	0.118	0					2.06
21.333	0.00	0.05	0.118	0					2.06
21.417	0.00	0.05	0.117	0					2.05
21.500	0.00	0.05	0.117	0					2.05
21.583	0.00	0.05	0.117	0					2.04
21.667	0.00	0.05	0.116	0					2.04
21.750	0.00	0.05	0.116	0					2.03
21.833	0.00	0.05	0.115	0					2.03
21.917	0.00	0.05	0.115	0					2.03
22.000	0.00	0.05	0.115	0					2.02
22.083	0.00	0.05	0.114	0					2.02
22.167	0.00	0.05	0.114	0					2.01
22.250	0.00	0.05	0.114	0					2.01
22.333	0.00	0.05	0.113	0					2.01
22.417	0.00	0.05	0.113	0					2.00
22.500	0.00	0.05	0.113	0					2.00
22.583	0.00	0.05	0.112	0					1.99
22.667	0.00	0.05	0.112	0					1.99

22.750	0.00	0.05	0.112	0					1.98
22.833	0.00	0.05	0.111	0					1.98
22.917	0.00	0.05	0.111	0					1.97
23.000	0.00	0.05	0.111	0					1.97
23.083	0.00	0.05	0.110	0					1.96
23.167	0.00	0.05	0.110	0					1.96
23.250	0.00	0.05	0.110	0					1.95
23.333	0.00	0.05	0.109	0					1.95
23.417	0.00	0.05	0.109	0					1.94
23.500	0.00	0.05	0.109	0					1.94
23.583	0.00	0.05	0.108	0					1.93
23.667	0.00	0.05	0.108	0					1.93
23.750	0.00	0.05	0.108	0					1.92
23.833	0.00	0.05	0.107	0					1.92
23.917	0.00	0.05	0.107	0					1.91
24.000	0.00	0.05	0.107	0					1.91
24.083	0.00	0.05	0.106	0					1.90
24.167	0.00	0.05	0.106	0					1.90
24.250	0.00	0.05	0.106	0					1.89
24.333	0.00	0.05	0.105	0					1.89
24.417	0.00	0.05	0.105	0					1.89
24.500	0.00	0.05	0.105	0					1.88
24.583	0.00	0.05	0.104	0					1.88
24.667	0.00	0.05	0.104	0					1.87
24.750	0.00	0.05	0.104	0					1.87
24.833	0.00	0.05	0.103	0					1.86
24.917	0.00	0.05	0.103	0					1.86
25.000	0.00	0.05	0.103	0					1.85
25.083	0.00	0.05	0.102	0					1.85
25.167	0.00	0.05	0.102	0					1.84
25.250	0.00	0.05	0.102	0					1.84
25.333	0.00	0.05	0.101	0					1.83
25.417	0.00	0.05	0.101	0					1.83
25.500	0.00	0.05	0.101	0					1.82
25.583	0.00	0.05	0.100	0					1.82
25.667	0.00	0.05	0.100	0					1.81
25.750	0.00	0.05	0.100	0					1.81
25.833	0.00	0.05	0.099	0					1.81
25.917	0.00	0.05	0.099	0					1.80
26.000	0.00	0.05	0.099	0					1.80
26.083	0.00	0.05	0.098	0					1.79
26.167	0.00	0.05	0.098	0					1.79
26.250	0.00	0.05	0.098	0					1.78
26.333	0.00	0.05	0.097	0					1.78
26.417	0.00	0.05	0.097	0					1.77
26.500	0.00	0.05	0.097	0					1.77
26.583	0.00	0.05	0.096	0					1.76
26.667	0.00	0.05	0.096	0					1.76
26.750	0.00	0.05	0.096	0					1.75
26.833	0.00	0.05	0.096	0					1.75

26.917	0.00	0.05	0.095	0					1.75
27.000	0.00	0.05	0.095	0					1.74
27.083	0.00	0.05	0.095	0					1.74
27.167	0.00	0.05	0.094	0					1.73
27.250	0.00	0.05	0.094	0					1.73
27.333	0.00	0.05	0.094	0					1.72
27.417	0.00	0.05	0.093	0					1.72
27.500	0.00	0.05	0.093	0					1.71
27.583	0.00	0.05	0.093	0					1.71
27.667	0.00	0.05	0.092	0					1.71
27.750	0.00	0.05	0.092	0					1.70
27.833	0.00	0.05	0.092	0					1.70
27.917	0.00	0.05	0.091	0					1.69
28.000	0.00	0.05	0.091	0					1.69
28.083	0.00	0.05	0.091	0					1.68
28.167	0.00	0.05	0.090	0					1.68
28.250	0.00	0.05	0.090	0					1.67
28.333	0.00	0.05	0.090	0					1.67
28.417	0.00	0.04	0.090	0					1.66
28.500	0.00	0.04	0.089	0					1.66
28.583	0.00	0.04	0.089	0					1.66
28.667	0.00	0.04	0.089	0					1.65
28.750	0.00	0.04	0.088	0					1.65
28.833	0.00	0.04	0.088	0					1.64
28.917	0.00	0.04	0.088	0					1.64
29.000	0.00	0.04	0.087	0					1.63
29.083	0.00	0.04	0.087	0					1.63
29.167	0.00	0.04	0.087	0					1.63
29.250	0.00	0.04	0.086	0					1.62
29.333	0.00	0.04	0.086	0					1.62
29.417	0.00	0.04	0.086	0					1.61
29.500	0.00	0.04	0.086	0					1.61
29.583	0.00	0.04	0.085	0					1.60
29.667	0.00	0.04	0.085	0					1.60
29.750	0.00	0.04	0.085	0					1.60
29.833	0.00	0.04	0.084	0					1.59
29.917	0.00	0.04	0.084	0					1.59
30.000	0.00	0.04	0.084	0					1.58
30.083	0.00	0.04	0.083	0					1.58
30.167	0.00	0.04	0.083	0					1.57
30.250	0.00	0.04	0.083	0					1.57
30.333	0.00	0.04	0.083	0					1.56
30.417	0.00	0.04	0.082	0					1.56
30.500	0.00	0.04	0.082	0					1.56
30.583	0.00	0.04	0.082	0					1.55
30.667	0.00	0.04	0.081	0					1.55
30.750	0.00	0.04	0.081	0					1.54
30.833	0.00	0.04	0.081	0					1.54
30.917	0.00	0.04	0.080	0					1.54
31.000	0.00	0.04	0.080	0					1.53

31.083	0.00	0.04	0.080	0					1.53
31.167	0.00	0.04	0.080	0					1.52
31.250	0.00	0.04	0.079	0					1.52
31.333	0.00	0.04	0.079	0					1.51
31.417	0.00	0.04	0.079	0					1.51
31.500	0.00	0.04	0.078	0					1.51
31.583	0.00	0.04	0.078	0					1.50
31.667	0.00	0.04	0.078	0					1.50
31.750	0.00	0.04	0.078	0					1.49
31.833	0.00	0.04	0.077	0					1.49
31.917	0.00	0.04	0.077	0					1.48
32.000	0.00	0.04	0.077	0					1.48
32.083	0.00	0.04	0.076	0					1.48
32.167	0.00	0.04	0.076	0					1.47
32.250	0.00	0.04	0.076	0					1.47
32.333	0.00	0.04	0.075	0					1.46
32.417	0.00	0.04	0.075	0					1.46
32.500	0.00	0.04	0.075	0					1.46
32.583	0.00	0.04	0.075	0					1.45
32.667	0.00	0.04	0.074	0					1.45
32.750	0.00	0.04	0.074	0					1.44
32.833	0.00	0.04	0.074	0					1.44
32.917	0.00	0.04	0.073	0					1.44
33.000	0.00	0.04	0.073	0					1.43
33.083	0.00	0.04	0.073	0					1.43
33.167	0.00	0.04	0.073	0					1.42
33.250	0.00	0.04	0.072	0					1.42
33.333	0.00	0.04	0.072	0					1.41
33.417	0.00	0.04	0.072	0					1.41
33.500	0.00	0.04	0.071	0					1.41
33.583	0.00	0.04	0.071	0					1.40
33.667	0.00	0.04	0.071	0					1.40
33.750	0.00	0.04	0.071	0					1.39
33.833	0.00	0.04	0.070	0					1.39
33.917	0.00	0.04	0.070	0					1.39
34.000	0.00	0.04	0.070	0					1.38
34.083	0.00	0.04	0.070	0					1.38
34.167	0.00	0.04	0.069	0					1.37
34.250	0.00	0.04	0.069	0					1.37
34.333	0.00	0.04	0.069	0					1.37
34.417	0.00	0.04	0.068	0					1.36
34.500	0.00	0.04	0.068	0					1.36
34.583	0.00	0.04	0.068	0					1.35
34.667	0.00	0.04	0.068	0					1.35
34.750	0.00	0.04	0.067	0					1.35
34.833	0.00	0.04	0.067	0					1.34
34.917	0.00	0.04	0.067	0					1.34
35.000	0.00	0.04	0.066	0					1.34
35.083	0.00	0.04	0.066	0					1.33
35.167	0.00	0.04	0.066	0					1.33

35.250	0.00	0.04	0.066	0					1.32
35.333	0.00	0.04	0.065	0					1.32
35.417	0.00	0.04	0.065	0					1.32
35.500	0.00	0.04	0.065	0					1.31
35.583	0.00	0.04	0.065	0					1.31
35.667	0.00	0.04	0.064	0					1.30
35.750	0.00	0.04	0.064	0					1.30
35.833	0.00	0.04	0.064	0					1.30
35.917	0.00	0.04	0.063	0					1.29
36.000	0.00	0.04	0.063	0					1.29
36.083	0.00	0.04	0.063	0					1.28
36.167	0.00	0.04	0.063	0					1.28
36.250	0.00	0.04	0.062	0					1.28
36.333	0.00	0.04	0.062	0					1.27
36.417	0.00	0.04	0.062	0					1.27
36.500	0.00	0.04	0.062	0					1.27
36.583	0.00	0.04	0.061	0					1.26
36.667	0.00	0.04	0.061	0					1.26
36.750	0.00	0.04	0.061	0					1.25
36.833	0.00	0.04	0.060	0					1.25
36.917	0.00	0.04	0.060	0					1.25
37.000	0.00	0.04	0.060	0					1.24
37.083	0.00	0.04	0.060	0					1.24
37.167	0.00	0.04	0.059	0					1.23
37.250	0.00	0.04	0.059	0					1.23
37.333	0.00	0.04	0.059	0					1.23
37.417	0.00	0.04	0.059	0					1.22
37.500	0.00	0.04	0.058	0					1.22
37.583	0.00	0.04	0.058	0					1.22
37.667	0.00	0.04	0.058	0					1.21
37.750	0.00	0.04	0.058	0					1.21
37.833	0.00	0.04	0.057	0					1.20
37.917	0.00	0.04	0.057	0					1.20
38.000	0.00	0.04	0.057	0					1.20
38.083	0.00	0.04	0.057	0					1.19
38.167	0.00	0.04	0.056	0					1.19
38.250	0.00	0.04	0.056	0					1.19
38.333	0.00	0.04	0.056	0					1.18
38.417	0.00	0.04	0.055	0					1.18
38.500	0.00	0.04	0.055	0					1.17
38.583	0.00	0.04	0.055	0					1.17
38.667	0.00	0.04	0.055	0					1.17
38.750	0.00	0.04	0.054	0					1.16
38.833	0.00	0.04	0.054	0					1.16
38.917	0.00	0.04	0.054	0					1.16
39.000	0.00	0.04	0.054	0					1.15
39.083	0.00	0.04	0.053	0					1.15
39.167	0.00	0.04	0.053	0					1.15
39.250	0.00	0.04	0.053	0					1.14
39.333	0.00	0.04	0.053	0					1.14

39.417	0.00	0.04	0.052	0					1.13
39.500	0.00	0.04	0.052	0					1.13
39.583	0.00	0.04	0.052	0					1.13
39.667	0.00	0.04	0.052	0					1.12
39.750	0.00	0.04	0.051	0					1.12
39.833	0.00	0.04	0.051	0					1.12
39.917	0.00	0.04	0.051	0					1.11
40.000	0.00	0.04	0.051	0					1.11
40.083	0.00	0.04	0.050	0					1.11
40.167	0.00	0.04	0.050	0					1.10
40.250	0.00	0.04	0.050	0					1.10
40.333	0.00	0.04	0.050	0					1.09
40.417	0.00	0.04	0.049	0					1.09
40.500	0.00	0.04	0.049	0					1.09
40.583	0.00	0.04	0.049	0					1.08
40.667	0.00	0.04	0.049	0					1.08
40.750	0.00	0.04	0.048	0					1.08
40.833	0.00	0.04	0.048	0					1.07
40.917	0.00	0.04	0.048	0					1.07
41.000	0.00	0.04	0.048	0					1.07
41.083	0.00	0.04	0.047	0					1.06
41.167	0.00	0.04	0.047	0					1.06
41.250	0.00	0.04	0.047	0					1.06
41.333	0.00	0.04	0.047	0					1.05
41.417	0.00	0.04	0.046	0					1.05
41.500	0.00	0.04	0.046	0					1.04
41.583	0.00	0.04	0.046	0					1.04
41.667	0.00	0.04	0.046	0					1.04
41.750	0.00	0.04	0.045	0					1.03
41.833	0.00	0.04	0.045	0					1.03
41.917	0.00	0.04	0.045	0					1.03
42.000	0.00	0.04	0.045	0					1.02
42.083	0.00	0.04	0.044	0					1.02
42.167	0.00	0.04	0.044	0					1.02
42.250	0.00	0.04	0.044	0					1.01
42.333	0.00	0.04	0.044	0					1.01
42.417	0.00	0.04	0.043	0					1.01
42.500	0.00	0.04	0.043	0					1.00
42.583	0.00	0.03	0.043	0					1.00
42.667	0.00	0.03	0.043	0					0.99
42.750	0.00	0.03	0.042	0					0.99
42.833	0.00	0.03	0.042	0					0.98
42.917	0.00	0.03	0.042	0					0.98
43.000	0.00	0.03	0.042	0					0.97
43.083	0.00	0.03	0.042	0					0.97
43.167	0.00	0.03	0.041	0					0.96
43.250	0.00	0.03	0.041	0					0.96
43.333	0.00	0.03	0.041	0					0.95
43.417	0.00	0.03	0.041	0					0.95
43.500	0.00	0.03	0.040	0					0.94

43.583	0.00	0.03	0.040	0					0.94
43.667	0.00	0.03	0.040	0					0.93
43.750	0.00	0.03	0.040	0					0.93
43.833	0.00	0.03	0.039	0					0.92
43.917	0.00	0.03	0.039	0					0.92
44.000	0.00	0.03	0.039	0					0.91
44.083	0.00	0.03	0.039	0					0.91
44.167	0.00	0.03	0.039	0					0.90
44.250	0.00	0.03	0.038	0					0.90
44.333	0.00	0.03	0.038	0					0.89
44.417	0.00	0.03	0.038	0					0.89
44.500	0.00	0.03	0.038	0					0.88
44.583	0.00	0.03	0.037	0					0.88
44.667	0.00	0.03	0.037	0					0.87
44.750	0.00	0.03	0.037	0					0.87
44.833	0.00	0.03	0.037	0					0.87
44.917	0.00	0.03	0.037	0					0.86
45.000	0.00	0.03	0.036	0					0.86
45.083	0.00	0.03	0.036	0					0.85
45.167	0.00	0.03	0.036	0					0.85
45.250	0.00	0.03	0.036	0					0.84
45.333	0.00	0.03	0.036	0					0.84
45.417	0.00	0.03	0.035	0					0.83
45.500	0.00	0.03	0.035	0					0.83
45.583	0.00	0.03	0.035	0					0.82
45.667	0.00	0.03	0.035	0					0.82
45.750	0.00	0.03	0.035	0					0.81
45.833	0.00	0.03	0.034	0					0.81
45.917	0.00	0.03	0.034	0					0.81
46.000	0.00	0.03	0.034	0					0.80
46.083	0.00	0.03	0.034	0					0.80
46.167	0.00	0.03	0.034	0					0.79
46.250	0.00	0.03	0.033	0					0.79
46.333	0.00	0.03	0.033	0					0.78
46.417	0.00	0.03	0.033	0					0.78
46.500	0.00	0.03	0.033	0					0.78
46.583	0.00	0.03	0.033	0					0.77
46.667	0.00	0.03	0.032	0					0.77
46.750	0.00	0.03	0.032	0					0.76
46.833	0.00	0.03	0.032	0					0.76
46.917	0.00	0.03	0.032	0					0.75
47.000	0.00	0.03	0.032	0					0.75
47.083	0.00	0.03	0.031	0					0.75
47.167	0.00	0.03	0.031	0					0.74
47.250	0.00	0.03	0.031	0					0.74
47.333	0.00	0.03	0.031	0					0.73
47.417	0.00	0.03	0.031	0					0.73
47.500	0.00	0.03	0.031	0					0.73
47.583	0.00	0.03	0.030	0					0.72
47.667	0.00	0.03	0.030	0					0.72

47.750	0.00	0.03	0.030	0					0.71
47.833	0.00	0.03	0.030	0					0.71
47.917	0.00	0.03	0.030	0					0.71
48.000	0.00	0.03	0.029	0					0.70
48.083	0.00	0.03	0.029	0					0.70
48.167	0.00	0.03	0.029	0					0.69
48.250	0.00	0.03	0.029	0					0.69
48.333	0.00	0.03	0.029	0					0.69
48.417	0.00	0.03	0.029	0					0.68
48.500	0.00	0.03	0.028	0					0.68
48.583	0.00	0.03	0.028	0					0.67
48.667	0.00	0.03	0.028	0					0.67
48.750	0.00	0.03	0.028	0					0.67
48.833	0.00	0.02	0.028	0					0.66
48.917	0.00	0.02	0.027	0					0.66
49.000	0.00	0.02	0.027	0					0.66
49.083	0.00	0.02	0.027	0					0.65
49.167	0.00	0.02	0.027	0					0.65
49.250	0.00	0.02	0.027	0					0.64
49.333	0.00	0.02	0.027	0					0.64
49.417	0.00	0.02	0.026	0					0.64
49.500	0.00	0.02	0.026	0					0.63
49.583	0.00	0.02	0.026	0					0.63
49.667	0.00	0.02	0.026	0					0.63
49.750	0.00	0.02	0.026	0					0.62
49.833	0.00	0.02	0.026	0					0.62
49.917	0.00	0.02	0.025	0					0.62
50.000	0.00	0.02	0.025	0					0.61
50.083	0.00	0.02	0.025	0					0.61
50.167	0.00	0.02	0.025	0					0.61
50.250	0.00	0.02	0.025	0					0.60
50.333	0.00	0.02	0.025	0					0.60
50.417	0.00	0.02	0.025	0					0.59
50.500	0.00	0.02	0.024	0					0.59
50.583	0.00	0.02	0.024	0					0.59
50.667	0.00	0.02	0.024	0					0.58
50.750	0.00	0.02	0.024	0					0.58
50.833	0.00	0.02	0.024	0					0.58
50.917	0.00	0.02	0.024	0					0.57
51.000	0.00	0.02	0.023	0					0.57
51.083	0.00	0.02	0.023	0					0.57
51.167	0.00	0.02	0.023	0					0.56
51.250	0.00	0.02	0.023	0					0.56
51.333	0.00	0.02	0.023	0					0.56
51.417	0.00	0.02	0.023	0					0.55
51.500	0.00	0.02	0.023	0					0.55
51.583	0.00	0.02	0.022	0					0.55
51.667	0.00	0.02	0.022	0					0.54
51.750	0.00	0.02	0.022	0					0.54
51.833	0.00	0.02	0.022	0					0.54

51.917	0.00	0.02	0.022	0					0.54
52.000	0.00	0.02	0.022	0					0.53
52.083	0.00	0.02	0.022	0					0.53
52.167	0.00	0.02	0.021	0					0.53
52.250	0.00	0.02	0.021	0					0.52
52.333	0.00	0.02	0.021	0					0.52
52.417	0.00	0.02	0.021	0					0.52
52.500	0.00	0.02	0.021	0					0.51
52.583	0.00	0.02	0.021	0					0.51
52.667	0.00	0.02	0.021	0					0.51
52.750	0.00	0.02	0.020	0					0.50
52.833	0.00	0.02	0.020	0					0.50
52.917	0.00	0.02	0.020	0					0.50
53.000	0.00	0.02	0.020	0					0.49
53.083	0.00	0.02	0.020	0					0.49
53.167	0.00	0.02	0.020	0					0.49
53.250	0.00	0.02	0.020	0					0.49
53.333	0.00	0.02	0.019	0					0.48
53.417	0.00	0.02	0.019	0					0.48
53.500	0.00	0.02	0.019	0					0.48
53.583	0.00	0.02	0.019	0					0.47
53.667	0.00	0.02	0.019	0					0.47
53.750	0.00	0.02	0.019	0					0.47
53.833	0.00	0.02	0.019	0					0.47
53.917	0.00	0.02	0.019	0					0.46
54.000	0.00	0.02	0.018	0					0.46
54.083	0.00	0.02	0.018	0					0.46
54.167	0.00	0.02	0.018	0					0.45
54.250	0.00	0.02	0.018	0					0.45
54.333	0.00	0.02	0.018	0					0.45
54.417	0.00	0.02	0.018	0					0.45
54.500	0.00	0.02	0.018	0					0.44
54.583	0.00	0.02	0.018	0					0.44
54.667	0.00	0.02	0.017	0					0.44
54.750	0.00	0.02	0.017	0					0.43
54.833	0.00	0.02	0.017	0					0.43
54.917	0.00	0.02	0.017	0					0.43
55.000	0.00	0.02	0.017	0					0.43
55.083	0.00	0.02	0.017	0					0.42
55.167	0.00	0.02	0.017	0					0.42
55.250	0.00	0.02	0.017	0					0.42
55.333	0.00	0.02	0.016	0					0.42
55.417	0.00	0.02	0.016	0					0.41
55.500	0.00	0.02	0.016	0					0.41
55.583	0.00	0.02	0.016	0					0.41
55.667	0.00	0.02	0.016	0					0.41
55.750	0.00	0.02	0.016	0					0.40
55.833	0.00	0.02	0.016	0					0.40
55.917	0.00	0.02	0.016	0					0.40
56.000	0.00	0.02	0.015	0					0.40

56.083	0.00	0.02	0.015	0					0.39
56.167	0.00	0.02	0.015	0					0.39
56.250	0.00	0.02	0.015	0					0.39
56.333	0.00	0.02	0.015	0					0.39
56.417	0.00	0.02	0.015	0					0.38
56.500	0.00	0.02	0.015	0					0.38
56.583	0.00	0.02	0.015	0					0.38
56.667	0.00	0.02	0.015	0					0.38
56.750	0.00	0.02	0.014	0					0.37
56.833	0.00	0.02	0.014	0					0.37
56.917	0.00	0.02	0.014	0					0.37
57.000	0.00	0.02	0.014	0					0.37
57.083	0.00	0.02	0.014	0					0.36
57.167	0.00	0.02	0.014	0					0.36
57.250	0.00	0.02	0.014	0					0.36
57.333	0.00	0.02	0.014	0					0.36
57.417	0.00	0.02	0.014	0					0.35
57.500	0.00	0.02	0.013	0					0.35
57.583	0.00	0.02	0.013	0					0.35
57.667	0.00	0.02	0.013	0					0.35
57.750	0.00	0.02	0.013	0					0.34
57.833	0.00	0.02	0.013	0					0.34
57.917	0.00	0.02	0.013	0					0.34
58.000	0.00	0.02	0.013	0					0.34
58.083	0.00	0.02	0.013	0					0.33
58.167	0.00	0.01	0.013	0					0.33
58.250	0.00	0.01	0.012	0					0.33
58.333	0.00	0.01	0.012	0					0.33
58.417	0.00	0.01	0.012	0					0.33
58.500	0.00	0.01	0.012	0					0.32
58.583	0.00	0.01	0.012	0					0.32
58.667	0.00	0.01	0.012	0					0.32
58.750	0.00	0.01	0.012	0					0.32
58.833	0.00	0.01	0.012	0					0.31
58.917	0.00	0.01	0.012	0					0.31
59.000	0.00	0.01	0.012	0					0.31
59.083	0.00	0.01	0.011	0					0.31
59.167	0.00	0.01	0.011	0					0.31
59.250	0.00	0.01	0.011	0					0.30
59.333	0.00	0.01	0.011	0					0.30
59.417	0.00	0.01	0.011	0					0.30
59.500	0.00	0.01	0.011	0					0.30
59.583	0.00	0.01	0.011	0					0.30
59.667	0.00	0.01	0.011	0					0.29
59.750	0.00	0.01	0.011	0					0.29
59.833	0.00	0.01	0.011	0					0.29
59.917	0.00	0.01	0.011	0					0.29
60.000	0.00	0.01	0.010	0					0.29
60.083	0.00	0.01	0.010	0					0.28
60.167	0.00	0.01	0.010	0					0.28

60.250	0.00	0.01	0.010	0					0.28
60.333	0.00	0.01	0.010	0					0.28
60.417	0.00	0.01	0.010	0					0.28
60.500	0.00	0.01	0.010	0					0.27
60.583	0.00	0.01	0.010	0					0.27
60.667	0.00	0.01	0.010	0					0.27
60.750	0.00	0.01	0.010	0					0.27
60.833	0.00	0.01	0.010	0					0.27
60.917	0.00	0.01	0.009	0					0.26
61.000	0.00	0.01	0.009	0					0.26
61.083	0.00	0.01	0.009	0					0.26
61.167	0.00	0.01	0.009	0					0.26
61.250	0.00	0.01	0.009	0					0.26
61.333	0.00	0.01	0.009	0					0.25
61.417	0.00	0.01	0.009	0					0.25
61.500	0.00	0.01	0.009	0					0.25
61.583	0.00	0.01	0.009	0					0.25
61.667	0.00	0.01	0.009	0					0.25
61.750	0.00	0.01	0.009	0					0.24
61.833	0.00	0.01	0.008	0					0.24
61.917	0.00	0.01	0.008	0					0.24
62.000	0.00	0.01	0.008	0					0.24
62.083	0.00	0.01	0.008	0					0.24
62.167	0.00	0.01	0.008	0					0.24
62.250	0.00	0.01	0.008	0					0.23
62.333	0.00	0.01	0.008	0					0.23
62.417	0.00	0.01	0.008	0					0.23
62.500	0.00	0.01	0.008	0					0.23
62.583	0.00	0.01	0.008	0					0.23
62.667	0.00	0.01	0.008	0					0.22
62.750	0.00	0.01	0.008	0					0.22
62.833	0.00	0.01	0.007	0					0.22
62.917	0.00	0.01	0.007	0					0.22
63.000	0.00	0.01	0.007	0					0.22
63.083	0.00	0.01	0.007	0					0.22
63.167	0.00	0.01	0.007	0					0.21
63.250	0.00	0.01	0.007	0					0.21
63.333	0.00	0.01	0.007	0					0.21
63.417	0.00	0.01	0.007	0					0.21
63.500	0.00	0.01	0.007	0					0.21
63.583	0.00	0.01	0.007	0					0.21
63.667	0.00	0.01	0.007	0					0.20
63.750	0.00	0.01	0.007	0					0.20
63.833	0.00	0.01	0.007	0					0.20
63.917	0.00	0.01	0.006	0					0.20
64.000	0.00	0.01	0.006	0					0.20
64.083	0.00	0.01	0.006	0					0.20
64.167	0.00	0.01	0.006	0					0.19
64.250	0.00	0.01	0.006	0					0.19
64.333	0.00	0.01	0.006	0					0.19

64.417	0.00	0.01	0.006	0					0.19
64.500	0.00	0.01	0.006	0					0.19
64.583	0.00	0.01	0.006	0					0.19
64.667	0.00	0.01	0.006	0					0.18
64.750	0.00	0.01	0.006	0					0.18
64.833	0.00	0.01	0.006	0					0.18
64.917	0.00	0.01	0.006	0					0.18
65.000	0.00	0.01	0.006	0					0.18
65.083	0.00	0.01	0.005	0					0.18
65.167	0.00	0.01	0.005	0					0.17
65.250	0.00	0.01	0.005	0					0.17
65.333	0.00	0.01	0.005	0					0.17
65.417	0.00	0.01	0.005	0					0.17
65.500	0.00	0.01	0.005	0					0.17
65.583	0.00	0.01	0.005	0					0.17
65.667	0.00	0.01	0.005	0					0.17
65.750	0.00	0.01	0.005	0					0.16
65.833	0.00	0.01	0.005	0					0.16
65.917	0.00	0.01	0.005	0					0.16
66.000	0.00	0.01	0.005	0					0.16
66.083	0.00	0.01	0.005	0					0.16
66.167	0.00	0.01	0.005	0					0.16
66.250	0.00	0.01	0.005	0					0.15
66.333	0.00	0.01	0.004	0					0.15
66.417	0.00	0.01	0.004	0					0.15
66.500	0.00	0.01	0.004	0					0.15
66.583	0.00	0.01	0.004	0					0.15
66.667	0.00	0.01	0.004	0					0.15
66.750	0.00	0.01	0.004	0					0.15
66.833	0.00	0.01	0.004	0					0.14
66.917	0.00	0.01	0.004	0					0.14
67.000	0.00	0.01	0.004	0					0.14
67.083	0.00	0.01	0.004	0					0.14
67.167	0.00	0.01	0.004	0					0.14
67.250	0.00	0.01	0.004	0					0.14
67.333	0.00	0.01	0.004	0					0.14
67.417	0.00	0.01	0.004	0					0.14
67.500	0.00	0.01	0.004	0					0.13
67.583	0.00	0.01	0.003	0					0.13
67.667	0.00	0.01	0.003	0					0.13
67.750	0.00	0.01	0.003	0					0.13
67.833	0.00	0.01	0.003	0					0.13
67.917	0.00	0.01	0.003	0					0.13
68.000	0.00	0.01	0.003	0					0.13
68.083	0.00	0.01	0.003	0					0.12
68.167	0.00	0.01	0.003	0					0.12
68.250	0.00	0.01	0.003	0					0.12
68.333	0.00	0.01	0.003	0					0.12
68.417	0.00	0.01	0.003	0					0.12
68.500	0.00	0.01	0.003	0					0.12

68.583	0.00	0.01	0.003	0					0.12
68.667	0.00	0.01	0.003	0					0.12
68.750	0.00	0.01	0.003	0					0.11
68.833	0.00	0.01	0.003	0					0.11
68.917	0.00	0.01	0.003	0					0.11
69.000	0.00	0.01	0.002	0					0.11
69.083	0.00	0.01	0.002	0					0.11
69.167	0.00	0.01	0.002	0					0.11
69.250	0.00	0.01	0.002	0					0.11
69.333	0.00	0.01	0.002	0					0.11
69.417	0.00	0.01	0.002	0					0.10
69.500	0.00	0.01	0.002	0					0.10
69.583	0.00	0.01	0.002	0					0.10
69.667	0.00	0.01	0.002	0					0.10
69.750	0.00	0.01	0.002	0					0.10
69.833	0.00	0.01	0.002	0					0.10
69.917	0.00	0.01	0.002	0					0.09
70.000	0.00	0.01	0.002	0					0.09
70.083	0.00	0.01	0.002	0					0.09
70.167	0.00	0.01	0.002	0					0.09
70.250	0.00	0.01	0.002	0					0.08
70.333	0.00	0.01	0.002	0					0.08
70.417	0.00	0.01	0.002	0					0.08
70.500	0.00	0.01	0.002	0					0.08
70.583	0.00	0.01	0.001	0					0.07
70.667	0.00	0.01	0.001	0					0.07
70.750	0.00	0.01	0.001	0					0.07
70.833	0.00	0.01	0.001	0					0.07
70.917	0.00	0.01	0.001	0					0.07
71.000	0.00	0.01	0.001	0					0.06
71.083	0.00	0.01	0.001	0					0.06
71.167	0.00	0.00	0.001	0					0.06
71.250	0.00	0.00	0.001	0					0.06
71.333	0.00	0.00	0.001	0					0.06
71.417	0.00	0.00	0.001	0					0.06
71.500	0.00	0.00	0.001	0					0.06
71.583	0.00	0.00	0.001	0					0.05
71.667	0.00	0.00	0.001	0					0.05
71.750	0.00	0.00	0.001	0					0.05
71.833	0.00	0.00	0.001	0					0.05
71.917	0.00	0.00	0.001	0					0.05
72.000	0.00	0.00	0.001	0					0.05
72.083	0.00	0.00	0.001	0					0.05
72.167	0.00	0.00	0.001	0					0.04
72.250	0.00	0.00	0.001	0					0.04
72.333	0.00	0.00	0.001	0					0.04
72.417	0.00	0.00	0.001	0					0.04
72.500	0.00	0.00	0.001	0					0.04
72.583	0.00	0.00	0.001	0					0.04
72.667	0.00	0.00	0.001	0					0.04

72.750	0.00	0.00	0.001	0					0.04
72.833	0.00	0.00	0.001	0					0.04
72.917	0.00	0.00	0.001	0					0.03
73.000	0.00	0.00	0.001	0					0.03
73.083	0.00	0.00	0.001	0					0.03
73.167	0.00	0.00	0.001	0					0.03
73.250	0.00	0.00	0.001	0					0.03
73.333	0.00	0.00	0.001	0					0.03
73.417	0.00	0.00	0.001	0					0.03
73.500	0.00	0.00	0.001	0					0.03
73.583	0.00	0.00	0.001	0					0.03
73.667	0.00	0.00	0.001	0					0.03
73.750	0.00	0.00	0.001	0					0.03
73.833	0.00	0.00	0.001	0					0.03
73.917	0.00	0.00	0.000	0					0.02
74.000	0.00	0.00	0.000	0					0.02
74.083	0.00	0.00	0.000	0					0.02
74.167	0.00	0.00	0.000	0					0.02
74.250	0.00	0.00	0.000	0					0.02
74.333	0.00	0.00	0.000	0					0.02
74.417	0.00	0.00	0.000	0					0.02
74.500	0.00	0.00	0.000	0					0.02
74.583	0.00	0.00	0.000	0					0.02
74.667	0.00	0.00	0.000	0					0.02
74.750	0.00	0.00	0.000	0					0.02
74.833	0.00	0.00	0.000	0					0.02
74.917	0.00	0.00	0.000	0					0.02
75.000	0.00	0.00	0.000	0					0.02
75.083	0.00	0.00	0.000	0					0.02
75.167	0.00	0.00	0.000	0					0.02
75.250	0.00	0.00	0.000	0					0.02
75.333	0.00	0.00	0.000	0					0.02
75.417	0.00	0.00	0.000	0					0.02
75.500	0.00	0.00	0.000	0					0.01
75.583	0.00	0.00	0.000	0					0.01
75.667	0.00	0.00	0.000	0					0.01
75.750	0.00	0.00	0.000	0					0.01
75.833	0.00	0.00	0.000	0					0.01
75.917	0.00	0.00	0.000	0					0.01
76.000	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 912
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 0.062 (CFS)
 Total volume = 0.211 (Ac.Ft)
 Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
5 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da315.rte
*****HYDROGRAPH DATA*****
Number of intervals = 13
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.156 (CFS)
Total volume = 0.134 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 13
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.58	3.87	5.16	Depth (Ft.)
0.083	0.50	0.01	0.002	O I					0.08
0.167	0.76	0.01	0.006	O I					0.19
0.250	0.85	0.01	0.011	O I					0.31
0.333	0.89	0.02	0.017	O I					0.44
0.417	0.98	0.02	0.024	O I					0.57
0.500	1.11	0.03	0.031	O I					0.73
0.583	1.26	0.03	0.039	O I					0.90
0.667	1.49	0.04	0.048	O	I				1.07
0.750	2.16	0.04	0.060	O		I			1.25
0.833	5.16	0.04	0.085	O				I	1.60
0.917	2.96	0.05	0.113	O		I			2.00
1.000	0.99	0.05	0.126	O I					2.16
1.083	0.29	0.05	0.130	O I					2.21
1.167	0.00	0.05	0.131	O					2.21
1.250	0.00	0.05	0.130	O					2.21
1.333	0.00	0.05	0.130	O					2.20
1.417	0.00	0.05	0.130	O					2.20
1.500	0.00	0.05	0.129	O					2.20
1.583	0.00	0.05	0.129	O					2.19
1.667	0.00	0.05	0.129	O					2.19
1.750	0.00	0.05	0.128	O					2.18
1.833	0.00	0.05	0.128	O					2.18

1.917	0.00	0.05	0.128	0					2.17
2.000	0.00	0.05	0.127	0					2.17
2.083	0.00	0.05	0.127	0					2.17
2.167	0.00	0.05	0.126	0					2.16
2.250	0.00	0.05	0.126	0					2.16
2.333	0.00	0.05	0.126	0					2.15
2.417	0.00	0.05	0.125	0					2.15
2.500	0.00	0.05	0.125	0					2.14
2.583	0.00	0.05	0.125	0					2.14
2.667	0.00	0.05	0.124	0					2.14
2.750	0.00	0.05	0.124	0					2.13
2.833	0.00	0.05	0.124	0					2.13
2.917	0.00	0.05	0.123	0					2.12
3.000	0.00	0.05	0.123	0					2.12
3.083	0.00	0.05	0.123	0					2.11
3.167	0.00	0.05	0.122	0					2.11
3.250	0.00	0.05	0.122	0					2.11
3.333	0.00	0.05	0.121	0					2.10
3.417	0.00	0.05	0.121	0					2.10
3.500	0.00	0.05	0.121	0					2.09
3.583	0.00	0.05	0.120	0					2.09
3.667	0.00	0.05	0.120	0					2.09
3.750	0.00	0.05	0.120	0					2.08
3.833	0.00	0.05	0.119	0					2.08
3.917	0.00	0.05	0.119	0					2.07
4.000	0.00	0.05	0.119	0					2.07
4.083	0.00	0.05	0.118	0					2.06
4.167	0.00	0.05	0.118	0					2.06
4.250	0.00	0.05	0.118	0					2.06
4.333	0.00	0.05	0.117	0					2.05
4.417	0.00	0.05	0.117	0					2.05
4.500	0.00	0.05	0.117	0					2.04
4.583	0.00	0.05	0.116	0					2.04
4.667	0.00	0.05	0.116	0					2.03
4.750	0.00	0.05	0.116	0					2.03
4.833	0.00	0.05	0.115	0					2.03
4.917	0.00	0.05	0.115	0					2.02
5.000	0.00	0.05	0.114	0					2.02
5.083	0.00	0.05	0.114	0					2.01
5.167	0.00	0.05	0.114	0					2.01
5.250	0.00	0.05	0.113	0					2.01
5.333	0.00	0.05	0.113	0					2.00
5.417	0.00	0.05	0.113	0					2.00
5.500	0.00	0.05	0.112	0					1.99
5.583	0.00	0.05	0.112	0					1.99
5.667	0.00	0.05	0.112	0					1.98
5.750	0.00	0.05	0.111	0					1.98
5.833	0.00	0.05	0.111	0					1.97
5.917	0.00	0.05	0.111	0					1.97
6.000	0.00	0.05	0.110	0					1.96

6.083	0.00	0.05	0.110	0					1.96
6.167	0.00	0.05	0.110	0					1.95
6.250	0.00	0.05	0.109	0					1.95
6.333	0.00	0.05	0.109	0					1.94
6.417	0.00	0.05	0.109	0					1.94
6.500	0.00	0.05	0.108	0					1.93
6.583	0.00	0.05	0.108	0					1.93
6.667	0.00	0.05	0.108	0					1.92
6.750	0.00	0.05	0.107	0					1.92
6.833	0.00	0.05	0.107	0					1.91
6.917	0.00	0.05	0.107	0					1.91
7.000	0.00	0.05	0.106	0					1.90
7.083	0.00	0.05	0.106	0					1.90
7.167	0.00	0.05	0.106	0					1.90
7.250	0.00	0.05	0.105	0					1.89
7.333	0.00	0.05	0.105	0					1.89
7.417	0.00	0.05	0.105	0					1.88
7.500	0.00	0.05	0.104	0					1.88
7.583	0.00	0.05	0.104	0					1.87
7.667	0.00	0.05	0.104	0					1.87
7.750	0.00	0.05	0.103	0					1.86
7.833	0.00	0.05	0.103	0					1.86
7.917	0.00	0.05	0.103	0					1.85
8.000	0.00	0.05	0.102	0					1.85
8.083	0.00	0.05	0.102	0					1.84
8.167	0.00	0.05	0.102	0					1.84
8.250	0.00	0.05	0.101	0					1.83
8.333	0.00	0.05	0.101	0					1.83
8.417	0.00	0.05	0.101	0					1.82
8.500	0.00	0.05	0.100	0					1.82
8.583	0.00	0.05	0.100	0					1.82
8.667	0.00	0.05	0.100	0					1.81
8.750	0.00	0.05	0.099	0					1.81
8.833	0.00	0.05	0.099	0					1.80
8.917	0.00	0.05	0.099	0					1.80
9.000	0.00	0.05	0.098	0					1.79
9.083	0.00	0.05	0.098	0					1.79
9.167	0.00	0.05	0.098	0					1.78
9.250	0.00	0.05	0.097	0					1.78
9.333	0.00	0.05	0.097	0					1.77
9.417	0.00	0.05	0.097	0					1.77
9.500	0.00	0.05	0.097	0					1.76
9.583	0.00	0.05	0.096	0					1.76
9.667	0.00	0.05	0.096	0					1.76
9.750	0.00	0.05	0.096	0					1.75
9.833	0.00	0.05	0.095	0					1.75
9.917	0.00	0.05	0.095	0					1.74
10.000	0.00	0.05	0.095	0					1.74
10.083	0.00	0.05	0.094	0					1.73
10.167	0.00	0.05	0.094	0					1.73

10.250	0.00	0.05	0.094	0					1.72
10.333	0.00	0.05	0.093	0					1.72
10.417	0.00	0.05	0.093	0					1.71
10.500	0.00	0.05	0.093	0					1.71
10.583	0.00	0.05	0.092	0					1.71
10.667	0.00	0.05	0.092	0					1.70
10.750	0.00	0.05	0.092	0					1.70
10.833	0.00	0.05	0.091	0					1.69
10.917	0.00	0.05	0.091	0					1.69
11.000	0.00	0.05	0.091	0					1.68
11.083	0.00	0.05	0.091	0					1.68
11.167	0.00	0.05	0.090	0					1.67
11.250	0.00	0.05	0.090	0					1.67
11.333	0.00	0.04	0.090	0					1.67
11.417	0.00	0.04	0.089	0					1.66
11.500	0.00	0.04	0.089	0					1.66
11.583	0.00	0.04	0.089	0					1.65
11.667	0.00	0.04	0.088	0					1.65
11.750	0.00	0.04	0.088	0					1.64
11.833	0.00	0.04	0.088	0					1.64
11.917	0.00	0.04	0.087	0					1.63
12.000	0.00	0.04	0.087	0					1.63
12.083	0.00	0.04	0.087	0					1.63
12.167	0.00	0.04	0.087	0					1.62
12.250	0.00	0.04	0.086	0					1.62
12.333	0.00	0.04	0.086	0					1.61
12.417	0.00	0.04	0.086	0					1.61
12.500	0.00	0.04	0.085	0					1.60
12.583	0.00	0.04	0.085	0					1.60
12.667	0.00	0.04	0.085	0					1.60
12.750	0.00	0.04	0.084	0					1.59
12.833	0.00	0.04	0.084	0					1.59
12.917	0.00	0.04	0.084	0					1.58
13.000	0.00	0.04	0.083	0					1.58
13.083	0.00	0.04	0.083	0					1.57
13.167	0.00	0.04	0.083	0					1.57
13.250	0.00	0.04	0.083	0					1.57
13.333	0.00	0.04	0.082	0					1.56
13.417	0.00	0.04	0.082	0					1.56
13.500	0.00	0.04	0.082	0					1.55
13.583	0.00	0.04	0.081	0					1.55
13.667	0.00	0.04	0.081	0					1.54
13.750	0.00	0.04	0.081	0					1.54
13.833	0.00	0.04	0.080	0					1.54
13.917	0.00	0.04	0.080	0					1.53
14.000	0.00	0.04	0.080	0					1.53
14.083	0.00	0.04	0.080	0					1.52
14.167	0.00	0.04	0.079	0					1.52
14.250	0.00	0.04	0.079	0					1.51
14.333	0.00	0.04	0.079	0					1.51

14.417	0.00	0.04	0.078	0					1.51
14.500	0.00	0.04	0.078	0					1.50
14.583	0.00	0.04	0.078	0					1.50
14.667	0.00	0.04	0.078	0					1.49
14.750	0.00	0.04	0.077	0					1.49
14.833	0.00	0.04	0.077	0					1.49
14.917	0.00	0.04	0.077	0					1.48
15.000	0.00	0.04	0.076	0					1.48
15.083	0.00	0.04	0.076	0					1.47
15.167	0.00	0.04	0.076	0					1.47
15.250	0.00	0.04	0.076	0					1.46
15.333	0.00	0.04	0.075	0					1.46
15.417	0.00	0.04	0.075	0					1.46
15.500	0.00	0.04	0.075	0					1.45
15.583	0.00	0.04	0.074	0					1.45
15.667	0.00	0.04	0.074	0					1.44
15.750	0.00	0.04	0.074	0					1.44
15.833	0.00	0.04	0.073	0					1.44
15.917	0.00	0.04	0.073	0					1.43
16.000	0.00	0.04	0.073	0					1.43
16.083	0.00	0.04	0.073	0					1.42
16.167	0.00	0.04	0.072	0					1.42
16.250	0.00	0.04	0.072	0					1.42
16.333	0.00	0.04	0.072	0					1.41
16.417	0.00	0.04	0.072	0					1.41
16.500	0.00	0.04	0.071	0					1.40
16.583	0.00	0.04	0.071	0					1.40
16.667	0.00	0.04	0.071	0					1.40
16.750	0.00	0.04	0.070	0					1.39
16.833	0.00	0.04	0.070	0					1.39
16.917	0.00	0.04	0.070	0					1.38
17.000	0.00	0.04	0.070	0					1.38
17.083	0.00	0.04	0.069	0					1.38
17.167	0.00	0.04	0.069	0					1.37
17.250	0.00	0.04	0.069	0					1.37
17.333	0.00	0.04	0.068	0					1.36
17.417	0.00	0.04	0.068	0					1.36
17.500	0.00	0.04	0.068	0					1.36
17.583	0.00	0.04	0.068	0					1.35
17.667	0.00	0.04	0.067	0					1.35
17.750	0.00	0.04	0.067	0					1.34
17.833	0.00	0.04	0.067	0					1.34
17.917	0.00	0.04	0.066	0					1.34
18.000	0.00	0.04	0.066	0					1.33
18.083	0.00	0.04	0.066	0					1.33
18.167	0.00	0.04	0.066	0					1.32
18.250	0.00	0.04	0.065	0					1.32
18.333	0.00	0.04	0.065	0					1.32
18.417	0.00	0.04	0.065	0					1.31
18.500	0.00	0.04	0.065	0					1.31

18.583	0.00	0.04	0.064	0					1.30
18.667	0.00	0.04	0.064	0					1.30
18.750	0.00	0.04	0.064	0					1.30
18.833	0.00	0.04	0.063	0					1.29
18.917	0.00	0.04	0.063	0					1.29
19.000	0.00	0.04	0.063	0					1.28
19.083	0.00	0.04	0.063	0					1.28
19.167	0.00	0.04	0.062	0					1.28
19.250	0.00	0.04	0.062	0					1.27
19.333	0.00	0.04	0.062	0					1.27
19.417	0.00	0.04	0.062	0					1.27
19.500	0.00	0.04	0.061	0					1.26
19.583	0.00	0.04	0.061	0					1.26
19.667	0.00	0.04	0.061	0					1.25
19.750	0.00	0.04	0.061	0					1.25
19.833	0.00	0.04	0.060	0					1.25
19.917	0.00	0.04	0.060	0					1.24
20.000	0.00	0.04	0.060	0					1.24
20.083	0.00	0.04	0.059	0					1.23
20.167	0.00	0.04	0.059	0					1.23
20.250	0.00	0.04	0.059	0					1.23
20.333	0.00	0.04	0.059	0					1.22
20.417	0.00	0.04	0.058	0					1.22
20.500	0.00	0.04	0.058	0					1.22
20.583	0.00	0.04	0.058	0					1.21
20.667	0.00	0.04	0.058	0					1.21
20.750	0.00	0.04	0.057	0					1.20
20.833	0.00	0.04	0.057	0					1.20
20.917	0.00	0.04	0.057	0					1.20
21.000	0.00	0.04	0.057	0					1.19
21.083	0.00	0.04	0.056	0					1.19
21.167	0.00	0.04	0.056	0					1.19
21.250	0.00	0.04	0.056	0					1.18
21.333	0.00	0.04	0.056	0					1.18
21.417	0.00	0.04	0.055	0					1.18
21.500	0.00	0.04	0.055	0					1.17
21.583	0.00	0.04	0.055	0					1.17
21.667	0.00	0.04	0.054	0					1.16
21.750	0.00	0.04	0.054	0					1.16
21.833	0.00	0.04	0.054	0					1.16
21.917	0.00	0.04	0.054	0					1.15
22.000	0.00	0.04	0.053	0					1.15
22.083	0.00	0.04	0.053	0					1.15
22.167	0.00	0.04	0.053	0					1.14
22.250	0.00	0.04	0.053	0					1.14
22.333	0.00	0.04	0.052	0					1.13
22.417	0.00	0.04	0.052	0					1.13
22.500	0.00	0.04	0.052	0					1.13
22.583	0.00	0.04	0.052	0					1.12
22.667	0.00	0.04	0.051	0					1.12

22.750	0.00	0.04	0.051	0					1.12
22.833	0.00	0.04	0.051	0					1.11
22.917	0.00	0.04	0.051	0					1.11
23.000	0.00	0.04	0.050	0					1.11
23.083	0.00	0.04	0.050	0					1.10
23.167	0.00	0.04	0.050	0					1.10
23.250	0.00	0.04	0.050	0					1.09
23.333	0.00	0.04	0.049	0					1.09
23.417	0.00	0.04	0.049	0					1.09
23.500	0.00	0.04	0.049	0					1.08
23.583	0.00	0.04	0.049	0					1.08
23.667	0.00	0.04	0.048	0					1.08
23.750	0.00	0.04	0.048	0					1.07
23.833	0.00	0.04	0.048	0					1.07
23.917	0.00	0.04	0.048	0					1.07
24.000	0.00	0.04	0.047	0					1.06
24.083	0.00	0.04	0.047	0					1.06
24.167	0.00	0.04	0.047	0					1.06
24.250	0.00	0.04	0.047	0					1.05
24.333	0.00	0.04	0.046	0					1.05
24.417	0.00	0.04	0.046	0					1.05
24.500	0.00	0.04	0.046	0					1.04
24.583	0.00	0.04	0.046	0					1.04
24.667	0.00	0.04	0.045	0					1.03
24.750	0.00	0.04	0.045	0					1.03
24.833	0.00	0.04	0.045	0					1.03
24.917	0.00	0.04	0.045	0					1.02
25.000	0.00	0.04	0.044	0					1.02
25.083	0.00	0.04	0.044	0					1.02
25.167	0.00	0.04	0.044	0					1.01
25.250	0.00	0.04	0.044	0					1.01
25.333	0.00	0.04	0.043	0					1.01
25.417	0.00	0.04	0.043	0					1.00
25.500	0.00	0.04	0.043	0					1.00
25.583	0.00	0.03	0.043	0					0.99
25.667	0.00	0.03	0.043	0					0.99
25.750	0.00	0.03	0.042	0					0.98
25.833	0.00	0.03	0.042	0					0.98
25.917	0.00	0.03	0.042	0					0.97
26.000	0.00	0.03	0.042	0					0.97
26.083	0.00	0.03	0.041	0					0.96
26.167	0.00	0.03	0.041	0					0.96
26.250	0.00	0.03	0.041	0					0.95
26.333	0.00	0.03	0.041	0					0.95
26.417	0.00	0.03	0.040	0					0.94
26.500	0.00	0.03	0.040	0					0.94
26.583	0.00	0.03	0.040	0					0.93
26.667	0.00	0.03	0.040	0					0.93
26.750	0.00	0.03	0.040	0					0.92
26.833	0.00	0.03	0.039	0					0.92

26.917	0.00	0.03	0.039	0					0.91
27.000	0.00	0.03	0.039	0					0.91
27.083	0.00	0.03	0.039	0					0.90
27.167	0.00	0.03	0.038	0					0.90
27.250	0.00	0.03	0.038	0					0.89
27.333	0.00	0.03	0.038	0					0.89
27.417	0.00	0.03	0.038	0					0.88
27.500	0.00	0.03	0.038	0					0.88
27.583	0.00	0.03	0.037	0					0.87
27.667	0.00	0.03	0.037	0					0.87
27.750	0.00	0.03	0.037	0					0.87
27.833	0.00	0.03	0.037	0					0.86
27.917	0.00	0.03	0.036	0					0.86
28.000	0.00	0.03	0.036	0					0.85
28.083	0.00	0.03	0.036	0					0.85
28.167	0.00	0.03	0.036	0					0.84
28.250	0.00	0.03	0.036	0					0.84
28.333	0.00	0.03	0.035	0					0.83
28.417	0.00	0.03	0.035	0					0.83
28.500	0.00	0.03	0.035	0					0.82
28.583	0.00	0.03	0.035	0					0.82
28.667	0.00	0.03	0.035	0					0.82
28.750	0.00	0.03	0.034	0					0.81
28.833	0.00	0.03	0.034	0					0.81
28.917	0.00	0.03	0.034	0					0.80
29.000	0.00	0.03	0.034	0					0.80
29.083	0.00	0.03	0.034	0					0.79
29.167	0.00	0.03	0.033	0					0.79
29.250	0.00	0.03	0.033	0					0.78
29.333	0.00	0.03	0.033	0					0.78
29.417	0.00	0.03	0.033	0					0.78
29.500	0.00	0.03	0.033	0					0.77
29.583	0.00	0.03	0.032	0					0.77
29.667	0.00	0.03	0.032	0					0.76
29.750	0.00	0.03	0.032	0					0.76
29.833	0.00	0.03	0.032	0					0.75
29.917	0.00	0.03	0.032	0					0.75
30.000	0.00	0.03	0.031	0					0.75
30.083	0.00	0.03	0.031	0					0.74
30.167	0.00	0.03	0.031	0					0.74
30.250	0.00	0.03	0.031	0					0.73
30.333	0.00	0.03	0.031	0					0.73
30.417	0.00	0.03	0.031	0					0.73
30.500	0.00	0.03	0.030	0					0.72
30.583	0.00	0.03	0.030	0					0.72
30.667	0.00	0.03	0.030	0					0.71
30.750	0.00	0.03	0.030	0					0.71
30.833	0.00	0.03	0.030	0					0.71
30.917	0.00	0.03	0.029	0					0.70
31.000	0.00	0.03	0.029	0					0.70

31.083	0.00	0.03	0.029	0					0.69
31.167	0.00	0.03	0.029	0					0.69
31.250	0.00	0.03	0.029	0					0.69
31.333	0.00	0.03	0.029	0					0.68
31.417	0.00	0.03	0.028	0					0.68
31.500	0.00	0.03	0.028	0					0.67
31.583	0.00	0.03	0.028	0					0.67
31.667	0.00	0.03	0.028	0					0.67
31.750	0.00	0.02	0.028	0					0.66
31.833	0.00	0.02	0.028	0					0.66
31.917	0.00	0.02	0.027	0					0.66
32.000	0.00	0.02	0.027	0					0.65
32.083	0.00	0.02	0.027	0					0.65
32.167	0.00	0.02	0.027	0					0.65
32.250	0.00	0.02	0.027	0					0.64
32.333	0.00	0.02	0.026	0					0.64
32.417	0.00	0.02	0.026	0					0.63
32.500	0.00	0.02	0.026	0					0.63
32.583	0.00	0.02	0.026	0					0.63
32.667	0.00	0.02	0.026	0					0.62
32.750	0.00	0.02	0.026	0					0.62
32.833	0.00	0.02	0.026	0					0.62
32.917	0.00	0.02	0.025	0					0.61
33.000	0.00	0.02	0.025	0					0.61
33.083	0.00	0.02	0.025	0					0.61
33.167	0.00	0.02	0.025	0					0.60
33.250	0.00	0.02	0.025	0					0.60
33.333	0.00	0.02	0.025	0					0.60
33.417	0.00	0.02	0.024	0					0.59
33.500	0.00	0.02	0.024	0					0.59
33.583	0.00	0.02	0.024	0					0.58
33.667	0.00	0.02	0.024	0					0.58
33.750	0.00	0.02	0.024	0					0.58
33.833	0.00	0.02	0.024	0					0.57
33.917	0.00	0.02	0.023	0					0.57
34.000	0.00	0.02	0.023	0					0.57
34.083	0.00	0.02	0.023	0					0.56
34.167	0.00	0.02	0.023	0					0.56
34.250	0.00	0.02	0.023	0					0.56
34.333	0.00	0.02	0.023	0					0.55
34.417	0.00	0.02	0.023	0					0.55
34.500	0.00	0.02	0.022	0					0.55
34.583	0.00	0.02	0.022	0					0.54
34.667	0.00	0.02	0.022	0					0.54
34.750	0.00	0.02	0.022	0					0.54
34.833	0.00	0.02	0.022	0					0.54
34.917	0.00	0.02	0.022	0					0.53
35.000	0.00	0.02	0.022	0					0.53
35.083	0.00	0.02	0.021	0					0.53
35.167	0.00	0.02	0.021	0					0.52

35.250	0.00	0.02	0.021	0					0.52
35.333	0.00	0.02	0.021	0					0.52
35.417	0.00	0.02	0.021	0					0.51
35.500	0.00	0.02	0.021	0					0.51
35.583	0.00	0.02	0.021	0					0.51
35.667	0.00	0.02	0.020	0					0.50
35.750	0.00	0.02	0.020	0					0.50
35.833	0.00	0.02	0.020	0					0.50
35.917	0.00	0.02	0.020	0					0.50
36.000	0.00	0.02	0.020	0					0.49
36.083	0.00	0.02	0.020	0					0.49
36.167	0.00	0.02	0.020	0					0.49
36.250	0.00	0.02	0.019	0					0.48
36.333	0.00	0.02	0.019	0					0.48
36.417	0.00	0.02	0.019	0					0.48
36.500	0.00	0.02	0.019	0					0.47
36.583	0.00	0.02	0.019	0					0.47
36.667	0.00	0.02	0.019	0					0.47
36.750	0.00	0.02	0.019	0					0.47
36.833	0.00	0.02	0.019	0					0.46
36.917	0.00	0.02	0.018	0					0.46
37.000	0.00	0.02	0.018	0					0.46
37.083	0.00	0.02	0.018	0					0.45
37.167	0.00	0.02	0.018	0					0.45
37.250	0.00	0.02	0.018	0					0.45
37.333	0.00	0.02	0.018	0					0.45
37.417	0.00	0.02	0.018	0					0.44
37.500	0.00	0.02	0.018	0					0.44
37.583	0.00	0.02	0.017	0					0.44
37.667	0.00	0.02	0.017	0					0.44
37.750	0.00	0.02	0.017	0					0.43
37.833	0.00	0.02	0.017	0					0.43
37.917	0.00	0.02	0.017	0					0.43
38.000	0.00	0.02	0.017	0					0.42
38.083	0.00	0.02	0.017	0					0.42
38.167	0.00	0.02	0.017	0					0.42
38.250	0.00	0.02	0.016	0					0.42
38.333	0.00	0.02	0.016	0					0.41
38.417	0.00	0.02	0.016	0					0.41
38.500	0.00	0.02	0.016	0					0.41
38.583	0.00	0.02	0.016	0					0.41
38.667	0.00	0.02	0.016	0					0.40
38.750	0.00	0.02	0.016	0					0.40
38.833	0.00	0.02	0.016	0					0.40
38.917	0.00	0.02	0.015	0					0.40
39.000	0.00	0.02	0.015	0					0.39
39.083	0.00	0.02	0.015	0					0.39
39.167	0.00	0.02	0.015	0					0.39
39.250	0.00	0.02	0.015	0					0.39
39.333	0.00	0.02	0.015	0					0.38

39.417	0.00	0.02	0.015	0					0.38
39.500	0.00	0.02	0.015	0					0.38
39.583	0.00	0.02	0.015	0					0.38
39.667	0.00	0.02	0.014	0					0.37
39.750	0.00	0.02	0.014	0					0.37
39.833	0.00	0.02	0.014	0					0.37
39.917	0.00	0.02	0.014	0					0.37
40.000	0.00	0.02	0.014	0					0.36
40.083	0.00	0.02	0.014	0					0.36
40.167	0.00	0.02	0.014	0					0.36
40.250	0.00	0.02	0.014	0					0.36
40.333	0.00	0.02	0.014	0					0.35
40.417	0.00	0.02	0.013	0					0.35
40.500	0.00	0.02	0.013	0					0.35
40.583	0.00	0.02	0.013	0					0.35
40.667	0.00	0.02	0.013	0					0.34
40.750	0.00	0.02	0.013	0					0.34
40.833	0.00	0.02	0.013	0					0.34
40.917	0.00	0.02	0.013	0					0.34
41.000	0.00	0.02	0.013	0					0.34
41.083	0.00	0.01	0.013	0					0.33
41.167	0.00	0.01	0.013	0					0.33
41.250	0.00	0.01	0.012	0					0.33
41.333	0.00	0.01	0.012	0					0.33
41.417	0.00	0.01	0.012	0					0.32
41.500	0.00	0.01	0.012	0					0.32
41.583	0.00	0.01	0.012	0					0.32
41.667	0.00	0.01	0.012	0					0.32
41.750	0.00	0.01	0.012	0					0.32
41.833	0.00	0.01	0.012	0					0.31
41.917	0.00	0.01	0.012	0					0.31
42.000	0.00	0.01	0.012	0					0.31
42.083	0.00	0.01	0.011	0					0.31
42.167	0.00	0.01	0.011	0					0.30
42.250	0.00	0.01	0.011	0					0.30
42.333	0.00	0.01	0.011	0					0.30
42.417	0.00	0.01	0.011	0					0.30
42.500	0.00	0.01	0.011	0					0.30
42.583	0.00	0.01	0.011	0					0.29
42.667	0.00	0.01	0.011	0					0.29
42.750	0.00	0.01	0.011	0					0.29
42.833	0.00	0.01	0.011	0					0.29
42.917	0.00	0.01	0.010	0					0.29
43.000	0.00	0.01	0.010	0					0.28
43.083	0.00	0.01	0.010	0					0.28
43.167	0.00	0.01	0.010	0					0.28
43.250	0.00	0.01	0.010	0					0.28
43.333	0.00	0.01	0.010	0					0.28
43.417	0.00	0.01	0.010	0					0.27
43.500	0.00	0.01	0.010	0					0.27

43.583	0.00	0.01	0.010	0					0.27
43.667	0.00	0.01	0.010	0					0.27
43.750	0.00	0.01	0.010	0					0.27
43.833	0.00	0.01	0.009	0					0.26
43.917	0.00	0.01	0.009	0					0.26
44.000	0.00	0.01	0.009	0					0.26
44.083	0.00	0.01	0.009	0					0.26
44.167	0.00	0.01	0.009	0					0.26
44.250	0.00	0.01	0.009	0					0.25
44.333	0.00	0.01	0.009	0					0.25
44.417	0.00	0.01	0.009	0					0.25
44.500	0.00	0.01	0.009	0					0.25
44.583	0.00	0.01	0.009	0					0.25
44.667	0.00	0.01	0.009	0					0.24
44.750	0.00	0.01	0.008	0					0.24
44.833	0.00	0.01	0.008	0					0.24
44.917	0.00	0.01	0.008	0					0.24
45.000	0.00	0.01	0.008	0					0.24
45.083	0.00	0.01	0.008	0					0.24
45.167	0.00	0.01	0.008	0					0.23
45.250	0.00	0.01	0.008	0					0.23
45.333	0.00	0.01	0.008	0					0.23
45.417	0.00	0.01	0.008	0					0.23
45.500	0.00	0.01	0.008	0					0.23
45.583	0.00	0.01	0.008	0					0.22
45.667	0.00	0.01	0.008	0					0.22
45.750	0.00	0.01	0.008	0					0.22
45.833	0.00	0.01	0.007	0					0.22
45.917	0.00	0.01	0.007	0					0.22
46.000	0.00	0.01	0.007	0					0.22
46.083	0.00	0.01	0.007	0					0.21
46.167	0.00	0.01	0.007	0					0.21
46.250	0.00	0.01	0.007	0					0.21
46.333	0.00	0.01	0.007	0					0.21
46.417	0.00	0.01	0.007	0					0.21
46.500	0.00	0.01	0.007	0					0.21
46.583	0.00	0.01	0.007	0					0.20
46.667	0.00	0.01	0.007	0					0.20
46.750	0.00	0.01	0.007	0					0.20
46.833	0.00	0.01	0.006	0					0.20
46.917	0.00	0.01	0.006	0					0.20
47.000	0.00	0.01	0.006	0					0.20
47.083	0.00	0.01	0.006	0					0.19
47.167	0.00	0.01	0.006	0					0.19
47.250	0.00	0.01	0.006	0					0.19
47.333	0.00	0.01	0.006	0					0.19
47.417	0.00	0.01	0.006	0					0.19
47.500	0.00	0.01	0.006	0					0.19
47.583	0.00	0.01	0.006	0					0.18
47.667	0.00	0.01	0.006	0					0.18

47.750	0.00	0.01	0.006	0					0.18
47.833	0.00	0.01	0.006	0					0.18
47.917	0.00	0.01	0.006	0					0.18
48.000	0.00	0.01	0.005	0					0.18
48.083	0.00	0.01	0.005	0					0.17
48.167	0.00	0.01	0.005	0					0.17
48.250	0.00	0.01	0.005	0					0.17
48.333	0.00	0.01	0.005	0					0.17
48.417	0.00	0.01	0.005	0					0.17
48.500	0.00	0.01	0.005	0					0.17
48.583	0.00	0.01	0.005	0					0.17
48.667	0.00	0.01	0.005	0					0.16
48.750	0.00	0.01	0.005	0					0.16
48.833	0.00	0.01	0.005	0					0.16
48.917	0.00	0.01	0.005	0					0.16
49.000	0.00	0.01	0.005	0					0.16
49.083	0.00	0.01	0.005	0					0.16
49.167	0.00	0.01	0.005	0					0.16
49.250	0.00	0.01	0.004	0					0.15
49.333	0.00	0.01	0.004	0					0.15
49.417	0.00	0.01	0.004	0					0.15
49.500	0.00	0.01	0.004	0					0.15
49.583	0.00	0.01	0.004	0					0.15
49.667	0.00	0.01	0.004	0					0.15
49.750	0.00	0.01	0.004	0					0.15
49.833	0.00	0.01	0.004	0					0.14
49.917	0.00	0.01	0.004	0					0.14
50.000	0.00	0.01	0.004	0					0.14
50.083	0.00	0.01	0.004	0					0.14
50.167	0.00	0.01	0.004	0					0.14
50.250	0.00	0.01	0.004	0					0.14
50.333	0.00	0.01	0.004	0					0.14
50.417	0.00	0.01	0.004	0					0.13
50.500	0.00	0.01	0.003	0					0.13
50.583	0.00	0.01	0.003	0					0.13
50.667	0.00	0.01	0.003	0					0.13
50.750	0.00	0.01	0.003	0					0.13
50.833	0.00	0.01	0.003	0					0.13
50.917	0.00	0.01	0.003	0					0.13
51.000	0.00	0.01	0.003	0					0.12
51.083	0.00	0.01	0.003	0					0.12
51.167	0.00	0.01	0.003	0					0.12
51.250	0.00	0.01	0.003	0					0.12
51.333	0.00	0.01	0.003	0					0.12
51.417	0.00	0.01	0.003	0					0.12
51.500	0.00	0.01	0.003	0					0.12
51.583	0.00	0.01	0.003	0					0.12
51.667	0.00	0.01	0.003	0					0.11
51.750	0.00	0.01	0.003	0					0.11
51.833	0.00	0.01	0.003	0					0.11

51.917	0.00	0.01	0.002	0					0.11
52.000	0.00	0.01	0.002	0					0.11
52.083	0.00	0.01	0.002	0					0.11
52.167	0.00	0.01	0.002	0					0.11
52.250	0.00	0.01	0.002	0					0.11
52.333	0.00	0.01	0.002	0					0.10
52.417	0.00	0.01	0.002	0					0.10
52.500	0.00	0.01	0.002	0					0.10
52.583	0.00	0.01	0.002	0					0.10
52.667	0.00	0.01	0.002	0					0.10
52.750	0.00	0.01	0.002	0					0.10
52.833	0.00	0.01	0.002	0					0.09
52.917	0.00	0.01	0.002	0					0.09
53.000	0.00	0.01	0.002	0					0.09
53.083	0.00	0.01	0.002	0					0.09
53.167	0.00	0.01	0.002	0					0.08
53.250	0.00	0.01	0.002	0					0.08
53.333	0.00	0.01	0.002	0					0.08
53.417	0.00	0.01	0.002	0					0.08
53.500	0.00	0.01	0.001	0					0.07
53.583	0.00	0.01	0.001	0					0.07
53.667	0.00	0.01	0.001	0					0.07
53.750	0.00	0.01	0.001	0					0.07
53.833	0.00	0.01	0.001	0					0.07
53.917	0.00	0.01	0.001	0					0.07
54.000	0.00	0.01	0.001	0					0.06
54.083	0.00	0.00	0.001	0					0.06
54.167	0.00	0.00	0.001	0					0.06
54.250	0.00	0.00	0.001	0					0.06
54.333	0.00	0.00	0.001	0					0.06
54.417	0.00	0.00	0.001	0					0.06
54.500	0.00	0.00	0.001	0					0.05
54.583	0.00	0.00	0.001	0					0.05
54.667	0.00	0.00	0.001	0					0.05
54.750	0.00	0.00	0.001	0					0.05
54.833	0.00	0.00	0.001	0					0.05
54.917	0.00	0.00	0.001	0					0.05
55.000	0.00	0.00	0.001	0					0.05
55.083	0.00	0.00	0.001	0					0.04
55.167	0.00	0.00	0.001	0					0.04
55.250	0.00	0.00	0.001	0					0.04
55.333	0.00	0.00	0.001	0					0.04
55.417	0.00	0.00	0.001	0					0.04
55.500	0.00	0.00	0.001	0					0.04
55.583	0.00	0.00	0.001	0					0.04
55.667	0.00	0.00	0.001	0					0.04
55.750	0.00	0.00	0.001	0					0.04
55.833	0.00	0.00	0.001	0					0.03
55.917	0.00	0.00	0.001	0					0.03
56.000	0.00	0.00	0.001	0					0.03

56.083	0.00	0.00	0.001	0					0.03
56.167	0.00	0.00	0.001	0					0.03
56.250	0.00	0.00	0.001	0					0.03
56.333	0.00	0.00	0.001	0					0.03
56.417	0.00	0.00	0.001	0					0.03
56.500	0.00	0.00	0.001	0					0.03
56.583	0.00	0.00	0.001	0					0.03
56.667	0.00	0.00	0.001	0					0.03
56.750	0.00	0.00	0.001	0					0.03
56.833	0.00	0.00	0.000	0					0.02
56.917	0.00	0.00	0.000	0					0.02
57.000	0.00	0.00	0.000	0					0.02
57.083	0.00	0.00	0.000	0					0.02
57.167	0.00	0.00	0.000	0					0.02
57.250	0.00	0.00	0.000	0					0.02
57.333	0.00	0.00	0.000	0					0.02
57.417	0.00	0.00	0.000	0					0.02
57.500	0.00	0.00	0.000	0					0.02
57.583	0.00	0.00	0.000	0					0.02
57.667	0.00	0.00	0.000	0					0.02
57.750	0.00	0.00	0.000	0					0.02
57.833	0.00	0.00	0.000	0					0.02
57.917	0.00	0.00	0.000	0					0.02
58.000	0.00	0.00	0.000	0					0.02
58.083	0.00	0.00	0.000	0					0.02
58.167	0.00	0.00	0.000	0					0.02
58.250	0.00	0.00	0.000	0					0.02
58.333	0.00	0.00	0.000	0					0.02
58.417	0.00	0.00	0.000	0					0.01
58.500	0.00	0.00	0.000	0					0.01
58.583	0.00	0.00	0.000	0					0.01
58.667	0.00	0.00	0.000	0					0.01
58.750	0.00	0.00	0.000	0					0.01
58.833	0.00	0.00	0.000	0					0.01
58.917	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 707

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.052 (CFS)

Total volume = 0.133 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
2 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da3242.rte
*****HYDROGRAPH DATA*****
Number of intervals = 289
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.599 (CFS)
Total volume = 0.364 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 289
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.30	0.45	0.60	Depth (Ft.)
0.083	0.02	0.00	0.000	OI					0.00
0.167	0.04	0.00	0.000	OI					0.01
0.250	0.04	0.00	0.001	OI					0.03
0.333	0.05	0.00	0.001	O I					0.04
0.417	0.05	0.00	0.001	O I					0.05
0.500	0.05	0.01	0.001	O I					0.07
0.583	0.05	0.01	0.002	O I					0.09
0.667	0.05	0.01	0.002	O I					0.10
0.750	0.05	0.01	0.002	O I					0.11
0.833	0.06	0.01	0.003	O I					0.12
0.917	0.07	0.01	0.003	O I					0.12
1.000	0.07	0.01	0.004	O I					0.13
1.083	0.06	0.01	0.004	O I					0.14
1.167	0.05	0.01	0.004	O I					0.15
1.250	0.05	0.01	0.005	O I					0.16
1.333	0.05	0.01	0.005	O I					0.16
1.417	0.05	0.01	0.005	O I					0.17
1.500	0.05	0.01	0.005	O I					0.18
1.583	0.05	0.01	0.006	O I					0.18
1.667	0.05	0.01	0.006	O I					0.19
1.750	0.05	0.01	0.006	O I					0.19
1.833	0.06	0.01	0.007	O I					0.20

1.917	0.07	0.01	0.007	0	I					0.21
2.000	0.07	0.01	0.007	0	I					0.22
2.083	0.07	0.01	0.008	0	I					0.23
2.167	0.07	0.01	0.008	0	I					0.24
2.250	0.07	0.01	0.009	0	I					0.25
2.333	0.07	0.01	0.009	0	I					0.25
2.417	0.07	0.01	0.009	0	I					0.26
2.500	0.07	0.01	0.010	0	I					0.27
2.583	0.08	0.01	0.010	0	I					0.28
2.667	0.09	0.01	0.011	0	I					0.29
2.750	0.09	0.01	0.011	0	I					0.30
2.833	0.09	0.01	0.012	0	I					0.31
2.917	0.09	0.01	0.012	0	I					0.33
3.000	0.09	0.02	0.013	0	I					0.34
3.083	0.09	0.02	0.013	0	I					0.35
3.167	0.09	0.02	0.014	0	I					0.36
3.250	0.09	0.02	0.014	0	I					0.37
3.333	0.09	0.02	0.015	0	I					0.38
3.417	0.09	0.02	0.015	0	I					0.39
3.500	0.09	0.02	0.016	0	I					0.40
3.583	0.09	0.02	0.016	0	I					0.41
3.667	0.09	0.02	0.017	0	I					0.42
3.750	0.09	0.02	0.017	0	I					0.43
3.833	0.10	0.02	0.018	0	I					0.45
3.917	0.11	0.02	0.018	0	I					0.46
4.000	0.11	0.02	0.019	0	I					0.47
4.083	0.11	0.02	0.020	0	I					0.48
4.167	0.11	0.02	0.020	0	I					0.50
4.250	0.11	0.02	0.021	0	I					0.51
4.333	0.12	0.02	0.021	0	I					0.52
4.417	0.12	0.02	0.022	0	I					0.54
4.500	0.12	0.02	0.023	0	I					0.55
4.583	0.12	0.02	0.023	0	I					0.57
4.667	0.12	0.02	0.024	0	I					0.59
4.750	0.12	0.02	0.025	0	I					0.60
4.833	0.14	0.02	0.026	0	I					0.62
4.917	0.14	0.02	0.026	0	I					0.63
5.000	0.14	0.02	0.027	0	I					0.65
5.083	0.12	0.03	0.028	0	I					0.67
5.167	0.11	0.03	0.028	0	I					0.68
5.250	0.11	0.03	0.029	0	I					0.69
5.333	0.12	0.03	0.030	0	I					0.71
5.417	0.12	0.03	0.030	0	I					0.72
5.500	0.12	0.03	0.031	0	I					0.73
5.583	0.14	0.03	0.032	0	I					0.75
5.667	0.14	0.03	0.032	0	I					0.77
5.750	0.14	0.03	0.033	0	I					0.78
5.833	0.14	0.03	0.034	0	I					0.80
5.917	0.14	0.03	0.035	0	I					0.82
6.000	0.14	0.03	0.035	0	I					0.83

6.083	0.15	0.03	0.036	0	I				0.85
6.167	0.16	0.03	0.037	0	I				0.87
6.250	0.16	0.03	0.038	0	I				0.89
6.333	0.16	0.03	0.039	0	I				0.91
6.417	0.16	0.03	0.040	0	I				0.93
6.500	0.16	0.03	0.041	0	I				0.95
6.583	0.17	0.03	0.041	0	I				0.97
6.667	0.18	0.03	0.042	0	I				0.99
6.750	0.18	0.04	0.043	0	I				1.01
6.833	0.18	0.04	0.044	0	I				1.02
6.917	0.18	0.04	0.045	0	I				1.03
7.000	0.18	0.04	0.046	0	I				1.05
7.083	0.18	0.04	0.047	0	I				1.06
7.167	0.18	0.04	0.048	0	I				1.08
7.250	0.18	0.04	0.049	0	I				1.09
7.333	0.19	0.04	0.050	0	I				1.10
7.417	0.19	0.04	0.051	0	I				1.12
7.500	0.19	0.04	0.052	0	I				1.13
7.583	0.21	0.04	0.053	0	I				1.15
7.667	0.21	0.04	0.055	0	I				1.17
7.750	0.21	0.04	0.056	0	I				1.18
7.833	0.22	0.04	0.057	0	I				1.20
7.917	0.23	0.04	0.058	0	I				1.22
8.000	0.23	0.04	0.060	0	I				1.24
8.083	0.25	0.04	0.061	0	I				1.26
8.167	0.26	0.04	0.063	0	I				1.28
8.250	0.26	0.04	0.064	0	I				1.30
8.333	0.26	0.04	0.066	0	I				1.32
8.417	0.26	0.04	0.067	0	I				1.35
8.500	0.26	0.04	0.069	0	I				1.37
8.583	0.28	0.04	0.070	0	I				1.39
8.667	0.28	0.04	0.072	0	I				1.41
8.750	0.28	0.04	0.074	0	I				1.44
8.833	0.29	0.04	0.075	0	I				1.46
8.917	0.30	0.04	0.077	0	I				1.49
9.000	0.30	0.04	0.079	0	I				1.51
9.083	0.32	0.04	0.081	0	I				1.54
9.167	0.33	0.04	0.083	0	I				1.57
9.250	0.33	0.04	0.085	0	I				1.60
9.333	0.35	0.04	0.087	0	I				1.63
9.417	0.35	0.04	0.089	0	I				1.66
9.500	0.35	0.05	0.091	0	I				1.69
9.583	0.36	0.05	0.093	0	I				1.72
9.667	0.37	0.05	0.095	0	I				1.75
9.750	0.37	0.05	0.098	0	I				1.78
9.833	0.38	0.05	0.100	0	I				1.81
9.917	0.39	0.05	0.102	0	I				1.85
10.000	0.39	0.05	0.105	0	I				1.88
10.083	0.31	0.05	0.107	0	I				1.91
10.167	0.26	0.05	0.108	0	I				1.93

10.250	0.26	0.05	0.110	0	I			1.95
10.333	0.26	0.05	0.111	0	I			1.97
10.417	0.26	0.05	0.113	0	I			1.99
10.500	0.26	0.05	0.114	0	I			2.01
10.583	0.32	0.05	0.116	0		I		2.03
10.667	0.35	0.05	0.118	0		I		2.06
10.750	0.35	0.05	0.120	0		I		2.08
10.833	0.35	0.05	0.122	0		I		2.11
10.917	0.35	0.05	0.124	0		I		2.13
11.000	0.35	0.05	0.126	0		I		2.16
11.083	0.34	0.05	0.128	0		I		2.18
11.167	0.33	0.05	0.130	0		I		2.21
11.250	0.33	0.05	0.132	0		I		2.23
11.333	0.33	0.05	0.134	0		I		2.25
11.417	0.33	0.05	0.136	0		I		2.28
11.500	0.33	0.05	0.138	0		I		2.30
11.583	0.31	0.05	0.140	0	I			2.32
11.667	0.30	0.05	0.141	0	I			2.34
11.750	0.30	0.05	0.143	0	I			2.36
11.833	0.31	0.05	0.145	0	I			2.38
11.917	0.32	0.05	0.147	0	I			2.41
12.000	0.32	0.05	0.148	0	I			2.43
12.083	0.40	0.05	0.151	0		I		2.45
12.167	0.44	0.06	0.153	0			I	2.48
12.250	0.44	0.06	0.156	0			I	2.51
12.333	0.45	0.06	0.158	0			I	2.55
12.417	0.46	0.06	0.161	0			I	2.58
12.500	0.46	0.06	0.164	0			I	2.61
12.583	0.48	0.06	0.167	0			I	2.65
12.667	0.49	0.06	0.170	0			I	2.68
12.750	0.49	0.06	0.173	0			I	2.72
12.833	0.51	0.06	0.176	0			I	2.76
12.917	0.51	0.06	0.179	0			I	2.79
13.000	0.51	0.06	0.182	0			I	2.83
13.083	0.57	0.06	0.185	0				2.87
13.167	0.60	0.06	0.189	0				2.91
13.250	0.60	0.06	0.193	0				2.96
13.333	0.60	0.06	0.196	0				3.00
13.417	0.60	0.06	0.200	0				3.05
13.500	0.60	0.06	0.204	0				3.09
13.583	0.47	0.06	0.207	0			I	3.13
13.667	0.41	0.06	0.210	0		I		3.16
13.750	0.41	0.06	0.212	0		I		3.19
13.833	0.41	0.06	0.214	0		I		3.21
13.917	0.41	0.06	0.217	0		I		3.24
14.000	0.41	0.06	0.219	0		I		3.27
14.083	0.45	0.06	0.222	0			I	3.30
14.167	0.48	0.06	0.224	0			I	3.33
14.250	0.48	0.06	0.227	0			I	3.36
14.333	0.46	0.06	0.230	0			I	3.39

14.417	0.46	0.07	0.233	0			I	3.43
14.500	0.46	0.07	0.235	0			I	3.46
14.583	0.46	0.07	0.238	0			I	3.49
14.667	0.46	0.07	0.241	0			I	3.52
14.750	0.46	0.07	0.243	0			I	3.55
14.833	0.45	0.07	0.246	0			I	3.58
14.917	0.44	0.07	0.249	0			I	3.61
15.000	0.44	0.07	0.251	0			I	3.64
15.083	0.43	0.07	0.254	0			I	3.67
15.167	0.42	0.07	0.256	0			I	3.70
15.250	0.42	0.07	0.259	0			I	3.73
15.333	0.41	0.07	0.261	0			I	3.76
15.417	0.41	0.07	0.263	0			I	3.78
15.500	0.41	0.07	0.266	0			I	3.81
15.583	0.36	0.07	0.268	0		I		3.84
15.667	0.33	0.07	0.270	0		I		3.86
15.750	0.33	0.07	0.272	0		I		3.88
15.833	0.33	0.07	0.273	0		I		3.90
15.917	0.33	0.07	0.275	0		I		3.92
16.000	0.33	0.07	0.277	0		I		3.94
16.083	0.16	0.07	0.278	0	I			3.96
16.167	0.07	0.07	0.279	0				3.96
16.250	0.07	0.07	0.279	0				3.96
16.333	0.07	0.07	0.279	0				3.96
16.417	0.07	0.07	0.279	0				3.96
16.500	0.07	0.07	0.279	0				3.96
16.583	0.06	0.07	0.279	0				3.96
16.667	0.05	0.07	0.278	IO				3.96
16.750	0.05	0.07	0.278	IO				3.96
16.833	0.05	0.07	0.278	IO				3.96
16.917	0.05	0.07	0.278	IO				3.95
17.000	0.05	0.07	0.278	IO				3.95
17.083	0.08	0.07	0.278	OI				3.95
17.167	0.09	0.07	0.278	OI				3.95
17.250	0.09	0.07	0.278	OI				3.96
17.333	0.09	0.07	0.278	OI				3.96
17.417	0.09	0.07	0.278	OI				3.96
17.500	0.09	0.07	0.279	OI				3.96
17.583	0.09	0.07	0.279	OI				3.96
17.667	0.09	0.07	0.279	OI				3.96
17.750	0.09	0.07	0.279	OI				3.96
17.833	0.08	0.07	0.279	OI				3.96
17.917	0.07	0.07	0.279	0				3.97
18.000	0.07	0.07	0.279	0				3.96
18.083	0.07	0.07	0.279	0				3.96
18.167	0.07	0.07	0.279	0				3.96
18.250	0.07	0.07	0.279	0				3.96
18.333	0.07	0.07	0.279	0				3.96
18.417	0.07	0.07	0.279	0				3.96
18.500	0.07	0.07	0.279	0				3.96

18.583	0.06	0.07	0.279	0					3.96
18.667	0.05	0.07	0.279	IO					3.96
18.750	0.05	0.07	0.279	IO					3.96
18.833	0.04	0.07	0.279	IO					3.96
18.917	0.04	0.07	0.278	I 0					3.96
19.000	0.04	0.07	0.278	I 0					3.95
19.083	0.05	0.07	0.278	IO					3.95
19.167	0.05	0.07	0.278	IO					3.95
19.250	0.05	0.07	0.278	IO					3.95
19.333	0.06	0.07	0.278	0					3.95
19.417	0.07	0.07	0.278	0					3.95
19.500	0.07	0.07	0.278	0					3.95
19.583	0.06	0.07	0.277	0					3.95
19.667	0.05	0.07	0.277	IO					3.95
19.750	0.05	0.07	0.277	IO					3.94
19.833	0.04	0.07	0.277	IO					3.94
19.917	0.04	0.07	0.277	I 0					3.94
20.000	0.04	0.07	0.277	I 0					3.94
20.083	0.05	0.07	0.276	IO					3.94
20.167	0.05	0.07	0.276	IO					3.93
20.250	0.05	0.07	0.276	IO					3.93
20.333	0.05	0.07	0.276	IO					3.93
20.417	0.05	0.07	0.276	IO					3.93
20.500	0.05	0.07	0.276	IO					3.93
20.583	0.05	0.07	0.276	IO					3.93
20.667	0.05	0.07	0.276	IO					3.93
20.750	0.05	0.07	0.275	IO					3.92
20.833	0.04	0.07	0.275	IO					3.92
20.917	0.04	0.07	0.275	I 0					3.92
21.000	0.04	0.07	0.275	I 0					3.92
21.083	0.05	0.07	0.275	IO					3.91
21.167	0.05	0.07	0.274	IO					3.91
21.250	0.05	0.07	0.274	IO					3.91
21.333	0.04	0.07	0.274	IO					3.91
21.417	0.04	0.07	0.274	I 0					3.91
21.500	0.04	0.07	0.274	I 0					3.90
21.583	0.05	0.07	0.274	IO					3.90
21.667	0.05	0.07	0.273	IO					3.90
21.750	0.05	0.07	0.273	IO					3.90
21.833	0.04	0.07	0.273	IO					3.90
21.917	0.04	0.07	0.273	I 0					3.89
22.000	0.04	0.07	0.273	I 0					3.89
22.083	0.05	0.07	0.272	IO					3.89
22.167	0.05	0.07	0.272	IO					3.89
22.250	0.05	0.07	0.272	IO					3.89
22.333	0.04	0.07	0.272	IO					3.88
22.417	0.04	0.07	0.272	I 0					3.88
22.500	0.04	0.07	0.272	I 0					3.88
22.583	0.04	0.07	0.271	I 0					3.88
22.667	0.04	0.07	0.271	I 0					3.87

22.750	0.04	0.07	0.271	I 0					3.87
22.833	0.04	0.07	0.271	I 0					3.87
22.917	0.04	0.07	0.270	I 0					3.87
23.000	0.04	0.07	0.270	I 0					3.86
23.083	0.04	0.07	0.270	I 0					3.86
23.167	0.04	0.07	0.270	I 0					3.86
23.250	0.04	0.07	0.269	I 0					3.85
23.333	0.04	0.07	0.269	I 0					3.85
23.417	0.04	0.07	0.269	I 0					3.85
23.500	0.04	0.07	0.269	I 0					3.85
23.583	0.04	0.07	0.269	I 0					3.84
23.667	0.04	0.07	0.268	I 0					3.84
23.750	0.04	0.07	0.268	I 0					3.84
23.833	0.04	0.07	0.268	I 0					3.84
23.917	0.04	0.07	0.268	I 0					3.83
24.000	0.04	0.07	0.267	I 0					3.83
24.083	0.01	0.07	0.267	I 0					3.83
24.167	0.00	0.07	0.267	I 0					3.82
24.250	0.00	0.07	0.266	I 0					3.82
24.333	0.00	0.07	0.266	I 0					3.81
24.417	0.00	0.07	0.265	I 0					3.80
24.500	0.00	0.07	0.265	I 0					3.80
24.583	0.00	0.07	0.264	I 0					3.79
24.667	0.00	0.07	0.264	I 0					3.79
24.750	0.00	0.07	0.263	I 0					3.78
24.833	0.00	0.07	0.263	I 0					3.78
24.917	0.00	0.07	0.262	I 0					3.77
25.000	0.00	0.07	0.262	I 0					3.77
25.083	0.00	0.07	0.261	I 0					3.76
25.167	0.00	0.07	0.261	I 0					3.75
25.250	0.00	0.07	0.260	I 0					3.75
25.333	0.00	0.07	0.260	I 0					3.74
25.417	0.00	0.07	0.260	I 0					3.74
25.500	0.00	0.07	0.259	I 0					3.73
25.583	0.00	0.07	0.259	I 0					3.73
25.667	0.00	0.07	0.258	I 0					3.72
25.750	0.00	0.07	0.258	I 0					3.72
25.833	0.00	0.07	0.257	I 0					3.71
25.917	0.00	0.07	0.257	I 0					3.71
26.000	0.00	0.07	0.256	I 0					3.70
26.083	0.00	0.07	0.256	I 0					3.69
26.167	0.00	0.07	0.255	I 0					3.69
26.250	0.00	0.07	0.255	I 0					3.68
26.333	0.00	0.07	0.254	I 0					3.68
26.417	0.00	0.07	0.254	I 0					3.67
26.500	0.00	0.07	0.253	I 0					3.67
26.583	0.00	0.07	0.253	I 0					3.66
26.667	0.00	0.07	0.252	I 0					3.66
26.750	0.00	0.07	0.252	I 0					3.65
26.833	0.00	0.07	0.252	I 0					3.65

26.917	0.00	0.07	0.251	I	0					3.64
27.000	0.00	0.07	0.251	I	0					3.64
27.083	0.00	0.07	0.250	I	0					3.63
27.167	0.00	0.07	0.250	I	0					3.62
27.250	0.00	0.07	0.249	I	0					3.62
27.333	0.00	0.07	0.249	I	0					3.61
27.417	0.00	0.07	0.248	I	0					3.61
27.500	0.00	0.07	0.248	I	0					3.60
27.583	0.00	0.07	0.247	I	0					3.60
27.667	0.00	0.07	0.247	I	0					3.59
27.750	0.00	0.07	0.246	I	0					3.59
27.833	0.00	0.07	0.246	I	0					3.58
27.917	0.00	0.07	0.246	I	0					3.58
28.000	0.00	0.07	0.245	I	0					3.57
28.083	0.00	0.07	0.245	I	0					3.57
28.167	0.00	0.07	0.244	I	0					3.56
28.250	0.00	0.07	0.244	I	0					3.55
28.333	0.00	0.07	0.243	I	0					3.55
28.417	0.00	0.07	0.243	I	0					3.54
28.500	0.00	0.07	0.242	I	0					3.54
28.583	0.00	0.07	0.242	I	0					3.53
28.667	0.00	0.07	0.241	I	0					3.53
28.750	0.00	0.07	0.241	I	0					3.52
28.833	0.00	0.07	0.241	I	0					3.52
28.917	0.00	0.07	0.240	I	0					3.51
29.000	0.00	0.07	0.240	I	0					3.51
29.083	0.00	0.07	0.239	I	0					3.50
29.167	0.00	0.07	0.239	I	0					3.50
29.250	0.00	0.07	0.238	I	0					3.49
29.333	0.00	0.07	0.238	I	0					3.49
29.417	0.00	0.07	0.237	I	0					3.48
29.500	0.00	0.07	0.237	I	0					3.48
29.583	0.00	0.07	0.236	I	0					3.47
29.667	0.00	0.07	0.236	I	0					3.46
29.750	0.00	0.07	0.236	I	0					3.46
29.833	0.00	0.07	0.235	I	0					3.45
29.917	0.00	0.07	0.235	I	0					3.45
30.000	0.00	0.07	0.234	I	0					3.44
30.083	0.00	0.07	0.234	I	0					3.44
30.167	0.00	0.07	0.233	I	0					3.43
30.250	0.00	0.07	0.233	I	0					3.43
30.333	0.00	0.07	0.232	I	0					3.42
30.417	0.00	0.07	0.232	I	0					3.42
30.500	0.00	0.07	0.231	I	0					3.41
30.583	0.00	0.07	0.231	I	0					3.41
30.667	0.00	0.07	0.231	I	0					3.40
30.750	0.00	0.06	0.230	I	0					3.40
30.833	0.00	0.06	0.230	I	0					3.39
30.917	0.00	0.06	0.229	I	0					3.39
31.000	0.00	0.06	0.229	I	0					3.38

31.083	0.00	0.06	0.228	I	0					3.38
31.167	0.00	0.06	0.228	I	0					3.37
31.250	0.00	0.06	0.227	I	0					3.37
31.333	0.00	0.06	0.227	I	0					3.36
31.417	0.00	0.06	0.227	I	0					3.36
31.500	0.00	0.06	0.226	I	0					3.35
31.583	0.00	0.06	0.226	I	0					3.35
31.667	0.00	0.06	0.225	I	0					3.34
31.750	0.00	0.06	0.225	I	0					3.33
31.833	0.00	0.06	0.224	I	0					3.33
31.917	0.00	0.06	0.224	I	0					3.32
32.000	0.00	0.06	0.223	I	0					3.32
32.083	0.00	0.06	0.223	I	0					3.31
32.167	0.00	0.06	0.223	I	0					3.31
32.250	0.00	0.06	0.222	I	0					3.30
32.333	0.00	0.06	0.222	I	0					3.30
32.417	0.00	0.06	0.221	I	0					3.29
32.500	0.00	0.06	0.221	I	0					3.29
32.583	0.00	0.06	0.220	I	0					3.28
32.667	0.00	0.06	0.220	I	0					3.28
32.750	0.00	0.06	0.219	I	0					3.27
32.833	0.00	0.06	0.219	I	0					3.27
32.917	0.00	0.06	0.219	I	0					3.26
33.000	0.00	0.06	0.218	I	0					3.26
33.083	0.00	0.06	0.218	I	0					3.25
33.167	0.00	0.06	0.217	I	0					3.25
33.250	0.00	0.06	0.217	I	0					3.24
33.333	0.00	0.06	0.216	I	0					3.24
33.417	0.00	0.06	0.216	I	0					3.23
33.500	0.00	0.06	0.216	I	0					3.23
33.583	0.00	0.06	0.215	I	0					3.22
33.667	0.00	0.06	0.215	I	0					3.22
33.750	0.00	0.06	0.214	I	0					3.21
33.833	0.00	0.06	0.214	I	0					3.21
33.917	0.00	0.06	0.213	I	0					3.20
34.000	0.00	0.06	0.213	I	0					3.20
34.083	0.00	0.06	0.213	I	0					3.19
34.167	0.00	0.06	0.212	I	0					3.19
34.250	0.00	0.06	0.212	I	0					3.18
34.333	0.00	0.06	0.211	I	0					3.18
34.417	0.00	0.06	0.211	I	0					3.17
34.500	0.00	0.06	0.210	I	0					3.17
34.583	0.00	0.06	0.210	I	0					3.16
34.667	0.00	0.06	0.209	I	0					3.16
34.750	0.00	0.06	0.209	I	0					3.15
34.833	0.00	0.06	0.209	I	0					3.15
34.917	0.00	0.06	0.208	I	0					3.14
35.000	0.00	0.06	0.208	I	0					3.14
35.083	0.00	0.06	0.207	I	0					3.13
35.167	0.00	0.06	0.207	I	0					3.13

35.250	0.00	0.06	0.206	I	0					3.12
35.333	0.00	0.06	0.206	I	0					3.12
35.417	0.00	0.06	0.206	I	0					3.11
35.500	0.00	0.06	0.205	I	0					3.11
35.583	0.00	0.06	0.205	I	0					3.10
35.667	0.00	0.06	0.204	I	0					3.10
35.750	0.00	0.06	0.204	I	0					3.09
35.833	0.00	0.06	0.203	I	0					3.09
35.917	0.00	0.06	0.203	I	0					3.08
36.000	0.00	0.06	0.203	I	0					3.08
36.083	0.00	0.06	0.202	I	0					3.07
36.167	0.00	0.06	0.202	I	0					3.07
36.250	0.00	0.06	0.201	I	0					3.06
36.333	0.00	0.06	0.201	I	0					3.06
36.417	0.00	0.06	0.201	I	0					3.05
36.500	0.00	0.06	0.200	I	0					3.05
36.583	0.00	0.06	0.200	I	0					3.04
36.667	0.00	0.06	0.199	I	0					3.04
36.750	0.00	0.06	0.199	I	0					3.03
36.833	0.00	0.06	0.198	I	0					3.03
36.917	0.00	0.06	0.198	I	0					3.02
37.000	0.00	0.06	0.198	I	0					3.02
37.083	0.00	0.06	0.197	I	0					3.01
37.167	0.00	0.06	0.197	I	0					3.01
37.250	0.00	0.06	0.196	I	0					3.00
37.333	0.00	0.06	0.196	I	0					3.00
37.417	0.00	0.06	0.195	I	0					2.99
37.500	0.00	0.06	0.195	I	0					2.99
37.583	0.00	0.06	0.195	I	0					2.98
37.667	0.00	0.06	0.194	I	0					2.98
37.750	0.00	0.06	0.194	I	0					2.97
37.833	0.00	0.06	0.193	I	0					2.97
37.917	0.00	0.06	0.193	I	0					2.96
38.000	0.00	0.06	0.193	I	0					2.96
38.083	0.00	0.06	0.192	I	0					2.95
38.167	0.00	0.06	0.192	I	0					2.95
38.250	0.00	0.06	0.191	I	0					2.94
38.333	0.00	0.06	0.191	I	0					2.94
38.417	0.00	0.06	0.190	I	0					2.93
38.500	0.00	0.06	0.190	I	0					2.93
38.583	0.00	0.06	0.190	I	0					2.92
38.667	0.00	0.06	0.189	I	0					2.92
38.750	0.00	0.06	0.189	I	0					2.91
38.833	0.00	0.06	0.188	I	0					2.91
38.917	0.00	0.06	0.188	I	0					2.90
39.000	0.00	0.06	0.188	I	0					2.90
39.083	0.00	0.06	0.187	I	0					2.89
39.167	0.00	0.06	0.187	I	0					2.89
39.250	0.00	0.06	0.186	I	0					2.88
39.333	0.00	0.06	0.186	I	0					2.88

39.417	0.00	0.06	0.185	I	0					2.87
39.500	0.00	0.06	0.185	I	0					2.87
39.583	0.00	0.06	0.185	I	0					2.86
39.667	0.00	0.06	0.184	I	0					2.86
39.750	0.00	0.06	0.184	I	0					2.85
39.833	0.00	0.06	0.183	I	0					2.85
39.917	0.00	0.06	0.183	I	0					2.84
40.000	0.00	0.06	0.183	I	0					2.84
40.083	0.00	0.06	0.182	I	0					2.83
40.167	0.00	0.06	0.182	I	0					2.83
40.250	0.00	0.06	0.181	I	0					2.82
40.333	0.00	0.06	0.181	I	0					2.82
40.417	0.00	0.06	0.181	I	0					2.81
40.500	0.00	0.06	0.180	I	0					2.81
40.583	0.00	0.06	0.180	I	0					2.80
40.667	0.00	0.06	0.179	I	0					2.80
40.750	0.00	0.06	0.179	I	0					2.79
40.833	0.00	0.06	0.179	I	0					2.79
40.917	0.00	0.06	0.178	I	0					2.79
41.000	0.00	0.06	0.178	I	0					2.78
41.083	0.00	0.06	0.177	I	0					2.78
41.167	0.00	0.06	0.177	I	0					2.77
41.250	0.00	0.06	0.177	I	0					2.77
41.333	0.00	0.06	0.176	I	0					2.76
41.417	0.00	0.06	0.176	I	0					2.76
41.500	0.00	0.06	0.175	I	0					2.75
41.583	0.00	0.06	0.175	I	0					2.75
41.667	0.00	0.06	0.175	I	0					2.74
41.750	0.00	0.06	0.174	I	0					2.74
41.833	0.00	0.06	0.174	I	0					2.73
41.917	0.00	0.06	0.173	I	0					2.73
42.000	0.00	0.06	0.173	I	0					2.72
42.083	0.00	0.06	0.173	I	0					2.72
42.167	0.00	0.06	0.172	I	0					2.71
42.250	0.00	0.06	0.172	I	0					2.71
42.333	0.00	0.06	0.171	I	0					2.70
42.417	0.00	0.06	0.171	I	0					2.70
42.500	0.00	0.06	0.171	I	0					2.69
42.583	0.00	0.06	0.170	I	0					2.69
42.667	0.00	0.06	0.170	I	0					2.68
42.750	0.00	0.06	0.169	I	0					2.68
42.833	0.00	0.06	0.169	I	0					2.67
42.917	0.00	0.06	0.169	I	0					2.67
43.000	0.00	0.06	0.168	I	0					2.66
43.083	0.00	0.06	0.168	I	0					2.66
43.167	0.00	0.06	0.167	I	0					2.66
43.250	0.00	0.06	0.167	I	0					2.65
43.333	0.00	0.06	0.167	I	0					2.65
43.417	0.00	0.06	0.166	I	0					2.64
43.500	0.00	0.06	0.166	I	0					2.64

43.583	0.00	0.06	0.165	I	0					2.63
43.667	0.00	0.06	0.165	I	0					2.63
43.750	0.00	0.06	0.165	I	0					2.62
43.833	0.00	0.06	0.164	I	0					2.62
43.917	0.00	0.06	0.164	I	0					2.61
44.000	0.00	0.06	0.163	I	0					2.61
44.083	0.00	0.06	0.163	I	0					2.60
44.167	0.00	0.06	0.163	I	0					2.60
44.250	0.00	0.06	0.162	I	0					2.59
44.333	0.00	0.06	0.162	I	0					2.59
44.417	0.00	0.06	0.162	I	0					2.58
44.500	0.00	0.06	0.161	I	0					2.58
44.583	0.00	0.06	0.161	I	0					2.58
44.667	0.00	0.06	0.160	I	0					2.57
44.750	0.00	0.06	0.160	I	0					2.57
44.833	0.00	0.06	0.160	I	0					2.56
44.917	0.00	0.06	0.159	I	0					2.56
45.000	0.00	0.06	0.159	I	0					2.55
45.083	0.00	0.06	0.158	I	0					2.55
45.167	0.00	0.06	0.158	I	0					2.54
45.250	0.00	0.06	0.158	I	0					2.54
45.333	0.00	0.06	0.157	I	0					2.53
45.417	0.00	0.06	0.157	I	0					2.53
45.500	0.00	0.06	0.157	I	0					2.52
45.583	0.00	0.06	0.156	I	0					2.52
45.667	0.00	0.06	0.156	I	0					2.51
45.750	0.00	0.06	0.155	I	0					2.51
45.833	0.00	0.06	0.155	I	0					2.51
45.917	0.00	0.06	0.155	I	0					2.50
46.000	0.00	0.06	0.154	I	0					2.50
46.083	0.00	0.06	0.154	I	0					2.49
46.167	0.00	0.06	0.153	I	0					2.49
46.250	0.00	0.06	0.153	I	0					2.48
46.333	0.00	0.06	0.153	I	0					2.48
46.417	0.00	0.06	0.152	I	0					2.47
46.500	0.00	0.06	0.152	I	0					2.47
46.583	0.00	0.06	0.152	I	0					2.46
46.667	0.00	0.06	0.151	I	0					2.46
46.750	0.00	0.06	0.151	I	0					2.46
46.833	0.00	0.05	0.150	I	0					2.45
46.917	0.00	0.05	0.150	I	0					2.45
47.000	0.00	0.05	0.150	I	0					2.44
47.083	0.00	0.05	0.149	I	0					2.44
47.167	0.00	0.05	0.149	I	0					2.43
47.250	0.00	0.05	0.149	I	0					2.43
47.333	0.00	0.05	0.148	I	0					2.42
47.417	0.00	0.05	0.148	I	0					2.42
47.500	0.00	0.05	0.147	I	0					2.41
47.583	0.00	0.05	0.147	I	0					2.41
47.667	0.00	0.05	0.147	I	0					2.41

47.750	0.00	0.05	0.146	I 0					2.40
47.833	0.00	0.05	0.146	I 0					2.40
47.917	0.00	0.05	0.146	I 0					2.39
48.000	0.00	0.05	0.145	I 0					2.39
48.083	0.00	0.05	0.145	I 0					2.38
48.167	0.00	0.05	0.144	I 0					2.38
48.250	0.00	0.05	0.144	I 0					2.37
48.333	0.00	0.05	0.144	I 0					2.37
48.417	0.00	0.05	0.143	I 0					2.36
48.500	0.00	0.05	0.143	I 0					2.36
48.583	0.00	0.05	0.143	I 0					2.36
48.667	0.00	0.05	0.142	I 0					2.35
48.750	0.00	0.05	0.142	I 0					2.35
48.833	0.00	0.05	0.141	I 0					2.34
48.917	0.00	0.05	0.141	I 0					2.34
49.000	0.00	0.05	0.141	I 0					2.33
49.083	0.00	0.05	0.140	I 0					2.33
49.167	0.00	0.05	0.140	I 0					2.32
49.250	0.00	0.05	0.140	I 0					2.32
49.333	0.00	0.05	0.139	I 0					2.32
49.417	0.00	0.05	0.139	I 0					2.31
49.500	0.00	0.05	0.138	I 0					2.31
49.583	0.00	0.05	0.138	I 0					2.30
49.667	0.00	0.05	0.138	I 0					2.30
49.750	0.00	0.05	0.137	I 0					2.29
49.833	0.00	0.05	0.137	I 0					2.29
49.917	0.00	0.05	0.137	I 0					2.28
50.000	0.00	0.05	0.136	I 0					2.28
50.083	0.00	0.05	0.136	I 0					2.28
50.167	0.00	0.05	0.136	I 0					2.27
50.250	0.00	0.05	0.135	I 0					2.27
50.333	0.00	0.05	0.135	I 0					2.26
50.417	0.00	0.05	0.134	I 0					2.26
50.500	0.00	0.05	0.134	I 0					2.25
50.583	0.00	0.05	0.134	I 0					2.25
50.667	0.00	0.05	0.133	I 0					2.25
50.750	0.00	0.05	0.133	I 0					2.24
50.833	0.00	0.05	0.133	I 0					2.24
50.917	0.00	0.05	0.132	I 0					2.23
51.000	0.00	0.05	0.132	I 0					2.23
51.083	0.00	0.05	0.132	I 0					2.22
51.167	0.00	0.05	0.131	I 0					2.22
51.250	0.00	0.05	0.131	I 0					2.21
51.333	0.00	0.05	0.130	I 0					2.21
51.417	0.00	0.05	0.130	I 0					2.21
51.500	0.00	0.05	0.130	I 0					2.20
51.583	0.00	0.05	0.129	I 0					2.20
51.667	0.00	0.05	0.129	I 0					2.19
51.750	0.00	0.05	0.129	I 0					2.19
51.833	0.00	0.05	0.128	I 0					2.18

51.917	0.00	0.05	0.128	I 0					2.18
52.000	0.00	0.05	0.128	I 0					2.18
52.083	0.00	0.05	0.127	I 0					2.17
52.167	0.00	0.05	0.127	I 0					2.17
52.250	0.00	0.05	0.127	I 0					2.16
52.333	0.00	0.05	0.126	I 0					2.16
52.417	0.00	0.05	0.126	I 0					2.15
52.500	0.00	0.05	0.125	I 0					2.15
52.583	0.00	0.05	0.125	I 0					2.15
52.667	0.00	0.05	0.125	I 0					2.14
52.750	0.00	0.05	0.124	I 0					2.14
52.833	0.00	0.05	0.124	I 0					2.13
52.917	0.00	0.05	0.124	I 0					2.13
53.000	0.00	0.05	0.123	I 0					2.12
53.083	0.00	0.05	0.123	I 0					2.12
53.167	0.00	0.05	0.123	I 0					2.12
53.250	0.00	0.05	0.122	I 0					2.11
53.333	0.00	0.05	0.122	I 0					2.11
53.417	0.00	0.05	0.122	I 0					2.10
53.500	0.00	0.05	0.121	I 0					2.10
53.583	0.00	0.05	0.121	I 0					2.09
53.667	0.00	0.05	0.120	I 0					2.09
53.750	0.00	0.05	0.120	I 0					2.09
53.833	0.00	0.05	0.120	I 0					2.08
53.917	0.00	0.05	0.119	I 0					2.08
54.000	0.00	0.05	0.119	I 0					2.07
54.083	0.00	0.05	0.119	I 0					2.07
54.167	0.00	0.05	0.118	I 0					2.07
54.250	0.00	0.05	0.118	I 0					2.06
54.333	0.00	0.05	0.118	I 0					2.06
54.417	0.00	0.05	0.117	I 0					2.05
54.500	0.00	0.05	0.117	I 0					2.05
54.583	0.00	0.05	0.117	I 0					2.04
54.667	0.00	0.05	0.116	I 0					2.04
54.750	0.00	0.05	0.116	I 0					2.04
54.833	0.00	0.05	0.116	I 0					2.03
54.917	0.00	0.05	0.115	I 0					2.03
55.000	0.00	0.05	0.115	I 0					2.02
55.083	0.00	0.05	0.115	I 0					2.02
55.167	0.00	0.05	0.114	I 0					2.01
55.250	0.00	0.05	0.114	I 0					2.01
55.333	0.00	0.05	0.114	I 0					2.01
55.417	0.00	0.05	0.113	I 0					2.00
55.500	0.00	0.05	0.113	I 0					2.00
55.583	0.00	0.05	0.113	I 0					1.99
55.667	0.00	0.05	0.112	I 0					1.99
55.750	0.00	0.05	0.112	I 0					1.98
55.833	0.00	0.05	0.111	I 0					1.98
55.917	0.00	0.05	0.111	I 0					1.97
56.000	0.00	0.05	0.111	I 0					1.97

56.083	0.00	0.05	0.110	I 0					1.96
56.167	0.00	0.05	0.110	I 0					1.96
56.250	0.00	0.05	0.110	I 0					1.95
56.333	0.00	0.05	0.109	I 0					1.95
56.417	0.00	0.05	0.109	I 0					1.94
56.500	0.00	0.05	0.109	I 0					1.94
56.583	0.00	0.05	0.108	I 0					1.93
56.667	0.00	0.05	0.108	I 0					1.93
56.750	0.00	0.05	0.108	I 0					1.92
56.833	0.00	0.05	0.107	I 0					1.92
56.917	0.00	0.05	0.107	I 0					1.92
57.000	0.00	0.05	0.107	I 0					1.91
57.083	0.00	0.05	0.106	I 0					1.91
57.167	0.00	0.05	0.106	I 0					1.90
57.250	0.00	0.05	0.106	I 0					1.90
57.333	0.00	0.05	0.105	I 0					1.89
57.417	0.00	0.05	0.105	I 0					1.89
57.500	0.00	0.05	0.105	I 0					1.88
57.583	0.00	0.05	0.104	I 0					1.88
57.667	0.00	0.05	0.104	I 0					1.87
57.750	0.00	0.05	0.104	I 0					1.87
57.833	0.00	0.05	0.103	I 0					1.86
57.917	0.00	0.05	0.103	I 0					1.86
58.000	0.00	0.05	0.103	I 0					1.85
58.083	0.00	0.05	0.102	I 0					1.85
58.167	0.00	0.05	0.102	I 0					1.84
58.250	0.00	0.05	0.102	I 0					1.84
58.333	0.00	0.05	0.101	I 0					1.83
58.417	0.00	0.05	0.101	I 0					1.83
58.500	0.00	0.05	0.101	I 0					1.83
58.583	0.00	0.05	0.100	I 0					1.82
58.667	0.00	0.05	0.100	I 0					1.82
58.750	0.00	0.05	0.100	I 0					1.81
58.833	0.00	0.05	0.099	I 0					1.81
58.917	0.00	0.05	0.099	I 0					1.80
59.000	0.00	0.05	0.099	I 0					1.80
59.083	0.00	0.05	0.099	I 0					1.79
59.167	0.00	0.05	0.098	I 0					1.79
59.250	0.00	0.05	0.098	I 0					1.78
59.333	0.00	0.05	0.098	I 0					1.78
59.417	0.00	0.05	0.097	I 0					1.77
59.500	0.00	0.05	0.097	I 0					1.77
59.583	0.00	0.05	0.097	I 0					1.77
59.667	0.00	0.05	0.096	I 0					1.76
59.750	0.00	0.05	0.096	I 0					1.76
59.833	0.00	0.05	0.096	I 0					1.75
59.917	0.00	0.05	0.095	I 0					1.75
60.000	0.00	0.05	0.095	I 0					1.74
60.083	0.00	0.05	0.095	I 0					1.74
60.167	0.00	0.05	0.094	I 0					1.73

60.250	0.00	0.05	0.094	I 0					1.73
60.333	0.00	0.05	0.094	I 0					1.72
60.417	0.00	0.05	0.093	I 0					1.72
60.500	0.00	0.05	0.093	I 0					1.72
60.583	0.00	0.05	0.093	I 0					1.71
60.667	0.00	0.05	0.092	I 0					1.71
60.750	0.00	0.05	0.092	I 0					1.70
60.833	0.00	0.05	0.092	I 0					1.70
60.917	0.00	0.05	0.092	I 0					1.69
61.000	0.00	0.05	0.091	I 0					1.69
61.083	0.00	0.05	0.091	I 0					1.68
61.167	0.00	0.05	0.091	I 0					1.68
61.250	0.00	0.05	0.090	I 0					1.68
61.333	0.00	0.05	0.090	I 0					1.67
61.417	0.00	0.04	0.090	I 0					1.67
61.500	0.00	0.04	0.089	I 0					1.66
61.583	0.00	0.04	0.089	I 0					1.66
61.667	0.00	0.04	0.089	I 0					1.65
61.750	0.00	0.04	0.088	I 0					1.65
61.833	0.00	0.04	0.088	I 0					1.64
61.917	0.00	0.04	0.088	I 0					1.64
62.000	0.00	0.04	0.087	I 0					1.64
62.083	0.00	0.04	0.087	I 0					1.63
62.167	0.00	0.04	0.087	I 0					1.63
62.250	0.00	0.04	0.087	I 0					1.62
62.333	0.00	0.04	0.086	I 0					1.62
62.417	0.00	0.04	0.086	I 0					1.61
62.500	0.00	0.04	0.086	I 0					1.61
62.583	0.00	0.04	0.085	I 0					1.61
62.667	0.00	0.04	0.085	I 0					1.60
62.750	0.00	0.04	0.085	I 0					1.60
62.833	0.00	0.04	0.084	I 0					1.59
62.917	0.00	0.04	0.084	I 0					1.59
63.000	0.00	0.04	0.084	I 0					1.58
63.083	0.00	0.04	0.084	I 0					1.58
63.167	0.00	0.04	0.083	I 0					1.57
63.250	0.00	0.04	0.083	I 0					1.57
63.333	0.00	0.04	0.083	I 0					1.57
63.417	0.00	0.04	0.082	I 0					1.56
63.500	0.00	0.04	0.082	I 0					1.56
63.583	0.00	0.04	0.082	I 0					1.55
63.667	0.00	0.04	0.081	I 0					1.55
63.750	0.00	0.04	0.081	I 0					1.55
63.833	0.00	0.04	0.081	I 0					1.54
63.917	0.00	0.04	0.081	I 0					1.54
64.000	0.00	0.04	0.080	I 0					1.53
64.083	0.00	0.04	0.080	I 0					1.53
64.167	0.00	0.04	0.080	I 0					1.52
64.250	0.00	0.04	0.079	I 0					1.52
64.333	0.00	0.04	0.079	I 0					1.52

64.417	0.00	0.04	0.079	I 0					1.51
64.500	0.00	0.04	0.078	I 0					1.51
64.583	0.00	0.04	0.078	I 0					1.50
64.667	0.00	0.04	0.078	I 0					1.50
64.750	0.00	0.04	0.078	I 0					1.49
64.833	0.00	0.04	0.077	I 0					1.49
64.917	0.00	0.04	0.077	I 0					1.49
65.000	0.00	0.04	0.077	I 0					1.48
65.083	0.00	0.04	0.076	I 0					1.48
65.167	0.00	0.04	0.076	I 0					1.47
65.250	0.00	0.04	0.076	I 0					1.47
65.333	0.00	0.04	0.076	I 0					1.47
65.417	0.00	0.04	0.075	I 0					1.46
65.500	0.00	0.04	0.075	I 0					1.46
65.583	0.00	0.04	0.075	I 0					1.45
65.667	0.00	0.04	0.074	I 0					1.45
65.750	0.00	0.04	0.074	I 0					1.44
65.833	0.00	0.04	0.074	I 0					1.44
65.917	0.00	0.04	0.074	I 0					1.44
66.000	0.00	0.04	0.073	I 0					1.43
66.083	0.00	0.04	0.073	I 0					1.43
66.167	0.00	0.04	0.073	I 0					1.42
66.250	0.00	0.04	0.072	I 0					1.42
66.333	0.00	0.04	0.072	I 0					1.42
66.417	0.00	0.04	0.072	I 0					1.41
66.500	0.00	0.04	0.072	I 0					1.41
66.583	0.00	0.04	0.071	I 0					1.40
66.667	0.00	0.04	0.071	I 0					1.40
66.750	0.00	0.04	0.071	I 0					1.40
66.833	0.00	0.04	0.070	I 0					1.39
66.917	0.00	0.04	0.070	I 0					1.39
67.000	0.00	0.04	0.070	I 0					1.38
67.083	0.00	0.04	0.070	I 0					1.38
67.167	0.00	0.04	0.069	I 0					1.38
67.250	0.00	0.04	0.069	I 0					1.37
67.333	0.00	0.04	0.069	I 0					1.37
67.417	0.00	0.04	0.068	I 0					1.36
67.500	0.00	0.04	0.068	I 0					1.36
67.583	0.00	0.04	0.068	I 0					1.36
67.667	0.00	0.04	0.068	I 0					1.35
67.750	0.00	0.04	0.067	I 0					1.35
67.833	0.00	0.04	0.067	I 0					1.34
67.917	0.00	0.04	0.067	I 0					1.34
68.000	0.00	0.04	0.067	I 0					1.34
68.083	0.00	0.04	0.066	I 0					1.33
68.167	0.00	0.04	0.066	I 0					1.33
68.250	0.00	0.04	0.066	I 0					1.32
68.333	0.00	0.04	0.065	I 0					1.32
68.417	0.00	0.04	0.065	I 0					1.32
68.500	0.00	0.04	0.065	I 0					1.31

68.583	0.00	0.04	0.065	I 0					1.31
68.667	0.00	0.04	0.064	I 0					1.31
68.750	0.00	0.04	0.064	I 0					1.30
68.833	0.00	0.04	0.064	I 0					1.30
68.917	0.00	0.04	0.064	I 0					1.29
69.000	0.00	0.04	0.063	I 0					1.29
69.083	0.00	0.04	0.063	I 0					1.29
69.167	0.00	0.04	0.063	I 0					1.28
69.250	0.00	0.04	0.062	I 0					1.28
69.333	0.00	0.04	0.062	I 0					1.27
69.417	0.00	0.04	0.062	I 0					1.27
69.500	0.00	0.04	0.062	I 0					1.27
69.583	0.00	0.04	0.061	I 0					1.26
69.667	0.00	0.04	0.061	I 0					1.26
69.750	0.00	0.04	0.061	I 0					1.25
69.833	0.00	0.04	0.061	I 0					1.25
69.917	0.00	0.04	0.060	I 0					1.25
70.000	0.00	0.04	0.060	I 0					1.24
70.083	0.00	0.04	0.060	I 0					1.24
70.167	0.00	0.04	0.060	I 0					1.24
70.250	0.00	0.04	0.059	I 0					1.23
70.333	0.00	0.04	0.059	I 0					1.23
70.417	0.00	0.04	0.059	I 0					1.22
70.500	0.00	0.04	0.058	I 0					1.22
70.583	0.00	0.04	0.058	I 0					1.22
70.667	0.00	0.04	0.058	I 0					1.21
70.750	0.00	0.04	0.058	I 0					1.21
70.833	0.00	0.04	0.057	I 0					1.21
70.917	0.00	0.04	0.057	I 0					1.20
71.000	0.00	0.04	0.057	I 0					1.20
71.083	0.00	0.04	0.057	I 0					1.19
71.167	0.00	0.04	0.056	I 0					1.19
71.250	0.00	0.04	0.056	I 0					1.19
71.333	0.00	0.04	0.056	I 0					1.18
71.417	0.00	0.04	0.056	I 0					1.18
71.500	0.00	0.04	0.055	I 0					1.18
71.583	0.00	0.04	0.055	I 0					1.17
71.667	0.00	0.04	0.055	I 0					1.17
71.750	0.00	0.04	0.055	I 0					1.16
71.833	0.00	0.04	0.054	IO					1.16
71.917	0.00	0.04	0.054	IO					1.16
72.000	0.00	0.04	0.054	IO					1.15
72.083	0.00	0.04	0.054	IO					1.15
72.167	0.00	0.04	0.053	IO					1.15
72.250	0.00	0.04	0.053	IO					1.14
72.333	0.00	0.04	0.053	IO					1.14
72.417	0.00	0.04	0.052	IO					1.14
72.500	0.00	0.04	0.052	IO					1.13
72.583	0.00	0.04	0.052	IO					1.13
72.667	0.00	0.04	0.052	IO					1.12

72.750	0.00	0.04	0.051	IO					1.12
72.833	0.00	0.04	0.051	IO					1.12
72.917	0.00	0.04	0.051	IO					1.11
73.000	0.00	0.04	0.051	IO					1.11
73.083	0.00	0.04	0.050	IO					1.11
73.167	0.00	0.04	0.050	IO					1.10
73.250	0.00	0.04	0.050	IO					1.10
73.333	0.00	0.04	0.050	IO					1.10
73.417	0.00	0.04	0.049	IO					1.09
73.500	0.00	0.04	0.049	IO					1.09
73.583	0.00	0.04	0.049	IO					1.08
73.667	0.00	0.04	0.049	IO					1.08
73.750	0.00	0.04	0.048	IO					1.08
73.833	0.00	0.04	0.048	IO					1.07
73.917	0.00	0.04	0.048	IO					1.07
74.000	0.00	0.04	0.048	IO					1.07
74.083	0.00	0.04	0.047	IO					1.06
74.167	0.00	0.04	0.047	IO					1.06
74.250	0.00	0.04	0.047	IO					1.06
74.333	0.00	0.04	0.047	IO					1.05
74.417	0.00	0.04	0.046	IO					1.05
74.500	0.00	0.04	0.046	IO					1.05
74.583	0.00	0.04	0.046	IO					1.04
74.667	0.00	0.04	0.046	IO					1.04
74.750	0.00	0.04	0.045	IO					1.04
74.833	0.00	0.04	0.045	IO					1.03
74.917	0.00	0.04	0.045	IO					1.03
75.000	0.00	0.04	0.045	IO					1.03
75.083	0.00	0.04	0.045	IO					1.02
75.167	0.00	0.04	0.044	IO					1.02
75.250	0.00	0.04	0.044	IO					1.01
75.333	0.00	0.04	0.044	IO					1.01
75.417	0.00	0.04	0.044	IO					1.01
75.500	0.00	0.04	0.043	IO					1.00
75.583	0.00	0.04	0.043	IO					1.00
75.667	0.00	0.03	0.043	IO					1.00
75.750	0.00	0.03	0.043	IO					0.99
75.833	0.00	0.03	0.042	IO					0.99
75.917	0.00	0.03	0.042	IO					0.98
76.000	0.00	0.03	0.042	IO					0.98
76.083	0.00	0.03	0.042	IO					0.97
76.167	0.00	0.03	0.041	IO					0.96
76.250	0.00	0.03	0.041	IO					0.96
76.333	0.00	0.03	0.041	IO					0.95
76.417	0.00	0.03	0.041	IO					0.95
76.500	0.00	0.03	0.040	IO					0.94
76.583	0.00	0.03	0.040	IO					0.94
76.667	0.00	0.03	0.040	IO					0.93
76.750	0.00	0.03	0.040	IO					0.93
76.833	0.00	0.03	0.040	IO					0.92

76.917	0.00	0.03	0.039	IO					0.92
77.000	0.00	0.03	0.039	IO					0.91
77.083	0.00	0.03	0.039	IO					0.91
77.167	0.00	0.03	0.039	IO					0.90
77.250	0.00	0.03	0.038	IO					0.90
77.333	0.00	0.03	0.038	IO					0.90
77.417	0.00	0.03	0.038	IO					0.89
77.500	0.00	0.03	0.038	IO					0.89
77.583	0.00	0.03	0.038	IO					0.88
77.667	0.00	0.03	0.037	IO					0.88
77.750	0.00	0.03	0.037	IO					0.87
77.833	0.00	0.03	0.037	IO					0.87
77.917	0.00	0.03	0.037	IO					0.86
78.000	0.00	0.03	0.037	IO					0.86
78.083	0.00	0.03	0.036	IO					0.85
78.167	0.00	0.03	0.036	IO					0.85
78.250	0.00	0.03	0.036	IO					0.84
78.333	0.00	0.03	0.036	IO					0.84
78.417	0.00	0.03	0.035	IO					0.83
78.500	0.00	0.03	0.035	IO					0.83
78.583	0.00	0.03	0.035	IO					0.83
78.667	0.00	0.03	0.035	IO					0.82
78.750	0.00	0.03	0.035	IO					0.82
78.833	0.00	0.03	0.034	IO					0.81
78.917	0.00	0.03	0.034	IO					0.81
79.000	0.00	0.03	0.034	IO					0.80
79.083	0.00	0.03	0.034	IO					0.80
79.167	0.00	0.03	0.034	IO					0.79
79.250	0.00	0.03	0.033	IO					0.79
79.333	0.00	0.03	0.033	IO					0.79
79.417	0.00	0.03	0.033	IO					0.78
79.500	0.00	0.03	0.033	IO					0.78
79.583	0.00	0.03	0.033	IO					0.77
79.667	0.00	0.03	0.032	IO					0.77
79.750	0.00	0.03	0.032	IO					0.76
79.833	0.00	0.03	0.032	IO					0.76
79.917	0.00	0.03	0.032	IO					0.76
80.000	0.00	0.03	0.032	IO					0.75
80.083	0.00	0.03	0.032	IO					0.75
80.167	0.00	0.03	0.031	IO					0.74
80.250	0.00	0.03	0.031	IO					0.74
80.333	0.00	0.03	0.031	IO					0.74
80.417	0.00	0.03	0.031	IO					0.73
80.500	0.00	0.03	0.031	IO					0.73
80.583	0.00	0.03	0.030	IO					0.72
80.667	0.00	0.03	0.030	IO					0.72
80.750	0.00	0.03	0.030	IO					0.72
80.833	0.00	0.03	0.030	IO					0.71
80.917	0.00	0.03	0.030	IO					0.71
81.000	0.00	0.03	0.029	IO					0.70

81.083	0.00	0.03	0.029	IO					0.70
81.167	0.00	0.03	0.029	IO					0.70
81.250	0.00	0.03	0.029	IO					0.69
81.333	0.00	0.03	0.029	IO					0.69
81.417	0.00	0.03	0.029	IO					0.68
81.500	0.00	0.03	0.028	IO					0.68
81.583	0.00	0.03	0.028	IO					0.68
81.667	0.00	0.03	0.028	IO					0.67
81.750	0.00	0.03	0.028	IO					0.67
81.833	0.00	0.02	0.028	IO					0.66
81.917	0.00	0.02	0.028	IO					0.66
82.000	0.00	0.02	0.027	IO					0.66
82.083	0.00	0.02	0.027	IO					0.65
82.167	0.00	0.02	0.027	IO					0.65
82.250	0.00	0.02	0.027	IO					0.65
82.333	0.00	0.02	0.027	IO					0.64
82.417	0.00	0.02	0.027	IO					0.64
82.500	0.00	0.02	0.026	IO					0.63
82.583	0.00	0.02	0.026	IO					0.63
82.667	0.00	0.02	0.026	IO					0.63
82.750	0.00	0.02	0.026	IO					0.62
82.833	0.00	0.02	0.026	IO					0.62
82.917	0.00	0.02	0.026	IO					0.62
83.000	0.00	0.02	0.025	IO					0.61
83.083	0.00	0.02	0.025	IO					0.61
83.167	0.00	0.02	0.025	IO					0.61
83.250	0.00	0.02	0.025	IO					0.60
83.333	0.00	0.02	0.025	IO					0.60
83.417	0.00	0.02	0.025	IO					0.60
83.500	0.00	0.02	0.024	IO					0.59
83.583	0.00	0.02	0.024	IO					0.59
83.667	0.00	0.02	0.024	IO					0.59
83.750	0.00	0.02	0.024	IO					0.58
83.833	0.00	0.02	0.024	IO					0.58
83.917	0.00	0.02	0.024	IO					0.58
84.000	0.00	0.02	0.024	IO					0.57
84.083	0.00	0.02	0.023	IO					0.57
84.167	0.00	0.02	0.023	IO					0.57
84.250	0.00	0.02	0.023	IO					0.56
84.333	0.00	0.02	0.023	IO					0.56
84.417	0.00	0.02	0.023	IO					0.56
84.500	0.00	0.02	0.023	IO					0.55
84.583	0.00	0.02	0.022	IO					0.55
84.667	0.00	0.02	0.022	IO					0.55
84.750	0.00	0.02	0.022	IO					0.54
84.833	0.00	0.02	0.022	IO					0.54
84.917	0.00	0.02	0.022	IO					0.54
85.000	0.00	0.02	0.022	IO					0.53
85.083	0.00	0.02	0.022	IO					0.53
85.167	0.00	0.02	0.021	IO					0.53

85.250	0.00	0.02	0.021	IO					0.52
85.333	0.00	0.02	0.021	IO					0.52
85.417	0.00	0.02	0.021	IO					0.52
85.500	0.00	0.02	0.021	IO					0.51
85.583	0.00	0.02	0.021	IO					0.51
85.667	0.00	0.02	0.021	IO					0.51
85.750	0.00	0.02	0.020	IO					0.50
85.833	0.00	0.02	0.020	IO					0.50
85.917	0.00	0.02	0.020	IO					0.50
86.000	0.00	0.02	0.020	IO					0.50
86.083	0.00	0.02	0.020	IO					0.49
86.167	0.00	0.02	0.020	IO					0.49
86.250	0.00	0.02	0.020	IO					0.49
86.333	0.00	0.02	0.019	IO					0.48
86.417	0.00	0.02	0.019	IO					0.48
86.500	0.00	0.02	0.019	IO					0.48
86.583	0.00	0.02	0.019	IO					0.48
86.667	0.00	0.02	0.019	IO					0.47
86.750	0.00	0.02	0.019	IO					0.47
86.833	0.00	0.02	0.019	IO					0.47
86.917	0.00	0.02	0.019	IO					0.46
87.000	0.00	0.02	0.018	IO					0.46
87.083	0.00	0.02	0.018	IO					0.46
87.167	0.00	0.02	0.018	O					0.46
87.250	0.00	0.02	0.018	O					0.45
87.333	0.00	0.02	0.018	O					0.45
87.417	0.00	0.02	0.018	O					0.45
87.500	0.00	0.02	0.018	O					0.44
87.583	0.00	0.02	0.018	O					0.44
87.667	0.00	0.02	0.017	O					0.44
87.750	0.00	0.02	0.017	O					0.44
87.833	0.00	0.02	0.017	O					0.43
87.917	0.00	0.02	0.017	O					0.43
88.000	0.00	0.02	0.017	O					0.43
88.083	0.00	0.02	0.017	O					0.42
88.167	0.00	0.02	0.017	O					0.42
88.250	0.00	0.02	0.017	O					0.42
88.333	0.00	0.02	0.016	O					0.42
88.417	0.00	0.02	0.016	O					0.41
88.500	0.00	0.02	0.016	O					0.41
88.583	0.00	0.02	0.016	O					0.41
88.667	0.00	0.02	0.016	O					0.41
88.750	0.00	0.02	0.016	O					0.40
88.833	0.00	0.02	0.016	O					0.40
88.917	0.00	0.02	0.016	O					0.40
89.000	0.00	0.02	0.015	O					0.40
89.083	0.00	0.02	0.015	O					0.39
89.167	0.00	0.02	0.015	O					0.39
89.250	0.00	0.02	0.015	O					0.39
89.333	0.00	0.02	0.015	O					0.39

89.417	0.00	0.02	0.015	0					0.38
89.500	0.00	0.02	0.015	0					0.38
89.583	0.00	0.02	0.015	0					0.38
89.667	0.00	0.02	0.015	0					0.38
89.750	0.00	0.02	0.014	0					0.37
89.833	0.00	0.02	0.014	0					0.37
89.917	0.00	0.02	0.014	0					0.37
90.000	0.00	0.02	0.014	0					0.37
90.083	0.00	0.02	0.014	0					0.36
90.167	0.00	0.02	0.014	0					0.36
90.250	0.00	0.02	0.014	0					0.36
90.333	0.00	0.02	0.014	0					0.36
90.417	0.00	0.02	0.014	0					0.35
90.500	0.00	0.02	0.013	0					0.35
90.583	0.00	0.02	0.013	0					0.35
90.667	0.00	0.02	0.013	0					0.35
90.750	0.00	0.02	0.013	0					0.34
90.833	0.00	0.02	0.013	0					0.34
90.917	0.00	0.02	0.013	0					0.34
91.000	0.00	0.02	0.013	0					0.34
91.083	0.00	0.02	0.013	0					0.34
91.167	0.00	0.02	0.013	0					0.33
91.250	0.00	0.01	0.013	0					0.33
91.333	0.00	0.01	0.012	0					0.33
91.417	0.00	0.01	0.012	0					0.33
91.500	0.00	0.01	0.012	0					0.32
91.583	0.00	0.01	0.012	0					0.32
91.667	0.00	0.01	0.012	0					0.32
91.750	0.00	0.01	0.012	0					0.32
91.833	0.00	0.01	0.012	0					0.32
91.917	0.00	0.01	0.012	0					0.31
92.000	0.00	0.01	0.012	0					0.31
92.083	0.00	0.01	0.012	0					0.31
92.167	0.00	0.01	0.011	0					0.31
92.250	0.00	0.01	0.011	0					0.30
92.333	0.00	0.01	0.011	0					0.30
92.417	0.00	0.01	0.011	0					0.30
92.500	0.00	0.01	0.011	0					0.30
92.583	0.00	0.01	0.011	0					0.30
92.667	0.00	0.01	0.011	0					0.29
92.750	0.00	0.01	0.011	0					0.29
92.833	0.00	0.01	0.011	0					0.29
92.917	0.00	0.01	0.011	0					0.29
93.000	0.00	0.01	0.010	0					0.29
93.083	0.00	0.01	0.010	0					0.28
93.167	0.00	0.01	0.010	0					0.28
93.250	0.00	0.01	0.010	0					0.28
93.333	0.00	0.01	0.010	0					0.28
93.417	0.00	0.01	0.010	0					0.28
93.500	0.00	0.01	0.010	0					0.27

93.583	0.00	0.01	0.010	0					0.27
93.667	0.00	0.01	0.010	0					0.27
93.750	0.00	0.01	0.010	0					0.27
93.833	0.00	0.01	0.010	0					0.27
93.917	0.00	0.01	0.009	0					0.26
94.000	0.00	0.01	0.009	0					0.26
94.083	0.00	0.01	0.009	0					0.26
94.167	0.00	0.01	0.009	0					0.26
94.250	0.00	0.01	0.009	0					0.26
94.333	0.00	0.01	0.009	0					0.25
94.417	0.00	0.01	0.009	0					0.25
94.500	0.00	0.01	0.009	0					0.25
94.583	0.00	0.01	0.009	0					0.25
94.667	0.00	0.01	0.009	0					0.25
94.750	0.00	0.01	0.009	0					0.24
94.833	0.00	0.01	0.009	0					0.24
94.917	0.00	0.01	0.008	0					0.24
95.000	0.00	0.01	0.008	0					0.24
95.083	0.00	0.01	0.008	0					0.24
95.167	0.00	0.01	0.008	0					0.24
95.250	0.00	0.01	0.008	0					0.23
95.333	0.00	0.01	0.008	0					0.23
95.417	0.00	0.01	0.008	0					0.23
95.500	0.00	0.01	0.008	0					0.23
95.583	0.00	0.01	0.008	0					0.23
95.667	0.00	0.01	0.008	0					0.22
95.750	0.00	0.01	0.008	0					0.22
95.833	0.00	0.01	0.008	0					0.22
95.917	0.00	0.01	0.007	0					0.22
96.000	0.00	0.01	0.007	0					0.22
96.083	0.00	0.01	0.007	0					0.22
96.167	0.00	0.01	0.007	0					0.21
96.250	0.00	0.01	0.007	0					0.21
96.333	0.00	0.01	0.007	0					0.21
96.417	0.00	0.01	0.007	0					0.21
96.500	0.00	0.01	0.007	0					0.21
96.583	0.00	0.01	0.007	0					0.21
96.667	0.00	0.01	0.007	0					0.20
96.750	0.00	0.01	0.007	0					0.20
96.833	0.00	0.01	0.007	0					0.20
96.917	0.00	0.01	0.007	0					0.20
97.000	0.00	0.01	0.006	0					0.20
97.083	0.00	0.01	0.006	0					0.20
97.167	0.00	0.01	0.006	0					0.19
97.250	0.00	0.01	0.006	0					0.19
97.333	0.00	0.01	0.006	0					0.19
97.417	0.00	0.01	0.006	0					0.19
97.500	0.00	0.01	0.006	0					0.19
97.583	0.00	0.01	0.006	0					0.19
97.667	0.00	0.01	0.006	0					0.18

97.750	0.00	0.01	0.006	0					0.18
97.833	0.00	0.01	0.006	0					0.18
97.917	0.00	0.01	0.006	0					0.18
98.000	0.00	0.01	0.006	0					0.18
98.083	0.00	0.01	0.005	0					0.18
98.167	0.00	0.01	0.005	0					0.18
98.250	0.00	0.01	0.005	0					0.17
98.333	0.00	0.01	0.005	0					0.17
98.417	0.00	0.01	0.005	0					0.17
98.500	0.00	0.01	0.005	0					0.17
98.583	0.00	0.01	0.005	0					0.17
98.667	0.00	0.01	0.005	0					0.17
98.750	0.00	0.01	0.005	0					0.16
98.833	0.00	0.01	0.005	0					0.16
98.917	0.00	0.01	0.005	0					0.16
99.000	0.00	0.01	0.005	0					0.16
99.083	0.00	0.01	0.005	0					0.16
99.167	0.00	0.01	0.005	0					0.16
99.250	0.00	0.01	0.005	0					0.16
99.333	0.00	0.01	0.004	0					0.15
99.417	0.00	0.01	0.004	0					0.15
99.500	0.00	0.01	0.004	0					0.15
99.583	0.00	0.01	0.004	0					0.15
99.667	0.00	0.01	0.004	0					0.15
99.750	0.00	0.01	0.004	0					0.15
99.833	0.00	0.01	0.004	0					0.15
99.917	0.00	0.01	0.004	0					0.14
100.000	0.00	0.01	0.004	0					0.14
100.083	0.00	0.01	0.004	0					0.14
100.167	0.00	0.01	0.004	0					0.14
100.250	0.00	0.01	0.004	0					0.14
100.333	0.00	0.01	0.004	0					0.14
100.417	0.00	0.01	0.004	0					0.14
100.500	0.00	0.01	0.004	0					0.13
100.583	0.00	0.01	0.003	0					0.13
100.667	0.00	0.01	0.003	0					0.13
100.750	0.00	0.01	0.003	0					0.13
100.833	0.00	0.01	0.003	0					0.13
100.917	0.00	0.01	0.003	0					0.13
101.000	0.00	0.01	0.003	0					0.13
101.083	0.00	0.01	0.003	0					0.12
101.167	0.00	0.01	0.003	0					0.12
101.250	0.00	0.01	0.003	0					0.12
101.333	0.00	0.01	0.003	0					0.12
101.417	0.00	0.01	0.003	0					0.12
101.500	0.00	0.01	0.003	0					0.12
101.583	0.00	0.01	0.003	0					0.12
101.667	0.00	0.01	0.003	0					0.12
101.750	0.00	0.01	0.003	0					0.11
101.833	0.00	0.01	0.003	0					0.11

101.917	0.00	0.01	0.003	0					0.11
102.000	0.00	0.01	0.002	0					0.11
102.083	0.00	0.01	0.002	0					0.11
102.167	0.00	0.01	0.002	0					0.11
102.250	0.00	0.01	0.002	0					0.11
102.333	0.00	0.01	0.002	0					0.11
102.417	0.00	0.01	0.002	0					0.10
102.500	0.00	0.01	0.002	0					0.10
102.583	0.00	0.01	0.002	0					0.10
102.667	0.00	0.01	0.002	0					0.10
102.750	0.00	0.01	0.002	0					0.10
102.833	0.00	0.01	0.002	0					0.10
102.917	0.00	0.01	0.002	0					0.09
103.000	0.00	0.01	0.002	0					0.09
103.083	0.00	0.01	0.002	0					0.09
103.167	0.00	0.01	0.002	0					0.09
103.250	0.00	0.01	0.002	0					0.08
103.333	0.00	0.01	0.002	0					0.08
103.417	0.00	0.01	0.002	0					0.08
103.500	0.00	0.01	0.002	0					0.08
103.583	0.00	0.01	0.002	0					0.08
103.667	0.00	0.01	0.001	0					0.07
103.750	0.00	0.01	0.001	0					0.07
103.833	0.00	0.01	0.001	0					0.07
103.917	0.00	0.01	0.001	0					0.07
104.000	0.00	0.01	0.001	0					0.07
104.083	0.00	0.01	0.001	0					0.06
104.167	0.00	0.00	0.001	0					0.06
104.250	0.00	0.00	0.001	0					0.06
104.333	0.00	0.00	0.001	0					0.06
104.417	0.00	0.00	0.001	0					0.06
104.500	0.00	0.00	0.001	0					0.06
104.583	0.00	0.00	0.001	0					0.05
104.667	0.00	0.00	0.001	0					0.05
104.750	0.00	0.00	0.001	0					0.05
104.833	0.00	0.00	0.001	0					0.05
104.917	0.00	0.00	0.001	0					0.05
105.000	0.00	0.00	0.001	0					0.05
105.083	0.00	0.00	0.001	0					0.05
105.167	0.00	0.00	0.001	0					0.04
105.250	0.00	0.00	0.001	0					0.04
105.333	0.00	0.00	0.001	0					0.04
105.417	0.00	0.00	0.001	0					0.04
105.500	0.00	0.00	0.001	0					0.04
105.583	0.00	0.00	0.001	0					0.04
105.667	0.00	0.00	0.001	0					0.04
105.750	0.00	0.00	0.001	0					0.04
105.833	0.00	0.00	0.001	0					0.04
105.917	0.00	0.00	0.001	0					0.03
106.000	0.00	0.00	0.001	0					0.03

106.083	0.00	0.00	0.001	0					0.03
106.167	0.00	0.00	0.001	0					0.03
106.250	0.00	0.00	0.001	0					0.03
106.333	0.00	0.00	0.001	0					0.03
106.417	0.00	0.00	0.001	0					0.03
106.500	0.00	0.00	0.001	0					0.03
106.583	0.00	0.00	0.001	0					0.03
106.667	0.00	0.00	0.001	0					0.03
106.750	0.00	0.00	0.001	0					0.03
106.833	0.00	0.00	0.001	0					0.03
106.917	0.00	0.00	0.000	0					0.02
107.000	0.00	0.00	0.000	0					0.02
107.083	0.00	0.00	0.000	0					0.02
107.167	0.00	0.00	0.000	0					0.02
107.250	0.00	0.00	0.000	0					0.02
107.333	0.00	0.00	0.000	0					0.02
107.417	0.00	0.00	0.000	0					0.02
107.500	0.00	0.00	0.000	0					0.02
107.583	0.00	0.00	0.000	0					0.02
107.667	0.00	0.00	0.000	0					0.02
107.750	0.00	0.00	0.000	0					0.02
107.833	0.00	0.00	0.000	0					0.02
107.917	0.00	0.00	0.000	0					0.02
108.000	0.00	0.00	0.000	0					0.02
108.083	0.00	0.00	0.000	0					0.02
108.167	0.00	0.00	0.000	0					0.02
108.250	0.00	0.00	0.000	0					0.02
108.333	0.00	0.00	0.000	0					0.02
108.417	0.00	0.00	0.000	0					0.02
108.500	0.00	0.00	0.000	0					0.01
108.583	0.00	0.00	0.000	0					0.01
108.667	0.00	0.00	0.000	0					0.01
108.750	0.00	0.00	0.000	0					0.01
108.833	0.00	0.00	0.000	0					0.01
108.917	0.00	0.00	0.000	0					0.01
109.000	0.00	0.00	0.000	0					0.01
109.083	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 1309

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.071 (CFS)

Total volume = 0.364 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
2 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da362.rte
*****HYDROGRAPH DATA*****
Number of intervals = 73
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.722 (CFS)
Total volume = 0.214 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 73
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.86	1.29	1.72	Depth (Ft.)
0.083	0.10	0.00	0.000	OI					0.02
0.167	0.18	0.01	0.001	O I					0.06
0.250	0.19	0.01	0.002	O I					0.11
0.333	0.19	0.01	0.004	O I					0.14
0.417	0.19	0.01	0.005	O I					0.16
0.500	0.21	0.01	0.006	O I					0.19
0.583	0.22	0.01	0.008	O I					0.22
0.667	0.22	0.01	0.009	O I					0.25
0.750	0.22	0.01	0.010	O I					0.28
0.833	0.22	0.01	0.012	O I					0.31
0.917	0.22	0.02	0.013	O I					0.35
1.000	0.24	0.02	0.015	O I					0.38
1.083	0.25	0.02	0.016	O I					0.41
1.167	0.25	0.02	0.018	O I					0.45
1.250	0.25	0.02	0.019	O I					0.48
1.333	0.25	0.02	0.021	O I					0.52
1.417	0.25	0.02	0.022	O I					0.55
1.500	0.25	0.02	0.024	O I					0.58
1.583	0.25	0.02	0.026	O I					0.62
1.667	0.25	0.02	0.027	O I					0.65
1.750	0.25	0.03	0.029	O I					0.69
1.833	0.25	0.03	0.030	O I					0.72

1.917	0.25	0.03	0.032	0	I						0.75
2.000	0.27	0.03	0.033	0	I						0.79
2.083	0.26	0.03	0.035	0	I						0.82
2.167	0.27	0.03	0.036	0	I						0.86
2.250	0.28	0.03	0.038	0	I						0.89
2.333	0.28	0.03	0.040	0	I						0.93
2.417	0.28	0.03	0.042	0	I						0.97
2.500	0.28	0.04	0.043	0	I						1.00
2.583	0.28	0.04	0.045	0	I						1.03
2.667	0.28	0.04	0.047	0	I						1.05
2.750	0.30	0.04	0.048	0	I						1.08
2.833	0.31	0.04	0.050	0	I						1.10
2.917	0.31	0.04	0.052	0	I						1.13
3.000	0.31	0.04	0.054	0	I						1.16
3.083	0.31	0.04	0.056	0	I						1.18
3.167	0.33	0.04	0.058	0	I						1.21
3.250	0.34	0.04	0.060	0	I						1.24
3.333	0.34	0.04	0.062	0	I						1.27
3.417	0.36	0.04	0.064	0	I						1.30
3.500	0.39	0.04	0.066	0	I						1.33
3.583	0.42	0.04	0.069	0	I						1.37
3.667	0.43	0.04	0.072	0	I						1.41
3.750	0.45	0.04	0.074	0	I						1.45
3.833	0.46	0.04	0.077	0	I						1.49
3.917	0.49	0.04	0.080	0		I					1.53
4.000	0.50	0.04	0.083	0		I					1.57
4.083	0.52	0.04	0.086	0		I					1.62
4.167	0.55	0.05	0.090	0		I					1.67
4.250	0.58	0.05	0.093	0		I					1.72
4.333	0.61	0.05	0.097	0		I					1.77
4.417	0.64	0.05	0.101	0		I					1.83
4.500	0.65	0.05	0.105	0		I					1.89
4.583	0.67	0.05	0.109	0		I					1.95
4.667	0.70	0.05	0.114	0		I					2.01
4.750	0.73	0.05	0.118	0		I					2.06
4.833	0.74	0.05	0.123	0		I					2.12
4.917	0.76	0.05	0.128	0		I					2.18
5.000	0.79	0.05	0.133	0		I					2.24
5.083	0.91	0.05	0.138	0			I				2.31
5.167	1.06	0.05	0.145	0				I			2.38
5.250	1.18	0.06	0.152	0				I			2.47
5.333	1.27	0.06	0.160	0					I		2.57
5.417	1.41	0.06	0.169	0					I		2.68
5.500	1.72	0.06	0.179	0						I	2.80
5.583	1.01	0.06	0.188	0			I				2.91
5.667	0.38	0.06	0.193	0	I						2.96
5.750	0.22	0.06	0.194	0	I						2.98
5.833	0.17	0.06	0.195	0	I						2.99
5.917	0.11	0.06	0.196	0	I						3.00
6.000	0.07	0.06	0.196	0							3.00

6.083	0.02	0.06	0.196	IO					3.00
6.167	0.00	0.06	0.196	IO					3.00
6.250	0.00	0.06	0.195	IO					2.99
6.333	0.00	0.06	0.195	IO					2.99
6.417	0.00	0.06	0.194	IO					2.98
6.500	0.00	0.06	0.194	IO					2.98
6.583	0.00	0.06	0.194	IO					2.97
6.667	0.00	0.06	0.193	IO					2.97
6.750	0.00	0.06	0.193	IO					2.96
6.833	0.00	0.06	0.192	IO					2.96
6.917	0.00	0.06	0.192	IO					2.95
7.000	0.00	0.06	0.192	IO					2.95
7.083	0.00	0.06	0.191	IO					2.94
7.167	0.00	0.06	0.191	IO					2.94
7.250	0.00	0.06	0.190	IO					2.93
7.333	0.00	0.06	0.190	IO					2.93
7.417	0.00	0.06	0.189	IO					2.92
7.500	0.00	0.06	0.189	IO					2.92
7.583	0.00	0.06	0.189	IO					2.91
7.667	0.00	0.06	0.188	IO					2.91
7.750	0.00	0.06	0.188	IO					2.90
7.833	0.00	0.06	0.187	IO					2.90
7.917	0.00	0.06	0.187	IO					2.89
8.000	0.00	0.06	0.187	IO					2.89
8.083	0.00	0.06	0.186	IO					2.88
8.167	0.00	0.06	0.186	IO					2.88
8.250	0.00	0.06	0.185	IO					2.87
8.333	0.00	0.06	0.185	IO					2.87
8.417	0.00	0.06	0.184	IO					2.86
8.500	0.00	0.06	0.184	IO					2.86
8.583	0.00	0.06	0.184	IO					2.85
8.667	0.00	0.06	0.183	IO					2.85
8.750	0.00	0.06	0.183	IO					2.84
8.833	0.00	0.06	0.182	IO					2.84
8.917	0.00	0.06	0.182	IO					2.83
9.000	0.00	0.06	0.182	IO					2.83
9.083	0.00	0.06	0.181	IO					2.82
9.167	0.00	0.06	0.181	IO					2.82
9.250	0.00	0.06	0.180	IO					2.81
9.333	0.00	0.06	0.180	IO					2.81
9.417	0.00	0.06	0.180	IO					2.80
9.500	0.00	0.06	0.179	IO					2.80
9.583	0.00	0.06	0.179	IO					2.79
9.667	0.00	0.06	0.178	IO					2.79
9.750	0.00	0.06	0.178	IO					2.78
9.833	0.00	0.06	0.178	IO					2.78
9.917	0.00	0.06	0.177	IO					2.77
10.000	0.00	0.06	0.177	IO					2.77
10.083	0.00	0.06	0.176	IO					2.76
10.167	0.00	0.06	0.176	IO					2.76

10.250	0.00	0.06	0.176	IO					2.75
10.333	0.00	0.06	0.175	IO					2.75
10.417	0.00	0.06	0.175	IO					2.74
10.500	0.00	0.06	0.174	IO					2.74
10.583	0.00	0.06	0.174	IO					2.73
10.667	0.00	0.06	0.174	IO					2.73
10.750	0.00	0.06	0.173	IO					2.72
10.833	0.00	0.06	0.173	IO					2.72
10.917	0.00	0.06	0.172	IO					2.72
11.000	0.00	0.06	0.172	IO					2.71
11.083	0.00	0.06	0.172	IO					2.71
11.167	0.00	0.06	0.171	IO					2.70
11.250	0.00	0.06	0.171	IO					2.70
11.333	0.00	0.06	0.170	IO					2.69
11.417	0.00	0.06	0.170	IO					2.69
11.500	0.00	0.06	0.170	IO					2.68
11.583	0.00	0.06	0.169	IO					2.68
11.667	0.00	0.06	0.169	IO					2.67
11.750	0.00	0.06	0.168	IO					2.67
11.833	0.00	0.06	0.168	IO					2.66
11.917	0.00	0.06	0.168	IO					2.66
12.000	0.00	0.06	0.167	IO					2.65
12.083	0.00	0.06	0.167	IO					2.65
12.167	0.00	0.06	0.166	IO					2.64
12.250	0.00	0.06	0.166	IO					2.64
12.333	0.00	0.06	0.166	IO					2.63
12.417	0.00	0.06	0.165	IO					2.63
12.500	0.00	0.06	0.165	IO					2.62
12.583	0.00	0.06	0.164	IO					2.62
12.667	0.00	0.06	0.164	IO					2.62
12.750	0.00	0.06	0.164	IO					2.61
12.833	0.00	0.06	0.163	IO					2.61
12.917	0.00	0.06	0.163	IO					2.60
13.000	0.00	0.06	0.163	IO					2.60
13.083	0.00	0.06	0.162	IO					2.59
13.167	0.00	0.06	0.162	IO					2.59
13.250	0.00	0.06	0.161	IO					2.58
13.333	0.00	0.06	0.161	IO					2.58
13.417	0.00	0.06	0.161	IO					2.57
13.500	0.00	0.06	0.160	IO					2.57
13.583	0.00	0.06	0.160	IO					2.56
13.667	0.00	0.06	0.159	IO					2.56
13.750	0.00	0.06	0.159	IO					2.55
13.833	0.00	0.06	0.159	IO					2.55
13.917	0.00	0.06	0.158	IO					2.55
14.000	0.00	0.06	0.158	IO					2.54
14.083	0.00	0.06	0.157	IO					2.54
14.167	0.00	0.06	0.157	IO					2.53
14.250	0.00	0.06	0.157	IO					2.53
14.333	0.00	0.06	0.156	IO					2.52

14.417	0.00	0.06	0.156	IO					2.52
14.500	0.00	0.06	0.156	IO					2.51
14.583	0.00	0.06	0.155	IO					2.51
14.667	0.00	0.06	0.155	IO					2.50
14.750	0.00	0.06	0.154	IO					2.50
14.833	0.00	0.06	0.154	IO					2.49
14.917	0.00	0.06	0.154	IO					2.49
15.000	0.00	0.06	0.153	IO					2.49
15.083	0.00	0.06	0.153	IO					2.48
15.167	0.00	0.06	0.153	IO					2.48
15.250	0.00	0.06	0.152	IO					2.47
15.333	0.00	0.06	0.152	IO					2.47
15.417	0.00	0.06	0.151	IO					2.46
15.500	0.00	0.06	0.151	IO					2.46
15.583	0.00	0.05	0.151	IO					2.45
15.667	0.00	0.05	0.150	IO					2.45
15.750	0.00	0.05	0.150	IO					2.44
15.833	0.00	0.05	0.149	IO					2.44
15.917	0.00	0.05	0.149	IO					2.43
16.000	0.00	0.05	0.149	IO					2.43
16.083	0.00	0.05	0.148	IO					2.43
16.167	0.00	0.05	0.148	IO					2.42
16.250	0.00	0.05	0.148	IO					2.42
16.333	0.00	0.05	0.147	IO					2.41
16.417	0.00	0.05	0.147	IO					2.41
16.500	0.00	0.05	0.146	IO					2.40
16.583	0.00	0.05	0.146	IO					2.40
16.667	0.00	0.05	0.146	IO					2.39
16.750	0.00	0.05	0.145	IO					2.39
16.833	0.00	0.05	0.145	IO					2.39
16.917	0.00	0.05	0.145	IO					2.38
17.000	0.00	0.05	0.144	IO					2.38
17.083	0.00	0.05	0.144	IO					2.37
17.167	0.00	0.05	0.143	IO					2.37
17.250	0.00	0.05	0.143	IO					2.36
17.333	0.00	0.05	0.143	IO					2.36
17.417	0.00	0.05	0.142	IO					2.35
17.500	0.00	0.05	0.142	IO					2.35
17.583	0.00	0.05	0.142	0					2.34
17.667	0.00	0.05	0.141	0					2.34
17.750	0.00	0.05	0.141	0					2.34
17.833	0.00	0.05	0.141	0					2.33
17.917	0.00	0.05	0.140	0					2.33
18.000	0.00	0.05	0.140	0					2.32
18.083	0.00	0.05	0.139	0					2.32
18.167	0.00	0.05	0.139	0					2.31
18.250	0.00	0.05	0.139	0					2.31
18.333	0.00	0.05	0.138	0					2.30
18.417	0.00	0.05	0.138	0					2.30
18.500	0.00	0.05	0.138	0					2.30

18.583	0.00	0.05	0.137	0					2.29
18.667	0.00	0.05	0.137	0					2.29
18.750	0.00	0.05	0.136	0					2.28
18.833	0.00	0.05	0.136	0					2.28
18.917	0.00	0.05	0.136	0					2.27
19.000	0.00	0.05	0.135	0					2.27
19.083	0.00	0.05	0.135	0					2.27
19.167	0.00	0.05	0.135	0					2.26
19.250	0.00	0.05	0.134	0					2.26
19.333	0.00	0.05	0.134	0					2.25
19.417	0.00	0.05	0.134	0					2.25
19.500	0.00	0.05	0.133	0					2.24
19.583	0.00	0.05	0.133	0					2.24
19.667	0.00	0.05	0.132	0					2.23
19.750	0.00	0.05	0.132	0					2.23
19.833	0.00	0.05	0.132	0					2.23
19.917	0.00	0.05	0.131	0					2.22
20.000	0.00	0.05	0.131	0					2.22
20.083	0.00	0.05	0.131	0					2.21
20.167	0.00	0.05	0.130	0					2.21
20.250	0.00	0.05	0.130	0					2.20
20.333	0.00	0.05	0.130	0					2.20
20.417	0.00	0.05	0.129	0					2.20
20.500	0.00	0.05	0.129	0					2.19
20.583	0.00	0.05	0.128	0					2.19
20.667	0.00	0.05	0.128	0					2.18
20.750	0.00	0.05	0.128	0					2.18
20.833	0.00	0.05	0.127	0					2.17
20.917	0.00	0.05	0.127	0					2.17
21.000	0.00	0.05	0.127	0					2.17
21.083	0.00	0.05	0.126	0					2.16
21.167	0.00	0.05	0.126	0					2.16
21.250	0.00	0.05	0.126	0					2.15
21.333	0.00	0.05	0.125	0					2.15
21.417	0.00	0.05	0.125	0					2.14
21.500	0.00	0.05	0.125	0					2.14
21.583	0.00	0.05	0.124	0					2.14
21.667	0.00	0.05	0.124	0					2.13
21.750	0.00	0.05	0.124	0					2.13
21.833	0.00	0.05	0.123	0					2.12
21.917	0.00	0.05	0.123	0					2.12
22.000	0.00	0.05	0.122	0					2.11
22.083	0.00	0.05	0.122	0					2.11
22.167	0.00	0.05	0.122	0					2.11
22.250	0.00	0.05	0.121	0					2.10
22.333	0.00	0.05	0.121	0					2.10
22.417	0.00	0.05	0.121	0					2.09
22.500	0.00	0.05	0.120	0					2.09
22.583	0.00	0.05	0.120	0					2.08
22.667	0.00	0.05	0.120	0					2.08

22.750	0.00	0.05	0.119	0					2.08
22.833	0.00	0.05	0.119	0					2.07
22.917	0.00	0.05	0.119	0					2.07
23.000	0.00	0.05	0.118	0					2.06
23.083	0.00	0.05	0.118	0					2.06
23.167	0.00	0.05	0.118	0					2.05
23.250	0.00	0.05	0.117	0					2.05
23.333	0.00	0.05	0.117	0					2.05
23.417	0.00	0.05	0.116	0					2.04
23.500	0.00	0.05	0.116	0					2.04
23.583	0.00	0.05	0.116	0					2.03
23.667	0.00	0.05	0.115	0					2.03
23.750	0.00	0.05	0.115	0					2.03
23.833	0.00	0.05	0.115	0					2.02
23.917	0.00	0.05	0.114	0					2.02
24.000	0.00	0.05	0.114	0					2.01
24.083	0.00	0.05	0.114	0					2.01
24.167	0.00	0.05	0.113	0					2.00
24.250	0.00	0.05	0.113	0					2.00
24.333	0.00	0.05	0.113	0					2.00
24.417	0.00	0.05	0.112	0					1.99
24.500	0.00	0.05	0.112	0					1.99
24.583	0.00	0.05	0.112	0					1.98
24.667	0.00	0.05	0.111	0					1.98
24.750	0.00	0.05	0.111	0					1.97
24.833	0.00	0.05	0.111	0					1.97
24.917	0.00	0.05	0.110	0					1.96
25.000	0.00	0.05	0.110	0					1.96
25.083	0.00	0.05	0.110	0					1.95
25.167	0.00	0.05	0.109	0					1.95
25.250	0.00	0.05	0.109	0					1.94
25.333	0.00	0.05	0.109	0					1.94
25.417	0.00	0.05	0.108	0					1.93
25.500	0.00	0.05	0.108	0					1.93
25.583	0.00	0.05	0.108	0					1.92
25.667	0.00	0.05	0.107	0					1.92
25.750	0.00	0.05	0.107	0					1.91
25.833	0.00	0.05	0.107	0					1.91
25.917	0.00	0.05	0.106	0					1.90
26.000	0.00	0.05	0.106	0					1.90
26.083	0.00	0.05	0.106	0					1.89
26.167	0.00	0.05	0.105	0					1.89
26.250	0.00	0.05	0.105	0					1.88
26.333	0.00	0.05	0.105	0					1.88
26.417	0.00	0.05	0.104	0					1.87
26.500	0.00	0.05	0.104	0					1.87
26.583	0.00	0.05	0.104	0					1.87
26.667	0.00	0.05	0.103	0					1.86
26.750	0.00	0.05	0.103	0					1.86
26.833	0.00	0.05	0.103	0					1.85

26.917	0.00	0.05	0.102	0					1.85
27.000	0.00	0.05	0.102	0					1.84
27.083	0.00	0.05	0.102	0					1.84
27.167	0.00	0.05	0.101	0					1.83
27.250	0.00	0.05	0.101	0					1.83
27.333	0.00	0.05	0.101	0					1.82
27.417	0.00	0.05	0.100	0					1.82
27.500	0.00	0.05	0.100	0					1.81
27.583	0.00	0.05	0.100	0					1.81
27.667	0.00	0.05	0.099	0					1.80
27.750	0.00	0.05	0.099	0					1.80
27.833	0.00	0.05	0.099	0					1.80
27.917	0.00	0.05	0.098	0					1.79
28.000	0.00	0.05	0.098	0					1.79
28.083	0.00	0.05	0.098	0					1.78
28.167	0.00	0.05	0.097	0					1.78
28.250	0.00	0.05	0.097	0					1.77
28.333	0.00	0.05	0.097	0					1.77
28.417	0.00	0.05	0.096	0					1.76
28.500	0.00	0.05	0.096	0					1.76
28.583	0.00	0.05	0.096	0					1.75
28.667	0.00	0.05	0.095	0					1.75
28.750	0.00	0.05	0.095	0					1.75
28.833	0.00	0.05	0.095	0					1.74
28.917	0.00	0.05	0.095	0					1.74
29.000	0.00	0.05	0.094	0					1.73
29.083	0.00	0.05	0.094	0					1.73
29.167	0.00	0.05	0.094	0					1.72
29.250	0.00	0.05	0.093	0					1.72
29.333	0.00	0.05	0.093	0					1.71
29.417	0.00	0.05	0.093	0					1.71
29.500	0.00	0.05	0.092	0					1.70
29.583	0.00	0.05	0.092	0					1.70
29.667	0.00	0.05	0.092	0					1.70
29.750	0.00	0.05	0.091	0					1.69
29.833	0.00	0.05	0.091	0					1.69
29.917	0.00	0.05	0.091	0					1.68
30.000	0.00	0.05	0.090	0					1.68
30.083	0.00	0.05	0.090	0					1.67
30.167	0.00	0.05	0.090	0					1.67
30.250	0.00	0.04	0.090	0					1.66
30.333	0.00	0.04	0.089	0					1.66
30.417	0.00	0.04	0.089	0					1.66
30.500	0.00	0.04	0.089	0					1.65
30.583	0.00	0.04	0.088	0					1.65
30.667	0.00	0.04	0.088	0					1.64
30.750	0.00	0.04	0.088	0					1.64
30.833	0.00	0.04	0.087	0					1.63
30.917	0.00	0.04	0.087	0					1.63
31.000	0.00	0.04	0.087	0					1.62

31.083	0.00	0.04	0.086	0					1.62
31.167	0.00	0.04	0.086	0					1.62
31.250	0.00	0.04	0.086	0					1.61
31.333	0.00	0.04	0.086	0					1.61
31.417	0.00	0.04	0.085	0					1.60
31.500	0.00	0.04	0.085	0					1.60
31.583	0.00	0.04	0.085	0					1.59
31.667	0.00	0.04	0.084	0					1.59
31.750	0.00	0.04	0.084	0					1.59
31.833	0.00	0.04	0.084	0					1.58
31.917	0.00	0.04	0.083	0					1.58
32.000	0.00	0.04	0.083	0					1.57
32.083	0.00	0.04	0.083	0					1.57
32.167	0.00	0.04	0.083	0					1.56
32.250	0.00	0.04	0.082	0					1.56
32.333	0.00	0.04	0.082	0					1.56
32.417	0.00	0.04	0.082	0					1.55
32.500	0.00	0.04	0.081	0					1.55
32.583	0.00	0.04	0.081	0					1.54
32.667	0.00	0.04	0.081	0					1.54
32.750	0.00	0.04	0.080	0					1.53
32.833	0.00	0.04	0.080	0					1.53
32.917	0.00	0.04	0.080	0					1.53
33.000	0.00	0.04	0.080	0					1.52
33.083	0.00	0.04	0.079	0					1.52
33.167	0.00	0.04	0.079	0					1.51
33.250	0.00	0.04	0.079	0					1.51
33.333	0.00	0.04	0.078	0					1.51
33.417	0.00	0.04	0.078	0					1.50
33.500	0.00	0.04	0.078	0					1.50
33.583	0.00	0.04	0.077	0					1.49
33.667	0.00	0.04	0.077	0					1.49
33.750	0.00	0.04	0.077	0					1.48
33.833	0.00	0.04	0.077	0					1.48
33.917	0.00	0.04	0.076	0					1.48
34.000	0.00	0.04	0.076	0					1.47
34.083	0.00	0.04	0.076	0					1.47
34.167	0.00	0.04	0.075	0					1.46
34.250	0.00	0.04	0.075	0					1.46
34.333	0.00	0.04	0.075	0					1.46
34.417	0.00	0.04	0.075	0					1.45
34.500	0.00	0.04	0.074	0					1.45
34.583	0.00	0.04	0.074	0					1.44
34.667	0.00	0.04	0.074	0					1.44
34.750	0.00	0.04	0.073	0					1.43
34.833	0.00	0.04	0.073	0					1.43
34.917	0.00	0.04	0.073	0					1.43
35.000	0.00	0.04	0.073	0					1.42
35.083	0.00	0.04	0.072	0					1.42
35.167	0.00	0.04	0.072	0					1.41

35.250	0.00	0.04	0.072	0					1.41
35.333	0.00	0.04	0.071	0					1.41
35.417	0.00	0.04	0.071	0					1.40
35.500	0.00	0.04	0.071	0					1.40
35.583	0.00	0.04	0.071	0					1.39
35.667	0.00	0.04	0.070	0					1.39
35.750	0.00	0.04	0.070	0					1.39
35.833	0.00	0.04	0.070	0					1.38
35.917	0.00	0.04	0.069	0					1.38
36.000	0.00	0.04	0.069	0					1.37
36.083	0.00	0.04	0.069	0					1.37
36.167	0.00	0.04	0.069	0					1.37
36.250	0.00	0.04	0.068	0					1.36
36.333	0.00	0.04	0.068	0					1.36
36.417	0.00	0.04	0.068	0					1.35
36.500	0.00	0.04	0.068	0					1.35
36.583	0.00	0.04	0.067	0					1.35
36.667	0.00	0.04	0.067	0					1.34
36.750	0.00	0.04	0.067	0					1.34
36.833	0.00	0.04	0.066	0					1.33
36.917	0.00	0.04	0.066	0					1.33
37.000	0.00	0.04	0.066	0					1.33
37.083	0.00	0.04	0.066	0					1.32
37.167	0.00	0.04	0.065	0					1.32
37.250	0.00	0.04	0.065	0					1.31
37.333	0.00	0.04	0.065	0					1.31
37.417	0.00	0.04	0.064	0					1.31
37.500	0.00	0.04	0.064	0					1.30
37.583	0.00	0.04	0.064	0					1.30
37.667	0.00	0.04	0.064	0					1.30
37.750	0.00	0.04	0.063	0					1.29
37.833	0.00	0.04	0.063	0					1.29
37.917	0.00	0.04	0.063	0					1.28
38.000	0.00	0.04	0.063	0					1.28
38.083	0.00	0.04	0.062	0					1.28
38.167	0.00	0.04	0.062	0					1.27
38.250	0.00	0.04	0.062	0					1.27
38.333	0.00	0.04	0.062	0					1.26
38.417	0.00	0.04	0.061	0					1.26
38.500	0.00	0.04	0.061	0					1.26
38.583	0.00	0.04	0.061	0					1.25
38.667	0.00	0.04	0.060	0					1.25
38.750	0.00	0.04	0.060	0					1.25
38.833	0.00	0.04	0.060	0					1.24
38.917	0.00	0.04	0.060	0					1.24
39.000	0.00	0.04	0.059	0					1.23
39.083	0.00	0.04	0.059	0					1.23
39.167	0.00	0.04	0.059	0					1.23
39.250	0.00	0.04	0.059	0					1.22
39.333	0.00	0.04	0.058	0					1.22

39.417	0.00	0.04	0.058	0					1.22
39.500	0.00	0.04	0.058	0					1.21
39.583	0.00	0.04	0.058	0					1.21
39.667	0.00	0.04	0.057	0					1.20
39.750	0.00	0.04	0.057	0					1.20
39.833	0.00	0.04	0.057	0					1.20
39.917	0.00	0.04	0.056	0					1.19
40.000	0.00	0.04	0.056	0					1.19
40.083	0.00	0.04	0.056	0					1.19
40.167	0.00	0.04	0.056	0					1.18
40.250	0.00	0.04	0.055	0					1.18
40.333	0.00	0.04	0.055	0					1.17
40.417	0.00	0.04	0.055	0					1.17
40.500	0.00	0.04	0.055	0					1.17
40.583	0.00	0.04	0.054	0					1.16
40.667	0.00	0.04	0.054	0					1.16
40.750	0.00	0.04	0.054	0					1.16
40.833	0.00	0.04	0.054	0					1.15
40.917	0.00	0.04	0.053	0					1.15
41.000	0.00	0.04	0.053	0					1.14
41.083	0.00	0.04	0.053	0					1.14
41.167	0.00	0.04	0.053	0					1.14
41.250	0.00	0.04	0.052	0					1.13
41.333	0.00	0.04	0.052	0					1.13
41.417	0.00	0.04	0.052	0					1.13
41.500	0.00	0.04	0.052	0					1.12
41.583	0.00	0.04	0.051	0					1.12
41.667	0.00	0.04	0.051	0					1.12
41.750	0.00	0.04	0.051	0					1.11
41.833	0.00	0.04	0.051	0					1.11
41.917	0.00	0.04	0.050	0					1.10
42.000	0.00	0.04	0.050	0					1.10
42.083	0.00	0.04	0.050	0					1.10
42.167	0.00	0.04	0.050	0					1.09
42.250	0.00	0.04	0.049	0					1.09
42.333	0.00	0.04	0.049	0					1.09
42.417	0.00	0.04	0.049	0					1.08
42.500	0.00	0.04	0.049	0					1.08
42.583	0.00	0.04	0.048	0					1.08
42.667	0.00	0.04	0.048	0					1.07
42.750	0.00	0.04	0.048	0					1.07
42.833	0.00	0.04	0.048	0					1.07
42.917	0.00	0.04	0.047	0					1.06
43.000	0.00	0.04	0.047	0					1.06
43.083	0.00	0.04	0.047	0					1.05
43.167	0.00	0.04	0.047	0					1.05
43.250	0.00	0.04	0.046	0					1.05
43.333	0.00	0.04	0.046	0					1.04
43.417	0.00	0.04	0.046	0					1.04
43.500	0.00	0.04	0.046	0					1.04

43.583	0.00	0.04	0.045	0					1.03
43.667	0.00	0.04	0.045	0					1.03
43.750	0.00	0.04	0.045	0					1.03
43.833	0.00	0.04	0.045	0					1.02
43.917	0.00	0.04	0.044	0					1.02
44.000	0.00	0.04	0.044	0					1.02
44.083	0.00	0.04	0.044	0					1.01
44.167	0.00	0.04	0.044	0					1.01
44.250	0.00	0.04	0.043	0					1.01
44.333	0.00	0.04	0.043	0					1.00
44.417	0.00	0.03	0.043	0					1.00
44.500	0.00	0.03	0.043	0					0.99
44.583	0.00	0.03	0.042	0					0.99
44.667	0.00	0.03	0.042	0					0.98
44.750	0.00	0.03	0.042	0					0.98
44.833	0.00	0.03	0.042	0					0.97
44.917	0.00	0.03	0.042	0					0.97
45.000	0.00	0.03	0.041	0					0.96
45.083	0.00	0.03	0.041	0					0.96
45.167	0.00	0.03	0.041	0					0.95
45.250	0.00	0.03	0.041	0					0.95
45.333	0.00	0.03	0.040	0					0.94
45.417	0.00	0.03	0.040	0					0.94
45.500	0.00	0.03	0.040	0					0.93
45.583	0.00	0.03	0.040	0					0.93
45.667	0.00	0.03	0.039	0					0.92
45.750	0.00	0.03	0.039	0					0.92
45.833	0.00	0.03	0.039	0					0.91
45.917	0.00	0.03	0.039	0					0.91
46.000	0.00	0.03	0.039	0					0.90
46.083	0.00	0.03	0.038	0					0.90
46.167	0.00	0.03	0.038	0					0.89
46.250	0.00	0.03	0.038	0					0.89
46.333	0.00	0.03	0.038	0					0.88
46.417	0.00	0.03	0.037	0					0.88
46.500	0.00	0.03	0.037	0					0.87
46.583	0.00	0.03	0.037	0					0.87
46.667	0.00	0.03	0.037	0					0.86
46.750	0.00	0.03	0.037	0					0.86
46.833	0.00	0.03	0.036	0					0.86
46.917	0.00	0.03	0.036	0					0.85
47.000	0.00	0.03	0.036	0					0.85
47.083	0.00	0.03	0.036	0					0.84
47.167	0.00	0.03	0.036	0					0.84
47.250	0.00	0.03	0.035	0					0.83
47.333	0.00	0.03	0.035	0					0.83
47.417	0.00	0.03	0.035	0					0.82
47.500	0.00	0.03	0.035	0					0.82
47.583	0.00	0.03	0.035	0					0.81
47.667	0.00	0.03	0.034	0					0.81

47.750	0.00	0.03	0.034	0					0.81
47.833	0.00	0.03	0.034	0					0.80
47.917	0.00	0.03	0.034	0					0.80
48.000	0.00	0.03	0.034	0					0.79
48.083	0.00	0.03	0.033	0					0.79
48.167	0.00	0.03	0.033	0					0.78
48.250	0.00	0.03	0.033	0					0.78
48.333	0.00	0.03	0.033	0					0.78
48.417	0.00	0.03	0.033	0					0.77
48.500	0.00	0.03	0.032	0					0.77
48.583	0.00	0.03	0.032	0					0.76
48.667	0.00	0.03	0.032	0					0.76
48.750	0.00	0.03	0.032	0					0.75
48.833	0.00	0.03	0.032	0					0.75
48.917	0.00	0.03	0.031	0					0.75
49.000	0.00	0.03	0.031	0					0.74
49.083	0.00	0.03	0.031	0					0.74
49.167	0.00	0.03	0.031	0					0.73
49.250	0.00	0.03	0.031	0					0.73
49.333	0.00	0.03	0.030	0					0.73
49.417	0.00	0.03	0.030	0					0.72
49.500	0.00	0.03	0.030	0					0.72
49.583	0.00	0.03	0.030	0					0.71
49.667	0.00	0.03	0.030	0					0.71
49.750	0.00	0.03	0.030	0					0.71
49.833	0.00	0.03	0.029	0					0.70
49.917	0.00	0.03	0.029	0					0.70
50.000	0.00	0.03	0.029	0					0.69
50.083	0.00	0.03	0.029	0					0.69
50.167	0.00	0.03	0.029	0					0.69
50.250	0.00	0.03	0.029	0					0.68
50.333	0.00	0.03	0.028	0					0.68
50.417	0.00	0.03	0.028	0					0.67
50.500	0.00	0.03	0.028	0					0.67
50.583	0.00	0.02	0.028	0					0.67
50.667	0.00	0.02	0.028	0					0.66
50.750	0.00	0.02	0.027	0					0.66
50.833	0.00	0.02	0.027	0					0.66
50.917	0.00	0.02	0.027	0					0.65
51.000	0.00	0.02	0.027	0					0.65
51.083	0.00	0.02	0.027	0					0.64
51.167	0.00	0.02	0.027	0					0.64
51.250	0.00	0.02	0.026	0					0.64
51.333	0.00	0.02	0.026	0					0.63
51.417	0.00	0.02	0.026	0					0.63
51.500	0.00	0.02	0.026	0					0.63
51.583	0.00	0.02	0.026	0					0.62
51.667	0.00	0.02	0.026	0					0.62
51.750	0.00	0.02	0.025	0					0.62
51.833	0.00	0.02	0.025	0					0.61

51.917	0.00	0.02	0.025	0					0.61
52.000	0.00	0.02	0.025	0					0.60
52.083	0.00	0.02	0.025	0					0.60
52.167	0.00	0.02	0.025	0					0.60
52.250	0.00	0.02	0.025	0					0.59
52.333	0.00	0.02	0.024	0					0.59
52.417	0.00	0.02	0.024	0					0.59
52.500	0.00	0.02	0.024	0					0.58
52.583	0.00	0.02	0.024	0					0.58
52.667	0.00	0.02	0.024	0					0.58
52.750	0.00	0.02	0.024	0					0.57
52.833	0.00	0.02	0.023	0					0.57
52.917	0.00	0.02	0.023	0					0.57
53.000	0.00	0.02	0.023	0					0.56
53.083	0.00	0.02	0.023	0					0.56
53.167	0.00	0.02	0.023	0					0.56
53.250	0.00	0.02	0.023	0					0.55
53.333	0.00	0.02	0.023	0					0.55
53.417	0.00	0.02	0.022	0					0.55
53.500	0.00	0.02	0.022	0					0.54
53.583	0.00	0.02	0.022	0					0.54
53.667	0.00	0.02	0.022	0					0.54
53.750	0.00	0.02	0.022	0					0.53
53.833	0.00	0.02	0.022	0					0.53
53.917	0.00	0.02	0.022	0					0.53
54.000	0.00	0.02	0.021	0					0.53
54.083	0.00	0.02	0.021	0					0.52
54.167	0.00	0.02	0.021	0					0.52
54.250	0.00	0.02	0.021	0					0.52
54.333	0.00	0.02	0.021	0					0.51
54.417	0.00	0.02	0.021	0					0.51
54.500	0.00	0.02	0.021	0					0.51
54.583	0.00	0.02	0.020	0					0.50
54.667	0.00	0.02	0.020	0					0.50
54.750	0.00	0.02	0.020	0					0.50
54.833	0.00	0.02	0.020	0					0.49
54.917	0.00	0.02	0.020	0					0.49
55.000	0.00	0.02	0.020	0					0.49
55.083	0.00	0.02	0.020	0					0.49
55.167	0.00	0.02	0.019	0					0.48
55.250	0.00	0.02	0.019	0					0.48
55.333	0.00	0.02	0.019	0					0.48
55.417	0.00	0.02	0.019	0					0.47
55.500	0.00	0.02	0.019	0					0.47
55.583	0.00	0.02	0.019	0					0.47
55.667	0.00	0.02	0.019	0					0.47
55.750	0.00	0.02	0.019	0					0.46
55.833	0.00	0.02	0.018	0					0.46
55.917	0.00	0.02	0.018	0					0.46
56.000	0.00	0.02	0.018	0					0.45

56.083	0.00	0.02	0.018	0					0.45
56.167	0.00	0.02	0.018	0					0.45
56.250	0.00	0.02	0.018	0					0.45
56.333	0.00	0.02	0.018	0					0.44
56.417	0.00	0.02	0.017	0					0.44
56.500	0.00	0.02	0.017	0					0.44
56.583	0.00	0.02	0.017	0					0.43
56.667	0.00	0.02	0.017	0					0.43
56.750	0.00	0.02	0.017	0					0.43
56.833	0.00	0.02	0.017	0					0.43
56.917	0.00	0.02	0.017	0					0.42
57.000	0.00	0.02	0.017	0					0.42
57.083	0.00	0.02	0.016	0					0.42
57.167	0.00	0.02	0.016	0					0.42
57.250	0.00	0.02	0.016	0					0.41
57.333	0.00	0.02	0.016	0					0.41
57.417	0.00	0.02	0.016	0					0.41
57.500	0.00	0.02	0.016	0					0.41
57.583	0.00	0.02	0.016	0					0.40
57.667	0.00	0.02	0.016	0					0.40
57.750	0.00	0.02	0.016	0					0.40
57.833	0.00	0.02	0.015	0					0.39
57.917	0.00	0.02	0.015	0					0.39
58.000	0.00	0.02	0.015	0					0.39
58.083	0.00	0.02	0.015	0					0.39
58.167	0.00	0.02	0.015	0					0.38
58.250	0.00	0.02	0.015	0					0.38
58.333	0.00	0.02	0.015	0					0.38
58.417	0.00	0.02	0.015	0					0.38
58.500	0.00	0.02	0.015	0					0.37
58.583	0.00	0.02	0.014	0					0.37
58.667	0.00	0.02	0.014	0					0.37
58.750	0.00	0.02	0.014	0					0.37
58.833	0.00	0.02	0.014	0					0.37
58.917	0.00	0.02	0.014	0					0.36
59.000	0.00	0.02	0.014	0					0.36
59.083	0.00	0.02	0.014	0					0.36
59.167	0.00	0.02	0.014	0					0.36
59.250	0.00	0.02	0.014	0					0.35
59.333	0.00	0.02	0.013	0					0.35
59.417	0.00	0.02	0.013	0					0.35
59.500	0.00	0.02	0.013	0					0.35
59.583	0.00	0.02	0.013	0					0.34
59.667	0.00	0.02	0.013	0					0.34
59.750	0.00	0.02	0.013	0					0.34
59.833	0.00	0.02	0.013	0					0.34
59.917	0.00	0.02	0.013	0					0.33
60.000	0.00	0.01	0.013	0					0.33
60.083	0.00	0.01	0.012	0					0.33
60.167	0.00	0.01	0.012	0					0.33

60.250	0.00	0.01	0.012	0					0.33
60.333	0.00	0.01	0.012	0					0.32
60.417	0.00	0.01	0.012	0					0.32
60.500	0.00	0.01	0.012	0					0.32
60.583	0.00	0.01	0.012	0					0.32
60.667	0.00	0.01	0.012	0					0.31
60.750	0.00	0.01	0.012	0					0.31
60.833	0.00	0.01	0.012	0					0.31
60.917	0.00	0.01	0.011	0					0.31
61.000	0.00	0.01	0.011	0					0.31
61.083	0.00	0.01	0.011	0					0.30
61.167	0.00	0.01	0.011	0					0.30
61.250	0.00	0.01	0.011	0					0.30
61.333	0.00	0.01	0.011	0					0.30
61.417	0.00	0.01	0.011	0					0.30
61.500	0.00	0.01	0.011	0					0.29
61.583	0.00	0.01	0.011	0					0.29
61.667	0.00	0.01	0.011	0					0.29
61.750	0.00	0.01	0.011	0					0.29
61.833	0.00	0.01	0.010	0					0.29
61.917	0.00	0.01	0.010	0					0.28
62.000	0.00	0.01	0.010	0					0.28
62.083	0.00	0.01	0.010	0					0.28
62.167	0.00	0.01	0.010	0					0.28
62.250	0.00	0.01	0.010	0					0.27
62.333	0.00	0.01	0.010	0					0.27
62.417	0.00	0.01	0.010	0					0.27
62.500	0.00	0.01	0.010	0					0.27
62.583	0.00	0.01	0.010	0					0.27
62.667	0.00	0.01	0.010	0					0.27
62.750	0.00	0.01	0.009	0					0.26
62.833	0.00	0.01	0.009	0					0.26
62.917	0.00	0.01	0.009	0					0.26
63.000	0.00	0.01	0.009	0					0.26
63.083	0.00	0.01	0.009	0					0.26
63.167	0.00	0.01	0.009	0					0.25
63.250	0.00	0.01	0.009	0					0.25
63.333	0.00	0.01	0.009	0					0.25
63.417	0.00	0.01	0.009	0					0.25
63.500	0.00	0.01	0.009	0					0.25
63.583	0.00	0.01	0.009	0					0.24
63.667	0.00	0.01	0.008	0					0.24
63.750	0.00	0.01	0.008	0					0.24
63.833	0.00	0.01	0.008	0					0.24
63.917	0.00	0.01	0.008	0					0.24
64.000	0.00	0.01	0.008	0					0.23
64.083	0.00	0.01	0.008	0					0.23
64.167	0.00	0.01	0.008	0					0.23
64.250	0.00	0.01	0.008	0					0.23
64.333	0.00	0.01	0.008	0					0.23

64.417	0.00	0.01	0.008	0					0.23
64.500	0.00	0.01	0.008	0					0.22
64.583	0.00	0.01	0.008	0					0.22
64.667	0.00	0.01	0.007	0					0.22
64.750	0.00	0.01	0.007	0					0.22
64.833	0.00	0.01	0.007	0					0.22
64.917	0.00	0.01	0.007	0					0.22
65.000	0.00	0.01	0.007	0					0.21
65.083	0.00	0.01	0.007	0					0.21
65.167	0.00	0.01	0.007	0					0.21
65.250	0.00	0.01	0.007	0					0.21
65.333	0.00	0.01	0.007	0					0.21
65.417	0.00	0.01	0.007	0					0.21
65.500	0.00	0.01	0.007	0					0.20
65.583	0.00	0.01	0.007	0					0.20
65.667	0.00	0.01	0.007	0					0.20
65.750	0.00	0.01	0.006	0					0.20
65.833	0.00	0.01	0.006	0					0.20
65.917	0.00	0.01	0.006	0					0.20
66.000	0.00	0.01	0.006	0					0.19
66.083	0.00	0.01	0.006	0					0.19
66.167	0.00	0.01	0.006	0					0.19
66.250	0.00	0.01	0.006	0					0.19
66.333	0.00	0.01	0.006	0					0.19
66.417	0.00	0.01	0.006	0					0.19
66.500	0.00	0.01	0.006	0					0.18
66.583	0.00	0.01	0.006	0					0.18
66.667	0.00	0.01	0.006	0					0.18
66.750	0.00	0.01	0.006	0					0.18
66.833	0.00	0.01	0.006	0					0.18
66.917	0.00	0.01	0.005	0					0.18
67.000	0.00	0.01	0.005	0					0.17
67.083	0.00	0.01	0.005	0					0.17
67.167	0.00	0.01	0.005	0					0.17
67.250	0.00	0.01	0.005	0					0.17
67.333	0.00	0.01	0.005	0					0.17
67.417	0.00	0.01	0.005	0					0.17
67.500	0.00	0.01	0.005	0					0.17
67.583	0.00	0.01	0.005	0					0.16
67.667	0.00	0.01	0.005	0					0.16
67.750	0.00	0.01	0.005	0					0.16
67.833	0.00	0.01	0.005	0					0.16
67.917	0.00	0.01	0.005	0					0.16
68.000	0.00	0.01	0.005	0					0.16
68.083	0.00	0.01	0.004	0					0.15
68.167	0.00	0.01	0.004	0					0.15
68.250	0.00	0.01	0.004	0					0.15
68.333	0.00	0.01	0.004	0					0.15
68.417	0.00	0.01	0.004	0					0.15
68.500	0.00	0.01	0.004	0					0.15

68.583	0.00	0.01	0.004	0					0.15
68.667	0.00	0.01	0.004	0					0.14
68.750	0.00	0.01	0.004	0					0.14
68.833	0.00	0.01	0.004	0					0.14
68.917	0.00	0.01	0.004	0					0.14
69.000	0.00	0.01	0.004	0					0.14
69.083	0.00	0.01	0.004	0					0.14
69.167	0.00	0.01	0.004	0					0.14
69.250	0.00	0.01	0.004	0					0.14
69.333	0.00	0.01	0.004	0					0.13
69.417	0.00	0.01	0.003	0					0.13
69.500	0.00	0.01	0.003	0					0.13
69.583	0.00	0.01	0.003	0					0.13
69.667	0.00	0.01	0.003	0					0.13
69.750	0.00	0.01	0.003	0					0.13
69.833	0.00	0.01	0.003	0					0.13
69.917	0.00	0.01	0.003	0					0.12
70.000	0.00	0.01	0.003	0					0.12
70.083	0.00	0.01	0.003	0					0.12
70.167	0.00	0.01	0.003	0					0.12
70.250	0.00	0.01	0.003	0					0.12
70.333	0.00	0.01	0.003	0					0.12
70.417	0.00	0.01	0.003	0					0.12
70.500	0.00	0.01	0.003	0					0.12
70.583	0.00	0.01	0.003	0					0.11
70.667	0.00	0.01	0.003	0					0.11
70.750	0.00	0.01	0.003	0					0.11
70.833	0.00	0.01	0.002	0					0.11
70.917	0.00	0.01	0.002	0					0.11
71.000	0.00	0.01	0.002	0					0.11
71.083	0.00	0.01	0.002	0					0.11
71.167	0.00	0.01	0.002	0					0.11
71.250	0.00	0.01	0.002	0					0.10
71.333	0.00	0.01	0.002	0					0.10
71.417	0.00	0.01	0.002	0					0.10
71.500	0.00	0.01	0.002	0					0.10
71.583	0.00	0.01	0.002	0					0.10
71.667	0.00	0.01	0.002	0					0.10
71.750	0.00	0.01	0.002	0					0.09
71.833	0.00	0.01	0.002	0					0.09
71.917	0.00	0.01	0.002	0					0.09
72.000	0.00	0.01	0.002	0					0.09
72.083	0.00	0.01	0.002	0					0.08
72.167	0.00	0.01	0.002	0					0.08
72.250	0.00	0.01	0.002	0					0.08
72.333	0.00	0.01	0.002	0					0.08
72.417	0.00	0.01	0.001	0					0.07
72.500	0.00	0.01	0.001	0					0.07
72.583	0.00	0.01	0.001	0					0.07
72.667	0.00	0.01	0.001	0					0.07

72.750	0.00	0.01	0.001	0					0.07
72.833	0.00	0.01	0.001	0					0.06
72.917	0.00	0.01	0.001	0					0.06
73.000	0.00	0.00	0.001	0					0.06
73.083	0.00	0.00	0.001	0					0.06
73.167	0.00	0.00	0.001	0					0.06
73.250	0.00	0.00	0.001	0					0.06
73.333	0.00	0.00	0.001	0					0.05
73.417	0.00	0.00	0.001	0					0.05
73.500	0.00	0.00	0.001	0					0.05
73.583	0.00	0.00	0.001	0					0.05
73.667	0.00	0.00	0.001	0					0.05
73.750	0.00	0.00	0.001	0					0.05
73.833	0.00	0.00	0.001	0					0.05
73.917	0.00	0.00	0.001	0					0.05
74.000	0.00	0.00	0.001	0					0.04
74.083	0.00	0.00	0.001	0					0.04
74.167	0.00	0.00	0.001	0					0.04
74.250	0.00	0.00	0.001	0					0.04
74.333	0.00	0.00	0.001	0					0.04
74.417	0.00	0.00	0.001	0					0.04
74.500	0.00	0.00	0.001	0					0.04
74.583	0.00	0.00	0.001	0					0.04
74.667	0.00	0.00	0.001	0					0.04
74.750	0.00	0.00	0.001	0					0.03
74.833	0.00	0.00	0.001	0					0.03
74.917	0.00	0.00	0.001	0					0.03
75.000	0.00	0.00	0.001	0					0.03
75.083	0.00	0.00	0.001	0					0.03
75.167	0.00	0.00	0.001	0					0.03
75.250	0.00	0.00	0.001	0					0.03
75.333	0.00	0.00	0.001	0					0.03
75.417	0.00	0.00	0.001	0					0.03
75.500	0.00	0.00	0.001	0					0.03
75.583	0.00	0.00	0.001	0					0.03
75.667	0.00	0.00	0.001	0					0.03
75.750	0.00	0.00	0.000	0					0.02
75.833	0.00	0.00	0.000	0					0.02
75.917	0.00	0.00	0.000	0					0.02
76.000	0.00	0.00	0.000	0					0.02
76.083	0.00	0.00	0.000	0					0.02
76.167	0.00	0.00	0.000	0					0.02
76.250	0.00	0.00	0.000	0					0.02
76.333	0.00	0.00	0.000	0					0.02
76.417	0.00	0.00	0.000	0					0.02
76.500	0.00	0.00	0.000	0					0.02
76.583	0.00	0.00	0.000	0					0.02
76.667	0.00	0.00	0.000	0					0.02
76.750	0.00	0.00	0.000	0					0.02
76.833	0.00	0.00	0.000	0					0.02

76.917	0.00	0.00	0.000	0					0.02
77.000	0.00	0.00	0.000	0					0.02
77.083	0.00	0.00	0.000	0					0.02
77.167	0.00	0.00	0.000	0					0.02
77.250	0.00	0.00	0.000	0					0.02
77.333	0.00	0.00	0.000	0					0.01
77.417	0.00	0.00	0.000	0					0.01
77.500	0.00	0.00	0.000	0					0.01
77.583	0.00	0.00	0.000	0					0.01
77.667	0.00	0.00	0.000	0					0.01
77.750	0.00	0.00	0.000	0					0.01
77.833	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 934

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.061 (CFS)

Total volume = 0.214 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
2 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da332.rte
*****HYDROGRAPH DATA*****
Number of intervals = 37
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.894 (CFS)
Total volume = 0.156 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 37
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	0.95	1.42	1.89	Depth (Ft.)
0.083	0.19	0.00	0.001	0 I					0.03
0.167	0.29	0.01	0.002	0 I					0.11
0.250	0.26	0.01	0.004	0 I					0.15
0.333	0.31	0.01	0.006	0 I					0.19
0.417	0.34	0.01	0.008	0 I					0.24
0.500	0.38	0.01	0.011	0 I					0.29
0.583	0.36	0.02	0.013	0 I					0.34
0.667	0.38	0.02	0.015	0 I					0.39
0.750	0.40	0.02	0.018	0 I					0.45
0.833	0.36	0.02	0.020	0 I					0.51
0.917	0.35	0.02	0.023	0 I					0.56
1.000	0.39	0.02	0.025	0 I					0.61
1.083	0.46	0.03	0.028	0 I					0.67
1.167	0.49	0.03	0.031	0 I					0.74
1.250	0.49	0.03	0.034	0 I					0.81
1.333	0.46	0.03	0.037	0 I					0.88
1.417	0.54	0.03	0.041	0 I					0.95
1.500	0.60	0.04	0.044	0 I					1.02
1.583	0.56	0.04	0.048	0 I					1.07
1.667	0.58	0.04	0.052	0 I					1.12
1.750	0.69	0.04	0.056	0 I					1.18
1.833	0.71	0.04	0.060	0 I					1.25

1.917	0.66	0.04	0.065	0		I				1.31
2.000	0.66	0.04	0.069	0		I				1.37
2.083	0.69	0.04	0.073	0		I				1.43
2.167	0.86	0.04	0.078	0			I			1.51
2.250	1.06	0.04	0.085	0				I		1.60
2.333	0.89	0.05	0.091	0			I			1.69
2.417	1.30	0.05	0.098	0				I		1.79
2.500	1.66	0.05	0.108	0					I	1.93
2.583	1.89	0.05	0.120	0						2.09
2.667	1.54	0.05	0.132	0				I		2.23
2.750	0.74	0.05	0.139	0		I				2.32
2.833	0.42	0.05	0.143	0		I				2.36
2.917	0.40	0.05	0.145	0		I				2.39
3.000	0.22	0.05	0.147	0	I					2.41
3.083	0.04	0.05	0.148	0						2.42
3.167	0.00	0.05	0.147	0						2.41
3.250	0.00	0.05	0.147	0						2.41
3.333	0.00	0.05	0.147	0						2.40
3.417	0.00	0.05	0.146	0						2.40
3.500	0.00	0.05	0.146	0						2.40
3.583	0.00	0.05	0.145	0						2.39
3.667	0.00	0.05	0.145	0						2.39
3.750	0.00	0.05	0.145	0						2.38
3.833	0.00	0.05	0.144	0						2.38
3.917	0.00	0.05	0.144	0						2.37
4.000	0.00	0.05	0.144	0						2.37
4.083	0.00	0.05	0.143	0						2.36
4.167	0.00	0.05	0.143	0						2.36
4.250	0.00	0.05	0.143	0						2.36
4.333	0.00	0.05	0.142	0						2.35
4.417	0.00	0.05	0.142	0						2.35
4.500	0.00	0.05	0.141	0						2.34
4.583	0.00	0.05	0.141	0						2.34
4.667	0.00	0.05	0.141	0						2.33
4.750	0.00	0.05	0.140	0						2.33
4.833	0.00	0.05	0.140	0						2.32
4.917	0.00	0.05	0.140	0						2.32
5.000	0.00	0.05	0.139	0						2.32
5.083	0.00	0.05	0.139	0						2.31
5.167	0.00	0.05	0.138	0						2.31
5.250	0.00	0.05	0.138	0						2.30
5.333	0.00	0.05	0.138	0						2.30
5.417	0.00	0.05	0.137	0						2.29
5.500	0.00	0.05	0.137	0						2.29
5.583	0.00	0.05	0.137	0						2.28
5.667	0.00	0.05	0.136	0						2.28
5.750	0.00	0.05	0.136	0						2.28
5.833	0.00	0.05	0.136	0						2.27
5.917	0.00	0.05	0.135	0						2.27
6.000	0.00	0.05	0.135	0						2.26

6.083	0.00	0.05	0.134	0					2.26
6.167	0.00	0.05	0.134	0					2.25
6.250	0.00	0.05	0.134	0					2.25
6.333	0.00	0.05	0.133	0					2.24
6.417	0.00	0.05	0.133	0					2.24
6.500	0.00	0.05	0.133	0					2.24
6.583	0.00	0.05	0.132	0					2.23
6.667	0.00	0.05	0.132	0					2.23
6.750	0.00	0.05	0.132	0					2.22
6.833	0.00	0.05	0.131	0					2.22
6.917	0.00	0.05	0.131	0					2.21
7.000	0.00	0.05	0.130	0					2.21
7.083	0.00	0.05	0.130	0					2.21
7.167	0.00	0.05	0.130	0					2.20
7.250	0.00	0.05	0.129	0					2.20
7.333	0.00	0.05	0.129	0					2.19
7.417	0.00	0.05	0.129	0					2.19
7.500	0.00	0.05	0.128	0					2.18
7.583	0.00	0.05	0.128	0					2.18
7.667	0.00	0.05	0.128	0					2.18
7.750	0.00	0.05	0.127	0					2.17
7.833	0.00	0.05	0.127	0					2.17
7.917	0.00	0.05	0.126	0					2.16
8.000	0.00	0.05	0.126	0					2.16
8.083	0.00	0.05	0.126	0					2.15
8.167	0.00	0.05	0.125	0					2.15
8.250	0.00	0.05	0.125	0					2.15
8.333	0.00	0.05	0.125	0					2.14
8.417	0.00	0.05	0.124	0					2.14
8.500	0.00	0.05	0.124	0					2.13
8.583	0.00	0.05	0.124	0					2.13
8.667	0.00	0.05	0.123	0					2.12
8.750	0.00	0.05	0.123	0					2.12
8.833	0.00	0.05	0.123	0					2.12
8.917	0.00	0.05	0.122	0					2.11
9.000	0.00	0.05	0.122	0					2.11
9.083	0.00	0.05	0.122	0					2.10
9.167	0.00	0.05	0.121	0					2.10
9.250	0.00	0.05	0.121	0					2.09
9.333	0.00	0.05	0.120	0					2.09
9.417	0.00	0.05	0.120	0					2.09
9.500	0.00	0.05	0.120	0					2.08
9.583	0.00	0.05	0.119	0					2.08
9.667	0.00	0.05	0.119	0					2.07
9.750	0.00	0.05	0.119	0					2.07
9.833	0.00	0.05	0.118	0					2.06
9.917	0.00	0.05	0.118	0					2.06
10.000	0.00	0.05	0.118	0					2.06
10.083	0.00	0.05	0.117	0					2.05
10.167	0.00	0.05	0.117	0					2.05

10.250	0.00	0.05	0.117	0					2.04
10.333	0.00	0.05	0.116	0					2.04
10.417	0.00	0.05	0.116	0					2.04
10.500	0.00	0.05	0.116	0					2.03
10.583	0.00	0.05	0.115	0					2.03
10.667	0.00	0.05	0.115	0					2.02
10.750	0.00	0.05	0.115	0					2.02
10.833	0.00	0.05	0.114	0					2.01
10.917	0.00	0.05	0.114	0					2.01
11.000	0.00	0.05	0.114	0					2.01
11.083	0.00	0.05	0.113	0					2.00
11.167	0.00	0.05	0.113	0					2.00
11.250	0.00	0.05	0.112	0					1.99
11.333	0.00	0.05	0.112	0					1.99
11.417	0.00	0.05	0.112	0					1.98
11.500	0.00	0.05	0.111	0					1.98
11.583	0.00	0.05	0.111	0					1.97
11.667	0.00	0.05	0.111	0					1.97
11.750	0.00	0.05	0.110	0					1.96
11.833	0.00	0.05	0.110	0					1.96
11.917	0.00	0.05	0.110	0					1.95
12.000	0.00	0.05	0.109	0					1.95
12.083	0.00	0.05	0.109	0					1.94
12.167	0.00	0.05	0.109	0					1.94
12.250	0.00	0.05	0.108	0					1.93
12.333	0.00	0.05	0.108	0					1.93
12.417	0.00	0.05	0.108	0					1.92
12.500	0.00	0.05	0.107	0					1.92
12.583	0.00	0.05	0.107	0					1.92
12.667	0.00	0.05	0.107	0					1.91
12.750	0.00	0.05	0.106	0					1.91
12.833	0.00	0.05	0.106	0					1.90
12.917	0.00	0.05	0.106	0					1.90
13.000	0.00	0.05	0.105	0					1.89
13.083	0.00	0.05	0.105	0					1.89
13.167	0.00	0.05	0.105	0					1.88
13.250	0.00	0.05	0.104	0					1.88
13.333	0.00	0.05	0.104	0					1.87
13.417	0.00	0.05	0.104	0					1.87
13.500	0.00	0.05	0.103	0					1.86
13.583	0.00	0.05	0.103	0					1.86
13.667	0.00	0.05	0.103	0					1.85
13.750	0.00	0.05	0.102	0					1.85
13.833	0.00	0.05	0.102	0					1.84
13.917	0.00	0.05	0.102	0					1.84
14.000	0.00	0.05	0.101	0					1.83
14.083	0.00	0.05	0.101	0					1.83
14.167	0.00	0.05	0.101	0					1.83
14.250	0.00	0.05	0.100	0					1.82
14.333	0.00	0.05	0.100	0					1.82

14.417	0.00	0.05	0.100	0					1.81
14.500	0.00	0.05	0.099	0					1.81
14.583	0.00	0.05	0.099	0					1.80
14.667	0.00	0.05	0.099	0					1.80
14.750	0.00	0.05	0.098	0					1.79
14.833	0.00	0.05	0.098	0					1.79
14.917	0.00	0.05	0.098	0					1.78
15.000	0.00	0.05	0.098	0					1.78
15.083	0.00	0.05	0.097	0					1.77
15.167	0.00	0.05	0.097	0					1.77
15.250	0.00	0.05	0.097	0					1.77
15.333	0.00	0.05	0.096	0					1.76
15.417	0.00	0.05	0.096	0					1.76
15.500	0.00	0.05	0.096	0					1.75
15.583	0.00	0.05	0.095	0					1.75
15.667	0.00	0.05	0.095	0					1.74
15.750	0.00	0.05	0.095	0					1.74
15.833	0.00	0.05	0.094	0					1.73
15.917	0.00	0.05	0.094	0					1.73
16.000	0.00	0.05	0.094	0					1.72
16.083	0.00	0.05	0.093	0					1.72
16.167	0.00	0.05	0.093	0					1.72
16.250	0.00	0.05	0.093	0					1.71
16.333	0.00	0.05	0.092	0					1.71
16.417	0.00	0.05	0.092	0					1.70
16.500	0.00	0.05	0.092	0					1.70
16.583	0.00	0.05	0.092	0					1.69
16.667	0.00	0.05	0.091	0					1.69
16.750	0.00	0.05	0.091	0					1.68
16.833	0.00	0.05	0.091	0					1.68
16.917	0.00	0.05	0.090	0					1.68
17.000	0.00	0.05	0.090	0					1.67
17.083	0.00	0.04	0.090	0					1.67
17.167	0.00	0.04	0.089	0					1.66
17.250	0.00	0.04	0.089	0					1.66
17.333	0.00	0.04	0.089	0					1.65
17.417	0.00	0.04	0.088	0					1.65
17.500	0.00	0.04	0.088	0					1.64
17.583	0.00	0.04	0.088	0					1.64
17.667	0.00	0.04	0.087	0					1.64
17.750	0.00	0.04	0.087	0					1.63
17.833	0.00	0.04	0.087	0					1.63
17.917	0.00	0.04	0.087	0					1.62
18.000	0.00	0.04	0.086	0					1.62
18.083	0.00	0.04	0.086	0					1.61
18.167	0.00	0.04	0.086	0					1.61
18.250	0.00	0.04	0.085	0					1.60
18.333	0.00	0.04	0.085	0					1.60
18.417	0.00	0.04	0.085	0					1.60
18.500	0.00	0.04	0.084	0					1.59

18.583	0.00	0.04	0.084	0					1.59
18.667	0.00	0.04	0.084	0					1.58
18.750	0.00	0.04	0.084	0					1.58
18.833	0.00	0.04	0.083	0					1.57
18.917	0.00	0.04	0.083	0					1.57
19.000	0.00	0.04	0.083	0					1.57
19.083	0.00	0.04	0.082	0					1.56
19.167	0.00	0.04	0.082	0					1.56
19.250	0.00	0.04	0.082	0					1.55
19.333	0.00	0.04	0.081	0					1.55
19.417	0.00	0.04	0.081	0					1.54
19.500	0.00	0.04	0.081	0					1.54
19.583	0.00	0.04	0.081	0					1.54
19.667	0.00	0.04	0.080	0					1.53
19.750	0.00	0.04	0.080	0					1.53
19.833	0.00	0.04	0.080	0					1.52
19.917	0.00	0.04	0.079	0					1.52
20.000	0.00	0.04	0.079	0					1.52
20.083	0.00	0.04	0.079	0					1.51
20.167	0.00	0.04	0.078	0					1.51
20.250	0.00	0.04	0.078	0					1.50
20.333	0.00	0.04	0.078	0					1.50
20.417	0.00	0.04	0.078	0					1.49
20.500	0.00	0.04	0.077	0					1.49
20.583	0.00	0.04	0.077	0					1.49
20.667	0.00	0.04	0.077	0					1.48
20.750	0.00	0.04	0.076	0					1.48
20.833	0.00	0.04	0.076	0					1.47
20.917	0.00	0.04	0.076	0					1.47
21.000	0.00	0.04	0.076	0					1.47
21.083	0.00	0.04	0.075	0					1.46
21.167	0.00	0.04	0.075	0					1.46
21.250	0.00	0.04	0.075	0					1.45
21.333	0.00	0.04	0.074	0					1.45
21.417	0.00	0.04	0.074	0					1.44
21.500	0.00	0.04	0.074	0					1.44
21.583	0.00	0.04	0.074	0					1.44
21.667	0.00	0.04	0.073	0					1.43
21.750	0.00	0.04	0.073	0					1.43
21.833	0.00	0.04	0.073	0					1.42
21.917	0.00	0.04	0.072	0					1.42
22.000	0.00	0.04	0.072	0					1.42
22.083	0.00	0.04	0.072	0					1.41
22.167	0.00	0.04	0.072	0					1.41
22.250	0.00	0.04	0.071	0					1.40
22.333	0.00	0.04	0.071	0					1.40
22.417	0.00	0.04	0.071	0					1.40
22.500	0.00	0.04	0.070	0					1.39
22.583	0.00	0.04	0.070	0					1.39
22.667	0.00	0.04	0.070	0					1.38

22.750	0.00	0.04	0.070	0					1.38
22.833	0.00	0.04	0.069	0					1.38
22.917	0.00	0.04	0.069	0					1.37
23.000	0.00	0.04	0.069	0					1.37
23.083	0.00	0.04	0.068	0					1.36
23.167	0.00	0.04	0.068	0					1.36
23.250	0.00	0.04	0.068	0					1.36
23.333	0.00	0.04	0.068	0					1.35
23.417	0.00	0.04	0.067	0					1.35
23.500	0.00	0.04	0.067	0					1.34
23.583	0.00	0.04	0.067	0					1.34
23.667	0.00	0.04	0.067	0					1.34
23.750	0.00	0.04	0.066	0					1.33
23.833	0.00	0.04	0.066	0					1.33
23.917	0.00	0.04	0.066	0					1.32
24.000	0.00	0.04	0.065	0					1.32
24.083	0.00	0.04	0.065	0					1.32
24.167	0.00	0.04	0.065	0					1.31
24.250	0.00	0.04	0.065	0					1.31
24.333	0.00	0.04	0.064	0					1.30
24.417	0.00	0.04	0.064	0					1.30
24.500	0.00	0.04	0.064	0					1.30
24.583	0.00	0.04	0.064	0					1.29
24.667	0.00	0.04	0.063	0					1.29
24.750	0.00	0.04	0.063	0					1.29
24.833	0.00	0.04	0.063	0					1.28
24.917	0.00	0.04	0.062	0					1.28
25.000	0.00	0.04	0.062	0					1.27
25.083	0.00	0.04	0.062	0					1.27
25.167	0.00	0.04	0.062	0					1.27
25.250	0.00	0.04	0.061	0					1.26
25.333	0.00	0.04	0.061	0					1.26
25.417	0.00	0.04	0.061	0					1.25
25.500	0.00	0.04	0.061	0					1.25
25.583	0.00	0.04	0.060	0					1.25
25.667	0.00	0.04	0.060	0					1.24
25.750	0.00	0.04	0.060	0					1.24
25.833	0.00	0.04	0.059	0					1.24
25.917	0.00	0.04	0.059	0					1.23
26.000	0.00	0.04	0.059	0					1.23
26.083	0.00	0.04	0.059	0					1.22
26.167	0.00	0.04	0.058	0					1.22
26.250	0.00	0.04	0.058	0					1.22
26.333	0.00	0.04	0.058	0					1.21
26.417	0.00	0.04	0.058	0					1.21
26.500	0.00	0.04	0.057	0					1.21
26.583	0.00	0.04	0.057	0					1.20
26.667	0.00	0.04	0.057	0					1.20
26.750	0.00	0.04	0.057	0					1.19
26.833	0.00	0.04	0.056	0					1.19

26.917	0.00	0.04	0.056	0					1.19
27.000	0.00	0.04	0.056	0					1.18
27.083	0.00	0.04	0.056	0					1.18
27.167	0.00	0.04	0.055	0					1.18
27.250	0.00	0.04	0.055	0					1.17
27.333	0.00	0.04	0.055	0					1.17
27.417	0.00	0.04	0.055	0					1.16
27.500	0.00	0.04	0.054	0					1.16
27.583	0.00	0.04	0.054	0					1.16
27.667	0.00	0.04	0.054	0					1.15
27.750	0.00	0.04	0.053	0					1.15
27.833	0.00	0.04	0.053	0					1.15
27.917	0.00	0.04	0.053	0					1.14
28.000	0.00	0.04	0.053	0					1.14
28.083	0.00	0.04	0.052	0					1.14
28.167	0.00	0.04	0.052	0					1.13
28.250	0.00	0.04	0.052	0					1.13
28.333	0.00	0.04	0.052	0					1.12
28.417	0.00	0.04	0.051	0					1.12
28.500	0.00	0.04	0.051	0					1.12
28.583	0.00	0.04	0.051	0					1.11
28.667	0.00	0.04	0.051	0					1.11
28.750	0.00	0.04	0.050	0					1.11
28.833	0.00	0.04	0.050	0					1.10
28.917	0.00	0.04	0.050	0					1.10
29.000	0.00	0.04	0.050	0					1.10
29.083	0.00	0.04	0.049	0					1.09
29.167	0.00	0.04	0.049	0					1.09
29.250	0.00	0.04	0.049	0					1.08
29.333	0.00	0.04	0.049	0					1.08
29.417	0.00	0.04	0.048	0					1.08
29.500	0.00	0.04	0.048	0					1.07
29.583	0.00	0.04	0.048	0					1.07
29.667	0.00	0.04	0.048	0					1.07
29.750	0.00	0.04	0.047	0					1.06
29.833	0.00	0.04	0.047	0					1.06
29.917	0.00	0.04	0.047	0					1.06
30.000	0.00	0.04	0.047	0					1.05
30.083	0.00	0.04	0.046	0					1.05
30.167	0.00	0.04	0.046	0					1.05
30.250	0.00	0.04	0.046	0					1.04
30.333	0.00	0.04	0.046	0					1.04
30.417	0.00	0.04	0.045	0					1.04
30.500	0.00	0.04	0.045	0					1.03
30.583	0.00	0.04	0.045	0					1.03
30.667	0.00	0.04	0.045	0					1.02
30.750	0.00	0.04	0.044	0					1.02
30.833	0.00	0.04	0.044	0					1.02
30.917	0.00	0.04	0.044	0					1.01
31.000	0.00	0.04	0.044	0					1.01

31.083	0.00	0.04	0.044	0					1.01
31.167	0.00	0.04	0.043	0					1.00
31.250	0.00	0.04	0.043	0					1.00
31.333	0.00	0.03	0.043	0					1.00
31.417	0.00	0.03	0.043	0					0.99
31.500	0.00	0.03	0.042	0					0.99
31.583	0.00	0.03	0.042	0					0.98
31.667	0.00	0.03	0.042	0					0.97
31.750	0.00	0.03	0.042	0					0.97
31.833	0.00	0.03	0.041	0					0.96
31.917	0.00	0.03	0.041	0					0.96
32.000	0.00	0.03	0.041	0					0.95
32.083	0.00	0.03	0.041	0					0.95
32.167	0.00	0.03	0.040	0					0.94
32.250	0.00	0.03	0.040	0					0.94
32.333	0.00	0.03	0.040	0					0.93
32.417	0.00	0.03	0.040	0					0.93
32.500	0.00	0.03	0.040	0					0.92
32.583	0.00	0.03	0.039	0					0.92
32.667	0.00	0.03	0.039	0					0.91
32.750	0.00	0.03	0.039	0					0.91
32.833	0.00	0.03	0.039	0					0.90
32.917	0.00	0.03	0.038	0					0.90
33.000	0.00	0.03	0.038	0					0.89
33.083	0.00	0.03	0.038	0					0.89
33.167	0.00	0.03	0.038	0					0.89
33.250	0.00	0.03	0.038	0					0.88
33.333	0.00	0.03	0.037	0					0.88
33.417	0.00	0.03	0.037	0					0.87
33.500	0.00	0.03	0.037	0					0.87
33.583	0.00	0.03	0.037	0					0.86
33.667	0.00	0.03	0.036	0					0.86
33.750	0.00	0.03	0.036	0					0.85
33.833	0.00	0.03	0.036	0					0.85
33.917	0.00	0.03	0.036	0					0.84
34.000	0.00	0.03	0.036	0					0.84
34.083	0.00	0.03	0.035	0					0.83
34.167	0.00	0.03	0.035	0					0.83
34.250	0.00	0.03	0.035	0					0.83
34.333	0.00	0.03	0.035	0					0.82
34.417	0.00	0.03	0.035	0					0.82
34.500	0.00	0.03	0.034	0					0.81
34.583	0.00	0.03	0.034	0					0.81
34.667	0.00	0.03	0.034	0					0.80
34.750	0.00	0.03	0.034	0					0.80
34.833	0.00	0.03	0.034	0					0.79
34.917	0.00	0.03	0.033	0					0.79
35.000	0.00	0.03	0.033	0					0.79
35.083	0.00	0.03	0.033	0					0.78
35.167	0.00	0.03	0.033	0					0.78

35.250	0.00	0.03	0.033	0					0.77
35.333	0.00	0.03	0.032	0					0.77
35.417	0.00	0.03	0.032	0					0.76
35.500	0.00	0.03	0.032	0					0.76
35.583	0.00	0.03	0.032	0					0.76
35.667	0.00	0.03	0.032	0					0.75
35.750	0.00	0.03	0.031	0					0.75
35.833	0.00	0.03	0.031	0					0.74
35.917	0.00	0.03	0.031	0					0.74
36.000	0.00	0.03	0.031	0					0.74
36.083	0.00	0.03	0.031	0					0.73
36.167	0.00	0.03	0.031	0					0.73
36.250	0.00	0.03	0.030	0					0.72
36.333	0.00	0.03	0.030	0					0.72
36.417	0.00	0.03	0.030	0					0.71
36.500	0.00	0.03	0.030	0					0.71
36.583	0.00	0.03	0.030	0					0.71
36.667	0.00	0.03	0.029	0					0.70
36.750	0.00	0.03	0.029	0					0.70
36.833	0.00	0.03	0.029	0					0.70
36.917	0.00	0.03	0.029	0					0.69
37.000	0.00	0.03	0.029	0					0.69
37.083	0.00	0.03	0.029	0					0.68
37.167	0.00	0.03	0.028	0					0.68
37.250	0.00	0.03	0.028	0					0.68
37.333	0.00	0.03	0.028	0					0.67
37.417	0.00	0.03	0.028	0					0.67
37.500	0.00	0.02	0.028	0					0.66
37.583	0.00	0.02	0.028	0					0.66
37.667	0.00	0.02	0.027	0					0.66
37.750	0.00	0.02	0.027	0					0.65
37.833	0.00	0.02	0.027	0					0.65
37.917	0.00	0.02	0.027	0					0.65
38.000	0.00	0.02	0.027	0					0.64
38.083	0.00	0.02	0.027	0					0.64
38.167	0.00	0.02	0.026	0					0.63
38.250	0.00	0.02	0.026	0					0.63
38.333	0.00	0.02	0.026	0					0.63
38.417	0.00	0.02	0.026	0					0.62
38.500	0.00	0.02	0.026	0					0.62
38.583	0.00	0.02	0.026	0					0.62
38.667	0.00	0.02	0.025	0					0.61
38.750	0.00	0.02	0.025	0					0.61
38.833	0.00	0.02	0.025	0					0.61
38.917	0.00	0.02	0.025	0					0.60
39.000	0.00	0.02	0.025	0					0.60
39.083	0.00	0.02	0.025	0					0.60
39.167	0.00	0.02	0.024	0					0.59
39.250	0.00	0.02	0.024	0					0.59
39.333	0.00	0.02	0.024	0					0.59

39.417	0.00	0.02	0.024	0					0.58
39.500	0.00	0.02	0.024	0					0.58
39.583	0.00	0.02	0.024	0					0.58
39.667	0.00	0.02	0.023	0					0.57
39.750	0.00	0.02	0.023	0					0.57
39.833	0.00	0.02	0.023	0					0.57
39.917	0.00	0.02	0.023	0					0.56
40.000	0.00	0.02	0.023	0					0.56
40.083	0.00	0.02	0.023	0					0.56
40.167	0.00	0.02	0.023	0					0.55
40.250	0.00	0.02	0.022	0					0.55
40.333	0.00	0.02	0.022	0					0.55
40.417	0.00	0.02	0.022	0					0.54
40.500	0.00	0.02	0.022	0					0.54
40.583	0.00	0.02	0.022	0					0.54
40.667	0.00	0.02	0.022	0					0.53
40.750	0.00	0.02	0.022	0					0.53
40.833	0.00	0.02	0.021	0					0.53
40.917	0.00	0.02	0.021	0					0.52
41.000	0.00	0.02	0.021	0					0.52
41.083	0.00	0.02	0.021	0					0.52
41.167	0.00	0.02	0.021	0					0.51
41.250	0.00	0.02	0.021	0					0.51
41.333	0.00	0.02	0.021	0					0.51
41.417	0.00	0.02	0.020	0					0.50
41.500	0.00	0.02	0.020	0					0.50
41.583	0.00	0.02	0.020	0					0.50
41.667	0.00	0.02	0.020	0					0.50
41.750	0.00	0.02	0.020	0					0.49
41.833	0.00	0.02	0.020	0					0.49
41.917	0.00	0.02	0.020	0					0.49
42.000	0.00	0.02	0.019	0					0.48
42.083	0.00	0.02	0.019	0					0.48
42.167	0.00	0.02	0.019	0					0.48
42.250	0.00	0.02	0.019	0					0.48
42.333	0.00	0.02	0.019	0					0.47
42.417	0.00	0.02	0.019	0					0.47
42.500	0.00	0.02	0.019	0					0.47
42.583	0.00	0.02	0.019	0					0.46
42.667	0.00	0.02	0.018	0					0.46
42.750	0.00	0.02	0.018	0					0.46
42.833	0.00	0.02	0.018	0					0.45
42.917	0.00	0.02	0.018	0					0.45
43.000	0.00	0.02	0.018	0					0.45
43.083	0.00	0.02	0.018	0					0.45
43.167	0.00	0.02	0.018	0					0.44
43.250	0.00	0.02	0.018	0					0.44
43.333	0.00	0.02	0.017	0					0.44
43.417	0.00	0.02	0.017	0					0.44
43.500	0.00	0.02	0.017	0					0.43

43.583	0.00	0.02	0.017	0					0.43
43.667	0.00	0.02	0.017	0					0.43
43.750	0.00	0.02	0.017	0					0.42
43.833	0.00	0.02	0.017	0					0.42
43.917	0.00	0.02	0.017	0					0.42
44.000	0.00	0.02	0.016	0					0.42
44.083	0.00	0.02	0.016	0					0.41
44.167	0.00	0.02	0.016	0					0.41
44.250	0.00	0.02	0.016	0					0.41
44.333	0.00	0.02	0.016	0					0.41
44.417	0.00	0.02	0.016	0					0.40
44.500	0.00	0.02	0.016	0					0.40
44.583	0.00	0.02	0.016	0					0.40
44.667	0.00	0.02	0.015	0					0.40
44.750	0.00	0.02	0.015	0					0.39
44.833	0.00	0.02	0.015	0					0.39
44.917	0.00	0.02	0.015	0					0.39
45.000	0.00	0.02	0.015	0					0.39
45.083	0.00	0.02	0.015	0					0.38
45.167	0.00	0.02	0.015	0					0.38
45.250	0.00	0.02	0.015	0					0.38
45.333	0.00	0.02	0.015	0					0.38
45.417	0.00	0.02	0.014	0					0.37
45.500	0.00	0.02	0.014	0					0.37
45.583	0.00	0.02	0.014	0					0.37
45.667	0.00	0.02	0.014	0					0.37
45.750	0.00	0.02	0.014	0					0.36
45.833	0.00	0.02	0.014	0					0.36
45.917	0.00	0.02	0.014	0					0.36
46.000	0.00	0.02	0.014	0					0.36
46.083	0.00	0.02	0.014	0					0.35
46.167	0.00	0.02	0.013	0					0.35
46.250	0.00	0.02	0.013	0					0.35
46.333	0.00	0.02	0.013	0					0.35
46.417	0.00	0.02	0.013	0					0.34
46.500	0.00	0.02	0.013	0					0.34
46.583	0.00	0.02	0.013	0					0.34
46.667	0.00	0.02	0.013	0					0.34
46.750	0.00	0.02	0.013	0					0.34
46.833	0.00	0.02	0.013	0					0.33
46.917	0.00	0.01	0.013	0					0.33
47.000	0.00	0.01	0.012	0					0.33
47.083	0.00	0.01	0.012	0					0.33
47.167	0.00	0.01	0.012	0					0.32
47.250	0.00	0.01	0.012	0					0.32
47.333	0.00	0.01	0.012	0					0.32
47.417	0.00	0.01	0.012	0					0.32
47.500	0.00	0.01	0.012	0					0.32
47.583	0.00	0.01	0.012	0					0.31
47.667	0.00	0.01	0.012	0					0.31

47.750	0.00	0.01	0.012	0					0.31
47.833	0.00	0.01	0.011	0					0.31
47.917	0.00	0.01	0.011	0					0.30
48.000	0.00	0.01	0.011	0					0.30
48.083	0.00	0.01	0.011	0					0.30
48.167	0.00	0.01	0.011	0					0.30
48.250	0.00	0.01	0.011	0					0.30
48.333	0.00	0.01	0.011	0					0.29
48.417	0.00	0.01	0.011	0					0.29
48.500	0.00	0.01	0.011	0					0.29
48.583	0.00	0.01	0.011	0					0.29
48.667	0.00	0.01	0.010	0					0.29
48.750	0.00	0.01	0.010	0					0.28
48.833	0.00	0.01	0.010	0					0.28
48.917	0.00	0.01	0.010	0					0.28
49.000	0.00	0.01	0.010	0					0.28
49.083	0.00	0.01	0.010	0					0.28
49.167	0.00	0.01	0.010	0					0.27
49.250	0.00	0.01	0.010	0					0.27
49.333	0.00	0.01	0.010	0					0.27
49.417	0.00	0.01	0.010	0					0.27
49.500	0.00	0.01	0.010	0					0.27
49.583	0.00	0.01	0.009	0					0.26
49.667	0.00	0.01	0.009	0					0.26
49.750	0.00	0.01	0.009	0					0.26
49.833	0.00	0.01	0.009	0					0.26
49.917	0.00	0.01	0.009	0					0.26
50.000	0.00	0.01	0.009	0					0.25
50.083	0.00	0.01	0.009	0					0.25
50.167	0.00	0.01	0.009	0					0.25
50.250	0.00	0.01	0.009	0					0.25
50.333	0.00	0.01	0.009	0					0.25
50.417	0.00	0.01	0.009	0					0.24
50.500	0.00	0.01	0.009	0					0.24
50.583	0.00	0.01	0.008	0					0.24
50.667	0.00	0.01	0.008	0					0.24
50.750	0.00	0.01	0.008	0					0.24
50.833	0.00	0.01	0.008	0					0.24
50.917	0.00	0.01	0.008	0					0.23
51.000	0.00	0.01	0.008	0					0.23
51.083	0.00	0.01	0.008	0					0.23
51.167	0.00	0.01	0.008	0					0.23
51.250	0.00	0.01	0.008	0					0.23
51.333	0.00	0.01	0.008	0					0.22
51.417	0.00	0.01	0.008	0					0.22
51.500	0.00	0.01	0.008	0					0.22
51.583	0.00	0.01	0.007	0					0.22
51.667	0.00	0.01	0.007	0					0.22
51.750	0.00	0.01	0.007	0					0.22
51.833	0.00	0.01	0.007	0					0.21

51.917	0.00	0.01	0.007	0					0.21
52.000	0.00	0.01	0.007	0					0.21
52.083	0.00	0.01	0.007	0					0.21
52.167	0.00	0.01	0.007	0					0.21
52.250	0.00	0.01	0.007	0					0.21
52.333	0.00	0.01	0.007	0					0.20
52.417	0.00	0.01	0.007	0					0.20
52.500	0.00	0.01	0.007	0					0.20
52.583	0.00	0.01	0.007	0					0.20
52.667	0.00	0.01	0.006	0					0.20
52.750	0.00	0.01	0.006	0					0.20
52.833	0.00	0.01	0.006	0					0.19
52.917	0.00	0.01	0.006	0					0.19
53.000	0.00	0.01	0.006	0					0.19
53.083	0.00	0.01	0.006	0					0.19
53.167	0.00	0.01	0.006	0					0.19
53.250	0.00	0.01	0.006	0					0.19
53.333	0.00	0.01	0.006	0					0.18
53.417	0.00	0.01	0.006	0					0.18
53.500	0.00	0.01	0.006	0					0.18
53.583	0.00	0.01	0.006	0					0.18
53.667	0.00	0.01	0.006	0					0.18
53.750	0.00	0.01	0.005	0					0.18
53.833	0.00	0.01	0.005	0					0.17
53.917	0.00	0.01	0.005	0					0.17
54.000	0.00	0.01	0.005	0					0.17
54.083	0.00	0.01	0.005	0					0.17
54.167	0.00	0.01	0.005	0					0.17
54.250	0.00	0.01	0.005	0					0.17
54.333	0.00	0.01	0.005	0					0.17
54.417	0.00	0.01	0.005	0					0.16
54.500	0.00	0.01	0.005	0					0.16
54.583	0.00	0.01	0.005	0					0.16
54.667	0.00	0.01	0.005	0					0.16
54.750	0.00	0.01	0.005	0					0.16
54.833	0.00	0.01	0.005	0					0.16
54.917	0.00	0.01	0.005	0					0.16
55.000	0.00	0.01	0.004	0					0.15
55.083	0.00	0.01	0.004	0					0.15
55.167	0.00	0.01	0.004	0					0.15
55.250	0.00	0.01	0.004	0					0.15
55.333	0.00	0.01	0.004	0					0.15
55.417	0.00	0.01	0.004	0					0.15
55.500	0.00	0.01	0.004	0					0.15
55.583	0.00	0.01	0.004	0					0.14
55.667	0.00	0.01	0.004	0					0.14
55.750	0.00	0.01	0.004	0					0.14
55.833	0.00	0.01	0.004	0					0.14
55.917	0.00	0.01	0.004	0					0.14
56.000	0.00	0.01	0.004	0					0.14

56.083	0.00	0.01	0.004	0					0.14
56.167	0.00	0.01	0.004	0					0.13
56.250	0.00	0.01	0.003	0					0.13
56.333	0.00	0.01	0.003	0					0.13
56.417	0.00	0.01	0.003	0					0.13
56.500	0.00	0.01	0.003	0					0.13
56.583	0.00	0.01	0.003	0					0.13
56.667	0.00	0.01	0.003	0					0.13
56.750	0.00	0.01	0.003	0					0.12
56.833	0.00	0.01	0.003	0					0.12
56.917	0.00	0.01	0.003	0					0.12
57.000	0.00	0.01	0.003	0					0.12
57.083	0.00	0.01	0.003	0					0.12
57.167	0.00	0.01	0.003	0					0.12
57.250	0.00	0.01	0.003	0					0.12
57.333	0.00	0.01	0.003	0					0.12
57.417	0.00	0.01	0.003	0					0.11
57.500	0.00	0.01	0.003	0					0.11
57.583	0.00	0.01	0.003	0					0.11
57.667	0.00	0.01	0.002	0					0.11
57.750	0.00	0.01	0.002	0					0.11
57.833	0.00	0.01	0.002	0					0.11
57.917	0.00	0.01	0.002	0					0.11
58.000	0.00	0.01	0.002	0					0.11
58.083	0.00	0.01	0.002	0					0.10
58.167	0.00	0.01	0.002	0					0.10
58.250	0.00	0.01	0.002	0					0.10
58.333	0.00	0.01	0.002	0					0.10
58.417	0.00	0.01	0.002	0					0.10
58.500	0.00	0.01	0.002	0					0.10
58.583	0.00	0.01	0.002	0					0.09
58.667	0.00	0.01	0.002	0					0.09
58.750	0.00	0.01	0.002	0					0.09
58.833	0.00	0.01	0.002	0					0.09
58.917	0.00	0.01	0.002	0					0.08
59.000	0.00	0.01	0.002	0					0.08
59.083	0.00	0.01	0.002	0					0.08
59.167	0.00	0.01	0.002	0					0.08
59.250	0.00	0.01	0.002	0					0.08
59.333	0.00	0.01	0.001	0					0.07
59.417	0.00	0.01	0.001	0					0.07
59.500	0.00	0.01	0.001	0					0.07
59.583	0.00	0.01	0.001	0					0.07
59.667	0.00	0.01	0.001	0					0.07
59.750	0.00	0.01	0.001	0					0.06
59.833	0.00	0.00	0.001	0					0.06
59.917	0.00	0.00	0.001	0					0.06
60.000	0.00	0.00	0.001	0					0.06
60.083	0.00	0.00	0.001	0					0.06
60.167	0.00	0.00	0.001	0					0.06

60.250	0.00	0.00	0.001	0					0.05
60.333	0.00	0.00	0.001	0					0.05
60.417	0.00	0.00	0.001	0					0.05
60.500	0.00	0.00	0.001	0					0.05
60.583	0.00	0.00	0.001	0					0.05
60.667	0.00	0.00	0.001	0					0.05
60.750	0.00	0.00	0.001	0					0.05
60.833	0.00	0.00	0.001	0					0.04
60.917	0.00	0.00	0.001	0					0.04
61.000	0.00	0.00	0.001	0					0.04
61.083	0.00	0.00	0.001	0					0.04
61.167	0.00	0.00	0.001	0					0.04
61.250	0.00	0.00	0.001	0					0.04
61.333	0.00	0.00	0.001	0					0.04
61.417	0.00	0.00	0.001	0					0.04
61.500	0.00	0.00	0.001	0					0.04
61.583	0.00	0.00	0.001	0					0.03
61.667	0.00	0.00	0.001	0					0.03
61.750	0.00	0.00	0.001	0					0.03
61.833	0.00	0.00	0.001	0					0.03
61.917	0.00	0.00	0.001	0					0.03
62.000	0.00	0.00	0.001	0					0.03
62.083	0.00	0.00	0.001	0					0.03
62.167	0.00	0.00	0.001	0					0.03
62.250	0.00	0.00	0.001	0					0.03
62.333	0.00	0.00	0.001	0					0.03
62.417	0.00	0.00	0.001	0					0.03
62.500	0.00	0.00	0.001	0					0.03
62.583	0.00	0.00	0.000	0					0.02
62.667	0.00	0.00	0.000	0					0.02
62.750	0.00	0.00	0.000	0					0.02
62.833	0.00	0.00	0.000	0					0.02
62.917	0.00	0.00	0.000	0					0.02
63.000	0.00	0.00	0.000	0					0.02
63.083	0.00	0.00	0.000	0					0.02
63.167	0.00	0.00	0.000	0					0.02
63.250	0.00	0.00	0.000	0					0.02
63.333	0.00	0.00	0.000	0					0.02
63.417	0.00	0.00	0.000	0					0.02
63.500	0.00	0.00	0.000	0					0.02
63.583	0.00	0.00	0.000	0					0.02
63.667	0.00	0.00	0.000	0					0.02
63.750	0.00	0.00	0.000	0					0.02
63.833	0.00	0.00	0.000	0					0.02
63.917	0.00	0.00	0.000	0					0.02
64.000	0.00	0.00	0.000	0					0.02
64.083	0.00	0.00	0.000	0					0.02
64.167	0.00	0.00	0.000	0					0.01
64.250	0.00	0.00	0.000	0					0.01
64.333	0.00	0.00	0.000	0					0.01

64.417	0.00	0.00	0.000	0					0.01
64.500	0.00	0.00	0.000	0					0.01
64.583	0.00	0.00	0.000	0					0.01
64.667	0.00	0.00	0.000	0					0.01
64.750	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 777

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.055 (CFS)

Total volume = 0.156 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP3
2 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da312.rte
*****HYDROGRAPH DATA*****
Number of intervals = 13
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.581 (CFS)
Total volume = 0.094 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 13
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.004	0.001	0.001
0.100	0.002	0.008	0.002	0.002
1.000	0.043	0.035	0.043	0.043
2.000	0.113	0.050	0.113	0.113
3.000	0.196	0.061	0.196	0.196
4.000	0.282	0.071	0.282	0.282
4.500	0.325	0.075	0.325	0.325
4.750	0.346	0.102	0.346	0.346
5.000	0.365	0.129	0.365	0.365
5.250	0.384	0.152	0.383	0.385
5.500	0.402	0.933	0.399	0.405
6.000	0.436	1.726	0.430	0.442
7.000	0.477	2.890	0.467	0.487

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.9	1.79	2.69	3.58	Depth (Ft.)
0.083	0.36	0.00	0.001	O	I				0.06
0.167	0.55	0.01	0.004	O	I				0.15
0.250	0.61	0.01	0.008	O	I				0.24
0.333	0.64	0.01	0.012	O	I				0.33
0.417	0.71	0.02	0.017	O	I				0.43
0.500	0.80	0.02	0.022	O	I				0.54
0.583	0.91	0.02	0.028	O	I				0.67
0.667	1.05	0.03	0.034	O	I				0.81
0.750	1.46	0.03	0.043	O		I			1.00
0.833	3.58	0.04	0.060	O				I	1.24
0.917	2.09	0.04	0.079	O		I			1.52
1.000	0.72	0.04	0.089	O	I				1.65
1.083	0.21	0.05	0.091	O	I				1.69
1.167	0.00	0.05	0.092	O					1.70
1.250	0.00	0.05	0.092	O					1.69
1.333	0.00	0.05	0.091	O					1.69
1.417	0.00	0.05	0.091	O					1.68
1.500	0.00	0.05	0.091	O					1.68
1.583	0.00	0.05	0.090	O					1.68
1.667	0.00	0.05	0.090	O					1.67
1.750	0.00	0.04	0.090	O					1.67
1.833	0.00	0.04	0.089	O					1.66

1.917	0.00	0.04	0.089	0					1.66
2.000	0.00	0.04	0.089	0					1.65
2.083	0.00	0.04	0.088	0					1.65
2.167	0.00	0.04	0.088	0					1.64
2.250	0.00	0.04	0.088	0					1.64
2.333	0.00	0.04	0.087	0					1.64
2.417	0.00	0.04	0.087	0					1.63
2.500	0.00	0.04	0.087	0					1.63
2.583	0.00	0.04	0.087	0					1.62
2.667	0.00	0.04	0.086	0					1.62
2.750	0.00	0.04	0.086	0					1.61
2.833	0.00	0.04	0.086	0					1.61
2.917	0.00	0.04	0.085	0					1.60
3.000	0.00	0.04	0.085	0					1.60
3.083	0.00	0.04	0.085	0					1.60
3.167	0.00	0.04	0.084	0					1.59
3.250	0.00	0.04	0.084	0					1.59
3.333	0.00	0.04	0.084	0					1.58
3.417	0.00	0.04	0.084	0					1.58
3.500	0.00	0.04	0.083	0					1.57
3.583	0.00	0.04	0.083	0					1.57
3.667	0.00	0.04	0.083	0					1.57
3.750	0.00	0.04	0.082	0					1.56
3.833	0.00	0.04	0.082	0					1.56
3.917	0.00	0.04	0.082	0					1.55
4.000	0.00	0.04	0.081	0					1.55
4.083	0.00	0.04	0.081	0					1.54
4.167	0.00	0.04	0.081	0					1.54
4.250	0.00	0.04	0.081	0					1.54
4.333	0.00	0.04	0.080	0					1.53
4.417	0.00	0.04	0.080	0					1.53
4.500	0.00	0.04	0.080	0					1.52
4.583	0.00	0.04	0.079	0					1.52
4.667	0.00	0.04	0.079	0					1.52
4.750	0.00	0.04	0.079	0					1.51
4.833	0.00	0.04	0.078	0					1.51
4.917	0.00	0.04	0.078	0					1.50
5.000	0.00	0.04	0.078	0					1.50
5.083	0.00	0.04	0.078	0					1.49
5.167	0.00	0.04	0.077	0					1.49
5.250	0.00	0.04	0.077	0					1.49
5.333	0.00	0.04	0.077	0					1.48
5.417	0.00	0.04	0.076	0					1.48
5.500	0.00	0.04	0.076	0					1.47
5.583	0.00	0.04	0.076	0					1.47
5.667	0.00	0.04	0.076	0					1.47
5.750	0.00	0.04	0.075	0					1.46
5.833	0.00	0.04	0.075	0					1.46
5.917	0.00	0.04	0.075	0					1.45
6.000	0.00	0.04	0.074	0					1.45

6.083	0.00	0.04	0.074	0					1.44
6.167	0.00	0.04	0.074	0					1.44
6.250	0.00	0.04	0.074	0					1.44
6.333	0.00	0.04	0.073	0					1.43
6.417	0.00	0.04	0.073	0					1.43
6.500	0.00	0.04	0.073	0					1.42
6.583	0.00	0.04	0.072	0					1.42
6.667	0.00	0.04	0.072	0					1.42
6.750	0.00	0.04	0.072	0					1.41
6.833	0.00	0.04	0.072	0					1.41
6.917	0.00	0.04	0.071	0					1.40
7.000	0.00	0.04	0.071	0					1.40
7.083	0.00	0.04	0.071	0					1.40
7.167	0.00	0.04	0.070	0					1.39
7.250	0.00	0.04	0.070	0					1.39
7.333	0.00	0.04	0.070	0					1.38
7.417	0.00	0.04	0.070	0					1.38
7.500	0.00	0.04	0.069	0					1.38
7.583	0.00	0.04	0.069	0					1.37
7.667	0.00	0.04	0.069	0					1.37
7.750	0.00	0.04	0.068	0					1.36
7.833	0.00	0.04	0.068	0					1.36
7.917	0.00	0.04	0.068	0					1.36
8.000	0.00	0.04	0.068	0					1.35
8.083	0.00	0.04	0.067	0					1.35
8.167	0.00	0.04	0.067	0					1.34
8.250	0.00	0.04	0.067	0					1.34
8.333	0.00	0.04	0.067	0					1.34
8.417	0.00	0.04	0.066	0					1.33
8.500	0.00	0.04	0.066	0					1.33
8.583	0.00	0.04	0.066	0					1.32
8.667	0.00	0.04	0.065	0					1.32
8.750	0.00	0.04	0.065	0					1.32
8.833	0.00	0.04	0.065	0					1.31
8.917	0.00	0.04	0.065	0					1.31
9.000	0.00	0.04	0.064	0					1.30
9.083	0.00	0.04	0.064	0					1.30
9.167	0.00	0.04	0.064	0					1.30
9.250	0.00	0.04	0.064	0					1.29
9.333	0.00	0.04	0.063	0					1.29
9.417	0.00	0.04	0.063	0					1.29
9.500	0.00	0.04	0.063	0					1.28
9.583	0.00	0.04	0.062	0					1.28
9.667	0.00	0.04	0.062	0					1.27
9.750	0.00	0.04	0.062	0					1.27
9.833	0.00	0.04	0.062	0					1.27
9.917	0.00	0.04	0.061	0					1.26
10.000	0.00	0.04	0.061	0					1.26
10.083	0.00	0.04	0.061	0					1.25
10.167	0.00	0.04	0.061	0					1.25

10.250	0.00	0.04	0.060	0					1.25
10.333	0.00	0.04	0.060	0					1.24
10.417	0.00	0.04	0.060	0					1.24
10.500	0.00	0.04	0.059	0					1.24
10.583	0.00	0.04	0.059	0					1.23
10.667	0.00	0.04	0.059	0					1.23
10.750	0.00	0.04	0.059	0					1.22
10.833	0.00	0.04	0.058	0					1.22
10.917	0.00	0.04	0.058	0					1.22
11.000	0.00	0.04	0.058	0					1.21
11.083	0.00	0.04	0.058	0					1.21
11.167	0.00	0.04	0.057	0					1.21
11.250	0.00	0.04	0.057	0					1.20
11.333	0.00	0.04	0.057	0					1.20
11.417	0.00	0.04	0.057	0					1.19
11.500	0.00	0.04	0.056	0					1.19
11.583	0.00	0.04	0.056	0					1.19
11.667	0.00	0.04	0.056	0					1.18
11.750	0.00	0.04	0.056	0					1.18
11.833	0.00	0.04	0.055	0					1.18
11.917	0.00	0.04	0.055	0					1.17
12.000	0.00	0.04	0.055	0					1.17
12.083	0.00	0.04	0.055	0					1.16
12.167	0.00	0.04	0.054	0					1.16
12.250	0.00	0.04	0.054	0					1.16
12.333	0.00	0.04	0.054	0					1.15
12.417	0.00	0.04	0.053	0					1.15
12.500	0.00	0.04	0.053	0					1.15
12.583	0.00	0.04	0.053	0					1.14
12.667	0.00	0.04	0.053	0					1.14
12.750	0.00	0.04	0.052	0					1.14
12.833	0.00	0.04	0.052	0					1.13
12.917	0.00	0.04	0.052	0					1.13
13.000	0.00	0.04	0.052	0					1.12
13.083	0.00	0.04	0.051	0					1.12
13.167	0.00	0.04	0.051	0					1.12
13.250	0.00	0.04	0.051	0					1.11
13.333	0.00	0.04	0.051	0					1.11
13.417	0.00	0.04	0.050	0					1.11
13.500	0.00	0.04	0.050	0					1.10
13.583	0.00	0.04	0.050	0					1.10
13.667	0.00	0.04	0.050	0					1.10
13.750	0.00	0.04	0.049	0					1.09
13.833	0.00	0.04	0.049	0					1.09
13.917	0.00	0.04	0.049	0					1.08
14.000	0.00	0.04	0.049	0					1.08
14.083	0.00	0.04	0.048	0					1.08
14.167	0.00	0.04	0.048	0					1.07
14.250	0.00	0.04	0.048	0					1.07
14.333	0.00	0.04	0.048	0					1.07

14.417	0.00	0.04	0.047	0					1.06
14.500	0.00	0.04	0.047	0					1.06
14.583	0.00	0.04	0.047	0					1.06
14.667	0.00	0.04	0.047	0					1.05
14.750	0.00	0.04	0.046	0					1.05
14.833	0.00	0.04	0.046	0					1.05
14.917	0.00	0.04	0.046	0					1.04
15.000	0.00	0.04	0.046	0					1.04
15.083	0.00	0.04	0.045	0					1.04
15.167	0.00	0.04	0.045	0					1.03
15.250	0.00	0.04	0.045	0					1.03
15.333	0.00	0.04	0.045	0					1.02
15.417	0.00	0.04	0.045	0					1.02
15.500	0.00	0.04	0.044	0					1.02
15.583	0.00	0.04	0.044	0					1.01
15.667	0.00	0.04	0.044	0					1.01
15.750	0.00	0.04	0.044	0					1.01
15.833	0.00	0.04	0.043	0					1.00
15.917	0.00	0.04	0.043	0					1.00
16.000	0.00	0.03	0.043	0					1.00
16.083	0.00	0.03	0.043	0					0.99
16.167	0.00	0.03	0.042	0					0.99
16.250	0.00	0.03	0.042	0					0.98
16.333	0.00	0.03	0.042	0					0.97
16.417	0.00	0.03	0.042	0					0.97
16.500	0.00	0.03	0.041	0					0.96
16.583	0.00	0.03	0.041	0					0.96
16.667	0.00	0.03	0.041	0					0.95
16.750	0.00	0.03	0.041	0					0.95
16.833	0.00	0.03	0.040	0					0.94
16.917	0.00	0.03	0.040	0					0.94
17.000	0.00	0.03	0.040	0					0.93
17.083	0.00	0.03	0.040	0					0.93
17.167	0.00	0.03	0.040	0					0.92
17.250	0.00	0.03	0.039	0					0.92
17.333	0.00	0.03	0.039	0					0.91
17.417	0.00	0.03	0.039	0					0.91
17.500	0.00	0.03	0.039	0					0.90
17.583	0.00	0.03	0.038	0					0.90
17.667	0.00	0.03	0.038	0					0.89
17.750	0.00	0.03	0.038	0					0.89
17.833	0.00	0.03	0.038	0					0.89
17.917	0.00	0.03	0.038	0					0.88
18.000	0.00	0.03	0.037	0					0.88
18.083	0.00	0.03	0.037	0					0.87
18.167	0.00	0.03	0.037	0					0.87
18.250	0.00	0.03	0.037	0					0.86
18.333	0.00	0.03	0.036	0					0.86
18.417	0.00	0.03	0.036	0					0.85
18.500	0.00	0.03	0.036	0					0.85

18.583	0.00	0.03	0.036	0					0.84
18.667	0.00	0.03	0.036	0					0.84
18.750	0.00	0.03	0.035	0					0.83
18.833	0.00	0.03	0.035	0					0.83
18.917	0.00	0.03	0.035	0					0.83
19.000	0.00	0.03	0.035	0					0.82
19.083	0.00	0.03	0.035	0					0.82
19.167	0.00	0.03	0.034	0					0.81
19.250	0.00	0.03	0.034	0					0.81
19.333	0.00	0.03	0.034	0					0.80
19.417	0.00	0.03	0.034	0					0.80
19.500	0.00	0.03	0.034	0					0.79
19.583	0.00	0.03	0.033	0					0.79
19.667	0.00	0.03	0.033	0					0.79
19.750	0.00	0.03	0.033	0					0.78
19.833	0.00	0.03	0.033	0					0.78
19.917	0.00	0.03	0.033	0					0.77
20.000	0.00	0.03	0.032	0					0.77
20.083	0.00	0.03	0.032	0					0.76
20.167	0.00	0.03	0.032	0					0.76
20.250	0.00	0.03	0.032	0					0.76
20.333	0.00	0.03	0.032	0					0.75
20.417	0.00	0.03	0.031	0					0.75
20.500	0.00	0.03	0.031	0					0.74
20.583	0.00	0.03	0.031	0					0.74
20.667	0.00	0.03	0.031	0					0.74
20.750	0.00	0.03	0.031	0					0.73
20.833	0.00	0.03	0.031	0					0.73
20.917	0.00	0.03	0.030	0					0.72
21.000	0.00	0.03	0.030	0					0.72
21.083	0.00	0.03	0.030	0					0.71
21.167	0.00	0.03	0.030	0					0.71
21.250	0.00	0.03	0.030	0					0.71
21.333	0.00	0.03	0.029	0					0.70
21.417	0.00	0.03	0.029	0					0.70
21.500	0.00	0.03	0.029	0					0.70
21.583	0.00	0.03	0.029	0					0.69
21.667	0.00	0.03	0.029	0					0.69
21.750	0.00	0.03	0.029	0					0.68
21.833	0.00	0.03	0.028	0					0.68
21.917	0.00	0.03	0.028	0					0.68
22.000	0.00	0.03	0.028	0					0.67
22.083	0.00	0.03	0.028	0					0.67
22.167	0.00	0.02	0.028	0					0.66
22.250	0.00	0.02	0.028	0					0.66
22.333	0.00	0.02	0.027	0					0.66
22.417	0.00	0.02	0.027	0					0.65
22.500	0.00	0.02	0.027	0					0.65
22.583	0.00	0.02	0.027	0					0.65
22.667	0.00	0.02	0.027	0					0.64

22.750	0.00	0.02	0.027	0					0.64
22.833	0.00	0.02	0.026	0					0.63
22.917	0.00	0.02	0.026	0					0.63
23.000	0.00	0.02	0.026	0					0.63
23.083	0.00	0.02	0.026	0					0.62
23.167	0.00	0.02	0.026	0					0.62
23.250	0.00	0.02	0.026	0					0.62
23.333	0.00	0.02	0.025	0					0.61
23.417	0.00	0.02	0.025	0					0.61
23.500	0.00	0.02	0.025	0					0.61
23.583	0.00	0.02	0.025	0					0.60
23.667	0.00	0.02	0.025	0					0.60
23.750	0.00	0.02	0.025	0					0.60
23.833	0.00	0.02	0.024	0					0.59
23.917	0.00	0.02	0.024	0					0.59
24.000	0.00	0.02	0.024	0					0.59
24.083	0.00	0.02	0.024	0					0.58
24.167	0.00	0.02	0.024	0					0.58
24.250	0.00	0.02	0.024	0					0.58
24.333	0.00	0.02	0.023	0					0.57
24.417	0.00	0.02	0.023	0					0.57
24.500	0.00	0.02	0.023	0					0.57
24.583	0.00	0.02	0.023	0					0.56
24.667	0.00	0.02	0.023	0					0.56
24.750	0.00	0.02	0.023	0					0.56
24.833	0.00	0.02	0.023	0					0.55
24.917	0.00	0.02	0.022	0					0.55
25.000	0.00	0.02	0.022	0					0.55
25.083	0.00	0.02	0.022	0					0.54
25.167	0.00	0.02	0.022	0					0.54
25.250	0.00	0.02	0.022	0					0.54
25.333	0.00	0.02	0.022	0					0.53
25.417	0.00	0.02	0.022	0					0.53
25.500	0.00	0.02	0.021	0					0.53
25.583	0.00	0.02	0.021	0					0.52
25.667	0.00	0.02	0.021	0					0.52
25.750	0.00	0.02	0.021	0					0.52
25.833	0.00	0.02	0.021	0					0.51
25.917	0.00	0.02	0.021	0					0.51
26.000	0.00	0.02	0.021	0					0.51
26.083	0.00	0.02	0.020	0					0.50
26.167	0.00	0.02	0.020	0					0.50
26.250	0.00	0.02	0.020	0					0.50
26.333	0.00	0.02	0.020	0					0.50
26.417	0.00	0.02	0.020	0					0.49
26.500	0.00	0.02	0.020	0					0.49
26.583	0.00	0.02	0.020	0					0.49
26.667	0.00	0.02	0.019	0					0.48
26.750	0.00	0.02	0.019	0					0.48
26.833	0.00	0.02	0.019	0					0.48

26.917	0.00	0.02	0.019	0					0.48
27.000	0.00	0.02	0.019	0					0.47
27.083	0.00	0.02	0.019	0					0.47
27.167	0.00	0.02	0.019	0					0.47
27.250	0.00	0.02	0.019	0					0.46
27.333	0.00	0.02	0.018	0					0.46
27.417	0.00	0.02	0.018	0					0.46
27.500	0.00	0.02	0.018	0					0.45
27.583	0.00	0.02	0.018	0					0.45
27.667	0.00	0.02	0.018	0					0.45
27.750	0.00	0.02	0.018	0					0.45
27.833	0.00	0.02	0.018	0					0.44
27.917	0.00	0.02	0.018	0					0.44
28.000	0.00	0.02	0.017	0					0.44
28.083	0.00	0.02	0.017	0					0.44
28.167	0.00	0.02	0.017	0					0.43
28.250	0.00	0.02	0.017	0					0.43
28.333	0.00	0.02	0.017	0					0.43
28.417	0.00	0.02	0.017	0					0.42
28.500	0.00	0.02	0.017	0					0.42
28.583	0.00	0.02	0.017	0					0.42
28.667	0.00	0.02	0.016	0					0.42
28.750	0.00	0.02	0.016	0					0.41
28.833	0.00	0.02	0.016	0					0.41
28.917	0.00	0.02	0.016	0					0.41
29.000	0.00	0.02	0.016	0					0.41
29.083	0.00	0.02	0.016	0					0.40
29.167	0.00	0.02	0.016	0					0.40
29.250	0.00	0.02	0.016	0					0.40
29.333	0.00	0.02	0.015	0					0.40
29.417	0.00	0.02	0.015	0					0.39
29.500	0.00	0.02	0.015	0					0.39
29.583	0.00	0.02	0.015	0					0.39
29.667	0.00	0.02	0.015	0					0.39
29.750	0.00	0.02	0.015	0					0.38
29.833	0.00	0.02	0.015	0					0.38
29.917	0.00	0.02	0.015	0					0.38
30.000	0.00	0.02	0.015	0					0.38
30.083	0.00	0.02	0.014	0					0.37
30.167	0.00	0.02	0.014	0					0.37
30.250	0.00	0.02	0.014	0					0.37
30.333	0.00	0.02	0.014	0					0.37
30.417	0.00	0.02	0.014	0					0.36
30.500	0.00	0.02	0.014	0					0.36
30.583	0.00	0.02	0.014	0					0.36
30.667	0.00	0.02	0.014	0					0.36
30.750	0.00	0.02	0.014	0					0.35
30.833	0.00	0.02	0.013	0					0.35
30.917	0.00	0.02	0.013	0					0.35
31.000	0.00	0.02	0.013	0					0.35

31.083	0.00	0.02	0.013	0					0.34
31.167	0.00	0.02	0.013	0					0.34
31.250	0.00	0.02	0.013	0					0.34
31.333	0.00	0.02	0.013	0					0.34
31.417	0.00	0.02	0.013	0					0.34
31.500	0.00	0.02	0.013	0					0.33
31.583	0.00	0.01	0.013	0					0.33
31.667	0.00	0.01	0.012	0					0.33
31.750	0.00	0.01	0.012	0					0.33
31.833	0.00	0.01	0.012	0					0.32
31.917	0.00	0.01	0.012	0					0.32
32.000	0.00	0.01	0.012	0					0.32
32.083	0.00	0.01	0.012	0					0.32
32.167	0.00	0.01	0.012	0					0.32
32.250	0.00	0.01	0.012	0					0.31
32.333	0.00	0.01	0.012	0					0.31
32.417	0.00	0.01	0.012	0					0.31
32.500	0.00	0.01	0.011	0					0.31
32.583	0.00	0.01	0.011	0					0.30
32.667	0.00	0.01	0.011	0					0.30
32.750	0.00	0.01	0.011	0					0.30
32.833	0.00	0.01	0.011	0					0.30
32.917	0.00	0.01	0.011	0					0.30
33.000	0.00	0.01	0.011	0					0.29
33.083	0.00	0.01	0.011	0					0.29
33.167	0.00	0.01	0.011	0					0.29
33.250	0.00	0.01	0.011	0					0.29
33.333	0.00	0.01	0.010	0					0.29
33.417	0.00	0.01	0.010	0					0.28
33.500	0.00	0.01	0.010	0					0.28
33.583	0.00	0.01	0.010	0					0.28
33.667	0.00	0.01	0.010	0					0.28
33.750	0.00	0.01	0.010	0					0.28
33.833	0.00	0.01	0.010	0					0.27
33.917	0.00	0.01	0.010	0					0.27
34.000	0.00	0.01	0.010	0					0.27
34.083	0.00	0.01	0.010	0					0.27
34.167	0.00	0.01	0.010	0					0.27
34.250	0.00	0.01	0.009	0					0.26
34.333	0.00	0.01	0.009	0					0.26
34.417	0.00	0.01	0.009	0					0.26
34.500	0.00	0.01	0.009	0					0.26
34.583	0.00	0.01	0.009	0					0.26
34.667	0.00	0.01	0.009	0					0.25
34.750	0.00	0.01	0.009	0					0.25
34.833	0.00	0.01	0.009	0					0.25
34.917	0.00	0.01	0.009	0					0.25
35.000	0.00	0.01	0.009	0					0.25
35.083	0.00	0.01	0.009	0					0.24
35.167	0.00	0.01	0.009	0					0.24

35.250	0.00	0.01	0.008	0					0.24
35.333	0.00	0.01	0.008	0					0.24
35.417	0.00	0.01	0.008	0					0.24
35.500	0.00	0.01	0.008	0					0.24
35.583	0.00	0.01	0.008	0					0.23
35.667	0.00	0.01	0.008	0					0.23
35.750	0.00	0.01	0.008	0					0.23
35.833	0.00	0.01	0.008	0					0.23
35.917	0.00	0.01	0.008	0					0.23
36.000	0.00	0.01	0.008	0					0.22
36.083	0.00	0.01	0.008	0					0.22
36.167	0.00	0.01	0.008	0					0.22
36.250	0.00	0.01	0.007	0					0.22
36.333	0.00	0.01	0.007	0					0.22
36.417	0.00	0.01	0.007	0					0.22
36.500	0.00	0.01	0.007	0					0.21
36.583	0.00	0.01	0.007	0					0.21
36.667	0.00	0.01	0.007	0					0.21
36.750	0.00	0.01	0.007	0					0.21
36.833	0.00	0.01	0.007	0					0.21
36.917	0.00	0.01	0.007	0					0.21
37.000	0.00	0.01	0.007	0					0.20
37.083	0.00	0.01	0.007	0					0.20
37.167	0.00	0.01	0.007	0					0.20
37.250	0.00	0.01	0.007	0					0.20
37.333	0.00	0.01	0.006	0					0.20
37.417	0.00	0.01	0.006	0					0.20
37.500	0.00	0.01	0.006	0					0.19
37.583	0.00	0.01	0.006	0					0.19
37.667	0.00	0.01	0.006	0					0.19
37.750	0.00	0.01	0.006	0					0.19
37.833	0.00	0.01	0.006	0					0.19
37.917	0.00	0.01	0.006	0					0.19
38.000	0.00	0.01	0.006	0					0.18
38.083	0.00	0.01	0.006	0					0.18
38.167	0.00	0.01	0.006	0					0.18
38.250	0.00	0.01	0.006	0					0.18
38.333	0.00	0.01	0.006	0					0.18
38.417	0.00	0.01	0.005	0					0.18
38.500	0.00	0.01	0.005	0					0.17
38.583	0.00	0.01	0.005	0					0.17
38.667	0.00	0.01	0.005	0					0.17
38.750	0.00	0.01	0.005	0					0.17
38.833	0.00	0.01	0.005	0					0.17
38.917	0.00	0.01	0.005	0					0.17
39.000	0.00	0.01	0.005	0					0.17
39.083	0.00	0.01	0.005	0					0.16
39.167	0.00	0.01	0.005	0					0.16
39.250	0.00	0.01	0.005	0					0.16
39.333	0.00	0.01	0.005	0					0.16

39.417	0.00	0.01	0.005	0					0.16
39.500	0.00	0.01	0.005	0					0.16
39.583	0.00	0.01	0.005	0					0.16
39.667	0.00	0.01	0.004	0					0.15
39.750	0.00	0.01	0.004	0					0.15
39.833	0.00	0.01	0.004	0					0.15
39.917	0.00	0.01	0.004	0					0.15
40.000	0.00	0.01	0.004	0					0.15
40.083	0.00	0.01	0.004	0					0.15
40.167	0.00	0.01	0.004	0					0.15
40.250	0.00	0.01	0.004	0					0.14
40.333	0.00	0.01	0.004	0					0.14
40.417	0.00	0.01	0.004	0					0.14
40.500	0.00	0.01	0.004	0					0.14
40.583	0.00	0.01	0.004	0					0.14
40.667	0.00	0.01	0.004	0					0.14
40.750	0.00	0.01	0.004	0					0.14
40.833	0.00	0.01	0.004	0					0.13
40.917	0.00	0.01	0.003	0					0.13
41.000	0.00	0.01	0.003	0					0.13
41.083	0.00	0.01	0.003	0					0.13
41.167	0.00	0.01	0.003	0					0.13
41.250	0.00	0.01	0.003	0					0.13
41.333	0.00	0.01	0.003	0					0.13
41.417	0.00	0.01	0.003	0					0.12
41.500	0.00	0.01	0.003	0					0.12
41.583	0.00	0.01	0.003	0					0.12
41.667	0.00	0.01	0.003	0					0.12
41.750	0.00	0.01	0.003	0					0.12
41.833	0.00	0.01	0.003	0					0.12
41.917	0.00	0.01	0.003	0					0.12
42.000	0.00	0.01	0.003	0					0.12
42.083	0.00	0.01	0.003	0					0.11
42.167	0.00	0.01	0.003	0					0.11
42.250	0.00	0.01	0.003	0					0.11
42.333	0.00	0.01	0.002	0					0.11
42.417	0.00	0.01	0.002	0					0.11
42.500	0.00	0.01	0.002	0					0.11
42.583	0.00	0.01	0.002	0					0.11
42.667	0.00	0.01	0.002	0					0.11
42.750	0.00	0.01	0.002	0					0.10
42.833	0.00	0.01	0.002	0					0.10
42.917	0.00	0.01	0.002	0					0.10
43.000	0.00	0.01	0.002	0					0.10
43.083	0.00	0.01	0.002	0					0.10
43.167	0.00	0.01	0.002	0					0.10
43.250	0.00	0.01	0.002	0					0.09
43.333	0.00	0.01	0.002	0					0.09
43.417	0.00	0.01	0.002	0					0.09
43.500	0.00	0.01	0.002	0					0.09

43.583	0.00	0.01	0.002	0					0.08
43.667	0.00	0.01	0.002	0					0.08
43.750	0.00	0.01	0.002	0					0.08
43.833	0.00	0.01	0.002	0					0.08
43.917	0.00	0.01	0.002	0					0.08
44.000	0.00	0.01	0.001	0					0.07
44.083	0.00	0.01	0.001	0					0.07
44.167	0.00	0.01	0.001	0					0.07
44.250	0.00	0.01	0.001	0					0.07
44.333	0.00	0.01	0.001	0					0.07
44.417	0.00	0.01	0.001	0					0.06
44.500	0.00	0.00	0.001	0					0.06
44.583	0.00	0.00	0.001	0					0.06
44.667	0.00	0.00	0.001	0					0.06
44.750	0.00	0.00	0.001	0					0.06
44.833	0.00	0.00	0.001	0					0.06
44.917	0.00	0.00	0.001	0					0.05
45.000	0.00	0.00	0.001	0					0.05
45.083	0.00	0.00	0.001	0					0.05
45.167	0.00	0.00	0.001	0					0.05
45.250	0.00	0.00	0.001	0					0.05
45.333	0.00	0.00	0.001	0					0.05
45.417	0.00	0.00	0.001	0					0.05
45.500	0.00	0.00	0.001	0					0.04
45.583	0.00	0.00	0.001	0					0.04
45.667	0.00	0.00	0.001	0					0.04
45.750	0.00	0.00	0.001	0					0.04
45.833	0.00	0.00	0.001	0					0.04
45.917	0.00	0.00	0.001	0					0.04
46.000	0.00	0.00	0.001	0					0.04
46.083	0.00	0.00	0.001	0					0.04
46.167	0.00	0.00	0.001	0					0.04
46.250	0.00	0.00	0.001	0					0.03
46.333	0.00	0.00	0.001	0					0.03
46.417	0.00	0.00	0.001	0					0.03
46.500	0.00	0.00	0.001	0					0.03
46.583	0.00	0.00	0.001	0					0.03
46.667	0.00	0.00	0.001	0					0.03
46.750	0.00	0.00	0.001	0					0.03
46.833	0.00	0.00	0.001	0					0.03
46.917	0.00	0.00	0.001	0					0.03
47.000	0.00	0.00	0.001	0					0.03
47.083	0.00	0.00	0.001	0					0.03
47.167	0.00	0.00	0.001	0					0.03
47.250	0.00	0.00	0.000	0					0.02
47.333	0.00	0.00	0.000	0					0.02
47.417	0.00	0.00	0.000	0					0.02
47.500	0.00	0.00	0.000	0					0.02
47.583	0.00	0.00	0.000	0					0.02
47.667	0.00	0.00	0.000	0					0.02

47.750	0.00	0.00	0.000	0					0.02
47.833	0.00	0.00	0.000	0					0.02
47.917	0.00	0.00	0.000	0					0.02
48.000	0.00	0.00	0.000	0					0.02
48.083	0.00	0.00	0.000	0					0.02
48.167	0.00	0.00	0.000	0					0.02
48.250	0.00	0.00	0.000	0					0.02
48.333	0.00	0.00	0.000	0					0.02
48.417	0.00	0.00	0.000	0					0.02
48.500	0.00	0.00	0.000	0					0.02
48.583	0.00	0.00	0.000	0					0.02
48.667	0.00	0.00	0.000	0					0.02
48.750	0.00	0.00	0.000	0					0.02
48.833	0.00	0.00	0.000	0					0.01
48.917	0.00	0.00	0.000	0					0.01
49.000	0.00	0.00	0.000	0					0.01
49.083	0.00	0.00	0.000	0					0.01
49.167	0.00	0.00	0.000	0					0.01
49.250	0.00	0.00	0.000	0					0.01
49.333	0.00	0.00	0.000	0					0.01
49.417	0.00	0.00	0.000	0					0.01

*****HYDROGRAPH DATA*****

Number of intervals = 593

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.045 (CFS)

Total volume = 0.094 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
100 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da424100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.461 (CFS)
Total volume = 0.800 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.73	1.10	1.46	Depth (Ft.)
0.083	0.04	0.00	0.000	O					0.01
0.167	0.07	0.00	0.001	O I					0.03
0.250	0.07	0.00	0.001	O I					0.05
0.333	0.09	0.00	0.001	O I					0.07
0.417	0.10	0.01	0.002	O I					0.10
0.500	0.10	0.01	0.003	O I					0.12
0.583	0.10	0.01	0.003	O I					0.14
0.667	0.10	0.01	0.004	O I					0.16
0.750	0.10	0.01	0.005	O I					0.18
0.833	0.12	0.01	0.005	O I					0.20
0.917	0.14	0.01	0.006	O I					0.22
1.000	0.14	0.01	0.007	O I					0.24
1.083	0.12	0.01	0.008	O I					0.26
1.167	0.10	0.01	0.009	O I					0.28
1.250	0.10	0.01	0.009	O I					0.30
1.333	0.10	0.01	0.010	O I					0.32
1.417	0.10	0.01	0.011	O I					0.33
1.500	0.10	0.01	0.011	O I					0.35
1.583	0.10	0.01	0.012	O I					0.37
1.667	0.10	0.01	0.012	O I					0.39
1.750	0.10	0.01	0.013	O I					0.40
1.833	0.12	0.01	0.014	O I					0.42

1.917	0.14	0.01	0.015	0	I					0.44
2.000	0.14	0.01	0.015	0	I					0.47
2.083	0.14	0.02	0.016	0	I					0.49
2.167	0.14	0.02	0.017	0	I					0.51
2.250	0.14	0.02	0.018	0	I					0.53
2.333	0.14	0.02	0.019	0	I					0.56
2.417	0.14	0.02	0.020	0	I					0.58
2.500	0.14	0.02	0.020	0	I					0.60
2.583	0.16	0.02	0.021	0	I					0.63
2.667	0.17	0.02	0.022	0	I					0.65
2.750	0.17	0.02	0.023	0	I					0.68
2.833	0.17	0.02	0.024	0	I					0.71
2.917	0.17	0.02	0.025	0	I					0.74
3.000	0.17	0.02	0.026	0	I					0.77
3.083	0.17	0.02	0.027	0	I					0.79
3.167	0.17	0.02	0.028	0	I					0.82
3.250	0.17	0.02	0.029	0	I					0.85
3.333	0.17	0.03	0.031	0	I					0.88
3.417	0.17	0.03	0.032	0	I					0.91
3.500	0.17	0.03	0.033	0	I					0.93
3.583	0.17	0.03	0.034	0	I					0.96
3.667	0.17	0.03	0.035	0	I					0.99
3.750	0.17	0.03	0.035	0	I					1.01
3.833	0.19	0.03	0.037	0	I					1.03
3.917	0.20	0.03	0.038	0	I					1.05
4.000	0.21	0.03	0.039	0	I					1.07
4.083	0.21	0.03	0.040	0	I					1.09
4.167	0.21	0.03	0.041	0	I					1.11
4.250	0.21	0.03	0.043	0	I					1.13
4.333	0.23	0.03	0.044	0	I					1.16
4.417	0.24	0.03	0.045	0	I					1.18
4.500	0.24	0.03	0.047	0	I					1.21
4.583	0.24	0.03	0.048	0	I					1.23
4.667	0.24	0.03	0.050	0	I					1.26
4.750	0.24	0.03	0.051	0	I					1.28
4.833	0.26	0.03	0.053	0	I					1.31
4.917	0.27	0.03	0.054	0	I					1.34
5.000	0.27	0.03	0.056	0	I					1.37
5.083	0.23	0.03	0.057	0	I					1.39
5.167	0.21	0.03	0.059	0	I					1.42
5.250	0.21	0.03	0.060	0	I					1.44
5.333	0.23	0.03	0.061	0	I					1.46
5.417	0.24	0.03	0.063	0	I					1.48
5.500	0.24	0.03	0.064	0	I					1.51
5.583	0.26	0.03	0.065	0	I					1.53
5.667	0.27	0.03	0.067	0	I					1.56
5.750	0.27	0.03	0.069	0	I					1.59
5.833	0.27	0.03	0.070	0	I					1.62
5.917	0.27	0.04	0.072	0	I					1.65
6.000	0.27	0.04	0.074	0	I					1.68

6.083	0.30	0.04	0.075	0	I					1.71
6.167	0.31	0.04	0.077	0	I					1.74
6.250	0.31	0.04	0.079	0	I					1.77
6.333	0.31	0.04	0.081	0	I					1.81
6.417	0.31	0.04	0.083	0	I					1.84
6.500	0.31	0.04	0.085	0	I					1.87
6.583	0.33	0.04	0.087	0	I					1.91
6.667	0.34	0.04	0.089	0	I					1.94
6.750	0.34	0.04	0.091	0	I					1.98
6.833	0.34	0.04	0.093	0	I					2.01
6.917	0.34	0.04	0.095	0	I					2.04
7.000	0.34	0.04	0.097	0	I					2.07
7.083	0.34	0.04	0.099	0	I					2.10
7.167	0.34	0.04	0.101	0	I					2.14
7.250	0.34	0.04	0.103	0	I					2.17
7.333	0.36	0.04	0.105	0	I					2.20
7.417	0.38	0.04	0.108	0	I					2.23
7.500	0.38	0.04	0.110	0	I					2.27
7.583	0.40	0.04	0.112	0	I					2.30
7.667	0.41	0.04	0.115	0	I					2.34
7.750	0.41	0.04	0.117	0	I					2.37
7.833	0.43	0.04	0.120	0	I					2.41
7.917	0.44	0.04	0.123	0	I					2.45
8.000	0.45	0.04	0.126	0	I					2.49
8.083	0.50	0.04	0.129	0		I				2.54
8.167	0.54	0.04	0.132	0		I				2.59
8.250	0.54	0.04	0.135	0		I				2.64
8.333	0.54	0.05	0.139	0		I				2.69
8.417	0.54	0.05	0.142	0		I				2.74
8.500	0.54	0.05	0.145	0		I				2.79
8.583	0.57	0.05	0.149	0		I				2.84
8.667	0.59	0.05	0.153	0		I				2.89
8.750	0.59	0.05	0.156	0		I				2.95
8.833	0.62	0.05	0.160	0		I				3.00
8.917	0.64	0.05	0.164	0		I				3.06
9.000	0.64	0.05	0.168	0		I				3.12
9.083	0.70	0.05	0.173	0			I			3.18
9.167	0.73	0.05	0.177	0			I			3.24
9.250	0.73	0.05	0.182	0			I			3.31
9.333	0.76	0.05	0.187	0			I			3.38
9.417	0.78	0.05	0.192	0			I			3.45
9.500	0.78	0.05	0.197	0			I			3.52
9.583	0.81	0.05	0.202	0			I			3.60
9.667	0.83	0.05	0.207	0			I			3.67
9.750	0.83	0.05	0.212	0			I			3.75
9.833	0.86	0.05	0.218	0			I			3.83
9.917	0.88	0.06	0.223	0			I			3.91
10.000	0.88	0.06	0.229	0			I			3.99
10.083	0.67	0.06	0.234	0		I				4.06
10.167	0.57	0.06	0.238	0		I				4.11

10.250	0.56	0.06	0.241	0		I				4.16										
10.333	0.56	0.06	0.245	0		I				4.21										
10.417	0.56	0.06	0.248	0		I				4.26										
10.500	0.56	0.06	0.252	0		I				4.31										
10.583	0.71	0.06	0.256	0			I			4.37										
10.667	0.78	0.06	0.260	0				I		4.43										
10.750	0.79	0.06	0.265	0				I		4.50										
10.833	0.79	0.06	0.270	0				I		4.58										
10.917	0.79	0.06	0.275	0				I		4.65										
11.000	0.79	0.06	0.280	0				I		4.73										
11.083	0.76	0.06	0.285	0				I		4.81										
11.167	0.75	0.06	0.290	0				I		4.89										
11.250	0.75	0.06	0.295	0				I		4.97										
11.333	0.75	0.08	0.300	0				I		5.04										
11.417	0.75	0.12	0.304	0				I		5.11										
11.500	0.75	0.15	0.308	0				I		5.18										
11.583	0.69	0.18	0.312	0				I		5.25										
11.667	0.66	0.21	0.315	0				I		5.30										
11.750	0.66	0.23	0.318	0				I		5.35										
11.833	0.69	0.26	0.321	0				I		5.40										
11.917	0.71	0.28	0.324	0				I		5.45										
12.000	0.71	0.30	0.327	0				I		5.49										
12.083	0.92	0.33	0.331	0					I	5.55										
12.167	1.02	0.36	0.335	0					I	5.62										
12.250	1.04	0.43	0.339		0				I	5.70										
12.333	1.07	0.53	0.343			0			I	5.77										
12.417	1.08	0.61	0.347				0		I	5.84										
12.500	1.08	0.68	0.350					0	I	5.90										
12.583	1.14	0.81	0.352					0	I	5.95										
12.667	1.17	0.91	0.354					0	I	5.99										
12.750	1.18	0.99	0.356					0	I	6.02										
12.833	1.21	1.05	0.357						0	I	6.05									
12.917	1.22	1.10	0.358						0	I	6.07									
13.000	1.23	1.14	0.359						0	I	6.08									
13.083	1.38	1.19	0.360							0	I	6.10								
13.167	1.45	1.26	0.361							0	I	6.13								
13.250	1.46	1.32	0.362							0	I	6.15								
13.333	1.46	1.36	0.363								0	I	6.18							
13.417	1.46	1.39	0.364									0	I	6.20						
13.500	1.46	1.41	0.364										0	I	6.21					
13.583	1.14	1.38	0.363											0	I	6.19				
13.667	0.97	1.28	0.361												I	0	6.14			
13.750	0.95	1.18	0.360												I	0	6.10			
13.833	0.95	1.11	0.358												I	0	6.07			
13.917	0.95	1.07	0.357												I	0	6.05			
14.000	0.95	1.03	0.357												I	0	6.04			
14.083	1.07	1.03	0.357													0	I	6.04		
14.167	1.14	1.05	0.357														0	I	6.05	
14.250	1.14	1.08	0.358														0	I	6.06	
14.333	1.11	1.09	0.358															0	I	6.06

14.417	1.10	1.10	0.358				0	6.06
14.500	1.10	1.10	0.358				0	6.06
14.583	1.10	1.10	0.358				0	6.06
14.667	1.10	1.10	0.358				0	6.06
14.750	1.10	1.10	0.358				0	6.06
14.833	1.07	1.09	0.358				0	6.06
14.917	1.06	1.08	0.358				0	6.06
15.000	1.05	1.08	0.357				0	6.06
15.083	1.03	1.06	0.357				IO	6.05
15.167	1.01	1.05	0.357				IO	6.05
15.250	1.01	1.04	0.357				0	6.04
15.333	0.98	1.03	0.357				IO	6.04
15.417	0.97	1.01	0.356				IO	6.03
15.500	0.96	1.00	0.356				0	6.02
15.583	0.85	0.97	0.355			I	0	6.01
15.667	0.79	0.92	0.355			I	0	5.99
15.750	0.78	0.88	0.354			I	0	5.98
15.833	0.78	0.85	0.353			IO		5.97
15.917	0.78	0.83	0.353			IO		5.96
16.000	0.78	0.82	0.352			0		5.95
16.083	0.37	0.74	0.351		I	0		5.92
16.167	0.16	0.64	0.348	I		0		5.86
16.250	0.14	0.57	0.345	I		0		5.80
16.333	0.14	0.50	0.342	I	0			5.75
16.417	0.14	0.45	0.340	I	0			5.71
16.500	0.14	0.40	0.338	I	0			5.67
16.583	0.12	0.37	0.336	I	0			5.64
16.667	0.10	0.36	0.334	I	0			5.61
16.750	0.10	0.34	0.333	I	0			5.58
16.833	0.10	0.33	0.331	I	0			5.55
16.917	0.10	0.32	0.330	I	0			5.53
17.000	0.10	0.31	0.328	I	0			5.51
17.083	0.15	0.30	0.327	I	0			5.49
17.167	0.17	0.29	0.326	I	0			5.47
17.250	0.17	0.28	0.325	I	0			5.46
17.333	0.17	0.28	0.324	I	0			5.45
17.417	0.17	0.27	0.324	I	0			5.43
17.500	0.17	0.27	0.323	I	0			5.42
17.583	0.17	0.26	0.322	I	0			5.41
17.667	0.17	0.26	0.322	I	0			5.40
17.750	0.17	0.25	0.321	I	0			5.39
17.833	0.15	0.25	0.321	I	0			5.38
17.917	0.14	0.24	0.320	I	0			5.37
18.000	0.14	0.24	0.319	I	0			5.36
18.083	0.14	0.23	0.318	I	0			5.35
18.167	0.14	0.23	0.318	IO				5.34
18.250	0.14	0.22	0.317	IO				5.33
18.333	0.14	0.22	0.317	IO				5.32
18.417	0.14	0.21	0.316	IO				5.31
18.500	0.14	0.21	0.316	IO				5.30

18.583	0.12	0.20	0.315	I O					5.29
18.667	0.10	0.20	0.314	I O					5.28
18.750	0.10	0.19	0.314	I O					5.27
18.833	0.08	0.19	0.313	I O					5.26
18.917	0.07	0.18	0.312	I O					5.25
19.000	0.07	0.18	0.312	I O					5.24
19.083	0.09	0.17	0.311	I O					5.23
19.167	0.10	0.17	0.310	IO					5.22
19.250	0.10	0.16	0.310	IO					5.21
19.333	0.12	0.16	0.310	IO					5.21
19.417	0.14	0.16	0.309	IO					5.20
19.500	0.14	0.16	0.309	O					5.20
19.583	0.12	0.16	0.309	IO					5.20
19.667	0.10	0.15	0.309	IO					5.19
19.750	0.10	0.15	0.308	IO					5.18
19.833	0.08	0.15	0.308	I O					5.18
19.917	0.07	0.15	0.307	I O					5.17
20.000	0.07	0.14	0.307	I O					5.16
20.083	0.09	0.14	0.307	I O					5.16
20.167	0.10	0.14	0.306	O					5.15
20.250	0.10	0.13	0.306	O					5.15
20.333	0.10	0.13	0.306	O					5.14
20.417	0.10	0.13	0.306	O					5.14
20.500	0.10	0.13	0.305	O					5.14
20.583	0.10	0.13	0.305	O					5.13
20.667	0.10	0.13	0.305	O					5.13
20.750	0.10	0.13	0.305	O					5.13
20.833	0.08	0.12	0.305	IO					5.13
20.917	0.07	0.12	0.304	IO					5.12
21.000	0.07	0.12	0.304	IO					5.11
21.083	0.09	0.12	0.304	IO					5.11
21.167	0.10	0.12	0.304	O					5.11
21.250	0.10	0.11	0.304	O					5.11
21.333	0.08	0.11	0.303	IO					5.10
21.417	0.07	0.11	0.303	IO					5.10
21.500	0.07	0.11	0.303	IO					5.10
21.583	0.09	0.11	0.303	IO					5.09
21.667	0.10	0.11	0.303	O					5.09
21.750	0.10	0.11	0.303	O					5.09
21.833	0.08	0.11	0.302	IO					5.09
21.917	0.07	0.10	0.302	IO					5.09
22.000	0.07	0.10	0.302	IO					5.08
22.083	0.09	0.10	0.302	IO					5.08
22.167	0.10	0.10	0.302	O					5.08
22.250	0.10	0.10	0.302	O					5.08
22.333	0.08	0.10	0.302	IO					5.08
22.417	0.07	0.10	0.302	IO					5.08
22.500	0.07	0.10	0.301	IO					5.07
22.583	0.07	0.10	0.301	IO					5.07
22.667	0.07	0.09	0.301	IO					5.07

22.750	0.07	0.09	0.301	IO					5.06
22.833	0.07	0.09	0.301	IO					5.06
22.917	0.07	0.09	0.301	O					5.06
23.000	0.07	0.09	0.300	O					5.06
23.083	0.07	0.09	0.300	O					5.05
23.167	0.07	0.09	0.300	O					5.05
23.250	0.07	0.09	0.300	O					5.05
23.333	0.07	0.09	0.300	O					5.05
23.417	0.07	0.08	0.300	O					5.04
23.500	0.07	0.08	0.300	O					5.04
23.583	0.07	0.08	0.300	O					5.04
23.667	0.07	0.08	0.299	O					5.04
23.750	0.07	0.08	0.299	O					5.04
23.833	0.07	0.08	0.299	O					5.04
23.917	0.07	0.08	0.299	O					5.04
24.000	0.07	0.08	0.299	O					5.03
24.083	0.02	0.08	0.299	IO					5.03
24.167	0.00	0.07	0.298	IO					5.02
24.250	0.00	0.07	0.298	IO					5.02
24.333	0.00	0.07	0.297	IO					5.01
24.417	0.00	0.06	0.297	IO					5.00
24.500	0.00	0.06	0.297	IO					4.99
24.583	0.00	0.06	0.296	IO					4.99
24.667	0.00	0.06	0.296	IO					4.98
24.750	0.00	0.06	0.295	IO					4.97
24.833	0.00	0.06	0.295	IO					4.96
24.917	0.00	0.06	0.294	IO					4.96
25.000	0.00	0.06	0.294	IO					4.95
25.083	0.00	0.06	0.294	IO					4.94
25.167	0.00	0.06	0.293	IO					4.94
25.250	0.00	0.06	0.293	IO					4.93
25.333	0.00	0.06	0.292	IO					4.92
25.417	0.00	0.06	0.292	IO					4.91
25.500	0.00	0.06	0.291	IO					4.91
25.583	0.00	0.06	0.291	IO					4.90
25.667	0.00	0.06	0.291	IO					4.89
25.750	0.00	0.06	0.290	IO					4.89
25.833	0.00	0.06	0.290	IO					4.88
25.917	0.00	0.06	0.289	IO					4.87
26.000	0.00	0.06	0.289	IO					4.86
26.083	0.00	0.06	0.288	IO					4.86
26.167	0.00	0.06	0.288	IO					4.85
26.250	0.00	0.06	0.288	IO					4.84
26.333	0.00	0.06	0.287	IO					4.84
26.417	0.00	0.06	0.287	IO					4.83
26.500	0.00	0.06	0.286	IO					4.82
26.583	0.00	0.06	0.286	IO					4.81
26.667	0.00	0.06	0.285	IO					4.81
26.750	0.00	0.06	0.285	IO					4.80
26.833	0.00	0.06	0.285	IO					4.79

26.917	0.00	0.06	0.284	IO					4.79
27.000	0.00	0.06	0.284	IO					4.78
27.083	0.00	0.06	0.283	IO					4.77
27.167	0.00	0.06	0.283	IO					4.77
27.250	0.00	0.06	0.283	IO					4.76
27.333	0.00	0.06	0.282	IO					4.75
27.417	0.00	0.06	0.282	IO					4.75
27.500	0.00	0.06	0.281	IO					4.74
27.583	0.00	0.06	0.281	IO					4.73
27.667	0.00	0.06	0.280	IO					4.73
27.750	0.00	0.06	0.280	IO					4.72
27.833	0.00	0.06	0.280	IO					4.71
27.917	0.00	0.06	0.279	IO					4.71
28.000	0.00	0.06	0.279	IO					4.70
28.083	0.00	0.06	0.278	IO					4.70
28.167	0.00	0.06	0.278	IO					4.69
28.250	0.00	0.06	0.277	IO					4.68
28.333	0.00	0.06	0.277	IO					4.68
28.417	0.00	0.06	0.277	IO					4.67
28.500	0.00	0.06	0.276	IO					4.67
28.583	0.00	0.06	0.276	IO					4.66
28.667	0.00	0.06	0.275	IO					4.65
28.750	0.00	0.06	0.275	IO					4.65
28.833	0.00	0.06	0.275	IO					4.64
28.917	0.00	0.06	0.274	IO					4.63
29.000	0.00	0.06	0.274	IO					4.63
29.083	0.00	0.06	0.273	IO					4.62
29.167	0.00	0.06	0.273	IO					4.62
29.250	0.00	0.06	0.272	IO					4.61
29.333	0.00	0.06	0.272	IO					4.60
29.417	0.00	0.06	0.272	IO					4.60
29.500	0.00	0.06	0.271	IO					4.59
29.583	0.00	0.06	0.271	IO					4.59
29.667	0.00	0.06	0.270	IO					4.58
29.750	0.00	0.06	0.270	IO					4.57
29.833	0.00	0.06	0.270	IO					4.57
29.917	0.00	0.06	0.269	IO					4.56
30.000	0.00	0.06	0.269	IO					4.56
30.083	0.00	0.06	0.268	IO					4.55
30.167	0.00	0.06	0.268	IO					4.54
30.250	0.00	0.06	0.267	IO					4.54
30.333	0.00	0.06	0.267	IO					4.53
30.417	0.00	0.06	0.267	IO					4.52
30.500	0.00	0.06	0.266	IO					4.52
30.583	0.00	0.06	0.266	IO					4.51
30.667	0.00	0.06	0.265	IO					4.51
30.750	0.00	0.06	0.265	IO					4.50
30.833	0.00	0.06	0.265	IO					4.49
30.917	0.00	0.06	0.264	IO					4.49
31.000	0.00	0.06	0.264	IO					4.48

31.083	0.00	0.06	0.263	IO					4.48
31.167	0.00	0.06	0.263	IO					4.47
31.250	0.00	0.06	0.263	IO					4.46
31.333	0.00	0.06	0.262	IO					4.46
31.417	0.00	0.06	0.262	IO					4.45
31.500	0.00	0.06	0.261	IO					4.45
31.583	0.00	0.06	0.261	IO					4.44
31.667	0.00	0.06	0.260	IO					4.44
31.750	0.00	0.06	0.260	IO					4.43
31.833	0.00	0.06	0.260	IO					4.42
31.917	0.00	0.06	0.259	IO					4.42
32.000	0.00	0.06	0.259	IO					4.41
32.083	0.00	0.06	0.258	IO					4.41
32.167	0.00	0.06	0.258	IO					4.40
32.250	0.00	0.06	0.258	IO					4.39
32.333	0.00	0.06	0.257	IO					4.39
32.417	0.00	0.06	0.257	IO					4.38
32.500	0.00	0.06	0.256	IO					4.38
32.583	0.00	0.06	0.256	IO					4.37
32.667	0.00	0.06	0.256	IO					4.37
32.750	0.00	0.06	0.255	IO					4.36
32.833	0.00	0.06	0.255	IO					4.35
32.917	0.00	0.06	0.254	IO					4.35
33.000	0.00	0.06	0.254	IO					4.34
33.083	0.00	0.06	0.254	IO					4.34
33.167	0.00	0.06	0.253	IO					4.33
33.250	0.00	0.06	0.253	IO					4.33
33.333	0.00	0.06	0.252	IO					4.32
33.417	0.00	0.06	0.252	IO					4.31
33.500	0.00	0.06	0.252	IO					4.31
33.583	0.00	0.06	0.251	IO					4.30
33.667	0.00	0.06	0.251	IO					4.30
33.750	0.00	0.06	0.250	IO					4.29
33.833	0.00	0.06	0.250	IO					4.28
33.917	0.00	0.06	0.250	IO					4.28
34.000	0.00	0.06	0.249	IO					4.27
34.083	0.00	0.06	0.249	IO					4.27
34.167	0.00	0.06	0.248	IO					4.26
34.250	0.00	0.06	0.248	IO					4.26
34.333	0.00	0.06	0.248	IO					4.25
34.417	0.00	0.06	0.247	IO					4.24
34.500	0.00	0.06	0.247	IO					4.24
34.583	0.00	0.06	0.246	IO					4.23
34.667	0.00	0.06	0.246	IO					4.23
34.750	0.00	0.06	0.246	IO					4.22
34.833	0.00	0.06	0.245	IO					4.22
34.917	0.00	0.06	0.245	IO					4.21
35.000	0.00	0.06	0.244	IO					4.21
35.083	0.00	0.06	0.244	IO					4.20
35.167	0.00	0.06	0.244	IO					4.19

35.250	0.00	0.06	0.243	IO					4.19
35.333	0.00	0.06	0.243	IO					4.18
35.417	0.00	0.06	0.242	IO					4.18
35.500	0.00	0.06	0.242	IO					4.17
35.583	0.00	0.06	0.242	IO					4.17
35.667	0.00	0.06	0.241	IO					4.16
35.750	0.00	0.06	0.241	IO					4.15
35.833	0.00	0.06	0.240	IO					4.15
35.917	0.00	0.06	0.240	IO					4.14
36.000	0.00	0.06	0.240	IO					4.14
36.083	0.00	0.06	0.239	IO					4.13
36.167	0.00	0.06	0.239	IO					4.13
36.250	0.00	0.06	0.238	IO					4.12
36.333	0.00	0.06	0.238	IO					4.11
36.417	0.00	0.06	0.238	IO					4.11
36.500	0.00	0.06	0.237	IO					4.10
36.583	0.00	0.06	0.237	IO					4.10
36.667	0.00	0.06	0.236	IO					4.09
36.750	0.00	0.06	0.236	IO					4.09
36.833	0.00	0.06	0.236	IO					4.08
36.917	0.00	0.06	0.235	IO					4.08
37.000	0.00	0.06	0.235	IO					4.07
37.083	0.00	0.06	0.235	IO					4.06
37.167	0.00	0.06	0.234	IO					4.06
37.250	0.00	0.06	0.234	IO					4.05
37.333	0.00	0.06	0.233	IO					4.05
37.417	0.00	0.06	0.233	IO					4.04
37.500	0.00	0.06	0.233	IO					4.04
37.583	0.00	0.06	0.232	IO					4.03
37.667	0.00	0.06	0.232	IO					4.03
37.750	0.00	0.06	0.231	IO					4.02
37.833	0.00	0.06	0.231	IO					4.01
37.917	0.00	0.06	0.231	IO					4.01
38.000	0.00	0.06	0.230	IO					4.00
38.083	0.00	0.06	0.230	IO					4.00
38.167	0.00	0.06	0.229	IO					3.99
38.250	0.00	0.06	0.229	IO					3.99
38.333	0.00	0.06	0.229	IO					3.98
38.417	0.00	0.06	0.228	IO					3.98
38.500	0.00	0.06	0.228	IO					3.97
38.583	0.00	0.06	0.228	IO					3.97
38.667	0.00	0.06	0.227	IO					3.96
38.750	0.00	0.06	0.227	IO					3.95
38.833	0.00	0.06	0.226	IO					3.95
38.917	0.00	0.06	0.226	IO					3.94
39.000	0.00	0.06	0.226	IO					3.94
39.083	0.00	0.06	0.225	IO					3.93
39.167	0.00	0.06	0.225	IO					3.93
39.250	0.00	0.06	0.225	IO					3.92
39.333	0.00	0.06	0.224	IO					3.92

39.417	0.00	0.06	0.224	IO					3.91
39.500	0.00	0.06	0.223	IO					3.91
39.583	0.00	0.06	0.223	IO					3.90
39.667	0.00	0.06	0.223	IO					3.89
39.750	0.00	0.06	0.222	IO					3.89
39.833	0.00	0.06	0.222	IO					3.88
39.917	0.00	0.06	0.221	IO					3.88
40.000	0.00	0.05	0.221	IO					3.87
40.083	0.00	0.05	0.221	IO					3.87
40.167	0.00	0.05	0.220	IO					3.86
40.250	0.00	0.05	0.220	IO					3.86
40.333	0.00	0.05	0.220	IO					3.85
40.417	0.00	0.05	0.219	IO					3.85
40.500	0.00	0.05	0.219	IO					3.84
40.583	0.00	0.05	0.218	IO					3.83
40.667	0.00	0.05	0.218	IO					3.83
40.750	0.00	0.05	0.218	IO					3.82
40.833	0.00	0.05	0.217	IO					3.82
40.917	0.00	0.05	0.217	IO					3.81
41.000	0.00	0.05	0.217	IO					3.81
41.083	0.00	0.05	0.216	IO					3.80
41.167	0.00	0.05	0.216	IO					3.80
41.250	0.00	0.05	0.215	IO					3.79
41.333	0.00	0.05	0.215	IO					3.79
41.417	0.00	0.05	0.215	IO					3.78
41.500	0.00	0.05	0.214	IO					3.78
41.583	0.00	0.05	0.214	IO					3.77
41.667	0.00	0.05	0.214	IO					3.77
41.750	0.00	0.05	0.213	IO					3.76
41.833	0.00	0.05	0.213	IO					3.75
41.917	0.00	0.05	0.212	IO					3.75
42.000	0.00	0.05	0.212	IO					3.74
42.083	0.00	0.05	0.212	IO					3.74
42.167	0.00	0.05	0.211	IO					3.73
42.250	0.00	0.05	0.211	IO					3.73
42.333	0.00	0.05	0.211	IO					3.72
42.417	0.00	0.05	0.210	IO					3.72
42.500	0.00	0.05	0.210	IO					3.71
42.583	0.00	0.05	0.209	IO					3.71
42.667	0.00	0.05	0.209	IO					3.70
42.750	0.00	0.05	0.209	IO					3.70
42.833	0.00	0.05	0.208	IO					3.69
42.917	0.00	0.05	0.208	IO					3.69
43.000	0.00	0.05	0.208	IO					3.68
43.083	0.00	0.05	0.207	IO					3.68
43.167	0.00	0.05	0.207	IO					3.67
43.250	0.00	0.05	0.207	IO					3.66
43.333	0.00	0.05	0.206	IO					3.66
43.417	0.00	0.05	0.206	IO					3.65
43.500	0.00	0.05	0.205	IO					3.65

43.583	0.00	0.05	0.205	IO					3.64
43.667	0.00	0.05	0.205	IO					3.64
43.750	0.00	0.05	0.204	IO					3.63
43.833	0.00	0.05	0.204	IO					3.63
43.917	0.00	0.05	0.204	IO					3.62
44.000	0.00	0.05	0.203	IO					3.62
44.083	0.00	0.05	0.203	IO					3.61
44.167	0.00	0.05	0.203	IO					3.61
44.250	0.00	0.05	0.202	IO					3.60
44.333	0.00	0.05	0.202	IO					3.60
44.417	0.00	0.05	0.201	IO					3.59
44.500	0.00	0.05	0.201	IO					3.59
44.583	0.00	0.05	0.201	IO					3.58
44.667	0.00	0.05	0.200	IO					3.58
44.750	0.00	0.05	0.200	IO					3.57
44.833	0.00	0.05	0.200	IO					3.57
44.917	0.00	0.05	0.199	IO					3.56
45.000	0.00	0.05	0.199	IO					3.56
45.083	0.00	0.05	0.199	IO					3.55
45.167	0.00	0.05	0.198	IO					3.55
45.250	0.00	0.05	0.198	IO					3.54
45.333	0.00	0.05	0.197	IO					3.54
45.417	0.00	0.05	0.197	IO					3.53
45.500	0.00	0.05	0.197	IO					3.52
45.583	0.00	0.05	0.196	IO					3.52
45.667	0.00	0.05	0.196	IO					3.51
45.750	0.00	0.05	0.196	IO					3.51
45.833	0.00	0.05	0.195	IO					3.50
45.917	0.00	0.05	0.195	IO					3.50
46.000	0.00	0.05	0.195	IO					3.49
46.083	0.00	0.05	0.194	IO					3.49
46.167	0.00	0.05	0.194	IO					3.48
46.250	0.00	0.05	0.194	IO					3.48
46.333	0.00	0.05	0.193	IO					3.47
46.417	0.00	0.05	0.193	IO					3.47
46.500	0.00	0.05	0.192	IO					3.46
46.583	0.00	0.05	0.192	IO					3.46
46.667	0.00	0.05	0.192	IO					3.45
46.750	0.00	0.05	0.191	IO					3.45
46.833	0.00	0.05	0.191	IO					3.44
46.917	0.00	0.05	0.191	IO					3.44
47.000	0.00	0.05	0.190	IO					3.43
47.083	0.00	0.05	0.190	IO					3.43
47.167	0.00	0.05	0.190	IO					3.42
47.250	0.00	0.05	0.189	IO					3.42
47.333	0.00	0.05	0.189	IO					3.41
47.417	0.00	0.05	0.189	IO					3.41
47.500	0.00	0.05	0.188	IO					3.40
47.583	0.00	0.05	0.188	IO					3.40
47.667	0.00	0.05	0.187	IO					3.39

47.750	0.00	0.05	0.187	IO					3.39
47.833	0.00	0.05	0.187	IO					3.38
47.917	0.00	0.05	0.186	IO					3.38
48.000	0.00	0.05	0.186	IO					3.37
48.083	0.00	0.05	0.186	IO					3.37
48.167	0.00	0.05	0.185	IO					3.36
48.250	0.00	0.05	0.185	IO					3.36
48.333	0.00	0.05	0.185	IO					3.35
48.417	0.00	0.05	0.184	IO					3.35
48.500	0.00	0.05	0.184	IO					3.34
48.583	0.00	0.05	0.184	IO					3.34
48.667	0.00	0.05	0.183	IO					3.33
48.750	0.00	0.05	0.183	IO					3.33
48.833	0.00	0.05	0.183	IO					3.32
48.917	0.00	0.05	0.182	IO					3.32
49.000	0.00	0.05	0.182	IO					3.31
49.083	0.00	0.05	0.182	IO					3.31
49.167	0.00	0.05	0.181	IO					3.30
49.250	0.00	0.05	0.181	IO					3.30
49.333	0.00	0.05	0.180	IO					3.29
49.417	0.00	0.05	0.180	IO					3.29
49.500	0.00	0.05	0.180	IO					3.28
49.583	0.00	0.05	0.179	IO					3.28
49.667	0.00	0.05	0.179	IO					3.27
49.750	0.00	0.05	0.179	IO					3.27
49.833	0.00	0.05	0.178	IO					3.26
49.917	0.00	0.05	0.178	IO					3.26
50.000	0.00	0.05	0.178	IO					3.25
50.083	0.00	0.05	0.177	IO					3.25
50.167	0.00	0.05	0.177	IO					3.24
50.250	0.00	0.05	0.177	IO					3.24
50.333	0.00	0.05	0.176	IO					3.23
50.417	0.00	0.05	0.176	IO					3.23
50.500	0.00	0.05	0.176	IO					3.22
50.583	0.00	0.05	0.175	IO					3.22
50.667	0.00	0.05	0.175	IO					3.21
50.750	0.00	0.05	0.175	IO					3.21
50.833	0.00	0.05	0.174	IO					3.20
50.917	0.00	0.05	0.174	IO					3.20
51.000	0.00	0.05	0.174	IO					3.19
51.083	0.00	0.05	0.173	IO					3.19
51.167	0.00	0.05	0.173	IO					3.18
51.250	0.00	0.05	0.173	IO					3.18
51.333	0.00	0.05	0.172	IO					3.18
51.417	0.00	0.05	0.172	IO					3.17
51.500	0.00	0.05	0.172	IO					3.17
51.583	0.00	0.05	0.171	IO					3.16
51.667	0.00	0.05	0.171	IO					3.16
51.750	0.00	0.05	0.171	IO					3.15
51.833	0.00	0.05	0.170	IO					3.15

51.917	0.00	0.05	0.170	IO					3.14
52.000	0.00	0.05	0.170	IO					3.14
52.083	0.00	0.05	0.169	IO					3.13
52.167	0.00	0.05	0.169	IO					3.13
52.250	0.00	0.05	0.169	IO					3.12
52.333	0.00	0.05	0.168	IO					3.12
52.417	0.00	0.05	0.168	IO					3.11
52.500	0.00	0.05	0.168	IO					3.11
52.583	0.00	0.05	0.167	IO					3.10
52.667	0.00	0.05	0.167	IO					3.10
52.750	0.00	0.05	0.167	IO					3.09
52.833	0.00	0.05	0.166	IO					3.09
52.917	0.00	0.05	0.166	IO					3.08
53.000	0.00	0.05	0.166	IO					3.08
53.083	0.00	0.05	0.165	IO					3.07
53.167	0.00	0.05	0.165	IO					3.07
53.250	0.00	0.05	0.165	IO					3.06
53.333	0.00	0.05	0.164	IO					3.06
53.417	0.00	0.05	0.164	IO					3.05
53.500	0.00	0.05	0.163	IO					3.05
53.583	0.00	0.05	0.163	IO					3.05
53.667	0.00	0.05	0.163	IO					3.04
53.750	0.00	0.05	0.163	IO					3.04
53.833	0.00	0.05	0.162	IO					3.03
53.917	0.00	0.05	0.162	IO					3.03
54.000	0.00	0.05	0.162	IO					3.02
54.083	0.00	0.05	0.161	IO					3.02
54.167	0.00	0.05	0.161	IO					3.01
54.250	0.00	0.05	0.161	IO					3.01
54.333	0.00	0.05	0.160	IO					3.00
54.417	0.00	0.05	0.160	IO					3.00
54.500	0.00	0.05	0.160	IO					2.99
54.583	0.00	0.05	0.159	IO					2.99
54.667	0.00	0.05	0.159	IO					2.98
54.750	0.00	0.05	0.159	IO					2.98
54.833	0.00	0.05	0.158	IO					2.97
54.917	0.00	0.05	0.158	IO					2.97
55.000	0.00	0.05	0.158	IO					2.96
55.083	0.00	0.05	0.157	IO					2.96
55.167	0.00	0.05	0.157	IO					2.95
55.250	0.00	0.05	0.157	IO					2.95
55.333	0.00	0.05	0.156	IO					2.94
55.417	0.00	0.05	0.156	IO					2.94
55.500	0.00	0.05	0.156	IO					2.93
55.583	0.00	0.05	0.155	IO					2.93
55.667	0.00	0.05	0.155	IO					2.93
55.750	0.00	0.05	0.155	IO					2.92
55.833	0.00	0.05	0.154	IO					2.92
55.917	0.00	0.05	0.154	IO					2.91
56.000	0.00	0.05	0.154	IO					2.91

56.083	0.00	0.05	0.153	IO					2.90
56.167	0.00	0.05	0.153	IO					2.90
56.250	0.00	0.05	0.153	IO					2.89
56.333	0.00	0.05	0.152	IO					2.89
56.417	0.00	0.05	0.152	IO					2.88
56.500	0.00	0.05	0.152	IO					2.88
56.583	0.00	0.05	0.151	IO					2.87
56.667	0.00	0.05	0.151	IO					2.87
56.750	0.00	0.05	0.151	IO					2.86
56.833	0.00	0.05	0.150	IO					2.86
56.917	0.00	0.05	0.150	IO					2.85
57.000	0.00	0.05	0.150	IO					2.85
57.083	0.00	0.05	0.149	IO					2.84
57.167	0.00	0.05	0.149	IO					2.84
57.250	0.00	0.05	0.149	IO					2.84
57.333	0.00	0.05	0.148	IO					2.83
57.417	0.00	0.05	0.148	IO					2.83
57.500	0.00	0.05	0.148	IO					2.82
57.583	0.00	0.05	0.148	IO					2.82
57.667	0.00	0.05	0.147	IO					2.81
57.750	0.00	0.05	0.147	IO					2.81
57.833	0.00	0.05	0.147	IO					2.80
57.917	0.00	0.05	0.146	IO					2.80
58.000	0.00	0.05	0.146	IO					2.79
58.083	0.00	0.05	0.146	IO					2.79
58.167	0.00	0.05	0.145	IO					2.78
58.250	0.00	0.05	0.145	IO					2.78
58.333	0.00	0.05	0.145	IO					2.77
58.417	0.00	0.05	0.144	IO					2.77
58.500	0.00	0.05	0.144	IO					2.76
58.583	0.00	0.05	0.144	IO					2.76
58.667	0.00	0.05	0.143	IO					2.76
58.750	0.00	0.05	0.143	IO					2.75
58.833	0.00	0.05	0.143	IO					2.75
58.917	0.00	0.05	0.142	IO					2.74
59.000	0.00	0.05	0.142	O					2.74
59.083	0.00	0.05	0.142	O					2.73
59.167	0.00	0.05	0.141	O					2.73
59.250	0.00	0.05	0.141	O					2.72
59.333	0.00	0.05	0.141	O					2.72
59.417	0.00	0.05	0.141	O					2.71
59.500	0.00	0.05	0.140	O					2.71
59.583	0.00	0.05	0.140	O					2.70
59.667	0.00	0.05	0.140	O					2.70
59.750	0.00	0.05	0.139	O					2.70
59.833	0.00	0.05	0.139	O					2.69
59.917	0.00	0.05	0.139	O					2.69
60.000	0.00	0.05	0.138	O					2.68
60.083	0.00	0.05	0.138	O					2.68
60.167	0.00	0.05	0.138	O					2.67

60.250	0.00	0.05	0.137	0					2.67
60.333	0.00	0.04	0.137	0					2.66
60.417	0.00	0.04	0.137	0					2.66
60.500	0.00	0.04	0.137	0					2.65
60.583	0.00	0.04	0.136	0					2.65
60.667	0.00	0.04	0.136	0					2.65
60.750	0.00	0.04	0.136	0					2.64
60.833	0.00	0.04	0.135	0					2.64
60.917	0.00	0.04	0.135	0					2.63
61.000	0.00	0.04	0.135	0					2.63
61.083	0.00	0.04	0.134	0					2.62
61.167	0.00	0.04	0.134	0					2.62
61.250	0.00	0.04	0.134	0					2.61
61.333	0.00	0.04	0.133	0					2.61
61.417	0.00	0.04	0.133	0					2.60
61.500	0.00	0.04	0.133	0					2.60
61.583	0.00	0.04	0.133	0					2.60
61.667	0.00	0.04	0.132	0					2.59
61.750	0.00	0.04	0.132	0					2.59
61.833	0.00	0.04	0.132	0					2.58
61.917	0.00	0.04	0.131	0					2.58
62.000	0.00	0.04	0.131	0					2.57
62.083	0.00	0.04	0.131	0					2.57
62.167	0.00	0.04	0.130	0					2.56
62.250	0.00	0.04	0.130	0					2.56
62.333	0.00	0.04	0.130	0					2.56
62.417	0.00	0.04	0.129	0					2.55
62.500	0.00	0.04	0.129	0					2.55
62.583	0.00	0.04	0.129	0					2.54
62.667	0.00	0.04	0.129	0					2.54
62.750	0.00	0.04	0.128	0					2.53
62.833	0.00	0.04	0.128	0					2.53
62.917	0.00	0.04	0.128	0					2.52
63.000	0.00	0.04	0.127	0					2.52
63.083	0.00	0.04	0.127	0					2.52
63.167	0.00	0.04	0.127	0					2.51
63.250	0.00	0.04	0.126	0					2.51
63.333	0.00	0.04	0.126	0					2.50
63.417	0.00	0.04	0.126	0					2.50
63.500	0.00	0.04	0.126	0					2.49
63.583	0.00	0.04	0.125	0					2.49
63.667	0.00	0.04	0.125	0					2.48
63.750	0.00	0.04	0.125	0					2.48
63.833	0.00	0.04	0.124	0					2.48
63.917	0.00	0.04	0.124	0					2.47
64.000	0.00	0.04	0.124	0					2.47
64.083	0.00	0.04	0.123	0					2.46
64.167	0.00	0.04	0.123	0					2.46
64.250	0.00	0.04	0.123	0					2.45
64.333	0.00	0.04	0.123	0					2.45

64.417	0.00	0.04	0.122	0					2.45
64.500	0.00	0.04	0.122	0					2.44
64.583	0.00	0.04	0.122	0					2.44
64.667	0.00	0.04	0.121	0					2.43
64.750	0.00	0.04	0.121	0					2.43
64.833	0.00	0.04	0.121	0					2.42
64.917	0.00	0.04	0.121	0					2.42
65.000	0.00	0.04	0.120	0					2.42
65.083	0.00	0.04	0.120	0					2.41
65.167	0.00	0.04	0.120	0					2.41
65.250	0.00	0.04	0.119	0					2.40
65.333	0.00	0.04	0.119	0					2.40
65.417	0.00	0.04	0.119	0					2.39
65.500	0.00	0.04	0.118	0					2.39
65.583	0.00	0.04	0.118	0					2.38
65.667	0.00	0.04	0.118	0					2.38
65.750	0.00	0.04	0.118	0					2.38
65.833	0.00	0.04	0.117	0					2.37
65.917	0.00	0.04	0.117	0					2.37
66.000	0.00	0.04	0.117	0					2.36
66.083	0.00	0.04	0.116	0					2.36
66.167	0.00	0.04	0.116	0					2.35
66.250	0.00	0.04	0.116	0					2.35
66.333	0.00	0.04	0.116	0					2.35
66.417	0.00	0.04	0.115	0					2.34
66.500	0.00	0.04	0.115	0					2.34
66.583	0.00	0.04	0.115	0					2.33
66.667	0.00	0.04	0.114	0					2.33
66.750	0.00	0.04	0.114	0					2.32
66.833	0.00	0.04	0.114	0					2.32
66.917	0.00	0.04	0.114	0					2.32
67.000	0.00	0.04	0.113	0					2.31
67.083	0.00	0.04	0.113	0					2.31
67.167	0.00	0.04	0.113	0					2.30
67.250	0.00	0.04	0.112	0					2.30
67.333	0.00	0.04	0.112	0					2.30
67.417	0.00	0.04	0.112	0					2.29
67.500	0.00	0.04	0.112	0					2.29
67.583	0.00	0.04	0.111	0					2.28
67.667	0.00	0.04	0.111	0					2.28
67.750	0.00	0.04	0.111	0					2.27
67.833	0.00	0.04	0.110	0					2.27
67.917	0.00	0.04	0.110	0					2.27
68.000	0.00	0.04	0.110	0					2.26
68.083	0.00	0.04	0.110	0					2.26
68.167	0.00	0.04	0.109	0					2.25
68.250	0.00	0.04	0.109	0					2.25
68.333	0.00	0.04	0.109	0					2.24
68.417	0.00	0.04	0.108	0					2.24
68.500	0.00	0.04	0.108	0					2.24

68.583	0.00	0.04	0.108	0					2.23
68.667	0.00	0.04	0.108	0					2.23
68.750	0.00	0.04	0.107	0					2.22
68.833	0.00	0.04	0.107	0					2.22
68.917	0.00	0.04	0.107	0					2.22
69.000	0.00	0.04	0.106	0					2.21
69.083	0.00	0.04	0.106	0					2.21
69.167	0.00	0.04	0.106	0					2.20
69.250	0.00	0.04	0.106	0					2.20
69.333	0.00	0.04	0.105	0					2.20
69.417	0.00	0.04	0.105	0					2.19
69.500	0.00	0.04	0.105	0					2.19
69.583	0.00	0.04	0.104	0					2.18
69.667	0.00	0.04	0.104	0					2.18
69.750	0.00	0.04	0.104	0					2.17
69.833	0.00	0.04	0.104	0					2.17
69.917	0.00	0.04	0.103	0					2.17
70.000	0.00	0.04	0.103	0					2.16
70.083	0.00	0.04	0.103	0					2.16
70.167	0.00	0.04	0.102	0					2.15
70.250	0.00	0.04	0.102	0					2.15
70.333	0.00	0.04	0.102	0					2.15
70.417	0.00	0.04	0.102	0					2.14
70.500	0.00	0.04	0.101	0					2.14
70.583	0.00	0.04	0.101	0					2.13
70.667	0.00	0.04	0.101	0					2.13
70.750	0.00	0.04	0.101	0					2.13
70.833	0.00	0.04	0.100	0					2.12
70.917	0.00	0.04	0.100	0					2.12
71.000	0.00	0.04	0.100	0					2.11
71.083	0.00	0.04	0.099	0					2.11
71.167	0.00	0.04	0.099	0					2.11
71.250	0.00	0.04	0.099	0					2.10
71.333	0.00	0.04	0.099	0					2.10
71.417	0.00	0.04	0.098	0					2.09
71.500	0.00	0.04	0.098	0					2.09
71.583	0.00	0.04	0.098	0					2.09
71.667	0.00	0.04	0.098	0					2.08
71.750	0.00	0.04	0.097	0					2.08
71.833	0.00	0.04	0.097	0					2.07
71.917	0.00	0.04	0.097	0					2.07
72.000	0.00	0.04	0.096	0					2.07
72.083	0.00	0.04	0.096	0					2.06
72.167	0.00	0.04	0.096	0					2.06
72.250	0.00	0.04	0.096	0					2.05
72.333	0.00	0.04	0.095	0					2.05
72.417	0.00	0.04	0.095	0					2.05
72.500	0.00	0.04	0.095	0					2.04
72.583	0.00	0.04	0.095	0					2.04
72.667	0.00	0.04	0.094	0					2.03

72.750	0.00	0.04	0.094	0					2.03
72.833	0.00	0.04	0.094	0					2.03
72.917	0.00	0.04	0.093	0					2.02
73.000	0.00	0.04	0.093	0					2.02
73.083	0.00	0.04	0.093	0					2.01
73.167	0.00	0.04	0.093	0					2.01
73.250	0.00	0.04	0.092	0					2.01
73.333	0.00	0.04	0.092	0					2.00
73.417	0.00	0.04	0.092	0					2.00
73.500	0.00	0.04	0.092	0					1.99
73.583	0.00	0.04	0.091	0					1.99
73.667	0.00	0.04	0.091	0					1.98
73.750	0.00	0.04	0.091	0					1.98
73.833	0.00	0.04	0.090	0					1.97
73.917	0.00	0.04	0.090	0					1.97
74.000	0.00	0.04	0.090	0					1.96
74.083	0.00	0.04	0.090	0					1.96
74.167	0.00	0.04	0.089	0					1.95
74.250	0.00	0.04	0.089	0					1.95
74.333	0.00	0.04	0.089	0					1.95
74.417	0.00	0.04	0.089	0					1.94
74.500	0.00	0.04	0.088	0					1.94
74.583	0.00	0.04	0.088	0					1.93
74.667	0.00	0.04	0.088	0					1.93
74.750	0.00	0.04	0.088	0					1.92
74.833	0.00	0.04	0.087	0					1.92
74.917	0.00	0.04	0.087	0					1.91
75.000	0.00	0.04	0.087	0					1.91
75.083	0.00	0.04	0.087	0					1.90
75.167	0.00	0.04	0.086	0					1.90
75.250	0.00	0.04	0.086	0					1.89
75.333	0.00	0.04	0.086	0					1.89
75.417	0.00	0.04	0.085	0					1.89
75.500	0.00	0.04	0.085	0					1.88
75.583	0.00	0.04	0.085	0					1.88
75.667	0.00	0.04	0.085	0					1.87
75.750	0.00	0.04	0.084	0					1.87
75.833	0.00	0.04	0.084	0					1.86
75.917	0.00	0.04	0.084	0					1.86
76.000	0.00	0.04	0.084	0					1.85
76.083	0.00	0.04	0.083	0					1.85
76.167	0.00	0.04	0.083	0					1.84
76.250	0.00	0.04	0.083	0					1.84
76.333	0.00	0.04	0.083	0					1.84
76.417	0.00	0.04	0.082	0					1.83
76.500	0.00	0.04	0.082	0					1.83
76.583	0.00	0.04	0.082	0					1.82
76.667	0.00	0.04	0.082	0					1.82
76.750	0.00	0.04	0.081	0					1.81
76.833	0.00	0.04	0.081	0					1.81

76.917	0.00	0.04	0.081	0					1.80
77.000	0.00	0.04	0.081	0					1.80
77.083	0.00	0.04	0.080	0					1.80
77.167	0.00	0.04	0.080	0					1.79
77.250	0.00	0.04	0.080	0					1.79
77.333	0.00	0.04	0.080	0					1.78
77.417	0.00	0.04	0.079	0					1.78
77.500	0.00	0.04	0.079	0					1.77
77.583	0.00	0.04	0.079	0					1.77
77.667	0.00	0.04	0.079	0					1.76
77.750	0.00	0.04	0.078	0					1.76
77.833	0.00	0.04	0.078	0					1.76
77.917	0.00	0.04	0.078	0					1.75
78.000	0.00	0.04	0.078	0					1.75
78.083	0.00	0.04	0.077	0					1.74
78.167	0.00	0.04	0.077	0					1.74
78.250	0.00	0.04	0.077	0					1.73
78.333	0.00	0.04	0.077	0					1.73
78.417	0.00	0.04	0.076	0					1.73
78.500	0.00	0.04	0.076	0					1.72
78.583	0.00	0.04	0.076	0					1.72
78.667	0.00	0.04	0.076	0					1.71
78.750	0.00	0.04	0.075	0					1.71
78.833	0.00	0.04	0.075	0					1.70
78.917	0.00	0.04	0.075	0					1.70
79.000	0.00	0.04	0.075	0					1.70
79.083	0.00	0.04	0.074	0					1.69
79.167	0.00	0.04	0.074	0					1.69
79.250	0.00	0.04	0.074	0					1.68
79.333	0.00	0.04	0.074	0					1.68
79.417	0.00	0.04	0.073	0					1.67
79.500	0.00	0.04	0.073	0					1.67
79.583	0.00	0.04	0.073	0					1.67
79.667	0.00	0.04	0.073	0					1.66
79.750	0.00	0.04	0.072	0					1.66
79.833	0.00	0.04	0.072	0					1.65
79.917	0.00	0.04	0.072	0					1.65
80.000	0.00	0.04	0.072	0					1.64
80.083	0.00	0.04	0.071	0					1.64
80.167	0.00	0.03	0.071	0					1.64
80.250	0.00	0.03	0.071	0					1.63
80.333	0.00	0.03	0.071	0					1.63
80.417	0.00	0.03	0.070	0					1.62
80.500	0.00	0.03	0.070	0					1.62
80.583	0.00	0.03	0.070	0					1.61
80.667	0.00	0.03	0.070	0					1.61
80.750	0.00	0.03	0.070	0					1.61
80.833	0.00	0.03	0.069	0					1.60
80.917	0.00	0.03	0.069	0					1.60
81.000	0.00	0.03	0.069	0					1.59

81.083	0.00	0.03	0.069	0					1.59
81.167	0.00	0.03	0.068	0					1.58
81.250	0.00	0.03	0.068	0					1.58
81.333	0.00	0.03	0.068	0					1.58
81.417	0.00	0.03	0.068	0					1.57
81.500	0.00	0.03	0.067	0					1.57
81.583	0.00	0.03	0.067	0					1.56
81.667	0.00	0.03	0.067	0					1.56
81.750	0.00	0.03	0.067	0					1.56
81.833	0.00	0.03	0.066	0					1.55
81.917	0.00	0.03	0.066	0					1.55
82.000	0.00	0.03	0.066	0					1.54
82.083	0.00	0.03	0.066	0					1.54
82.167	0.00	0.03	0.066	0					1.54
82.250	0.00	0.03	0.065	0					1.53
82.333	0.00	0.03	0.065	0					1.53
82.417	0.00	0.03	0.065	0					1.52
82.500	0.00	0.03	0.065	0					1.52
82.583	0.00	0.03	0.064	0					1.52
82.667	0.00	0.03	0.064	0					1.51
82.750	0.00	0.03	0.064	0					1.51
82.833	0.00	0.03	0.064	0					1.50
82.917	0.00	0.03	0.063	0					1.50
83.000	0.00	0.03	0.063	0					1.49
83.083	0.00	0.03	0.063	0					1.49
83.167	0.00	0.03	0.063	0					1.49
83.250	0.00	0.03	0.063	0					1.48
83.333	0.00	0.03	0.062	0					1.48
83.417	0.00	0.03	0.062	0					1.47
83.500	0.00	0.03	0.062	0					1.47
83.583	0.00	0.03	0.062	0					1.47
83.667	0.00	0.03	0.061	0					1.46
83.750	0.00	0.03	0.061	0					1.46
83.833	0.00	0.03	0.061	0					1.45
83.917	0.00	0.03	0.061	0					1.45
84.000	0.00	0.03	0.060	0					1.45
84.083	0.00	0.03	0.060	0					1.44
84.167	0.00	0.03	0.060	0					1.44
84.250	0.00	0.03	0.060	0					1.43
84.333	0.00	0.03	0.060	0					1.43
84.417	0.00	0.03	0.059	0					1.43
84.500	0.00	0.03	0.059	0					1.42
84.583	0.00	0.03	0.059	0					1.42
84.667	0.00	0.03	0.059	0					1.42
84.750	0.00	0.03	0.058	0					1.41
84.833	0.00	0.03	0.058	0					1.41
84.917	0.00	0.03	0.058	0					1.40
85.000	0.00	0.03	0.058	0					1.40
85.083	0.00	0.03	0.058	0					1.40
85.167	0.00	0.03	0.057	0					1.39

85.250	0.00	0.03	0.057	0					1.39
85.333	0.00	0.03	0.057	0					1.38
85.417	0.00	0.03	0.057	0					1.38
85.500	0.00	0.03	0.056	0					1.38
85.583	0.00	0.03	0.056	0					1.37
85.667	0.00	0.03	0.056	0					1.37
85.750	0.00	0.03	0.056	0					1.36
85.833	0.00	0.03	0.056	0					1.36
85.917	0.00	0.03	0.055	0					1.36
86.000	0.00	0.03	0.055	0					1.35
86.083	0.00	0.03	0.055	0					1.35
86.167	0.00	0.03	0.055	0					1.35
86.250	0.00	0.03	0.054	0					1.34
86.333	0.00	0.03	0.054	0					1.34
86.417	0.00	0.03	0.054	0					1.33
86.500	0.00	0.03	0.054	0					1.33
86.583	0.00	0.03	0.054	0					1.33
86.667	0.00	0.03	0.053	0					1.32
86.750	0.00	0.03	0.053	0					1.32
86.833	0.00	0.03	0.053	0					1.31
86.917	0.00	0.03	0.053	0					1.31
87.000	0.00	0.03	0.052	0					1.31
87.083	0.00	0.03	0.052	0					1.30
87.167	0.00	0.03	0.052	0					1.30
87.250	0.00	0.03	0.052	0					1.30
87.333	0.00	0.03	0.052	0					1.29
87.417	0.00	0.03	0.051	0					1.29
87.500	0.00	0.03	0.051	0					1.28
87.583	0.00	0.03	0.051	0					1.28
87.667	0.00	0.03	0.051	0					1.28
87.750	0.00	0.03	0.051	0					1.27
87.833	0.00	0.03	0.050	0					1.27
87.917	0.00	0.03	0.050	0					1.27
88.000	0.00	0.03	0.050	0					1.26
88.083	0.00	0.03	0.050	0					1.26
88.167	0.00	0.03	0.049	0					1.25
88.250	0.00	0.03	0.049	0					1.25
88.333	0.00	0.03	0.049	0					1.25
88.417	0.00	0.03	0.049	0					1.24
88.500	0.00	0.03	0.049	0					1.24
88.583	0.00	0.03	0.048	0					1.24
88.667	0.00	0.03	0.048	0					1.23
88.750	0.00	0.03	0.048	0					1.23
88.833	0.00	0.03	0.048	0					1.22
88.917	0.00	0.03	0.048	0					1.22
89.000	0.00	0.03	0.047	0					1.22
89.083	0.00	0.03	0.047	0					1.21
89.167	0.00	0.03	0.047	0					1.21
89.250	0.00	0.03	0.047	0					1.21
89.333	0.00	0.03	0.047	0					1.20

89.417	0.00	0.03	0.046	0					1.20
89.500	0.00	0.03	0.046	0					1.20
89.583	0.00	0.03	0.046	0					1.19
89.667	0.00	0.03	0.046	0					1.19
89.750	0.00	0.03	0.046	0					1.18
89.833	0.00	0.03	0.045	0					1.18
89.917	0.00	0.03	0.045	0					1.18
90.000	0.00	0.03	0.045	0					1.17
90.083	0.00	0.03	0.045	0					1.17
90.167	0.00	0.03	0.044	0					1.17
90.250	0.00	0.03	0.044	0					1.16
90.333	0.00	0.03	0.044	0					1.16
90.417	0.00	0.03	0.044	0					1.16
90.500	0.00	0.03	0.044	0					1.15
90.583	0.00	0.03	0.043	0					1.15
90.667	0.00	0.03	0.043	0					1.14
90.750	0.00	0.03	0.043	0					1.14
90.833	0.00	0.03	0.043	0					1.14
90.917	0.00	0.03	0.043	0					1.13
91.000	0.00	0.03	0.042	0					1.13
91.083	0.00	0.03	0.042	0					1.13
91.167	0.00	0.03	0.042	0					1.12
91.250	0.00	0.03	0.042	0					1.12
91.333	0.00	0.03	0.042	0					1.12
91.417	0.00	0.03	0.041	0					1.11
91.500	0.00	0.03	0.041	0					1.11
91.583	0.00	0.03	0.041	0					1.11
91.667	0.00	0.03	0.041	0					1.10
91.750	0.00	0.03	0.041	0					1.10
91.833	0.00	0.03	0.040	0					1.10
91.917	0.00	0.03	0.040	0					1.09
92.000	0.00	0.03	0.040	0					1.09
92.083	0.00	0.03	0.040	0					1.08
92.167	0.00	0.03	0.040	0					1.08
92.250	0.00	0.03	0.039	0					1.08
92.333	0.00	0.03	0.039	0					1.07
92.417	0.00	0.03	0.039	0					1.07
92.500	0.00	0.03	0.039	0					1.07
92.583	0.00	0.03	0.039	0					1.06
92.667	0.00	0.03	0.038	0					1.06
92.750	0.00	0.03	0.038	0					1.06
92.833	0.00	0.03	0.038	0					1.05
92.917	0.00	0.03	0.038	0					1.05
93.000	0.00	0.03	0.038	0					1.05
93.083	0.00	0.03	0.037	0					1.04
93.167	0.00	0.03	0.037	0					1.04
93.250	0.00	0.03	0.037	0					1.04
93.333	0.00	0.03	0.037	0					1.03
93.417	0.00	0.03	0.037	0					1.03
93.500	0.00	0.03	0.036	0					1.03

93.583	0.00	0.03	0.036	0					1.02
93.667	0.00	0.03	0.036	0					1.02
93.750	0.00	0.03	0.036	0					1.02
93.833	0.00	0.03	0.036	0					1.01
93.917	0.00	0.03	0.036	0					1.01
94.000	0.00	0.03	0.035	0					1.01
94.083	0.00	0.03	0.035	0					1.00
94.167	0.00	0.03	0.035	0					1.00
94.250	0.00	0.03	0.035	0					0.99
94.333	0.00	0.03	0.035	0					0.99
94.417	0.00	0.03	0.034	0					0.98
94.500	0.00	0.03	0.034	0					0.98
94.583	0.00	0.03	0.034	0					0.97
94.667	0.00	0.03	0.034	0					0.97
94.750	0.00	0.03	0.034	0					0.96
94.833	0.00	0.03	0.033	0					0.96
94.917	0.00	0.03	0.033	0					0.95
95.000	0.00	0.03	0.033	0					0.95
95.083	0.00	0.03	0.033	0					0.94
95.167	0.00	0.03	0.033	0					0.94
95.250	0.00	0.03	0.033	0					0.93
95.333	0.00	0.03	0.032	0					0.93
95.417	0.00	0.03	0.032	0					0.92
95.500	0.00	0.03	0.032	0					0.92
95.583	0.00	0.03	0.032	0					0.91
95.667	0.00	0.03	0.032	0					0.91
95.750	0.00	0.03	0.031	0					0.90
95.833	0.00	0.03	0.031	0					0.90
95.917	0.00	0.03	0.031	0					0.89
96.000	0.00	0.03	0.031	0					0.89
96.083	0.00	0.03	0.031	0					0.88
96.167	0.00	0.03	0.031	0					0.88
96.250	0.00	0.02	0.030	0					0.87
96.333	0.00	0.02	0.030	0					0.87
96.417	0.00	0.02	0.030	0					0.86
96.500	0.00	0.02	0.030	0					0.86
96.583	0.00	0.02	0.030	0					0.86
96.667	0.00	0.02	0.030	0					0.85
96.750	0.00	0.02	0.029	0					0.85
96.833	0.00	0.02	0.029	0					0.84
96.917	0.00	0.02	0.029	0					0.84
97.000	0.00	0.02	0.029	0					0.83
97.083	0.00	0.02	0.029	0					0.83
97.167	0.00	0.02	0.029	0					0.82
97.250	0.00	0.02	0.028	0					0.82
97.333	0.00	0.02	0.028	0					0.82
97.417	0.00	0.02	0.028	0					0.81
97.500	0.00	0.02	0.028	0					0.81
97.583	0.00	0.02	0.028	0					0.80
97.667	0.00	0.02	0.028	0					0.80

97.750	0.00	0.02	0.027	0					0.79
97.833	0.00	0.02	0.027	0					0.79
97.917	0.00	0.02	0.027	0					0.78
98.000	0.00	0.02	0.027	0					0.78
98.083	0.00	0.02	0.027	0					0.78
98.167	0.00	0.02	0.027	0					0.77
98.250	0.00	0.02	0.026	0					0.77
98.333	0.00	0.02	0.026	0					0.76
98.417	0.00	0.02	0.026	0					0.76
98.500	0.00	0.02	0.026	0					0.76
98.583	0.00	0.02	0.026	0					0.75
98.667	0.00	0.02	0.026	0					0.75
98.750	0.00	0.02	0.026	0					0.74
98.833	0.00	0.02	0.025	0					0.74
98.917	0.00	0.02	0.025	0					0.73
99.000	0.00	0.02	0.025	0					0.73
99.083	0.00	0.02	0.025	0					0.73
99.167	0.00	0.02	0.025	0					0.72
99.250	0.00	0.02	0.025	0					0.72
99.333	0.00	0.02	0.025	0					0.71
99.417	0.00	0.02	0.024	0					0.71
99.500	0.00	0.02	0.024	0					0.71
99.583	0.00	0.02	0.024	0					0.70
99.667	0.00	0.02	0.024	0					0.70
99.750	0.00	0.02	0.024	0					0.70
99.833	0.00	0.02	0.024	0					0.69
99.917	0.00	0.02	0.024	0					0.69
100.000	0.00	0.02	0.023	0					0.68
100.083	0.00	0.02	0.023	0					0.68
100.167	0.00	0.02	0.023	0					0.68
100.250	0.00	0.02	0.023	0					0.67
100.333	0.00	0.02	0.023	0					0.67
100.417	0.00	0.02	0.023	0					0.66
100.500	0.00	0.02	0.023	0					0.66
100.583	0.00	0.02	0.022	0					0.66
100.667	0.00	0.02	0.022	0					0.65
100.750	0.00	0.02	0.022	0					0.65
100.833	0.00	0.02	0.022	0					0.65
100.917	0.00	0.02	0.022	0					0.64
101.000	0.00	0.02	0.022	0					0.64
101.083	0.00	0.02	0.022	0					0.64
101.167	0.00	0.02	0.022	0					0.63
101.250	0.00	0.02	0.021	0					0.63
101.333	0.00	0.02	0.021	0					0.63
101.417	0.00	0.02	0.021	0					0.62
101.500	0.00	0.02	0.021	0					0.62
101.583	0.00	0.02	0.021	0					0.61
101.667	0.00	0.02	0.021	0					0.61
101.750	0.00	0.02	0.021	0					0.61
101.833	0.00	0.02	0.020	0					0.60

101.917	0.00	0.02	0.020	0					0.60
102.000	0.00	0.02	0.020	0					0.60
102.083	0.00	0.02	0.020	0					0.59
102.167	0.00	0.02	0.020	0					0.59
102.250	0.00	0.02	0.020	0					0.59
102.333	0.00	0.02	0.020	0					0.58
102.417	0.00	0.02	0.020	0					0.58
102.500	0.00	0.02	0.019	0					0.58
102.583	0.00	0.02	0.019	0					0.57
102.667	0.00	0.02	0.019	0					0.57
102.750	0.00	0.02	0.019	0					0.57
102.833	0.00	0.02	0.019	0					0.56
102.917	0.00	0.02	0.019	0					0.56
103.000	0.00	0.02	0.019	0					0.56
103.083	0.00	0.02	0.019	0					0.55
103.167	0.00	0.02	0.019	0					0.55
103.250	0.00	0.02	0.018	0					0.55
103.333	0.00	0.02	0.018	0					0.54
103.417	0.00	0.02	0.018	0					0.54
103.500	0.00	0.02	0.018	0					0.54
103.583	0.00	0.02	0.018	0					0.54
103.667	0.00	0.02	0.018	0					0.53
103.750	0.00	0.02	0.018	0					0.53
103.833	0.00	0.02	0.018	0					0.53
103.917	0.00	0.02	0.018	0					0.52
104.000	0.00	0.02	0.017	0					0.52
104.083	0.00	0.02	0.017	0					0.52
104.167	0.00	0.02	0.017	0					0.51
104.250	0.00	0.02	0.017	0					0.51
104.333	0.00	0.02	0.017	0					0.51
104.417	0.00	0.02	0.017	0					0.50
104.500	0.00	0.02	0.017	0					0.50
104.583	0.00	0.02	0.017	0					0.50
104.667	0.00	0.02	0.017	0					0.50
104.750	0.00	0.02	0.016	0					0.49
104.833	0.00	0.02	0.016	0					0.49
104.917	0.00	0.02	0.016	0					0.49
105.000	0.00	0.02	0.016	0					0.48
105.083	0.00	0.02	0.016	0					0.48
105.167	0.00	0.02	0.016	0					0.48
105.250	0.00	0.02	0.016	0					0.48
105.333	0.00	0.02	0.016	0					0.47
105.417	0.00	0.02	0.016	0					0.47
105.500	0.00	0.01	0.015	0					0.47
105.583	0.00	0.01	0.015	0					0.46
105.667	0.00	0.01	0.015	0					0.46
105.750	0.00	0.01	0.015	0					0.46
105.833	0.00	0.01	0.015	0					0.46
105.917	0.00	0.01	0.015	0					0.45
106.000	0.00	0.01	0.015	0					0.45

106.083	0.00	0.01	0.015	0					0.45
106.167	0.00	0.01	0.015	0					0.44
106.250	0.00	0.01	0.015	0					0.44
106.333	0.00	0.01	0.014	0					0.44
106.417	0.00	0.01	0.014	0					0.44
106.500	0.00	0.01	0.014	0					0.43
106.583	0.00	0.01	0.014	0					0.43
106.667	0.00	0.01	0.014	0					0.43
106.750	0.00	0.01	0.014	0					0.43
106.833	0.00	0.01	0.014	0					0.42
106.917	0.00	0.01	0.014	0					0.42
107.000	0.00	0.01	0.014	0					0.42
107.083	0.00	0.01	0.014	0					0.42
107.167	0.00	0.01	0.013	0					0.41
107.250	0.00	0.01	0.013	0					0.41
107.333	0.00	0.01	0.013	0					0.41
107.417	0.00	0.01	0.013	0					0.41
107.500	0.00	0.01	0.013	0					0.40
107.583	0.00	0.01	0.013	0					0.40
107.667	0.00	0.01	0.013	0					0.40
107.750	0.00	0.01	0.013	0					0.40
107.833	0.00	0.01	0.013	0					0.39
107.917	0.00	0.01	0.013	0					0.39
108.000	0.00	0.01	0.013	0					0.39
108.083	0.00	0.01	0.012	0					0.39
108.167	0.00	0.01	0.012	0					0.38
108.250	0.00	0.01	0.012	0					0.38
108.333	0.00	0.01	0.012	0					0.38
108.417	0.00	0.01	0.012	0					0.38
108.500	0.00	0.01	0.012	0					0.37
108.583	0.00	0.01	0.012	0					0.37
108.667	0.00	0.01	0.012	0					0.37
108.750	0.00	0.01	0.012	0					0.37
108.833	0.00	0.01	0.012	0					0.36
108.917	0.00	0.01	0.012	0					0.36
109.000	0.00	0.01	0.012	0					0.36
109.083	0.00	0.01	0.011	0					0.36
109.167	0.00	0.01	0.011	0					0.35
109.250	0.00	0.01	0.011	0					0.35
109.333	0.00	0.01	0.011	0					0.35
109.417	0.00	0.01	0.011	0					0.35
109.500	0.00	0.01	0.011	0					0.35
109.583	0.00	0.01	0.011	0					0.34
109.667	0.00	0.01	0.011	0					0.34
109.750	0.00	0.01	0.011	0					0.34
109.833	0.00	0.01	0.011	0					0.34
109.917	0.00	0.01	0.011	0					0.33
110.000	0.00	0.01	0.011	0					0.33
110.083	0.00	0.01	0.010	0					0.33
110.167	0.00	0.01	0.010	0					0.33

110.250	0.00	0.01	0.010	0					0.33
110.333	0.00	0.01	0.010	0					0.32
110.417	0.00	0.01	0.010	0					0.32
110.500	0.00	0.01	0.010	0					0.32
110.583	0.00	0.01	0.010	0					0.32
110.667	0.00	0.01	0.010	0					0.32
110.750	0.00	0.01	0.010	0					0.31
110.833	0.00	0.01	0.010	0					0.31
110.917	0.00	0.01	0.010	0					0.31
111.000	0.00	0.01	0.010	0					0.31
111.083	0.00	0.01	0.010	0					0.30
111.167	0.00	0.01	0.009	0					0.30
111.250	0.00	0.01	0.009	0					0.30
111.333	0.00	0.01	0.009	0					0.30
111.417	0.00	0.01	0.009	0					0.30
111.500	0.00	0.01	0.009	0					0.29
111.583	0.00	0.01	0.009	0					0.29
111.667	0.00	0.01	0.009	0					0.29
111.750	0.00	0.01	0.009	0					0.29
111.833	0.00	0.01	0.009	0					0.29
111.917	0.00	0.01	0.009	0					0.28
112.000	0.00	0.01	0.009	0					0.28
112.083	0.00	0.01	0.009	0					0.28
112.167	0.00	0.01	0.009	0					0.28
112.250	0.00	0.01	0.008	0					0.28
112.333	0.00	0.01	0.008	0					0.27
112.417	0.00	0.01	0.008	0					0.27
112.500	0.00	0.01	0.008	0					0.27
112.583	0.00	0.01	0.008	0					0.27
112.667	0.00	0.01	0.008	0					0.27
112.750	0.00	0.01	0.008	0					0.27
112.833	0.00	0.01	0.008	0					0.26
112.917	0.00	0.01	0.008	0					0.26
113.000	0.00	0.01	0.008	0					0.26
113.083	0.00	0.01	0.008	0					0.26
113.167	0.00	0.01	0.008	0					0.26
113.250	0.00	0.01	0.008	0					0.25
113.333	0.00	0.01	0.008	0					0.25
113.417	0.00	0.01	0.008	0					0.25
113.500	0.00	0.01	0.007	0					0.25
113.583	0.00	0.01	0.007	0					0.25
113.667	0.00	0.01	0.007	0					0.25
113.750	0.00	0.01	0.007	0					0.24
113.833	0.00	0.01	0.007	0					0.24
113.917	0.00	0.01	0.007	0					0.24
114.000	0.00	0.01	0.007	0					0.24
114.083	0.00	0.01	0.007	0					0.24
114.167	0.00	0.01	0.007	0					0.23
114.250	0.00	0.01	0.007	0					0.23
114.333	0.00	0.01	0.007	0					0.23

114.417	0.00	0.01	0.007	0					0.23
114.500	0.00	0.01	0.007	0					0.23
114.583	0.00	0.01	0.007	0					0.23
114.667	0.00	0.01	0.007	0					0.22
114.750	0.00	0.01	0.006	0					0.22
114.833	0.00	0.01	0.006	0					0.22
114.917	0.00	0.01	0.006	0					0.22
115.000	0.00	0.01	0.006	0					0.22
115.083	0.00	0.01	0.006	0					0.22
115.167	0.00	0.01	0.006	0					0.21
115.250	0.00	0.01	0.006	0					0.21
115.333	0.00	0.01	0.006	0					0.21
115.417	0.00	0.01	0.006	0					0.21
115.500	0.00	0.01	0.006	0					0.21
115.583	0.00	0.01	0.006	0					0.21
115.667	0.00	0.01	0.006	0					0.20
115.750	0.00	0.01	0.006	0					0.20
115.833	0.00	0.01	0.006	0					0.20
115.917	0.00	0.01	0.006	0					0.20
116.000	0.00	0.01	0.006	0					0.20
116.083	0.00	0.01	0.006	0					0.20
116.167	0.00	0.01	0.005	0					0.19
116.250	0.00	0.01	0.005	0					0.19
116.333	0.00	0.01	0.005	0					0.19
116.417	0.00	0.01	0.005	0					0.19
116.500	0.00	0.01	0.005	0					0.19
116.583	0.00	0.01	0.005	0					0.19
116.667	0.00	0.01	0.005	0					0.19
116.750	0.00	0.01	0.005	0					0.18
116.833	0.00	0.01	0.005	0					0.18
116.917	0.00	0.01	0.005	0					0.18
117.000	0.00	0.01	0.005	0					0.18
117.083	0.00	0.01	0.005	0					0.18
117.167	0.00	0.01	0.005	0					0.18
117.250	0.00	0.01	0.005	0					0.18
117.333	0.00	0.01	0.005	0					0.17
117.417	0.00	0.01	0.005	0					0.17
117.500	0.00	0.01	0.005	0					0.17
117.583	0.00	0.01	0.005	0					0.17
117.667	0.00	0.01	0.004	0					0.17
117.750	0.00	0.01	0.004	0					0.17
117.833	0.00	0.01	0.004	0					0.16
117.917	0.00	0.01	0.004	0					0.16
118.000	0.00	0.01	0.004	0					0.16
118.083	0.00	0.01	0.004	0					0.16
118.167	0.00	0.01	0.004	0					0.16
118.250	0.00	0.01	0.004	0					0.16
118.333	0.00	0.01	0.004	0					0.16
118.417	0.00	0.01	0.004	0					0.16
118.500	0.00	0.01	0.004	0					0.15

118.583	0.00	0.01	0.004	0					0.15
118.667	0.00	0.01	0.004	0					0.15
118.750	0.00	0.01	0.004	0					0.15
118.833	0.00	0.01	0.004	0					0.15
118.917	0.00	0.01	0.004	0					0.15
119.000	0.00	0.01	0.004	0					0.15
119.083	0.00	0.01	0.004	0					0.14
119.167	0.00	0.01	0.004	0					0.14
119.250	0.00	0.01	0.004	0					0.14
119.333	0.00	0.01	0.003	0					0.14
119.417	0.00	0.01	0.003	0					0.14
119.500	0.00	0.01	0.003	0					0.14
119.583	0.00	0.01	0.003	0					0.14
119.667	0.00	0.01	0.003	0					0.14
119.750	0.00	0.01	0.003	0					0.13
119.833	0.00	0.01	0.003	0					0.13
119.917	0.00	0.01	0.003	0					0.13
120.000	0.00	0.01	0.003	0					0.13
120.083	0.00	0.01	0.003	0					0.13
120.167	0.00	0.01	0.003	0					0.13
120.250	0.00	0.01	0.003	0					0.13
120.333	0.00	0.01	0.003	0					0.13
120.417	0.00	0.01	0.003	0					0.12
120.500	0.00	0.01	0.003	0					0.12
120.583	0.00	0.01	0.003	0					0.12
120.667	0.00	0.01	0.003	0					0.12
120.750	0.00	0.01	0.003	0					0.12
120.833	0.00	0.01	0.003	0					0.12
120.917	0.00	0.01	0.003	0					0.12
121.000	0.00	0.01	0.003	0					0.12
121.083	0.00	0.01	0.003	0					0.11
121.167	0.00	0.01	0.002	0					0.11
121.250	0.00	0.01	0.002	0					0.11
121.333	0.00	0.01	0.002	0					0.11
121.417	0.00	0.01	0.002	0					0.11
121.500	0.00	0.01	0.002	0					0.11
121.583	0.00	0.01	0.002	0					0.11
121.667	0.00	0.01	0.002	0					0.11
121.750	0.00	0.01	0.002	0					0.10
121.833	0.00	0.01	0.002	0					0.10
121.917	0.00	0.01	0.002	0					0.10
122.000	0.00	0.01	0.002	0					0.10
122.083	0.00	0.01	0.002	0					0.10
122.167	0.00	0.01	0.002	0					0.10
122.250	0.00	0.01	0.002	0					0.10
122.333	0.00	0.01	0.002	0					0.09
122.417	0.00	0.01	0.002	0					0.09
122.500	0.00	0.01	0.002	0					0.09
122.583	0.00	0.01	0.002	0					0.09
122.667	0.00	0.01	0.002	0					0.09

122.750	0.00	0.01	0.002	0					0.09
122.833	0.00	0.00	0.002	0					0.08
122.917	0.00	0.00	0.002	0					0.08
123.000	0.00	0.00	0.002	0					0.08
123.083	0.00	0.00	0.002	0					0.08
123.167	0.00	0.00	0.002	0					0.08
123.250	0.00	0.00	0.002	0					0.08
123.333	0.00	0.00	0.001	0					0.07
123.417	0.00	0.00	0.001	0					0.07
123.500	0.00	0.00	0.001	0					0.07
123.583	0.00	0.00	0.001	0					0.07
123.667	0.00	0.00	0.001	0					0.07
123.750	0.00	0.00	0.001	0					0.07
123.833	0.00	0.00	0.001	0					0.07
123.917	0.00	0.00	0.001	0					0.06
124.000	0.00	0.00	0.001	0					0.06
124.083	0.00	0.00	0.001	0					0.06
124.167	0.00	0.00	0.001	0					0.06
124.250	0.00	0.00	0.001	0					0.06
124.333	0.00	0.00	0.001	0					0.06
124.417	0.00	0.00	0.001	0					0.06
124.500	0.00	0.00	0.001	0					0.06
124.583	0.00	0.00	0.001	0					0.05
124.667	0.00	0.00	0.001	0					0.05
124.750	0.00	0.00	0.001	0					0.05
124.833	0.00	0.00	0.001	0					0.05
124.917	0.00	0.00	0.001	0					0.05
125.000	0.00	0.00	0.001	0					0.05
125.083	0.00	0.00	0.001	0					0.05
125.167	0.00	0.00	0.001	0					0.05
125.250	0.00	0.00	0.001	0					0.05
125.333	0.00	0.00	0.001	0					0.04
125.417	0.00	0.00	0.001	0					0.04
125.500	0.00	0.00	0.001	0					0.04
125.583	0.00	0.00	0.001	0					0.04
125.667	0.00	0.00	0.001	0					0.04
125.750	0.00	0.00	0.001	0					0.04
125.833	0.00	0.00	0.001	0					0.04
125.917	0.00	0.00	0.001	0					0.04
126.000	0.00	0.00	0.001	0					0.04
126.083	0.00	0.00	0.001	0					0.04
126.167	0.00	0.00	0.001	0					0.04
126.250	0.00	0.00	0.001	0					0.04
126.333	0.00	0.00	0.001	0					0.03
126.417	0.00	0.00	0.001	0					0.03
126.500	0.00	0.00	0.001	0					0.03
126.583	0.00	0.00	0.001	0					0.03
126.667	0.00	0.00	0.001	0					0.03
126.750	0.00	0.00	0.001	0					0.03
126.833	0.00	0.00	0.001	0					0.03

126.917	0.00	0.00	0.001	0					0.03
127.000	0.00	0.00	0.001	0					0.03
127.083	0.00	0.00	0.001	0					0.03
127.167	0.00	0.00	0.001	0					0.03
127.250	0.00	0.00	0.001	0					0.03
127.333	0.00	0.00	0.001	0					0.03
127.417	0.00	0.00	0.001	0					0.03
127.500	0.00	0.00	0.001	0					0.03
127.583	0.00	0.00	0.001	0					0.03
127.667	0.00	0.00	0.001	0					0.03
127.750	0.00	0.00	0.000	0					0.02
127.833	0.00	0.00	0.000	0					0.02
127.917	0.00	0.00	0.000	0					0.02
128.000	0.00	0.00	0.000	0					0.02
128.083	0.00	0.00	0.000	0					0.02
128.167	0.00	0.00	0.000	0					0.02
128.250	0.00	0.00	0.000	0					0.02
128.333	0.00	0.00	0.000	0					0.02
128.417	0.00	0.00	0.000	0					0.02
128.500	0.00	0.00	0.000	0					0.02
128.583	0.00	0.00	0.000	0					0.02
128.667	0.00	0.00	0.000	0					0.02
128.750	0.00	0.00	0.000	0					0.02
128.833	0.00	0.00	0.000	0					0.02
128.917	0.00	0.00	0.000	0					0.02
129.000	0.00	0.00	0.000	0					0.02
129.083	0.00	0.00	0.000	0					0.02
129.167	0.00	0.00	0.000	0					0.02
129.250	0.00	0.00	0.000	0					0.02
129.333	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1552

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.411 (CFS)

Total volume = 0.799 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
100 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da46100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.982 (CFS)
Total volume = 0.475 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.0	1.99	2.99	3.98	Depth (Ft.)
0.083	0.19	0.00	0.001	OI					0.03
0.167	0.32	0.01	0.002	O I					0.11
0.250	0.35	0.01	0.005	O I					0.17
0.333	0.35	0.01	0.007	O I					0.23
0.417	0.35	0.01	0.009	O I					0.30
0.500	0.39	0.01	0.012	O I					0.36
0.583	0.41	0.01	0.014	O I					0.44
0.667	0.41	0.02	0.017	O I					0.51
0.750	0.41	0.02	0.020	O I					0.59
0.833	0.41	0.02	0.023	O I					0.66
0.917	0.41	0.02	0.025	O I					0.73
1.000	0.46	0.02	0.028	O I					0.81
1.083	0.49	0.03	0.031	O I					0.90
1.167	0.49	0.03	0.034	O I					0.98
1.250	0.49	0.03	0.038	O I					1.05
1.333	0.49	0.03	0.041	O I					1.10
1.417	0.49	0.03	0.044	O I					1.16
1.500	0.49	0.03	0.047	O I					1.21
1.583	0.49	0.03	0.050	O I					1.27
1.667	0.49	0.03	0.054	O I					1.33
1.750	0.49	0.03	0.057	O I					1.38
1.833	0.49	0.03	0.060	O I					1.44

1.917	0.49	0.03	0.063	0	I						1.49
2.000	0.54	0.03	0.066	0	I						1.55
2.083	0.52	0.03	0.070	0	I						1.61
2.167	0.54	0.04	0.073	0	I						1.67
2.250	0.57	0.04	0.077	0	I						1.73
2.333	0.57	0.04	0.080	0	I						1.80
2.417	0.57	0.04	0.084	0	I						1.86
2.500	0.57	0.04	0.088	0	I						1.93
2.583	0.57	0.04	0.091	0	I						1.99
2.667	0.57	0.04	0.095	0	I						2.05
2.750	0.62	0.04	0.099	0	I						2.10
2.833	0.65	0.04	0.103	0	I						2.16
2.917	0.65	0.04	0.107	0	I						2.22
3.000	0.65	0.04	0.111	0	I						2.29
3.083	0.65	0.04	0.116	0	I						2.35
3.167	0.70	0.04	0.120	0	I						2.41
3.250	0.72	0.04	0.125	0	I						2.48
3.333	0.73	0.04	0.129	0	I						2.55
3.417	0.78	0.04	0.134	0	I						2.62
3.500	0.85	0.05	0.139	0	I						2.70
3.583	0.93	0.05	0.145	0	I						2.78
3.667	0.96	0.05	0.151	0	I						2.87
3.750	1.01	0.05	0.158	0	I						2.97
3.833	1.04	0.05	0.165	0	I						3.07
3.917	1.09	0.05	0.172	0	I						3.17
4.000	1.12	0.05	0.179	0	I						3.27
4.083	1.17	0.05	0.186	0	I						3.38
4.167	1.24	0.05	0.194	0	I						3.49
4.250	1.32	0.05	0.203	0	I						3.61
4.333	1.40	0.05	0.212	0	I						3.74
4.417	1.48	0.06	0.221	0	I						3.88
4.500	1.51	0.06	0.231	0	I						4.02
4.583	1.56	0.06	0.241	0	I						4.16
4.667	1.64	0.06	0.252	0	I						4.32
4.750	1.71	0.06	0.263	0	I						4.47
4.833	1.74	0.06	0.275	0	I						4.64
4.917	1.79	0.06	0.286	0	I						4.82
5.000	1.87	0.08	0.299	0	I						5.03
5.083	2.15	0.18	0.312	0	I						5.24
5.167	2.53	0.29	0.326	0	I						5.47
5.250	2.82	0.49	0.342	0	I						5.74
5.333	3.06	1.04	0.357	0	I						6.04
5.417	3.40	1.69	0.370	0	I						6.39
5.500	3.98	2.29	0.381	0	I						6.76
5.583	2.37	2.55	0.387	0	I						6.92
5.667	0.94	2.29	0.381	0	I						6.76
5.750	0.45	1.81	0.372	0	I						6.46
5.833	0.32	1.39	0.364	0	I						6.20
5.917	0.22	1.05	0.357	0	I						6.05
6.000	0.14	0.79	0.352	0	I						5.94

6.083	0.04	0.63	0.348	I	0					5.85
6.167	0.00	0.54	0.344	I	0					5.78
6.250	0.00	0.46	0.340	I	0					5.71
6.333	0.00	0.39	0.337	I	0					5.66
6.417	0.00	0.36	0.335	I	0					5.62
6.500	0.00	0.34	0.332	I	0					5.58
6.583	0.00	0.32	0.330	I	0					5.54
6.667	0.00	0.31	0.328	I	0					5.50
6.750	0.00	0.29	0.326	I	0					5.47
6.833	0.00	0.27	0.324	I	0					5.44
6.917	0.00	0.26	0.322	I	0					5.41
7.000	0.00	0.25	0.320	IO						5.38
7.083	0.00	0.23	0.319	IO						5.35
7.167	0.00	0.22	0.317	IO						5.33
7.250	0.00	0.21	0.316	IO						5.30
7.333	0.00	0.20	0.314	IO						5.28
7.417	0.00	0.19	0.313	IO						5.26
7.500	0.00	0.18	0.312	IO						5.24
7.583	0.00	0.17	0.311	IO						5.22
7.667	0.00	0.16	0.309	IO						5.20
7.750	0.00	0.15	0.308	IO						5.18
7.833	0.00	0.14	0.307	IO						5.17
7.917	0.00	0.14	0.306	IO						5.15
8.000	0.00	0.13	0.305	IO						5.14
8.083	0.00	0.12	0.305	0						5.12
8.167	0.00	0.12	0.304	0						5.11
8.250	0.00	0.11	0.303	0						5.10
8.333	0.00	0.10	0.302	0						5.08
8.417	0.00	0.10	0.302	0						5.07
8.500	0.00	0.09	0.301	0						5.06
8.583	0.00	0.09	0.300	0						5.05
8.667	0.00	0.08	0.300	0						5.04
8.750	0.00	0.08	0.299	0						5.03
8.833	0.00	0.08	0.299	0						5.03
8.917	0.00	0.07	0.298	0						5.02
9.000	0.00	0.07	0.298	0						5.01
9.083	0.00	0.06	0.297	0						5.00
9.167	0.00	0.06	0.297	0						4.99
9.250	0.00	0.06	0.296	0						4.99
9.333	0.00	0.06	0.296	0						4.98
9.417	0.00	0.06	0.295	0						4.97
9.500	0.00	0.06	0.295	0						4.97
9.583	0.00	0.06	0.295	0						4.96
9.667	0.00	0.06	0.294	0						4.95
9.750	0.00	0.06	0.294	0						4.94
9.833	0.00	0.06	0.293	0						4.94
9.917	0.00	0.06	0.293	0						4.93
10.000	0.00	0.06	0.292	0						4.92
10.083	0.00	0.06	0.292	0						4.92
10.167	0.00	0.06	0.291	0						4.91

10.250	0.00	0.06	0.291	0					4.90
10.333	0.00	0.06	0.291	0					4.89
10.417	0.00	0.06	0.290	0					4.89
10.500	0.00	0.06	0.290	0					4.88
10.583	0.00	0.06	0.289	0					4.87
10.667	0.00	0.06	0.289	0					4.87
10.750	0.00	0.06	0.289	0					4.86
10.833	0.00	0.06	0.288	0					4.85
10.917	0.00	0.06	0.288	0					4.84
11.000	0.00	0.06	0.287	0					4.84
11.083	0.00	0.06	0.287	0					4.83
11.167	0.00	0.06	0.286	0					4.82
11.250	0.00	0.06	0.286	0					4.82
11.333	0.00	0.06	0.286	0					4.81
11.417	0.00	0.06	0.285	0					4.80
11.500	0.00	0.06	0.285	0					4.79
11.583	0.00	0.06	0.284	0					4.79
11.667	0.00	0.06	0.284	0					4.78
11.750	0.00	0.06	0.283	0					4.77
11.833	0.00	0.06	0.283	0					4.77
11.917	0.00	0.06	0.283	0					4.76
12.000	0.00	0.06	0.282	0					4.75
12.083	0.00	0.06	0.282	0					4.75
12.167	0.00	0.06	0.281	0					4.74
12.250	0.00	0.06	0.281	0					4.73
12.333	0.00	0.06	0.280	0					4.73
12.417	0.00	0.06	0.280	0					4.72
12.500	0.00	0.06	0.280	0					4.72
12.583	0.00	0.06	0.279	0					4.71
12.667	0.00	0.06	0.279	0					4.70
12.750	0.00	0.06	0.278	0					4.70
12.833	0.00	0.06	0.278	0					4.69
12.917	0.00	0.06	0.278	0					4.68
13.000	0.00	0.06	0.277	0					4.68
13.083	0.00	0.06	0.277	0					4.67
13.167	0.00	0.06	0.276	0					4.67
13.250	0.00	0.06	0.276	0					4.66
13.333	0.00	0.06	0.275	0					4.65
13.417	0.00	0.06	0.275	0					4.65
13.500	0.00	0.06	0.275	0					4.64
13.583	0.00	0.06	0.274	0					4.64
13.667	0.00	0.06	0.274	0					4.63
13.750	0.00	0.06	0.273	0					4.62
13.833	0.00	0.06	0.273	0					4.62
13.917	0.00	0.06	0.273	0					4.61
14.000	0.00	0.06	0.272	0					4.60
14.083	0.00	0.06	0.272	0					4.60
14.167	0.00	0.06	0.271	0					4.59
14.250	0.00	0.06	0.271	0					4.59
14.333	0.00	0.06	0.270	0					4.58

14.417	0.00	0.06	0.270	0					4.57
14.500	0.00	0.06	0.270	0					4.57
14.583	0.00	0.06	0.269	0					4.56
14.667	0.00	0.06	0.269	0					4.56
14.750	0.00	0.06	0.268	0					4.55
14.833	0.00	0.06	0.268	0					4.54
14.917	0.00	0.06	0.268	0					4.54
15.000	0.00	0.06	0.267	0					4.53
15.083	0.00	0.06	0.267	0					4.53
15.167	0.00	0.06	0.266	0					4.52
15.250	0.00	0.06	0.266	0					4.51
15.333	0.00	0.06	0.265	0					4.51
15.417	0.00	0.06	0.265	0					4.50
15.500	0.00	0.06	0.265	0					4.50
15.583	0.00	0.06	0.264	0					4.49
15.667	0.00	0.06	0.264	0					4.48
15.750	0.00	0.06	0.263	0					4.48
15.833	0.00	0.06	0.263	0					4.47
15.917	0.00	0.06	0.263	0					4.47
16.000	0.00	0.06	0.262	0					4.46
16.083	0.00	0.06	0.262	0					4.45
16.167	0.00	0.06	0.261	0					4.45
16.250	0.00	0.06	0.261	0					4.44
16.333	0.00	0.06	0.261	0					4.44
16.417	0.00	0.06	0.260	0					4.43
16.500	0.00	0.06	0.260	0					4.42
16.583	0.00	0.06	0.259	0					4.42
16.667	0.00	0.06	0.259	0					4.41
16.750	0.00	0.06	0.259	0					4.41
16.833	0.00	0.06	0.258	0					4.40
16.917	0.00	0.06	0.258	0					4.40
17.000	0.00	0.06	0.257	0					4.39
17.083	0.00	0.06	0.257	0					4.38
17.167	0.00	0.06	0.256	0					4.38
17.250	0.00	0.06	0.256	0					4.37
17.333	0.00	0.06	0.256	0					4.37
17.417	0.00	0.06	0.255	0					4.36
17.500	0.00	0.06	0.255	0					4.35
17.583	0.00	0.06	0.254	0					4.35
17.667	0.00	0.06	0.254	0					4.34
17.750	0.00	0.06	0.254	0					4.34
17.833	0.00	0.06	0.253	0					4.33
17.917	0.00	0.06	0.253	0					4.33
18.000	0.00	0.06	0.252	0					4.32
18.083	0.00	0.06	0.252	0					4.31
18.167	0.00	0.06	0.252	0					4.31
18.250	0.00	0.06	0.251	0					4.30
18.333	0.00	0.06	0.251	0					4.30
18.417	0.00	0.06	0.250	0					4.29
18.500	0.00	0.06	0.250	0					4.29

18.583	0.00	0.06	0.250	0					4.28
18.667	0.00	0.06	0.249	0					4.27
18.750	0.00	0.06	0.249	0					4.27
18.833	0.00	0.06	0.248	0					4.26
18.917	0.00	0.06	0.248	0					4.26
19.000	0.00	0.06	0.248	0					4.25
19.083	0.00	0.06	0.247	0					4.25
19.167	0.00	0.06	0.247	0					4.24
19.250	0.00	0.06	0.246	0					4.23
19.333	0.00	0.06	0.246	0					4.23
19.417	0.00	0.06	0.246	0					4.22
19.500	0.00	0.06	0.245	0					4.22
19.583	0.00	0.06	0.245	0					4.21
19.667	0.00	0.06	0.244	0					4.21
19.750	0.00	0.06	0.244	0					4.20
19.833	0.00	0.06	0.244	0					4.19
19.917	0.00	0.06	0.243	0					4.19
20.000	0.00	0.06	0.243	0					4.18
20.083	0.00	0.06	0.242	0					4.18
20.167	0.00	0.06	0.242	0					4.17
20.250	0.00	0.06	0.242	0					4.17
20.333	0.00	0.06	0.241	0					4.16
20.417	0.00	0.06	0.241	0					4.16
20.500	0.00	0.06	0.240	0					4.15
20.583	0.00	0.06	0.240	0					4.14
20.667	0.00	0.06	0.240	0					4.14
20.750	0.00	0.06	0.239	0					4.13
20.833	0.00	0.06	0.239	0					4.13
20.917	0.00	0.06	0.238	0					4.12
21.000	0.00	0.06	0.238	0					4.12
21.083	0.00	0.06	0.238	0					4.11
21.167	0.00	0.06	0.237	0					4.10
21.250	0.00	0.06	0.237	0					4.10
21.333	0.00	0.06	0.237	0					4.09
21.417	0.00	0.06	0.236	0					4.09
21.500	0.00	0.06	0.236	0					4.08
21.583	0.00	0.06	0.235	0					4.08
21.667	0.00	0.06	0.235	0					4.07
21.750	0.00	0.06	0.235	0					4.07
21.833	0.00	0.06	0.234	0					4.06
21.917	0.00	0.06	0.234	0					4.05
22.000	0.00	0.06	0.233	0					4.05
22.083	0.00	0.06	0.233	0					4.04
22.167	0.00	0.06	0.233	0					4.04
22.250	0.00	0.06	0.232	0					4.03
22.333	0.00	0.06	0.232	0					4.03
22.417	0.00	0.06	0.231	0					4.02
22.500	0.00	0.06	0.231	0					4.02
22.583	0.00	0.06	0.231	0					4.01
22.667	0.00	0.06	0.230	0					4.00

22.750	0.00	0.06	0.230	0					4.00
22.833	0.00	0.06	0.230	0					3.99
22.917	0.00	0.06	0.229	0					3.99
23.000	0.00	0.06	0.229	0					3.98
23.083	0.00	0.06	0.228	0					3.98
23.167	0.00	0.06	0.228	0					3.97
23.250	0.00	0.06	0.228	0					3.97
23.333	0.00	0.06	0.227	0					3.96
23.417	0.00	0.06	0.227	0					3.96
23.500	0.00	0.06	0.226	0					3.95
23.583	0.00	0.06	0.226	0					3.94
23.667	0.00	0.06	0.226	0					3.94
23.750	0.00	0.06	0.225	0					3.93
23.833	0.00	0.06	0.225	0					3.93
23.917	0.00	0.06	0.225	0					3.92
24.000	0.00	0.06	0.224	0					3.92
24.083	0.00	0.06	0.224	0					3.91
24.167	0.00	0.06	0.223	0					3.91
24.250	0.00	0.06	0.223	0					3.90
24.333	0.00	0.06	0.223	0					3.90
24.417	0.00	0.06	0.222	0					3.89
24.500	0.00	0.06	0.222	0					3.88
24.583	0.00	0.06	0.222	0					3.88
24.667	0.00	0.05	0.221	0					3.87
24.750	0.00	0.05	0.221	0					3.87
24.833	0.00	0.05	0.220	0					3.86
24.917	0.00	0.05	0.220	0					3.86
25.000	0.00	0.05	0.220	0					3.85
25.083	0.00	0.05	0.219	0					3.85
25.167	0.00	0.05	0.219	0					3.84
25.250	0.00	0.05	0.219	0					3.84
25.333	0.00	0.05	0.218	0					3.83
25.417	0.00	0.05	0.218	0					3.82
25.500	0.00	0.05	0.217	0					3.82
25.583	0.00	0.05	0.217	0					3.81
25.667	0.00	0.05	0.217	0					3.81
25.750	0.00	0.05	0.216	0					3.80
25.833	0.00	0.05	0.216	0					3.80
25.917	0.00	0.05	0.215	0					3.79
26.000	0.00	0.05	0.215	0					3.79
26.083	0.00	0.05	0.215	0					3.78
26.167	0.00	0.05	0.214	0					3.78
26.250	0.00	0.05	0.214	0					3.77
26.333	0.00	0.05	0.214	0					3.77
26.417	0.00	0.05	0.213	0					3.76
26.500	0.00	0.05	0.213	0					3.76
26.583	0.00	0.05	0.213	0					3.75
26.667	0.00	0.05	0.212	0					3.74
26.750	0.00	0.05	0.212	0					3.74
26.833	0.00	0.05	0.211	0					3.73

26.917	0.00	0.05	0.211	0					3.73
27.000	0.00	0.05	0.211	0					3.72
27.083	0.00	0.05	0.210	0					3.72
27.167	0.00	0.05	0.210	0					3.71
27.250	0.00	0.05	0.210	0					3.71
27.333	0.00	0.05	0.209	0					3.70
27.417	0.00	0.05	0.209	0					3.70
27.500	0.00	0.05	0.208	0					3.69
27.583	0.00	0.05	0.208	0					3.69
27.667	0.00	0.05	0.208	0					3.68
27.750	0.00	0.05	0.207	0					3.68
27.833	0.00	0.05	0.207	0					3.67
27.917	0.00	0.05	0.207	0					3.67
28.000	0.00	0.05	0.206	0					3.66
28.083	0.00	0.05	0.206	0					3.66
28.167	0.00	0.05	0.206	0					3.65
28.250	0.00	0.05	0.205	0					3.64
28.333	0.00	0.05	0.205	0					3.64
28.417	0.00	0.05	0.204	0					3.63
28.500	0.00	0.05	0.204	0					3.63
28.583	0.00	0.05	0.204	0					3.62
28.667	0.00	0.05	0.203	0					3.62
28.750	0.00	0.05	0.203	0					3.61
28.833	0.00	0.05	0.203	0					3.61
28.917	0.00	0.05	0.202	0					3.60
29.000	0.00	0.05	0.202	0					3.60
29.083	0.00	0.05	0.201	0					3.59
29.167	0.00	0.05	0.201	0					3.59
29.250	0.00	0.05	0.201	0					3.58
29.333	0.00	0.05	0.200	0					3.58
29.417	0.00	0.05	0.200	0					3.57
29.500	0.00	0.05	0.200	0					3.57
29.583	0.00	0.05	0.199	0					3.56
29.667	0.00	0.05	0.199	0					3.56
29.750	0.00	0.05	0.199	0					3.55
29.833	0.00	0.05	0.198	0					3.55
29.917	0.00	0.05	0.198	0					3.54
30.000	0.00	0.05	0.198	0					3.54
30.083	0.00	0.05	0.197	0					3.53
30.167	0.00	0.05	0.197	0					3.53
30.250	0.00	0.05	0.196	0					3.52
30.333	0.00	0.05	0.196	0					3.52
30.417	0.00	0.05	0.196	0					3.51
30.500	0.00	0.05	0.195	0					3.51
30.583	0.00	0.05	0.195	0					3.50
30.667	0.00	0.05	0.195	0					3.49
30.750	0.00	0.05	0.194	0					3.49
30.833	0.00	0.05	0.194	0					3.48
30.917	0.00	0.05	0.194	0					3.48
31.000	0.00	0.05	0.193	0					3.47

31.083	0.00	0.05	0.193	0					3.47
31.167	0.00	0.05	0.192	0					3.46
31.250	0.00	0.05	0.192	0					3.46
31.333	0.00	0.05	0.192	0					3.45
31.417	0.00	0.05	0.191	0					3.45
31.500	0.00	0.05	0.191	0					3.44
31.583	0.00	0.05	0.191	0					3.44
31.667	0.00	0.05	0.190	0					3.43
31.750	0.00	0.05	0.190	0					3.43
31.833	0.00	0.05	0.190	0					3.42
31.917	0.00	0.05	0.189	0					3.42
32.000	0.00	0.05	0.189	0					3.41
32.083	0.00	0.05	0.189	0					3.41
32.167	0.00	0.05	0.188	0					3.40
32.250	0.00	0.05	0.188	0					3.40
32.333	0.00	0.05	0.188	0					3.39
32.417	0.00	0.05	0.187	0					3.39
32.500	0.00	0.05	0.187	0					3.38
32.583	0.00	0.05	0.186	0					3.38
32.667	0.00	0.05	0.186	0					3.37
32.750	0.00	0.05	0.186	0					3.37
32.833	0.00	0.05	0.185	0					3.36
32.917	0.00	0.05	0.185	0					3.36
33.000	0.00	0.05	0.185	0					3.35
33.083	0.00	0.05	0.184	0					3.35
33.167	0.00	0.05	0.184	0					3.34
33.250	0.00	0.05	0.184	0					3.34
33.333	0.00	0.05	0.183	0					3.33
33.417	0.00	0.05	0.183	0					3.33
33.500	0.00	0.05	0.183	0					3.32
33.583	0.00	0.05	0.182	0					3.32
33.667	0.00	0.05	0.182	0					3.31
33.750	0.00	0.05	0.182	0					3.31
33.833	0.00	0.05	0.181	0					3.30
33.917	0.00	0.05	0.181	0					3.30
34.000	0.00	0.05	0.181	0					3.29
34.083	0.00	0.05	0.180	0					3.29
34.167	0.00	0.05	0.180	0					3.28
34.250	0.00	0.05	0.180	0					3.28
34.333	0.00	0.05	0.179	0					3.27
34.417	0.00	0.05	0.179	0					3.27
34.500	0.00	0.05	0.178	0					3.26
34.583	0.00	0.05	0.178	0					3.26
34.667	0.00	0.05	0.178	0					3.25
34.750	0.00	0.05	0.177	0					3.25
34.833	0.00	0.05	0.177	0					3.24
34.917	0.00	0.05	0.177	0					3.24
35.000	0.00	0.05	0.176	0					3.23
35.083	0.00	0.05	0.176	0					3.23
35.167	0.00	0.05	0.176	0					3.22

35.250	0.00	0.05	0.175	0					3.22
35.333	0.00	0.05	0.175	0					3.21
35.417	0.00	0.05	0.175	0					3.21
35.500	0.00	0.05	0.174	0					3.20
35.583	0.00	0.05	0.174	0					3.20
35.667	0.00	0.05	0.174	0					3.20
35.750	0.00	0.05	0.173	0					3.19
35.833	0.00	0.05	0.173	0					3.19
35.917	0.00	0.05	0.173	0					3.18
36.000	0.00	0.05	0.172	0					3.18
36.083	0.00	0.05	0.172	0					3.17
36.167	0.00	0.05	0.172	0					3.17
36.250	0.00	0.05	0.171	0					3.16
36.333	0.00	0.05	0.171	0					3.16
36.417	0.00	0.05	0.171	0					3.15
36.500	0.00	0.05	0.170	0					3.15
36.583	0.00	0.05	0.170	0					3.14
36.667	0.00	0.05	0.170	0					3.14
36.750	0.00	0.05	0.169	0					3.13
36.833	0.00	0.05	0.169	0					3.13
36.917	0.00	0.05	0.169	0					3.12
37.000	0.00	0.05	0.168	0					3.12
37.083	0.00	0.05	0.168	0					3.11
37.167	0.00	0.05	0.168	0					3.11
37.250	0.00	0.05	0.167	0					3.10
37.333	0.00	0.05	0.167	0					3.10
37.417	0.00	0.05	0.167	0					3.09
37.500	0.00	0.05	0.166	0					3.09
37.583	0.00	0.05	0.166	0					3.08
37.667	0.00	0.05	0.166	0					3.08
37.750	0.00	0.05	0.165	0					3.07
37.833	0.00	0.05	0.165	0					3.07
37.917	0.00	0.05	0.165	0					3.06
38.000	0.00	0.05	0.164	0					3.06
38.083	0.00	0.05	0.164	0					3.06
38.167	0.00	0.05	0.164	0					3.05
38.250	0.00	0.05	0.163	0					3.05
38.333	0.00	0.05	0.163	0					3.04
38.417	0.00	0.05	0.163	0					3.04
38.500	0.00	0.05	0.162	0					3.03
38.583	0.00	0.05	0.162	0					3.03
38.667	0.00	0.05	0.162	0					3.02
38.750	0.00	0.05	0.161	0					3.02
38.833	0.00	0.05	0.161	0					3.01
38.917	0.00	0.05	0.161	0					3.01
39.000	0.00	0.05	0.160	0					3.00
39.083	0.00	0.05	0.160	0					3.00
39.167	0.00	0.05	0.160	0					2.99
39.250	0.00	0.05	0.159	0					2.99
39.333	0.00	0.05	0.159	0					2.98

39.417	0.00	0.05	0.159	0					2.98
39.500	0.00	0.05	0.158	0					2.97
39.583	0.00	0.05	0.158	0					2.97
39.667	0.00	0.05	0.158	0					2.96
39.750	0.00	0.05	0.157	0					2.96
39.833	0.00	0.05	0.157	0					2.95
39.917	0.00	0.05	0.157	0					2.95
40.000	0.00	0.05	0.156	0					2.95
40.083	0.00	0.05	0.156	0					2.94
40.167	0.00	0.05	0.156	0					2.94
40.250	0.00	0.05	0.155	0					2.93
40.333	0.00	0.05	0.155	0					2.93
40.417	0.00	0.05	0.155	0					2.92
40.500	0.00	0.05	0.154	0					2.92
40.583	0.00	0.05	0.154	0					2.91
40.667	0.00	0.05	0.154	0					2.91
40.750	0.00	0.05	0.153	0					2.90
40.833	0.00	0.05	0.153	0					2.90
40.917	0.00	0.05	0.153	0					2.89
41.000	0.00	0.05	0.152	0					2.89
41.083	0.00	0.05	0.152	0					2.88
41.167	0.00	0.05	0.152	0					2.88
41.250	0.00	0.05	0.151	0					2.87
41.333	0.00	0.05	0.151	0					2.87
41.417	0.00	0.05	0.151	0					2.86
41.500	0.00	0.05	0.150	0					2.86
41.583	0.00	0.05	0.150	0					2.85
41.667	0.00	0.05	0.150	0					2.85
41.750	0.00	0.05	0.149	0					2.85
41.833	0.00	0.05	0.149	0					2.84
41.917	0.00	0.05	0.149	0					2.84
42.000	0.00	0.05	0.149	0					2.83
42.083	0.00	0.05	0.148	0					2.83
42.167	0.00	0.05	0.148	0					2.82
42.250	0.00	0.05	0.148	0					2.82
42.333	0.00	0.05	0.147	0					2.81
42.417	0.00	0.05	0.147	0					2.81
42.500	0.00	0.05	0.147	0					2.80
42.583	0.00	0.05	0.146	0					2.80
42.667	0.00	0.05	0.146	0					2.79
42.750	0.00	0.05	0.146	0					2.79
42.833	0.00	0.05	0.145	0					2.78
42.917	0.00	0.05	0.145	0					2.78
43.000	0.00	0.05	0.145	0					2.77
43.083	0.00	0.05	0.144	0					2.77
43.167	0.00	0.05	0.144	0					2.77
43.250	0.00	0.05	0.144	0					2.76
43.333	0.00	0.05	0.143	0					2.76
43.417	0.00	0.05	0.143	0					2.75
43.500	0.00	0.05	0.143	0					2.75

43.583	0.00	0.05	0.142	0					2.74
43.667	0.00	0.05	0.142	0					2.74
43.750	0.00	0.05	0.142	0					2.73
43.833	0.00	0.05	0.142	0					2.73
43.917	0.00	0.05	0.141	0					2.72
44.000	0.00	0.05	0.141	0					2.72
44.083	0.00	0.05	0.141	0					2.71
44.167	0.00	0.05	0.140	0					2.71
44.250	0.00	0.05	0.140	0					2.71
44.333	0.00	0.05	0.140	0					2.70
44.417	0.00	0.05	0.139	0					2.70
44.500	0.00	0.05	0.139	0					2.69
44.583	0.00	0.05	0.139	0					2.69
44.667	0.00	0.05	0.138	0					2.68
44.750	0.00	0.05	0.138	0					2.68
44.833	0.00	0.05	0.138	0					2.67
44.917	0.00	0.05	0.137	0					2.67
45.000	0.00	0.04	0.137	0					2.66
45.083	0.00	0.04	0.137	0					2.66
45.167	0.00	0.04	0.137	0					2.66
45.250	0.00	0.04	0.136	0					2.65
45.333	0.00	0.04	0.136	0					2.65
45.417	0.00	0.04	0.136	0					2.64
45.500	0.00	0.04	0.135	0					2.64
45.583	0.00	0.04	0.135	0					2.63
45.667	0.00	0.04	0.135	0					2.63
45.750	0.00	0.04	0.134	0					2.62
45.833	0.00	0.04	0.134	0					2.62
45.917	0.00	0.04	0.134	0					2.61
46.000	0.00	0.04	0.133	0					2.61
46.083	0.00	0.04	0.133	0					2.61
46.167	0.00	0.04	0.133	0					2.60
46.250	0.00	0.04	0.133	0					2.60
46.333	0.00	0.04	0.132	0					2.59
46.417	0.00	0.04	0.132	0					2.59
46.500	0.00	0.04	0.132	0					2.58
46.583	0.00	0.04	0.131	0					2.58
46.667	0.00	0.04	0.131	0					2.57
46.750	0.00	0.04	0.131	0					2.57
46.833	0.00	0.04	0.130	0					2.57
46.917	0.00	0.04	0.130	0					2.56
47.000	0.00	0.04	0.130	0					2.56
47.083	0.00	0.04	0.130	0					2.55
47.167	0.00	0.04	0.129	0					2.55
47.250	0.00	0.04	0.129	0					2.54
47.333	0.00	0.04	0.129	0					2.54
47.417	0.00	0.04	0.128	0					2.53
47.500	0.00	0.04	0.128	0					2.53
47.583	0.00	0.04	0.128	0					2.53
47.667	0.00	0.04	0.127	0					2.52

47.750	0.00	0.04	0.127	0					2.52
47.833	0.00	0.04	0.127	0					2.51
47.917	0.00	0.04	0.127	0					2.51
48.000	0.00	0.04	0.126	0					2.50
48.083	0.00	0.04	0.126	0					2.50
48.167	0.00	0.04	0.126	0					2.49
48.250	0.00	0.04	0.125	0					2.49
48.333	0.00	0.04	0.125	0					2.49
48.417	0.00	0.04	0.125	0					2.48
48.500	0.00	0.04	0.124	0					2.48
48.583	0.00	0.04	0.124	0					2.47
48.667	0.00	0.04	0.124	0					2.47
48.750	0.00	0.04	0.124	0					2.46
48.833	0.00	0.04	0.123	0					2.46
48.917	0.00	0.04	0.123	0					2.45
49.000	0.00	0.04	0.123	0					2.45
49.083	0.00	0.04	0.122	0					2.45
49.167	0.00	0.04	0.122	0					2.44
49.250	0.00	0.04	0.122	0					2.44
49.333	0.00	0.04	0.121	0					2.43
49.417	0.00	0.04	0.121	0					2.43
49.500	0.00	0.04	0.121	0					2.42
49.583	0.00	0.04	0.121	0					2.42
49.667	0.00	0.04	0.120	0					2.42
49.750	0.00	0.04	0.120	0					2.41
49.833	0.00	0.04	0.120	0					2.41
49.917	0.00	0.04	0.119	0					2.40
50.000	0.00	0.04	0.119	0					2.40
50.083	0.00	0.04	0.119	0					2.39
50.167	0.00	0.04	0.119	0					2.39
50.250	0.00	0.04	0.118	0					2.39
50.333	0.00	0.04	0.118	0					2.38
50.417	0.00	0.04	0.118	0					2.38
50.500	0.00	0.04	0.117	0					2.37
50.583	0.00	0.04	0.117	0					2.37
50.667	0.00	0.04	0.117	0					2.36
50.750	0.00	0.04	0.116	0					2.36
50.833	0.00	0.04	0.116	0					2.36
50.917	0.00	0.04	0.116	0					2.35
51.000	0.00	0.04	0.116	0					2.35
51.083	0.00	0.04	0.115	0					2.34
51.167	0.00	0.04	0.115	0					2.34
51.250	0.00	0.04	0.115	0					2.33
51.333	0.00	0.04	0.114	0					2.33
51.417	0.00	0.04	0.114	0					2.33
51.500	0.00	0.04	0.114	0					2.32
51.583	0.00	0.04	0.114	0					2.32
51.667	0.00	0.04	0.113	0					2.31
51.750	0.00	0.04	0.113	0					2.31
51.833	0.00	0.04	0.113	0					2.30

51.917	0.00	0.04	0.112	0					2.30
52.000	0.00	0.04	0.112	0					2.30
52.083	0.00	0.04	0.112	0					2.29
52.167	0.00	0.04	0.112	0					2.29
52.250	0.00	0.04	0.111	0					2.28
52.333	0.00	0.04	0.111	0					2.28
52.417	0.00	0.04	0.111	0					2.27
52.500	0.00	0.04	0.110	0					2.27
52.583	0.00	0.04	0.110	0					2.27
52.667	0.00	0.04	0.110	0					2.26
52.750	0.00	0.04	0.110	0					2.26
52.833	0.00	0.04	0.109	0					2.25
52.917	0.00	0.04	0.109	0					2.25
53.000	0.00	0.04	0.109	0					2.25
53.083	0.00	0.04	0.108	0					2.24
53.167	0.00	0.04	0.108	0					2.24
53.250	0.00	0.04	0.108	0					2.23
53.333	0.00	0.04	0.108	0					2.23
53.417	0.00	0.04	0.107	0					2.22
53.500	0.00	0.04	0.107	0					2.22
53.583	0.00	0.04	0.107	0					2.22
53.667	0.00	0.04	0.106	0					2.21
53.750	0.00	0.04	0.106	0					2.21
53.833	0.00	0.04	0.106	0					2.20
53.917	0.00	0.04	0.106	0					2.20
54.000	0.00	0.04	0.105	0					2.20
54.083	0.00	0.04	0.105	0					2.19
54.167	0.00	0.04	0.105	0					2.19
54.250	0.00	0.04	0.104	0					2.18
54.333	0.00	0.04	0.104	0					2.18
54.417	0.00	0.04	0.104	0					2.18
54.500	0.00	0.04	0.104	0					2.17
54.583	0.00	0.04	0.103	0					2.17
54.667	0.00	0.04	0.103	0					2.16
54.750	0.00	0.04	0.103	0					2.16
54.833	0.00	0.04	0.103	0					2.15
54.917	0.00	0.04	0.102	0					2.15
55.000	0.00	0.04	0.102	0					2.15
55.083	0.00	0.04	0.102	0					2.14
55.167	0.00	0.04	0.101	0					2.14
55.250	0.00	0.04	0.101	0					2.13
55.333	0.00	0.04	0.101	0					2.13
55.417	0.00	0.04	0.101	0					2.13
55.500	0.00	0.04	0.100	0					2.12
55.583	0.00	0.04	0.100	0					2.12
55.667	0.00	0.04	0.100	0					2.11
55.750	0.00	0.04	0.099	0					2.11
55.833	0.00	0.04	0.099	0					2.11
55.917	0.00	0.04	0.099	0					2.10
56.000	0.00	0.04	0.099	0					2.10

56.083	0.00	0.04	0.098	0					2.09
56.167	0.00	0.04	0.098	0					2.09
56.250	0.00	0.04	0.098	0					2.09
56.333	0.00	0.04	0.098	0					2.08
56.417	0.00	0.04	0.097	0					2.08
56.500	0.00	0.04	0.097	0					2.07
56.583	0.00	0.04	0.097	0					2.07
56.667	0.00	0.04	0.096	0					2.07
56.750	0.00	0.04	0.096	0					2.06
56.833	0.00	0.04	0.096	0					2.06
56.917	0.00	0.04	0.096	0					2.05
57.000	0.00	0.04	0.095	0					2.05
57.083	0.00	0.04	0.095	0					2.05
57.167	0.00	0.04	0.095	0					2.04
57.250	0.00	0.04	0.095	0					2.04
57.333	0.00	0.04	0.094	0					2.03
57.417	0.00	0.04	0.094	0					2.03
57.500	0.00	0.04	0.094	0					2.03
57.583	0.00	0.04	0.093	0					2.02
57.667	0.00	0.04	0.093	0					2.02
57.750	0.00	0.04	0.093	0					2.01
57.833	0.00	0.04	0.093	0					2.01
57.917	0.00	0.04	0.092	0					2.01
58.000	0.00	0.04	0.092	0					2.00
58.083	0.00	0.04	0.092	0					2.00
58.167	0.00	0.04	0.092	0					1.99
58.250	0.00	0.04	0.091	0					1.99
58.333	0.00	0.04	0.091	0					1.98
58.417	0.00	0.04	0.091	0					1.98
58.500	0.00	0.04	0.091	0					1.97
58.583	0.00	0.04	0.090	0					1.97
58.667	0.00	0.04	0.090	0					1.96
58.750	0.00	0.04	0.090	0					1.96
58.833	0.00	0.04	0.089	0					1.96
58.917	0.00	0.04	0.089	0					1.95
59.000	0.00	0.04	0.089	0					1.95
59.083	0.00	0.04	0.089	0					1.94
59.167	0.00	0.04	0.088	0					1.94
59.250	0.00	0.04	0.088	0					1.93
59.333	0.00	0.04	0.088	0					1.93
59.417	0.00	0.04	0.088	0					1.92
59.500	0.00	0.04	0.087	0					1.92
59.583	0.00	0.04	0.087	0					1.91
59.667	0.00	0.04	0.087	0					1.91
59.750	0.00	0.04	0.087	0					1.90
59.833	0.00	0.04	0.086	0					1.90
59.917	0.00	0.04	0.086	0					1.90
60.000	0.00	0.04	0.086	0					1.89
60.083	0.00	0.04	0.086	0					1.89
60.167	0.00	0.04	0.085	0					1.88

60.250	0.00	0.04	0.085	0					1.88
60.333	0.00	0.04	0.085	0					1.87
60.417	0.00	0.04	0.084	0					1.87
60.500	0.00	0.04	0.084	0					1.86
60.583	0.00	0.04	0.084	0					1.86
60.667	0.00	0.04	0.084	0					1.85
60.750	0.00	0.04	0.083	0					1.85
60.833	0.00	0.04	0.083	0					1.85
60.917	0.00	0.04	0.083	0					1.84
61.000	0.00	0.04	0.083	0					1.84
61.083	0.00	0.04	0.082	0					1.83
61.167	0.00	0.04	0.082	0					1.83
61.250	0.00	0.04	0.082	0					1.82
61.333	0.00	0.04	0.082	0					1.82
61.417	0.00	0.04	0.081	0					1.81
61.500	0.00	0.04	0.081	0					1.81
61.583	0.00	0.04	0.081	0					1.81
61.667	0.00	0.04	0.081	0					1.80
61.750	0.00	0.04	0.080	0					1.80
61.833	0.00	0.04	0.080	0					1.79
61.917	0.00	0.04	0.080	0					1.79
62.000	0.00	0.04	0.080	0					1.78
62.083	0.00	0.04	0.079	0					1.78
62.167	0.00	0.04	0.079	0					1.77
62.250	0.00	0.04	0.079	0					1.77
62.333	0.00	0.04	0.079	0					1.77
62.417	0.00	0.04	0.078	0					1.76
62.500	0.00	0.04	0.078	0					1.76
62.583	0.00	0.04	0.078	0					1.75
62.667	0.00	0.04	0.078	0					1.75
62.750	0.00	0.04	0.077	0					1.74
62.833	0.00	0.04	0.077	0					1.74
62.917	0.00	0.04	0.077	0					1.73
63.000	0.00	0.04	0.077	0					1.73
63.083	0.00	0.04	0.076	0					1.73
63.167	0.00	0.04	0.076	0					1.72
63.250	0.00	0.04	0.076	0					1.72
63.333	0.00	0.04	0.076	0					1.71
63.417	0.00	0.04	0.075	0					1.71
63.500	0.00	0.04	0.075	0					1.70
63.583	0.00	0.04	0.075	0					1.70
63.667	0.00	0.04	0.075	0					1.70
63.750	0.00	0.04	0.074	0					1.69
63.833	0.00	0.04	0.074	0					1.69
63.917	0.00	0.04	0.074	0					1.68
64.000	0.00	0.04	0.074	0					1.68
64.083	0.00	0.04	0.073	0					1.67
64.167	0.00	0.04	0.073	0					1.67
64.250	0.00	0.04	0.073	0					1.67
64.333	0.00	0.04	0.073	0					1.66

64.417	0.00	0.04	0.072	0					1.66
64.500	0.00	0.04	0.072	0					1.65
64.583	0.00	0.04	0.072	0					1.65
64.667	0.00	0.04	0.072	0					1.64
64.750	0.00	0.04	0.071	0					1.64
64.833	0.00	0.03	0.071	0					1.64
64.917	0.00	0.03	0.071	0					1.63
65.000	0.00	0.03	0.071	0					1.63
65.083	0.00	0.03	0.071	0					1.62
65.167	0.00	0.03	0.070	0					1.62
65.250	0.00	0.03	0.070	0					1.61
65.333	0.00	0.03	0.070	0					1.61
65.417	0.00	0.03	0.070	0					1.61
65.500	0.00	0.03	0.069	0					1.60
65.583	0.00	0.03	0.069	0					1.60
65.667	0.00	0.03	0.069	0					1.59
65.750	0.00	0.03	0.069	0					1.59
65.833	0.00	0.03	0.068	0					1.59
65.917	0.00	0.03	0.068	0					1.58
66.000	0.00	0.03	0.068	0					1.58
66.083	0.00	0.03	0.068	0					1.57
66.167	0.00	0.03	0.067	0					1.57
66.250	0.00	0.03	0.067	0					1.56
66.333	0.00	0.03	0.067	0					1.56
66.417	0.00	0.03	0.067	0					1.56
66.500	0.00	0.03	0.066	0					1.55
66.583	0.00	0.03	0.066	0					1.55
66.667	0.00	0.03	0.066	0					1.54
66.750	0.00	0.03	0.066	0					1.54
66.833	0.00	0.03	0.066	0					1.54
66.917	0.00	0.03	0.065	0					1.53
67.000	0.00	0.03	0.065	0					1.53
67.083	0.00	0.03	0.065	0					1.52
67.167	0.00	0.03	0.065	0					1.52
67.250	0.00	0.03	0.064	0					1.52
67.333	0.00	0.03	0.064	0					1.51
67.417	0.00	0.03	0.064	0					1.51
67.500	0.00	0.03	0.064	0					1.50
67.583	0.00	0.03	0.063	0					1.50
67.667	0.00	0.03	0.063	0					1.50
67.750	0.00	0.03	0.063	0					1.49
67.833	0.00	0.03	0.063	0					1.49
67.917	0.00	0.03	0.063	0					1.48
68.000	0.00	0.03	0.062	0					1.48
68.083	0.00	0.03	0.062	0					1.48
68.167	0.00	0.03	0.062	0					1.47
68.250	0.00	0.03	0.062	0					1.47
68.333	0.00	0.03	0.061	0					1.46
68.417	0.00	0.03	0.061	0					1.46
68.500	0.00	0.03	0.061	0					1.46

68.583	0.00	0.03	0.061	0					1.45
68.667	0.00	0.03	0.060	0					1.45
68.750	0.00	0.03	0.060	0					1.44
68.833	0.00	0.03	0.060	0					1.44
68.917	0.00	0.03	0.060	0					1.44
69.000	0.00	0.03	0.060	0					1.43
69.083	0.00	0.03	0.059	0					1.43
69.167	0.00	0.03	0.059	0					1.42
69.250	0.00	0.03	0.059	0					1.42
69.333	0.00	0.03	0.059	0					1.42
69.417	0.00	0.03	0.058	0					1.41
69.500	0.00	0.03	0.058	0					1.41
69.583	0.00	0.03	0.058	0					1.40
69.667	0.00	0.03	0.058	0					1.40
69.750	0.00	0.03	0.058	0					1.40
69.833	0.00	0.03	0.057	0					1.39
69.917	0.00	0.03	0.057	0					1.39
70.000	0.00	0.03	0.057	0					1.38
70.083	0.00	0.03	0.057	0					1.38
70.167	0.00	0.03	0.056	0					1.38
70.250	0.00	0.03	0.056	0					1.37
70.333	0.00	0.03	0.056	0					1.37
70.417	0.00	0.03	0.056	0					1.36
70.500	0.00	0.03	0.056	0					1.36
70.583	0.00	0.03	0.055	0					1.36
70.667	0.00	0.03	0.055	0					1.35
70.750	0.00	0.03	0.055	0					1.35
70.833	0.00	0.03	0.055	0					1.35
70.917	0.00	0.03	0.054	0					1.34
71.000	0.00	0.03	0.054	0					1.34
71.083	0.00	0.03	0.054	0					1.33
71.167	0.00	0.03	0.054	0					1.33
71.250	0.00	0.03	0.054	0					1.33
71.333	0.00	0.03	0.053	0					1.32
71.417	0.00	0.03	0.053	0					1.32
71.500	0.00	0.03	0.053	0					1.32
71.583	0.00	0.03	0.053	0					1.31
71.667	0.00	0.03	0.053	0					1.31
71.750	0.00	0.03	0.052	0					1.30
71.833	0.00	0.03	0.052	0					1.30
71.917	0.00	0.03	0.052	0					1.30
72.000	0.00	0.03	0.052	0					1.29
72.083	0.00	0.03	0.051	0					1.29
72.167	0.00	0.03	0.051	0					1.28
72.250	0.00	0.03	0.051	0					1.28
72.333	0.00	0.03	0.051	0					1.28
72.417	0.00	0.03	0.051	0					1.27
72.500	0.00	0.03	0.050	0					1.27
72.583	0.00	0.03	0.050	0					1.27
72.667	0.00	0.03	0.050	0					1.26

72.750	0.00	0.03	0.050	0					1.26
72.833	0.00	0.03	0.050	0					1.25
72.917	0.00	0.03	0.049	0					1.25
73.000	0.00	0.03	0.049	0					1.25
73.083	0.00	0.03	0.049	0					1.24
73.167	0.00	0.03	0.049	0					1.24
73.250	0.00	0.03	0.048	0					1.24
73.333	0.00	0.03	0.048	0					1.23
73.417	0.00	0.03	0.048	0					1.23
73.500	0.00	0.03	0.048	0					1.23
73.583	0.00	0.03	0.048	0					1.22
73.667	0.00	0.03	0.047	0					1.22
73.750	0.00	0.03	0.047	0					1.21
73.833	0.00	0.03	0.047	0					1.21
73.917	0.00	0.03	0.047	0					1.21
74.000	0.00	0.03	0.047	0					1.20
74.083	0.00	0.03	0.046	0					1.20
74.167	0.00	0.03	0.046	0					1.20
74.250	0.00	0.03	0.046	0					1.19
74.333	0.00	0.03	0.046	0					1.19
74.417	0.00	0.03	0.046	0					1.19
74.500	0.00	0.03	0.045	0					1.18
74.583	0.00	0.03	0.045	0					1.18
74.667	0.00	0.03	0.045	0					1.17
74.750	0.00	0.03	0.045	0					1.17
74.833	0.00	0.03	0.045	0					1.17
74.917	0.00	0.03	0.044	0					1.16
75.000	0.00	0.03	0.044	0					1.16
75.083	0.00	0.03	0.044	0					1.16
75.167	0.00	0.03	0.044	0					1.15
75.250	0.00	0.03	0.043	0					1.15
75.333	0.00	0.03	0.043	0					1.15
75.417	0.00	0.03	0.043	0					1.14
75.500	0.00	0.03	0.043	0					1.14
75.583	0.00	0.03	0.043	0					1.13
75.667	0.00	0.03	0.042	0					1.13
75.750	0.00	0.03	0.042	0					1.13
75.833	0.00	0.03	0.042	0					1.12
75.917	0.00	0.03	0.042	0					1.12
76.000	0.00	0.03	0.042	0					1.12
76.083	0.00	0.03	0.041	0					1.11
76.167	0.00	0.03	0.041	0					1.11
76.250	0.00	0.03	0.041	0					1.11
76.333	0.00	0.03	0.041	0					1.10
76.417	0.00	0.03	0.041	0					1.10
76.500	0.00	0.03	0.040	0					1.10
76.583	0.00	0.03	0.040	0					1.09
76.667	0.00	0.03	0.040	0					1.09
76.750	0.00	0.03	0.040	0					1.09
76.833	0.00	0.03	0.040	0					1.08

76.917	0.00	0.03	0.039	0					1.08
77.000	0.00	0.03	0.039	0					1.07
77.083	0.00	0.03	0.039	0					1.07
77.167	0.00	0.03	0.039	0					1.07
77.250	0.00	0.03	0.039	0					1.06
77.333	0.00	0.03	0.038	0					1.06
77.417	0.00	0.03	0.038	0					1.06
77.500	0.00	0.03	0.038	0					1.05
77.583	0.00	0.03	0.038	0					1.05
77.667	0.00	0.03	0.038	0					1.05
77.750	0.00	0.03	0.037	0					1.04
77.833	0.00	0.03	0.037	0					1.04
77.917	0.00	0.03	0.037	0					1.04
78.000	0.00	0.03	0.037	0					1.03
78.083	0.00	0.03	0.037	0					1.03
78.167	0.00	0.03	0.037	0					1.03
78.250	0.00	0.03	0.036	0					1.02
78.333	0.00	0.03	0.036	0					1.02
78.417	0.00	0.03	0.036	0					1.02
78.500	0.00	0.03	0.036	0					1.01
78.583	0.00	0.03	0.036	0					1.01
78.667	0.00	0.03	0.035	0					1.01
78.750	0.00	0.03	0.035	0					1.00
78.833	0.00	0.03	0.035	0					1.00
78.917	0.00	0.03	0.035	0					0.99
79.000	0.00	0.03	0.035	0					0.99
79.083	0.00	0.03	0.034	0					0.98
79.167	0.00	0.03	0.034	0					0.98
79.250	0.00	0.03	0.034	0					0.97
79.333	0.00	0.03	0.034	0					0.97
79.417	0.00	0.03	0.034	0					0.96
79.500	0.00	0.03	0.033	0					0.96
79.583	0.00	0.03	0.033	0					0.95
79.667	0.00	0.03	0.033	0					0.95
79.750	0.00	0.03	0.033	0					0.94
79.833	0.00	0.03	0.033	0					0.94
79.917	0.00	0.03	0.033	0					0.93
80.000	0.00	0.03	0.032	0					0.93
80.083	0.00	0.03	0.032	0					0.92
80.167	0.00	0.03	0.032	0					0.92
80.250	0.00	0.03	0.032	0					0.91
80.333	0.00	0.03	0.032	0					0.91
80.417	0.00	0.03	0.031	0					0.90
80.500	0.00	0.03	0.031	0					0.90
80.583	0.00	0.03	0.031	0					0.89
80.667	0.00	0.03	0.031	0					0.89
80.750	0.00	0.03	0.031	0					0.88
80.833	0.00	0.03	0.031	0					0.88
80.917	0.00	0.02	0.030	0					0.87
81.000	0.00	0.02	0.030	0					0.87

81.083	0.00	0.02	0.030	0					0.87
81.167	0.00	0.02	0.030	0					0.86
81.250	0.00	0.02	0.030	0					0.86
81.333	0.00	0.02	0.030	0					0.85
81.417	0.00	0.02	0.029	0					0.85
81.500	0.00	0.02	0.029	0					0.84
81.583	0.00	0.02	0.029	0					0.84
81.667	0.00	0.02	0.029	0					0.83
81.750	0.00	0.02	0.029	0					0.83
81.833	0.00	0.02	0.029	0					0.82
81.917	0.00	0.02	0.028	0					0.82
82.000	0.00	0.02	0.028	0					0.82
82.083	0.00	0.02	0.028	0					0.81
82.167	0.00	0.02	0.028	0					0.81
82.250	0.00	0.02	0.028	0					0.80
82.333	0.00	0.02	0.028	0					0.80
82.417	0.00	0.02	0.027	0					0.79
82.500	0.00	0.02	0.027	0					0.79
82.583	0.00	0.02	0.027	0					0.79
82.667	0.00	0.02	0.027	0					0.78
82.750	0.00	0.02	0.027	0					0.78
82.833	0.00	0.02	0.027	0					0.77
82.917	0.00	0.02	0.027	0					0.77
83.000	0.00	0.02	0.026	0					0.76
83.083	0.00	0.02	0.026	0					0.76
83.167	0.00	0.02	0.026	0					0.76
83.250	0.00	0.02	0.026	0					0.75
83.333	0.00	0.02	0.026	0					0.75
83.417	0.00	0.02	0.026	0					0.74
83.500	0.00	0.02	0.025	0					0.74
83.583	0.00	0.02	0.025	0					0.74
83.667	0.00	0.02	0.025	0					0.73
83.750	0.00	0.02	0.025	0					0.73
83.833	0.00	0.02	0.025	0					0.72
83.917	0.00	0.02	0.025	0					0.72
84.000	0.00	0.02	0.025	0					0.72
84.083	0.00	0.02	0.024	0					0.71
84.167	0.00	0.02	0.024	0					0.71
84.250	0.00	0.02	0.024	0					0.70
84.333	0.00	0.02	0.024	0					0.70
84.417	0.00	0.02	0.024	0					0.70
84.500	0.00	0.02	0.024	0					0.69
84.583	0.00	0.02	0.024	0					0.69
84.667	0.00	0.02	0.023	0					0.68
84.750	0.00	0.02	0.023	0					0.68
84.833	0.00	0.02	0.023	0					0.68
84.917	0.00	0.02	0.023	0					0.67
85.000	0.00	0.02	0.023	0					0.67
85.083	0.00	0.02	0.023	0					0.67
85.167	0.00	0.02	0.023	0					0.66

85.250	0.00	0.02	0.022	0					0.66
85.333	0.00	0.02	0.022	0					0.65
85.417	0.00	0.02	0.022	0					0.65
85.500	0.00	0.02	0.022	0					0.65
85.583	0.00	0.02	0.022	0					0.64
85.667	0.00	0.02	0.022	0					0.64
85.750	0.00	0.02	0.022	0					0.64
85.833	0.00	0.02	0.022	0					0.63
85.917	0.00	0.02	0.021	0					0.63
86.000	0.00	0.02	0.021	0					0.63
86.083	0.00	0.02	0.021	0					0.62
86.167	0.00	0.02	0.021	0					0.62
86.250	0.00	0.02	0.021	0					0.62
86.333	0.00	0.02	0.021	0					0.61
86.417	0.00	0.02	0.021	0					0.61
86.500	0.00	0.02	0.021	0					0.60
86.583	0.00	0.02	0.020	0					0.60
86.667	0.00	0.02	0.020	0					0.60
86.750	0.00	0.02	0.020	0					0.59
86.833	0.00	0.02	0.020	0					0.59
86.917	0.00	0.02	0.020	0					0.59
87.000	0.00	0.02	0.020	0					0.58
87.083	0.00	0.02	0.020	0					0.58
87.167	0.00	0.02	0.020	0					0.58
87.250	0.00	0.02	0.019	0					0.57
87.333	0.00	0.02	0.019	0					0.57
87.417	0.00	0.02	0.019	0					0.57
87.500	0.00	0.02	0.019	0					0.56
87.583	0.00	0.02	0.019	0					0.56
87.667	0.00	0.02	0.019	0					0.56
87.750	0.00	0.02	0.019	0					0.55
87.833	0.00	0.02	0.019	0					0.55
87.917	0.00	0.02	0.018	0					0.55
88.000	0.00	0.02	0.018	0					0.55
88.083	0.00	0.02	0.018	0					0.54
88.167	0.00	0.02	0.018	0					0.54
88.250	0.00	0.02	0.018	0					0.54
88.333	0.00	0.02	0.018	0					0.53
88.417	0.00	0.02	0.018	0					0.53
88.500	0.00	0.02	0.018	0					0.53
88.583	0.00	0.02	0.018	0					0.52
88.667	0.00	0.02	0.017	0					0.52
88.750	0.00	0.02	0.017	0					0.52
88.833	0.00	0.02	0.017	0					0.51
88.917	0.00	0.02	0.017	0					0.51
89.000	0.00	0.02	0.017	0					0.51
89.083	0.00	0.02	0.017	0					0.51
89.167	0.00	0.02	0.017	0					0.50
89.250	0.00	0.02	0.017	0					0.50
89.333	0.00	0.02	0.017	0					0.50

89.417	0.00	0.02	0.016	0					0.49
89.500	0.00	0.02	0.016	0					0.49
89.583	0.00	0.02	0.016	0					0.49
89.667	0.00	0.02	0.016	0					0.48
89.750	0.00	0.02	0.016	0					0.48
89.833	0.00	0.02	0.016	0					0.48
89.917	0.00	0.02	0.016	0					0.48
90.000	0.00	0.02	0.016	0					0.47
90.083	0.00	0.02	0.016	0					0.47
90.167	0.00	0.01	0.015	0					0.47
90.250	0.00	0.01	0.015	0					0.46
90.333	0.00	0.01	0.015	0					0.46
90.417	0.00	0.01	0.015	0					0.46
90.500	0.00	0.01	0.015	0					0.46
90.583	0.00	0.01	0.015	0					0.45
90.667	0.00	0.01	0.015	0					0.45
90.750	0.00	0.01	0.015	0					0.45
90.833	0.00	0.01	0.015	0					0.45
90.917	0.00	0.01	0.015	0					0.44
91.000	0.00	0.01	0.014	0					0.44
91.083	0.00	0.01	0.014	0					0.44
91.167	0.00	0.01	0.014	0					0.43
91.250	0.00	0.01	0.014	0					0.43
91.333	0.00	0.01	0.014	0					0.43
91.417	0.00	0.01	0.014	0					0.43
91.500	0.00	0.01	0.014	0					0.42
91.583	0.00	0.01	0.014	0					0.42
91.667	0.00	0.01	0.014	0					0.42
91.750	0.00	0.01	0.014	0					0.42
91.833	0.00	0.01	0.014	0					0.41
91.917	0.00	0.01	0.013	0					0.41
92.000	0.00	0.01	0.013	0					0.41
92.083	0.00	0.01	0.013	0					0.41
92.167	0.00	0.01	0.013	0					0.40
92.250	0.00	0.01	0.013	0					0.40
92.333	0.00	0.01	0.013	0					0.40
92.417	0.00	0.01	0.013	0					0.40
92.500	0.00	0.01	0.013	0					0.39
92.583	0.00	0.01	0.013	0					0.39
92.667	0.00	0.01	0.013	0					0.39
92.750	0.00	0.01	0.012	0					0.39
92.833	0.00	0.01	0.012	0					0.38
92.917	0.00	0.01	0.012	0					0.38
93.000	0.00	0.01	0.012	0					0.38
93.083	0.00	0.01	0.012	0					0.38
93.167	0.00	0.01	0.012	0					0.37
93.250	0.00	0.01	0.012	0					0.37
93.333	0.00	0.01	0.012	0					0.37
93.417	0.00	0.01	0.012	0					0.37
93.500	0.00	0.01	0.012	0					0.36

93.583	0.00	0.01	0.012	0					0.36
93.667	0.00	0.01	0.012	0					0.36
93.750	0.00	0.01	0.011	0					0.36
93.833	0.00	0.01	0.011	0					0.36
93.917	0.00	0.01	0.011	0					0.35
94.000	0.00	0.01	0.011	0					0.35
94.083	0.00	0.01	0.011	0					0.35
94.167	0.00	0.01	0.011	0					0.35
94.250	0.00	0.01	0.011	0					0.34
94.333	0.00	0.01	0.011	0					0.34
94.417	0.00	0.01	0.011	0					0.34
94.500	0.00	0.01	0.011	0					0.34
94.583	0.00	0.01	0.011	0					0.34
94.667	0.00	0.01	0.011	0					0.33
94.750	0.00	0.01	0.010	0					0.33
94.833	0.00	0.01	0.010	0					0.33
94.917	0.00	0.01	0.010	0					0.33
95.000	0.00	0.01	0.010	0					0.32
95.083	0.00	0.01	0.010	0					0.32
95.167	0.00	0.01	0.010	0					0.32
95.250	0.00	0.01	0.010	0					0.32
95.333	0.00	0.01	0.010	0					0.32
95.417	0.00	0.01	0.010	0					0.31
95.500	0.00	0.01	0.010	0					0.31
95.583	0.00	0.01	0.010	0					0.31
95.667	0.00	0.01	0.010	0					0.31
95.750	0.00	0.01	0.010	0					0.31
95.833	0.00	0.01	0.009	0					0.30
95.917	0.00	0.01	0.009	0					0.30
96.000	0.00	0.01	0.009	0					0.30
96.083	0.00	0.01	0.009	0					0.30
96.167	0.00	0.01	0.009	0					0.29
96.250	0.00	0.01	0.009	0					0.29
96.333	0.00	0.01	0.009	0					0.29
96.417	0.00	0.01	0.009	0					0.29
96.500	0.00	0.01	0.009	0					0.29
96.583	0.00	0.01	0.009	0					0.28
96.667	0.00	0.01	0.009	0					0.28
96.750	0.00	0.01	0.009	0					0.28
96.833	0.00	0.01	0.009	0					0.28
96.917	0.00	0.01	0.008	0					0.28
97.000	0.00	0.01	0.008	0					0.28
97.083	0.00	0.01	0.008	0					0.27
97.167	0.00	0.01	0.008	0					0.27
97.250	0.00	0.01	0.008	0					0.27
97.333	0.00	0.01	0.008	0					0.27
97.417	0.00	0.01	0.008	0					0.27
97.500	0.00	0.01	0.008	0					0.26
97.583	0.00	0.01	0.008	0					0.26
97.667	0.00	0.01	0.008	0					0.26

97.750	0.00	0.01	0.008	0					0.26
97.833	0.00	0.01	0.008	0					0.26
97.917	0.00	0.01	0.008	0					0.25
98.000	0.00	0.01	0.008	0					0.25
98.083	0.00	0.01	0.008	0					0.25
98.167	0.00	0.01	0.007	0					0.25
98.250	0.00	0.01	0.007	0					0.25
98.333	0.00	0.01	0.007	0					0.25
98.417	0.00	0.01	0.007	0					0.24
98.500	0.00	0.01	0.007	0					0.24
98.583	0.00	0.01	0.007	0					0.24
98.667	0.00	0.01	0.007	0					0.24
98.750	0.00	0.01	0.007	0					0.24
98.833	0.00	0.01	0.007	0					0.23
98.917	0.00	0.01	0.007	0					0.23
99.000	0.00	0.01	0.007	0					0.23
99.083	0.00	0.01	0.007	0					0.23
99.167	0.00	0.01	0.007	0					0.23
99.250	0.00	0.01	0.007	0					0.23
99.333	0.00	0.01	0.007	0					0.22
99.417	0.00	0.01	0.006	0					0.22
99.500	0.00	0.01	0.006	0					0.22
99.583	0.00	0.01	0.006	0					0.22
99.667	0.00	0.01	0.006	0					0.22
99.750	0.00	0.01	0.006	0					0.22
99.833	0.00	0.01	0.006	0					0.21
99.917	0.00	0.01	0.006	0					0.21
100.000	0.00	0.01	0.006	0					0.21
100.083	0.00	0.01	0.006	0					0.21
100.167	0.00	0.01	0.006	0					0.21
100.250	0.00	0.01	0.006	0					0.21
100.333	0.00	0.01	0.006	0					0.20
100.417	0.00	0.01	0.006	0					0.20
100.500	0.00	0.01	0.006	0					0.20
100.583	0.00	0.01	0.006	0					0.20
100.667	0.00	0.01	0.006	0					0.20
100.750	0.00	0.01	0.006	0					0.20
100.833	0.00	0.01	0.005	0					0.20
100.917	0.00	0.01	0.005	0					0.19
101.000	0.00	0.01	0.005	0					0.19
101.083	0.00	0.01	0.005	0					0.19
101.167	0.00	0.01	0.005	0					0.19
101.250	0.00	0.01	0.005	0					0.19
101.333	0.00	0.01	0.005	0					0.19
101.417	0.00	0.01	0.005	0					0.18
101.500	0.00	0.01	0.005	0					0.18
101.583	0.00	0.01	0.005	0					0.18
101.667	0.00	0.01	0.005	0					0.18
101.750	0.00	0.01	0.005	0					0.18
101.833	0.00	0.01	0.005	0					0.18

101.917	0.00	0.01	0.005	0					0.18
102.000	0.00	0.01	0.005	0					0.17
102.083	0.00	0.01	0.005	0					0.17
102.167	0.00	0.01	0.005	0					0.17
102.250	0.00	0.01	0.005	0					0.17
102.333	0.00	0.01	0.004	0					0.17
102.417	0.00	0.01	0.004	0					0.17
102.500	0.00	0.01	0.004	0					0.17
102.583	0.00	0.01	0.004	0					0.16
102.667	0.00	0.01	0.004	0					0.16
102.750	0.00	0.01	0.004	0					0.16
102.833	0.00	0.01	0.004	0					0.16
102.917	0.00	0.01	0.004	0					0.16
103.000	0.00	0.01	0.004	0					0.16
103.083	0.00	0.01	0.004	0					0.16
103.167	0.00	0.01	0.004	0					0.15
103.250	0.00	0.01	0.004	0					0.15
103.333	0.00	0.01	0.004	0					0.15
103.417	0.00	0.01	0.004	0					0.15
103.500	0.00	0.01	0.004	0					0.15
103.583	0.00	0.01	0.004	0					0.15
103.667	0.00	0.01	0.004	0					0.15
103.750	0.00	0.01	0.004	0					0.14
103.833	0.00	0.01	0.004	0					0.14
103.917	0.00	0.01	0.004	0					0.14
104.000	0.00	0.01	0.003	0					0.14
104.083	0.00	0.01	0.003	0					0.14
104.167	0.00	0.01	0.003	0					0.14
104.250	0.00	0.01	0.003	0					0.14
104.333	0.00	0.01	0.003	0					0.14
104.417	0.00	0.01	0.003	0					0.13
104.500	0.00	0.01	0.003	0					0.13
104.583	0.00	0.01	0.003	0					0.13
104.667	0.00	0.01	0.003	0					0.13
104.750	0.00	0.01	0.003	0					0.13
104.833	0.00	0.01	0.003	0					0.13
104.917	0.00	0.01	0.003	0					0.13
105.000	0.00	0.01	0.003	0					0.13
105.083	0.00	0.01	0.003	0					0.12
105.167	0.00	0.01	0.003	0					0.12
105.250	0.00	0.01	0.003	0					0.12
105.333	0.00	0.01	0.003	0					0.12
105.417	0.00	0.01	0.003	0					0.12
105.500	0.00	0.01	0.003	0					0.12
105.583	0.00	0.01	0.003	0					0.12
105.667	0.00	0.01	0.003	0					0.12
105.750	0.00	0.01	0.003	0					0.11
105.833	0.00	0.01	0.002	0					0.11
105.917	0.00	0.01	0.002	0					0.11
106.000	0.00	0.01	0.002	0					0.11

106.083	0.00	0.01	0.002	0					0.11
106.167	0.00	0.01	0.002	0					0.11
106.250	0.00	0.01	0.002	0					0.11
106.333	0.00	0.01	0.002	0					0.11
106.417	0.00	0.01	0.002	0					0.10
106.500	0.00	0.01	0.002	0					0.10
106.583	0.00	0.01	0.002	0					0.10
106.667	0.00	0.01	0.002	0					0.10
106.750	0.00	0.01	0.002	0					0.10
106.833	0.00	0.01	0.002	0					0.10
106.917	0.00	0.01	0.002	0					0.10
107.000	0.00	0.01	0.002	0					0.09
107.083	0.00	0.01	0.002	0					0.09
107.167	0.00	0.01	0.002	0					0.09
107.250	0.00	0.01	0.002	0					0.09
107.333	0.00	0.01	0.002	0					0.09
107.417	0.00	0.01	0.002	0					0.09
107.500	0.00	0.01	0.002	0					0.08
107.583	0.00	0.00	0.002	0					0.08
107.667	0.00	0.00	0.002	0					0.08
107.750	0.00	0.00	0.002	0					0.08
107.833	0.00	0.00	0.002	0					0.08
107.917	0.00	0.00	0.002	0					0.08
108.000	0.00	0.00	0.001	0					0.07
108.083	0.00	0.00	0.001	0					0.07
108.167	0.00	0.00	0.001	0					0.07
108.250	0.00	0.00	0.001	0					0.07
108.333	0.00	0.00	0.001	0					0.07
108.417	0.00	0.00	0.001	0					0.07
108.500	0.00	0.00	0.001	0					0.07
108.583	0.00	0.00	0.001	0					0.06
108.667	0.00	0.00	0.001	0					0.06
108.750	0.00	0.00	0.001	0					0.06
108.833	0.00	0.00	0.001	0					0.06
108.917	0.00	0.00	0.001	0					0.06
109.000	0.00	0.00	0.001	0					0.06
109.083	0.00	0.00	0.001	0					0.06
109.167	0.00	0.00	0.001	0					0.06
109.250	0.00	0.00	0.001	0					0.05
109.333	0.00	0.00	0.001	0					0.05
109.417	0.00	0.00	0.001	0					0.05
109.500	0.00	0.00	0.001	0					0.05
109.583	0.00	0.00	0.001	0					0.05
109.667	0.00	0.00	0.001	0					0.05
109.750	0.00	0.00	0.001	0					0.05
109.833	0.00	0.00	0.001	0					0.05
109.917	0.00	0.00	0.001	0					0.05
110.000	0.00	0.00	0.001	0					0.04
110.083	0.00	0.00	0.001	0					0.04
110.167	0.00	0.00	0.001	0					0.04

110.250	0.00	0.00	0.001	0					0.04
110.333	0.00	0.00	0.001	0					0.04
110.417	0.00	0.00	0.001	0					0.04
110.500	0.00	0.00	0.001	0					0.04
110.583	0.00	0.00	0.001	0					0.04
110.667	0.00	0.00	0.001	0					0.04
110.750	0.00	0.00	0.001	0					0.04
110.833	0.00	0.00	0.001	0					0.04
110.917	0.00	0.00	0.001	0					0.04
111.000	0.00	0.00	0.001	0					0.04
111.083	0.00	0.00	0.001	0					0.03
111.167	0.00	0.00	0.001	0					0.03
111.250	0.00	0.00	0.001	0					0.03
111.333	0.00	0.00	0.001	0					0.03
111.417	0.00	0.00	0.001	0					0.03
111.500	0.00	0.00	0.001	0					0.03
111.583	0.00	0.00	0.001	0					0.03
111.667	0.00	0.00	0.001	0					0.03
111.750	0.00	0.00	0.001	0					0.03
111.833	0.00	0.00	0.001	0					0.03
111.917	0.00	0.00	0.001	0					0.03
112.000	0.00	0.00	0.001	0					0.03
112.083	0.00	0.00	0.001	0					0.03
112.167	0.00	0.00	0.001	0					0.03
112.250	0.00	0.00	0.001	0					0.03
112.333	0.00	0.00	0.001	0					0.03
112.417	0.00	0.00	0.000	0					0.02
112.500	0.00	0.00	0.000	0					0.02
112.583	0.00	0.00	0.000	0					0.02
112.667	0.00	0.00	0.000	0					0.02
112.750	0.00	0.00	0.000	0					0.02
112.833	0.00	0.00	0.000	0					0.02
112.917	0.00	0.00	0.000	0					0.02
113.000	0.00	0.00	0.000	0					0.02
113.083	0.00	0.00	0.000	0					0.02
113.167	0.00	0.00	0.000	0					0.02
113.250	0.00	0.00	0.000	0					0.02
113.333	0.00	0.00	0.000	0					0.02
113.417	0.00	0.00	0.000	0					0.02
113.500	0.00	0.00	0.000	0					0.02
113.583	0.00	0.00	0.000	0					0.02
113.667	0.00	0.00	0.000	0					0.02
113.750	0.00	0.00	0.000	0					0.02
113.833	0.00	0.00	0.000	0					0.02
113.917	0.00	0.00	0.000	0					0.02
114.000	0.00	0.00	0.000	0					0.02
114.083	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1369

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 2.550 (CFS)

Total volume = 0.474 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
100 yr
3 yr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da43100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.415 (CFS)
Total volume = 0.366 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.1	2.21	3.31	4.42	Depth (Ft.)
0.083	0.40	0.00	0.001	O I					0.07
0.167	0.60	0.01	0.005	O I					0.17
0.250	0.54	0.01	0.009	O I					0.28
0.333	0.65	0.01	0.013	O I					0.39
0.417	0.73	0.02	0.017	O I					0.52
0.500	0.85	0.02	0.023	O I					0.66
0.583	0.79	0.02	0.028	O I					0.81
0.667	0.85	0.03	0.034	O I					0.96
0.750	0.90	0.03	0.039	O I					1.08
0.833	0.80	0.03	0.045	O I					1.18
0.917	0.78	0.03	0.050	O I					1.27
1.000	0.86	0.03	0.056	O I					1.36
1.083	1.05	0.03	0.062	O I					1.48
1.167	1.13	0.03	0.069	O I					1.60
1.250	1.14	0.04	0.077	O I					1.74
1.333	1.07	0.04	0.084	O I					1.87
1.417	1.25	0.04	0.092	O I					2.00
1.500	1.40	0.04	0.101	O I					2.13
1.583	1.32	0.04	0.110	O I					2.26
1.667	1.37	0.04	0.119	O I					2.40
1.750	1.65	0.04	0.129	O I					2.54
1.833	1.69	0.05	0.140	O I					2.71

1.917	1.59	0.05	0.151	0		I				2.87
2.000	1.59	0.05	0.162	0		I				3.03
2.083	1.64	0.05	0.173	0		I				3.18
2.167	2.07	0.05	0.185	0			I			3.36
2.250	2.57	0.05	0.201	0				I		3.58
2.333	2.19	0.05	0.217	0			I			3.81
2.417	3.14	0.06	0.235	0				I		4.07
2.500	3.93	0.06	0.258	0					I	4.41
2.583	4.42	0.06	0.287	0						4.83
2.667	3.74	0.20	0.314	0					I	5.28
2.750	1.88	0.33	0.332	0		I				5.56
2.833	1.02	0.42	0.339	0	I					5.69
2.917	0.91	0.51	0.342	0	I					5.75
3.000	0.49	0.54	0.344	0						5.78
3.083	0.11	0.50	0.342	0						5.75
3.167	0.01	0.43	0.339	0						5.69
3.250	0.00	0.37	0.337	0						5.64
3.333	0.00	0.35	0.334	0						5.60
3.417	0.00	0.34	0.332	0						5.56
3.500	0.00	0.32	0.329	0						5.53
3.583	0.00	0.30	0.327	0						5.49
3.667	0.00	0.29	0.325	0						5.46
3.750	0.00	0.27	0.323	0						5.43
3.833	0.00	0.26	0.322	0						5.40
3.917	0.00	0.24	0.320	0						5.37
4.000	0.00	0.23	0.318	0						5.35
4.083	0.00	0.22	0.317	0						5.32
4.167	0.00	0.21	0.315	0						5.30
4.250	0.00	0.20	0.314	0						5.27
4.333	0.00	0.19	0.313	0						5.25
4.417	0.00	0.18	0.311	0						5.23
4.500	0.00	0.17	0.310	0						5.21
4.583	0.00	0.16	0.309	0						5.20
4.667	0.00	0.15	0.308	0						5.18
4.750	0.00	0.14	0.307	0						5.16
4.833	0.00	0.13	0.306	0						5.15
4.917	0.00	0.13	0.305	0						5.13
5.000	0.00	0.12	0.304	0						5.12
5.083	0.00	0.11	0.303	0						5.11
5.167	0.00	0.11	0.303	0						5.09
5.250	0.00	0.10	0.302	0						5.08
5.333	0.00	0.10	0.301	0						5.07
5.417	0.00	0.09	0.301	0						5.06
5.500	0.00	0.09	0.300	0						5.05
5.583	0.00	0.08	0.299	0						5.04
5.667	0.00	0.08	0.299	0						5.03
5.750	0.00	0.07	0.298	0						5.02
5.833	0.00	0.07	0.298	0						5.01
5.917	0.00	0.07	0.297	0						5.01
6.000	0.00	0.06	0.297	0						5.00

6.083	0.00	0.06	0.297	0					4.99
6.167	0.00	0.06	0.296	0					4.98
6.250	0.00	0.06	0.296	0					4.98
6.333	0.00	0.06	0.295	0					4.97
6.417	0.00	0.06	0.295	0					4.96
6.500	0.00	0.06	0.294	0					4.96
6.583	0.00	0.06	0.294	0					4.95
6.667	0.00	0.06	0.294	0					4.94
6.750	0.00	0.06	0.293	0					4.93
6.833	0.00	0.06	0.293	0					4.93
6.917	0.00	0.06	0.292	0					4.92
7.000	0.00	0.06	0.292	0					4.91
7.083	0.00	0.06	0.291	0					4.91
7.167	0.00	0.06	0.291	0					4.90
7.250	0.00	0.06	0.291	0					4.89
7.333	0.00	0.06	0.290	0					4.88
7.417	0.00	0.06	0.290	0					4.88
7.500	0.00	0.06	0.289	0					4.87
7.583	0.00	0.06	0.289	0					4.86
7.667	0.00	0.06	0.288	0					4.86
7.750	0.00	0.06	0.288	0					4.85
7.833	0.00	0.06	0.288	0					4.84
7.917	0.00	0.06	0.287	0					4.83
8.000	0.00	0.06	0.287	0					4.83
8.083	0.00	0.06	0.286	0					4.82
8.167	0.00	0.06	0.286	0					4.81
8.250	0.00	0.06	0.285	0					4.81
8.333	0.00	0.06	0.285	0					4.80
8.417	0.00	0.06	0.285	0					4.79
8.500	0.00	0.06	0.284	0					4.79
8.583	0.00	0.06	0.284	0					4.78
8.667	0.00	0.06	0.283	0					4.77
8.750	0.00	0.06	0.283	0					4.76
8.833	0.00	0.06	0.282	0					4.76
8.917	0.00	0.06	0.282	0					4.75
9.000	0.00	0.06	0.282	0					4.74
9.083	0.00	0.06	0.281	0					4.74
9.167	0.00	0.06	0.281	0					4.73
9.250	0.00	0.06	0.280	0					4.73
9.333	0.00	0.06	0.280	0					4.72
9.417	0.00	0.06	0.280	0					4.71
9.500	0.00	0.06	0.279	0					4.71
9.583	0.00	0.06	0.279	0					4.70
9.667	0.00	0.06	0.278	0					4.69
9.750	0.00	0.06	0.278	0					4.69
9.833	0.00	0.06	0.277	0					4.68
9.917	0.00	0.06	0.277	0					4.68
10.000	0.00	0.06	0.277	0					4.67
10.083	0.00	0.06	0.276	0					4.66
10.167	0.00	0.06	0.276	0					4.66

10.250	0.00	0.06	0.275	0					4.65
10.333	0.00	0.06	0.275	0					4.65
10.417	0.00	0.06	0.274	0					4.64
10.500	0.00	0.06	0.274	0					4.63
10.583	0.00	0.06	0.274	0					4.63
10.667	0.00	0.06	0.273	0					4.62
10.750	0.00	0.06	0.273	0					4.62
10.833	0.00	0.06	0.272	0					4.61
10.917	0.00	0.06	0.272	0					4.60
11.000	0.00	0.06	0.272	0					4.60
11.083	0.00	0.06	0.271	0					4.59
11.167	0.00	0.06	0.271	0					4.58
11.250	0.00	0.06	0.270	0					4.58
11.333	0.00	0.06	0.270	0					4.57
11.417	0.00	0.06	0.269	0					4.57
11.500	0.00	0.06	0.269	0					4.56
11.583	0.00	0.06	0.269	0					4.55
11.667	0.00	0.06	0.268	0					4.55
11.750	0.00	0.06	0.268	0					4.54
11.833	0.00	0.06	0.267	0					4.54
11.917	0.00	0.06	0.267	0					4.53
12.000	0.00	0.06	0.267	0					4.52
12.083	0.00	0.06	0.266	0					4.52
12.167	0.00	0.06	0.266	0					4.51
12.250	0.00	0.06	0.265	0					4.51
12.333	0.00	0.06	0.265	0					4.50
12.417	0.00	0.06	0.265	0					4.49
12.500	0.00	0.06	0.264	0					4.49
12.583	0.00	0.06	0.264	0					4.48
12.667	0.00	0.06	0.263	0					4.48
12.750	0.00	0.06	0.263	0					4.47
12.833	0.00	0.06	0.262	0					4.46
12.917	0.00	0.06	0.262	0					4.46
13.000	0.00	0.06	0.262	0					4.45
13.083	0.00	0.06	0.261	0					4.45
13.167	0.00	0.06	0.261	0					4.44
13.250	0.00	0.06	0.260	0					4.43
13.333	0.00	0.06	0.260	0					4.43
13.417	0.00	0.06	0.260	0					4.42
13.500	0.00	0.06	0.259	0					4.42
13.583	0.00	0.06	0.259	0					4.41
13.667	0.00	0.06	0.258	0					4.41
13.750	0.00	0.06	0.258	0					4.40
13.833	0.00	0.06	0.258	0					4.39
13.917	0.00	0.06	0.257	0					4.39
14.000	0.00	0.06	0.257	0					4.38
14.083	0.00	0.06	0.256	0					4.38
14.167	0.00	0.06	0.256	0					4.37
14.250	0.00	0.06	0.256	0					4.36
14.333	0.00	0.06	0.255	0					4.36

14.417	0.00	0.06	0.255	0					4.35
14.500	0.00	0.06	0.254	0					4.35
14.583	0.00	0.06	0.254	0					4.34
14.667	0.00	0.06	0.253	0					4.34
14.750	0.00	0.06	0.253	0					4.33
14.833	0.00	0.06	0.253	0					4.32
14.917	0.00	0.06	0.252	0					4.32
15.000	0.00	0.06	0.252	0					4.31
15.083	0.00	0.06	0.251	0					4.31
15.167	0.00	0.06	0.251	0					4.30
15.250	0.00	0.06	0.251	0					4.30
15.333	0.00	0.06	0.250	0					4.29
15.417	0.00	0.06	0.250	0					4.28
15.500	0.00	0.06	0.249	0					4.28
15.583	0.00	0.06	0.249	0					4.27
15.667	0.00	0.06	0.249	0					4.27
15.750	0.00	0.06	0.248	0					4.26
15.833	0.00	0.06	0.248	0					4.26
15.917	0.00	0.06	0.247	0					4.25
16.000	0.00	0.06	0.247	0					4.24
16.083	0.00	0.06	0.247	0					4.24
16.167	0.00	0.06	0.246	0					4.23
16.250	0.00	0.06	0.246	0					4.23
16.333	0.00	0.06	0.245	0					4.22
16.417	0.00	0.06	0.245	0					4.22
16.500	0.00	0.06	0.245	0					4.21
16.583	0.00	0.06	0.244	0					4.20
16.667	0.00	0.06	0.244	0					4.20
16.750	0.00	0.06	0.243	0					4.19
16.833	0.00	0.06	0.243	0					4.19
16.917	0.00	0.06	0.243	0					4.18
17.000	0.00	0.06	0.242	0					4.18
17.083	0.00	0.06	0.242	0					4.17
17.167	0.00	0.06	0.242	0					4.16
17.250	0.00	0.06	0.241	0					4.16
17.333	0.00	0.06	0.241	0					4.15
17.417	0.00	0.06	0.240	0					4.15
17.500	0.00	0.06	0.240	0					4.14
17.583	0.00	0.06	0.240	0					4.14
17.667	0.00	0.06	0.239	0					4.13
17.750	0.00	0.06	0.239	0					4.13
17.833	0.00	0.06	0.238	0					4.12
17.917	0.00	0.06	0.238	0					4.11
18.000	0.00	0.06	0.238	0					4.11
18.083	0.00	0.06	0.237	0					4.10
18.167	0.00	0.06	0.237	0					4.10
18.250	0.00	0.06	0.236	0					4.09
18.333	0.00	0.06	0.236	0					4.09
18.417	0.00	0.06	0.236	0					4.08
18.500	0.00	0.06	0.235	0					4.07

18.583	0.00	0.06	0.235	0					4.07
18.667	0.00	0.06	0.234	0					4.06
18.750	0.00	0.06	0.234	0					4.06
18.833	0.00	0.06	0.234	0					4.05
18.917	0.00	0.06	0.233	0					4.05
19.000	0.00	0.06	0.233	0					4.04
19.083	0.00	0.06	0.233	0					4.04
19.167	0.00	0.06	0.232	0					4.03
19.250	0.00	0.06	0.232	0					4.02
19.333	0.00	0.06	0.231	0					4.02
19.417	0.00	0.06	0.231	0					4.01
19.500	0.00	0.06	0.231	0					4.01
19.583	0.00	0.06	0.230	0					4.00
19.667	0.00	0.06	0.230	0					4.00
19.750	0.00	0.06	0.229	0					3.99
19.833	0.00	0.06	0.229	0					3.99
19.917	0.00	0.06	0.229	0					3.98
20.000	0.00	0.06	0.228	0					3.98
20.083	0.00	0.06	0.228	0					3.97
20.167	0.00	0.06	0.228	0					3.96
20.250	0.00	0.06	0.227	0					3.96
20.333	0.00	0.06	0.227	0					3.95
20.417	0.00	0.06	0.226	0					3.95
20.500	0.00	0.06	0.226	0					3.94
20.583	0.00	0.06	0.226	0					3.94
20.667	0.00	0.06	0.225	0					3.93
20.750	0.00	0.06	0.225	0					3.93
20.833	0.00	0.06	0.224	0					3.92
20.917	0.00	0.06	0.224	0					3.92
21.000	0.00	0.06	0.224	0					3.91
21.083	0.00	0.06	0.223	0					3.90
21.167	0.00	0.06	0.223	0					3.90
21.250	0.00	0.06	0.223	0					3.89
21.333	0.00	0.06	0.222	0					3.89
21.417	0.00	0.06	0.222	0					3.88
21.500	0.00	0.06	0.221	0					3.88
21.583	0.00	0.05	0.221	0					3.87
21.667	0.00	0.05	0.221	0					3.87
21.750	0.00	0.05	0.220	0					3.86
21.833	0.00	0.05	0.220	0					3.86
21.917	0.00	0.05	0.220	0					3.85
22.000	0.00	0.05	0.219	0					3.84
22.083	0.00	0.05	0.219	0					3.84
22.167	0.00	0.05	0.218	0					3.83
22.250	0.00	0.05	0.218	0					3.83
22.333	0.00	0.05	0.218	0					3.82
22.417	0.00	0.05	0.217	0					3.82
22.500	0.00	0.05	0.217	0					3.81
22.583	0.00	0.05	0.217	0					3.81
22.667	0.00	0.05	0.216	0					3.80

22.750	0.00	0.05	0.216	0					3.80
22.833	0.00	0.05	0.215	0					3.79
22.917	0.00	0.05	0.215	0					3.79
23.000	0.00	0.05	0.215	0					3.78
23.083	0.00	0.05	0.214	0					3.78
23.167	0.00	0.05	0.214	0					3.77
23.250	0.00	0.05	0.214	0					3.76
23.333	0.00	0.05	0.213	0					3.76
23.417	0.00	0.05	0.213	0					3.75
23.500	0.00	0.05	0.212	0					3.75
23.583	0.00	0.05	0.212	0					3.74
23.667	0.00	0.05	0.212	0					3.74
23.750	0.00	0.05	0.211	0					3.73
23.833	0.00	0.05	0.211	0					3.73
23.917	0.00	0.05	0.211	0					3.72
24.000	0.00	0.05	0.210	0					3.72
24.083	0.00	0.05	0.210	0					3.71
24.167	0.00	0.05	0.209	0					3.71
24.250	0.00	0.05	0.209	0					3.70
24.333	0.00	0.05	0.209	0					3.70
24.417	0.00	0.05	0.208	0					3.69
24.500	0.00	0.05	0.208	0					3.69
24.583	0.00	0.05	0.208	0					3.68
24.667	0.00	0.05	0.207	0					3.67
24.750	0.00	0.05	0.207	0					3.67
24.833	0.00	0.05	0.206	0					3.66
24.917	0.00	0.05	0.206	0					3.66
25.000	0.00	0.05	0.206	0					3.65
25.083	0.00	0.05	0.205	0					3.65
25.167	0.00	0.05	0.205	0					3.64
25.250	0.00	0.05	0.205	0					3.64
25.333	0.00	0.05	0.204	0					3.63
25.417	0.00	0.05	0.204	0					3.63
25.500	0.00	0.05	0.204	0					3.62
25.583	0.00	0.05	0.203	0					3.62
25.667	0.00	0.05	0.203	0					3.61
25.750	0.00	0.05	0.202	0					3.61
25.833	0.00	0.05	0.202	0					3.60
25.917	0.00	0.05	0.202	0					3.60
26.000	0.00	0.05	0.201	0					3.59
26.083	0.00	0.05	0.201	0					3.59
26.167	0.00	0.05	0.201	0					3.58
26.250	0.00	0.05	0.200	0					3.58
26.333	0.00	0.05	0.200	0					3.57
26.417	0.00	0.05	0.200	0					3.57
26.500	0.00	0.05	0.199	0					3.56
26.583	0.00	0.05	0.199	0					3.55
26.667	0.00	0.05	0.198	0					3.55
26.750	0.00	0.05	0.198	0					3.54
26.833	0.00	0.05	0.198	0					3.54

26.917	0.00	0.05	0.197	0					3.53
27.000	0.00	0.05	0.197	0					3.53
27.083	0.00	0.05	0.197	0					3.52
27.167	0.00	0.05	0.196	0					3.52
27.250	0.00	0.05	0.196	0					3.51
27.333	0.00	0.05	0.196	0					3.51
27.417	0.00	0.05	0.195	0					3.50
27.500	0.00	0.05	0.195	0					3.50
27.583	0.00	0.05	0.195	0					3.49
27.667	0.00	0.05	0.194	0					3.49
27.750	0.00	0.05	0.194	0					3.48
27.833	0.00	0.05	0.193	0					3.48
27.917	0.00	0.05	0.193	0					3.47
28.000	0.00	0.05	0.193	0					3.47
28.083	0.00	0.05	0.192	0					3.46
28.167	0.00	0.05	0.192	0					3.46
28.250	0.00	0.05	0.192	0					3.45
28.333	0.00	0.05	0.191	0					3.45
28.417	0.00	0.05	0.191	0					3.44
28.500	0.00	0.05	0.191	0					3.44
28.583	0.00	0.05	0.190	0					3.43
28.667	0.00	0.05	0.190	0					3.43
28.750	0.00	0.05	0.190	0					3.42
28.833	0.00	0.05	0.189	0					3.42
28.917	0.00	0.05	0.189	0					3.41
29.000	0.00	0.05	0.188	0					3.41
29.083	0.00	0.05	0.188	0					3.40
29.167	0.00	0.05	0.188	0					3.40
29.250	0.00	0.05	0.187	0					3.39
29.333	0.00	0.05	0.187	0					3.39
29.417	0.00	0.05	0.187	0					3.38
29.500	0.00	0.05	0.186	0					3.38
29.583	0.00	0.05	0.186	0					3.37
29.667	0.00	0.05	0.186	0					3.37
29.750	0.00	0.05	0.185	0					3.36
29.833	0.00	0.05	0.185	0					3.36
29.917	0.00	0.05	0.185	0					3.35
30.000	0.00	0.05	0.184	0					3.35
30.083	0.00	0.05	0.184	0					3.34
30.167	0.00	0.05	0.184	0					3.34
30.250	0.00	0.05	0.183	0					3.33
30.333	0.00	0.05	0.183	0					3.33
30.417	0.00	0.05	0.183	0					3.32
30.500	0.00	0.05	0.182	0					3.32
30.583	0.00	0.05	0.182	0					3.31
30.667	0.00	0.05	0.181	0					3.31
30.750	0.00	0.05	0.181	0					3.30
30.833	0.00	0.05	0.181	0					3.30
30.917	0.00	0.05	0.180	0					3.29
31.000	0.00	0.05	0.180	0					3.29

31.083	0.00	0.05	0.180	0					3.28
31.167	0.00	0.05	0.179	0					3.28
31.250	0.00	0.05	0.179	0					3.27
31.333	0.00	0.05	0.179	0					3.27
31.417	0.00	0.05	0.178	0					3.26
31.500	0.00	0.05	0.178	0					3.26
31.583	0.00	0.05	0.178	0					3.25
31.667	0.00	0.05	0.177	0					3.25
31.750	0.00	0.05	0.177	0					3.24
31.833	0.00	0.05	0.177	0					3.24
31.917	0.00	0.05	0.176	0					3.23
32.000	0.00	0.05	0.176	0					3.23
32.083	0.00	0.05	0.176	0					3.22
32.167	0.00	0.05	0.175	0					3.22
32.250	0.00	0.05	0.175	0					3.21
32.333	0.00	0.05	0.175	0					3.21
32.417	0.00	0.05	0.174	0					3.20
32.500	0.00	0.05	0.174	0					3.20
32.583	0.00	0.05	0.174	0					3.19
32.667	0.00	0.05	0.173	0					3.19
32.750	0.00	0.05	0.173	0					3.18
32.833	0.00	0.05	0.173	0					3.18
32.917	0.00	0.05	0.172	0					3.17
33.000	0.00	0.05	0.172	0					3.17
33.083	0.00	0.05	0.172	0					3.16
33.167	0.00	0.05	0.171	0					3.16
33.250	0.00	0.05	0.171	0					3.15
33.333	0.00	0.05	0.170	0					3.15
33.417	0.00	0.05	0.170	0					3.15
33.500	0.00	0.05	0.170	0					3.14
33.583	0.00	0.05	0.169	0					3.14
33.667	0.00	0.05	0.169	0					3.13
33.750	0.00	0.05	0.169	0					3.13
33.833	0.00	0.05	0.168	0					3.12
33.917	0.00	0.05	0.168	0					3.12
34.000	0.00	0.05	0.168	0					3.11
34.083	0.00	0.05	0.167	0					3.11
34.167	0.00	0.05	0.167	0					3.10
34.250	0.00	0.05	0.167	0					3.10
34.333	0.00	0.05	0.166	0					3.09
34.417	0.00	0.05	0.166	0					3.09
34.500	0.00	0.05	0.166	0					3.08
34.583	0.00	0.05	0.165	0					3.08
34.667	0.00	0.05	0.165	0					3.07
34.750	0.00	0.05	0.165	0					3.07
34.833	0.00	0.05	0.164	0					3.06
34.917	0.00	0.05	0.164	0					3.06
35.000	0.00	0.05	0.164	0					3.05
35.083	0.00	0.05	0.163	0					3.05
35.167	0.00	0.05	0.163	0					3.04

35.250	0.00	0.05	0.163	0					3.04
35.333	0.00	0.05	0.162	0					3.03
35.417	0.00	0.05	0.162	0					3.03
35.500	0.00	0.05	0.162	0					3.03
35.583	0.00	0.05	0.161	0					3.02
35.667	0.00	0.05	0.161	0					3.02
35.750	0.00	0.05	0.161	0					3.01
35.833	0.00	0.05	0.160	0					3.01
35.917	0.00	0.05	0.160	0					3.00
36.000	0.00	0.05	0.160	0					3.00
36.083	0.00	0.05	0.159	0					2.99
36.167	0.00	0.05	0.159	0					2.99
36.250	0.00	0.05	0.159	0					2.98
36.333	0.00	0.05	0.158	0					2.98
36.417	0.00	0.05	0.158	0					2.97
36.500	0.00	0.05	0.158	0					2.97
36.583	0.00	0.05	0.157	0					2.96
36.667	0.00	0.05	0.157	0					2.96
36.750	0.00	0.05	0.157	0					2.95
36.833	0.00	0.05	0.156	0					2.95
36.917	0.00	0.05	0.156	0					2.94
37.000	0.00	0.05	0.156	0					2.94
37.083	0.00	0.05	0.156	0					2.93
37.167	0.00	0.05	0.155	0					2.93
37.250	0.00	0.05	0.155	0					2.92
37.333	0.00	0.05	0.155	0					2.92
37.417	0.00	0.05	0.154	0					2.91
37.500	0.00	0.05	0.154	0					2.91
37.583	0.00	0.05	0.154	0					2.91
37.667	0.00	0.05	0.153	0					2.90
37.750	0.00	0.05	0.153	0					2.90
37.833	0.00	0.05	0.153	0					2.89
37.917	0.00	0.05	0.152	0					2.89
38.000	0.00	0.05	0.152	0					2.88
38.083	0.00	0.05	0.152	0					2.88
38.167	0.00	0.05	0.151	0					2.87
38.250	0.00	0.05	0.151	0					2.87
38.333	0.00	0.05	0.151	0					2.86
38.417	0.00	0.05	0.150	0					2.86
38.500	0.00	0.05	0.150	0					2.85
38.583	0.00	0.05	0.150	0					2.85
38.667	0.00	0.05	0.149	0					2.84
38.750	0.00	0.05	0.149	0					2.84
38.833	0.00	0.05	0.149	0					2.83
38.917	0.00	0.05	0.148	0					2.83
39.000	0.00	0.05	0.148	0					2.82
39.083	0.00	0.05	0.148	0					2.82
39.167	0.00	0.05	0.147	0					2.82
39.250	0.00	0.05	0.147	0					2.81
39.333	0.00	0.05	0.147	0					2.81

39.417	0.00	0.05	0.146	0					2.80
39.500	0.00	0.05	0.146	0					2.80
39.583	0.00	0.05	0.146	0					2.79
39.667	0.00	0.05	0.146	0					2.79
39.750	0.00	0.05	0.145	0					2.78
39.833	0.00	0.05	0.145	0					2.78
39.917	0.00	0.05	0.145	0					2.77
40.000	0.00	0.05	0.144	0					2.77
40.083	0.00	0.05	0.144	0					2.76
40.167	0.00	0.05	0.144	0					2.76
40.250	0.00	0.05	0.143	0					2.75
40.333	0.00	0.05	0.143	0					2.75
40.417	0.00	0.05	0.143	0					2.75
40.500	0.00	0.05	0.142	0					2.74
40.583	0.00	0.05	0.142	0					2.74
40.667	0.00	0.05	0.142	0					2.73
40.750	0.00	0.05	0.141	0					2.73
40.833	0.00	0.05	0.141	0					2.72
40.917	0.00	0.05	0.141	0					2.72
41.000	0.00	0.05	0.140	0					2.71
41.083	0.00	0.05	0.140	0					2.71
41.167	0.00	0.05	0.140	0					2.70
41.250	0.00	0.05	0.140	0					2.70
41.333	0.00	0.05	0.139	0					2.69
41.417	0.00	0.05	0.139	0					2.69
41.500	0.00	0.05	0.139	0					2.69
41.583	0.00	0.05	0.138	0					2.68
41.667	0.00	0.05	0.138	0					2.68
41.750	0.00	0.05	0.138	0					2.67
41.833	0.00	0.05	0.137	0					2.67
41.917	0.00	0.04	0.137	0					2.66
42.000	0.00	0.04	0.137	0					2.66
42.083	0.00	0.04	0.136	0					2.65
42.167	0.00	0.04	0.136	0					2.65
42.250	0.00	0.04	0.136	0					2.64
42.333	0.00	0.04	0.136	0					2.64
42.417	0.00	0.04	0.135	0					2.64
42.500	0.00	0.04	0.135	0					2.63
42.583	0.00	0.04	0.135	0					2.63
42.667	0.00	0.04	0.134	0					2.62
42.750	0.00	0.04	0.134	0					2.62
42.833	0.00	0.04	0.134	0					2.61
42.917	0.00	0.04	0.133	0					2.61
43.000	0.00	0.04	0.133	0					2.60
43.083	0.00	0.04	0.133	0					2.60
43.167	0.00	0.04	0.132	0					2.60
43.250	0.00	0.04	0.132	0					2.59
43.333	0.00	0.04	0.132	0					2.59
43.417	0.00	0.04	0.132	0					2.58
43.500	0.00	0.04	0.131	0					2.58

43.583	0.00	0.04	0.131	0					2.57
43.667	0.00	0.04	0.131	0					2.57
43.750	0.00	0.04	0.130	0					2.56
43.833	0.00	0.04	0.130	0					2.56
43.917	0.00	0.04	0.130	0					2.55
44.000	0.00	0.04	0.129	0					2.55
44.083	0.00	0.04	0.129	0					2.55
44.167	0.00	0.04	0.129	0					2.54
44.250	0.00	0.04	0.129	0					2.54
44.333	0.00	0.04	0.128	0					2.53
44.417	0.00	0.04	0.128	0					2.53
44.500	0.00	0.04	0.128	0					2.52
44.583	0.00	0.04	0.127	0					2.52
44.667	0.00	0.04	0.127	0					2.51
44.750	0.00	0.04	0.127	0					2.51
44.833	0.00	0.04	0.126	0					2.51
44.917	0.00	0.04	0.126	0					2.50
45.000	0.00	0.04	0.126	0					2.50
45.083	0.00	0.04	0.126	0					2.49
45.167	0.00	0.04	0.125	0					2.49
45.250	0.00	0.04	0.125	0					2.48
45.333	0.00	0.04	0.125	0					2.48
45.417	0.00	0.04	0.124	0					2.48
45.500	0.00	0.04	0.124	0					2.47
45.583	0.00	0.04	0.124	0					2.47
45.667	0.00	0.04	0.123	0					2.46
45.750	0.00	0.04	0.123	0					2.46
45.833	0.00	0.04	0.123	0					2.45
45.917	0.00	0.04	0.123	0					2.45
46.000	0.00	0.04	0.122	0					2.44
46.083	0.00	0.04	0.122	0					2.44
46.167	0.00	0.04	0.122	0					2.44
46.250	0.00	0.04	0.121	0					2.43
46.333	0.00	0.04	0.121	0					2.43
46.417	0.00	0.04	0.121	0					2.42
46.500	0.00	0.04	0.120	0					2.42
46.583	0.00	0.04	0.120	0					2.41
46.667	0.00	0.04	0.120	0					2.41
46.750	0.00	0.04	0.120	0					2.41
46.833	0.00	0.04	0.119	0					2.40
46.917	0.00	0.04	0.119	0					2.40
47.000	0.00	0.04	0.119	0					2.39
47.083	0.00	0.04	0.118	0					2.39
47.167	0.00	0.04	0.118	0					2.38
47.250	0.00	0.04	0.118	0					2.38
47.333	0.00	0.04	0.118	0					2.38
47.417	0.00	0.04	0.117	0					2.37
47.500	0.00	0.04	0.117	0					2.37
47.583	0.00	0.04	0.117	0					2.36
47.667	0.00	0.04	0.116	0					2.36

47.750	0.00	0.04	0.116	0					2.35
47.833	0.00	0.04	0.116	0					2.35
47.917	0.00	0.04	0.115	0					2.35
48.000	0.00	0.04	0.115	0					2.34
48.083	0.00	0.04	0.115	0					2.34
48.167	0.00	0.04	0.115	0					2.33
48.250	0.00	0.04	0.114	0					2.33
48.333	0.00	0.04	0.114	0					2.32
48.417	0.00	0.04	0.114	0					2.32
48.500	0.00	0.04	0.113	0					2.32
48.583	0.00	0.04	0.113	0					2.31
48.667	0.00	0.04	0.113	0					2.31
48.750	0.00	0.04	0.113	0					2.30
48.833	0.00	0.04	0.112	0					2.30
48.917	0.00	0.04	0.112	0					2.29
49.000	0.00	0.04	0.112	0					2.29
49.083	0.00	0.04	0.111	0					2.29
49.167	0.00	0.04	0.111	0					2.28
49.250	0.00	0.04	0.111	0					2.28
49.333	0.00	0.04	0.111	0					2.27
49.417	0.00	0.04	0.110	0					2.27
49.500	0.00	0.04	0.110	0					2.27
49.583	0.00	0.04	0.110	0					2.26
49.667	0.00	0.04	0.109	0					2.26
49.750	0.00	0.04	0.109	0					2.25
49.833	0.00	0.04	0.109	0					2.25
49.917	0.00	0.04	0.109	0					2.24
50.000	0.00	0.04	0.108	0					2.24
50.083	0.00	0.04	0.108	0					2.24
50.167	0.00	0.04	0.108	0					2.23
50.250	0.00	0.04	0.107	0					2.23
50.333	0.00	0.04	0.107	0					2.22
50.417	0.00	0.04	0.107	0					2.22
50.500	0.00	0.04	0.107	0					2.22
50.583	0.00	0.04	0.106	0					2.21
50.667	0.00	0.04	0.106	0					2.21
50.750	0.00	0.04	0.106	0					2.20
50.833	0.00	0.04	0.106	0					2.20
50.917	0.00	0.04	0.105	0					2.19
51.000	0.00	0.04	0.105	0					2.19
51.083	0.00	0.04	0.105	0					2.19
51.167	0.00	0.04	0.104	0					2.18
51.250	0.00	0.04	0.104	0					2.18
51.333	0.00	0.04	0.104	0					2.17
51.417	0.00	0.04	0.104	0					2.17
51.500	0.00	0.04	0.103	0					2.17
51.583	0.00	0.04	0.103	0					2.16
51.667	0.00	0.04	0.103	0					2.16
51.750	0.00	0.04	0.102	0					2.15
51.833	0.00	0.04	0.102	0					2.15

51.917	0.00	0.04	0.102	0					2.15
52.000	0.00	0.04	0.102	0					2.14
52.083	0.00	0.04	0.101	0					2.14
52.167	0.00	0.04	0.101	0					2.13
52.250	0.00	0.04	0.101	0					2.13
52.333	0.00	0.04	0.100	0					2.12
52.417	0.00	0.04	0.100	0					2.12
52.500	0.00	0.04	0.100	0					2.12
52.583	0.00	0.04	0.100	0					2.11
52.667	0.00	0.04	0.099	0					2.11
52.750	0.00	0.04	0.099	0					2.10
52.833	0.00	0.04	0.099	0					2.10
52.917	0.00	0.04	0.099	0					2.10
53.000	0.00	0.04	0.098	0					2.09
53.083	0.00	0.04	0.098	0					2.09
53.167	0.00	0.04	0.098	0					2.08
53.250	0.00	0.04	0.097	0					2.08
53.333	0.00	0.04	0.097	0					2.08
53.417	0.00	0.04	0.097	0					2.07
53.500	0.00	0.04	0.097	0					2.07
53.583	0.00	0.04	0.096	0					2.06
53.667	0.00	0.04	0.096	0					2.06
53.750	0.00	0.04	0.096	0					2.06
53.833	0.00	0.04	0.096	0					2.05
53.917	0.00	0.04	0.095	0					2.05
54.000	0.00	0.04	0.095	0					2.04
54.083	0.00	0.04	0.095	0					2.04
54.167	0.00	0.04	0.094	0					2.04
54.250	0.00	0.04	0.094	0					2.03
54.333	0.00	0.04	0.094	0					2.03
54.417	0.00	0.04	0.094	0					2.02
54.500	0.00	0.04	0.093	0					2.02
54.583	0.00	0.04	0.093	0					2.02
54.667	0.00	0.04	0.093	0					2.01
54.750	0.00	0.04	0.093	0					2.01
54.833	0.00	0.04	0.092	0					2.00
54.917	0.00	0.04	0.092	0					2.00
55.000	0.00	0.04	0.092	0					2.00
55.083	0.00	0.04	0.092	0					1.99
55.167	0.00	0.04	0.091	0					1.99
55.250	0.00	0.04	0.091	0					1.98
55.333	0.00	0.04	0.091	0					1.98
55.417	0.00	0.04	0.090	0					1.97
55.500	0.00	0.04	0.090	0					1.97
55.583	0.00	0.04	0.090	0					1.96
55.667	0.00	0.04	0.090	0					1.96
55.750	0.00	0.04	0.089	0					1.95
55.833	0.00	0.04	0.089	0					1.95
55.917	0.00	0.04	0.089	0					1.94
56.000	0.00	0.04	0.089	0					1.94

56.083	0.00	0.04	0.088	0					1.94
56.167	0.00	0.04	0.088	0					1.93
56.250	0.00	0.04	0.088	0					1.93
56.333	0.00	0.04	0.088	0					1.92
56.417	0.00	0.04	0.087	0					1.92
56.500	0.00	0.04	0.087	0					1.91
56.583	0.00	0.04	0.087	0					1.91
56.667	0.00	0.04	0.086	0					1.90
56.750	0.00	0.04	0.086	0					1.90
56.833	0.00	0.04	0.086	0					1.89
56.917	0.00	0.04	0.086	0					1.89
57.000	0.00	0.04	0.085	0					1.88
57.083	0.00	0.04	0.085	0					1.88
57.167	0.00	0.04	0.085	0					1.88
57.250	0.00	0.04	0.085	0					1.87
57.333	0.00	0.04	0.084	0					1.87
57.417	0.00	0.04	0.084	0					1.86
57.500	0.00	0.04	0.084	0					1.86
57.583	0.00	0.04	0.084	0					1.85
57.667	0.00	0.04	0.083	0					1.85
57.750	0.00	0.04	0.083	0					1.84
57.833	0.00	0.04	0.083	0					1.84
57.917	0.00	0.04	0.083	0					1.84
58.000	0.00	0.04	0.082	0					1.83
58.083	0.00	0.04	0.082	0					1.83
58.167	0.00	0.04	0.082	0					1.82
58.250	0.00	0.04	0.082	0					1.82
58.333	0.00	0.04	0.081	0					1.81
58.417	0.00	0.04	0.081	0					1.81
58.500	0.00	0.04	0.081	0					1.80
58.583	0.00	0.04	0.081	0					1.80
58.667	0.00	0.04	0.080	0					1.79
58.750	0.00	0.04	0.080	0					1.79
58.833	0.00	0.04	0.080	0					1.79
58.917	0.00	0.04	0.080	0					1.78
59.000	0.00	0.04	0.079	0					1.78
59.083	0.00	0.04	0.079	0					1.77
59.167	0.00	0.04	0.079	0					1.77
59.250	0.00	0.04	0.079	0					1.76
59.333	0.00	0.04	0.078	0					1.76
59.417	0.00	0.04	0.078	0					1.76
59.500	0.00	0.04	0.078	0					1.75
59.583	0.00	0.04	0.078	0					1.75
59.667	0.00	0.04	0.077	0					1.74
59.750	0.00	0.04	0.077	0					1.74
59.833	0.00	0.04	0.077	0					1.73
59.917	0.00	0.04	0.077	0					1.73
60.000	0.00	0.04	0.076	0					1.72
60.083	0.00	0.04	0.076	0					1.72
60.167	0.00	0.04	0.076	0					1.72

60.250	0.00	0.04	0.076	0					1.71
60.333	0.00	0.04	0.075	0					1.71
60.417	0.00	0.04	0.075	0					1.70
60.500	0.00	0.04	0.075	0					1.70
60.583	0.00	0.04	0.075	0					1.69
60.667	0.00	0.04	0.074	0					1.69
60.750	0.00	0.04	0.074	0					1.69
60.833	0.00	0.04	0.074	0					1.68
60.917	0.00	0.04	0.074	0					1.68
61.000	0.00	0.04	0.073	0					1.67
61.083	0.00	0.04	0.073	0					1.67
61.167	0.00	0.04	0.073	0					1.66
61.250	0.00	0.04	0.073	0					1.66
61.333	0.00	0.04	0.072	0					1.66
61.417	0.00	0.04	0.072	0					1.65
61.500	0.00	0.04	0.072	0					1.65
61.583	0.00	0.04	0.072	0					1.64
61.667	0.00	0.04	0.071	0					1.64
61.750	0.00	0.03	0.071	0					1.63
61.833	0.00	0.03	0.071	0					1.63
61.917	0.00	0.03	0.071	0					1.63
62.000	0.00	0.03	0.070	0					1.62
62.083	0.00	0.03	0.070	0					1.62
62.167	0.00	0.03	0.070	0					1.61
62.250	0.00	0.03	0.070	0					1.61
62.333	0.00	0.03	0.069	0					1.61
62.417	0.00	0.03	0.069	0					1.60
62.500	0.00	0.03	0.069	0					1.60
62.583	0.00	0.03	0.069	0					1.59
62.667	0.00	0.03	0.069	0					1.59
62.750	0.00	0.03	0.068	0					1.58
62.833	0.00	0.03	0.068	0					1.58
62.917	0.00	0.03	0.068	0					1.58
63.000	0.00	0.03	0.068	0					1.57
63.083	0.00	0.03	0.067	0					1.57
63.167	0.00	0.03	0.067	0					1.56
63.250	0.00	0.03	0.067	0					1.56
63.333	0.00	0.03	0.067	0					1.56
63.417	0.00	0.03	0.066	0					1.55
63.500	0.00	0.03	0.066	0					1.55
63.583	0.00	0.03	0.066	0					1.54
63.667	0.00	0.03	0.066	0					1.54
63.750	0.00	0.03	0.065	0					1.53
63.833	0.00	0.03	0.065	0					1.53
63.917	0.00	0.03	0.065	0					1.53
64.000	0.00	0.03	0.065	0					1.52
64.083	0.00	0.03	0.065	0					1.52
64.167	0.00	0.03	0.064	0					1.51
64.250	0.00	0.03	0.064	0					1.51
64.333	0.00	0.03	0.064	0					1.51

64.417	0.00	0.03	0.064	0					1.50
64.500	0.00	0.03	0.063	0					1.50
64.583	0.00	0.03	0.063	0					1.49
64.667	0.00	0.03	0.063	0					1.49
64.750	0.00	0.03	0.063	0					1.49
64.833	0.00	0.03	0.062	0					1.48
64.917	0.00	0.03	0.062	0					1.48
65.000	0.00	0.03	0.062	0					1.47
65.083	0.00	0.03	0.062	0					1.47
65.167	0.00	0.03	0.062	0					1.47
65.250	0.00	0.03	0.061	0					1.46
65.333	0.00	0.03	0.061	0					1.46
65.417	0.00	0.03	0.061	0					1.45
65.500	0.00	0.03	0.061	0					1.45
65.583	0.00	0.03	0.060	0					1.45
65.667	0.00	0.03	0.060	0					1.44
65.750	0.00	0.03	0.060	0					1.44
65.833	0.00	0.03	0.060	0					1.43
65.917	0.00	0.03	0.060	0					1.43
66.000	0.00	0.03	0.059	0					1.43
66.083	0.00	0.03	0.059	0					1.42
66.167	0.00	0.03	0.059	0					1.42
66.250	0.00	0.03	0.059	0					1.41
66.333	0.00	0.03	0.058	0					1.41
66.417	0.00	0.03	0.058	0					1.41
66.500	0.00	0.03	0.058	0					1.40
66.583	0.00	0.03	0.058	0					1.40
66.667	0.00	0.03	0.057	0					1.39
66.750	0.00	0.03	0.057	0					1.39
66.833	0.00	0.03	0.057	0					1.39
66.917	0.00	0.03	0.057	0					1.38
67.000	0.00	0.03	0.057	0					1.38
67.083	0.00	0.03	0.056	0					1.38
67.167	0.00	0.03	0.056	0					1.37
67.250	0.00	0.03	0.056	0					1.37
67.333	0.00	0.03	0.056	0					1.36
67.417	0.00	0.03	0.056	0					1.36
67.500	0.00	0.03	0.055	0					1.36
67.583	0.00	0.03	0.055	0					1.35
67.667	0.00	0.03	0.055	0					1.35
67.750	0.00	0.03	0.055	0					1.34
67.833	0.00	0.03	0.054	0					1.34
67.917	0.00	0.03	0.054	0					1.34
68.000	0.00	0.03	0.054	0					1.33
68.083	0.00	0.03	0.054	0					1.33
68.167	0.00	0.03	0.054	0					1.33
68.250	0.00	0.03	0.053	0					1.32
68.333	0.00	0.03	0.053	0					1.32
68.417	0.00	0.03	0.053	0					1.31
68.500	0.00	0.03	0.053	0					1.31

68.583	0.00	0.03	0.052	0					1.31
68.667	0.00	0.03	0.052	0					1.30
68.750	0.00	0.03	0.052	0					1.30
68.833	0.00	0.03	0.052	0					1.29
68.917	0.00	0.03	0.052	0					1.29
69.000	0.00	0.03	0.051	0					1.29
69.083	0.00	0.03	0.051	0					1.28
69.167	0.00	0.03	0.051	0					1.28
69.250	0.00	0.03	0.051	0					1.28
69.333	0.00	0.03	0.051	0					1.27
69.417	0.00	0.03	0.050	0					1.27
69.500	0.00	0.03	0.050	0					1.26
69.583	0.00	0.03	0.050	0					1.26
69.667	0.00	0.03	0.050	0					1.26
69.750	0.00	0.03	0.049	0					1.25
69.833	0.00	0.03	0.049	0					1.25
69.917	0.00	0.03	0.049	0					1.25
70.000	0.00	0.03	0.049	0					1.24
70.083	0.00	0.03	0.049	0					1.24
70.167	0.00	0.03	0.048	0					1.24
70.250	0.00	0.03	0.048	0					1.23
70.333	0.00	0.03	0.048	0					1.23
70.417	0.00	0.03	0.048	0					1.22
70.500	0.00	0.03	0.048	0					1.22
70.583	0.00	0.03	0.047	0					1.22
70.667	0.00	0.03	0.047	0					1.21
70.750	0.00	0.03	0.047	0					1.21
70.833	0.00	0.03	0.047	0					1.21
70.917	0.00	0.03	0.047	0					1.20
71.000	0.00	0.03	0.046	0					1.20
71.083	0.00	0.03	0.046	0					1.19
71.167	0.00	0.03	0.046	0					1.19
71.250	0.00	0.03	0.046	0					1.19
71.333	0.00	0.03	0.045	0					1.18
71.417	0.00	0.03	0.045	0					1.18
71.500	0.00	0.03	0.045	0					1.18
71.583	0.00	0.03	0.045	0					1.17
71.667	0.00	0.03	0.045	0					1.17
71.750	0.00	0.03	0.044	0					1.17
71.833	0.00	0.03	0.044	0					1.16
71.917	0.00	0.03	0.044	0					1.16
72.000	0.00	0.03	0.044	0					1.15
72.083	0.00	0.03	0.044	0					1.15
72.167	0.00	0.03	0.043	0					1.15
72.250	0.00	0.03	0.043	0					1.14
72.333	0.00	0.03	0.043	0					1.14
72.417	0.00	0.03	0.043	0					1.14
72.500	0.00	0.03	0.043	0					1.13
72.583	0.00	0.03	0.042	0					1.13
72.667	0.00	0.03	0.042	0					1.13

72.750	0.00	0.03	0.042	0					1.12
72.833	0.00	0.03	0.042	0					1.12
72.917	0.00	0.03	0.042	0					1.12
73.000	0.00	0.03	0.041	0					1.11
73.083	0.00	0.03	0.041	0					1.11
73.167	0.00	0.03	0.041	0					1.11
73.250	0.00	0.03	0.041	0					1.10
73.333	0.00	0.03	0.041	0					1.10
73.417	0.00	0.03	0.040	0					1.09
73.500	0.00	0.03	0.040	0					1.09
73.583	0.00	0.03	0.040	0					1.09
73.667	0.00	0.03	0.040	0					1.08
73.750	0.00	0.03	0.040	0					1.08
73.833	0.00	0.03	0.039	0					1.08
73.917	0.00	0.03	0.039	0					1.07
74.000	0.00	0.03	0.039	0					1.07
74.083	0.00	0.03	0.039	0					1.07
74.167	0.00	0.03	0.039	0					1.06
74.250	0.00	0.03	0.038	0					1.06
74.333	0.00	0.03	0.038	0					1.06
74.417	0.00	0.03	0.038	0					1.05
74.500	0.00	0.03	0.038	0					1.05
74.583	0.00	0.03	0.038	0					1.05
74.667	0.00	0.03	0.037	0					1.04
74.750	0.00	0.03	0.037	0					1.04
74.833	0.00	0.03	0.037	0					1.04
74.917	0.00	0.03	0.037	0					1.03
75.000	0.00	0.03	0.037	0					1.03
75.083	0.00	0.03	0.036	0					1.03
75.167	0.00	0.03	0.036	0					1.02
75.250	0.00	0.03	0.036	0					1.02
75.333	0.00	0.03	0.036	0					1.02
75.417	0.00	0.03	0.036	0					1.01
75.500	0.00	0.03	0.035	0					1.01
75.583	0.00	0.03	0.035	0					1.00
75.667	0.00	0.03	0.035	0					1.00
75.750	0.00	0.03	0.035	0					1.00
75.833	0.00	0.03	0.035	0					0.99
75.917	0.00	0.03	0.035	0					0.99
76.000	0.00	0.03	0.034	0					0.98
76.083	0.00	0.03	0.034	0					0.98
76.167	0.00	0.03	0.034	0					0.97
76.250	0.00	0.03	0.034	0					0.97
76.333	0.00	0.03	0.034	0					0.96
76.417	0.00	0.03	0.033	0					0.96
76.500	0.00	0.03	0.033	0					0.95
76.583	0.00	0.03	0.033	0					0.95
76.667	0.00	0.03	0.033	0					0.94
76.750	0.00	0.03	0.033	0					0.94
76.833	0.00	0.03	0.032	0					0.93

76.917	0.00	0.03	0.032	0					0.93
77.000	0.00	0.03	0.032	0					0.92
77.083	0.00	0.03	0.032	0					0.92
77.167	0.00	0.03	0.032	0					0.91
77.250	0.00	0.03	0.032	0					0.91
77.333	0.00	0.03	0.031	0					0.90
77.417	0.00	0.03	0.031	0					0.90
77.500	0.00	0.03	0.031	0					0.89
77.583	0.00	0.03	0.031	0					0.89
77.667	0.00	0.03	0.031	0					0.88
77.750	0.00	0.03	0.031	0					0.88
77.833	0.00	0.02	0.030	0					0.87
77.917	0.00	0.02	0.030	0					0.87
78.000	0.00	0.02	0.030	0					0.86
78.083	0.00	0.02	0.030	0					0.86
78.167	0.00	0.02	0.030	0					0.85
78.250	0.00	0.02	0.030	0					0.85
78.333	0.00	0.02	0.029	0					0.85
78.417	0.00	0.02	0.029	0					0.84
78.500	0.00	0.02	0.029	0					0.84
78.583	0.00	0.02	0.029	0					0.83
78.667	0.00	0.02	0.029	0					0.83
78.750	0.00	0.02	0.029	0					0.82
78.833	0.00	0.02	0.028	0					0.82
78.917	0.00	0.02	0.028	0					0.81
79.000	0.00	0.02	0.028	0					0.81
79.083	0.00	0.02	0.028	0					0.81
79.167	0.00	0.02	0.028	0					0.80
79.250	0.00	0.02	0.028	0					0.80
79.333	0.00	0.02	0.027	0					0.79
79.417	0.00	0.02	0.027	0					0.79
79.500	0.00	0.02	0.027	0					0.78
79.583	0.00	0.02	0.027	0					0.78
79.667	0.00	0.02	0.027	0					0.78
79.750	0.00	0.02	0.027	0					0.77
79.833	0.00	0.02	0.026	0					0.77
79.917	0.00	0.02	0.026	0					0.76
80.000	0.00	0.02	0.026	0					0.76
80.083	0.00	0.02	0.026	0					0.75
80.167	0.00	0.02	0.026	0					0.75
80.250	0.00	0.02	0.026	0					0.75
80.333	0.00	0.02	0.026	0					0.74
80.417	0.00	0.02	0.025	0					0.74
80.500	0.00	0.02	0.025	0					0.73
80.583	0.00	0.02	0.025	0					0.73
80.667	0.00	0.02	0.025	0					0.73
80.750	0.00	0.02	0.025	0					0.72
80.833	0.00	0.02	0.025	0					0.72
80.917	0.00	0.02	0.025	0					0.71
81.000	0.00	0.02	0.024	0					0.71

81.083	0.00	0.02	0.024	0					0.71
81.167	0.00	0.02	0.024	0					0.70
81.250	0.00	0.02	0.024	0					0.70
81.333	0.00	0.02	0.024	0					0.69
81.417	0.00	0.02	0.024	0					0.69
81.500	0.00	0.02	0.024	0					0.69
81.583	0.00	0.02	0.023	0					0.68
81.667	0.00	0.02	0.023	0					0.68
81.750	0.00	0.02	0.023	0					0.68
81.833	0.00	0.02	0.023	0					0.67
81.917	0.00	0.02	0.023	0					0.67
82.000	0.00	0.02	0.023	0					0.66
82.083	0.00	0.02	0.023	0					0.66
82.167	0.00	0.02	0.022	0					0.66
82.250	0.00	0.02	0.022	0					0.65
82.333	0.00	0.02	0.022	0					0.65
82.417	0.00	0.02	0.022	0					0.65
82.500	0.00	0.02	0.022	0					0.64
82.583	0.00	0.02	0.022	0					0.64
82.667	0.00	0.02	0.022	0					0.64
82.750	0.00	0.02	0.021	0					0.63
82.833	0.00	0.02	0.021	0					0.63
82.917	0.00	0.02	0.021	0					0.62
83.000	0.00	0.02	0.021	0					0.62
83.083	0.00	0.02	0.021	0					0.62
83.167	0.00	0.02	0.021	0					0.61
83.250	0.00	0.02	0.021	0					0.61
83.333	0.00	0.02	0.021	0					0.61
83.417	0.00	0.02	0.020	0					0.60
83.500	0.00	0.02	0.020	0					0.60
83.583	0.00	0.02	0.020	0					0.60
83.667	0.00	0.02	0.020	0					0.59
83.750	0.00	0.02	0.020	0					0.59
83.833	0.00	0.02	0.020	0					0.59
83.917	0.00	0.02	0.020	0					0.58
84.000	0.00	0.02	0.020	0					0.58
84.083	0.00	0.02	0.019	0					0.58
84.167	0.00	0.02	0.019	0					0.57
84.250	0.00	0.02	0.019	0					0.57
84.333	0.00	0.02	0.019	0					0.57
84.417	0.00	0.02	0.019	0					0.56
84.500	0.00	0.02	0.019	0					0.56
84.583	0.00	0.02	0.019	0					0.56
84.667	0.00	0.02	0.019	0					0.55
84.750	0.00	0.02	0.019	0					0.55
84.833	0.00	0.02	0.018	0					0.55
84.917	0.00	0.02	0.018	0					0.54
85.000	0.00	0.02	0.018	0					0.54
85.083	0.00	0.02	0.018	0					0.54
85.167	0.00	0.02	0.018	0					0.53

85.250	0.00	0.02	0.018	0					0.53
85.333	0.00	0.02	0.018	0					0.53
85.417	0.00	0.02	0.018	0					0.53
85.500	0.00	0.02	0.017	0					0.52
85.583	0.00	0.02	0.017	0					0.52
85.667	0.00	0.02	0.017	0					0.52
85.750	0.00	0.02	0.017	0					0.51
85.833	0.00	0.02	0.017	0					0.51
85.917	0.00	0.02	0.017	0					0.51
86.000	0.00	0.02	0.017	0					0.50
86.083	0.00	0.02	0.017	0					0.50
86.167	0.00	0.02	0.017	0					0.50
86.250	0.00	0.02	0.016	0					0.50
86.333	0.00	0.02	0.016	0					0.49
86.417	0.00	0.02	0.016	0					0.49
86.500	0.00	0.02	0.016	0					0.49
86.583	0.00	0.02	0.016	0					0.48
86.667	0.00	0.02	0.016	0					0.48
86.750	0.00	0.02	0.016	0					0.48
86.833	0.00	0.02	0.016	0					0.48
86.917	0.00	0.02	0.016	0					0.47
87.000	0.00	0.02	0.016	0					0.47
87.083	0.00	0.01	0.015	0					0.47
87.167	0.00	0.01	0.015	0					0.46
87.250	0.00	0.01	0.015	0					0.46
87.333	0.00	0.01	0.015	0					0.46
87.417	0.00	0.01	0.015	0					0.46
87.500	0.00	0.01	0.015	0					0.45
87.583	0.00	0.01	0.015	0					0.45
87.667	0.00	0.01	0.015	0					0.45
87.750	0.00	0.01	0.015	0					0.44
87.833	0.00	0.01	0.015	0					0.44
87.917	0.00	0.01	0.014	0					0.44
88.000	0.00	0.01	0.014	0					0.44
88.083	0.00	0.01	0.014	0					0.43
88.167	0.00	0.01	0.014	0					0.43
88.250	0.00	0.01	0.014	0					0.43
88.333	0.00	0.01	0.014	0					0.43
88.417	0.00	0.01	0.014	0					0.42
88.500	0.00	0.01	0.014	0					0.42
88.583	0.00	0.01	0.014	0					0.42
88.667	0.00	0.01	0.014	0					0.42
88.750	0.00	0.01	0.013	0					0.41
88.833	0.00	0.01	0.013	0					0.41
88.917	0.00	0.01	0.013	0					0.41
89.000	0.00	0.01	0.013	0					0.41
89.083	0.00	0.01	0.013	0					0.40
89.167	0.00	0.01	0.013	0					0.40
89.250	0.00	0.01	0.013	0					0.40
89.333	0.00	0.01	0.013	0					0.40

89.417	0.00	0.01	0.013	0					0.39
89.500	0.00	0.01	0.013	0					0.39
89.583	0.00	0.01	0.013	0					0.39
89.667	0.00	0.01	0.012	0					0.39
89.750	0.00	0.01	0.012	0					0.38
89.833	0.00	0.01	0.012	0					0.38
89.917	0.00	0.01	0.012	0					0.38
90.000	0.00	0.01	0.012	0					0.38
90.083	0.00	0.01	0.012	0					0.37
90.167	0.00	0.01	0.012	0					0.37
90.250	0.00	0.01	0.012	0					0.37
90.333	0.00	0.01	0.012	0					0.37
90.417	0.00	0.01	0.012	0					0.36
90.500	0.00	0.01	0.012	0					0.36
90.583	0.00	0.01	0.012	0					0.36
90.667	0.00	0.01	0.011	0					0.36
90.750	0.00	0.01	0.011	0					0.35
90.833	0.00	0.01	0.011	0					0.35
90.917	0.00	0.01	0.011	0					0.35
91.000	0.00	0.01	0.011	0					0.35
91.083	0.00	0.01	0.011	0					0.35
91.167	0.00	0.01	0.011	0					0.34
91.250	0.00	0.01	0.011	0					0.34
91.333	0.00	0.01	0.011	0					0.34
91.417	0.00	0.01	0.011	0					0.34
91.500	0.00	0.01	0.011	0					0.33
91.583	0.00	0.01	0.011	0					0.33
91.667	0.00	0.01	0.010	0					0.33
91.750	0.00	0.01	0.010	0					0.33
91.833	0.00	0.01	0.010	0					0.33
91.917	0.00	0.01	0.010	0					0.32
92.000	0.00	0.01	0.010	0					0.32
92.083	0.00	0.01	0.010	0					0.32
92.167	0.00	0.01	0.010	0					0.32
92.250	0.00	0.01	0.010	0					0.31
92.333	0.00	0.01	0.010	0					0.31
92.417	0.00	0.01	0.010	0					0.31
92.500	0.00	0.01	0.010	0					0.31
92.583	0.00	0.01	0.010	0					0.31
92.667	0.00	0.01	0.009	0					0.30
92.750	0.00	0.01	0.009	0					0.30
92.833	0.00	0.01	0.009	0					0.30
92.917	0.00	0.01	0.009	0					0.30
93.000	0.00	0.01	0.009	0					0.30
93.083	0.00	0.01	0.009	0					0.29
93.167	0.00	0.01	0.009	0					0.29
93.250	0.00	0.01	0.009	0					0.29
93.333	0.00	0.01	0.009	0					0.29
93.417	0.00	0.01	0.009	0					0.29
93.500	0.00	0.01	0.009	0					0.28

93.583	0.00	0.01	0.009	0					0.28
93.667	0.00	0.01	0.009	0					0.28
93.750	0.00	0.01	0.009	0					0.28
93.833	0.00	0.01	0.008	0					0.28
93.917	0.00	0.01	0.008	0					0.27
94.000	0.00	0.01	0.008	0					0.27
94.083	0.00	0.01	0.008	0					0.27
94.167	0.00	0.01	0.008	0					0.27
94.250	0.00	0.01	0.008	0					0.27
94.333	0.00	0.01	0.008	0					0.26
94.417	0.00	0.01	0.008	0					0.26
94.500	0.00	0.01	0.008	0					0.26
94.583	0.00	0.01	0.008	0					0.26
94.667	0.00	0.01	0.008	0					0.26
94.750	0.00	0.01	0.008	0					0.26
94.833	0.00	0.01	0.008	0					0.25
94.917	0.00	0.01	0.008	0					0.25
95.000	0.00	0.01	0.008	0					0.25
95.083	0.00	0.01	0.007	0					0.25
95.167	0.00	0.01	0.007	0					0.25
95.250	0.00	0.01	0.007	0					0.24
95.333	0.00	0.01	0.007	0					0.24
95.417	0.00	0.01	0.007	0					0.24
95.500	0.00	0.01	0.007	0					0.24
95.583	0.00	0.01	0.007	0					0.24
95.667	0.00	0.01	0.007	0					0.24
95.750	0.00	0.01	0.007	0					0.23
95.833	0.00	0.01	0.007	0					0.23
95.917	0.00	0.01	0.007	0					0.23
96.000	0.00	0.01	0.007	0					0.23
96.083	0.00	0.01	0.007	0					0.23
96.167	0.00	0.01	0.007	0					0.23
96.250	0.00	0.01	0.007	0					0.22
96.333	0.00	0.01	0.006	0					0.22
96.417	0.00	0.01	0.006	0					0.22
96.500	0.00	0.01	0.006	0					0.22
96.583	0.00	0.01	0.006	0					0.22
96.667	0.00	0.01	0.006	0					0.22
96.750	0.00	0.01	0.006	0					0.21
96.833	0.00	0.01	0.006	0					0.21
96.917	0.00	0.01	0.006	0					0.21
97.000	0.00	0.01	0.006	0					0.21
97.083	0.00	0.01	0.006	0					0.21
97.167	0.00	0.01	0.006	0					0.21
97.250	0.00	0.01	0.006	0					0.20
97.333	0.00	0.01	0.006	0					0.20
97.417	0.00	0.01	0.006	0					0.20
97.500	0.00	0.01	0.006	0					0.20
97.583	0.00	0.01	0.006	0					0.20
97.667	0.00	0.01	0.006	0					0.20

97.750	0.00	0.01	0.005	0					0.19
97.833	0.00	0.01	0.005	0					0.19
97.917	0.00	0.01	0.005	0					0.19
98.000	0.00	0.01	0.005	0					0.19
98.083	0.00	0.01	0.005	0					0.19
98.167	0.00	0.01	0.005	0					0.19
98.250	0.00	0.01	0.005	0					0.19
98.333	0.00	0.01	0.005	0					0.18
98.417	0.00	0.01	0.005	0					0.18
98.500	0.00	0.01	0.005	0					0.18
98.583	0.00	0.01	0.005	0					0.18
98.667	0.00	0.01	0.005	0					0.18
98.750	0.00	0.01	0.005	0					0.18
98.833	0.00	0.01	0.005	0					0.17
98.917	0.00	0.01	0.005	0					0.17
99.000	0.00	0.01	0.005	0					0.17
99.083	0.00	0.01	0.005	0					0.17
99.167	0.00	0.01	0.005	0					0.17
99.250	0.00	0.01	0.004	0					0.17
99.333	0.00	0.01	0.004	0					0.17
99.417	0.00	0.01	0.004	0					0.16
99.500	0.00	0.01	0.004	0					0.16
99.583	0.00	0.01	0.004	0					0.16
99.667	0.00	0.01	0.004	0					0.16
99.750	0.00	0.01	0.004	0					0.16
99.833	0.00	0.01	0.004	0					0.16
99.917	0.00	0.01	0.004	0					0.16
100.000	0.00	0.01	0.004	0					0.15
100.083	0.00	0.01	0.004	0					0.15
100.167	0.00	0.01	0.004	0					0.15
100.250	0.00	0.01	0.004	0					0.15
100.333	0.00	0.01	0.004	0					0.15
100.417	0.00	0.01	0.004	0					0.15
100.500	0.00	0.01	0.004	0					0.15
100.583	0.00	0.01	0.004	0					0.15
100.667	0.00	0.01	0.004	0					0.14
100.750	0.00	0.01	0.004	0					0.14
100.833	0.00	0.01	0.004	0					0.14
100.917	0.00	0.01	0.003	0					0.14
101.000	0.00	0.01	0.003	0					0.14
101.083	0.00	0.01	0.003	0					0.14
101.167	0.00	0.01	0.003	0					0.14
101.250	0.00	0.01	0.003	0					0.13
101.333	0.00	0.01	0.003	0					0.13
101.417	0.00	0.01	0.003	0					0.13
101.500	0.00	0.01	0.003	0					0.13
101.583	0.00	0.01	0.003	0					0.13
101.667	0.00	0.01	0.003	0					0.13
101.750	0.00	0.01	0.003	0					0.13
101.833	0.00	0.01	0.003	0					0.13

101.917	0.00	0.01	0.003	0					0.12
102.000	0.00	0.01	0.003	0					0.12
102.083	0.00	0.01	0.003	0					0.12
102.167	0.00	0.01	0.003	0					0.12
102.250	0.00	0.01	0.003	0					0.12
102.333	0.00	0.01	0.003	0					0.12
102.417	0.00	0.01	0.003	0					0.12
102.500	0.00	0.01	0.003	0					0.12
102.583	0.00	0.01	0.003	0					0.12
102.667	0.00	0.01	0.003	0					0.11
102.750	0.00	0.01	0.002	0					0.11
102.833	0.00	0.01	0.002	0					0.11
102.917	0.00	0.01	0.002	0					0.11
103.000	0.00	0.01	0.002	0					0.11
103.083	0.00	0.01	0.002	0					0.11
103.167	0.00	0.01	0.002	0					0.11
103.250	0.00	0.01	0.002	0					0.11
103.333	0.00	0.01	0.002	0					0.10
103.417	0.00	0.01	0.002	0					0.10
103.500	0.00	0.01	0.002	0					0.10
103.583	0.00	0.01	0.002	0					0.10
103.667	0.00	0.01	0.002	0					0.10
103.750	0.00	0.01	0.002	0					0.10
103.833	0.00	0.01	0.002	0					0.10
103.917	0.00	0.01	0.002	0					0.09
104.000	0.00	0.01	0.002	0					0.09
104.083	0.00	0.01	0.002	0					0.09
104.167	0.00	0.01	0.002	0					0.09
104.250	0.00	0.01	0.002	0					0.09
104.333	0.00	0.01	0.002	0					0.08
104.417	0.00	0.00	0.002	0					0.08
104.500	0.00	0.00	0.002	0					0.08
104.583	0.00	0.00	0.002	0					0.08
104.667	0.00	0.00	0.002	0					0.08
104.750	0.00	0.00	0.002	0					0.08
104.833	0.00	0.00	0.001	0					0.07
104.917	0.00	0.00	0.001	0					0.07
105.000	0.00	0.00	0.001	0					0.07
105.083	0.00	0.00	0.001	0					0.07
105.167	0.00	0.00	0.001	0					0.07
105.250	0.00	0.00	0.001	0					0.07
105.333	0.00	0.00	0.001	0					0.07
105.417	0.00	0.00	0.001	0					0.06
105.500	0.00	0.00	0.001	0					0.06
105.583	0.00	0.00	0.001	0					0.06
105.667	0.00	0.00	0.001	0					0.06
105.750	0.00	0.00	0.001	0					0.06
105.833	0.00	0.00	0.001	0					0.06
105.917	0.00	0.00	0.001	0					0.06
106.000	0.00	0.00	0.001	0					0.06

106.083	0.00	0.00	0.001	0					0.05
106.167	0.00	0.00	0.001	0					0.05
106.250	0.00	0.00	0.001	0					0.05
106.333	0.00	0.00	0.001	0					0.05
106.417	0.00	0.00	0.001	0					0.05
106.500	0.00	0.00	0.001	0					0.05
106.583	0.00	0.00	0.001	0					0.05
106.667	0.00	0.00	0.001	0					0.05
106.750	0.00	0.00	0.001	0					0.05
106.833	0.00	0.00	0.001	0					0.05
106.917	0.00	0.00	0.001	0					0.04
107.000	0.00	0.00	0.001	0					0.04
107.083	0.00	0.00	0.001	0					0.04
107.167	0.00	0.00	0.001	0					0.04
107.250	0.00	0.00	0.001	0					0.04
107.333	0.00	0.00	0.001	0					0.04
107.417	0.00	0.00	0.001	0					0.04
107.500	0.00	0.00	0.001	0					0.04
107.583	0.00	0.00	0.001	0					0.04
107.667	0.00	0.00	0.001	0					0.04
107.750	0.00	0.00	0.001	0					0.04
107.833	0.00	0.00	0.001	0					0.04
107.917	0.00	0.00	0.001	0					0.03
108.000	0.00	0.00	0.001	0					0.03
108.083	0.00	0.00	0.001	0					0.03
108.167	0.00	0.00	0.001	0					0.03
108.250	0.00	0.00	0.001	0					0.03
108.333	0.00	0.00	0.001	0					0.03
108.417	0.00	0.00	0.001	0					0.03
108.500	0.00	0.00	0.001	0					0.03
108.583	0.00	0.00	0.001	0					0.03
108.667	0.00	0.00	0.001	0					0.03
108.750	0.00	0.00	0.001	0					0.03
108.833	0.00	0.00	0.001	0					0.03
108.917	0.00	0.00	0.001	0					0.03
109.000	0.00	0.00	0.001	0					0.03
109.083	0.00	0.00	0.001	0					0.03
109.167	0.00	0.00	0.001	0					0.03
109.250	0.00	0.00	0.001	0					0.03
109.333	0.00	0.00	0.000	0					0.02
109.417	0.00	0.00	0.000	0					0.02
109.500	0.00	0.00	0.000	0					0.02
109.583	0.00	0.00	0.000	0					0.02
109.667	0.00	0.00	0.000	0					0.02
109.750	0.00	0.00	0.000	0					0.02
109.833	0.00	0.00	0.000	0					0.02
109.917	0.00	0.00	0.000	0					0.02
110.000	0.00	0.00	0.000	0					0.02
110.083	0.00	0.00	0.000	0					0.02
110.167	0.00	0.00	0.000	0					0.02

110.250	0.00	0.00	0.000	0					0.02
110.333	0.00	0.00	0.000	0					0.02
110.417	0.00	0.00	0.000	0					0.02
110.500	0.00	0.00	0.000	0					0.02
110.583	0.00	0.00	0.000	0					0.02
110.667	0.00	0.00	0.000	0					0.02
110.750	0.00	0.00	0.000	0					0.02
110.833	0.00	0.00	0.000	0					0.02
110.917	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1331

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.535 (CFS)

Total volume = 0.365 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
100 yr
1 yr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da41100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 8.264 (CFS)
Total volume = 0.241 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.1	4.13	6.20	8.26	Depth (Ft.)
0.083	0.90	0.01	0.003	0 I					0.13
0.167	1.38	0.01	0.011	0 I					0.34
0.250	1.60	0.02	0.021	0 I					0.62
0.333	1.69	0.03	0.032	0 I					0.92
0.417	1.88	0.03	0.044	0 I					1.16
0.500	2.14	0.03	0.058	0 I					1.40
0.583	2.45	0.04	0.074	0 I					1.68
0.667	2.85	0.04	0.092	0 I	I				1.99
0.750	3.87	0.04	0.114	0 I	I				2.33
0.833	8.26	0.05	0.156	0 I				I	2.94
0.917	5.10	0.05	0.202	0 I		I			3.59
1.000	2.19	0.06	0.226	0 I	I				3.95
1.083	0.63	0.06	0.236	0 I					4.08
1.167	0.05	0.06	0.238	0 I					4.11
1.250	0.00	0.06	0.237	0 I					4.11
1.333	0.00	0.06	0.237	0 I					4.10
1.417	0.00	0.06	0.237	0 I					4.09
1.500	0.00	0.06	0.236	0 I					4.09
1.583	0.00	0.06	0.236	0 I					4.08
1.667	0.00	0.06	0.235	0 I					4.08
1.750	0.00	0.06	0.235	0 I					4.07
1.833	0.00	0.06	0.235	0 I					4.07

1.917	0.00	0.06	0.234	0					4.06
2.000	0.00	0.06	0.234	0					4.06
2.083	0.00	0.06	0.233	0					4.05
2.167	0.00	0.06	0.233	0					4.04
2.250	0.00	0.06	0.233	0					4.04
2.333	0.00	0.06	0.232	0					4.03
2.417	0.00	0.06	0.232	0					4.03
2.500	0.00	0.06	0.232	0					4.02
2.583	0.00	0.06	0.231	0					4.02
2.667	0.00	0.06	0.231	0					4.01
2.750	0.00	0.06	0.230	0					4.01
2.833	0.00	0.06	0.230	0					4.00
2.917	0.00	0.06	0.230	0					3.99
3.000	0.00	0.06	0.229	0					3.99
3.083	0.00	0.06	0.229	0					3.98
3.167	0.00	0.06	0.228	0					3.98
3.250	0.00	0.06	0.228	0					3.97
3.333	0.00	0.06	0.228	0					3.97
3.417	0.00	0.06	0.227	0					3.96
3.500	0.00	0.06	0.227	0					3.96
3.583	0.00	0.06	0.227	0					3.95
3.667	0.00	0.06	0.226	0					3.95
3.750	0.00	0.06	0.226	0					3.94
3.833	0.00	0.06	0.225	0					3.93
3.917	0.00	0.06	0.225	0					3.93
4.000	0.00	0.06	0.225	0					3.92
4.083	0.00	0.06	0.224	0					3.92
4.167	0.00	0.06	0.224	0					3.91
4.250	0.00	0.06	0.223	0					3.91
4.333	0.00	0.06	0.223	0					3.90
4.417	0.00	0.06	0.223	0					3.90
4.500	0.00	0.06	0.222	0					3.89
4.583	0.00	0.06	0.222	0					3.89
4.667	0.00	0.06	0.222	0					3.88
4.750	0.00	0.05	0.221	0					3.87
4.833	0.00	0.05	0.221	0					3.87
4.917	0.00	0.05	0.220	0					3.86
5.000	0.00	0.05	0.220	0					3.86
5.083	0.00	0.05	0.220	0					3.85
5.167	0.00	0.05	0.219	0					3.85
5.250	0.00	0.05	0.219	0					3.84
5.333	0.00	0.05	0.219	0					3.84
5.417	0.00	0.05	0.218	0					3.83
5.500	0.00	0.05	0.218	0					3.83
5.583	0.00	0.05	0.217	0					3.82
5.667	0.00	0.05	0.217	0					3.82
5.750	0.00	0.05	0.217	0					3.81
5.833	0.00	0.05	0.216	0					3.80
5.917	0.00	0.05	0.216	0					3.80
6.000	0.00	0.05	0.216	0					3.79

6.083	0.00	0.05	0.215	0					3.79
6.167	0.00	0.05	0.215	0					3.78
6.250	0.00	0.05	0.214	0					3.78
6.333	0.00	0.05	0.214	0					3.77
6.417	0.00	0.05	0.214	0					3.77
6.500	0.00	0.05	0.213	0					3.76
6.583	0.00	0.05	0.213	0					3.76
6.667	0.00	0.05	0.213	0					3.75
6.750	0.00	0.05	0.212	0					3.75
6.833	0.00	0.05	0.212	0					3.74
6.917	0.00	0.05	0.211	0					3.74
7.000	0.00	0.05	0.211	0					3.73
7.083	0.00	0.05	0.211	0					3.72
7.167	0.00	0.05	0.210	0					3.72
7.250	0.00	0.05	0.210	0					3.71
7.333	0.00	0.05	0.210	0					3.71
7.417	0.00	0.05	0.209	0					3.70
7.500	0.00	0.05	0.209	0					3.70
7.583	0.00	0.05	0.208	0					3.69
7.667	0.00	0.05	0.208	0					3.69
7.750	0.00	0.05	0.208	0					3.68
7.833	0.00	0.05	0.207	0					3.68
7.917	0.00	0.05	0.207	0					3.67
8.000	0.00	0.05	0.207	0					3.67
8.083	0.00	0.05	0.206	0					3.66
8.167	0.00	0.05	0.206	0					3.66
8.250	0.00	0.05	0.206	0					3.65
8.333	0.00	0.05	0.205	0					3.65
8.417	0.00	0.05	0.205	0					3.64
8.500	0.00	0.05	0.204	0					3.64
8.583	0.00	0.05	0.204	0					3.63
8.667	0.00	0.05	0.204	0					3.62
8.750	0.00	0.05	0.203	0					3.62
8.833	0.00	0.05	0.203	0					3.61
8.917	0.00	0.05	0.203	0					3.61
9.000	0.00	0.05	0.202	0					3.60
9.083	0.00	0.05	0.202	0					3.60
9.167	0.00	0.05	0.202	0					3.59
9.250	0.00	0.05	0.201	0					3.59
9.333	0.00	0.05	0.201	0					3.58
9.417	0.00	0.05	0.200	0					3.58
9.500	0.00	0.05	0.200	0					3.57
9.583	0.00	0.05	0.200	0					3.57
9.667	0.00	0.05	0.199	0					3.56
9.750	0.00	0.05	0.199	0					3.56
9.833	0.00	0.05	0.199	0					3.55
9.917	0.00	0.05	0.198	0					3.55
10.000	0.00	0.05	0.198	0					3.54
10.083	0.00	0.05	0.198	0					3.54
10.167	0.00	0.05	0.197	0					3.53

10.250	0.00	0.05	0.197	0					3.53
10.333	0.00	0.05	0.196	0					3.52
10.417	0.00	0.05	0.196	0					3.52
10.500	0.00	0.05	0.196	0					3.51
10.583	0.00	0.05	0.195	0					3.51
10.667	0.00	0.05	0.195	0					3.50
10.750	0.00	0.05	0.195	0					3.50
10.833	0.00	0.05	0.194	0					3.49
10.917	0.00	0.05	0.194	0					3.49
11.000	0.00	0.05	0.194	0					3.48
11.083	0.00	0.05	0.193	0					3.48
11.167	0.00	0.05	0.193	0					3.47
11.250	0.00	0.05	0.193	0					3.46
11.333	0.00	0.05	0.192	0					3.46
11.417	0.00	0.05	0.192	0					3.45
11.500	0.00	0.05	0.191	0					3.45
11.583	0.00	0.05	0.191	0					3.44
11.667	0.00	0.05	0.191	0					3.44
11.750	0.00	0.05	0.190	0					3.43
11.833	0.00	0.05	0.190	0					3.43
11.917	0.00	0.05	0.190	0					3.42
12.000	0.00	0.05	0.189	0					3.42
12.083	0.00	0.05	0.189	0					3.41
12.167	0.00	0.05	0.189	0					3.41
12.250	0.00	0.05	0.188	0					3.40
12.333	0.00	0.05	0.188	0					3.40
12.417	0.00	0.05	0.188	0					3.39
12.500	0.00	0.05	0.187	0					3.39
12.583	0.00	0.05	0.187	0					3.38
12.667	0.00	0.05	0.187	0					3.38
12.750	0.00	0.05	0.186	0					3.37
12.833	0.00	0.05	0.186	0					3.37
12.917	0.00	0.05	0.185	0					3.36
13.000	0.00	0.05	0.185	0					3.36
13.083	0.00	0.05	0.185	0					3.35
13.167	0.00	0.05	0.184	0					3.35
13.250	0.00	0.05	0.184	0					3.34
13.333	0.00	0.05	0.184	0					3.34
13.417	0.00	0.05	0.183	0					3.33
13.500	0.00	0.05	0.183	0					3.33
13.583	0.00	0.05	0.183	0					3.32
13.667	0.00	0.05	0.182	0					3.32
13.750	0.00	0.05	0.182	0					3.31
13.833	0.00	0.05	0.182	0					3.31
13.917	0.00	0.05	0.181	0					3.30
14.000	0.00	0.05	0.181	0					3.30
14.083	0.00	0.05	0.181	0					3.29
14.167	0.00	0.05	0.180	0					3.29
14.250	0.00	0.05	0.180	0					3.28
14.333	0.00	0.05	0.180	0					3.28

14.417	0.00	0.05	0.179	0					3.27
14.500	0.00	0.05	0.179	0					3.27
14.583	0.00	0.05	0.179	0					3.26
14.667	0.00	0.05	0.178	0					3.26
14.750	0.00	0.05	0.178	0					3.25
14.833	0.00	0.05	0.177	0					3.25
14.917	0.00	0.05	0.177	0					3.24
15.000	0.00	0.05	0.177	0					3.24
15.083	0.00	0.05	0.176	0					3.24
15.167	0.00	0.05	0.176	0					3.23
15.250	0.00	0.05	0.176	0					3.23
15.333	0.00	0.05	0.175	0					3.22
15.417	0.00	0.05	0.175	0					3.22
15.500	0.00	0.05	0.175	0					3.21
15.583	0.00	0.05	0.174	0					3.21
15.667	0.00	0.05	0.174	0					3.20
15.750	0.00	0.05	0.174	0					3.20
15.833	0.00	0.05	0.173	0					3.19
15.917	0.00	0.05	0.173	0					3.19
16.000	0.00	0.05	0.173	0					3.18
16.083	0.00	0.05	0.172	0					3.18
16.167	0.00	0.05	0.172	0					3.17
16.250	0.00	0.05	0.172	0					3.17
16.333	0.00	0.05	0.171	0					3.16
16.417	0.00	0.05	0.171	0					3.16
16.500	0.00	0.05	0.171	0					3.15
16.583	0.00	0.05	0.170	0					3.15
16.667	0.00	0.05	0.170	0					3.14
16.750	0.00	0.05	0.170	0					3.14
16.833	0.00	0.05	0.169	0					3.13
16.917	0.00	0.05	0.169	0					3.13
17.000	0.00	0.05	0.169	0					3.12
17.083	0.00	0.05	0.168	0					3.12
17.167	0.00	0.05	0.168	0					3.11
17.250	0.00	0.05	0.168	0					3.11
17.333	0.00	0.05	0.167	0					3.10
17.417	0.00	0.05	0.167	0					3.10
17.500	0.00	0.05	0.167	0					3.09
17.583	0.00	0.05	0.166	0					3.09
17.667	0.00	0.05	0.166	0					3.08
17.750	0.00	0.05	0.166	0					3.08
17.833	0.00	0.05	0.165	0					3.08
17.917	0.00	0.05	0.165	0					3.07
18.000	0.00	0.05	0.165	0					3.07
18.083	0.00	0.05	0.164	0					3.06
18.167	0.00	0.05	0.164	0					3.06
18.250	0.00	0.05	0.164	0					3.05
18.333	0.00	0.05	0.163	0					3.05
18.417	0.00	0.05	0.163	0					3.04
18.500	0.00	0.05	0.163	0					3.04

18.583	0.00	0.05	0.162	0					3.03
18.667	0.00	0.05	0.162	0					3.03
18.750	0.00	0.05	0.162	0					3.02
18.833	0.00	0.05	0.161	0					3.02
18.917	0.00	0.05	0.161	0					3.01
19.000	0.00	0.05	0.161	0					3.01
19.083	0.00	0.05	0.160	0					3.00
19.167	0.00	0.05	0.160	0					3.00
19.250	0.00	0.05	0.160	0					2.99
19.333	0.00	0.05	0.159	0					2.99
19.417	0.00	0.05	0.159	0					2.98
19.500	0.00	0.05	0.159	0					2.98
19.583	0.00	0.05	0.158	0					2.97
19.667	0.00	0.05	0.158	0					2.97
19.750	0.00	0.05	0.158	0					2.97
19.833	0.00	0.05	0.157	0					2.96
19.917	0.00	0.05	0.157	0					2.96
20.000	0.00	0.05	0.157	0					2.95
20.083	0.00	0.05	0.156	0					2.95
20.167	0.00	0.05	0.156	0					2.94
20.250	0.00	0.05	0.156	0					2.94
20.333	0.00	0.05	0.155	0					2.93
20.417	0.00	0.05	0.155	0					2.93
20.500	0.00	0.05	0.155	0					2.92
20.583	0.00	0.05	0.154	0					2.92
20.667	0.00	0.05	0.154	0					2.91
20.750	0.00	0.05	0.154	0					2.91
20.833	0.00	0.05	0.153	0					2.90
20.917	0.00	0.05	0.153	0					2.90
21.000	0.00	0.05	0.153	0					2.89
21.083	0.00	0.05	0.152	0					2.89
21.167	0.00	0.05	0.152	0					2.88
21.250	0.00	0.05	0.152	0					2.88
21.333	0.00	0.05	0.151	0					2.87
21.417	0.00	0.05	0.151	0					2.87
21.500	0.00	0.05	0.151	0					2.86
21.583	0.00	0.05	0.150	0					2.86
21.667	0.00	0.05	0.150	0					2.86
21.750	0.00	0.05	0.150	0					2.85
21.833	0.00	0.05	0.150	0					2.85
21.917	0.00	0.05	0.149	0					2.84
22.000	0.00	0.05	0.149	0					2.84
22.083	0.00	0.05	0.149	0					2.83
22.167	0.00	0.05	0.148	0					2.83
22.250	0.00	0.05	0.148	0					2.82
22.333	0.00	0.05	0.148	0					2.82
22.417	0.00	0.05	0.147	0					2.81
22.500	0.00	0.05	0.147	0					2.81
22.583	0.00	0.05	0.147	0					2.80
22.667	0.00	0.05	0.146	0					2.80

22.750	0.00	0.05	0.146	0					2.79
22.833	0.00	0.05	0.146	0					2.79
22.917	0.00	0.05	0.145	0					2.78
23.000	0.00	0.05	0.145	0					2.78
23.083	0.00	0.05	0.145	0					2.78
23.167	0.00	0.05	0.144	0					2.77
23.250	0.00	0.05	0.144	0					2.77
23.333	0.00	0.05	0.144	0					2.76
23.417	0.00	0.05	0.143	0					2.76
23.500	0.00	0.05	0.143	0					2.75
23.583	0.00	0.05	0.143	0					2.75
23.667	0.00	0.05	0.143	0					2.74
23.750	0.00	0.05	0.142	0					2.74
23.833	0.00	0.05	0.142	0					2.73
23.917	0.00	0.05	0.142	0					2.73
24.000	0.00	0.05	0.141	0					2.72
24.083	0.00	0.05	0.141	0					2.72
24.167	0.00	0.05	0.141	0					2.72
24.250	0.00	0.05	0.140	0					2.71
24.333	0.00	0.05	0.140	0					2.71
24.417	0.00	0.05	0.140	0					2.70
24.500	0.00	0.05	0.139	0					2.70
24.583	0.00	0.05	0.139	0					2.69
24.667	0.00	0.05	0.139	0					2.69
24.750	0.00	0.05	0.138	0					2.68
24.833	0.00	0.05	0.138	0					2.68
24.917	0.00	0.05	0.138	0					2.67
25.000	0.00	0.05	0.138	0					2.67
25.083	0.00	0.04	0.137	0					2.66
25.167	0.00	0.04	0.137	0					2.66
25.250	0.00	0.04	0.137	0					2.66
25.333	0.00	0.04	0.136	0					2.65
25.417	0.00	0.04	0.136	0					2.65
25.500	0.00	0.04	0.136	0					2.64
25.583	0.00	0.04	0.135	0					2.64
25.667	0.00	0.04	0.135	0					2.63
25.750	0.00	0.04	0.135	0					2.63
25.833	0.00	0.04	0.134	0					2.62
25.917	0.00	0.04	0.134	0					2.62
26.000	0.00	0.04	0.134	0					2.62
26.083	0.00	0.04	0.134	0					2.61
26.167	0.00	0.04	0.133	0					2.61
26.250	0.00	0.04	0.133	0					2.60
26.333	0.00	0.04	0.133	0					2.60
26.417	0.00	0.04	0.132	0					2.59
26.500	0.00	0.04	0.132	0					2.59
26.583	0.00	0.04	0.132	0					2.58
26.667	0.00	0.04	0.131	0					2.58
26.750	0.00	0.04	0.131	0					2.57
26.833	0.00	0.04	0.131	0					2.57

26.917	0.00	0.04	0.130	0					2.57
27.000	0.00	0.04	0.130	0					2.56
27.083	0.00	0.04	0.130	0					2.56
27.167	0.00	0.04	0.130	0					2.55
27.250	0.00	0.04	0.129	0					2.55
27.333	0.00	0.04	0.129	0					2.54
27.417	0.00	0.04	0.129	0					2.54
27.500	0.00	0.04	0.128	0					2.53
27.583	0.00	0.04	0.128	0					2.53
27.667	0.00	0.04	0.128	0					2.53
27.750	0.00	0.04	0.127	0					2.52
27.833	0.00	0.04	0.127	0					2.52
27.917	0.00	0.04	0.127	0					2.51
28.000	0.00	0.04	0.127	0					2.51
28.083	0.00	0.04	0.126	0					2.50
28.167	0.00	0.04	0.126	0					2.50
28.250	0.00	0.04	0.126	0					2.49
28.333	0.00	0.04	0.125	0					2.49
28.417	0.00	0.04	0.125	0					2.49
28.500	0.00	0.04	0.125	0					2.48
28.583	0.00	0.04	0.124	0					2.48
28.667	0.00	0.04	0.124	0					2.47
28.750	0.00	0.04	0.124	0					2.47
28.833	0.00	0.04	0.124	0					2.46
28.917	0.00	0.04	0.123	0					2.46
29.000	0.00	0.04	0.123	0					2.46
29.083	0.00	0.04	0.123	0					2.45
29.167	0.00	0.04	0.122	0					2.45
29.250	0.00	0.04	0.122	0					2.44
29.333	0.00	0.04	0.122	0					2.44
29.417	0.00	0.04	0.121	0					2.43
29.500	0.00	0.04	0.121	0					2.43
29.583	0.00	0.04	0.121	0					2.42
29.667	0.00	0.04	0.121	0					2.42
29.750	0.00	0.04	0.120	0					2.42
29.833	0.00	0.04	0.120	0					2.41
29.917	0.00	0.04	0.120	0					2.41
30.000	0.00	0.04	0.119	0					2.40
30.083	0.00	0.04	0.119	0					2.40
30.167	0.00	0.04	0.119	0					2.39
30.250	0.00	0.04	0.119	0					2.39
30.333	0.00	0.04	0.118	0					2.39
30.417	0.00	0.04	0.118	0					2.38
30.500	0.00	0.04	0.118	0					2.38
30.583	0.00	0.04	0.117	0					2.37
30.667	0.00	0.04	0.117	0					2.37
30.750	0.00	0.04	0.117	0					2.36
30.833	0.00	0.04	0.116	0					2.36
30.917	0.00	0.04	0.116	0					2.36
31.000	0.00	0.04	0.116	0					2.35

31.083	0.00	0.04	0.116	0					2.35
31.167	0.00	0.04	0.115	0					2.34
31.250	0.00	0.04	0.115	0					2.34
31.333	0.00	0.04	0.115	0					2.33
31.417	0.00	0.04	0.114	0					2.33
31.500	0.00	0.04	0.114	0					2.33
31.583	0.00	0.04	0.114	0					2.32
31.667	0.00	0.04	0.114	0					2.32
31.750	0.00	0.04	0.113	0					2.31
31.833	0.00	0.04	0.113	0					2.31
31.917	0.00	0.04	0.113	0					2.31
32.000	0.00	0.04	0.112	0					2.30
32.083	0.00	0.04	0.112	0					2.30
32.167	0.00	0.04	0.112	0					2.29
32.250	0.00	0.04	0.112	0					2.29
32.333	0.00	0.04	0.111	0					2.28
32.417	0.00	0.04	0.111	0					2.28
32.500	0.00	0.04	0.111	0					2.28
32.583	0.00	0.04	0.110	0					2.27
32.667	0.00	0.04	0.110	0					2.27
32.750	0.00	0.04	0.110	0					2.26
32.833	0.00	0.04	0.110	0					2.26
32.917	0.00	0.04	0.109	0					2.25
33.000	0.00	0.04	0.109	0					2.25
33.083	0.00	0.04	0.109	0					2.25
33.167	0.00	0.04	0.108	0					2.24
33.250	0.00	0.04	0.108	0					2.24
33.333	0.00	0.04	0.108	0					2.23
33.417	0.00	0.04	0.108	0					2.23
33.500	0.00	0.04	0.107	0					2.23
33.583	0.00	0.04	0.107	0					2.22
33.667	0.00	0.04	0.107	0					2.22
33.750	0.00	0.04	0.106	0					2.21
33.833	0.00	0.04	0.106	0					2.21
33.917	0.00	0.04	0.106	0					2.20
34.000	0.00	0.04	0.106	0					2.20
34.083	0.00	0.04	0.105	0					2.20
34.167	0.00	0.04	0.105	0					2.19
34.250	0.00	0.04	0.105	0					2.19
34.333	0.00	0.04	0.105	0					2.18
34.417	0.00	0.04	0.104	0					2.18
34.500	0.00	0.04	0.104	0					2.18
34.583	0.00	0.04	0.104	0					2.17
34.667	0.00	0.04	0.103	0					2.17
34.750	0.00	0.04	0.103	0					2.16
34.833	0.00	0.04	0.103	0					2.16
34.917	0.00	0.04	0.103	0					2.16
35.000	0.00	0.04	0.102	0					2.15
35.083	0.00	0.04	0.102	0					2.15
35.167	0.00	0.04	0.102	0					2.14

35.250	0.00	0.04	0.101	0					2.14
35.333	0.00	0.04	0.101	0					2.13
35.417	0.00	0.04	0.101	0					2.13
35.500	0.00	0.04	0.101	0					2.13
35.583	0.00	0.04	0.100	0					2.12
35.667	0.00	0.04	0.100	0					2.12
35.750	0.00	0.04	0.100	0					2.11
35.833	0.00	0.04	0.100	0					2.11
35.917	0.00	0.04	0.099	0					2.11
36.000	0.00	0.04	0.099	0					2.10
36.083	0.00	0.04	0.099	0					2.10
36.167	0.00	0.04	0.098	0					2.09
36.250	0.00	0.04	0.098	0					2.09
36.333	0.00	0.04	0.098	0					2.09
36.417	0.00	0.04	0.098	0					2.08
36.500	0.00	0.04	0.097	0					2.08
36.583	0.00	0.04	0.097	0					2.07
36.667	0.00	0.04	0.097	0					2.07
36.750	0.00	0.04	0.096	0					2.07
36.833	0.00	0.04	0.096	0					2.06
36.917	0.00	0.04	0.096	0					2.06
37.000	0.00	0.04	0.096	0					2.05
37.083	0.00	0.04	0.095	0					2.05
37.167	0.00	0.04	0.095	0					2.05
37.250	0.00	0.04	0.095	0					2.04
37.333	0.00	0.04	0.095	0					2.04
37.417	0.00	0.04	0.094	0					2.03
37.500	0.00	0.04	0.094	0					2.03
37.583	0.00	0.04	0.094	0					2.03
37.667	0.00	0.04	0.094	0					2.02
37.750	0.00	0.04	0.093	0					2.02
37.833	0.00	0.04	0.093	0					2.01
37.917	0.00	0.04	0.093	0					2.01
38.000	0.00	0.04	0.092	0					2.01
38.083	0.00	0.04	0.092	0					2.00
38.167	0.00	0.04	0.092	0					2.00
38.250	0.00	0.04	0.092	0					1.99
38.333	0.00	0.04	0.091	0					1.99
38.417	0.00	0.04	0.091	0					1.98
38.500	0.00	0.04	0.091	0					1.98
38.583	0.00	0.04	0.091	0					1.97
38.667	0.00	0.04	0.090	0					1.97
38.750	0.00	0.04	0.090	0					1.97
38.833	0.00	0.04	0.090	0					1.96
38.917	0.00	0.04	0.089	0					1.96
39.000	0.00	0.04	0.089	0					1.95
39.083	0.00	0.04	0.089	0					1.95
39.167	0.00	0.04	0.089	0					1.94
39.250	0.00	0.04	0.088	0					1.94
39.333	0.00	0.04	0.088	0					1.93

39.417	0.00	0.04	0.088	0					1.93
39.500	0.00	0.04	0.088	0					1.92
39.583	0.00	0.04	0.087	0					1.92
39.667	0.00	0.04	0.087	0					1.91
39.750	0.00	0.04	0.087	0					1.91
39.833	0.00	0.04	0.087	0					1.91
39.917	0.00	0.04	0.086	0					1.90
40.000	0.00	0.04	0.086	0					1.90
40.083	0.00	0.04	0.086	0					1.89
40.167	0.00	0.04	0.086	0					1.89
40.250	0.00	0.04	0.085	0					1.88
40.333	0.00	0.04	0.085	0					1.88
40.417	0.00	0.04	0.085	0					1.87
40.500	0.00	0.04	0.085	0					1.87
40.583	0.00	0.04	0.084	0					1.86
40.667	0.00	0.04	0.084	0					1.86
40.750	0.00	0.04	0.084	0					1.86
40.833	0.00	0.04	0.083	0					1.85
40.917	0.00	0.04	0.083	0					1.85
41.000	0.00	0.04	0.083	0					1.84
41.083	0.00	0.04	0.083	0					1.84
41.167	0.00	0.04	0.082	0					1.83
41.250	0.00	0.04	0.082	0					1.83
41.333	0.00	0.04	0.082	0					1.82
41.417	0.00	0.04	0.082	0					1.82
41.500	0.00	0.04	0.081	0					1.81
41.583	0.00	0.04	0.081	0					1.81
41.667	0.00	0.04	0.081	0					1.81
41.750	0.00	0.04	0.081	0					1.80
41.833	0.00	0.04	0.080	0					1.80
41.917	0.00	0.04	0.080	0					1.79
42.000	0.00	0.04	0.080	0					1.79
42.083	0.00	0.04	0.080	0					1.78
42.167	0.00	0.04	0.079	0					1.78
42.250	0.00	0.04	0.079	0					1.77
42.333	0.00	0.04	0.079	0					1.77
42.417	0.00	0.04	0.079	0					1.77
42.500	0.00	0.04	0.078	0					1.76
42.583	0.00	0.04	0.078	0					1.76
42.667	0.00	0.04	0.078	0					1.75
42.750	0.00	0.04	0.078	0					1.75
42.833	0.00	0.04	0.077	0					1.74
42.917	0.00	0.04	0.077	0					1.74
43.000	0.00	0.04	0.077	0					1.74
43.083	0.00	0.04	0.077	0					1.73
43.167	0.00	0.04	0.076	0					1.73
43.250	0.00	0.04	0.076	0					1.72
43.333	0.00	0.04	0.076	0					1.72
43.417	0.00	0.04	0.076	0					1.71
43.500	0.00	0.04	0.075	0					1.71

43.583	0.00	0.04	0.075	0					1.70
43.667	0.00	0.04	0.075	0					1.70
43.750	0.00	0.04	0.075	0					1.70
43.833	0.00	0.04	0.074	0					1.69
43.917	0.00	0.04	0.074	0					1.69
44.000	0.00	0.04	0.074	0					1.68
44.083	0.00	0.04	0.074	0					1.68
44.167	0.00	0.04	0.073	0					1.67
44.250	0.00	0.04	0.073	0					1.67
44.333	0.00	0.04	0.073	0					1.67
44.417	0.00	0.04	0.073	0					1.66
44.500	0.00	0.04	0.072	0					1.66
44.583	0.00	0.04	0.072	0					1.65
44.667	0.00	0.04	0.072	0					1.65
44.750	0.00	0.04	0.072	0					1.65
44.833	0.00	0.04	0.072	0					1.64
44.917	0.00	0.04	0.071	0					1.64
45.000	0.00	0.03	0.071	0					1.63
45.083	0.00	0.03	0.071	0					1.63
45.167	0.00	0.03	0.071	0					1.62
45.250	0.00	0.03	0.070	0					1.62
45.333	0.00	0.03	0.070	0					1.62
45.417	0.00	0.03	0.070	0					1.61
45.500	0.00	0.03	0.070	0					1.61
45.583	0.00	0.03	0.069	0					1.60
45.667	0.00	0.03	0.069	0					1.60
45.750	0.00	0.03	0.069	0					1.59
45.833	0.00	0.03	0.069	0					1.59
45.917	0.00	0.03	0.068	0					1.59
46.000	0.00	0.03	0.068	0					1.58
46.083	0.00	0.03	0.068	0					1.58
46.167	0.00	0.03	0.068	0					1.57
46.250	0.00	0.03	0.067	0					1.57
46.333	0.00	0.03	0.067	0					1.57
46.417	0.00	0.03	0.067	0					1.56
46.500	0.00	0.03	0.067	0					1.56
46.583	0.00	0.03	0.067	0					1.55
46.667	0.00	0.03	0.066	0					1.55
46.750	0.00	0.03	0.066	0					1.54
46.833	0.00	0.03	0.066	0					1.54
46.917	0.00	0.03	0.066	0					1.54
47.000	0.00	0.03	0.065	0					1.53
47.083	0.00	0.03	0.065	0					1.53
47.167	0.00	0.03	0.065	0					1.52
47.250	0.00	0.03	0.065	0					1.52
47.333	0.00	0.03	0.064	0					1.52
47.417	0.00	0.03	0.064	0					1.51
47.500	0.00	0.03	0.064	0					1.51
47.583	0.00	0.03	0.064	0					1.50
47.667	0.00	0.03	0.063	0					1.50

47.750	0.00	0.03	0.063	0					1.50
47.833	0.00	0.03	0.063	0					1.49
47.917	0.00	0.03	0.063	0					1.49
48.000	0.00	0.03	0.063	0					1.48
48.083	0.00	0.03	0.062	0					1.48
48.167	0.00	0.03	0.062	0					1.48
48.250	0.00	0.03	0.062	0					1.47
48.333	0.00	0.03	0.062	0					1.47
48.417	0.00	0.03	0.061	0					1.46
48.500	0.00	0.03	0.061	0					1.46
48.583	0.00	0.03	0.061	0					1.46
48.667	0.00	0.03	0.061	0					1.45
48.750	0.00	0.03	0.061	0					1.45
48.833	0.00	0.03	0.060	0					1.44
48.917	0.00	0.03	0.060	0					1.44
49.000	0.00	0.03	0.060	0					1.44
49.083	0.00	0.03	0.060	0					1.43
49.167	0.00	0.03	0.059	0					1.43
49.250	0.00	0.03	0.059	0					1.42
49.333	0.00	0.03	0.059	0					1.42
49.417	0.00	0.03	0.059	0					1.42
49.500	0.00	0.03	0.058	0					1.41
49.583	0.00	0.03	0.058	0					1.41
49.667	0.00	0.03	0.058	0					1.40
49.750	0.00	0.03	0.058	0					1.40
49.833	0.00	0.03	0.058	0					1.40
49.917	0.00	0.03	0.057	0					1.39
50.000	0.00	0.03	0.057	0					1.39
50.083	0.00	0.03	0.057	0					1.38
50.167	0.00	0.03	0.057	0					1.38
50.250	0.00	0.03	0.056	0					1.38
50.333	0.00	0.03	0.056	0					1.37
50.417	0.00	0.03	0.056	0					1.37
50.500	0.00	0.03	0.056	0					1.37
50.583	0.00	0.03	0.056	0					1.36
50.667	0.00	0.03	0.055	0					1.36
50.750	0.00	0.03	0.055	0					1.35
50.833	0.00	0.03	0.055	0					1.35
50.917	0.00	0.03	0.055	0					1.35
51.000	0.00	0.03	0.055	0					1.34
51.083	0.00	0.03	0.054	0					1.34
51.167	0.00	0.03	0.054	0					1.33
51.250	0.00	0.03	0.054	0					1.33
51.333	0.00	0.03	0.054	0					1.33
51.417	0.00	0.03	0.053	0					1.32
51.500	0.00	0.03	0.053	0					1.32
51.583	0.00	0.03	0.053	0					1.32
51.667	0.00	0.03	0.053	0					1.31
51.750	0.00	0.03	0.053	0					1.31
51.833	0.00	0.03	0.052	0					1.30

51.917	0.00	0.03	0.052	0					1.30
52.000	0.00	0.03	0.052	0					1.30
52.083	0.00	0.03	0.052	0					1.29
52.167	0.00	0.03	0.051	0					1.29
52.250	0.00	0.03	0.051	0					1.29
52.333	0.00	0.03	0.051	0					1.28
52.417	0.00	0.03	0.051	0					1.28
52.500	0.00	0.03	0.051	0					1.27
52.583	0.00	0.03	0.050	0					1.27
52.667	0.00	0.03	0.050	0					1.27
52.750	0.00	0.03	0.050	0					1.26
52.833	0.00	0.03	0.050	0					1.26
52.917	0.00	0.03	0.050	0					1.26
53.000	0.00	0.03	0.049	0					1.25
53.083	0.00	0.03	0.049	0					1.25
53.167	0.00	0.03	0.049	0					1.24
53.250	0.00	0.03	0.049	0					1.24
53.333	0.00	0.03	0.048	0					1.24
53.417	0.00	0.03	0.048	0					1.23
53.500	0.00	0.03	0.048	0					1.23
53.583	0.00	0.03	0.048	0					1.23
53.667	0.00	0.03	0.048	0					1.22
53.750	0.00	0.03	0.047	0					1.22
53.833	0.00	0.03	0.047	0					1.21
53.917	0.00	0.03	0.047	0					1.21
54.000	0.00	0.03	0.047	0					1.21
54.083	0.00	0.03	0.047	0					1.20
54.167	0.00	0.03	0.046	0					1.20
54.250	0.00	0.03	0.046	0					1.20
54.333	0.00	0.03	0.046	0					1.19
54.417	0.00	0.03	0.046	0					1.19
54.500	0.00	0.03	0.046	0					1.19
54.583	0.00	0.03	0.045	0					1.18
54.667	0.00	0.03	0.045	0					1.18
54.750	0.00	0.03	0.045	0					1.17
54.833	0.00	0.03	0.045	0					1.17
54.917	0.00	0.03	0.045	0					1.17
55.000	0.00	0.03	0.044	0					1.16
55.083	0.00	0.03	0.044	0					1.16
55.167	0.00	0.03	0.044	0					1.16
55.250	0.00	0.03	0.044	0					1.15
55.333	0.00	0.03	0.044	0					1.15
55.417	0.00	0.03	0.043	0					1.15
55.500	0.00	0.03	0.043	0					1.14
55.583	0.00	0.03	0.043	0					1.14
55.667	0.00	0.03	0.043	0					1.14
55.750	0.00	0.03	0.043	0					1.13
55.833	0.00	0.03	0.042	0					1.13
55.917	0.00	0.03	0.042	0					1.12
56.000	0.00	0.03	0.042	0					1.12

56.083	0.00	0.03	0.042	0					1.12
56.167	0.00	0.03	0.041	0					1.11
56.250	0.00	0.03	0.041	0					1.11
56.333	0.00	0.03	0.041	0					1.11
56.417	0.00	0.03	0.041	0					1.10
56.500	0.00	0.03	0.041	0					1.10
56.583	0.00	0.03	0.040	0					1.10
56.667	0.00	0.03	0.040	0					1.09
56.750	0.00	0.03	0.040	0					1.09
56.833	0.00	0.03	0.040	0					1.09
56.917	0.00	0.03	0.040	0					1.08
57.000	0.00	0.03	0.039	0					1.08
57.083	0.00	0.03	0.039	0					1.08
57.167	0.00	0.03	0.039	0					1.07
57.250	0.00	0.03	0.039	0					1.07
57.333	0.00	0.03	0.039	0					1.06
57.417	0.00	0.03	0.038	0					1.06
57.500	0.00	0.03	0.038	0					1.06
57.583	0.00	0.03	0.038	0					1.05
57.667	0.00	0.03	0.038	0					1.05
57.750	0.00	0.03	0.038	0					1.05
57.833	0.00	0.03	0.038	0					1.04
57.917	0.00	0.03	0.037	0					1.04
58.000	0.00	0.03	0.037	0					1.04
58.083	0.00	0.03	0.037	0					1.03
58.167	0.00	0.03	0.037	0					1.03
58.250	0.00	0.03	0.037	0					1.03
58.333	0.00	0.03	0.036	0					1.02
58.417	0.00	0.03	0.036	0					1.02
58.500	0.00	0.03	0.036	0					1.02
58.583	0.00	0.03	0.036	0					1.01
58.667	0.00	0.03	0.036	0					1.01
58.750	0.00	0.03	0.035	0					1.01
58.833	0.00	0.03	0.035	0					1.00
58.917	0.00	0.03	0.035	0					1.00
59.000	0.00	0.03	0.035	0					0.99
59.083	0.00	0.03	0.035	0					0.99
59.167	0.00	0.03	0.034	0					0.98
59.250	0.00	0.03	0.034	0					0.98
59.333	0.00	0.03	0.034	0					0.97
59.417	0.00	0.03	0.034	0					0.97
59.500	0.00	0.03	0.034	0					0.96
59.583	0.00	0.03	0.033	0					0.96
59.667	0.00	0.03	0.033	0					0.95
59.750	0.00	0.03	0.033	0					0.95
59.833	0.00	0.03	0.033	0					0.94
59.917	0.00	0.03	0.033	0					0.94
60.000	0.00	0.03	0.033	0					0.93
60.083	0.00	0.03	0.032	0					0.93
60.167	0.00	0.03	0.032	0					0.92

60.250	0.00	0.03	0.032	0					0.92
60.333	0.00	0.03	0.032	0					0.91
60.417	0.00	0.03	0.032	0					0.91
60.500	0.00	0.03	0.031	0					0.90
60.583	0.00	0.03	0.031	0					0.90
60.667	0.00	0.03	0.031	0					0.89
60.750	0.00	0.03	0.031	0					0.89
60.833	0.00	0.03	0.031	0					0.88
60.917	0.00	0.03	0.031	0					0.88
61.000	0.00	0.02	0.030	0					0.88
61.083	0.00	0.02	0.030	0					0.87
61.167	0.00	0.02	0.030	0					0.87
61.250	0.00	0.02	0.030	0					0.86
61.333	0.00	0.02	0.030	0					0.86
61.417	0.00	0.02	0.030	0					0.85
61.500	0.00	0.02	0.029	0					0.85
61.583	0.00	0.02	0.029	0					0.84
61.667	0.00	0.02	0.029	0					0.84
61.750	0.00	0.02	0.029	0					0.83
61.833	0.00	0.02	0.029	0					0.83
61.917	0.00	0.02	0.029	0					0.83
62.000	0.00	0.02	0.028	0					0.82
62.083	0.00	0.02	0.028	0					0.82
62.167	0.00	0.02	0.028	0					0.81
62.250	0.00	0.02	0.028	0					0.81
62.333	0.00	0.02	0.028	0					0.80
62.417	0.00	0.02	0.028	0					0.80
62.500	0.00	0.02	0.027	0					0.79
62.583	0.00	0.02	0.027	0					0.79
62.667	0.00	0.02	0.027	0					0.79
62.750	0.00	0.02	0.027	0					0.78
62.833	0.00	0.02	0.027	0					0.78
62.917	0.00	0.02	0.027	0					0.77
63.000	0.00	0.02	0.027	0					0.77
63.083	0.00	0.02	0.026	0					0.76
63.167	0.00	0.02	0.026	0					0.76
63.250	0.00	0.02	0.026	0					0.76
63.333	0.00	0.02	0.026	0					0.75
63.417	0.00	0.02	0.026	0					0.75
63.500	0.00	0.02	0.026	0					0.74
63.583	0.00	0.02	0.025	0					0.74
63.667	0.00	0.02	0.025	0					0.74
63.750	0.00	0.02	0.025	0					0.73
63.833	0.00	0.02	0.025	0					0.73
63.917	0.00	0.02	0.025	0					0.72
64.000	0.00	0.02	0.025	0					0.72
64.083	0.00	0.02	0.025	0					0.72
64.167	0.00	0.02	0.024	0					0.71
64.250	0.00	0.02	0.024	0					0.71
64.333	0.00	0.02	0.024	0					0.70

64.417	0.00	0.02	0.024	0					0.70
64.500	0.00	0.02	0.024	0					0.70
64.583	0.00	0.02	0.024	0					0.69
64.667	0.00	0.02	0.024	0					0.69
64.750	0.00	0.02	0.023	0					0.68
64.833	0.00	0.02	0.023	0					0.68
64.917	0.00	0.02	0.023	0					0.68
65.000	0.00	0.02	0.023	0					0.67
65.083	0.00	0.02	0.023	0					0.67
65.167	0.00	0.02	0.023	0					0.67
65.250	0.00	0.02	0.023	0					0.66
65.333	0.00	0.02	0.022	0					0.66
65.417	0.00	0.02	0.022	0					0.65
65.500	0.00	0.02	0.022	0					0.65
65.583	0.00	0.02	0.022	0					0.65
65.667	0.00	0.02	0.022	0					0.64
65.750	0.00	0.02	0.022	0					0.64
65.833	0.00	0.02	0.022	0					0.64
65.917	0.00	0.02	0.022	0					0.63
66.000	0.00	0.02	0.021	0					0.63
66.083	0.00	0.02	0.021	0					0.63
66.167	0.00	0.02	0.021	0					0.62
66.250	0.00	0.02	0.021	0					0.62
66.333	0.00	0.02	0.021	0					0.62
66.417	0.00	0.02	0.021	0					0.61
66.500	0.00	0.02	0.021	0					0.61
66.583	0.00	0.02	0.021	0					0.61
66.667	0.00	0.02	0.020	0					0.60
66.750	0.00	0.02	0.020	0					0.60
66.833	0.00	0.02	0.020	0					0.59
66.917	0.00	0.02	0.020	0					0.59
67.000	0.00	0.02	0.020	0					0.59
67.083	0.00	0.02	0.020	0					0.58
67.167	0.00	0.02	0.020	0					0.58
67.250	0.00	0.02	0.020	0					0.58
67.333	0.00	0.02	0.019	0					0.57
67.417	0.00	0.02	0.019	0					0.57
67.500	0.00	0.02	0.019	0					0.57
67.583	0.00	0.02	0.019	0					0.56
67.667	0.00	0.02	0.019	0					0.56
67.750	0.00	0.02	0.019	0					0.56
67.833	0.00	0.02	0.019	0					0.56
67.917	0.00	0.02	0.019	0					0.55
68.000	0.00	0.02	0.018	0					0.55
68.083	0.00	0.02	0.018	0					0.55
68.167	0.00	0.02	0.018	0					0.54
68.250	0.00	0.02	0.018	0					0.54
68.333	0.00	0.02	0.018	0					0.54
68.417	0.00	0.02	0.018	0					0.53
68.500	0.00	0.02	0.018	0					0.53

68.583	0.00	0.02	0.018	0					0.53
68.667	0.00	0.02	0.018	0					0.52
68.750	0.00	0.02	0.017	0					0.52
68.833	0.00	0.02	0.017	0					0.52
68.917	0.00	0.02	0.017	0					0.51
69.000	0.00	0.02	0.017	0					0.51
69.083	0.00	0.02	0.017	0					0.51
69.167	0.00	0.02	0.017	0					0.51
69.250	0.00	0.02	0.017	0					0.50
69.333	0.00	0.02	0.017	0					0.50
69.417	0.00	0.02	0.017	0					0.50
69.500	0.00	0.02	0.016	0					0.49
69.583	0.00	0.02	0.016	0					0.49
69.667	0.00	0.02	0.016	0					0.49
69.750	0.00	0.02	0.016	0					0.48
69.833	0.00	0.02	0.016	0					0.48
69.917	0.00	0.02	0.016	0					0.48
70.000	0.00	0.02	0.016	0					0.48
70.083	0.00	0.02	0.016	0					0.47
70.167	0.00	0.02	0.016	0					0.47
70.250	0.00	0.01	0.015	0					0.47
70.333	0.00	0.01	0.015	0					0.47
70.417	0.00	0.01	0.015	0					0.46
70.500	0.00	0.01	0.015	0					0.46
70.583	0.00	0.01	0.015	0					0.46
70.667	0.00	0.01	0.015	0					0.45
70.750	0.00	0.01	0.015	0					0.45
70.833	0.00	0.01	0.015	0					0.45
70.917	0.00	0.01	0.015	0					0.45
71.000	0.00	0.01	0.015	0					0.44
71.083	0.00	0.01	0.014	0					0.44
71.167	0.00	0.01	0.014	0					0.44
71.250	0.00	0.01	0.014	0					0.43
71.333	0.00	0.01	0.014	0					0.43
71.417	0.00	0.01	0.014	0					0.43
71.500	0.00	0.01	0.014	0					0.43
71.583	0.00	0.01	0.014	0					0.42
71.667	0.00	0.01	0.014	0					0.42
71.750	0.00	0.01	0.014	0					0.42
71.833	0.00	0.01	0.014	0					0.42
71.917	0.00	0.01	0.014	0					0.41
72.000	0.00	0.01	0.013	0					0.41
72.083	0.00	0.01	0.013	0					0.41
72.167	0.00	0.01	0.013	0					0.41
72.250	0.00	0.01	0.013	0					0.40
72.333	0.00	0.01	0.013	0					0.40
72.417	0.00	0.01	0.013	0					0.40
72.500	0.00	0.01	0.013	0					0.40
72.583	0.00	0.01	0.013	0					0.39
72.667	0.00	0.01	0.013	0					0.39

72.750	0.00	0.01	0.013	0					0.39
72.833	0.00	0.01	0.013	0					0.39
72.917	0.00	0.01	0.012	0					0.38
73.000	0.00	0.01	0.012	0					0.38
73.083	0.00	0.01	0.012	0					0.38
73.167	0.00	0.01	0.012	0					0.38
73.250	0.00	0.01	0.012	0					0.37
73.333	0.00	0.01	0.012	0					0.37
73.417	0.00	0.01	0.012	0					0.37
73.500	0.00	0.01	0.012	0					0.37
73.583	0.00	0.01	0.012	0					0.36
73.667	0.00	0.01	0.012	0					0.36
73.750	0.00	0.01	0.012	0					0.36
73.833	0.00	0.01	0.011	0					0.36
73.917	0.00	0.01	0.011	0					0.36
74.000	0.00	0.01	0.011	0					0.35
74.083	0.00	0.01	0.011	0					0.35
74.167	0.00	0.01	0.011	0					0.35
74.250	0.00	0.01	0.011	0					0.35
74.333	0.00	0.01	0.011	0					0.34
74.417	0.00	0.01	0.011	0					0.34
74.500	0.00	0.01	0.011	0					0.34
74.583	0.00	0.01	0.011	0					0.34
74.667	0.00	0.01	0.011	0					0.34
74.750	0.00	0.01	0.011	0					0.33
74.833	0.00	0.01	0.010	0					0.33
74.917	0.00	0.01	0.010	0					0.33
75.000	0.00	0.01	0.010	0					0.33
75.083	0.00	0.01	0.010	0					0.32
75.167	0.00	0.01	0.010	0					0.32
75.250	0.00	0.01	0.010	0					0.32
75.333	0.00	0.01	0.010	0					0.32
75.417	0.00	0.01	0.010	0					0.32
75.500	0.00	0.01	0.010	0					0.31
75.583	0.00	0.01	0.010	0					0.31
75.667	0.00	0.01	0.010	0					0.31
75.750	0.00	0.01	0.010	0					0.31
75.833	0.00	0.01	0.010	0					0.31
75.917	0.00	0.01	0.009	0					0.30
76.000	0.00	0.01	0.009	0					0.30
76.083	0.00	0.01	0.009	0					0.30
76.167	0.00	0.01	0.009	0					0.30
76.250	0.00	0.01	0.009	0					0.30
76.333	0.00	0.01	0.009	0					0.29
76.417	0.00	0.01	0.009	0					0.29
76.500	0.00	0.01	0.009	0					0.29
76.583	0.00	0.01	0.009	0					0.29
76.667	0.00	0.01	0.009	0					0.29
76.750	0.00	0.01	0.009	0					0.28
76.833	0.00	0.01	0.009	0					0.28

76.917	0.00	0.01	0.009	0					0.28
77.000	0.00	0.01	0.009	0					0.28
77.083	0.00	0.01	0.008	0					0.28
77.167	0.00	0.01	0.008	0					0.27
77.250	0.00	0.01	0.008	0					0.27
77.333	0.00	0.01	0.008	0					0.27
77.417	0.00	0.01	0.008	0					0.27
77.500	0.00	0.01	0.008	0					0.27
77.583	0.00	0.01	0.008	0					0.26
77.667	0.00	0.01	0.008	0					0.26
77.750	0.00	0.01	0.008	0					0.26
77.833	0.00	0.01	0.008	0					0.26
77.917	0.00	0.01	0.008	0					0.26
78.000	0.00	0.01	0.008	0					0.25
78.083	0.00	0.01	0.008	0					0.25
78.167	0.00	0.01	0.008	0					0.25
78.250	0.00	0.01	0.007	0					0.25
78.333	0.00	0.01	0.007	0					0.25
78.417	0.00	0.01	0.007	0					0.25
78.500	0.00	0.01	0.007	0					0.24
78.583	0.00	0.01	0.007	0					0.24
78.667	0.00	0.01	0.007	0					0.24
78.750	0.00	0.01	0.007	0					0.24
78.833	0.00	0.01	0.007	0					0.24
78.917	0.00	0.01	0.007	0					0.23
79.000	0.00	0.01	0.007	0					0.23
79.083	0.00	0.01	0.007	0					0.23
79.167	0.00	0.01	0.007	0					0.23
79.250	0.00	0.01	0.007	0					0.23
79.333	0.00	0.01	0.007	0					0.23
79.417	0.00	0.01	0.007	0					0.22
79.500	0.00	0.01	0.007	0					0.22
79.583	0.00	0.01	0.006	0					0.22
79.667	0.00	0.01	0.006	0					0.22
79.750	0.00	0.01	0.006	0					0.22
79.833	0.00	0.01	0.006	0					0.22
79.917	0.00	0.01	0.006	0					0.21
80.000	0.00	0.01	0.006	0					0.21
80.083	0.00	0.01	0.006	0					0.21
80.167	0.00	0.01	0.006	0					0.21
80.250	0.00	0.01	0.006	0					0.21
80.333	0.00	0.01	0.006	0					0.21
80.417	0.00	0.01	0.006	0					0.20
80.500	0.00	0.01	0.006	0					0.20
80.583	0.00	0.01	0.006	0					0.20
80.667	0.00	0.01	0.006	0					0.20
80.750	0.00	0.01	0.006	0					0.20
80.833	0.00	0.01	0.006	0					0.20
80.917	0.00	0.01	0.005	0					0.20
81.000	0.00	0.01	0.005	0					0.19

81.083	0.00	0.01	0.005	0					0.19
81.167	0.00	0.01	0.005	0					0.19
81.250	0.00	0.01	0.005	0					0.19
81.333	0.00	0.01	0.005	0					0.19
81.417	0.00	0.01	0.005	0					0.19
81.500	0.00	0.01	0.005	0					0.18
81.583	0.00	0.01	0.005	0					0.18
81.667	0.00	0.01	0.005	0					0.18
81.750	0.00	0.01	0.005	0					0.18
81.833	0.00	0.01	0.005	0					0.18
81.917	0.00	0.01	0.005	0					0.18
82.000	0.00	0.01	0.005	0					0.18
82.083	0.00	0.01	0.005	0					0.17
82.167	0.00	0.01	0.005	0					0.17
82.250	0.00	0.01	0.005	0					0.17
82.333	0.00	0.01	0.005	0					0.17
82.417	0.00	0.01	0.005	0					0.17
82.500	0.00	0.01	0.004	0					0.17
82.583	0.00	0.01	0.004	0					0.17
82.667	0.00	0.01	0.004	0					0.16
82.750	0.00	0.01	0.004	0					0.16
82.833	0.00	0.01	0.004	0					0.16
82.917	0.00	0.01	0.004	0					0.16
83.000	0.00	0.01	0.004	0					0.16
83.083	0.00	0.01	0.004	0					0.16
83.167	0.00	0.01	0.004	0					0.16
83.250	0.00	0.01	0.004	0					0.15
83.333	0.00	0.01	0.004	0					0.15
83.417	0.00	0.01	0.004	0					0.15
83.500	0.00	0.01	0.004	0					0.15
83.583	0.00	0.01	0.004	0					0.15
83.667	0.00	0.01	0.004	0					0.15
83.750	0.00	0.01	0.004	0					0.15
83.833	0.00	0.01	0.004	0					0.14
83.917	0.00	0.01	0.004	0					0.14
84.000	0.00	0.01	0.004	0					0.14
84.083	0.00	0.01	0.003	0					0.14
84.167	0.00	0.01	0.003	0					0.14
84.250	0.00	0.01	0.003	0					0.14
84.333	0.00	0.01	0.003	0					0.14
84.417	0.00	0.01	0.003	0					0.14
84.500	0.00	0.01	0.003	0					0.13
84.583	0.00	0.01	0.003	0					0.13
84.667	0.00	0.01	0.003	0					0.13
84.750	0.00	0.01	0.003	0					0.13
84.833	0.00	0.01	0.003	0					0.13
84.917	0.00	0.01	0.003	0					0.13
85.000	0.00	0.01	0.003	0					0.13
85.083	0.00	0.01	0.003	0					0.13
85.167	0.00	0.01	0.003	0					0.12

85.250	0.00	0.01	0.003	0					0.12
85.333	0.00	0.01	0.003	0					0.12
85.417	0.00	0.01	0.003	0					0.12
85.500	0.00	0.01	0.003	0					0.12
85.583	0.00	0.01	0.003	0					0.12
85.667	0.00	0.01	0.003	0					0.12
85.750	0.00	0.01	0.003	0					0.12
85.833	0.00	0.01	0.003	0					0.11
85.917	0.00	0.01	0.002	0					0.11
86.000	0.00	0.01	0.002	0					0.11
86.083	0.00	0.01	0.002	0					0.11
86.167	0.00	0.01	0.002	0					0.11
86.250	0.00	0.01	0.002	0					0.11
86.333	0.00	0.01	0.002	0					0.11
86.417	0.00	0.01	0.002	0					0.11
86.500	0.00	0.01	0.002	0					0.11
86.583	0.00	0.01	0.002	0					0.10
86.667	0.00	0.01	0.002	0					0.10
86.750	0.00	0.01	0.002	0					0.10
86.833	0.00	0.01	0.002	0					0.10
86.917	0.00	0.01	0.002	0					0.10
87.000	0.00	0.01	0.002	0					0.10
87.083	0.00	0.01	0.002	0					0.09
87.167	0.00	0.01	0.002	0					0.09
87.250	0.00	0.01	0.002	0					0.09
87.333	0.00	0.01	0.002	0					0.09
87.417	0.00	0.01	0.002	0					0.09
87.500	0.00	0.01	0.002	0					0.09
87.583	0.00	0.01	0.002	0					0.08
87.667	0.00	0.00	0.002	0					0.08
87.750	0.00	0.00	0.002	0					0.08
87.833	0.00	0.00	0.002	0					0.08
87.917	0.00	0.00	0.002	0					0.08
88.000	0.00	0.00	0.002	0					0.08
88.083	0.00	0.00	0.001	0					0.07
88.167	0.00	0.00	0.001	0					0.07
88.250	0.00	0.00	0.001	0					0.07
88.333	0.00	0.00	0.001	0					0.07
88.417	0.00	0.00	0.001	0					0.07
88.500	0.00	0.00	0.001	0					0.07
88.583	0.00	0.00	0.001	0					0.07
88.667	0.00	0.00	0.001	0					0.06
88.750	0.00	0.00	0.001	0					0.06
88.833	0.00	0.00	0.001	0					0.06
88.917	0.00	0.00	0.001	0					0.06
89.000	0.00	0.00	0.001	0					0.06
89.083	0.00	0.00	0.001	0					0.06
89.167	0.00	0.00	0.001	0					0.06
89.250	0.00	0.00	0.001	0					0.06
89.333	0.00	0.00	0.001	0					0.05

89.417	0.00	0.00	0.001	0					0.05
89.500	0.00	0.00	0.001	0					0.05
89.583	0.00	0.00	0.001	0					0.05
89.667	0.00	0.00	0.001	0					0.05
89.750	0.00	0.00	0.001	0					0.05
89.833	0.00	0.00	0.001	0					0.05
89.917	0.00	0.00	0.001	0					0.05
90.000	0.00	0.00	0.001	0					0.05
90.083	0.00	0.00	0.001	0					0.05
90.167	0.00	0.00	0.001	0					0.04
90.250	0.00	0.00	0.001	0					0.04
90.333	0.00	0.00	0.001	0					0.04
90.417	0.00	0.00	0.001	0					0.04
90.500	0.00	0.00	0.001	0					0.04
90.583	0.00	0.00	0.001	0					0.04
90.667	0.00	0.00	0.001	0					0.04
90.750	0.00	0.00	0.001	0					0.04
90.833	0.00	0.00	0.001	0					0.04
90.917	0.00	0.00	0.001	0					0.04
91.000	0.00	0.00	0.001	0					0.04
91.083	0.00	0.00	0.001	0					0.04
91.167	0.00	0.00	0.001	0					0.03
91.250	0.00	0.00	0.001	0					0.03
91.333	0.00	0.00	0.001	0					0.03
91.417	0.00	0.00	0.001	0					0.03
91.500	0.00	0.00	0.001	0					0.03
91.583	0.00	0.00	0.001	0					0.03
91.667	0.00	0.00	0.001	0					0.03
91.750	0.00	0.00	0.001	0					0.03
91.833	0.00	0.00	0.001	0					0.03
91.917	0.00	0.00	0.001	0					0.03
92.000	0.00	0.00	0.001	0					0.03
92.083	0.00	0.00	0.001	0					0.03
92.167	0.00	0.00	0.001	0					0.03
92.250	0.00	0.00	0.001	0					0.03
92.333	0.00	0.00	0.001	0					0.03
92.417	0.00	0.00	0.001	0					0.03
92.500	0.00	0.00	0.000	0					0.02
92.583	0.00	0.00	0.000	0					0.02
92.667	0.00	0.00	0.000	0					0.02
92.750	0.00	0.00	0.000	0					0.02
92.833	0.00	0.00	0.000	0					0.02
92.917	0.00	0.00	0.000	0					0.02
93.000	0.00	0.00	0.000	0					0.02
93.083	0.00	0.00	0.000	0					0.02
93.167	0.00	0.00	0.000	0					0.02
93.250	0.00	0.00	0.000	0					0.02
93.333	0.00	0.00	0.000	0					0.02
93.417	0.00	0.00	0.000	0					0.02
93.500	0.00	0.00	0.000	0					0.02

93.583	0.00	0.00	0.000	0					0.02
93.667	0.00	0.00	0.000	0					0.02
93.750	0.00	0.00	0.000	0					0.02
93.833	0.00	0.00	0.000	0					0.02
93.917	0.00	0.00	0.000	0					0.02
94.000	0.00	0.00	0.000	0					0.02
94.083	0.00	0.00	0.000	0					0.02
94.167	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1130

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.057 (CFS)

Total volume = 0.241 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
10 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da42410.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.808 (CFS)
Total volume = 0.464 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.40	0.61	0.81	Depth (Ft.)
0.083	0.03	0.00	0.000	OI					0.00
0.167	0.04	0.00	0.000	OI					0.02
0.250	0.04	0.00	0.001	OI					0.03
0.333	0.06	0.00	0.001	O I					0.05
0.417	0.07	0.00	0.001	O I					0.07
0.500	0.07	0.01	0.002	O I					0.09
0.583	0.07	0.01	0.002	O I					0.11
0.667	0.07	0.01	0.003	O I					0.12
0.750	0.07	0.01	0.003	O I					0.13
0.833	0.08	0.01	0.004	O I					0.14
0.917	0.09	0.01	0.004	O I					0.16
1.000	0.09	0.01	0.005	O I					0.17
1.083	0.08	0.01	0.005	O I					0.19
1.167	0.07	0.01	0.006	O I					0.20
1.250	0.07	0.01	0.006	O I					0.21
1.333	0.07	0.01	0.006	O I					0.22
1.417	0.07	0.01	0.007	O I					0.23
1.500	0.07	0.01	0.007	O I					0.24
1.583	0.07	0.01	0.008	O I					0.25
1.667	0.07	0.01	0.008	O I					0.26
1.750	0.07	0.01	0.008	O I					0.27
1.833	0.08	0.01	0.009	O I					0.29

1.917	0.09	0.01	0.009	0	I					0.30
2.000	0.09	0.01	0.010	0	I					0.31
2.083	0.09	0.01	0.010	0	I					0.33
2.167	0.09	0.01	0.011	0	I					0.34
2.250	0.09	0.01	0.011	0	I					0.36
2.333	0.09	0.01	0.012	0	I					0.37
2.417	0.09	0.01	0.013	0	I					0.39
2.500	0.09	0.01	0.013	0	I					0.40
2.583	0.10	0.01	0.014	0	I					0.42
2.667	0.11	0.01	0.014	0	I					0.43
2.750	0.11	0.01	0.015	0	I					0.45
2.833	0.11	0.02	0.016	0	I					0.47
2.917	0.11	0.02	0.016	0	I					0.49
3.000	0.11	0.02	0.017	0	I					0.51
3.083	0.11	0.02	0.018	0	I					0.53
3.167	0.11	0.02	0.018	0	I					0.54
3.250	0.11	0.02	0.019	0	I					0.56
3.333	0.11	0.02	0.020	0	I					0.58
3.417	0.11	0.02	0.020	0	I					0.60
3.500	0.11	0.02	0.021	0	I					0.61
3.583	0.11	0.02	0.021	0	I					0.63
3.667	0.11	0.02	0.022	0	I					0.65
3.750	0.11	0.02	0.023	0	I					0.67
3.833	0.13	0.02	0.023	0	I					0.68
3.917	0.13	0.02	0.024	0	I					0.71
4.000	0.13	0.02	0.025	0	I					0.73
4.083	0.13	0.02	0.026	0	I					0.75
4.167	0.13	0.02	0.027	0	I					0.77
4.250	0.13	0.02	0.027	0	I					0.79
4.333	0.15	0.02	0.028	0	I					0.81
4.417	0.16	0.02	0.029	0	I					0.84
4.500	0.16	0.02	0.030	0	I					0.86
4.583	0.16	0.03	0.031	0	I					0.89
4.667	0.16	0.03	0.032	0	I					0.91
4.750	0.16	0.03	0.033	0	I					0.93
4.833	0.17	0.03	0.034	0	I					0.96
4.917	0.18	0.03	0.035	0	I					0.99
5.000	0.18	0.03	0.036	0	I					1.01
5.083	0.15	0.03	0.037	0	I					1.03
5.167	0.14	0.03	0.037	0	I					1.04
5.250	0.13	0.03	0.038	0	I					1.05
5.333	0.15	0.03	0.039	0	I					1.07
5.417	0.16	0.03	0.040	0	I					1.08
5.500	0.16	0.03	0.041	0	I					1.10
5.583	0.17	0.03	0.042	0	I					1.11
5.667	0.18	0.03	0.043	0	I					1.13
5.750	0.18	0.03	0.044	0	I					1.15
5.833	0.18	0.03	0.045	0	I					1.17
5.917	0.18	0.03	0.046	0	I					1.19
6.000	0.18	0.03	0.047	0	I					1.20

6.083	0.19	0.03	0.048	0	I					1.22
6.167	0.20	0.03	0.049	0	I					1.24
6.250	0.20	0.03	0.050	0	I					1.26
6.333	0.20	0.03	0.051	0	I					1.28
6.417	0.20	0.03	0.052	0	I					1.30
6.500	0.20	0.03	0.054	0	I					1.33
6.583	0.22	0.03	0.055	0	I					1.35
6.667	0.22	0.03	0.056	0	I					1.37
6.750	0.22	0.03	0.057	0	I					1.39
6.833	0.22	0.03	0.059	0	I					1.42
6.917	0.22	0.03	0.060	0	I					1.44
7.000	0.22	0.03	0.061	0	I					1.46
7.083	0.22	0.03	0.063	0	I					1.48
7.167	0.22	0.03	0.064	0	I					1.51
7.250	0.22	0.03	0.065	0	I					1.53
7.333	0.24	0.03	0.067	0	I					1.55
7.417	0.25	0.03	0.068	0	I					1.58
7.500	0.25	0.03	0.069	0	I					1.60
7.583	0.26	0.03	0.071	0	I					1.63
7.667	0.27	0.04	0.073	0	I					1.66
7.750	0.27	0.04	0.074	0	I					1.69
7.833	0.28	0.04	0.076	0	I					1.72
7.917	0.29	0.04	0.078	0	I					1.75
8.000	0.29	0.04	0.079	0	I					1.78
8.083	0.32	0.04	0.081	0	I					1.81
8.167	0.33	0.04	0.083	0	I					1.84
8.250	0.34	0.04	0.085	0	I					1.88
8.333	0.34	0.04	0.087	0	I					1.92
8.417	0.34	0.04	0.089	0	I					1.95
8.500	0.34	0.04	0.091	0	I					1.99
8.583	0.35	0.04	0.093	0	I					2.02
8.667	0.36	0.04	0.096	0	I					2.05
8.750	0.36	0.04	0.098	0	I					2.09
8.833	0.37	0.04	0.100	0	I					2.12
8.917	0.38	0.04	0.102	0	I					2.15
9.000	0.38	0.04	0.105	0	I					2.19
9.083	0.41	0.04	0.107	0	I					2.22
9.167	0.42	0.04	0.110	0	I					2.26
9.250	0.43	0.04	0.112	0	I					2.30
9.333	0.44	0.04	0.115	0	I					2.34
9.417	0.45	0.04	0.118	0	I					2.38
9.500	0.45	0.04	0.121	0	I					2.42
9.583	0.46	0.04	0.123	0	I					2.46
9.667	0.47	0.04	0.126	0	I					2.50
9.750	0.47	0.04	0.129	0	I					2.55
9.833	0.48	0.04	0.132	0	I					2.59
9.917	0.49	0.04	0.135	0	I					2.64
10.000	0.49	0.05	0.138	0	I					2.68
10.083	0.39	0.05	0.141	0	I					2.72
10.167	0.34	0.05	0.143	0	I					2.75

10.250	0.34	0.05	0.145	0		I				2.78
10.333	0.34	0.05	0.147	0		I				2.81
10.417	0.34	0.05	0.149	0		I				2.84
10.500	0.34	0.05	0.151	0		I				2.87
10.583	0.41	0.05	0.154	0			I			2.91
10.667	0.44	0.05	0.156	0			I			2.94
10.750	0.45	0.05	0.159	0			I			2.98
10.833	0.45	0.05	0.162	0			I			3.02
10.917	0.45	0.05	0.164	0			I			3.06
11.000	0.45	0.05	0.167	0			I			3.10
11.083	0.43	0.05	0.170	0			I			3.14
11.167	0.43	0.05	0.172	0			I			3.18
11.250	0.43	0.05	0.175	0			I			3.22
11.333	0.43	0.05	0.178	0			I			3.25
11.417	0.43	0.05	0.180	0			I			3.29
11.500	0.43	0.05	0.183	0			I			3.33
11.583	0.40	0.05	0.185	0		I				3.36
11.667	0.38	0.05	0.188	0		I				3.39
11.750	0.38	0.05	0.190	0		I				3.43
11.833	0.39	0.05	0.192	0		I				3.46
11.917	0.40	0.05	0.195	0		I				3.49
12.000	0.40	0.05	0.197	0		I				3.53
12.083	0.50	0.05	0.200	0			I			3.57
12.167	0.55	0.05	0.203	0				I		3.62
12.250	0.56	0.05	0.207	0				I		3.66
12.333	0.57	0.05	0.210	0				I		3.72
12.417	0.58	0.05	0.214	0				I		3.77
12.500	0.58	0.05	0.217	0				I		3.82
12.583	0.61	0.05	0.221	0				I		3.87
12.667	0.63	0.06	0.225	0				I		3.93
12.750	0.63	0.06	0.229	0				I		3.98
12.833	0.64	0.06	0.233	0				I		4.04
12.917	0.65	0.06	0.237	0				I		4.10
13.000	0.65	0.06	0.241	0				I		4.16
13.083	0.75	0.06	0.245	0					I	4.22
13.167	0.80	0.06	0.250	0					I	4.29
13.250	0.80	0.06	0.255	0					I	4.36
13.333	0.81	0.06	0.261	0					I	4.44
13.417	0.81	0.06	0.266	0					I	4.51
13.500	0.81	0.06	0.271	0					I	4.59
13.583	0.62	0.06	0.275	0				I		4.65
13.667	0.52	0.06	0.279	0			I			4.70
13.750	0.51	0.06	0.282	0			I			4.75
13.833	0.51	0.06	0.285	0			I			4.80
13.917	0.51	0.06	0.288	0			I			4.85
14.000	0.51	0.06	0.291	0			I			4.91
14.083	0.57	0.06	0.295	0				I		4.96
14.167	0.60	0.07	0.298	0				I		5.02
14.250	0.61	0.10	0.302	0				I		5.08
14.333	0.59	0.13	0.305	0	0			I		5.13

14.417	0.58	0.15	0.308	0		I	5.18
14.500	0.58	0.17	0.311	0		I	5.23
14.583	0.58	0.20	0.314	0		I	5.27
14.667	0.58	0.22	0.316	0		I	5.32
14.750	0.58	0.24	0.319	0		I	5.36
14.833	0.57	0.25	0.321	0		I	5.39
14.917	0.56	0.27	0.323	0		I	5.43
15.000	0.56	0.28	0.325	0		I	5.46
15.083	0.55	0.30	0.327	0		I	5.49
15.167	0.54	0.31	0.329	0		I	5.51
15.250	0.54	0.32	0.330	0		I	5.54
15.333	0.52	0.33	0.332	0		I	5.56
15.417	0.52	0.34	0.333	0		I	5.58
15.500	0.51	0.35	0.334	0		I	5.60
15.583	0.46	0.36	0.335	0	I		5.61
15.667	0.43	0.36	0.335	0	I		5.62
15.750	0.43	0.37	0.336	0	I		5.63
15.833	0.43	0.37	0.336	0	I		5.64
15.917	0.43	0.37	0.337	0	I		5.64
16.000	0.43	0.38	0.337	0	I		5.65
16.083	0.21	0.37	0.337	I	0		5.64
16.167	0.10	0.36	0.335	I	0		5.62
16.250	0.09	0.35	0.333	I	0		5.59
16.333	0.09	0.33	0.332	I	0		5.56
16.417	0.09	0.32	0.330	I	0		5.53
16.500	0.09	0.31	0.328	I	0		5.51
16.583	0.08	0.30	0.327	I	0		5.48
16.667	0.07	0.29	0.325	I	0		5.46
16.750	0.07	0.27	0.324	I	0		5.44
16.833	0.07	0.26	0.322	I	0		5.41
16.917	0.07	0.25	0.321	I	0		5.39
17.000	0.07	0.24	0.320	I	0		5.37
17.083	0.10	0.23	0.319	I	0		5.35
17.167	0.11	0.23	0.318	I	0		5.34
17.250	0.11	0.22	0.317	I	0		5.33
17.333	0.11	0.22	0.316	I	0		5.32
17.417	0.11	0.21	0.316	I	0		5.30
17.500	0.11	0.20	0.315	I	0		5.29
17.583	0.11	0.20	0.314	I	0		5.28
17.667	0.11	0.20	0.314	I	0		5.27
17.750	0.11	0.19	0.313	I	0		5.26
17.833	0.10	0.19	0.313	I	0		5.26
17.917	0.09	0.18	0.312	I	0		5.25
18.000	0.09	0.18	0.311	I	0		5.24
18.083	0.09	0.17	0.311	I	0		5.23
18.167	0.09	0.17	0.310	I	0		5.22
18.250	0.09	0.16	0.310	I	0		5.21
18.333	0.09	0.16	0.309	I	0		5.20
18.417	0.09	0.16	0.309	I	0		5.19
18.500	0.09	0.15	0.308	I	0		5.19

18.583	0.08	0.15	0.308	I	0					5.18
18.667	0.07	0.14	0.307	I	0					5.17
18.750	0.07	0.14	0.307	I	0					5.16
18.833	0.05	0.14	0.306	I	0					5.15
18.917	0.05	0.13	0.306	I	0					5.14
19.000	0.04	0.13	0.305	I	0					5.13
19.083	0.06	0.12	0.305	I	0					5.12
19.167	0.07	0.12	0.304	I	0					5.12
19.250	0.07	0.12	0.304	I	0					5.11
19.333	0.08	0.12	0.304		IO					5.11
19.417	0.09	0.11	0.303		IO					5.10
19.500	0.09	0.11	0.303		IO					5.10
19.583	0.08	0.11	0.303	I	0					5.10
19.667	0.07	0.11	0.303	I	0					5.09
19.750	0.07	0.11	0.303	I	0					5.09
19.833	0.05	0.10	0.302	I	0					5.08
19.917	0.05	0.10	0.302	I	0					5.08
20.000	0.04	0.10	0.301	I	0					5.07
20.083	0.06	0.10	0.301		IO					5.07
20.167	0.07	0.09	0.301		IO					5.06
20.250	0.07	0.09	0.301		IO					5.06
20.333	0.07	0.09	0.301		IO					5.06
20.417	0.07	0.09	0.300		IO					5.06
20.500	0.07	0.09	0.300		IO					5.05
20.583	0.07	0.09	0.300		IO					5.05
20.667	0.07	0.09	0.300		IO					5.05
20.750	0.07	0.09	0.300		IO					5.05
20.833	0.05	0.08	0.300		IO					5.04
20.917	0.05	0.08	0.299	I	0					5.04
21.000	0.04	0.08	0.299	I	0					5.04
21.083	0.06	0.08	0.299		IO					5.03
21.167	0.07	0.08	0.299		IO					5.03
21.250	0.07	0.08	0.299		IO					5.03
21.333	0.05	0.08	0.299		IO					5.03
21.417	0.05	0.08	0.299		IO					5.03
21.500	0.04	0.07	0.298		IO					5.02
21.583	0.06	0.07	0.298		0					5.02
21.667	0.07	0.07	0.298		0					5.02
21.750	0.07	0.07	0.298		0					5.02
21.833	0.05	0.07	0.298		0					5.02
21.917	0.05	0.07	0.298		IO					5.01
22.000	0.04	0.07	0.298		IO					5.01
22.083	0.06	0.07	0.298		0					5.01
22.167	0.07	0.07	0.298		0					5.01
22.250	0.07	0.07	0.298		0					5.01
22.333	0.05	0.07	0.298		0					5.01
22.417	0.05	0.07	0.297		IO					5.01
22.500	0.04	0.06	0.297		IO					5.00
22.583	0.04	0.06	0.297		IO					5.00
22.667	0.04	0.06	0.297		IO					5.00

22.750	0.04	0.06	0.297	IO					5.00
22.833	0.04	0.06	0.297	IO					5.00
22.917	0.04	0.06	0.297	IO					4.99
23.000	0.04	0.06	0.296	IO					4.99
23.083	0.04	0.06	0.296	IO					4.99
23.167	0.04	0.06	0.296	IO					4.99
23.250	0.04	0.06	0.296	IO					4.99
23.333	0.04	0.06	0.296	IO					4.98
23.417	0.04	0.06	0.296	IO					4.98
23.500	0.04	0.06	0.296	IO					4.98
23.583	0.04	0.06	0.296	IO					4.98
23.667	0.04	0.06	0.295	IO					4.97
23.750	0.04	0.06	0.295	IO					4.97
23.833	0.04	0.06	0.295	IO					4.97
23.917	0.04	0.06	0.295	IO					4.97
24.000	0.04	0.06	0.295	IO					4.97
24.083	0.02	0.06	0.295	I 0					4.96
24.167	0.00	0.06	0.294	I 0					4.96
24.250	0.00	0.06	0.294	I 0					4.95
24.333	0.00	0.06	0.294	I 0					4.94
24.417	0.00	0.06	0.293	I 0					4.94
24.500	0.00	0.06	0.293	I 0					4.93
24.583	0.00	0.06	0.292	I 0					4.92
24.667	0.00	0.06	0.292	I 0					4.91
24.750	0.00	0.06	0.291	I 0					4.91
24.833	0.00	0.06	0.291	I 0					4.90
24.917	0.00	0.06	0.291	I 0					4.89
25.000	0.00	0.06	0.290	I 0					4.89
25.083	0.00	0.06	0.290	I 0					4.88
25.167	0.00	0.06	0.289	I 0					4.87
25.250	0.00	0.06	0.289	I 0					4.86
25.333	0.00	0.06	0.288	I 0					4.86
25.417	0.00	0.06	0.288	I 0					4.85
25.500	0.00	0.06	0.288	I 0					4.84
25.583	0.00	0.06	0.287	I 0					4.84
25.667	0.00	0.06	0.287	I 0					4.83
25.750	0.00	0.06	0.286	I 0					4.82
25.833	0.00	0.06	0.286	I 0					4.81
25.917	0.00	0.06	0.285	I 0					4.81
26.000	0.00	0.06	0.285	I 0					4.80
26.083	0.00	0.06	0.285	I 0					4.79
26.167	0.00	0.06	0.284	I 0					4.79
26.250	0.00	0.06	0.284	I 0					4.78
26.333	0.00	0.06	0.283	I 0					4.77
26.417	0.00	0.06	0.283	I 0					4.76
26.500	0.00	0.06	0.282	I 0					4.76
26.583	0.00	0.06	0.282	I 0					4.75
26.667	0.00	0.06	0.282	I 0					4.74
26.750	0.00	0.06	0.281	I 0					4.74
26.833	0.00	0.06	0.281	I 0					4.73

26.917	0.00	0.06	0.280	I 0					4.73
27.000	0.00	0.06	0.280	I 0					4.72
27.083	0.00	0.06	0.280	I 0					4.71
27.167	0.00	0.06	0.279	I 0					4.71
27.250	0.00	0.06	0.279	I 0					4.70
27.333	0.00	0.06	0.278	I 0					4.70
27.417	0.00	0.06	0.278	I 0					4.69
27.500	0.00	0.06	0.277	I 0					4.68
27.583	0.00	0.06	0.277	I 0					4.68
27.667	0.00	0.06	0.277	I 0					4.67
27.750	0.00	0.06	0.276	I 0					4.66
27.833	0.00	0.06	0.276	I 0					4.66
27.917	0.00	0.06	0.275	I 0					4.65
28.000	0.00	0.06	0.275	I 0					4.65
28.083	0.00	0.06	0.275	I 0					4.64
28.167	0.00	0.06	0.274	I 0					4.63
28.250	0.00	0.06	0.274	I 0					4.63
28.333	0.00	0.06	0.273	I 0					4.62
28.417	0.00	0.06	0.273	I 0					4.62
28.500	0.00	0.06	0.272	I 0					4.61
28.583	0.00	0.06	0.272	I 0					4.60
28.667	0.00	0.06	0.272	I 0					4.60
28.750	0.00	0.06	0.271	I 0					4.59
28.833	0.00	0.06	0.271	I 0					4.58
28.917	0.00	0.06	0.270	I 0					4.58
29.000	0.00	0.06	0.270	I 0					4.57
29.083	0.00	0.06	0.270	I 0					4.57
29.167	0.00	0.06	0.269	I 0					4.56
29.250	0.00	0.06	0.269	I 0					4.55
29.333	0.00	0.06	0.268	I 0					4.55
29.417	0.00	0.06	0.268	I 0					4.54
29.500	0.00	0.06	0.267	I 0					4.54
29.583	0.00	0.06	0.267	I 0					4.53
29.667	0.00	0.06	0.267	I 0					4.52
29.750	0.00	0.06	0.266	I 0					4.52
29.833	0.00	0.06	0.266	I 0					4.51
29.917	0.00	0.06	0.265	I 0					4.51
30.000	0.00	0.06	0.265	I 0					4.50
30.083	0.00	0.06	0.265	I 0					4.49
30.167	0.00	0.06	0.264	I 0					4.49
30.250	0.00	0.06	0.264	I 0					4.48
30.333	0.00	0.06	0.263	I 0					4.48
30.417	0.00	0.06	0.263	I 0					4.47
30.500	0.00	0.06	0.262	I 0					4.46
30.583	0.00	0.06	0.262	I 0					4.46
30.667	0.00	0.06	0.262	I 0					4.45
30.750	0.00	0.06	0.261	I 0					4.45
30.833	0.00	0.06	0.261	I 0					4.44
30.917	0.00	0.06	0.260	I 0					4.43
31.000	0.00	0.06	0.260	I 0					4.43

31.083	0.00	0.06	0.260	I 0					4.42
31.167	0.00	0.06	0.259	I 0					4.42
31.250	0.00	0.06	0.259	I 0					4.41
31.333	0.00	0.06	0.258	I 0					4.41
31.417	0.00	0.06	0.258	I 0					4.40
31.500	0.00	0.06	0.258	I 0					4.39
31.583	0.00	0.06	0.257	I 0					4.39
31.667	0.00	0.06	0.257	I 0					4.38
31.750	0.00	0.06	0.256	I 0					4.38
31.833	0.00	0.06	0.256	I 0					4.37
31.917	0.00	0.06	0.256	I 0					4.37
32.000	0.00	0.06	0.255	I 0					4.36
32.083	0.00	0.06	0.255	I 0					4.35
32.167	0.00	0.06	0.254	I 0					4.35
32.250	0.00	0.06	0.254	I 0					4.34
32.333	0.00	0.06	0.254	I 0					4.34
32.417	0.00	0.06	0.253	I 0					4.33
32.500	0.00	0.06	0.253	I 0					4.32
32.583	0.00	0.06	0.252	I 0					4.32
32.667	0.00	0.06	0.252	I 0					4.31
32.750	0.00	0.06	0.252	I 0					4.31
32.833	0.00	0.06	0.251	I 0					4.30
32.917	0.00	0.06	0.251	I 0					4.30
33.000	0.00	0.06	0.250	I 0					4.29
33.083	0.00	0.06	0.250	I 0					4.28
33.167	0.00	0.06	0.250	I 0					4.28
33.250	0.00	0.06	0.249	I 0					4.27
33.333	0.00	0.06	0.249	I 0					4.27
33.417	0.00	0.06	0.248	I 0					4.26
33.500	0.00	0.06	0.248	I 0					4.26
33.583	0.00	0.06	0.247	I 0					4.25
33.667	0.00	0.06	0.247	I 0					4.24
33.750	0.00	0.06	0.247	I 0					4.24
33.833	0.00	0.06	0.246	I 0					4.23
33.917	0.00	0.06	0.246	I 0					4.23
34.000	0.00	0.06	0.246	I 0					4.22
34.083	0.00	0.06	0.245	I 0					4.22
34.167	0.00	0.06	0.245	I 0					4.21
34.250	0.00	0.06	0.244	I 0					4.20
34.333	0.00	0.06	0.244	I 0					4.20
34.417	0.00	0.06	0.244	I 0					4.19
34.500	0.00	0.06	0.243	I 0					4.19
34.583	0.00	0.06	0.243	I 0					4.18
34.667	0.00	0.06	0.242	I 0					4.18
34.750	0.00	0.06	0.242	I 0					4.17
34.833	0.00	0.06	0.242	I 0					4.16
34.917	0.00	0.06	0.241	I 0					4.16
35.000	0.00	0.06	0.241	I 0					4.15
35.083	0.00	0.06	0.240	I 0					4.15
35.167	0.00	0.06	0.240	I 0					4.14

35.250	0.00	0.06	0.240	I 0					4.14
35.333	0.00	0.06	0.239	I 0					4.13
35.417	0.00	0.06	0.239	I 0					4.13
35.500	0.00	0.06	0.238	I 0					4.12
35.583	0.00	0.06	0.238	I 0					4.11
35.667	0.00	0.06	0.238	I 0					4.11
35.750	0.00	0.06	0.237	I 0					4.10
35.833	0.00	0.06	0.237	I 0					4.10
35.917	0.00	0.06	0.236	I 0					4.09
36.000	0.00	0.06	0.236	I 0					4.09
36.083	0.00	0.06	0.236	I 0					4.08
36.167	0.00	0.06	0.235	I 0					4.08
36.250	0.00	0.06	0.235	I 0					4.07
36.333	0.00	0.06	0.234	I 0					4.06
36.417	0.00	0.06	0.234	I 0					4.06
36.500	0.00	0.06	0.234	I 0					4.05
36.583	0.00	0.06	0.233	I 0					4.05
36.667	0.00	0.06	0.233	I 0					4.04
36.750	0.00	0.06	0.233	I 0					4.04
36.833	0.00	0.06	0.232	I 0					4.03
36.917	0.00	0.06	0.232	I 0					4.03
37.000	0.00	0.06	0.231	I 0					4.02
37.083	0.00	0.06	0.231	I 0					4.01
37.167	0.00	0.06	0.231	I 0					4.01
37.250	0.00	0.06	0.230	I 0					4.00
37.333	0.00	0.06	0.230	I 0					4.00
37.417	0.00	0.06	0.229	I 0					3.99
37.500	0.00	0.06	0.229	I 0					3.99
37.583	0.00	0.06	0.229	I 0					3.98
37.667	0.00	0.06	0.228	I 0					3.98
37.750	0.00	0.06	0.228	I 0					3.97
37.833	0.00	0.06	0.228	I 0					3.96
37.917	0.00	0.06	0.227	I 0					3.96
38.000	0.00	0.06	0.227	I 0					3.95
38.083	0.00	0.06	0.226	I 0					3.95
38.167	0.00	0.06	0.226	I 0					3.94
38.250	0.00	0.06	0.226	I 0					3.94
38.333	0.00	0.06	0.225	I 0					3.93
38.417	0.00	0.06	0.225	I 0					3.93
38.500	0.00	0.06	0.224	I 0					3.92
38.583	0.00	0.06	0.224	I 0					3.92
38.667	0.00	0.06	0.224	I 0					3.91
38.750	0.00	0.06	0.223	I 0					3.90
38.833	0.00	0.06	0.223	I 0					3.90
38.917	0.00	0.06	0.223	I 0					3.89
39.000	0.00	0.06	0.222	I 0					3.89
39.083	0.00	0.06	0.222	I 0					3.88
39.167	0.00	0.06	0.221	I 0					3.88
39.250	0.00	0.05	0.221	I 0					3.87
39.333	0.00	0.05	0.221	I 0					3.87

39.417	0.00	0.05	0.220	I 0					3.86
39.500	0.00	0.05	0.220	I 0					3.86
39.583	0.00	0.05	0.220	I 0					3.85
39.667	0.00	0.05	0.219	I 0					3.85
39.750	0.00	0.05	0.219	I 0					3.84
39.833	0.00	0.05	0.218	I 0					3.83
39.917	0.00	0.05	0.218	I 0					3.83
40.000	0.00	0.05	0.218	I 0					3.82
40.083	0.00	0.05	0.217	I 0					3.82
40.167	0.00	0.05	0.217	I 0					3.81
40.250	0.00	0.05	0.217	I 0					3.81
40.333	0.00	0.05	0.216	I 0					3.80
40.417	0.00	0.05	0.216	I 0					3.80
40.500	0.00	0.05	0.215	I 0					3.79
40.583	0.00	0.05	0.215	I 0					3.79
40.667	0.00	0.05	0.215	I 0					3.78
40.750	0.00	0.05	0.214	I 0					3.78
40.833	0.00	0.05	0.214	I 0					3.77
40.917	0.00	0.05	0.214	I 0					3.76
41.000	0.00	0.05	0.213	I 0					3.76
41.083	0.00	0.05	0.213	I 0					3.75
41.167	0.00	0.05	0.212	I 0					3.75
41.250	0.00	0.05	0.212	I 0					3.74
41.333	0.00	0.05	0.212	I 0					3.74
41.417	0.00	0.05	0.211	I 0					3.73
41.500	0.00	0.05	0.211	I 0					3.73
41.583	0.00	0.05	0.211	I 0					3.72
41.667	0.00	0.05	0.210	I 0					3.72
41.750	0.00	0.05	0.210	I 0					3.71
41.833	0.00	0.05	0.209	I 0					3.71
41.917	0.00	0.05	0.209	I 0					3.70
42.000	0.00	0.05	0.209	I 0					3.70
42.083	0.00	0.05	0.208	I 0					3.69
42.167	0.00	0.05	0.208	I 0					3.69
42.250	0.00	0.05	0.208	I 0					3.68
42.333	0.00	0.05	0.207	I 0					3.67
42.417	0.00	0.05	0.207	I 0					3.67
42.500	0.00	0.05	0.207	I 0					3.66
42.583	0.00	0.05	0.206	I 0					3.66
42.667	0.00	0.05	0.206	I 0					3.65
42.750	0.00	0.05	0.205	I 0					3.65
42.833	0.00	0.05	0.205	I 0					3.64
42.917	0.00	0.05	0.205	I 0					3.64
43.000	0.00	0.05	0.204	I 0					3.63
43.083	0.00	0.05	0.204	I 0					3.63
43.167	0.00	0.05	0.204	I 0					3.62
43.250	0.00	0.05	0.203	I 0					3.62
43.333	0.00	0.05	0.203	I 0					3.61
43.417	0.00	0.05	0.202	I 0					3.61
43.500	0.00	0.05	0.202	I 0					3.60

43.583	0.00	0.05	0.202	I 0					3.60
43.667	0.00	0.05	0.201	I 0					3.59
43.750	0.00	0.05	0.201	I 0					3.59
43.833	0.00	0.05	0.201	I 0					3.58
43.917	0.00	0.05	0.200	I 0					3.58
44.000	0.00	0.05	0.200	I 0					3.57
44.083	0.00	0.05	0.200	I 0					3.57
44.167	0.00	0.05	0.199	I 0					3.56
44.250	0.00	0.05	0.199	I 0					3.56
44.333	0.00	0.05	0.199	I 0					3.55
44.417	0.00	0.05	0.198	I 0					3.54
44.500	0.00	0.05	0.198	I 0					3.54
44.583	0.00	0.05	0.197	I 0					3.53
44.667	0.00	0.05	0.197	I 0					3.53
44.750	0.00	0.05	0.197	I 0					3.52
44.833	0.00	0.05	0.196	I 0					3.52
44.917	0.00	0.05	0.196	I 0					3.51
45.000	0.00	0.05	0.196	I 0					3.51
45.083	0.00	0.05	0.195	I 0					3.50
45.167	0.00	0.05	0.195	I 0					3.50
45.250	0.00	0.05	0.195	I 0					3.49
45.333	0.00	0.05	0.194	I 0					3.49
45.417	0.00	0.05	0.194	I 0					3.48
45.500	0.00	0.05	0.193	I 0					3.48
45.583	0.00	0.05	0.193	I 0					3.47
45.667	0.00	0.05	0.193	I 0					3.47
45.750	0.00	0.05	0.192	I 0					3.46
45.833	0.00	0.05	0.192	I 0					3.46
45.917	0.00	0.05	0.192	I 0					3.45
46.000	0.00	0.05	0.191	I 0					3.45
46.083	0.00	0.05	0.191	I 0					3.44
46.167	0.00	0.05	0.191	I 0					3.44
46.250	0.00	0.05	0.190	I 0					3.43
46.333	0.00	0.05	0.190	I 0					3.43
46.417	0.00	0.05	0.190	I 0					3.42
46.500	0.00	0.05	0.189	I 0					3.42
46.583	0.00	0.05	0.189	I 0					3.41
46.667	0.00	0.05	0.189	I 0					3.41
46.750	0.00	0.05	0.188	I 0					3.40
46.833	0.00	0.05	0.188	I 0					3.40
46.917	0.00	0.05	0.187	I 0					3.39
47.000	0.00	0.05	0.187	I 0					3.39
47.083	0.00	0.05	0.187	I 0					3.38
47.167	0.00	0.05	0.186	I 0					3.38
47.250	0.00	0.05	0.186	I 0					3.37
47.333	0.00	0.05	0.186	I 0					3.37
47.417	0.00	0.05	0.185	I 0					3.36
47.500	0.00	0.05	0.185	I 0					3.36
47.583	0.00	0.05	0.185	I 0					3.35
47.667	0.00	0.05	0.184	I 0					3.35

47.750	0.00	0.05	0.184	I 0					3.34
47.833	0.00	0.05	0.184	I 0					3.34
47.917	0.00	0.05	0.183	I 0					3.33
48.000	0.00	0.05	0.183	I 0					3.33
48.083	0.00	0.05	0.183	I 0					3.32
48.167	0.00	0.05	0.182	I 0					3.32
48.250	0.00	0.05	0.182	IO					3.31
48.333	0.00	0.05	0.182	IO					3.31
48.417	0.00	0.05	0.181	IO					3.30
48.500	0.00	0.05	0.181	IO					3.30
48.583	0.00	0.05	0.180	IO					3.29
48.667	0.00	0.05	0.180	IO					3.29
48.750	0.00	0.05	0.180	IO					3.28
48.833	0.00	0.05	0.179	IO					3.28
48.917	0.00	0.05	0.179	IO					3.27
49.000	0.00	0.05	0.179	IO					3.27
49.083	0.00	0.05	0.178	IO					3.26
49.167	0.00	0.05	0.178	IO					3.26
49.250	0.00	0.05	0.178	IO					3.25
49.333	0.00	0.05	0.177	IO					3.25
49.417	0.00	0.05	0.177	IO					3.24
49.500	0.00	0.05	0.177	IO					3.24
49.583	0.00	0.05	0.176	IO					3.23
49.667	0.00	0.05	0.176	IO					3.23
49.750	0.00	0.05	0.176	IO					3.22
49.833	0.00	0.05	0.175	IO					3.22
49.917	0.00	0.05	0.175	IO					3.21
50.000	0.00	0.05	0.175	IO					3.21
50.083	0.00	0.05	0.174	IO					3.20
50.167	0.00	0.05	0.174	IO					3.20
50.250	0.00	0.05	0.174	IO					3.19
50.333	0.00	0.05	0.173	IO					3.19
50.417	0.00	0.05	0.173	IO					3.18
50.500	0.00	0.05	0.173	IO					3.18
50.583	0.00	0.05	0.172	IO					3.17
50.667	0.00	0.05	0.172	IO					3.17
50.750	0.00	0.05	0.172	IO					3.16
50.833	0.00	0.05	0.171	IO					3.16
50.917	0.00	0.05	0.171	IO					3.16
51.000	0.00	0.05	0.171	IO					3.15
51.083	0.00	0.05	0.170	IO					3.15
51.167	0.00	0.05	0.170	IO					3.14
51.250	0.00	0.05	0.170	IO					3.14
51.333	0.00	0.05	0.169	IO					3.13
51.417	0.00	0.05	0.169	IO					3.13
51.500	0.00	0.05	0.168	IO					3.12
51.583	0.00	0.05	0.168	IO					3.12
51.667	0.00	0.05	0.168	IO					3.11
51.750	0.00	0.05	0.167	IO					3.11
51.833	0.00	0.05	0.167	IO					3.10

51.917	0.00	0.05	0.167	IO					3.10
52.000	0.00	0.05	0.166	IO					3.09
52.083	0.00	0.05	0.166	IO					3.09
52.167	0.00	0.05	0.166	IO					3.08
52.250	0.00	0.05	0.165	IO					3.08
52.333	0.00	0.05	0.165	IO					3.07
52.417	0.00	0.05	0.165	IO					3.07
52.500	0.00	0.05	0.164	IO					3.06
52.583	0.00	0.05	0.164	IO					3.06
52.667	0.00	0.05	0.164	IO					3.05
52.750	0.00	0.05	0.163	IO					3.05
52.833	0.00	0.05	0.163	IO					3.04
52.917	0.00	0.05	0.163	IO					3.04
53.000	0.00	0.05	0.162	IO					3.04
53.083	0.00	0.05	0.162	IO					3.03
53.167	0.00	0.05	0.162	IO					3.03
53.250	0.00	0.05	0.161	IO					3.02
53.333	0.00	0.05	0.161	IO					3.02
53.417	0.00	0.05	0.161	IO					3.01
53.500	0.00	0.05	0.160	IO					3.01
53.583	0.00	0.05	0.160	IO					3.00
53.667	0.00	0.05	0.160	IO					3.00
53.750	0.00	0.05	0.159	IO					2.99
53.833	0.00	0.05	0.159	IO					2.99
53.917	0.00	0.05	0.159	IO					2.98
54.000	0.00	0.05	0.158	IO					2.98
54.083	0.00	0.05	0.158	IO					2.97
54.167	0.00	0.05	0.158	IO					2.97
54.250	0.00	0.05	0.158	IO					2.96
54.333	0.00	0.05	0.157	IO					2.96
54.417	0.00	0.05	0.157	IO					2.95
54.500	0.00	0.05	0.157	IO					2.95
54.583	0.00	0.05	0.156	IO					2.94
54.667	0.00	0.05	0.156	IO					2.94
54.750	0.00	0.05	0.156	IO					2.93
54.833	0.00	0.05	0.155	IO					2.93
54.917	0.00	0.05	0.155	IO					2.92
55.000	0.00	0.05	0.155	IO					2.92
55.083	0.00	0.05	0.154	IO					2.92
55.167	0.00	0.05	0.154	IO					2.91
55.250	0.00	0.05	0.154	IO					2.91
55.333	0.00	0.05	0.153	IO					2.90
55.417	0.00	0.05	0.153	IO					2.90
55.500	0.00	0.05	0.153	IO					2.89
55.583	0.00	0.05	0.152	IO					2.89
55.667	0.00	0.05	0.152	IO					2.88
55.750	0.00	0.05	0.152	IO					2.88
55.833	0.00	0.05	0.151	IO					2.87
55.917	0.00	0.05	0.151	IO					2.87
56.000	0.00	0.05	0.151	IO					2.86

56.083	0.00	0.05	0.150	IO					2.86
56.167	0.00	0.05	0.150	IO					2.85
56.250	0.00	0.05	0.150	IO					2.85
56.333	0.00	0.05	0.149	IO					2.84
56.417	0.00	0.05	0.149	IO					2.84
56.500	0.00	0.05	0.149	IO					2.83
56.583	0.00	0.05	0.148	IO					2.83
56.667	0.00	0.05	0.148	IO					2.83
56.750	0.00	0.05	0.148	IO					2.82
56.833	0.00	0.05	0.147	IO					2.82
56.917	0.00	0.05	0.147	IO					2.81
57.000	0.00	0.05	0.147	IO					2.81
57.083	0.00	0.05	0.147	IO					2.80
57.167	0.00	0.05	0.146	IO					2.80
57.250	0.00	0.05	0.146	IO					2.79
57.333	0.00	0.05	0.146	IO					2.79
57.417	0.00	0.05	0.145	IO					2.78
57.500	0.00	0.05	0.145	IO					2.78
57.583	0.00	0.05	0.145	IO					2.77
57.667	0.00	0.05	0.144	IO					2.77
57.750	0.00	0.05	0.144	IO					2.76
57.833	0.00	0.05	0.144	IO					2.76
57.917	0.00	0.05	0.143	IO					2.76
58.000	0.00	0.05	0.143	IO					2.75
58.083	0.00	0.05	0.143	IO					2.75
58.167	0.00	0.05	0.142	IO					2.74
58.250	0.00	0.05	0.142	IO					2.74
58.333	0.00	0.05	0.142	IO					2.73
58.417	0.00	0.05	0.141	IO					2.73
58.500	0.00	0.05	0.141	IO					2.72
58.583	0.00	0.05	0.141	IO					2.72
58.667	0.00	0.05	0.141	IO					2.71
58.750	0.00	0.05	0.140	IO					2.71
58.833	0.00	0.05	0.140	IO					2.70
58.917	0.00	0.05	0.140	IO					2.70
59.000	0.00	0.05	0.139	IO					2.70
59.083	0.00	0.05	0.139	IO					2.69
59.167	0.00	0.05	0.139	IO					2.69
59.250	0.00	0.05	0.138	IO					2.68
59.333	0.00	0.05	0.138	IO					2.68
59.417	0.00	0.05	0.138	IO					2.67
59.500	0.00	0.05	0.137	IO					2.67
59.583	0.00	0.04	0.137	IO					2.66
59.667	0.00	0.04	0.137	IO					2.66
59.750	0.00	0.04	0.136	IO					2.65
59.833	0.00	0.04	0.136	IO					2.65
59.917	0.00	0.04	0.136	IO					2.64
60.000	0.00	0.04	0.136	IO					2.64
60.083	0.00	0.04	0.135	IO					2.64
60.167	0.00	0.04	0.135	IO					2.63

60.250	0.00	0.04	0.135	IO					2.63
60.333	0.00	0.04	0.134	IO					2.62
60.417	0.00	0.04	0.134	IO					2.62
60.500	0.00	0.04	0.134	IO					2.61
60.583	0.00	0.04	0.133	IO					2.61
60.667	0.00	0.04	0.133	IO					2.60
60.750	0.00	0.04	0.133	IO					2.60
60.833	0.00	0.04	0.132	IO					2.60
60.917	0.00	0.04	0.132	IO					2.59
61.000	0.00	0.04	0.132	IO					2.59
61.083	0.00	0.04	0.132	IO					2.58
61.167	0.00	0.04	0.131	IO					2.58
61.250	0.00	0.04	0.131	IO					2.57
61.333	0.00	0.04	0.131	IO					2.57
61.417	0.00	0.04	0.130	IO					2.56
61.500	0.00	0.04	0.130	IO					2.56
61.583	0.00	0.04	0.130	IO					2.56
61.667	0.00	0.04	0.129	IO					2.55
61.750	0.00	0.04	0.129	IO					2.55
61.833	0.00	0.04	0.129	IO					2.54
61.917	0.00	0.04	0.129	IO					2.54
62.000	0.00	0.04	0.128	IO					2.53
62.083	0.00	0.04	0.128	IO					2.53
62.167	0.00	0.04	0.128	IO					2.52
62.250	0.00	0.04	0.127	IO					2.52
62.333	0.00	0.04	0.127	IO					2.52
62.417	0.00	0.04	0.127	IO					2.51
62.500	0.00	0.04	0.126	IO					2.51
62.583	0.00	0.04	0.126	IO					2.50
62.667	0.00	0.04	0.126	IO					2.50
62.750	0.00	0.04	0.126	IO					2.49
62.833	0.00	0.04	0.125	IO					2.49
62.917	0.00	0.04	0.125	IO					2.48
63.000	0.00	0.04	0.125	IO					2.48
63.083	0.00	0.04	0.124	IO					2.48
63.167	0.00	0.04	0.124	IO					2.47
63.250	0.00	0.04	0.124	IO					2.47
63.333	0.00	0.04	0.123	IO					2.46
63.417	0.00	0.04	0.123	IO					2.46
63.500	0.00	0.04	0.123	IO					2.45
63.583	0.00	0.04	0.123	IO					2.45
63.667	0.00	0.04	0.122	IO					2.44
63.750	0.00	0.04	0.122	IO					2.44
63.833	0.00	0.04	0.122	IO					2.44
63.917	0.00	0.04	0.121	IO					2.43
64.000	0.00	0.04	0.121	IO					2.43
64.083	0.00	0.04	0.121	IO					2.42
64.167	0.00	0.04	0.120	IO					2.42
64.250	0.00	0.04	0.120	IO					2.41
64.333	0.00	0.04	0.120	IO					2.41

64.417	0.00	0.04	0.120	IO					2.41
64.500	0.00	0.04	0.119	IO					2.40
64.583	0.00	0.04	0.119	IO					2.40
64.667	0.00	0.04	0.119	IO					2.39
64.750	0.00	0.04	0.118	IO					2.39
64.833	0.00	0.04	0.118	IO					2.38
64.917	0.00	0.04	0.118	IO					2.38
65.000	0.00	0.04	0.118	IO					2.38
65.083	0.00	0.04	0.117	IO					2.37
65.167	0.00	0.04	0.117	IO					2.37
65.250	0.00	0.04	0.117	IO					2.36
65.333	0.00	0.04	0.116	IO					2.36
65.417	0.00	0.04	0.116	IO					2.35
65.500	0.00	0.04	0.116	IO					2.35
65.583	0.00	0.04	0.116	IO					2.35
65.667	0.00	0.04	0.115	IO					2.34
65.750	0.00	0.04	0.115	IO					2.34
65.833	0.00	0.04	0.115	IO					2.33
65.917	0.00	0.04	0.114	IO					2.33
66.000	0.00	0.04	0.114	IO					2.32
66.083	0.00	0.04	0.114	IO					2.32
66.167	0.00	0.04	0.113	IO					2.32
66.250	0.00	0.04	0.113	IO					2.31
66.333	0.00	0.04	0.113	IO					2.31
66.417	0.00	0.04	0.113	IO					2.30
66.500	0.00	0.04	0.112	IO					2.30
66.583	0.00	0.04	0.112	IO					2.29
66.667	0.00	0.04	0.112	IO					2.29
66.750	0.00	0.04	0.111	IO					2.29
66.833	0.00	0.04	0.111	IO					2.28
66.917	0.00	0.04	0.111	IO					2.28
67.000	0.00	0.04	0.111	IO					2.27
67.083	0.00	0.04	0.110	IO					2.27
67.167	0.00	0.04	0.110	IO					2.27
67.250	0.00	0.04	0.110	IO					2.26
67.333	0.00	0.04	0.109	IO					2.26
67.417	0.00	0.04	0.109	IO					2.25
67.500	0.00	0.04	0.109	IO					2.25
67.583	0.00	0.04	0.109	IO					2.24
67.667	0.00	0.04	0.108	IO					2.24
67.750	0.00	0.04	0.108	IO					2.24
67.833	0.00	0.04	0.108	IO					2.23
67.917	0.00	0.04	0.107	IO					2.23
68.000	0.00	0.04	0.107	IO					2.22
68.083	0.00	0.04	0.107	IO					2.22
68.167	0.00	0.04	0.107	IO					2.22
68.250	0.00	0.04	0.106	IO					2.21
68.333	0.00	0.04	0.106	IO					2.21
68.417	0.00	0.04	0.106	IO					2.20
68.500	0.00	0.04	0.106	IO					2.20

68.583	0.00	0.04	0.105	IO					2.19
68.667	0.00	0.04	0.105	IO					2.19
68.750	0.00	0.04	0.105	IO					2.19
68.833	0.00	0.04	0.104	IO					2.18
68.917	0.00	0.04	0.104	IO					2.18
69.000	0.00	0.04	0.104	IO					2.17
69.083	0.00	0.04	0.104	IO					2.17
69.167	0.00	0.04	0.103	IO					2.17
69.250	0.00	0.04	0.103	IO					2.16
69.333	0.00	0.04	0.103	IO					2.16
69.417	0.00	0.04	0.102	IO					2.15
69.500	0.00	0.04	0.102	IO					2.15
69.583	0.00	0.04	0.102	IO					2.15
69.667	0.00	0.04	0.102	IO					2.14
69.750	0.00	0.04	0.101	IO					2.14
69.833	0.00	0.04	0.101	IO					2.13
69.917	0.00	0.04	0.101	IO					2.13
70.000	0.00	0.04	0.101	IO					2.13
70.083	0.00	0.04	0.100	IO					2.12
70.167	0.00	0.04	0.100	IO					2.12
70.250	0.00	0.04	0.100	IO					2.11
70.333	0.00	0.04	0.099	IO					2.11
70.417	0.00	0.04	0.099	IO					2.10
70.500	0.00	0.04	0.099	IO					2.10
70.583	0.00	0.04	0.099	IO					2.10
70.667	0.00	0.04	0.098	IO					2.09
70.750	0.00	0.04	0.098	IO					2.09
70.833	0.00	0.04	0.098	IO					2.08
70.917	0.00	0.04	0.097	IO					2.08
71.000	0.00	0.04	0.097	IO					2.08
71.083	0.00	0.04	0.097	IO					2.07
71.167	0.00	0.04	0.097	IO					2.07
71.250	0.00	0.04	0.096	IO					2.06
71.333	0.00	0.04	0.096	IO					2.06
71.417	0.00	0.04	0.096	IO					2.06
71.500	0.00	0.04	0.096	IO					2.05
71.583	0.00	0.04	0.095	IO					2.05
71.667	0.00	0.04	0.095	IO					2.04
71.750	0.00	0.04	0.095	IO					2.04
71.833	0.00	0.04	0.094	IO					2.04
71.917	0.00	0.04	0.094	IO					2.03
72.000	0.00	0.04	0.094	IO					2.03
72.083	0.00	0.04	0.094	IO					2.02
72.167	0.00	0.04	0.093	IO					2.02
72.250	0.00	0.04	0.093	IO					2.02
72.333	0.00	0.04	0.093	IO					2.01
72.417	0.00	0.04	0.093	IO					2.01
72.500	0.00	0.04	0.092	IO					2.00
72.583	0.00	0.04	0.092	IO					2.00
72.667	0.00	0.04	0.092	IO					2.00

72.750	0.00	0.04	0.092	IO					1.99
72.833	0.00	0.04	0.091	IO					1.99
72.917	0.00	0.04	0.091	IO					1.98
73.000	0.00	0.04	0.091	IO					1.98
73.083	0.00	0.04	0.090	IO					1.97
73.167	0.00	0.04	0.090	IO					1.97
73.250	0.00	0.04	0.090	IO					1.96
73.333	0.00	0.04	0.090	IO					1.96
73.417	0.00	0.04	0.089	IO					1.95
73.500	0.00	0.04	0.089	IO					1.95
73.583	0.00	0.04	0.089	IO					1.94
73.667	0.00	0.04	0.089	IO					1.94
73.750	0.00	0.04	0.088	IO					1.94
73.833	0.00	0.04	0.088	IO					1.93
73.917	0.00	0.04	0.088	IO					1.93
74.000	0.00	0.04	0.088	IO					1.92
74.083	0.00	0.04	0.087	IO					1.92
74.167	0.00	0.04	0.087	IO					1.91
74.250	0.00	0.04	0.087	IO					1.91
74.333	0.00	0.04	0.086	IO					1.90
74.417	0.00	0.04	0.086	IO					1.90
74.500	0.00	0.04	0.086	IO					1.89
74.583	0.00	0.04	0.086	IO					1.89
74.667	0.00	0.04	0.085	IO					1.89
74.750	0.00	0.04	0.085	IO					1.88
74.833	0.00	0.04	0.085	IO					1.88
74.917	0.00	0.04	0.085	IO					1.87
75.000	0.00	0.04	0.084	IO					1.87
75.083	0.00	0.04	0.084	IO					1.86
75.167	0.00	0.04	0.084	IO					1.86
75.250	0.00	0.04	0.084	IO					1.85
75.333	0.00	0.04	0.083	IO					1.85
75.417	0.00	0.04	0.083	IO					1.84
75.500	0.00	0.04	0.083	IO					1.84
75.583	0.00	0.04	0.083	IO					1.84
75.667	0.00	0.04	0.082	IO					1.83
75.750	0.00	0.04	0.082	IO					1.83
75.833	0.00	0.04	0.082	IO					1.82
75.917	0.00	0.04	0.082	IO					1.82
76.000	0.00	0.04	0.081	IO					1.81
76.083	0.00	0.04	0.081	IO					1.81
76.167	0.00	0.04	0.081	IO					1.80
76.250	0.00	0.04	0.081	IO					1.80
76.333	0.00	0.04	0.080	IO					1.80
76.417	0.00	0.04	0.080	IO					1.79
76.500	0.00	0.04	0.080	IO					1.79
76.583	0.00	0.04	0.080	IO					1.78
76.667	0.00	0.04	0.079	IO					1.78
76.750	0.00	0.04	0.079	IO					1.77
76.833	0.00	0.04	0.079	IO					1.77

76.917	0.00	0.04	0.079	IO					1.76
77.000	0.00	0.04	0.078	IO					1.76
77.083	0.00	0.04	0.078	IO					1.76
77.167	0.00	0.04	0.078	IO					1.75
77.250	0.00	0.04	0.078	IO					1.75
77.333	0.00	0.04	0.077	IO					1.74
77.417	0.00	0.04	0.077	IO					1.74
77.500	0.00	0.04	0.077	IO					1.73
77.583	0.00	0.04	0.077	IO					1.73
77.667	0.00	0.04	0.076	IO					1.72
77.750	0.00	0.04	0.076	IO					1.72
77.833	0.00	0.04	0.076	IO					1.72
77.917	0.00	0.04	0.076	IO					1.71
78.000	0.00	0.04	0.075	IO					1.71
78.083	0.00	0.04	0.075	IO					1.70
78.167	0.00	0.04	0.075	IO					1.70
78.250	0.00	0.04	0.075	IO					1.69
78.333	0.00	0.04	0.074	IO					1.69
78.417	0.00	0.04	0.074	IO					1.69
78.500	0.00	0.04	0.074	IO					1.68
78.583	0.00	0.04	0.074	IO					1.68
78.667	0.00	0.04	0.073	IO					1.67
78.750	0.00	0.04	0.073	IO					1.67
78.833	0.00	0.04	0.073	IO					1.66
78.917	0.00	0.04	0.073	IO					1.66
79.000	0.00	0.04	0.072	IO					1.66
79.083	0.00	0.04	0.072	IO					1.65
79.167	0.00	0.04	0.072	IO					1.65
79.250	0.00	0.04	0.072	IO					1.64
79.333	0.00	0.04	0.071	IO					1.64
79.417	0.00	0.03	0.071	IO					1.63
79.500	0.00	0.03	0.071	IO					1.63
79.583	0.00	0.03	0.071	IO					1.63
79.667	0.00	0.03	0.070	IO					1.62
79.750	0.00	0.03	0.070	IO					1.62
79.833	0.00	0.03	0.070	IO					1.61
79.917	0.00	0.03	0.070	IO					1.61
80.000	0.00	0.03	0.070	IO					1.61
80.083	0.00	0.03	0.069	IO					1.60
80.167	0.00	0.03	0.069	IO					1.60
80.250	0.00	0.03	0.069	IO					1.59
80.333	0.00	0.03	0.069	IO					1.59
80.417	0.00	0.03	0.068	IO					1.58
80.500	0.00	0.03	0.068	IO					1.58
80.583	0.00	0.03	0.068	IO					1.58
80.667	0.00	0.03	0.068	IO					1.57
80.750	0.00	0.03	0.067	IO					1.57
80.833	0.00	0.03	0.067	IO					1.56
80.917	0.00	0.03	0.067	IO					1.56
81.000	0.00	0.03	0.067	IO					1.56

81.083	0.00	0.03	0.066	IO					1.55
81.167	0.00	0.03	0.066	IO					1.55
81.250	0.00	0.03	0.066	IO					1.54
81.333	0.00	0.03	0.066	IO					1.54
81.417	0.00	0.03	0.065	IO					1.54
81.500	0.00	0.03	0.065	IO					1.53
81.583	0.00	0.03	0.065	IO					1.53
81.667	0.00	0.03	0.065	IO					1.52
81.750	0.00	0.03	0.065	IO					1.52
81.833	0.00	0.03	0.064	IO					1.51
81.917	0.00	0.03	0.064	IO					1.51
82.000	0.00	0.03	0.064	IO					1.51
82.083	0.00	0.03	0.064	IO					1.50
82.167	0.00	0.03	0.063	IO					1.50
82.250	0.00	0.03	0.063	IO					1.49
82.333	0.00	0.03	0.063	IO					1.49
82.417	0.00	0.03	0.063	IO					1.49
82.500	0.00	0.03	0.062	IO					1.48
82.583	0.00	0.03	0.062	IO					1.48
82.667	0.00	0.03	0.062	IO					1.47
82.750	0.00	0.03	0.062	IO					1.47
82.833	0.00	0.03	0.062	IO					1.47
82.917	0.00	0.03	0.061	IO					1.46
83.000	0.00	0.03	0.061	IO					1.46
83.083	0.00	0.03	0.061	IO					1.45
83.167	0.00	0.03	0.061	IO					1.45
83.250	0.00	0.03	0.060	IO					1.45
83.333	0.00	0.03	0.060	IO					1.44
83.417	0.00	0.03	0.060	IO					1.44
83.500	0.00	0.03	0.060	IO					1.43
83.583	0.00	0.03	0.060	IO					1.43
83.667	0.00	0.03	0.059	IO					1.43
83.750	0.00	0.03	0.059	IO					1.42
83.833	0.00	0.03	0.059	IO					1.42
83.917	0.00	0.03	0.059	IO					1.41
84.000	0.00	0.03	0.058	IO					1.41
84.083	0.00	0.03	0.058	IO					1.41
84.167	0.00	0.03	0.058	IO					1.40
84.250	0.00	0.03	0.058	IO					1.40
84.333	0.00	0.03	0.058	IO					1.40
84.417	0.00	0.03	0.057	IO					1.39
84.500	0.00	0.03	0.057	IO					1.39
84.583	0.00	0.03	0.057	IO					1.38
84.667	0.00	0.03	0.057	IO					1.38
84.750	0.00	0.03	0.056	IO					1.38
84.833	0.00	0.03	0.056	IO					1.37
84.917	0.00	0.03	0.056	IO					1.37
85.000	0.00	0.03	0.056	IO					1.36
85.083	0.00	0.03	0.056	IO					1.36
85.167	0.00	0.03	0.055	IO					1.36

85.250	0.00	0.03	0.055	IO					1.35
85.333	0.00	0.03	0.055	IO					1.35
85.417	0.00	0.03	0.055	IO					1.34
85.500	0.00	0.03	0.054	IO					1.34
85.583	0.00	0.03	0.054	IO					1.34
85.667	0.00	0.03	0.054	IO					1.33
85.750	0.00	0.03	0.054	IO					1.33
85.833	0.00	0.03	0.054	IO					1.33
85.917	0.00	0.03	0.053	IO					1.32
86.000	0.00	0.03	0.053	IO					1.32
86.083	0.00	0.03	0.053	IO					1.31
86.167	0.00	0.03	0.053	IO					1.31
86.250	0.00	0.03	0.052	IO					1.31
86.333	0.00	0.03	0.052	IO					1.30
86.417	0.00	0.03	0.052	IO					1.30
86.500	0.00	0.03	0.052	IO					1.30
86.583	0.00	0.03	0.052	IO					1.29
86.667	0.00	0.03	0.051	IO					1.29
86.750	0.00	0.03	0.051	IO					1.28
86.833	0.00	0.03	0.051	IO					1.28
86.917	0.00	0.03	0.051	IO					1.28
87.000	0.00	0.03	0.051	IO					1.27
87.083	0.00	0.03	0.050	IO					1.27
87.167	0.00	0.03	0.050	IO					1.27
87.250	0.00	0.03	0.050	IO					1.26
87.333	0.00	0.03	0.050	IO					1.26
87.417	0.00	0.03	0.049	IO					1.25
87.500	0.00	0.03	0.049	IO					1.25
87.583	0.00	0.03	0.049	IO					1.25
87.667	0.00	0.03	0.049	IO					1.24
87.750	0.00	0.03	0.049	IO					1.24
87.833	0.00	0.03	0.048	IO					1.24
87.917	0.00	0.03	0.048	IO					1.23
88.000	0.00	0.03	0.048	IO					1.23
88.083	0.00	0.03	0.048	IO					1.22
88.167	0.00	0.03	0.048	IO					1.22
88.250	0.00	0.03	0.047	IO					1.22
88.333	0.00	0.03	0.047	IO					1.21
88.417	0.00	0.03	0.047	IO					1.21
88.500	0.00	0.03	0.047	IO					1.21
88.583	0.00	0.03	0.047	IO					1.20
88.667	0.00	0.03	0.046	IO					1.20
88.750	0.00	0.03	0.046	IO					1.19
88.833	0.00	0.03	0.046	IO					1.19
88.917	0.00	0.03	0.046	IO					1.19
89.000	0.00	0.03	0.045	IO					1.18
89.083	0.00	0.03	0.045	IO					1.18
89.167	0.00	0.03	0.045	IO					1.18
89.250	0.00	0.03	0.045	IO					1.17
89.333	0.00	0.03	0.045	IO					1.17

89.417	0.00	0.03	0.044	IO					1.17
89.500	0.00	0.03	0.044	IO					1.16
89.583	0.00	0.03	0.044	IO					1.16
89.667	0.00	0.03	0.044	IO					1.16
89.750	0.00	0.03	0.044	IO					1.15
89.833	0.00	0.03	0.043	IO					1.15
89.917	0.00	0.03	0.043	IO					1.14
90.000	0.00	0.03	0.043	IO					1.14
90.083	0.00	0.03	0.043	IO					1.14
90.167	0.00	0.03	0.043	IO					1.13
90.250	0.00	0.03	0.042	IO					1.13
90.333	0.00	0.03	0.042	IO					1.13
90.417	0.00	0.03	0.042	IO					1.12
90.500	0.00	0.03	0.042	IO					1.12
90.583	0.00	0.03	0.042	IO					1.12
90.667	0.00	0.03	0.041	IO					1.11
90.750	0.00	0.03	0.041	IO					1.11
90.833	0.00	0.03	0.041	IO					1.11
90.917	0.00	0.03	0.041	IO					1.10
91.000	0.00	0.03	0.041	IO					1.10
91.083	0.00	0.03	0.040	IO					1.09
91.167	0.00	0.03	0.040	IO					1.09
91.250	0.00	0.03	0.040	IO					1.09
91.333	0.00	0.03	0.040	IO					1.08
91.417	0.00	0.03	0.040	IO					1.08
91.500	0.00	0.03	0.039	IO					1.08
91.583	0.00	0.03	0.039	IO					1.07
91.667	0.00	0.03	0.039	IO					1.07
91.750	0.00	0.03	0.039	IO					1.07
91.833	0.00	0.03	0.039	IO					1.06
91.917	0.00	0.03	0.038	IO					1.06
92.000	0.00	0.03	0.038	IO					1.06
92.083	0.00	0.03	0.038	IO					1.05
92.167	0.00	0.03	0.038	IO					1.05
92.250	0.00	0.03	0.038	IO					1.05
92.333	0.00	0.03	0.037	IO					1.04
92.417	0.00	0.03	0.037	IO					1.04
92.500	0.00	0.03	0.037	IO					1.04
92.583	0.00	0.03	0.037	IO					1.03
92.667	0.00	0.03	0.037	IO					1.03
92.750	0.00	0.03	0.036	IO					1.03
92.833	0.00	0.03	0.036	IO					1.02
92.917	0.00	0.03	0.036	IO					1.02
93.000	0.00	0.03	0.036	IO					1.02
93.083	0.00	0.03	0.036	IO					1.01
93.167	0.00	0.03	0.035	IO					1.01
93.250	0.00	0.03	0.035	IO					1.01
93.333	0.00	0.03	0.035	IO					1.00
93.417	0.00	0.03	0.035	IO					1.00
93.500	0.00	0.03	0.035	IO					0.99

93.583	0.00	0.03	0.035	IO					0.99
93.667	0.00	0.03	0.034	IO					0.98
93.750	0.00	0.03	0.034	IO					0.98
93.833	0.00	0.03	0.034	IO					0.97
93.917	0.00	0.03	0.034	IO					0.97
94.000	0.00	0.03	0.034	IO					0.96
94.083	0.00	0.03	0.033	IO					0.96
94.167	0.00	0.03	0.033	IO					0.95
94.250	0.00	0.03	0.033	IO					0.95
94.333	0.00	0.03	0.033	IO					0.94
94.417	0.00	0.03	0.033	IO					0.94
94.500	0.00	0.03	0.032	IO					0.93
94.583	0.00	0.03	0.032	IO					0.93
94.667	0.00	0.03	0.032	IO					0.92
94.750	0.00	0.03	0.032	IO					0.92
94.833	0.00	0.03	0.032	IO					0.91
94.917	0.00	0.03	0.032	IO					0.91
95.000	0.00	0.03	0.031	IO					0.90
95.083	0.00	0.03	0.031	IO					0.90
95.167	0.00	0.03	0.031	IO					0.89
95.250	0.00	0.03	0.031	IO					0.89
95.333	0.00	0.03	0.031	O					0.88
95.417	0.00	0.03	0.031	O					0.88
95.500	0.00	0.02	0.030	O					0.87
95.583	0.00	0.02	0.030	O					0.87
95.667	0.00	0.02	0.030	O					0.86
95.750	0.00	0.02	0.030	O					0.86
95.833	0.00	0.02	0.030	O					0.86
95.917	0.00	0.02	0.030	O					0.85
96.000	0.00	0.02	0.029	O					0.85
96.083	0.00	0.02	0.029	O					0.84
96.167	0.00	0.02	0.029	O					0.84
96.250	0.00	0.02	0.029	O					0.83
96.333	0.00	0.02	0.029	O					0.83
96.417	0.00	0.02	0.029	O					0.82
96.500	0.00	0.02	0.028	O					0.82
96.583	0.00	0.02	0.028	O					0.81
96.667	0.00	0.02	0.028	O					0.81
96.750	0.00	0.02	0.028	O					0.81
96.833	0.00	0.02	0.028	O					0.80
96.917	0.00	0.02	0.028	O					0.80
97.000	0.00	0.02	0.027	O					0.79
97.083	0.00	0.02	0.027	O					0.79
97.167	0.00	0.02	0.027	O					0.78
97.250	0.00	0.02	0.027	O					0.78
97.333	0.00	0.02	0.027	O					0.78
97.417	0.00	0.02	0.027	O					0.77
97.500	0.00	0.02	0.026	O					0.77
97.583	0.00	0.02	0.026	O					0.76
97.667	0.00	0.02	0.026	O					0.76

97.750	0.00	0.02	0.026	0					0.75
97.833	0.00	0.02	0.026	0					0.75
97.917	0.00	0.02	0.026	0					0.75
98.000	0.00	0.02	0.026	0					0.74
98.083	0.00	0.02	0.025	0					0.74
98.167	0.00	0.02	0.025	0					0.73
98.250	0.00	0.02	0.025	0					0.73
98.333	0.00	0.02	0.025	0					0.73
98.417	0.00	0.02	0.025	0					0.72
98.500	0.00	0.02	0.025	0					0.72
98.583	0.00	0.02	0.025	0					0.71
98.667	0.00	0.02	0.024	0					0.71
98.750	0.00	0.02	0.024	0					0.71
98.833	0.00	0.02	0.024	0					0.70
98.917	0.00	0.02	0.024	0					0.70
99.000	0.00	0.02	0.024	0					0.69
99.083	0.00	0.02	0.024	0					0.69
99.167	0.00	0.02	0.024	0					0.69
99.250	0.00	0.02	0.023	0					0.68
99.333	0.00	0.02	0.023	0					0.68
99.417	0.00	0.02	0.023	0					0.68
99.500	0.00	0.02	0.023	0					0.67
99.583	0.00	0.02	0.023	0					0.67
99.667	0.00	0.02	0.023	0					0.66
99.750	0.00	0.02	0.023	0					0.66
99.833	0.00	0.02	0.022	0					0.66
99.917	0.00	0.02	0.022	0					0.65
100.000	0.00	0.02	0.022	0					0.65
100.083	0.00	0.02	0.022	0					0.65
100.167	0.00	0.02	0.022	0					0.64
100.250	0.00	0.02	0.022	0					0.64
100.333	0.00	0.02	0.022	0					0.64
100.417	0.00	0.02	0.021	0					0.63
100.500	0.00	0.02	0.021	0					0.63
100.583	0.00	0.02	0.021	0					0.62
100.667	0.00	0.02	0.021	0					0.62
100.750	0.00	0.02	0.021	0					0.62
100.833	0.00	0.02	0.021	0					0.61
100.917	0.00	0.02	0.021	0					0.61
101.000	0.00	0.02	0.021	0					0.61
101.083	0.00	0.02	0.020	0					0.60
101.167	0.00	0.02	0.020	0					0.60
101.250	0.00	0.02	0.020	0					0.60
101.333	0.00	0.02	0.020	0					0.59
101.417	0.00	0.02	0.020	0					0.59
101.500	0.00	0.02	0.020	0					0.59
101.583	0.00	0.02	0.020	0					0.58
101.667	0.00	0.02	0.020	0					0.58
101.750	0.00	0.02	0.019	0					0.58
101.833	0.00	0.02	0.019	0					0.57

101.917	0.00	0.02	0.019	0					0.57
102.000	0.00	0.02	0.019	0					0.57
102.083	0.00	0.02	0.019	0					0.56
102.167	0.00	0.02	0.019	0					0.56
102.250	0.00	0.02	0.019	0					0.56
102.333	0.00	0.02	0.019	0					0.55
102.417	0.00	0.02	0.019	0					0.55
102.500	0.00	0.02	0.018	0					0.55
102.583	0.00	0.02	0.018	0					0.54
102.667	0.00	0.02	0.018	0					0.54
102.750	0.00	0.02	0.018	0					0.54
102.833	0.00	0.02	0.018	0					0.53
102.917	0.00	0.02	0.018	0					0.53
103.000	0.00	0.02	0.018	0					0.53
103.083	0.00	0.02	0.018	0					0.53
103.167	0.00	0.02	0.017	0					0.52
103.250	0.00	0.02	0.017	0					0.52
103.333	0.00	0.02	0.017	0					0.52
103.417	0.00	0.02	0.017	0					0.51
103.500	0.00	0.02	0.017	0					0.51
103.583	0.00	0.02	0.017	0					0.51
103.667	0.00	0.02	0.017	0					0.50
103.750	0.00	0.02	0.017	0					0.50
103.833	0.00	0.02	0.017	0					0.50
103.917	0.00	0.02	0.017	0					0.50
104.000	0.00	0.02	0.016	0					0.49
104.083	0.00	0.02	0.016	0					0.49
104.167	0.00	0.02	0.016	0					0.49
104.250	0.00	0.02	0.016	0					0.48
104.333	0.00	0.02	0.016	0					0.48
104.417	0.00	0.02	0.016	0					0.48
104.500	0.00	0.02	0.016	0					0.48
104.583	0.00	0.02	0.016	0					0.47
104.667	0.00	0.02	0.016	0					0.47
104.750	0.00	0.01	0.015	0					0.47
104.833	0.00	0.01	0.015	0					0.46
104.917	0.00	0.01	0.015	0					0.46
105.000	0.00	0.01	0.015	0					0.46
105.083	0.00	0.01	0.015	0					0.46
105.167	0.00	0.01	0.015	0					0.45
105.250	0.00	0.01	0.015	0					0.45
105.333	0.00	0.01	0.015	0					0.45
105.417	0.00	0.01	0.015	0					0.44
105.500	0.00	0.01	0.015	0					0.44
105.583	0.00	0.01	0.014	0					0.44
105.667	0.00	0.01	0.014	0					0.44
105.750	0.00	0.01	0.014	0					0.43
105.833	0.00	0.01	0.014	0					0.43
105.917	0.00	0.01	0.014	0					0.43
106.000	0.00	0.01	0.014	0					0.43

106.083	0.00	0.01	0.014	0					0.42
106.167	0.00	0.01	0.014	0					0.42
106.250	0.00	0.01	0.014	0					0.42
106.333	0.00	0.01	0.014	0					0.42
106.417	0.00	0.01	0.013	0					0.41
106.500	0.00	0.01	0.013	0					0.41
106.583	0.00	0.01	0.013	0					0.41
106.667	0.00	0.01	0.013	0					0.41
106.750	0.00	0.01	0.013	0					0.40
106.833	0.00	0.01	0.013	0					0.40
106.917	0.00	0.01	0.013	0					0.40
107.000	0.00	0.01	0.013	0					0.40
107.083	0.00	0.01	0.013	0					0.39
107.167	0.00	0.01	0.013	0					0.39
107.250	0.00	0.01	0.013	0					0.39
107.333	0.00	0.01	0.012	0					0.39
107.417	0.00	0.01	0.012	0					0.38
107.500	0.00	0.01	0.012	0					0.38
107.583	0.00	0.01	0.012	0					0.38
107.667	0.00	0.01	0.012	0					0.38
107.750	0.00	0.01	0.012	0					0.37
107.833	0.00	0.01	0.012	0					0.37
107.917	0.00	0.01	0.012	0					0.37
108.000	0.00	0.01	0.012	0					0.37
108.083	0.00	0.01	0.012	0					0.36
108.167	0.00	0.01	0.012	0					0.36
108.250	0.00	0.01	0.012	0					0.36
108.333	0.00	0.01	0.011	0					0.36
108.417	0.00	0.01	0.011	0					0.35
108.500	0.00	0.01	0.011	0					0.35
108.583	0.00	0.01	0.011	0					0.35
108.667	0.00	0.01	0.011	0					0.35
108.750	0.00	0.01	0.011	0					0.35
108.833	0.00	0.01	0.011	0					0.34
108.917	0.00	0.01	0.011	0					0.34
109.000	0.00	0.01	0.011	0					0.34
109.083	0.00	0.01	0.011	0					0.34
109.167	0.00	0.01	0.011	0					0.33
109.250	0.00	0.01	0.011	0					0.33
109.333	0.00	0.01	0.010	0					0.33
109.417	0.00	0.01	0.010	0					0.33
109.500	0.00	0.01	0.010	0					0.33
109.583	0.00	0.01	0.010	0					0.32
109.667	0.00	0.01	0.010	0					0.32
109.750	0.00	0.01	0.010	0					0.32
109.833	0.00	0.01	0.010	0					0.32
109.917	0.00	0.01	0.010	0					0.32
110.000	0.00	0.01	0.010	0					0.31
110.083	0.00	0.01	0.010	0					0.31
110.167	0.00	0.01	0.010	0					0.31

110.250	0.00	0.01	0.010	0					0.31
110.333	0.00	0.01	0.010	0					0.30
110.417	0.00	0.01	0.009	0					0.30
110.500	0.00	0.01	0.009	0					0.30
110.583	0.00	0.01	0.009	0					0.30
110.667	0.00	0.01	0.009	0					0.30
110.750	0.00	0.01	0.009	0					0.29
110.833	0.00	0.01	0.009	0					0.29
110.917	0.00	0.01	0.009	0					0.29
111.000	0.00	0.01	0.009	0					0.29
111.083	0.00	0.01	0.009	0					0.29
111.167	0.00	0.01	0.009	0					0.28
111.250	0.00	0.01	0.009	0					0.28
111.333	0.00	0.01	0.009	0					0.28
111.417	0.00	0.01	0.009	0					0.28
111.500	0.00	0.01	0.008	0					0.28
111.583	0.00	0.01	0.008	0					0.27
111.667	0.00	0.01	0.008	0					0.27
111.750	0.00	0.01	0.008	0					0.27
111.833	0.00	0.01	0.008	0					0.27
111.917	0.00	0.01	0.008	0					0.27
112.000	0.00	0.01	0.008	0					0.27
112.083	0.00	0.01	0.008	0					0.26
112.167	0.00	0.01	0.008	0					0.26
112.250	0.00	0.01	0.008	0					0.26
112.333	0.00	0.01	0.008	0					0.26
112.417	0.00	0.01	0.008	0					0.26
112.500	0.00	0.01	0.008	0					0.25
112.583	0.00	0.01	0.008	0					0.25
112.667	0.00	0.01	0.008	0					0.25
112.750	0.00	0.01	0.007	0					0.25
112.833	0.00	0.01	0.007	0					0.25
112.917	0.00	0.01	0.007	0					0.24
113.000	0.00	0.01	0.007	0					0.24
113.083	0.00	0.01	0.007	0					0.24
113.167	0.00	0.01	0.007	0					0.24
113.250	0.00	0.01	0.007	0					0.24
113.333	0.00	0.01	0.007	0					0.24
113.417	0.00	0.01	0.007	0					0.23
113.500	0.00	0.01	0.007	0					0.23
113.583	0.00	0.01	0.007	0					0.23
113.667	0.00	0.01	0.007	0					0.23
113.750	0.00	0.01	0.007	0					0.23
113.833	0.00	0.01	0.007	0					0.23
113.917	0.00	0.01	0.007	0					0.22
114.000	0.00	0.01	0.006	0					0.22
114.083	0.00	0.01	0.006	0					0.22
114.167	0.00	0.01	0.006	0					0.22
114.250	0.00	0.01	0.006	0					0.22
114.333	0.00	0.01	0.006	0					0.22

114.417	0.00	0.01	0.006	0					0.21
114.500	0.00	0.01	0.006	0					0.21
114.583	0.00	0.01	0.006	0					0.21
114.667	0.00	0.01	0.006	0					0.21
114.750	0.00	0.01	0.006	0					0.21
114.833	0.00	0.01	0.006	0					0.21
114.917	0.00	0.01	0.006	0					0.20
115.000	0.00	0.01	0.006	0					0.20
115.083	0.00	0.01	0.006	0					0.20
115.167	0.00	0.01	0.006	0					0.20
115.250	0.00	0.01	0.006	0					0.20
115.333	0.00	0.01	0.006	0					0.20
115.417	0.00	0.01	0.005	0					0.19
115.500	0.00	0.01	0.005	0					0.19
115.583	0.00	0.01	0.005	0					0.19
115.667	0.00	0.01	0.005	0					0.19
115.750	0.00	0.01	0.005	0					0.19
115.833	0.00	0.01	0.005	0					0.19
115.917	0.00	0.01	0.005	0					0.19
116.000	0.00	0.01	0.005	0					0.18
116.083	0.00	0.01	0.005	0					0.18
116.167	0.00	0.01	0.005	0					0.18
116.250	0.00	0.01	0.005	0					0.18
116.333	0.00	0.01	0.005	0					0.18
116.417	0.00	0.01	0.005	0					0.18
116.500	0.00	0.01	0.005	0					0.17
116.583	0.00	0.01	0.005	0					0.17
116.667	0.00	0.01	0.005	0					0.17
116.750	0.00	0.01	0.005	0					0.17
116.833	0.00	0.01	0.005	0					0.17
116.917	0.00	0.01	0.004	0					0.17
117.000	0.00	0.01	0.004	0					0.17
117.083	0.00	0.01	0.004	0					0.16
117.167	0.00	0.01	0.004	0					0.16
117.250	0.00	0.01	0.004	0					0.16
117.333	0.00	0.01	0.004	0					0.16
117.417	0.00	0.01	0.004	0					0.16
117.500	0.00	0.01	0.004	0					0.16
117.583	0.00	0.01	0.004	0					0.16
117.667	0.00	0.01	0.004	0					0.16
117.750	0.00	0.01	0.004	0					0.15
117.833	0.00	0.01	0.004	0					0.15
117.917	0.00	0.01	0.004	0					0.15
118.000	0.00	0.01	0.004	0					0.15
118.083	0.00	0.01	0.004	0					0.15
118.167	0.00	0.01	0.004	0					0.15
118.250	0.00	0.01	0.004	0					0.15
118.333	0.00	0.01	0.004	0					0.14
118.417	0.00	0.01	0.004	0					0.14
118.500	0.00	0.01	0.004	0					0.14

118.583	0.00	0.01	0.003	0					0.14
118.667	0.00	0.01	0.003	0					0.14
118.750	0.00	0.01	0.003	0					0.14
118.833	0.00	0.01	0.003	0					0.14
118.917	0.00	0.01	0.003	0					0.14
119.000	0.00	0.01	0.003	0					0.13
119.083	0.00	0.01	0.003	0					0.13
119.167	0.00	0.01	0.003	0					0.13
119.250	0.00	0.01	0.003	0					0.13
119.333	0.00	0.01	0.003	0					0.13
119.417	0.00	0.01	0.003	0					0.13
119.500	0.00	0.01	0.003	0					0.13
119.583	0.00	0.01	0.003	0					0.12
119.667	0.00	0.01	0.003	0					0.12
119.750	0.00	0.01	0.003	0					0.12
119.833	0.00	0.01	0.003	0					0.12
119.917	0.00	0.01	0.003	0					0.12
120.000	0.00	0.01	0.003	0					0.12
120.083	0.00	0.01	0.003	0					0.12
120.167	0.00	0.01	0.003	0					0.12
120.250	0.00	0.01	0.003	0					0.12
120.333	0.00	0.01	0.003	0					0.11
120.417	0.00	0.01	0.002	0					0.11
120.500	0.00	0.01	0.002	0					0.11
120.583	0.00	0.01	0.002	0					0.11
120.667	0.00	0.01	0.002	0					0.11
120.750	0.00	0.01	0.002	0					0.11
120.833	0.00	0.01	0.002	0					0.11
120.917	0.00	0.01	0.002	0					0.11
121.000	0.00	0.01	0.002	0					0.10
121.083	0.00	0.01	0.002	0					0.10
121.167	0.00	0.01	0.002	0					0.10
121.250	0.00	0.01	0.002	0					0.10
121.333	0.00	0.01	0.002	0					0.10
121.417	0.00	0.01	0.002	0					0.10
121.500	0.00	0.01	0.002	0					0.10
121.583	0.00	0.01	0.002	0					0.09
121.667	0.00	0.01	0.002	0					0.09
121.750	0.00	0.01	0.002	0					0.09
121.833	0.00	0.01	0.002	0					0.09
121.917	0.00	0.01	0.002	0					0.09
122.000	0.00	0.01	0.002	0					0.08
122.083	0.00	0.00	0.002	0					0.08
122.167	0.00	0.00	0.002	0					0.08
122.250	0.00	0.00	0.002	0					0.08
122.333	0.00	0.00	0.002	0					0.08
122.417	0.00	0.00	0.002	0					0.08
122.500	0.00	0.00	0.001	0					0.07
122.583	0.00	0.00	0.001	0					0.07
122.667	0.00	0.00	0.001	0					0.07

122.750	0.00	0.00	0.001	0					0.07
122.833	0.00	0.00	0.001	0					0.07
122.917	0.00	0.00	0.001	0					0.07
123.000	0.00	0.00	0.001	0					0.07
123.083	0.00	0.00	0.001	0					0.06
123.167	0.00	0.00	0.001	0					0.06
123.250	0.00	0.00	0.001	0					0.06
123.333	0.00	0.00	0.001	0					0.06
123.417	0.00	0.00	0.001	0					0.06
123.500	0.00	0.00	0.001	0					0.06
123.583	0.00	0.00	0.001	0					0.06
123.667	0.00	0.00	0.001	0					0.06
123.750	0.00	0.00	0.001	0					0.05
123.833	0.00	0.00	0.001	0					0.05
123.917	0.00	0.00	0.001	0					0.05
124.000	0.00	0.00	0.001	0					0.05
124.083	0.00	0.00	0.001	0					0.05
124.167	0.00	0.00	0.001	0					0.05
124.250	0.00	0.00	0.001	0					0.05
124.333	0.00	0.00	0.001	0					0.05
124.417	0.00	0.00	0.001	0					0.05
124.500	0.00	0.00	0.001	0					0.05
124.583	0.00	0.00	0.001	0					0.04
124.667	0.00	0.00	0.001	0					0.04
124.750	0.00	0.00	0.001	0					0.04
124.833	0.00	0.00	0.001	0					0.04
124.917	0.00	0.00	0.001	0					0.04
125.000	0.00	0.00	0.001	0					0.04
125.083	0.00	0.00	0.001	0					0.04
125.167	0.00	0.00	0.001	0					0.04
125.250	0.00	0.00	0.001	0					0.04
125.333	0.00	0.00	0.001	0					0.04
125.417	0.00	0.00	0.001	0					0.04
125.500	0.00	0.00	0.001	0					0.04
125.583	0.00	0.00	0.001	0					0.03
125.667	0.00	0.00	0.001	0					0.03
125.750	0.00	0.00	0.001	0					0.03
125.833	0.00	0.00	0.001	0					0.03
125.917	0.00	0.00	0.001	0					0.03
126.000	0.00	0.00	0.001	0					0.03
126.083	0.00	0.00	0.001	0					0.03
126.167	0.00	0.00	0.001	0					0.03
126.250	0.00	0.00	0.001	0					0.03
126.333	0.00	0.00	0.001	0					0.03
126.417	0.00	0.00	0.001	0					0.03
126.500	0.00	0.00	0.001	0					0.03
126.583	0.00	0.00	0.001	0					0.03
126.667	0.00	0.00	0.001	0					0.03
126.750	0.00	0.00	0.001	0					0.03
126.833	0.00	0.00	0.001	0					0.03

126.917	0.00	0.00	0.001	0					0.03
127.000	0.00	0.00	0.000	0					0.02
127.083	0.00	0.00	0.000	0					0.02
127.167	0.00	0.00	0.000	0					0.02
127.250	0.00	0.00	0.000	0					0.02
127.333	0.00	0.00	0.000	0					0.02
127.417	0.00	0.00	0.000	0					0.02
127.500	0.00	0.00	0.000	0					0.02
127.583	0.00	0.00	0.000	0					0.02
127.667	0.00	0.00	0.000	0					0.02
127.750	0.00	0.00	0.000	0					0.02
127.833	0.00	0.00	0.000	0					0.02
127.917	0.00	0.00	0.000	0					0.02
128.000	0.00	0.00	0.000	0					0.02
128.083	0.00	0.00	0.000	0					0.02
128.167	0.00	0.00	0.000	0					0.02
128.250	0.00	0.00	0.000	0					0.02
128.333	0.00	0.00	0.000	0					0.02
128.417	0.00	0.00	0.000	0					0.02
128.500	0.00	0.00	0.000	0					0.02
128.583	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1543

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.376 (CFS)

Total volume = 0.464 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
10 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da4610.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.469 (CFS)
Total volume = 0.280 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.6	1.23	1.85	2.47	Depth (Ft.)
0.083	0.12	0.00	0.000	OI					0.02
0.167	0.21	0.00	0.002	O I					0.08
0.250	0.23	0.01	0.003	O I					0.13
0.333	0.23	0.01	0.005	O I					0.17
0.417	0.23	0.01	0.006	O I					0.21
0.500	0.25	0.01	0.008	O I					0.25
0.583	0.27	0.01	0.009	O I					0.30
0.667	0.27	0.01	0.011	O I					0.35
0.750	0.27	0.01	0.013	O I					0.40
0.833	0.27	0.01	0.015	O I					0.45
0.917	0.27	0.02	0.016	O I					0.49
1.000	0.29	0.02	0.018	O I					0.54
1.083	0.31	0.02	0.020	O I					0.60
1.167	0.31	0.02	0.022	O I					0.65
1.250	0.31	0.02	0.024	O I					0.70
1.333	0.31	0.02	0.026	O I					0.76
1.417	0.31	0.02	0.028	O I					0.81
1.500	0.31	0.02	0.030	O I					0.86
1.583	0.31	0.03	0.032	O I					0.92
1.667	0.31	0.03	0.034	O I					0.97
1.750	0.31	0.03	0.036	O I					1.01
1.833	0.31	0.03	0.038	O I					1.05

1.917	0.31	0.03	0.040	0	I						1.08
2.000	0.33	0.03	0.042	0	I						1.12
2.083	0.32	0.03	0.044	0	I						1.15
2.167	0.33	0.03	0.046	0	I						1.19
2.250	0.34	0.03	0.048	0	I						1.23
2.333	0.35	0.03	0.050	0	I						1.26
2.417	0.35	0.03	0.052	0	I						1.30
2.500	0.35	0.03	0.054	0	I						1.34
2.583	0.35	0.03	0.056	0	I						1.38
2.667	0.35	0.03	0.059	0	I						1.41
2.750	0.37	0.03	0.061	0	I						1.45
2.833	0.38	0.03	0.063	0	I						1.50
2.917	0.38	0.03	0.066	0	I						1.54
3.000	0.38	0.03	0.068	0	I						1.58
3.083	0.38	0.03	0.070	0	I						1.62
3.167	0.41	0.04	0.073	0	I						1.67
3.250	0.42	0.04	0.076	0	I						1.71
3.333	0.42	0.04	0.078	0	I						1.76
3.417	0.45	0.04	0.081	0	I						1.81
3.500	0.48	0.04	0.084	0	I						1.86
3.583	0.52	0.04	0.087	0	I						1.91
3.667	0.54	0.04	0.090	0	I						1.97
3.750	0.56	0.04	0.094	0	I						2.03
3.833	0.57	0.04	0.098	0	I						2.08
3.917	0.60	0.04	0.101	0	I						2.14
4.000	0.61	0.04	0.105	0	I						2.20
4.083	0.64	0.04	0.109	0	I						2.25
4.167	0.68	0.04	0.114	0	I						2.32
4.250	0.71	0.04	0.118	0	I						2.38
4.333	0.76	0.04	0.123	0	I						2.45
4.417	0.81	0.04	0.128	0	I						2.53
4.500	0.83	0.04	0.133	0	I						2.61
4.583	0.86	0.05	0.139	0	I						2.69
4.667	0.91	0.05	0.145	0	I						2.77
4.750	0.97	0.05	0.151	0	I						2.86
4.833	0.99	0.05	0.157	0	I						2.96
4.917	1.02	0.05	0.164	0	I						3.05
5.000	1.07	0.05	0.171	0	I						3.15
5.083	1.25	0.05	0.178	0	I						3.26
5.167	1.51	0.05	0.187	0	I						3.39
5.250	1.70	0.05	0.198	0	I						3.54
5.333	1.86	0.05	0.210	0	I						3.71
5.417	2.08	0.06	0.223	0	I						3.90
5.500	2.47	0.06	0.238	0	I						4.12
5.583	1.40	0.06	0.251	0	I						4.31
5.667	0.54	0.06	0.258	0	I						4.40
5.750	0.28	0.06	0.260	0	I						4.43
5.833	0.21	0.06	0.261	0	I						4.45
5.917	0.14	0.06	0.262	0	I						4.46
6.000	0.09	0.06	0.263	0	I						4.47

6.083	0.03	0.06	0.263	0					4.47
6.167	0.00	0.06	0.262	0					4.46
6.250	0.00	0.06	0.262	0					4.46
6.333	0.00	0.06	0.262	0					4.45
6.417	0.00	0.06	0.261	0					4.44
6.500	0.00	0.06	0.261	0					4.44
6.583	0.00	0.06	0.260	0					4.43
6.667	0.00	0.06	0.260	0					4.43
6.750	0.00	0.06	0.259	0					4.42
6.833	0.00	0.06	0.259	0					4.42
6.917	0.00	0.06	0.259	0					4.41
7.000	0.00	0.06	0.258	0					4.40
7.083	0.00	0.06	0.258	0					4.40
7.167	0.00	0.06	0.257	0					4.39
7.250	0.00	0.06	0.257	0					4.39
7.333	0.00	0.06	0.257	0					4.38
7.417	0.00	0.06	0.256	0					4.37
7.500	0.00	0.06	0.256	0					4.37
7.583	0.00	0.06	0.255	0					4.36
7.667	0.00	0.06	0.255	0					4.36
7.750	0.00	0.06	0.255	0					4.35
7.833	0.00	0.06	0.254	0					4.35
7.917	0.00	0.06	0.254	0					4.34
8.000	0.00	0.06	0.253	0					4.33
8.083	0.00	0.06	0.253	0					4.33
8.167	0.00	0.06	0.253	0					4.32
8.250	0.00	0.06	0.252	0					4.32
8.333	0.00	0.06	0.252	0					4.31
8.417	0.00	0.06	0.251	0					4.31
8.500	0.00	0.06	0.251	0					4.30
8.583	0.00	0.06	0.251	0					4.29
8.667	0.00	0.06	0.250	0					4.29
8.750	0.00	0.06	0.250	0					4.28
8.833	0.00	0.06	0.249	0					4.28
8.917	0.00	0.06	0.249	0					4.27
9.000	0.00	0.06	0.249	0					4.27
9.083	0.00	0.06	0.248	0					4.26
9.167	0.00	0.06	0.248	0					4.25
9.250	0.00	0.06	0.247	0					4.25
9.333	0.00	0.06	0.247	0					4.24
9.417	0.00	0.06	0.247	0					4.24
9.500	0.00	0.06	0.246	0					4.23
9.583	0.00	0.06	0.246	0					4.23
9.667	0.00	0.06	0.245	0					4.22
9.750	0.00	0.06	0.245	0					4.21
9.833	0.00	0.06	0.245	0					4.21
9.917	0.00	0.06	0.244	0					4.20
10.000	0.00	0.06	0.244	0					4.20
10.083	0.00	0.06	0.243	0					4.19
10.167	0.00	0.06	0.243	0					4.19

10.250	0.00	0.06	0.243	0					4.18
10.333	0.00	0.06	0.242	0					4.17
10.417	0.00	0.06	0.242	0					4.17
10.500	0.00	0.06	0.241	0					4.16
10.583	0.00	0.06	0.241	0					4.16
10.667	0.00	0.06	0.241	0					4.15
10.750	0.00	0.06	0.240	0					4.15
10.833	0.00	0.06	0.240	0					4.14
10.917	0.00	0.06	0.239	0					4.13
11.000	0.00	0.06	0.239	0					4.13
11.083	0.00	0.06	0.239	0					4.12
11.167	0.00	0.06	0.238	0					4.12
11.250	0.00	0.06	0.238	0					4.11
11.333	0.00	0.06	0.237	0					4.11
11.417	0.00	0.06	0.237	0					4.10
11.500	0.00	0.06	0.237	0					4.10
11.583	0.00	0.06	0.236	0					4.09
11.667	0.00	0.06	0.236	0					4.08
11.750	0.00	0.06	0.236	0					4.08
11.833	0.00	0.06	0.235	0					4.07
11.917	0.00	0.06	0.235	0					4.07
12.000	0.00	0.06	0.234	0					4.06
12.083	0.00	0.06	0.234	0					4.06
12.167	0.00	0.06	0.234	0					4.05
12.250	0.00	0.06	0.233	0					4.05
12.333	0.00	0.06	0.233	0					4.04
12.417	0.00	0.06	0.232	0					4.03
12.500	0.00	0.06	0.232	0					4.03
12.583	0.00	0.06	0.232	0					4.02
12.667	0.00	0.06	0.231	0					4.02
12.750	0.00	0.06	0.231	0					4.01
12.833	0.00	0.06	0.230	0					4.01
12.917	0.00	0.06	0.230	0					4.00
13.000	0.00	0.06	0.230	0					4.00
13.083	0.00	0.06	0.229	0					3.99
13.167	0.00	0.06	0.229	0					3.98
13.250	0.00	0.06	0.229	0					3.98
13.333	0.00	0.06	0.228	0					3.97
13.417	0.00	0.06	0.228	0					3.97
13.500	0.00	0.06	0.227	0					3.96
13.583	0.00	0.06	0.227	0					3.96
13.667	0.00	0.06	0.227	0					3.95
13.750	0.00	0.06	0.226	0					3.95
13.833	0.00	0.06	0.226	0					3.94
13.917	0.00	0.06	0.225	0					3.94
14.000	0.00	0.06	0.225	0					3.93
14.083	0.00	0.06	0.225	0					3.92
14.167	0.00	0.06	0.224	0					3.92
14.250	0.00	0.06	0.224	0					3.91
14.333	0.00	0.06	0.224	0					3.91

14.417	0.00	0.06	0.223	0					3.90
14.500	0.00	0.06	0.223	0					3.90
14.583	0.00	0.06	0.222	0					3.89
14.667	0.00	0.06	0.222	0					3.89
14.750	0.00	0.06	0.222	0					3.88
14.833	0.00	0.06	0.221	0					3.88
14.917	0.00	0.05	0.221	0					3.87
15.000	0.00	0.05	0.221	0					3.86
15.083	0.00	0.05	0.220	0					3.86
15.167	0.00	0.05	0.220	0					3.85
15.250	0.00	0.05	0.219	0					3.85
15.333	0.00	0.05	0.219	0					3.84
15.417	0.00	0.05	0.219	0					3.84
15.500	0.00	0.05	0.218	0					3.83
15.583	0.00	0.05	0.218	0					3.83
15.667	0.00	0.05	0.218	0					3.82
15.750	0.00	0.05	0.217	0					3.82
15.833	0.00	0.05	0.217	0					3.81
15.917	0.00	0.05	0.216	0					3.81
16.000	0.00	0.05	0.216	0					3.80
16.083	0.00	0.05	0.216	0					3.80
16.167	0.00	0.05	0.215	0					3.79
16.250	0.00	0.05	0.215	0					3.78
16.333	0.00	0.05	0.215	0					3.78
16.417	0.00	0.05	0.214	0					3.77
16.500	0.00	0.05	0.214	0					3.77
16.583	0.00	0.05	0.213	0					3.76
16.667	0.00	0.05	0.213	0					3.76
16.750	0.00	0.05	0.213	0					3.75
16.833	0.00	0.05	0.212	0					3.75
16.917	0.00	0.05	0.212	0					3.74
17.000	0.00	0.05	0.212	0					3.74
17.083	0.00	0.05	0.211	0					3.73
17.167	0.00	0.05	0.211	0					3.73
17.250	0.00	0.05	0.210	0					3.72
17.333	0.00	0.05	0.210	0					3.72
17.417	0.00	0.05	0.210	0					3.71
17.500	0.00	0.05	0.209	0					3.70
17.583	0.00	0.05	0.209	0					3.70
17.667	0.00	0.05	0.209	0					3.69
17.750	0.00	0.05	0.208	0					3.69
17.833	0.00	0.05	0.208	0					3.68
17.917	0.00	0.05	0.207	0					3.68
18.000	0.00	0.05	0.207	0					3.67
18.083	0.00	0.05	0.207	0					3.67
18.167	0.00	0.05	0.206	0					3.66
18.250	0.00	0.05	0.206	0					3.66
18.333	0.00	0.05	0.206	0					3.65
18.417	0.00	0.05	0.205	0					3.65
18.500	0.00	0.05	0.205	0					3.64

18.583	0.00	0.05	0.205	0					3.64
18.667	0.00	0.05	0.204	0					3.63
18.750	0.00	0.05	0.204	0					3.63
18.833	0.00	0.05	0.203	0					3.62
18.917	0.00	0.05	0.203	0					3.62
19.000	0.00	0.05	0.203	0					3.61
19.083	0.00	0.05	0.202	0					3.61
19.167	0.00	0.05	0.202	0					3.60
19.250	0.00	0.05	0.202	0					3.59
19.333	0.00	0.05	0.201	0					3.59
19.417	0.00	0.05	0.201	0					3.58
19.500	0.00	0.05	0.201	0					3.58
19.583	0.00	0.05	0.200	0					3.57
19.667	0.00	0.05	0.200	0					3.57
19.750	0.00	0.05	0.199	0					3.56
19.833	0.00	0.05	0.199	0					3.56
19.917	0.00	0.05	0.199	0					3.55
20.000	0.00	0.05	0.198	0					3.55
20.083	0.00	0.05	0.198	0					3.54
20.167	0.00	0.05	0.198	0					3.54
20.250	0.00	0.05	0.197	0					3.53
20.333	0.00	0.05	0.197	0					3.53
20.417	0.00	0.05	0.197	0					3.52
20.500	0.00	0.05	0.196	0					3.52
20.583	0.00	0.05	0.196	0					3.51
20.667	0.00	0.05	0.196	0					3.51
20.750	0.00	0.05	0.195	0					3.50
20.833	0.00	0.05	0.195	0					3.50
20.917	0.00	0.05	0.194	0					3.49
21.000	0.00	0.05	0.194	0					3.49
21.083	0.00	0.05	0.194	0					3.48
21.167	0.00	0.05	0.193	0					3.48
21.250	0.00	0.05	0.193	0					3.47
21.333	0.00	0.05	0.193	0					3.47
21.417	0.00	0.05	0.192	0					3.46
21.500	0.00	0.05	0.192	0					3.46
21.583	0.00	0.05	0.192	0					3.45
21.667	0.00	0.05	0.191	0					3.45
21.750	0.00	0.05	0.191	0					3.44
21.833	0.00	0.05	0.191	0					3.44
21.917	0.00	0.05	0.190	0					3.43
22.000	0.00	0.05	0.190	0					3.43
22.083	0.00	0.05	0.189	0					3.42
22.167	0.00	0.05	0.189	0					3.42
22.250	0.00	0.05	0.189	0					3.41
22.333	0.00	0.05	0.188	0					3.41
22.417	0.00	0.05	0.188	0					3.40
22.500	0.00	0.05	0.188	0					3.40
22.583	0.00	0.05	0.187	0					3.39
22.667	0.00	0.05	0.187	0					3.39

22.750	0.00	0.05	0.187	0					3.38
22.833	0.00	0.05	0.186	0					3.38
22.917	0.00	0.05	0.186	0					3.37
23.000	0.00	0.05	0.186	0					3.37
23.083	0.00	0.05	0.185	0					3.36
23.167	0.00	0.05	0.185	0					3.36
23.250	0.00	0.05	0.185	0					3.35
23.333	0.00	0.05	0.184	0					3.35
23.417	0.00	0.05	0.184	0					3.34
23.500	0.00	0.05	0.183	0					3.34
23.583	0.00	0.05	0.183	0					3.33
23.667	0.00	0.05	0.183	0					3.33
23.750	0.00	0.05	0.182	0					3.32
23.833	0.00	0.05	0.182	0					3.32
23.917	0.00	0.05	0.182	0					3.31
24.000	0.00	0.05	0.181	0					3.31
24.083	0.00	0.05	0.181	0					3.30
24.167	0.00	0.05	0.181	0					3.30
24.250	0.00	0.05	0.180	0					3.29
24.333	0.00	0.05	0.180	0					3.29
24.417	0.00	0.05	0.180	0					3.28
24.500	0.00	0.05	0.179	0					3.28
24.583	0.00	0.05	0.179	0					3.27
24.667	0.00	0.05	0.179	0					3.27
24.750	0.00	0.05	0.178	0					3.26
24.833	0.00	0.05	0.178	0					3.26
24.917	0.00	0.05	0.178	0					3.25
25.000	0.00	0.05	0.177	0					3.25
25.083	0.00	0.05	0.177	0					3.24
25.167	0.00	0.05	0.177	0					3.24
25.250	0.00	0.05	0.176	0					3.23
25.333	0.00	0.05	0.176	0					3.23
25.417	0.00	0.05	0.176	0					3.22
25.500	0.00	0.05	0.175	0					3.22
25.583	0.00	0.05	0.175	0					3.21
25.667	0.00	0.05	0.174	0					3.21
25.750	0.00	0.05	0.174	0					3.20
25.833	0.00	0.05	0.174	0					3.20
25.917	0.00	0.05	0.173	0					3.19
26.000	0.00	0.05	0.173	0					3.19
26.083	0.00	0.05	0.173	0					3.18
26.167	0.00	0.05	0.172	0					3.18
26.250	0.00	0.05	0.172	0					3.17
26.333	0.00	0.05	0.172	0					3.17
26.417	0.00	0.05	0.171	0					3.16
26.500	0.00	0.05	0.171	0					3.16
26.583	0.00	0.05	0.171	0					3.15
26.667	0.00	0.05	0.170	0					3.15
26.750	0.00	0.05	0.170	0					3.14
26.833	0.00	0.05	0.170	0					3.14

26.917	0.00	0.05	0.169	0					3.13
27.000	0.00	0.05	0.169	0					3.13
27.083	0.00	0.05	0.169	0					3.12
27.167	0.00	0.05	0.168	0					3.12
27.250	0.00	0.05	0.168	0					3.11
27.333	0.00	0.05	0.168	0					3.11
27.417	0.00	0.05	0.167	0					3.11
27.500	0.00	0.05	0.167	0					3.10
27.583	0.00	0.05	0.167	0					3.10
27.667	0.00	0.05	0.166	0					3.09
27.750	0.00	0.05	0.166	0					3.09
27.833	0.00	0.05	0.166	0					3.08
27.917	0.00	0.05	0.165	0					3.08
28.000	0.00	0.05	0.165	0					3.07
28.083	0.00	0.05	0.165	0					3.07
28.167	0.00	0.05	0.164	0					3.06
28.250	0.00	0.05	0.164	0					3.06
28.333	0.00	0.05	0.164	0					3.05
28.417	0.00	0.05	0.163	0					3.05
28.500	0.00	0.05	0.163	0					3.04
28.583	0.00	0.05	0.163	0					3.04
28.667	0.00	0.05	0.162	0					3.03
28.750	0.00	0.05	0.162	0					3.03
28.833	0.00	0.05	0.162	0					3.02
28.917	0.00	0.05	0.161	0					3.02
29.000	0.00	0.05	0.161	0					3.01
29.083	0.00	0.05	0.161	0					3.01
29.167	0.00	0.05	0.160	0					3.01
29.250	0.00	0.05	0.160	0					3.00
29.333	0.00	0.05	0.160	0					3.00
29.417	0.00	0.05	0.159	0					2.99
29.500	0.00	0.05	0.159	0					2.99
29.583	0.00	0.05	0.159	0					2.98
29.667	0.00	0.05	0.158	0					2.98
29.750	0.00	0.05	0.158	0					2.97
29.833	0.00	0.05	0.158	0					2.97
29.917	0.00	0.05	0.157	0					2.96
30.000	0.00	0.05	0.157	0					2.96
30.083	0.00	0.05	0.157	0					2.95
30.167	0.00	0.05	0.156	0					2.95
30.250	0.00	0.05	0.156	0					2.94
30.333	0.00	0.05	0.156	0					2.94
30.417	0.00	0.05	0.155	0					2.93
30.500	0.00	0.05	0.155	0					2.93
30.583	0.00	0.05	0.155	0					2.92
30.667	0.00	0.05	0.154	0					2.92
30.750	0.00	0.05	0.154	0					2.91
30.833	0.00	0.05	0.154	0					2.91
30.917	0.00	0.05	0.153	0					2.90
31.000	0.00	0.05	0.153	0					2.90

31.083	0.00	0.05	0.153	0					2.89
31.167	0.00	0.05	0.153	0					2.89
31.250	0.00	0.05	0.152	0					2.89
31.333	0.00	0.05	0.152	0					2.88
31.417	0.00	0.05	0.152	0					2.88
31.500	0.00	0.05	0.151	0					2.87
31.583	0.00	0.05	0.151	0					2.87
31.667	0.00	0.05	0.151	0					2.86
31.750	0.00	0.05	0.150	0					2.86
31.833	0.00	0.05	0.150	0					2.85
31.917	0.00	0.05	0.150	0					2.85
32.000	0.00	0.05	0.149	0					2.84
32.083	0.00	0.05	0.149	0					2.84
32.167	0.00	0.05	0.149	0					2.83
32.250	0.00	0.05	0.148	0					2.83
32.333	0.00	0.05	0.148	0					2.82
32.417	0.00	0.05	0.148	0					2.82
32.500	0.00	0.05	0.147	0					2.81
32.583	0.00	0.05	0.147	0					2.81
32.667	0.00	0.05	0.147	0					2.80
32.750	0.00	0.05	0.146	0					2.80
32.833	0.00	0.05	0.146	0					2.80
32.917	0.00	0.05	0.146	0					2.79
33.000	0.00	0.05	0.145	0					2.79
33.083	0.00	0.05	0.145	0					2.78
33.167	0.00	0.05	0.145	0					2.78
33.250	0.00	0.05	0.145	0					2.77
33.333	0.00	0.05	0.144	0					2.77
33.417	0.00	0.05	0.144	0					2.76
33.500	0.00	0.05	0.144	0					2.76
33.583	0.00	0.05	0.143	0					2.75
33.667	0.00	0.05	0.143	0					2.75
33.750	0.00	0.05	0.143	0					2.74
33.833	0.00	0.05	0.142	0					2.74
33.917	0.00	0.05	0.142	0					2.74
34.000	0.00	0.05	0.142	0					2.73
34.083	0.00	0.05	0.141	0					2.73
34.167	0.00	0.05	0.141	0					2.72
34.250	0.00	0.05	0.141	0					2.72
34.333	0.00	0.05	0.140	0					2.71
34.417	0.00	0.05	0.140	0					2.71
34.500	0.00	0.05	0.140	0					2.70
34.583	0.00	0.05	0.139	0					2.70
34.667	0.00	0.05	0.139	0					2.69
34.750	0.00	0.05	0.139	0					2.69
34.833	0.00	0.05	0.139	0					2.68
34.917	0.00	0.05	0.138	0					2.68
35.000	0.00	0.05	0.138	0					2.68
35.083	0.00	0.05	0.138	0					2.67
35.167	0.00	0.04	0.137	0					2.67

35.250	0.00	0.04	0.137	0					2.66
35.333	0.00	0.04	0.137	0					2.66
35.417	0.00	0.04	0.136	0					2.65
35.500	0.00	0.04	0.136	0					2.65
35.583	0.00	0.04	0.136	0					2.64
35.667	0.00	0.04	0.135	0					2.64
35.750	0.00	0.04	0.135	0					2.63
35.833	0.00	0.04	0.135	0					2.63
35.917	0.00	0.04	0.135	0					2.63
36.000	0.00	0.04	0.134	0					2.62
36.083	0.00	0.04	0.134	0					2.62
36.167	0.00	0.04	0.134	0					2.61
36.250	0.00	0.04	0.133	0					2.61
36.333	0.00	0.04	0.133	0					2.60
36.417	0.00	0.04	0.133	0					2.60
36.500	0.00	0.04	0.132	0					2.59
36.583	0.00	0.04	0.132	0					2.59
36.667	0.00	0.04	0.132	0					2.58
36.750	0.00	0.04	0.131	0					2.58
36.833	0.00	0.04	0.131	0					2.58
36.917	0.00	0.04	0.131	0					2.57
37.000	0.00	0.04	0.131	0					2.57
37.083	0.00	0.04	0.130	0					2.56
37.167	0.00	0.04	0.130	0					2.56
37.250	0.00	0.04	0.130	0					2.55
37.333	0.00	0.04	0.129	0					2.55
37.417	0.00	0.04	0.129	0					2.54
37.500	0.00	0.04	0.129	0					2.54
37.583	0.00	0.04	0.128	0					2.54
37.667	0.00	0.04	0.128	0					2.53
37.750	0.00	0.04	0.128	0					2.53
37.833	0.00	0.04	0.128	0					2.52
37.917	0.00	0.04	0.127	0					2.52
38.000	0.00	0.04	0.127	0					2.51
38.083	0.00	0.04	0.127	0					2.51
38.167	0.00	0.04	0.126	0					2.50
38.250	0.00	0.04	0.126	0					2.50
38.333	0.00	0.04	0.126	0					2.50
38.417	0.00	0.04	0.125	0					2.49
38.500	0.00	0.04	0.125	0					2.49
38.583	0.00	0.04	0.125	0					2.48
38.667	0.00	0.04	0.125	0					2.48
38.750	0.00	0.04	0.124	0					2.47
38.833	0.00	0.04	0.124	0					2.47
38.917	0.00	0.04	0.124	0					2.47
39.000	0.00	0.04	0.123	0					2.46
39.083	0.00	0.04	0.123	0					2.46
39.167	0.00	0.04	0.123	0					2.45
39.250	0.00	0.04	0.122	0					2.45
39.333	0.00	0.04	0.122	0					2.44

39.417	0.00	0.04	0.122	0					2.44
39.500	0.00	0.04	0.122	0					2.43
39.583	0.00	0.04	0.121	0					2.43
39.667	0.00	0.04	0.121	0					2.43
39.750	0.00	0.04	0.121	0					2.42
39.833	0.00	0.04	0.120	0					2.42
39.917	0.00	0.04	0.120	0					2.41
40.000	0.00	0.04	0.120	0					2.41
40.083	0.00	0.04	0.120	0					2.40
40.167	0.00	0.04	0.119	0					2.40
40.250	0.00	0.04	0.119	0					2.40
40.333	0.00	0.04	0.119	0					2.39
40.417	0.00	0.04	0.118	0					2.39
40.500	0.00	0.04	0.118	0					2.38
40.583	0.00	0.04	0.118	0					2.38
40.667	0.00	0.04	0.117	0					2.37
40.750	0.00	0.04	0.117	0					2.37
40.833	0.00	0.04	0.117	0					2.37
40.917	0.00	0.04	0.117	0					2.36
41.000	0.00	0.04	0.116	0					2.36
41.083	0.00	0.04	0.116	0					2.35
41.167	0.00	0.04	0.116	0					2.35
41.250	0.00	0.04	0.115	0					2.34
41.333	0.00	0.04	0.115	0					2.34
41.417	0.00	0.04	0.115	0					2.34
41.500	0.00	0.04	0.115	0					2.33
41.583	0.00	0.04	0.114	0					2.33
41.667	0.00	0.04	0.114	0					2.32
41.750	0.00	0.04	0.114	0					2.32
41.833	0.00	0.04	0.113	0					2.31
41.917	0.00	0.04	0.113	0					2.31
42.000	0.00	0.04	0.113	0					2.31
42.083	0.00	0.04	0.113	0					2.30
42.167	0.00	0.04	0.112	0					2.30
42.250	0.00	0.04	0.112	0					2.29
42.333	0.00	0.04	0.112	0					2.29
42.417	0.00	0.04	0.111	0					2.29
42.500	0.00	0.04	0.111	0					2.28
42.583	0.00	0.04	0.111	0					2.28
42.667	0.00	0.04	0.111	0					2.27
42.750	0.00	0.04	0.110	0					2.27
42.833	0.00	0.04	0.110	0					2.26
42.917	0.00	0.04	0.110	0					2.26
43.000	0.00	0.04	0.109	0					2.26
43.083	0.00	0.04	0.109	0					2.25
43.167	0.00	0.04	0.109	0					2.25
43.250	0.00	0.04	0.109	0					2.24
43.333	0.00	0.04	0.108	0					2.24
43.417	0.00	0.04	0.108	0					2.23
43.500	0.00	0.04	0.108	0					2.23

43.583	0.00	0.04	0.107	0					2.23
43.667	0.00	0.04	0.107	0					2.22
43.750	0.00	0.04	0.107	0					2.22
43.833	0.00	0.04	0.107	0					2.21
43.917	0.00	0.04	0.106	0					2.21
44.000	0.00	0.04	0.106	0					2.21
44.083	0.00	0.04	0.106	0					2.20
44.167	0.00	0.04	0.105	0					2.20
44.250	0.00	0.04	0.105	0					2.19
44.333	0.00	0.04	0.105	0					2.19
44.417	0.00	0.04	0.105	0					2.19
44.500	0.00	0.04	0.104	0					2.18
44.583	0.00	0.04	0.104	0					2.18
44.667	0.00	0.04	0.104	0					2.17
44.750	0.00	0.04	0.103	0					2.17
44.833	0.00	0.04	0.103	0					2.16
44.917	0.00	0.04	0.103	0					2.16
45.000	0.00	0.04	0.103	0					2.16
45.083	0.00	0.04	0.102	0					2.15
45.167	0.00	0.04	0.102	0					2.15
45.250	0.00	0.04	0.102	0					2.14
45.333	0.00	0.04	0.102	0					2.14
45.417	0.00	0.04	0.101	0					2.14
45.500	0.00	0.04	0.101	0					2.13
45.583	0.00	0.04	0.101	0					2.13
45.667	0.00	0.04	0.100	0					2.12
45.750	0.00	0.04	0.100	0					2.12
45.833	0.00	0.04	0.100	0					2.12
45.917	0.00	0.04	0.100	0					2.11
46.000	0.00	0.04	0.099	0					2.11
46.083	0.00	0.04	0.099	0					2.10
46.167	0.00	0.04	0.099	0					2.10
46.250	0.00	0.04	0.098	0					2.10
46.333	0.00	0.04	0.098	0					2.09
46.417	0.00	0.04	0.098	0					2.09
46.500	0.00	0.04	0.098	0					2.08
46.583	0.00	0.04	0.097	0					2.08
46.667	0.00	0.04	0.097	0					2.08
46.750	0.00	0.04	0.097	0					2.07
46.833	0.00	0.04	0.097	0					2.07
46.917	0.00	0.04	0.096	0					2.06
47.000	0.00	0.04	0.096	0					2.06
47.083	0.00	0.04	0.096	0					2.06
47.167	0.00	0.04	0.095	0					2.05
47.250	0.00	0.04	0.095	0					2.05
47.333	0.00	0.04	0.095	0					2.04
47.417	0.00	0.04	0.095	0					2.04
47.500	0.00	0.04	0.094	0					2.04
47.583	0.00	0.04	0.094	0					2.03
47.667	0.00	0.04	0.094	0					2.03

47.750	0.00	0.04	0.094	0					2.02
47.833	0.00	0.04	0.093	0					2.02
47.917	0.00	0.04	0.093	0					2.02
48.000	0.00	0.04	0.093	0					2.01
48.083	0.00	0.04	0.093	0					2.01
48.167	0.00	0.04	0.092	0					2.00
48.250	0.00	0.04	0.092	0					2.00
48.333	0.00	0.04	0.092	0					1.99
48.417	0.00	0.04	0.091	0					1.99
48.500	0.00	0.04	0.091	0					1.99
48.583	0.00	0.04	0.091	0					1.98
48.667	0.00	0.04	0.091	0					1.98
48.750	0.00	0.04	0.090	0					1.97
48.833	0.00	0.04	0.090	0					1.97
48.917	0.00	0.04	0.090	0					1.96
49.000	0.00	0.04	0.090	0					1.96
49.083	0.00	0.04	0.089	0					1.95
49.167	0.00	0.04	0.089	0					1.95
49.250	0.00	0.04	0.089	0					1.94
49.333	0.00	0.04	0.089	0					1.94
49.417	0.00	0.04	0.088	0					1.93
49.500	0.00	0.04	0.088	0					1.93
49.583	0.00	0.04	0.088	0					1.92
49.667	0.00	0.04	0.087	0					1.92
49.750	0.00	0.04	0.087	0					1.92
49.833	0.00	0.04	0.087	0					1.91
49.917	0.00	0.04	0.087	0					1.91
50.000	0.00	0.04	0.086	0					1.90
50.083	0.00	0.04	0.086	0					1.90
50.167	0.00	0.04	0.086	0					1.89
50.250	0.00	0.04	0.086	0					1.89
50.333	0.00	0.04	0.085	0					1.88
50.417	0.00	0.04	0.085	0					1.88
50.500	0.00	0.04	0.085	0					1.87
50.583	0.00	0.04	0.085	0					1.87
50.667	0.00	0.04	0.084	0					1.87
50.750	0.00	0.04	0.084	0					1.86
50.833	0.00	0.04	0.084	0					1.86
50.917	0.00	0.04	0.084	0					1.85
51.000	0.00	0.04	0.083	0					1.85
51.083	0.00	0.04	0.083	0					1.84
51.167	0.00	0.04	0.083	0					1.84
51.250	0.00	0.04	0.083	0					1.83
51.333	0.00	0.04	0.082	0					1.83
51.417	0.00	0.04	0.082	0					1.82
51.500	0.00	0.04	0.082	0					1.82
51.583	0.00	0.04	0.082	0					1.82
51.667	0.00	0.04	0.081	0					1.81
51.750	0.00	0.04	0.081	0					1.81
51.833	0.00	0.04	0.081	0					1.80

51.917	0.00	0.04	0.080	0					1.80
52.000	0.00	0.04	0.080	0					1.79
52.083	0.00	0.04	0.080	0					1.79
52.167	0.00	0.04	0.080	0					1.78
52.250	0.00	0.04	0.079	0					1.78
52.333	0.00	0.04	0.079	0					1.78
52.417	0.00	0.04	0.079	0					1.77
52.500	0.00	0.04	0.079	0					1.77
52.583	0.00	0.04	0.078	0					1.76
52.667	0.00	0.04	0.078	0					1.76
52.750	0.00	0.04	0.078	0					1.75
52.833	0.00	0.04	0.078	0					1.75
52.917	0.00	0.04	0.077	0					1.75
53.000	0.00	0.04	0.077	0					1.74
53.083	0.00	0.04	0.077	0					1.74
53.167	0.00	0.04	0.077	0					1.73
53.250	0.00	0.04	0.076	0					1.73
53.333	0.00	0.04	0.076	0					1.72
53.417	0.00	0.04	0.076	0					1.72
53.500	0.00	0.04	0.076	0					1.71
53.583	0.00	0.04	0.075	0					1.71
53.667	0.00	0.04	0.075	0					1.71
53.750	0.00	0.04	0.075	0					1.70
53.833	0.00	0.04	0.075	0					1.70
53.917	0.00	0.04	0.075	0					1.69
54.000	0.00	0.04	0.074	0					1.69
54.083	0.00	0.04	0.074	0					1.68
54.167	0.00	0.04	0.074	0					1.68
54.250	0.00	0.04	0.074	0					1.68
54.333	0.00	0.04	0.073	0					1.67
54.417	0.00	0.04	0.073	0					1.67
54.500	0.00	0.04	0.073	0					1.66
54.583	0.00	0.04	0.073	0					1.66
54.667	0.00	0.04	0.072	0					1.65
54.750	0.00	0.04	0.072	0					1.65
54.833	0.00	0.04	0.072	0					1.65
54.917	0.00	0.04	0.072	0					1.64
55.000	0.00	0.04	0.071	0					1.64
55.083	0.00	0.03	0.071	0					1.63
55.167	0.00	0.03	0.071	0					1.63
55.250	0.00	0.03	0.071	0					1.63
55.333	0.00	0.03	0.070	0					1.62
55.417	0.00	0.03	0.070	0					1.62
55.500	0.00	0.03	0.070	0					1.61
55.583	0.00	0.03	0.070	0					1.61
55.667	0.00	0.03	0.069	0					1.60
55.750	0.00	0.03	0.069	0					1.60
55.833	0.00	0.03	0.069	0					1.60
55.917	0.00	0.03	0.069	0					1.59
56.000	0.00	0.03	0.068	0					1.59

56.083	0.00	0.03	0.068	0					1.58
56.167	0.00	0.03	0.068	0					1.58
56.250	0.00	0.03	0.068	0					1.57
56.333	0.00	0.03	0.068	0					1.57
56.417	0.00	0.03	0.067	0					1.57
56.500	0.00	0.03	0.067	0					1.56
56.583	0.00	0.03	0.067	0					1.56
56.667	0.00	0.03	0.067	0					1.55
56.750	0.00	0.03	0.066	0					1.55
56.833	0.00	0.03	0.066	0					1.55
56.917	0.00	0.03	0.066	0					1.54
57.000	0.00	0.03	0.066	0					1.54
57.083	0.00	0.03	0.065	0					1.53
57.167	0.00	0.03	0.065	0					1.53
57.250	0.00	0.03	0.065	0					1.53
57.333	0.00	0.03	0.065	0					1.52
57.417	0.00	0.03	0.064	0					1.52
57.500	0.00	0.03	0.064	0					1.51
57.583	0.00	0.03	0.064	0					1.51
57.667	0.00	0.03	0.064	0					1.51
57.750	0.00	0.03	0.064	0					1.50
57.833	0.00	0.03	0.063	0					1.50
57.917	0.00	0.03	0.063	0					1.49
58.000	0.00	0.03	0.063	0					1.49
58.083	0.00	0.03	0.063	0					1.48
58.167	0.00	0.03	0.062	0					1.48
58.250	0.00	0.03	0.062	0					1.48
58.333	0.00	0.03	0.062	0					1.47
58.417	0.00	0.03	0.062	0					1.47
58.500	0.00	0.03	0.061	0					1.46
58.583	0.00	0.03	0.061	0					1.46
58.667	0.00	0.03	0.061	0					1.46
58.750	0.00	0.03	0.061	0					1.45
58.833	0.00	0.03	0.061	0					1.45
58.917	0.00	0.03	0.060	0					1.44
59.000	0.00	0.03	0.060	0					1.44
59.083	0.00	0.03	0.060	0					1.44
59.167	0.00	0.03	0.060	0					1.43
59.250	0.00	0.03	0.059	0					1.43
59.333	0.00	0.03	0.059	0					1.43
59.417	0.00	0.03	0.059	0					1.42
59.500	0.00	0.03	0.059	0					1.42
59.583	0.00	0.03	0.059	0					1.41
59.667	0.00	0.03	0.058	0					1.41
59.750	0.00	0.03	0.058	0					1.41
59.833	0.00	0.03	0.058	0					1.40
59.917	0.00	0.03	0.058	0					1.40
60.000	0.00	0.03	0.057	0					1.39
60.083	0.00	0.03	0.057	0					1.39
60.167	0.00	0.03	0.057	0					1.39

60.250	0.00	0.03	0.057	0					1.38
60.333	0.00	0.03	0.057	0					1.38
60.417	0.00	0.03	0.056	0					1.37
60.500	0.00	0.03	0.056	0					1.37
60.583	0.00	0.03	0.056	0					1.37
60.667	0.00	0.03	0.056	0					1.36
60.750	0.00	0.03	0.055	0					1.36
60.833	0.00	0.03	0.055	0					1.35
60.917	0.00	0.03	0.055	0					1.35
61.000	0.00	0.03	0.055	0					1.35
61.083	0.00	0.03	0.055	0					1.34
61.167	0.00	0.03	0.054	0					1.34
61.250	0.00	0.03	0.054	0					1.34
61.333	0.00	0.03	0.054	0					1.33
61.417	0.00	0.03	0.054	0					1.33
61.500	0.00	0.03	0.053	0					1.32
61.583	0.00	0.03	0.053	0					1.32
61.667	0.00	0.03	0.053	0					1.32
61.750	0.00	0.03	0.053	0					1.31
61.833	0.00	0.03	0.053	0					1.31
61.917	0.00	0.03	0.052	0					1.31
62.000	0.00	0.03	0.052	0					1.30
62.083	0.00	0.03	0.052	0					1.30
62.167	0.00	0.03	0.052	0					1.29
62.250	0.00	0.03	0.052	0					1.29
62.333	0.00	0.03	0.051	0					1.29
62.417	0.00	0.03	0.051	0					1.28
62.500	0.00	0.03	0.051	0					1.28
62.583	0.00	0.03	0.051	0					1.28
62.667	0.00	0.03	0.050	0					1.27
62.750	0.00	0.03	0.050	0					1.27
62.833	0.00	0.03	0.050	0					1.26
62.917	0.00	0.03	0.050	0					1.26
63.000	0.00	0.03	0.050	0					1.26
63.083	0.00	0.03	0.049	0					1.25
63.167	0.00	0.03	0.049	0					1.25
63.250	0.00	0.03	0.049	0					1.25
63.333	0.00	0.03	0.049	0					1.24
63.417	0.00	0.03	0.049	0					1.24
63.500	0.00	0.03	0.048	0					1.23
63.583	0.00	0.03	0.048	0					1.23
63.667	0.00	0.03	0.048	0					1.23
63.750	0.00	0.03	0.048	0					1.22
63.833	0.00	0.03	0.048	0					1.22
63.917	0.00	0.03	0.047	0					1.22
64.000	0.00	0.03	0.047	0					1.21
64.083	0.00	0.03	0.047	0					1.21
64.167	0.00	0.03	0.047	0					1.20
64.250	0.00	0.03	0.046	0					1.20
64.333	0.00	0.03	0.046	0					1.20

64.417	0.00	0.03	0.046	0					1.19
64.500	0.00	0.03	0.046	0					1.19
64.583	0.00	0.03	0.046	0					1.19
64.667	0.00	0.03	0.045	0					1.18
64.750	0.00	0.03	0.045	0					1.18
64.833	0.00	0.03	0.045	0					1.18
64.917	0.00	0.03	0.045	0					1.17
65.000	0.00	0.03	0.045	0					1.17
65.083	0.00	0.03	0.044	0					1.16
65.167	0.00	0.03	0.044	0					1.16
65.250	0.00	0.03	0.044	0					1.16
65.333	0.00	0.03	0.044	0					1.15
65.417	0.00	0.03	0.044	0					1.15
65.500	0.00	0.03	0.043	0					1.15
65.583	0.00	0.03	0.043	0					1.14
65.667	0.00	0.03	0.043	0					1.14
65.750	0.00	0.03	0.043	0					1.14
65.833	0.00	0.03	0.043	0					1.13
65.917	0.00	0.03	0.042	0					1.13
66.000	0.00	0.03	0.042	0					1.13
66.083	0.00	0.03	0.042	0					1.12
66.167	0.00	0.03	0.042	0					1.12
66.250	0.00	0.03	0.042	0					1.11
66.333	0.00	0.03	0.041	0					1.11
66.417	0.00	0.03	0.041	0					1.11
66.500	0.00	0.03	0.041	0					1.10
66.583	0.00	0.03	0.041	0					1.10
66.667	0.00	0.03	0.041	0					1.10
66.750	0.00	0.03	0.040	0					1.09
66.833	0.00	0.03	0.040	0					1.09
66.917	0.00	0.03	0.040	0					1.09
67.000	0.00	0.03	0.040	0					1.08
67.083	0.00	0.03	0.040	0					1.08
67.167	0.00	0.03	0.039	0					1.08
67.250	0.00	0.03	0.039	0					1.07
67.333	0.00	0.03	0.039	0					1.07
67.417	0.00	0.03	0.039	0					1.07
67.500	0.00	0.03	0.039	0					1.06
67.583	0.00	0.03	0.038	0					1.06
67.667	0.00	0.03	0.038	0					1.06
67.750	0.00	0.03	0.038	0					1.05
67.833	0.00	0.03	0.038	0					1.05
67.917	0.00	0.03	0.038	0					1.05
68.000	0.00	0.03	0.037	0					1.04
68.083	0.00	0.03	0.037	0					1.04
68.167	0.00	0.03	0.037	0					1.03
68.250	0.00	0.03	0.037	0					1.03
68.333	0.00	0.03	0.037	0					1.03
68.417	0.00	0.03	0.036	0					1.02
68.500	0.00	0.03	0.036	0					1.02

68.583	0.00	0.03	0.036	0					1.02
68.667	0.00	0.03	0.036	0					1.01
68.750	0.00	0.03	0.036	0					1.01
68.833	0.00	0.03	0.035	0					1.01
68.917	0.00	0.03	0.035	0					1.00
69.000	0.00	0.03	0.035	0					1.00
69.083	0.00	0.03	0.035	0					1.00
69.167	0.00	0.03	0.035	0					0.99
69.250	0.00	0.03	0.034	0					0.99
69.333	0.00	0.03	0.034	0					0.98
69.417	0.00	0.03	0.034	0					0.98
69.500	0.00	0.03	0.034	0					0.97
69.583	0.00	0.03	0.034	0					0.96
69.667	0.00	0.03	0.034	0					0.96
69.750	0.00	0.03	0.033	0					0.95
69.833	0.00	0.03	0.033	0					0.95
69.917	0.00	0.03	0.033	0					0.94
70.000	0.00	0.03	0.033	0					0.94
70.083	0.00	0.03	0.033	0					0.93
70.167	0.00	0.03	0.032	0					0.93
70.250	0.00	0.03	0.032	0					0.92
70.333	0.00	0.03	0.032	0					0.92
70.417	0.00	0.03	0.032	0					0.91
70.500	0.00	0.03	0.032	0					0.91
70.583	0.00	0.03	0.032	0					0.91
70.667	0.00	0.03	0.031	0					0.90
70.750	0.00	0.03	0.031	0					0.90
70.833	0.00	0.03	0.031	0					0.89
70.917	0.00	0.03	0.031	0					0.89
71.000	0.00	0.03	0.031	0					0.88
71.083	0.00	0.02	0.030	0					0.88
71.167	0.00	0.02	0.030	0					0.87
71.250	0.00	0.02	0.030	0					0.87
71.333	0.00	0.02	0.030	0					0.86
71.417	0.00	0.02	0.030	0					0.86
71.500	0.00	0.02	0.030	0					0.85
71.583	0.00	0.02	0.029	0					0.85
71.667	0.00	0.02	0.029	0					0.84
71.750	0.00	0.02	0.029	0					0.84
71.833	0.00	0.02	0.029	0					0.84
71.917	0.00	0.02	0.029	0					0.83
72.000	0.00	0.02	0.029	0					0.83
72.083	0.00	0.02	0.028	0					0.82
72.167	0.00	0.02	0.028	0					0.82
72.250	0.00	0.02	0.028	0					0.81
72.333	0.00	0.02	0.028	0					0.81
72.417	0.00	0.02	0.028	0					0.80
72.500	0.00	0.02	0.028	0					0.80
72.583	0.00	0.02	0.028	0					0.80
72.667	0.00	0.02	0.027	0					0.79

72.750	0.00	0.02	0.027	0					0.79
72.833	0.00	0.02	0.027	0					0.78
72.917	0.00	0.02	0.027	0					0.78
73.000	0.00	0.02	0.027	0					0.77
73.083	0.00	0.02	0.027	0					0.77
73.167	0.00	0.02	0.026	0					0.77
73.250	0.00	0.02	0.026	0					0.76
73.333	0.00	0.02	0.026	0					0.76
73.417	0.00	0.02	0.026	0					0.75
73.500	0.00	0.02	0.026	0					0.75
73.583	0.00	0.02	0.026	0					0.75
73.667	0.00	0.02	0.026	0					0.74
73.750	0.00	0.02	0.025	0					0.74
73.833	0.00	0.02	0.025	0					0.73
73.917	0.00	0.02	0.025	0					0.73
74.000	0.00	0.02	0.025	0					0.73
74.083	0.00	0.02	0.025	0					0.72
74.167	0.00	0.02	0.025	0					0.72
74.250	0.00	0.02	0.024	0					0.71
74.333	0.00	0.02	0.024	0					0.71
74.417	0.00	0.02	0.024	0					0.71
74.500	0.00	0.02	0.024	0					0.70
74.583	0.00	0.02	0.024	0					0.70
74.667	0.00	0.02	0.024	0					0.69
74.750	0.00	0.02	0.024	0					0.69
74.833	0.00	0.02	0.023	0					0.69
74.917	0.00	0.02	0.023	0					0.68
75.000	0.00	0.02	0.023	0					0.68
75.083	0.00	0.02	0.023	0					0.67
75.167	0.00	0.02	0.023	0					0.67
75.250	0.00	0.02	0.023	0					0.67
75.333	0.00	0.02	0.023	0					0.66
75.417	0.00	0.02	0.023	0					0.66
75.500	0.00	0.02	0.022	0					0.66
75.583	0.00	0.02	0.022	0					0.65
75.667	0.00	0.02	0.022	0					0.65
75.750	0.00	0.02	0.022	0					0.64
75.833	0.00	0.02	0.022	0					0.64
75.917	0.00	0.02	0.022	0					0.64
76.000	0.00	0.02	0.022	0					0.63
76.083	0.00	0.02	0.021	0					0.63
76.167	0.00	0.02	0.021	0					0.63
76.250	0.00	0.02	0.021	0					0.62
76.333	0.00	0.02	0.021	0					0.62
76.417	0.00	0.02	0.021	0					0.62
76.500	0.00	0.02	0.021	0					0.61
76.583	0.00	0.02	0.021	0					0.61
76.667	0.00	0.02	0.021	0					0.61
76.750	0.00	0.02	0.020	0					0.60
76.833	0.00	0.02	0.020	0					0.60

76.917	0.00	0.02	0.020	0					0.60
77.000	0.00	0.02	0.020	0					0.59
77.083	0.00	0.02	0.020	0					0.59
77.167	0.00	0.02	0.020	0					0.59
77.250	0.00	0.02	0.020	0					0.58
77.333	0.00	0.02	0.020	0					0.58
77.417	0.00	0.02	0.019	0					0.58
77.500	0.00	0.02	0.019	0					0.57
77.583	0.00	0.02	0.019	0					0.57
77.667	0.00	0.02	0.019	0					0.57
77.750	0.00	0.02	0.019	0					0.56
77.833	0.00	0.02	0.019	0					0.56
77.917	0.00	0.02	0.019	0					0.56
78.000	0.00	0.02	0.019	0					0.55
78.083	0.00	0.02	0.018	0					0.55
78.167	0.00	0.02	0.018	0					0.55
78.250	0.00	0.02	0.018	0					0.54
78.333	0.00	0.02	0.018	0					0.54
78.417	0.00	0.02	0.018	0					0.54
78.500	0.00	0.02	0.018	0					0.53
78.583	0.00	0.02	0.018	0					0.53
78.667	0.00	0.02	0.018	0					0.53
78.750	0.00	0.02	0.018	0					0.52
78.833	0.00	0.02	0.017	0					0.52
78.917	0.00	0.02	0.017	0					0.52
79.000	0.00	0.02	0.017	0					0.52
79.083	0.00	0.02	0.017	0					0.51
79.167	0.00	0.02	0.017	0					0.51
79.250	0.00	0.02	0.017	0					0.51
79.333	0.00	0.02	0.017	0					0.50
79.417	0.00	0.02	0.017	0					0.50
79.500	0.00	0.02	0.017	0					0.50
79.583	0.00	0.02	0.016	0					0.49
79.667	0.00	0.02	0.016	0					0.49
79.750	0.00	0.02	0.016	0					0.49
79.833	0.00	0.02	0.016	0					0.49
79.917	0.00	0.02	0.016	0					0.48
80.000	0.00	0.02	0.016	0					0.48
80.083	0.00	0.02	0.016	0					0.48
80.167	0.00	0.02	0.016	0					0.47
80.250	0.00	0.02	0.016	0					0.47
80.333	0.00	0.02	0.016	0					0.47
80.417	0.00	0.01	0.015	0					0.47
80.500	0.00	0.01	0.015	0					0.46
80.583	0.00	0.01	0.015	0					0.46
80.667	0.00	0.01	0.015	0					0.46
80.750	0.00	0.01	0.015	0					0.45
80.833	0.00	0.01	0.015	0					0.45
80.917	0.00	0.01	0.015	0					0.45
81.000	0.00	0.01	0.015	0					0.45

81.083	0.00	0.01	0.015	0					0.44
81.167	0.00	0.01	0.015	0					0.44
81.250	0.00	0.01	0.014	0					0.44
81.333	0.00	0.01	0.014	0					0.44
81.417	0.00	0.01	0.014	0					0.43
81.500	0.00	0.01	0.014	0					0.43
81.583	0.00	0.01	0.014	0					0.43
81.667	0.00	0.01	0.014	0					0.43
81.750	0.00	0.01	0.014	0					0.42
81.833	0.00	0.01	0.014	0					0.42
81.917	0.00	0.01	0.014	0					0.42
82.000	0.00	0.01	0.014	0					0.41
82.083	0.00	0.01	0.013	0					0.41
82.167	0.00	0.01	0.013	0					0.41
82.250	0.00	0.01	0.013	0					0.41
82.333	0.00	0.01	0.013	0					0.40
82.417	0.00	0.01	0.013	0					0.40
82.500	0.00	0.01	0.013	0					0.40
82.583	0.00	0.01	0.013	0					0.40
82.667	0.00	0.01	0.013	0					0.39
82.750	0.00	0.01	0.013	0					0.39
82.833	0.00	0.01	0.013	0					0.39
82.917	0.00	0.01	0.013	0					0.39
83.000	0.00	0.01	0.012	0					0.38
83.083	0.00	0.01	0.012	0					0.38
83.167	0.00	0.01	0.012	0					0.38
83.250	0.00	0.01	0.012	0					0.38
83.333	0.00	0.01	0.012	0					0.38
83.417	0.00	0.01	0.012	0					0.37
83.500	0.00	0.01	0.012	0					0.37
83.583	0.00	0.01	0.012	0					0.37
83.667	0.00	0.01	0.012	0					0.37
83.750	0.00	0.01	0.012	0					0.36
83.833	0.00	0.01	0.012	0					0.36
83.917	0.00	0.01	0.011	0					0.36
84.000	0.00	0.01	0.011	0					0.36
84.083	0.00	0.01	0.011	0					0.35
84.167	0.00	0.01	0.011	0					0.35
84.250	0.00	0.01	0.011	0					0.35
84.333	0.00	0.01	0.011	0					0.35
84.417	0.00	0.01	0.011	0					0.34
84.500	0.00	0.01	0.011	0					0.34
84.583	0.00	0.01	0.011	0					0.34
84.667	0.00	0.01	0.011	0					0.34
84.750	0.00	0.01	0.011	0					0.34
84.833	0.00	0.01	0.011	0					0.33
84.917	0.00	0.01	0.010	0					0.33
85.000	0.00	0.01	0.010	0					0.33
85.083	0.00	0.01	0.010	0					0.33
85.167	0.00	0.01	0.010	0					0.33

85.250	0.00	0.01	0.010	0					0.32
85.333	0.00	0.01	0.010	0					0.32
85.417	0.00	0.01	0.010	0					0.32
85.500	0.00	0.01	0.010	0					0.32
85.583	0.00	0.01	0.010	0					0.31
85.667	0.00	0.01	0.010	0					0.31
85.750	0.00	0.01	0.010	0					0.31
85.833	0.00	0.01	0.010	0					0.31
85.917	0.00	0.01	0.010	0					0.31
86.000	0.00	0.01	0.009	0					0.30
86.083	0.00	0.01	0.009	0					0.30
86.167	0.00	0.01	0.009	0					0.30
86.250	0.00	0.01	0.009	0					0.30
86.333	0.00	0.01	0.009	0					0.30
86.417	0.00	0.01	0.009	0					0.29
86.500	0.00	0.01	0.009	0					0.29
86.583	0.00	0.01	0.009	0					0.29
86.667	0.00	0.01	0.009	0					0.29
86.750	0.00	0.01	0.009	0					0.29
86.833	0.00	0.01	0.009	0					0.28
86.917	0.00	0.01	0.009	0					0.28
87.000	0.00	0.01	0.009	0					0.28
87.083	0.00	0.01	0.009	0					0.28
87.167	0.00	0.01	0.008	0					0.28
87.250	0.00	0.01	0.008	0					0.27
87.333	0.00	0.01	0.008	0					0.27
87.417	0.00	0.01	0.008	0					0.27
87.500	0.00	0.01	0.008	0					0.27
87.583	0.00	0.01	0.008	0					0.27
87.667	0.00	0.01	0.008	0					0.26
87.750	0.00	0.01	0.008	0					0.26
87.833	0.00	0.01	0.008	0					0.26
87.917	0.00	0.01	0.008	0					0.26
88.000	0.00	0.01	0.008	0					0.26
88.083	0.00	0.01	0.008	0					0.26
88.167	0.00	0.01	0.008	0					0.25
88.250	0.00	0.01	0.008	0					0.25
88.333	0.00	0.01	0.007	0					0.25
88.417	0.00	0.01	0.007	0					0.25
88.500	0.00	0.01	0.007	0					0.25
88.583	0.00	0.01	0.007	0					0.24
88.667	0.00	0.01	0.007	0					0.24
88.750	0.00	0.01	0.007	0					0.24
88.833	0.00	0.01	0.007	0					0.24
88.917	0.00	0.01	0.007	0					0.24
89.000	0.00	0.01	0.007	0					0.24
89.083	0.00	0.01	0.007	0					0.23
89.167	0.00	0.01	0.007	0					0.23
89.250	0.00	0.01	0.007	0					0.23
89.333	0.00	0.01	0.007	0					0.23

89.417	0.00	0.01	0.007	0					0.23
89.500	0.00	0.01	0.007	0					0.23
89.583	0.00	0.01	0.007	0					0.22
89.667	0.00	0.01	0.006	0					0.22
89.750	0.00	0.01	0.006	0					0.22
89.833	0.00	0.01	0.006	0					0.22
89.917	0.00	0.01	0.006	0					0.22
90.000	0.00	0.01	0.006	0					0.22
90.083	0.00	0.01	0.006	0					0.21
90.167	0.00	0.01	0.006	0					0.21
90.250	0.00	0.01	0.006	0					0.21
90.333	0.00	0.01	0.006	0					0.21
90.417	0.00	0.01	0.006	0					0.21
90.500	0.00	0.01	0.006	0					0.21
90.583	0.00	0.01	0.006	0					0.20
90.667	0.00	0.01	0.006	0					0.20
90.750	0.00	0.01	0.006	0					0.20
90.833	0.00	0.01	0.006	0					0.20
90.917	0.00	0.01	0.006	0					0.20
91.000	0.00	0.01	0.006	0					0.20
91.083	0.00	0.01	0.005	0					0.19
91.167	0.00	0.01	0.005	0					0.19
91.250	0.00	0.01	0.005	0					0.19
91.333	0.00	0.01	0.005	0					0.19
91.417	0.00	0.01	0.005	0					0.19
91.500	0.00	0.01	0.005	0					0.19
91.583	0.00	0.01	0.005	0					0.18
91.667	0.00	0.01	0.005	0					0.18
91.750	0.00	0.01	0.005	0					0.18
91.833	0.00	0.01	0.005	0					0.18
91.917	0.00	0.01	0.005	0					0.18
92.000	0.00	0.01	0.005	0					0.18
92.083	0.00	0.01	0.005	0					0.18
92.167	0.00	0.01	0.005	0					0.17
92.250	0.00	0.01	0.005	0					0.17
92.333	0.00	0.01	0.005	0					0.17
92.417	0.00	0.01	0.005	0					0.17
92.500	0.00	0.01	0.005	0					0.17
92.583	0.00	0.01	0.004	0					0.17
92.667	0.00	0.01	0.004	0					0.17
92.750	0.00	0.01	0.004	0					0.16
92.833	0.00	0.01	0.004	0					0.16
92.917	0.00	0.01	0.004	0					0.16
93.000	0.00	0.01	0.004	0					0.16
93.083	0.00	0.01	0.004	0					0.16
93.167	0.00	0.01	0.004	0					0.16
93.250	0.00	0.01	0.004	0					0.16
93.333	0.00	0.01	0.004	0					0.15
93.417	0.00	0.01	0.004	0					0.15
93.500	0.00	0.01	0.004	0					0.15

93.583	0.00	0.01	0.004	0					0.15
93.667	0.00	0.01	0.004	0					0.15
93.750	0.00	0.01	0.004	0					0.15
93.833	0.00	0.01	0.004	0					0.15
93.917	0.00	0.01	0.004	0					0.15
94.000	0.00	0.01	0.004	0					0.14
94.083	0.00	0.01	0.004	0					0.14
94.167	0.00	0.01	0.004	0					0.14
94.250	0.00	0.01	0.003	0					0.14
94.333	0.00	0.01	0.003	0					0.14
94.417	0.00	0.01	0.003	0					0.14
94.500	0.00	0.01	0.003	0					0.14
94.583	0.00	0.01	0.003	0					0.13
94.667	0.00	0.01	0.003	0					0.13
94.750	0.00	0.01	0.003	0					0.13
94.833	0.00	0.01	0.003	0					0.13
94.917	0.00	0.01	0.003	0					0.13
95.000	0.00	0.01	0.003	0					0.13
95.083	0.00	0.01	0.003	0					0.13
95.167	0.00	0.01	0.003	0					0.13
95.250	0.00	0.01	0.003	0					0.12
95.333	0.00	0.01	0.003	0					0.12
95.417	0.00	0.01	0.003	0					0.12
95.500	0.00	0.01	0.003	0					0.12
95.583	0.00	0.01	0.003	0					0.12
95.667	0.00	0.01	0.003	0					0.12
95.750	0.00	0.01	0.003	0					0.12
95.833	0.00	0.01	0.003	0					0.12
95.917	0.00	0.01	0.003	0					0.11
96.000	0.00	0.01	0.002	0					0.11
96.083	0.00	0.01	0.002	0					0.11
96.167	0.00	0.01	0.002	0					0.11
96.250	0.00	0.01	0.002	0					0.11
96.333	0.00	0.01	0.002	0					0.11
96.417	0.00	0.01	0.002	0					0.11
96.500	0.00	0.01	0.002	0					0.11
96.583	0.00	0.01	0.002	0					0.11
96.667	0.00	0.01	0.002	0					0.10
96.750	0.00	0.01	0.002	0					0.10
96.833	0.00	0.01	0.002	0					0.10
96.917	0.00	0.01	0.002	0					0.10
97.000	0.00	0.01	0.002	0					0.10
97.083	0.00	0.01	0.002	0					0.10
97.167	0.00	0.01	0.002	0					0.10
97.250	0.00	0.01	0.002	0					0.09
97.333	0.00	0.01	0.002	0					0.09
97.417	0.00	0.01	0.002	0					0.09
97.500	0.00	0.01	0.002	0					0.09
97.583	0.00	0.01	0.002	0					0.09
97.667	0.00	0.01	0.002	0					0.08

97.750	0.00	0.00	0.002	0					0.08
97.833	0.00	0.00	0.002	0					0.08
97.917	0.00	0.00	0.002	0					0.08
98.000	0.00	0.00	0.002	0					0.08
98.083	0.00	0.00	0.002	0					0.08
98.167	0.00	0.00	0.001	0					0.07
98.250	0.00	0.00	0.001	0					0.07
98.333	0.00	0.00	0.001	0					0.07
98.417	0.00	0.00	0.001	0					0.07
98.500	0.00	0.00	0.001	0					0.07
98.583	0.00	0.00	0.001	0					0.07
98.667	0.00	0.00	0.001	0					0.07
98.750	0.00	0.00	0.001	0					0.06
98.833	0.00	0.00	0.001	0					0.06
98.917	0.00	0.00	0.001	0					0.06
99.000	0.00	0.00	0.001	0					0.06
99.083	0.00	0.00	0.001	0					0.06
99.167	0.00	0.00	0.001	0					0.06
99.250	0.00	0.00	0.001	0					0.06
99.333	0.00	0.00	0.001	0					0.06
99.417	0.00	0.00	0.001	0					0.05
99.500	0.00	0.00	0.001	0					0.05
99.583	0.00	0.00	0.001	0					0.05
99.667	0.00	0.00	0.001	0					0.05
99.750	0.00	0.00	0.001	0					0.05
99.833	0.00	0.00	0.001	0					0.05
99.917	0.00	0.00	0.001	0					0.05
100.000	0.00	0.00	0.001	0					0.05
100.083	0.00	0.00	0.001	0					0.05
100.167	0.00	0.00	0.001	0					0.05
100.250	0.00	0.00	0.001	0					0.04
100.333	0.00	0.00	0.001	0					0.04
100.417	0.00	0.00	0.001	0					0.04
100.500	0.00	0.00	0.001	0					0.04
100.583	0.00	0.00	0.001	0					0.04
100.667	0.00	0.00	0.001	0					0.04
100.750	0.00	0.00	0.001	0					0.04
100.833	0.00	0.00	0.001	0					0.04
100.917	0.00	0.00	0.001	0					0.04
101.000	0.00	0.00	0.001	0					0.04
101.083	0.00	0.00	0.001	0					0.04
101.167	0.00	0.00	0.001	0					0.04
101.250	0.00	0.00	0.001	0					0.03
101.333	0.00	0.00	0.001	0					0.03
101.417	0.00	0.00	0.001	0					0.03
101.500	0.00	0.00	0.001	0					0.03
101.583	0.00	0.00	0.001	0					0.03
101.667	0.00	0.00	0.001	0					0.03
101.750	0.00	0.00	0.001	0					0.03
101.833	0.00	0.00	0.001	0					0.03

101.917	0.00	0.00	0.001	0					0.03
102.000	0.00	0.00	0.001	0					0.03
102.083	0.00	0.00	0.001	0					0.03
102.167	0.00	0.00	0.001	0					0.03
102.250	0.00	0.00	0.001	0					0.03
102.333	0.00	0.00	0.001	0					0.03
102.417	0.00	0.00	0.001	0					0.03
102.500	0.00	0.00	0.001	0					0.03
102.583	0.00	0.00	0.000	0					0.02
102.667	0.00	0.00	0.000	0					0.02
102.750	0.00	0.00	0.000	0					0.02
102.833	0.00	0.00	0.000	0					0.02
102.917	0.00	0.00	0.000	0					0.02
103.000	0.00	0.00	0.000	0					0.02
103.083	0.00	0.00	0.000	0					0.02
103.167	0.00	0.00	0.000	0					0.02
103.250	0.00	0.00	0.000	0					0.02
103.333	0.00	0.00	0.000	0					0.02
103.417	0.00	0.00	0.000	0					0.02
103.500	0.00	0.00	0.000	0					0.02
103.583	0.00	0.00	0.000	0					0.02
103.667	0.00	0.00	0.000	0					0.02
103.750	0.00	0.00	0.000	0					0.02
103.833	0.00	0.00	0.000	0					0.02
103.917	0.00	0.00	0.000	0					0.02
104.000	0.00	0.00	0.000	0					0.02
104.083	0.00	0.00	0.000	0					0.02
104.167	0.00	0.00	0.000	0					0.02
104.250	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1251

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.060 (CFS)

Total volume = 0.280 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
10 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da4310.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.730 (CFS)
Total volume = 0.211 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.7	1.37	2.05	2.73	Depth (Ft.)
0.083	0.23	0.00	0.001	0 I					0.04
0.167	0.35	0.01	0.003	0 I					0.12
0.250	0.33	0.01	0.005	0 I					0.18
0.333	0.38	0.01	0.007	0 I					0.25
0.417	0.42	0.01	0.010	0 I					0.32
0.500	0.48	0.01	0.013	0 I					0.40
0.583	0.45	0.02	0.016	0 I					0.49
0.667	0.48	0.02	0.019	0 I					0.57
0.750	0.50	0.02	0.023	0 I					0.66
0.833	0.45	0.02	0.026	0 I					0.75
0.917	0.44	0.02	0.029	0 I					0.83
1.000	0.49	0.03	0.032	0 I					0.91
1.083	0.58	0.03	0.035	0 I					1.00
1.167	0.62	0.03	0.039	0 I					1.07
1.250	0.62	0.03	0.043	0 I					1.14
1.333	0.58	0.03	0.047	0 I					1.21
1.417	0.67	0.03	0.051	0 I					1.28
1.500	0.75	0.03	0.056	0 I					1.37
1.583	0.71	0.03	0.061	0 I					1.45
1.667	0.74	0.03	0.065	0 I					1.53
1.750	0.91	0.03	0.071	0 I	I				1.63
1.833	0.94	0.04	0.077	0 I	I				1.74

1.917	0.88	0.04	0.083	0		I					1.84
2.000	0.87	0.04	0.089	0		I					1.94
2.083	0.91	0.04	0.095	0		I					2.04
2.167	1.19	0.04	0.102	0			I				2.14
2.250	1.52	0.04	0.111	0				I			2.27
2.333	1.27	0.04	0.120	0			I				2.41
2.417	1.89	0.04	0.130	0					I		2.57
2.500	2.41	0.05	0.145	0						I	2.78
2.583	2.73	0.05	0.162	0						I	3.03
2.667	2.29	0.05	0.179	0					I		3.28
2.750	1.10	0.05	0.191	0		I					3.44
2.833	0.57	0.05	0.196	0			I				3.51
2.917	0.51	0.05	0.199	0	I						3.56
3.000	0.29	0.05	0.202	0	I						3.60
3.083	0.07	0.05	0.203	0							3.61
3.167	0.01	0.05	0.203	0							3.61
3.250	0.00	0.05	0.202	0							3.60
3.333	0.00	0.05	0.202	0							3.60
3.417	0.00	0.05	0.201	0							3.59
3.500	0.00	0.05	0.201	0							3.59
3.583	0.00	0.05	0.201	0							3.58
3.667	0.00	0.05	0.200	0							3.58
3.750	0.00	0.05	0.200	0							3.57
3.833	0.00	0.05	0.200	0							3.57
3.917	0.00	0.05	0.199	0							3.56
4.000	0.00	0.05	0.199	0							3.56
4.083	0.00	0.05	0.199	0							3.55
4.167	0.00	0.05	0.198	0							3.55
4.250	0.00	0.05	0.198	0							3.54
4.333	0.00	0.05	0.198	0							3.54
4.417	0.00	0.05	0.197	0							3.53
4.500	0.00	0.05	0.197	0							3.53
4.583	0.00	0.05	0.196	0							3.52
4.667	0.00	0.05	0.196	0							3.52
4.750	0.00	0.05	0.196	0							3.51
4.833	0.00	0.05	0.195	0							3.51
4.917	0.00	0.05	0.195	0							3.50
5.000	0.00	0.05	0.195	0							3.49
5.083	0.00	0.05	0.194	0							3.49
5.167	0.00	0.05	0.194	0							3.48
5.250	0.00	0.05	0.194	0							3.48
5.333	0.00	0.05	0.193	0							3.47
5.417	0.00	0.05	0.193	0							3.47
5.500	0.00	0.05	0.192	0							3.46
5.583	0.00	0.05	0.192	0							3.46
5.667	0.00	0.05	0.192	0							3.45
5.750	0.00	0.05	0.191	0							3.45
5.833	0.00	0.05	0.191	0							3.44
5.917	0.00	0.05	0.191	0							3.44
6.000	0.00	0.05	0.190	0							3.43

6.083	0.00	0.05	0.190	0					3.43
6.167	0.00	0.05	0.190	0					3.42
6.250	0.00	0.05	0.189	0					3.42
6.333	0.00	0.05	0.189	0					3.41
6.417	0.00	0.05	0.189	0					3.41
6.500	0.00	0.05	0.188	0					3.40
6.583	0.00	0.05	0.188	0					3.40
6.667	0.00	0.05	0.188	0					3.39
6.750	0.00	0.05	0.187	0					3.39
6.833	0.00	0.05	0.187	0					3.38
6.917	0.00	0.05	0.186	0					3.38
7.000	0.00	0.05	0.186	0					3.37
7.083	0.00	0.05	0.186	0					3.37
7.167	0.00	0.05	0.185	0					3.36
7.250	0.00	0.05	0.185	0					3.36
7.333	0.00	0.05	0.185	0					3.35
7.417	0.00	0.05	0.184	0					3.35
7.500	0.00	0.05	0.184	0					3.34
7.583	0.00	0.05	0.184	0					3.34
7.667	0.00	0.05	0.183	0					3.33
7.750	0.00	0.05	0.183	0					3.33
7.833	0.00	0.05	0.183	0					3.32
7.917	0.00	0.05	0.182	0					3.32
8.000	0.00	0.05	0.182	0					3.31
8.083	0.00	0.05	0.182	0					3.31
8.167	0.00	0.05	0.181	0					3.30
8.250	0.00	0.05	0.181	0					3.30
8.333	0.00	0.05	0.181	0					3.29
8.417	0.00	0.05	0.180	0					3.29
8.500	0.00	0.05	0.180	0					3.28
8.583	0.00	0.05	0.180	0					3.28
8.667	0.00	0.05	0.179	0					3.27
8.750	0.00	0.05	0.179	0					3.27
8.833	0.00	0.05	0.178	0					3.26
8.917	0.00	0.05	0.178	0					3.26
9.000	0.00	0.05	0.178	0					3.25
9.083	0.00	0.05	0.177	0					3.25
9.167	0.00	0.05	0.177	0					3.24
9.250	0.00	0.05	0.177	0					3.24
9.333	0.00	0.05	0.176	0					3.23
9.417	0.00	0.05	0.176	0					3.23
9.500	0.00	0.05	0.176	0					3.22
9.583	0.00	0.05	0.175	0					3.22
9.667	0.00	0.05	0.175	0					3.21
9.750	0.00	0.05	0.175	0					3.21
9.833	0.00	0.05	0.174	0					3.21
9.917	0.00	0.05	0.174	0					3.20
10.000	0.00	0.05	0.174	0					3.20
10.083	0.00	0.05	0.173	0					3.19
10.167	0.00	0.05	0.173	0					3.19

10.250	0.00	0.05	0.173	0					3.18
10.333	0.00	0.05	0.172	0					3.18
10.417	0.00	0.05	0.172	0					3.17
10.500	0.00	0.05	0.172	0					3.17
10.583	0.00	0.05	0.171	0					3.16
10.667	0.00	0.05	0.171	0					3.16
10.750	0.00	0.05	0.171	0					3.15
10.833	0.00	0.05	0.170	0					3.15
10.917	0.00	0.05	0.170	0					3.14
11.000	0.00	0.05	0.170	0					3.14
11.083	0.00	0.05	0.169	0					3.13
11.167	0.00	0.05	0.169	0					3.13
11.250	0.00	0.05	0.169	0					3.12
11.333	0.00	0.05	0.168	0					3.12
11.417	0.00	0.05	0.168	0					3.11
11.500	0.00	0.05	0.168	0					3.11
11.583	0.00	0.05	0.167	0					3.10
11.667	0.00	0.05	0.167	0					3.10
11.750	0.00	0.05	0.167	0					3.09
11.833	0.00	0.05	0.166	0					3.09
11.917	0.00	0.05	0.166	0					3.08
12.000	0.00	0.05	0.166	0					3.08
12.083	0.00	0.05	0.165	0					3.07
12.167	0.00	0.05	0.165	0					3.07
12.250	0.00	0.05	0.165	0					3.06
12.333	0.00	0.05	0.164	0					3.06
12.417	0.00	0.05	0.164	0					3.06
12.500	0.00	0.05	0.164	0					3.05
12.583	0.00	0.05	0.163	0					3.05
12.667	0.00	0.05	0.163	0					3.04
12.750	0.00	0.05	0.163	0					3.04
12.833	0.00	0.05	0.162	0					3.03
12.917	0.00	0.05	0.162	0					3.03
13.000	0.00	0.05	0.162	0					3.02
13.083	0.00	0.05	0.161	0					3.02
13.167	0.00	0.05	0.161	0					3.01
13.250	0.00	0.05	0.161	0					3.01
13.333	0.00	0.05	0.160	0					3.00
13.417	0.00	0.05	0.160	0					3.00
13.500	0.00	0.05	0.160	0					2.99
13.583	0.00	0.05	0.159	0					2.99
13.667	0.00	0.05	0.159	0					2.98
13.750	0.00	0.05	0.159	0					2.98
13.833	0.00	0.05	0.158	0					2.97
13.917	0.00	0.05	0.158	0					2.97
14.000	0.00	0.05	0.158	0					2.96
14.083	0.00	0.05	0.157	0					2.96
14.167	0.00	0.05	0.157	0					2.95
14.250	0.00	0.05	0.157	0					2.95
14.333	0.00	0.05	0.156	0					2.95

14.417	0.00	0.05	0.156	0					2.94
14.500	0.00	0.05	0.156	0					2.94
14.583	0.00	0.05	0.155	0					2.93
14.667	0.00	0.05	0.155	0					2.93
14.750	0.00	0.05	0.155	0					2.92
14.833	0.00	0.05	0.154	0					2.92
14.917	0.00	0.05	0.154	0					2.91
15.000	0.00	0.05	0.154	0					2.91
15.083	0.00	0.05	0.153	0					2.90
15.167	0.00	0.05	0.153	0					2.90
15.250	0.00	0.05	0.153	0					2.89
15.333	0.00	0.05	0.152	0					2.89
15.417	0.00	0.05	0.152	0					2.88
15.500	0.00	0.05	0.152	0					2.88
15.583	0.00	0.05	0.151	0					2.87
15.667	0.00	0.05	0.151	0					2.87
15.750	0.00	0.05	0.151	0					2.86
15.833	0.00	0.05	0.150	0					2.86
15.917	0.00	0.05	0.150	0					2.85
16.000	0.00	0.05	0.150	0					2.85
16.083	0.00	0.05	0.149	0					2.85
16.167	0.00	0.05	0.149	0					2.84
16.250	0.00	0.05	0.149	0					2.84
16.333	0.00	0.05	0.149	0					2.83
16.417	0.00	0.05	0.148	0					2.83
16.500	0.00	0.05	0.148	0					2.82
16.583	0.00	0.05	0.148	0					2.82
16.667	0.00	0.05	0.147	0					2.81
16.750	0.00	0.05	0.147	0					2.81
16.833	0.00	0.05	0.147	0					2.80
16.917	0.00	0.05	0.146	0					2.80
17.000	0.00	0.05	0.146	0					2.79
17.083	0.00	0.05	0.146	0					2.79
17.167	0.00	0.05	0.145	0					2.78
17.250	0.00	0.05	0.145	0					2.78
17.333	0.00	0.05	0.145	0					2.77
17.417	0.00	0.05	0.144	0					2.77
17.500	0.00	0.05	0.144	0					2.77
17.583	0.00	0.05	0.144	0					2.76
17.667	0.00	0.05	0.143	0					2.76
17.750	0.00	0.05	0.143	0					2.75
17.833	0.00	0.05	0.143	0					2.75
17.917	0.00	0.05	0.142	0					2.74
18.000	0.00	0.05	0.142	0					2.74
18.083	0.00	0.05	0.142	0					2.73
18.167	0.00	0.05	0.142	0					2.73
18.250	0.00	0.05	0.141	0					2.72
18.333	0.00	0.05	0.141	0					2.72
18.417	0.00	0.05	0.141	0					2.71
18.500	0.00	0.05	0.140	0					2.71

18.583	0.00	0.05	0.140	0					2.71
18.667	0.00	0.05	0.140	0					2.70
18.750	0.00	0.05	0.139	0					2.70
18.833	0.00	0.05	0.139	0					2.69
18.917	0.00	0.05	0.139	0					2.69
19.000	0.00	0.05	0.138	0					2.68
19.083	0.00	0.05	0.138	0					2.68
19.167	0.00	0.05	0.138	0					2.67
19.250	0.00	0.05	0.137	0					2.67
19.333	0.00	0.04	0.137	0					2.66
19.417	0.00	0.04	0.137	0					2.66
19.500	0.00	0.04	0.137	0					2.66
19.583	0.00	0.04	0.136	0					2.65
19.667	0.00	0.04	0.136	0					2.65
19.750	0.00	0.04	0.136	0					2.64
19.833	0.00	0.04	0.135	0					2.64
19.917	0.00	0.04	0.135	0					2.63
20.000	0.00	0.04	0.135	0					2.63
20.083	0.00	0.04	0.134	0					2.62
20.167	0.00	0.04	0.134	0					2.62
20.250	0.00	0.04	0.134	0					2.61
20.333	0.00	0.04	0.133	0					2.61
20.417	0.00	0.04	0.133	0					2.61
20.500	0.00	0.04	0.133	0					2.60
20.583	0.00	0.04	0.133	0					2.60
20.667	0.00	0.04	0.132	0					2.59
20.750	0.00	0.04	0.132	0					2.59
20.833	0.00	0.04	0.132	0					2.58
20.917	0.00	0.04	0.131	0					2.58
21.000	0.00	0.04	0.131	0					2.57
21.083	0.00	0.04	0.131	0					2.57
21.167	0.00	0.04	0.130	0					2.57
21.250	0.00	0.04	0.130	0					2.56
21.333	0.00	0.04	0.130	0					2.56
21.417	0.00	0.04	0.130	0					2.55
21.500	0.00	0.04	0.129	0					2.55
21.583	0.00	0.04	0.129	0					2.54
21.667	0.00	0.04	0.129	0					2.54
21.750	0.00	0.04	0.128	0					2.53
21.833	0.00	0.04	0.128	0					2.53
21.917	0.00	0.04	0.128	0					2.53
22.000	0.00	0.04	0.127	0					2.52
22.083	0.00	0.04	0.127	0					2.52
22.167	0.00	0.04	0.127	0					2.51
22.250	0.00	0.04	0.127	0					2.51
22.333	0.00	0.04	0.126	0					2.50
22.417	0.00	0.04	0.126	0					2.50
22.500	0.00	0.04	0.126	0					2.49
22.583	0.00	0.04	0.125	0					2.49
22.667	0.00	0.04	0.125	0					2.49

22.750	0.00	0.04	0.125	0					2.48
22.833	0.00	0.04	0.124	0					2.48
22.917	0.00	0.04	0.124	0					2.47
23.000	0.00	0.04	0.124	0					2.47
23.083	0.00	0.04	0.124	0					2.46
23.167	0.00	0.04	0.123	0					2.46
23.250	0.00	0.04	0.123	0					2.45
23.333	0.00	0.04	0.123	0					2.45
23.417	0.00	0.04	0.122	0					2.45
23.500	0.00	0.04	0.122	0					2.44
23.583	0.00	0.04	0.122	0					2.44
23.667	0.00	0.04	0.121	0					2.43
23.750	0.00	0.04	0.121	0					2.43
23.833	0.00	0.04	0.121	0					2.42
23.917	0.00	0.04	0.121	0					2.42
24.000	0.00	0.04	0.120	0					2.42
24.083	0.00	0.04	0.120	0					2.41
24.167	0.00	0.04	0.120	0					2.41
24.250	0.00	0.04	0.119	0					2.40
24.333	0.00	0.04	0.119	0					2.40
24.417	0.00	0.04	0.119	0					2.39
24.500	0.00	0.04	0.119	0					2.39
24.583	0.00	0.04	0.118	0					2.39
24.667	0.00	0.04	0.118	0					2.38
24.750	0.00	0.04	0.118	0					2.38
24.833	0.00	0.04	0.117	0					2.37
24.917	0.00	0.04	0.117	0					2.37
25.000	0.00	0.04	0.117	0					2.36
25.083	0.00	0.04	0.116	0					2.36
25.167	0.00	0.04	0.116	0					2.36
25.250	0.00	0.04	0.116	0					2.35
25.333	0.00	0.04	0.116	0					2.35
25.417	0.00	0.04	0.115	0					2.34
25.500	0.00	0.04	0.115	0					2.34
25.583	0.00	0.04	0.115	0					2.33
25.667	0.00	0.04	0.114	0					2.33
25.750	0.00	0.04	0.114	0					2.33
25.833	0.00	0.04	0.114	0					2.32
25.917	0.00	0.04	0.114	0					2.32
26.000	0.00	0.04	0.113	0					2.31
26.083	0.00	0.04	0.113	0					2.31
26.167	0.00	0.04	0.113	0					2.30
26.250	0.00	0.04	0.112	0					2.30
26.333	0.00	0.04	0.112	0					2.30
26.417	0.00	0.04	0.112	0					2.29
26.500	0.00	0.04	0.112	0					2.29
26.583	0.00	0.04	0.111	0					2.28
26.667	0.00	0.04	0.111	0					2.28
26.750	0.00	0.04	0.111	0					2.27
26.833	0.00	0.04	0.110	0					2.27

26.917	0.00	0.04	0.110	0					2.27
27.000	0.00	0.04	0.110	0					2.26
27.083	0.00	0.04	0.110	0					2.26
27.167	0.00	0.04	0.109	0					2.25
27.250	0.00	0.04	0.109	0					2.25
27.333	0.00	0.04	0.109	0					2.25
27.417	0.00	0.04	0.108	0					2.24
27.500	0.00	0.04	0.108	0					2.24
27.583	0.00	0.04	0.108	0					2.23
27.667	0.00	0.04	0.108	0					2.23
27.750	0.00	0.04	0.107	0					2.22
27.833	0.00	0.04	0.107	0					2.22
27.917	0.00	0.04	0.107	0					2.22
28.000	0.00	0.04	0.106	0					2.21
28.083	0.00	0.04	0.106	0					2.21
28.167	0.00	0.04	0.106	0					2.20
28.250	0.00	0.04	0.106	0					2.20
28.333	0.00	0.04	0.105	0					2.20
28.417	0.00	0.04	0.105	0					2.19
28.500	0.00	0.04	0.105	0					2.19
28.583	0.00	0.04	0.104	0					2.18
28.667	0.00	0.04	0.104	0					2.18
28.750	0.00	0.04	0.104	0					2.18
28.833	0.00	0.04	0.104	0					2.17
28.917	0.00	0.04	0.103	0					2.17
29.000	0.00	0.04	0.103	0					2.16
29.083	0.00	0.04	0.103	0					2.16
29.167	0.00	0.04	0.103	0					2.15
29.250	0.00	0.04	0.102	0					2.15
29.333	0.00	0.04	0.102	0					2.15
29.417	0.00	0.04	0.102	0					2.14
29.500	0.00	0.04	0.101	0					2.14
29.583	0.00	0.04	0.101	0					2.13
29.667	0.00	0.04	0.101	0					2.13
29.750	0.00	0.04	0.101	0					2.13
29.833	0.00	0.04	0.100	0					2.12
29.917	0.00	0.04	0.100	0					2.12
30.000	0.00	0.04	0.100	0					2.11
30.083	0.00	0.04	0.099	0					2.11
30.167	0.00	0.04	0.099	0					2.11
30.250	0.00	0.04	0.099	0					2.10
30.333	0.00	0.04	0.099	0					2.10
30.417	0.00	0.04	0.098	0					2.09
30.500	0.00	0.04	0.098	0					2.09
30.583	0.00	0.04	0.098	0					2.09
30.667	0.00	0.04	0.098	0					2.08
30.750	0.00	0.04	0.097	0					2.08
30.833	0.00	0.04	0.097	0					2.07
30.917	0.00	0.04	0.097	0					2.07
31.000	0.00	0.04	0.096	0					2.07

31.083	0.00	0.04	0.096	0					2.06
31.167	0.00	0.04	0.096	0					2.06
31.250	0.00	0.04	0.096	0					2.05
31.333	0.00	0.04	0.095	0					2.05
31.417	0.00	0.04	0.095	0					2.05
31.500	0.00	0.04	0.095	0					2.04
31.583	0.00	0.04	0.095	0					2.04
31.667	0.00	0.04	0.094	0					2.03
31.750	0.00	0.04	0.094	0					2.03
31.833	0.00	0.04	0.094	0					2.03
31.917	0.00	0.04	0.093	0					2.02
32.000	0.00	0.04	0.093	0					2.02
32.083	0.00	0.04	0.093	0					2.01
32.167	0.00	0.04	0.093	0					2.01
32.250	0.00	0.04	0.092	0					2.01
32.333	0.00	0.04	0.092	0					2.00
32.417	0.00	0.04	0.092	0					2.00
32.500	0.00	0.04	0.092	0					1.99
32.583	0.00	0.04	0.091	0					1.99
32.667	0.00	0.04	0.091	0					1.98
32.750	0.00	0.04	0.091	0					1.98
32.833	0.00	0.04	0.091	0					1.97
32.917	0.00	0.04	0.090	0					1.97
33.000	0.00	0.04	0.090	0					1.96
33.083	0.00	0.04	0.090	0					1.96
33.167	0.00	0.04	0.089	0					1.96
33.250	0.00	0.04	0.089	0					1.95
33.333	0.00	0.04	0.089	0					1.95
33.417	0.00	0.04	0.089	0					1.94
33.500	0.00	0.04	0.088	0					1.94
33.583	0.00	0.04	0.088	0					1.93
33.667	0.00	0.04	0.088	0					1.93
33.750	0.00	0.04	0.088	0					1.92
33.833	0.00	0.04	0.087	0					1.92
33.917	0.00	0.04	0.087	0					1.91
34.000	0.00	0.04	0.087	0					1.91
34.083	0.00	0.04	0.087	0					1.90
34.167	0.00	0.04	0.086	0					1.90
34.250	0.00	0.04	0.086	0					1.90
34.333	0.00	0.04	0.086	0					1.89
34.417	0.00	0.04	0.086	0					1.89
34.500	0.00	0.04	0.085	0					1.88
34.583	0.00	0.04	0.085	0					1.88
34.667	0.00	0.04	0.085	0					1.87
34.750	0.00	0.04	0.084	0					1.87
34.833	0.00	0.04	0.084	0					1.86
34.917	0.00	0.04	0.084	0					1.86
35.000	0.00	0.04	0.084	0					1.85
35.083	0.00	0.04	0.083	0					1.85
35.167	0.00	0.04	0.083	0					1.85

35.250	0.00	0.04	0.083	0					1.84
35.333	0.00	0.04	0.083	0					1.84
35.417	0.00	0.04	0.082	0					1.83
35.500	0.00	0.04	0.082	0					1.83
35.583	0.00	0.04	0.082	0					1.82
35.667	0.00	0.04	0.082	0					1.82
35.750	0.00	0.04	0.081	0					1.81
35.833	0.00	0.04	0.081	0					1.81
35.917	0.00	0.04	0.081	0					1.81
36.000	0.00	0.04	0.081	0					1.80
36.083	0.00	0.04	0.080	0					1.80
36.167	0.00	0.04	0.080	0					1.79
36.250	0.00	0.04	0.080	0					1.79
36.333	0.00	0.04	0.080	0					1.78
36.417	0.00	0.04	0.079	0					1.78
36.500	0.00	0.04	0.079	0					1.77
36.583	0.00	0.04	0.079	0					1.77
36.667	0.00	0.04	0.079	0					1.77
36.750	0.00	0.04	0.078	0					1.76
36.833	0.00	0.04	0.078	0					1.76
36.917	0.00	0.04	0.078	0					1.75
37.000	0.00	0.04	0.078	0					1.75
37.083	0.00	0.04	0.077	0					1.74
37.167	0.00	0.04	0.077	0					1.74
37.250	0.00	0.04	0.077	0					1.73
37.333	0.00	0.04	0.077	0					1.73
37.417	0.00	0.04	0.076	0					1.73
37.500	0.00	0.04	0.076	0					1.72
37.583	0.00	0.04	0.076	0					1.72
37.667	0.00	0.04	0.076	0					1.71
37.750	0.00	0.04	0.075	0					1.71
37.833	0.00	0.04	0.075	0					1.70
37.917	0.00	0.04	0.075	0					1.70
38.000	0.00	0.04	0.075	0					1.70
38.083	0.00	0.04	0.074	0					1.69
38.167	0.00	0.04	0.074	0					1.69
38.250	0.00	0.04	0.074	0					1.68
38.333	0.00	0.04	0.074	0					1.68
38.417	0.00	0.04	0.073	0					1.67
38.500	0.00	0.04	0.073	0					1.67
38.583	0.00	0.04	0.073	0					1.67
38.667	0.00	0.04	0.073	0					1.66
38.750	0.00	0.04	0.072	0					1.66
38.833	0.00	0.04	0.072	0					1.65
38.917	0.00	0.04	0.072	0					1.65
39.000	0.00	0.04	0.072	0					1.64
39.083	0.00	0.04	0.071	0					1.64
39.167	0.00	0.03	0.071	0					1.64
39.250	0.00	0.03	0.071	0					1.63
39.333	0.00	0.03	0.071	0					1.63

39.417	0.00	0.03	0.071	0					1.62
39.500	0.00	0.03	0.070	0					1.62
39.583	0.00	0.03	0.070	0					1.61
39.667	0.00	0.03	0.070	0					1.61
39.750	0.00	0.03	0.070	0					1.61
39.833	0.00	0.03	0.069	0					1.60
39.917	0.00	0.03	0.069	0					1.60
40.000	0.00	0.03	0.069	0					1.59
40.083	0.00	0.03	0.069	0					1.59
40.167	0.00	0.03	0.068	0					1.59
40.250	0.00	0.03	0.068	0					1.58
40.333	0.00	0.03	0.068	0					1.58
40.417	0.00	0.03	0.068	0					1.57
40.500	0.00	0.03	0.067	0					1.57
40.583	0.00	0.03	0.067	0					1.56
40.667	0.00	0.03	0.067	0					1.56
40.750	0.00	0.03	0.067	0					1.56
40.833	0.00	0.03	0.066	0					1.55
40.917	0.00	0.03	0.066	0					1.55
41.000	0.00	0.03	0.066	0					1.54
41.083	0.00	0.03	0.066	0					1.54
41.167	0.00	0.03	0.066	0					1.54
41.250	0.00	0.03	0.065	0					1.53
41.333	0.00	0.03	0.065	0					1.53
41.417	0.00	0.03	0.065	0					1.52
41.500	0.00	0.03	0.065	0					1.52
41.583	0.00	0.03	0.064	0					1.52
41.667	0.00	0.03	0.064	0					1.51
41.750	0.00	0.03	0.064	0					1.51
41.833	0.00	0.03	0.064	0					1.50
41.917	0.00	0.03	0.063	0					1.50
42.000	0.00	0.03	0.063	0					1.50
42.083	0.00	0.03	0.063	0					1.49
42.167	0.00	0.03	0.063	0					1.49
42.250	0.00	0.03	0.063	0					1.48
42.333	0.00	0.03	0.062	0					1.48
42.417	0.00	0.03	0.062	0					1.48
42.500	0.00	0.03	0.062	0					1.47
42.583	0.00	0.03	0.062	0					1.47
42.667	0.00	0.03	0.061	0					1.46
42.750	0.00	0.03	0.061	0					1.46
42.833	0.00	0.03	0.061	0					1.46
42.917	0.00	0.03	0.061	0					1.45
43.000	0.00	0.03	0.060	0					1.45
43.083	0.00	0.03	0.060	0					1.44
43.167	0.00	0.03	0.060	0					1.44
43.250	0.00	0.03	0.060	0					1.44
43.333	0.00	0.03	0.060	0					1.43
43.417	0.00	0.03	0.059	0					1.43
43.500	0.00	0.03	0.059	0					1.42

43.583	0.00	0.03	0.059	0					1.42
43.667	0.00	0.03	0.059	0					1.42
43.750	0.00	0.03	0.058	0					1.41
43.833	0.00	0.03	0.058	0					1.41
43.917	0.00	0.03	0.058	0					1.40
44.000	0.00	0.03	0.058	0					1.40
44.083	0.00	0.03	0.058	0					1.40
44.167	0.00	0.03	0.057	0					1.39
44.250	0.00	0.03	0.057	0					1.39
44.333	0.00	0.03	0.057	0					1.38
44.417	0.00	0.03	0.057	0					1.38
44.500	0.00	0.03	0.056	0					1.38
44.583	0.00	0.03	0.056	0					1.37
44.667	0.00	0.03	0.056	0					1.37
44.750	0.00	0.03	0.056	0					1.36
44.833	0.00	0.03	0.056	0					1.36
44.917	0.00	0.03	0.055	0					1.36
45.000	0.00	0.03	0.055	0					1.35
45.083	0.00	0.03	0.055	0					1.35
45.167	0.00	0.03	0.055	0					1.35
45.250	0.00	0.03	0.054	0					1.34
45.333	0.00	0.03	0.054	0					1.34
45.417	0.00	0.03	0.054	0					1.33
45.500	0.00	0.03	0.054	0					1.33
45.583	0.00	0.03	0.054	0					1.33
45.667	0.00	0.03	0.053	0					1.32
45.750	0.00	0.03	0.053	0					1.32
45.833	0.00	0.03	0.053	0					1.32
45.917	0.00	0.03	0.053	0					1.31
46.000	0.00	0.03	0.053	0					1.31
46.083	0.00	0.03	0.052	0					1.30
46.167	0.00	0.03	0.052	0					1.30
46.250	0.00	0.03	0.052	0					1.30
46.333	0.00	0.03	0.052	0					1.29
46.417	0.00	0.03	0.051	0					1.29
46.500	0.00	0.03	0.051	0					1.28
46.583	0.00	0.03	0.051	0					1.28
46.667	0.00	0.03	0.051	0					1.28
46.750	0.00	0.03	0.051	0					1.27
46.833	0.00	0.03	0.050	0					1.27
46.917	0.00	0.03	0.050	0					1.27
47.000	0.00	0.03	0.050	0					1.26
47.083	0.00	0.03	0.050	0					1.26
47.167	0.00	0.03	0.050	0					1.25
47.250	0.00	0.03	0.049	0					1.25
47.333	0.00	0.03	0.049	0					1.25
47.417	0.00	0.03	0.049	0					1.24
47.500	0.00	0.03	0.049	0					1.24
47.583	0.00	0.03	0.048	0					1.24
47.667	0.00	0.03	0.048	0					1.23

47.750	0.00	0.03	0.048	0					1.23
47.833	0.00	0.03	0.048	0					1.23
47.917	0.00	0.03	0.048	0					1.22
48.000	0.00	0.03	0.047	0					1.22
48.083	0.00	0.03	0.047	0					1.21
48.167	0.00	0.03	0.047	0					1.21
48.250	0.00	0.03	0.047	0					1.21
48.333	0.00	0.03	0.047	0					1.20
48.417	0.00	0.03	0.046	0					1.20
48.500	0.00	0.03	0.046	0					1.20
48.583	0.00	0.03	0.046	0					1.19
48.667	0.00	0.03	0.046	0					1.19
48.750	0.00	0.03	0.046	0					1.19
48.833	0.00	0.03	0.045	0					1.18
48.917	0.00	0.03	0.045	0					1.18
49.000	0.00	0.03	0.045	0					1.17
49.083	0.00	0.03	0.045	0					1.17
49.167	0.00	0.03	0.045	0					1.17
49.250	0.00	0.03	0.044	0					1.16
49.333	0.00	0.03	0.044	0					1.16
49.417	0.00	0.03	0.044	0					1.16
49.500	0.00	0.03	0.044	0					1.15
49.583	0.00	0.03	0.043	0					1.15
49.667	0.00	0.03	0.043	0					1.15
49.750	0.00	0.03	0.043	0					1.14
49.833	0.00	0.03	0.043	0					1.14
49.917	0.00	0.03	0.043	0					1.13
50.000	0.00	0.03	0.042	0					1.13
50.083	0.00	0.03	0.042	0					1.13
50.167	0.00	0.03	0.042	0					1.12
50.250	0.00	0.03	0.042	0					1.12
50.333	0.00	0.03	0.042	0					1.12
50.417	0.00	0.03	0.041	0					1.11
50.500	0.00	0.03	0.041	0					1.11
50.583	0.00	0.03	0.041	0					1.11
50.667	0.00	0.03	0.041	0					1.10
50.750	0.00	0.03	0.041	0					1.10
50.833	0.00	0.03	0.040	0					1.10
50.917	0.00	0.03	0.040	0					1.09
51.000	0.00	0.03	0.040	0					1.09
51.083	0.00	0.03	0.040	0					1.09
51.167	0.00	0.03	0.040	0					1.08
51.250	0.00	0.03	0.039	0					1.08
51.333	0.00	0.03	0.039	0					1.07
51.417	0.00	0.03	0.039	0					1.07
51.500	0.00	0.03	0.039	0					1.07
51.583	0.00	0.03	0.039	0					1.06
51.667	0.00	0.03	0.038	0					1.06
51.750	0.00	0.03	0.038	0					1.06
51.833	0.00	0.03	0.038	0					1.05

51.917	0.00	0.03	0.038	0					1.05
52.000	0.00	0.03	0.038	0					1.05
52.083	0.00	0.03	0.037	0					1.04
52.167	0.00	0.03	0.037	0					1.04
52.250	0.00	0.03	0.037	0					1.04
52.333	0.00	0.03	0.037	0					1.03
52.417	0.00	0.03	0.037	0					1.03
52.500	0.00	0.03	0.037	0					1.03
52.583	0.00	0.03	0.036	0					1.02
52.667	0.00	0.03	0.036	0					1.02
52.750	0.00	0.03	0.036	0					1.02
52.833	0.00	0.03	0.036	0					1.01
52.917	0.00	0.03	0.036	0					1.01
53.000	0.00	0.03	0.035	0					1.01
53.083	0.00	0.03	0.035	0					1.00
53.167	0.00	0.03	0.035	0					1.00
53.250	0.00	0.03	0.035	0					0.99
53.333	0.00	0.03	0.035	0					0.99
53.417	0.00	0.03	0.034	0					0.98
53.500	0.00	0.03	0.034	0					0.98
53.583	0.00	0.03	0.034	0					0.97
53.667	0.00	0.03	0.034	0					0.97
53.750	0.00	0.03	0.034	0					0.96
53.833	0.00	0.03	0.033	0					0.96
53.917	0.00	0.03	0.033	0					0.95
54.000	0.00	0.03	0.033	0					0.95
54.083	0.00	0.03	0.033	0					0.94
54.167	0.00	0.03	0.033	0					0.94
54.250	0.00	0.03	0.033	0					0.93
54.333	0.00	0.03	0.032	0					0.93
54.417	0.00	0.03	0.032	0					0.92
54.500	0.00	0.03	0.032	0					0.92
54.583	0.00	0.03	0.032	0					0.91
54.667	0.00	0.03	0.032	0					0.91
54.750	0.00	0.03	0.031	0					0.90
54.833	0.00	0.03	0.031	0					0.90
54.917	0.00	0.03	0.031	0					0.89
55.000	0.00	0.03	0.031	0					0.89
55.083	0.00	0.03	0.031	0					0.88
55.167	0.00	0.03	0.031	0					0.88
55.250	0.00	0.02	0.030	0					0.87
55.333	0.00	0.02	0.030	0					0.87
55.417	0.00	0.02	0.030	0					0.87
55.500	0.00	0.02	0.030	0					0.86
55.583	0.00	0.02	0.030	0					0.86
55.667	0.00	0.02	0.030	0					0.85
55.750	0.00	0.02	0.029	0					0.85
55.833	0.00	0.02	0.029	0					0.84
55.917	0.00	0.02	0.029	0					0.84
56.000	0.00	0.02	0.029	0					0.83

56.083	0.00	0.02	0.029	0					0.83
56.167	0.00	0.02	0.029	0					0.82
56.250	0.00	0.02	0.028	0					0.82
56.333	0.00	0.02	0.028	0					0.82
56.417	0.00	0.02	0.028	0					0.81
56.500	0.00	0.02	0.028	0					0.81
56.583	0.00	0.02	0.028	0					0.80
56.667	0.00	0.02	0.028	0					0.80
56.750	0.00	0.02	0.027	0					0.79
56.833	0.00	0.02	0.027	0					0.79
56.917	0.00	0.02	0.027	0					0.79
57.000	0.00	0.02	0.027	0					0.78
57.083	0.00	0.02	0.027	0					0.78
57.167	0.00	0.02	0.027	0					0.77
57.250	0.00	0.02	0.027	0					0.77
57.333	0.00	0.02	0.026	0					0.76
57.417	0.00	0.02	0.026	0					0.76
57.500	0.00	0.02	0.026	0					0.76
57.583	0.00	0.02	0.026	0					0.75
57.667	0.00	0.02	0.026	0					0.75
57.750	0.00	0.02	0.026	0					0.74
57.833	0.00	0.02	0.025	0					0.74
57.917	0.00	0.02	0.025	0					0.74
58.000	0.00	0.02	0.025	0					0.73
58.083	0.00	0.02	0.025	0					0.73
58.167	0.00	0.02	0.025	0					0.72
58.250	0.00	0.02	0.025	0					0.72
58.333	0.00	0.02	0.025	0					0.72
58.417	0.00	0.02	0.024	0					0.71
58.500	0.00	0.02	0.024	0					0.71
58.583	0.00	0.02	0.024	0					0.70
58.667	0.00	0.02	0.024	0					0.70
58.750	0.00	0.02	0.024	0					0.70
58.833	0.00	0.02	0.024	0					0.69
58.917	0.00	0.02	0.024	0					0.69
59.000	0.00	0.02	0.023	0					0.68
59.083	0.00	0.02	0.023	0					0.68
59.167	0.00	0.02	0.023	0					0.68
59.250	0.00	0.02	0.023	0					0.67
59.333	0.00	0.02	0.023	0					0.67
59.417	0.00	0.02	0.023	0					0.67
59.500	0.00	0.02	0.023	0					0.66
59.583	0.00	0.02	0.022	0					0.66
59.667	0.00	0.02	0.022	0					0.65
59.750	0.00	0.02	0.022	0					0.65
59.833	0.00	0.02	0.022	0					0.65
59.917	0.00	0.02	0.022	0					0.64
60.000	0.00	0.02	0.022	0					0.64
60.083	0.00	0.02	0.022	0					0.64
60.167	0.00	0.02	0.022	0					0.63

60.250	0.00	0.02	0.021	0					0.63
60.333	0.00	0.02	0.021	0					0.63
60.417	0.00	0.02	0.021	0					0.62
60.500	0.00	0.02	0.021	0					0.62
60.583	0.00	0.02	0.021	0					0.62
60.667	0.00	0.02	0.021	0					0.61
60.750	0.00	0.02	0.021	0					0.61
60.833	0.00	0.02	0.021	0					0.60
60.917	0.00	0.02	0.020	0					0.60
61.000	0.00	0.02	0.020	0					0.60
61.083	0.00	0.02	0.020	0					0.59
61.167	0.00	0.02	0.020	0					0.59
61.250	0.00	0.02	0.020	0					0.59
61.333	0.00	0.02	0.020	0					0.58
61.417	0.00	0.02	0.020	0					0.58
61.500	0.00	0.02	0.020	0					0.58
61.583	0.00	0.02	0.019	0					0.57
61.667	0.00	0.02	0.019	0					0.57
61.750	0.00	0.02	0.019	0					0.57
61.833	0.00	0.02	0.019	0					0.56
61.917	0.00	0.02	0.019	0					0.56
62.000	0.00	0.02	0.019	0					0.56
62.083	0.00	0.02	0.019	0					0.55
62.167	0.00	0.02	0.019	0					0.55
62.250	0.00	0.02	0.018	0					0.55
62.333	0.00	0.02	0.018	0					0.55
62.417	0.00	0.02	0.018	0					0.54
62.500	0.00	0.02	0.018	0					0.54
62.583	0.00	0.02	0.018	0					0.54
62.667	0.00	0.02	0.018	0					0.53
62.750	0.00	0.02	0.018	0					0.53
62.833	0.00	0.02	0.018	0					0.53
62.917	0.00	0.02	0.018	0					0.52
63.000	0.00	0.02	0.017	0					0.52
63.083	0.00	0.02	0.017	0					0.52
63.167	0.00	0.02	0.017	0					0.51
63.250	0.00	0.02	0.017	0					0.51
63.333	0.00	0.02	0.017	0					0.51
63.417	0.00	0.02	0.017	0					0.51
63.500	0.00	0.02	0.017	0					0.50
63.583	0.00	0.02	0.017	0					0.50
63.667	0.00	0.02	0.017	0					0.50
63.750	0.00	0.02	0.016	0					0.49
63.833	0.00	0.02	0.016	0					0.49
63.917	0.00	0.02	0.016	0					0.49
64.000	0.00	0.02	0.016	0					0.48
64.083	0.00	0.02	0.016	0					0.48
64.167	0.00	0.02	0.016	0					0.48
64.250	0.00	0.02	0.016	0					0.48
64.333	0.00	0.02	0.016	0					0.47

64.417	0.00	0.02	0.016	0					0.47
64.500	0.00	0.01	0.015	0					0.47
64.583	0.00	0.01	0.015	0					0.46
64.667	0.00	0.01	0.015	0					0.46
64.750	0.00	0.01	0.015	0					0.46
64.833	0.00	0.01	0.015	0					0.46
64.917	0.00	0.01	0.015	0					0.45
65.000	0.00	0.01	0.015	0					0.45
65.083	0.00	0.01	0.015	0					0.45
65.167	0.00	0.01	0.015	0					0.45
65.250	0.00	0.01	0.015	0					0.44
65.333	0.00	0.01	0.014	0					0.44
65.417	0.00	0.01	0.014	0					0.44
65.500	0.00	0.01	0.014	0					0.43
65.583	0.00	0.01	0.014	0					0.43
65.667	0.00	0.01	0.014	0					0.43
65.750	0.00	0.01	0.014	0					0.43
65.833	0.00	0.01	0.014	0					0.42
65.917	0.00	0.01	0.014	0					0.42
66.000	0.00	0.01	0.014	0					0.42
66.083	0.00	0.01	0.014	0					0.42
66.167	0.00	0.01	0.014	0					0.41
66.250	0.00	0.01	0.013	0					0.41
66.333	0.00	0.01	0.013	0					0.41
66.417	0.00	0.01	0.013	0					0.41
66.500	0.00	0.01	0.013	0					0.40
66.583	0.00	0.01	0.013	0					0.40
66.667	0.00	0.01	0.013	0					0.40
66.750	0.00	0.01	0.013	0					0.40
66.833	0.00	0.01	0.013	0					0.39
66.917	0.00	0.01	0.013	0					0.39
67.000	0.00	0.01	0.013	0					0.39
67.083	0.00	0.01	0.012	0					0.39
67.167	0.00	0.01	0.012	0					0.38
67.250	0.00	0.01	0.012	0					0.38
67.333	0.00	0.01	0.012	0					0.38
67.417	0.00	0.01	0.012	0					0.38
67.500	0.00	0.01	0.012	0					0.37
67.583	0.00	0.01	0.012	0					0.37
67.667	0.00	0.01	0.012	0					0.37
67.750	0.00	0.01	0.012	0					0.37
67.833	0.00	0.01	0.012	0					0.36
67.917	0.00	0.01	0.012	0					0.36
68.000	0.00	0.01	0.012	0					0.36
68.083	0.00	0.01	0.011	0					0.36
68.167	0.00	0.01	0.011	0					0.36
68.250	0.00	0.01	0.011	0					0.35
68.333	0.00	0.01	0.011	0					0.35
68.417	0.00	0.01	0.011	0					0.35
68.500	0.00	0.01	0.011	0					0.35

68.583	0.00	0.01	0.011	0					0.34
68.667	0.00	0.01	0.011	0					0.34
68.750	0.00	0.01	0.011	0					0.34
68.833	0.00	0.01	0.011	0					0.34
68.917	0.00	0.01	0.011	0					0.34
69.000	0.00	0.01	0.011	0					0.33
69.083	0.00	0.01	0.010	0					0.33
69.167	0.00	0.01	0.010	0					0.33
69.250	0.00	0.01	0.010	0					0.33
69.333	0.00	0.01	0.010	0					0.32
69.417	0.00	0.01	0.010	0					0.32
69.500	0.00	0.01	0.010	0					0.32
69.583	0.00	0.01	0.010	0					0.32
69.667	0.00	0.01	0.010	0					0.32
69.750	0.00	0.01	0.010	0					0.31
69.833	0.00	0.01	0.010	0					0.31
69.917	0.00	0.01	0.010	0					0.31
70.000	0.00	0.01	0.010	0					0.31
70.083	0.00	0.01	0.010	0					0.31
70.167	0.00	0.01	0.009	0					0.30
70.250	0.00	0.01	0.009	0					0.30
70.333	0.00	0.01	0.009	0					0.30
70.417	0.00	0.01	0.009	0					0.30
70.500	0.00	0.01	0.009	0					0.29
70.583	0.00	0.01	0.009	0					0.29
70.667	0.00	0.01	0.009	0					0.29
70.750	0.00	0.01	0.009	0					0.29
70.833	0.00	0.01	0.009	0					0.29
70.917	0.00	0.01	0.009	0					0.28
71.000	0.00	0.01	0.009	0					0.28
71.083	0.00	0.01	0.009	0					0.28
71.167	0.00	0.01	0.009	0					0.28
71.250	0.00	0.01	0.008	0					0.28
71.333	0.00	0.01	0.008	0					0.28
71.417	0.00	0.01	0.008	0					0.27
71.500	0.00	0.01	0.008	0					0.27
71.583	0.00	0.01	0.008	0					0.27
71.667	0.00	0.01	0.008	0					0.27
71.750	0.00	0.01	0.008	0					0.27
71.833	0.00	0.01	0.008	0					0.26
71.917	0.00	0.01	0.008	0					0.26
72.000	0.00	0.01	0.008	0					0.26
72.083	0.00	0.01	0.008	0					0.26
72.167	0.00	0.01	0.008	0					0.26
72.250	0.00	0.01	0.008	0					0.25
72.333	0.00	0.01	0.008	0					0.25
72.417	0.00	0.01	0.008	0					0.25
72.500	0.00	0.01	0.007	0					0.25
72.583	0.00	0.01	0.007	0					0.25
72.667	0.00	0.01	0.007	0					0.25

72.750	0.00	0.01	0.007	0					0.24
72.833	0.00	0.01	0.007	0					0.24
72.917	0.00	0.01	0.007	0					0.24
73.000	0.00	0.01	0.007	0					0.24
73.083	0.00	0.01	0.007	0					0.24
73.167	0.00	0.01	0.007	0					0.23
73.250	0.00	0.01	0.007	0					0.23
73.333	0.00	0.01	0.007	0					0.23
73.417	0.00	0.01	0.007	0					0.23
73.500	0.00	0.01	0.007	0					0.23
73.583	0.00	0.01	0.007	0					0.23
73.667	0.00	0.01	0.007	0					0.22
73.750	0.00	0.01	0.006	0					0.22
73.833	0.00	0.01	0.006	0					0.22
73.917	0.00	0.01	0.006	0					0.22
74.000	0.00	0.01	0.006	0					0.22
74.083	0.00	0.01	0.006	0					0.22
74.167	0.00	0.01	0.006	0					0.21
74.250	0.00	0.01	0.006	0					0.21
74.333	0.00	0.01	0.006	0					0.21
74.417	0.00	0.01	0.006	0					0.21
74.500	0.00	0.01	0.006	0					0.21
74.583	0.00	0.01	0.006	0					0.21
74.667	0.00	0.01	0.006	0					0.20
74.750	0.00	0.01	0.006	0					0.20
74.833	0.00	0.01	0.006	0					0.20
74.917	0.00	0.01	0.006	0					0.20
75.000	0.00	0.01	0.006	0					0.20
75.083	0.00	0.01	0.006	0					0.20
75.167	0.00	0.01	0.005	0					0.20
75.250	0.00	0.01	0.005	0					0.19
75.333	0.00	0.01	0.005	0					0.19
75.417	0.00	0.01	0.005	0					0.19
75.500	0.00	0.01	0.005	0					0.19
75.583	0.00	0.01	0.005	0					0.19
75.667	0.00	0.01	0.005	0					0.19
75.750	0.00	0.01	0.005	0					0.18
75.833	0.00	0.01	0.005	0					0.18
75.917	0.00	0.01	0.005	0					0.18
76.000	0.00	0.01	0.005	0					0.18
76.083	0.00	0.01	0.005	0					0.18
76.167	0.00	0.01	0.005	0					0.18
76.250	0.00	0.01	0.005	0					0.18
76.333	0.00	0.01	0.005	0					0.17
76.417	0.00	0.01	0.005	0					0.17
76.500	0.00	0.01	0.005	0					0.17
76.583	0.00	0.01	0.005	0					0.17
76.667	0.00	0.01	0.004	0					0.17
76.750	0.00	0.01	0.004	0					0.17
76.833	0.00	0.01	0.004	0					0.17

76.917	0.00	0.01	0.004	0					0.16
77.000	0.00	0.01	0.004	0					0.16
77.083	0.00	0.01	0.004	0					0.16
77.167	0.00	0.01	0.004	0					0.16
77.250	0.00	0.01	0.004	0					0.16
77.333	0.00	0.01	0.004	0					0.16
77.417	0.00	0.01	0.004	0					0.16
77.500	0.00	0.01	0.004	0					0.15
77.583	0.00	0.01	0.004	0					0.15
77.667	0.00	0.01	0.004	0					0.15
77.750	0.00	0.01	0.004	0					0.15
77.833	0.00	0.01	0.004	0					0.15
77.917	0.00	0.01	0.004	0					0.15
78.000	0.00	0.01	0.004	0					0.15
78.083	0.00	0.01	0.004	0					0.14
78.167	0.00	0.01	0.004	0					0.14
78.250	0.00	0.01	0.004	0					0.14
78.333	0.00	0.01	0.003	0					0.14
78.417	0.00	0.01	0.003	0					0.14
78.500	0.00	0.01	0.003	0					0.14
78.583	0.00	0.01	0.003	0					0.14
78.667	0.00	0.01	0.003	0					0.14
78.750	0.00	0.01	0.003	0					0.13
78.833	0.00	0.01	0.003	0					0.13
78.917	0.00	0.01	0.003	0					0.13
79.000	0.00	0.01	0.003	0					0.13
79.083	0.00	0.01	0.003	0					0.13
79.167	0.00	0.01	0.003	0					0.13
79.250	0.00	0.01	0.003	0					0.13
79.333	0.00	0.01	0.003	0					0.13
79.417	0.00	0.01	0.003	0					0.12
79.500	0.00	0.01	0.003	0					0.12
79.583	0.00	0.01	0.003	0					0.12
79.667	0.00	0.01	0.003	0					0.12
79.750	0.00	0.01	0.003	0					0.12
79.833	0.00	0.01	0.003	0					0.12
79.917	0.00	0.01	0.003	0					0.12
80.000	0.00	0.01	0.003	0					0.12
80.083	0.00	0.01	0.003	0					0.11
80.167	0.00	0.01	0.002	0					0.11
80.250	0.00	0.01	0.002	0					0.11
80.333	0.00	0.01	0.002	0					0.11
80.417	0.00	0.01	0.002	0					0.11
80.500	0.00	0.01	0.002	0					0.11
80.583	0.00	0.01	0.002	0					0.11
80.667	0.00	0.01	0.002	0					0.11
80.750	0.00	0.01	0.002	0					0.10
80.833	0.00	0.01	0.002	0					0.10
80.917	0.00	0.01	0.002	0					0.10
81.000	0.00	0.01	0.002	0					0.10

81.083	0.00	0.01	0.002	0					0.10
81.167	0.00	0.01	0.002	0					0.10
81.250	0.00	0.01	0.002	0					0.10
81.333	0.00	0.01	0.002	0					0.09
81.417	0.00	0.01	0.002	0					0.09
81.500	0.00	0.01	0.002	0					0.09
81.583	0.00	0.01	0.002	0					0.09
81.667	0.00	0.01	0.002	0					0.09
81.750	0.00	0.01	0.002	0					0.09
81.833	0.00	0.01	0.002	0					0.08
81.917	0.00	0.00	0.002	0					0.08
82.000	0.00	0.00	0.002	0					0.08
82.083	0.00	0.00	0.002	0					0.08
82.167	0.00	0.00	0.002	0					0.08
82.250	0.00	0.00	0.002	0					0.08
82.333	0.00	0.00	0.001	0					0.07
82.417	0.00	0.00	0.001	0					0.07
82.500	0.00	0.00	0.001	0					0.07
82.583	0.00	0.00	0.001	0					0.07
82.667	0.00	0.00	0.001	0					0.07
82.750	0.00	0.00	0.001	0					0.07
82.833	0.00	0.00	0.001	0					0.07
82.917	0.00	0.00	0.001	0					0.06
83.000	0.00	0.00	0.001	0					0.06
83.083	0.00	0.00	0.001	0					0.06
83.167	0.00	0.00	0.001	0					0.06
83.250	0.00	0.00	0.001	0					0.06
83.333	0.00	0.00	0.001	0					0.06
83.417	0.00	0.00	0.001	0					0.06
83.500	0.00	0.00	0.001	0					0.06
83.583	0.00	0.00	0.001	0					0.05
83.667	0.00	0.00	0.001	0					0.05
83.750	0.00	0.00	0.001	0					0.05
83.833	0.00	0.00	0.001	0					0.05
83.917	0.00	0.00	0.001	0					0.05
84.000	0.00	0.00	0.001	0					0.05
84.083	0.00	0.00	0.001	0					0.05
84.167	0.00	0.00	0.001	0					0.05
84.250	0.00	0.00	0.001	0					0.05
84.333	0.00	0.00	0.001	0					0.04
84.417	0.00	0.00	0.001	0					0.04
84.500	0.00	0.00	0.001	0					0.04
84.583	0.00	0.00	0.001	0					0.04
84.667	0.00	0.00	0.001	0					0.04
84.750	0.00	0.00	0.001	0					0.04
84.833	0.00	0.00	0.001	0					0.04
84.917	0.00	0.00	0.001	0					0.04
85.000	0.00	0.00	0.001	0					0.04
85.083	0.00	0.00	0.001	0					0.04
85.167	0.00	0.00	0.001	0					0.04

85.250	0.00	0.00	0.001	0					0.04
85.333	0.00	0.00	0.001	0					0.04
85.417	0.00	0.00	0.001	0					0.03
85.500	0.00	0.00	0.001	0					0.03
85.583	0.00	0.00	0.001	0					0.03
85.667	0.00	0.00	0.001	0					0.03
85.750	0.00	0.00	0.001	0					0.03
85.833	0.00	0.00	0.001	0					0.03
85.917	0.00	0.00	0.001	0					0.03
86.000	0.00	0.00	0.001	0					0.03
86.083	0.00	0.00	0.001	0					0.03
86.167	0.00	0.00	0.001	0					0.03
86.250	0.00	0.00	0.001	0					0.03
86.333	0.00	0.00	0.001	0					0.03
86.417	0.00	0.00	0.001	0					0.03
86.500	0.00	0.00	0.001	0					0.03
86.583	0.00	0.00	0.001	0					0.03
86.667	0.00	0.00	0.001	0					0.03
86.750	0.00	0.00	0.000	0					0.02
86.833	0.00	0.00	0.000	0					0.02
86.917	0.00	0.00	0.000	0					0.02
87.000	0.00	0.00	0.000	0					0.02
87.083	0.00	0.00	0.000	0					0.02
87.167	0.00	0.00	0.000	0					0.02
87.250	0.00	0.00	0.000	0					0.02
87.333	0.00	0.00	0.000	0					0.02
87.417	0.00	0.00	0.000	0					0.02
87.500	0.00	0.00	0.000	0					0.02
87.583	0.00	0.00	0.000	0					0.02
87.667	0.00	0.00	0.000	0					0.02
87.750	0.00	0.00	0.000	0					0.02
87.833	0.00	0.00	0.000	0					0.02
87.917	0.00	0.00	0.000	0					0.02
88.000	0.00	0.00	0.000	0					0.02
88.083	0.00	0.00	0.000	0					0.02
88.167	0.00	0.00	0.000	0					0.02
88.250	0.00	0.00	0.000	0					0.02
88.333	0.00	0.00	0.000	0					0.02
88.417	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1061

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.053 (CFS)

Total volume = 0.211 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
10 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da4110.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.063 (CFS)
Total volume = 0.139 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.53	3.80	5.06	Depth (Ft.)
0.083	0.46	0.00	0.002	O I					0.08
0.167	0.71	0.01	0.006	O I					0.20
0.250	0.84	0.01	0.011	O I					0.34
0.333	0.90	0.02	0.017	O I					0.50
0.417	1.02	0.02	0.023	O I					0.68
0.500	1.19	0.03	0.031	O I					0.88
0.583	1.38	0.03	0.039	O I					1.08
0.667	1.63	0.03	0.049	O I	I				1.25
0.750	2.28	0.03	0.063	O I	I				1.49
0.833	5.06	0.04	0.088	O I				I	1.93
0.917	3.06	0.04	0.115	O I		I			2.35
1.000	1.21	0.04	0.130	O I	I				2.56
1.083	0.34	0.04	0.135	O I					2.63
1.167	0.03	0.04	0.136	O I					2.65
1.250	0.00	0.04	0.136	O I					2.64
1.333	0.00	0.04	0.135	O I					2.64
1.417	0.00	0.04	0.135	O I					2.63
1.500	0.00	0.04	0.135	O I					2.63
1.583	0.00	0.04	0.134	O I					2.62
1.667	0.00	0.04	0.134	O I					2.62
1.750	0.00	0.04	0.134	O I					2.62
1.833	0.00	0.04	0.134	O I					2.61

1.917	0.00	0.04	0.133	0					2.61
2.000	0.00	0.04	0.133	0					2.60
2.083	0.00	0.04	0.133	0					2.60
2.167	0.00	0.04	0.132	0					2.59
2.250	0.00	0.04	0.132	0					2.59
2.333	0.00	0.04	0.132	0					2.58
2.417	0.00	0.04	0.131	0					2.58
2.500	0.00	0.04	0.131	0					2.57
2.583	0.00	0.04	0.131	0					2.57
2.667	0.00	0.04	0.130	0					2.57
2.750	0.00	0.04	0.130	0					2.56
2.833	0.00	0.04	0.130	0					2.56
2.917	0.00	0.04	0.130	0					2.55
3.000	0.00	0.04	0.129	0					2.55
3.083	0.00	0.04	0.129	0					2.54
3.167	0.00	0.04	0.129	0					2.54
3.250	0.00	0.04	0.128	0					2.53
3.333	0.00	0.04	0.128	0					2.53
3.417	0.00	0.04	0.128	0					2.53
3.500	0.00	0.04	0.127	0					2.52
3.583	0.00	0.04	0.127	0					2.52
3.667	0.00	0.04	0.127	0					2.51
3.750	0.00	0.04	0.127	0					2.51
3.833	0.00	0.04	0.126	0					2.50
3.917	0.00	0.04	0.126	0					2.50
4.000	0.00	0.04	0.126	0					2.49
4.083	0.00	0.04	0.125	0					2.49
4.167	0.00	0.04	0.125	0					2.49
4.250	0.00	0.04	0.125	0					2.48
4.333	0.00	0.04	0.124	0					2.48
4.417	0.00	0.04	0.124	0					2.47
4.500	0.00	0.04	0.124	0					2.47
4.583	0.00	0.04	0.124	0					2.46
4.667	0.00	0.04	0.123	0					2.46
4.750	0.00	0.04	0.123	0					2.46
4.833	0.00	0.04	0.123	0					2.45
4.917	0.00	0.04	0.122	0					2.45
5.000	0.00	0.04	0.122	0					2.44
5.083	0.00	0.04	0.122	0					2.44
5.167	0.00	0.04	0.121	0					2.43
5.250	0.00	0.04	0.121	0					2.43
5.333	0.00	0.04	0.121	0					2.42
5.417	0.00	0.04	0.121	0					2.42
5.500	0.00	0.04	0.120	0					2.42
5.583	0.00	0.04	0.120	0					2.41
5.667	0.00	0.04	0.120	0					2.41
5.750	0.00	0.04	0.119	0					2.40
5.833	0.00	0.04	0.119	0					2.40
5.917	0.00	0.04	0.119	0					2.39
6.000	0.00	0.04	0.119	0					2.39

6.083	0.00	0.04	0.118	0					2.39
6.167	0.00	0.04	0.118	0					2.38
6.250	0.00	0.04	0.118	0					2.38
6.333	0.00	0.04	0.117	0					2.37
6.417	0.00	0.04	0.117	0					2.37
6.500	0.00	0.04	0.117	0					2.36
6.583	0.00	0.04	0.117	0					2.36
6.667	0.00	0.04	0.116	0					2.36
6.750	0.00	0.04	0.116	0					2.35
6.833	0.00	0.04	0.116	0					2.35
6.917	0.00	0.04	0.115	0					2.34
7.000	0.00	0.04	0.115	0					2.34
7.083	0.00	0.04	0.115	0					2.33
7.167	0.00	0.04	0.114	0					2.33
7.250	0.00	0.04	0.114	0					2.33
7.333	0.00	0.04	0.114	0					2.32
7.417	0.00	0.04	0.114	0					2.32
7.500	0.00	0.04	0.113	0					2.31
7.583	0.00	0.04	0.113	0					2.31
7.667	0.00	0.04	0.113	0					2.31
7.750	0.00	0.04	0.112	0					2.30
7.833	0.00	0.04	0.112	0					2.30
7.917	0.00	0.04	0.112	0					2.29
8.000	0.00	0.04	0.112	0					2.29
8.083	0.00	0.04	0.111	0					2.28
8.167	0.00	0.04	0.111	0					2.28
8.250	0.00	0.04	0.111	0					2.28
8.333	0.00	0.04	0.110	0					2.27
8.417	0.00	0.04	0.110	0					2.27
8.500	0.00	0.04	0.110	0					2.26
8.583	0.00	0.04	0.110	0					2.26
8.667	0.00	0.04	0.109	0					2.25
8.750	0.00	0.04	0.109	0					2.25
8.833	0.00	0.04	0.109	0					2.25
8.917	0.00	0.04	0.108	0					2.24
9.000	0.00	0.04	0.108	0					2.24
9.083	0.00	0.04	0.108	0					2.23
9.167	0.00	0.04	0.108	0					2.23
9.250	0.00	0.04	0.107	0					2.23
9.333	0.00	0.04	0.107	0					2.22
9.417	0.00	0.04	0.107	0					2.22
9.500	0.00	0.04	0.106	0					2.21
9.583	0.00	0.04	0.106	0					2.21
9.667	0.00	0.04	0.106	0					2.20
9.750	0.00	0.04	0.106	0					2.20
9.833	0.00	0.04	0.105	0					2.20
9.917	0.00	0.04	0.105	0					2.19
10.000	0.00	0.04	0.105	0					2.19
10.083	0.00	0.04	0.105	0					2.18
10.167	0.00	0.04	0.104	0					2.18

10.250	0.00	0.04	0.104	0					2.18
10.333	0.00	0.04	0.104	0					2.17
10.417	0.00	0.04	0.103	0					2.17
10.500	0.00	0.04	0.103	0					2.16
10.583	0.00	0.04	0.103	0					2.16
10.667	0.00	0.04	0.103	0					2.16
10.750	0.00	0.04	0.102	0					2.15
10.833	0.00	0.04	0.102	0					2.15
10.917	0.00	0.04	0.102	0					2.14
11.000	0.00	0.04	0.101	0					2.14
11.083	0.00	0.04	0.101	0					2.13
11.167	0.00	0.04	0.101	0					2.13
11.250	0.00	0.04	0.101	0					2.13
11.333	0.00	0.04	0.100	0					2.12
11.417	0.00	0.04	0.100	0					2.12
11.500	0.00	0.04	0.100	0					2.11
11.583	0.00	0.04	0.100	0					2.11
11.667	0.00	0.04	0.099	0					2.11
11.750	0.00	0.04	0.099	0					2.10
11.833	0.00	0.04	0.099	0					2.10
11.917	0.00	0.04	0.098	0					2.09
12.000	0.00	0.04	0.098	0					2.09
12.083	0.00	0.04	0.098	0					2.09
12.167	0.00	0.04	0.098	0					2.08
12.250	0.00	0.04	0.097	0					2.08
12.333	0.00	0.04	0.097	0					2.07
12.417	0.00	0.04	0.097	0					2.07
12.500	0.00	0.04	0.097	0					2.07
12.583	0.00	0.04	0.096	0					2.06
12.667	0.00	0.04	0.096	0					2.06
12.750	0.00	0.04	0.096	0					2.05
12.833	0.00	0.04	0.095	0					2.05
12.917	0.00	0.04	0.095	0					2.05
13.000	0.00	0.04	0.095	0					2.04
13.083	0.00	0.04	0.095	0					2.04
13.167	0.00	0.04	0.094	0					2.03
13.250	0.00	0.04	0.094	0					2.03
13.333	0.00	0.04	0.094	0					2.03
13.417	0.00	0.04	0.094	0					2.02
13.500	0.00	0.04	0.093	0					2.02
13.583	0.00	0.04	0.093	0					2.01
13.667	0.00	0.04	0.093	0					2.01
13.750	0.00	0.04	0.092	0					2.01
13.833	0.00	0.04	0.092	0					2.00
13.917	0.00	0.04	0.092	0					2.00
14.000	0.00	0.04	0.092	0					1.99
14.083	0.00	0.04	0.091	0					1.99
14.167	0.00	0.04	0.091	0					1.98
14.250	0.00	0.04	0.091	0					1.98
14.333	0.00	0.04	0.091	0					1.97

14.417	0.00	0.04	0.090	0					1.97
14.500	0.00	0.04	0.090	0					1.97
14.583	0.00	0.04	0.090	0					1.96
14.667	0.00	0.04	0.089	0					1.96
14.750	0.00	0.04	0.089	0					1.95
14.833	0.00	0.04	0.089	0					1.95
14.917	0.00	0.04	0.089	0					1.94
15.000	0.00	0.04	0.088	0					1.94
15.083	0.00	0.04	0.088	0					1.93
15.167	0.00	0.04	0.088	0					1.93
15.250	0.00	0.04	0.088	0					1.92
15.333	0.00	0.04	0.087	0					1.92
15.417	0.00	0.04	0.087	0					1.91
15.500	0.00	0.04	0.087	0					1.91
15.583	0.00	0.04	0.087	0					1.91
15.667	0.00	0.04	0.086	0					1.90
15.750	0.00	0.04	0.086	0					1.90
15.833	0.00	0.04	0.086	0					1.89
15.917	0.00	0.04	0.086	0					1.89
16.000	0.00	0.04	0.085	0					1.88
16.083	0.00	0.04	0.085	0					1.88
16.167	0.00	0.04	0.085	0					1.87
16.250	0.00	0.04	0.085	0					1.87
16.333	0.00	0.04	0.084	0					1.86
16.417	0.00	0.04	0.084	0					1.86
16.500	0.00	0.04	0.084	0					1.86
16.583	0.00	0.04	0.083	0					1.85
16.667	0.00	0.04	0.083	0					1.85
16.750	0.00	0.04	0.083	0					1.84
16.833	0.00	0.04	0.083	0					1.84
16.917	0.00	0.04	0.082	0					1.83
17.000	0.00	0.04	0.082	0					1.83
17.083	0.00	0.04	0.082	0					1.82
17.167	0.00	0.04	0.082	0					1.82
17.250	0.00	0.04	0.081	0					1.81
17.333	0.00	0.04	0.081	0					1.81
17.417	0.00	0.04	0.081	0					1.81
17.500	0.00	0.04	0.081	0					1.80
17.583	0.00	0.04	0.080	0					1.80
17.667	0.00	0.04	0.080	0					1.79
17.750	0.00	0.04	0.080	0					1.79
17.833	0.00	0.04	0.080	0					1.78
17.917	0.00	0.04	0.079	0					1.78
18.000	0.00	0.04	0.079	0					1.77
18.083	0.00	0.04	0.079	0					1.77
18.167	0.00	0.04	0.079	0					1.77
18.250	0.00	0.04	0.078	0					1.76
18.333	0.00	0.04	0.078	0					1.76
18.417	0.00	0.04	0.078	0					1.75
18.500	0.00	0.04	0.078	0					1.75

18.583	0.00	0.04	0.077	0					1.74
18.667	0.00	0.04	0.077	0					1.74
18.750	0.00	0.04	0.077	0					1.74
18.833	0.00	0.04	0.077	0					1.73
18.917	0.00	0.04	0.076	0					1.73
19.000	0.00	0.04	0.076	0					1.72
19.083	0.00	0.04	0.076	0					1.72
19.167	0.00	0.04	0.076	0					1.71
19.250	0.00	0.04	0.075	0					1.71
19.333	0.00	0.04	0.075	0					1.70
19.417	0.00	0.04	0.075	0					1.70
19.500	0.00	0.04	0.075	0					1.70
19.583	0.00	0.04	0.074	0					1.69
19.667	0.00	0.04	0.074	0					1.69
19.750	0.00	0.04	0.074	0					1.68
19.833	0.00	0.04	0.074	0					1.68
19.917	0.00	0.04	0.073	0					1.67
20.000	0.00	0.04	0.073	0					1.67
20.083	0.00	0.04	0.073	0					1.67
20.167	0.00	0.04	0.073	0					1.66
20.250	0.00	0.04	0.072	0					1.66
20.333	0.00	0.04	0.072	0					1.65
20.417	0.00	0.04	0.072	0					1.65
20.500	0.00	0.04	0.072	0					1.65
20.583	0.00	0.04	0.072	0					1.64
20.667	0.00	0.04	0.071	0					1.64
20.750	0.00	0.03	0.071	0					1.63
20.833	0.00	0.03	0.071	0					1.63
20.917	0.00	0.03	0.071	0					1.62
21.000	0.00	0.03	0.070	0					1.62
21.083	0.00	0.03	0.070	0					1.62
21.167	0.00	0.03	0.070	0					1.61
21.250	0.00	0.03	0.070	0					1.61
21.333	0.00	0.03	0.069	0					1.60
21.417	0.00	0.03	0.069	0					1.60
21.500	0.00	0.03	0.069	0					1.59
21.583	0.00	0.03	0.069	0					1.59
21.667	0.00	0.03	0.068	0					1.59
21.750	0.00	0.03	0.068	0					1.58
21.833	0.00	0.03	0.068	0					1.58
21.917	0.00	0.03	0.068	0					1.57
22.000	0.00	0.03	0.067	0					1.57
22.083	0.00	0.03	0.067	0					1.57
22.167	0.00	0.03	0.067	0					1.56
22.250	0.00	0.03	0.067	0					1.56
22.333	0.00	0.03	0.067	0					1.55
22.417	0.00	0.03	0.066	0					1.55
22.500	0.00	0.03	0.066	0					1.54
22.583	0.00	0.03	0.066	0					1.54
22.667	0.00	0.03	0.066	0					1.54

22.750	0.00	0.03	0.065	0					1.53
22.833	0.00	0.03	0.065	0					1.53
22.917	0.00	0.03	0.065	0					1.52
23.000	0.00	0.03	0.065	0					1.52
23.083	0.00	0.03	0.064	0					1.52
23.167	0.00	0.03	0.064	0					1.51
23.250	0.00	0.03	0.064	0					1.51
23.333	0.00	0.03	0.064	0					1.50
23.417	0.00	0.03	0.064	0					1.50
23.500	0.00	0.03	0.063	0					1.50
23.583	0.00	0.03	0.063	0					1.49
23.667	0.00	0.03	0.063	0					1.49
23.750	0.00	0.03	0.063	0					1.48
23.833	0.00	0.03	0.062	0					1.48
23.917	0.00	0.03	0.062	0					1.48
24.000	0.00	0.03	0.062	0					1.47
24.083	0.00	0.03	0.062	0					1.47
24.167	0.00	0.03	0.061	0					1.46
24.250	0.00	0.03	0.061	0					1.46
24.333	0.00	0.03	0.061	0					1.46
24.417	0.00	0.03	0.061	0					1.45
24.500	0.00	0.03	0.061	0					1.45
24.583	0.00	0.03	0.060	0					1.44
24.667	0.00	0.03	0.060	0					1.44
24.750	0.00	0.03	0.060	0					1.44
24.833	0.00	0.03	0.060	0					1.43
24.917	0.00	0.03	0.059	0					1.43
25.000	0.00	0.03	0.059	0					1.42
25.083	0.00	0.03	0.059	0					1.42
25.167	0.00	0.03	0.059	0					1.42
25.250	0.00	0.03	0.058	0					1.41
25.333	0.00	0.03	0.058	0					1.41
25.417	0.00	0.03	0.058	0					1.40
25.500	0.00	0.03	0.058	0					1.40
25.583	0.00	0.03	0.058	0					1.40
25.667	0.00	0.03	0.057	0					1.39
25.750	0.00	0.03	0.057	0					1.39
25.833	0.00	0.03	0.057	0					1.38
25.917	0.00	0.03	0.057	0					1.38
26.000	0.00	0.03	0.056	0					1.38
26.083	0.00	0.03	0.056	0					1.37
26.167	0.00	0.03	0.056	0					1.37
26.250	0.00	0.03	0.056	0					1.37
26.333	0.00	0.03	0.056	0					1.36
26.417	0.00	0.03	0.055	0					1.36
26.500	0.00	0.03	0.055	0					1.35
26.583	0.00	0.03	0.055	0					1.35
26.667	0.00	0.03	0.055	0					1.35
26.750	0.00	0.03	0.055	0					1.34
26.833	0.00	0.03	0.054	0					1.34

26.917	0.00	0.03	0.054	0					1.33
27.000	0.00	0.03	0.054	0					1.33
27.083	0.00	0.03	0.054	0					1.33
27.167	0.00	0.03	0.053	0					1.32
27.250	0.00	0.03	0.053	0					1.32
27.333	0.00	0.03	0.053	0					1.32
27.417	0.00	0.03	0.053	0					1.31
27.500	0.00	0.03	0.053	0					1.31
27.583	0.00	0.03	0.052	0					1.30
27.667	0.00	0.03	0.052	0					1.30
27.750	0.00	0.03	0.052	0					1.30
27.833	0.00	0.03	0.052	0					1.29
27.917	0.00	0.03	0.051	0					1.29
28.000	0.00	0.03	0.051	0					1.29
28.083	0.00	0.03	0.051	0					1.28
28.167	0.00	0.03	0.051	0					1.28
28.250	0.00	0.03	0.051	0					1.27
28.333	0.00	0.03	0.050	0					1.27
28.417	0.00	0.03	0.050	0					1.27
28.500	0.00	0.03	0.050	0					1.26
28.583	0.00	0.03	0.050	0					1.26
28.667	0.00	0.03	0.050	0					1.26
28.750	0.00	0.03	0.049	0					1.25
28.833	0.00	0.03	0.049	0					1.25
28.917	0.00	0.03	0.049	0					1.24
29.000	0.00	0.03	0.049	0					1.24
29.083	0.00	0.03	0.049	0					1.24
29.167	0.00	0.03	0.048	0					1.23
29.250	0.00	0.03	0.048	0					1.23
29.333	0.00	0.03	0.048	0					1.23
29.417	0.00	0.03	0.048	0					1.22
29.500	0.00	0.03	0.047	0					1.22
29.583	0.00	0.03	0.047	0					1.21
29.667	0.00	0.03	0.047	0					1.21
29.750	0.00	0.03	0.047	0					1.21
29.833	0.00	0.03	0.047	0					1.20
29.917	0.00	0.03	0.046	0					1.20
30.000	0.00	0.03	0.046	0					1.20
30.083	0.00	0.03	0.046	0					1.19
30.167	0.00	0.03	0.046	0					1.19
30.250	0.00	0.03	0.046	0					1.19
30.333	0.00	0.03	0.045	0					1.18
30.417	0.00	0.03	0.045	0					1.18
30.500	0.00	0.03	0.045	0					1.17
30.583	0.00	0.03	0.045	0					1.17
30.667	0.00	0.03	0.045	0					1.17
30.750	0.00	0.03	0.044	0					1.16
30.833	0.00	0.03	0.044	0					1.16
30.917	0.00	0.03	0.044	0					1.16
31.000	0.00	0.03	0.044	0					1.15

31.083	0.00	0.03	0.044	0					1.15
31.167	0.00	0.03	0.043	0					1.15
31.250	0.00	0.03	0.043	0					1.14
31.333	0.00	0.03	0.043	0					1.14
31.417	0.00	0.03	0.043	0					1.14
31.500	0.00	0.03	0.043	0					1.13
31.583	0.00	0.03	0.042	0					1.13
31.667	0.00	0.03	0.042	0					1.12
31.750	0.00	0.03	0.042	0					1.12
31.833	0.00	0.03	0.042	0					1.12
31.917	0.00	0.03	0.041	0					1.11
32.000	0.00	0.03	0.041	0					1.11
32.083	0.00	0.03	0.041	0					1.11
32.167	0.00	0.03	0.041	0					1.10
32.250	0.00	0.03	0.041	0					1.10
32.333	0.00	0.03	0.040	0					1.10
32.417	0.00	0.03	0.040	0					1.09
32.500	0.00	0.03	0.040	0					1.09
32.583	0.00	0.03	0.040	0					1.09
32.667	0.00	0.03	0.040	0					1.08
32.750	0.00	0.03	0.039	0					1.08
32.833	0.00	0.03	0.039	0					1.08
32.917	0.00	0.03	0.039	0					1.07
33.000	0.00	0.03	0.039	0					1.07
33.083	0.00	0.03	0.039	0					1.06
33.167	0.00	0.03	0.039	0					1.06
33.250	0.00	0.03	0.038	0					1.06
33.333	0.00	0.03	0.038	0					1.05
33.417	0.00	0.03	0.038	0					1.05
33.500	0.00	0.03	0.038	0					1.05
33.583	0.00	0.03	0.038	0					1.04
33.667	0.00	0.03	0.037	0					1.04
33.750	0.00	0.03	0.037	0					1.04
33.833	0.00	0.03	0.037	0					1.03
33.917	0.00	0.03	0.037	0					1.03
34.000	0.00	0.03	0.037	0					1.03
34.083	0.00	0.03	0.036	0					1.02
34.167	0.00	0.03	0.036	0					1.02
34.250	0.00	0.03	0.036	0					1.02
34.333	0.00	0.03	0.036	0					1.01
34.417	0.00	0.03	0.036	0					1.01
34.500	0.00	0.03	0.035	0					1.01
34.583	0.00	0.03	0.035	0					1.00
34.667	0.00	0.03	0.035	0					1.00
34.750	0.00	0.03	0.035	0					0.99
34.833	0.00	0.03	0.035	0					0.99
34.917	0.00	0.03	0.034	0					0.98
35.000	0.00	0.03	0.034	0					0.98
35.083	0.00	0.03	0.034	0					0.97
35.167	0.00	0.03	0.034	0					0.97

35.250	0.00	0.03	0.034	0					0.96
35.333	0.00	0.03	0.033	0					0.96
35.417	0.00	0.03	0.033	0					0.95
35.500	0.00	0.03	0.033	0					0.95
35.583	0.00	0.03	0.033	0					0.94
35.667	0.00	0.03	0.033	0					0.94
35.750	0.00	0.03	0.033	0					0.93
35.833	0.00	0.03	0.032	0					0.93
35.917	0.00	0.03	0.032	0					0.92
36.000	0.00	0.03	0.032	0					0.92
36.083	0.00	0.03	0.032	0					0.91
36.167	0.00	0.03	0.032	0					0.91
36.250	0.00	0.03	0.031	0					0.90
36.333	0.00	0.03	0.031	0					0.90
36.417	0.00	0.03	0.031	0					0.89
36.500	0.00	0.03	0.031	0					0.89
36.583	0.00	0.03	0.031	0					0.88
36.667	0.00	0.03	0.031	0					0.88
36.750	0.00	0.02	0.030	0					0.88
36.833	0.00	0.02	0.030	0					0.87
36.917	0.00	0.02	0.030	0					0.87
37.000	0.00	0.02	0.030	0					0.86
37.083	0.00	0.02	0.030	0					0.86
37.167	0.00	0.02	0.030	0					0.85
37.250	0.00	0.02	0.029	0					0.85
37.333	0.00	0.02	0.029	0					0.84
37.417	0.00	0.02	0.029	0					0.84
37.500	0.00	0.02	0.029	0					0.83
37.583	0.00	0.02	0.029	0					0.83
37.667	0.00	0.02	0.029	0					0.83
37.750	0.00	0.02	0.028	0					0.82
37.833	0.00	0.02	0.028	0					0.82
37.917	0.00	0.02	0.028	0					0.81
38.000	0.00	0.02	0.028	0					0.81
38.083	0.00	0.02	0.028	0					0.80
38.167	0.00	0.02	0.028	0					0.80
38.250	0.00	0.02	0.027	0					0.79
38.333	0.00	0.02	0.027	0					0.79
38.417	0.00	0.02	0.027	0					0.79
38.500	0.00	0.02	0.027	0					0.78
38.583	0.00	0.02	0.027	0					0.78
38.667	0.00	0.02	0.027	0					0.77
38.750	0.00	0.02	0.027	0					0.77
38.833	0.00	0.02	0.026	0					0.76
38.917	0.00	0.02	0.026	0					0.76
39.000	0.00	0.02	0.026	0					0.76
39.083	0.00	0.02	0.026	0					0.75
39.167	0.00	0.02	0.026	0					0.75
39.250	0.00	0.02	0.026	0					0.74
39.333	0.00	0.02	0.025	0					0.74

39.417	0.00	0.02	0.025	0					0.74
39.500	0.00	0.02	0.025	0					0.73
39.583	0.00	0.02	0.025	0					0.73
39.667	0.00	0.02	0.025	0					0.72
39.750	0.00	0.02	0.025	0					0.72
39.833	0.00	0.02	0.025	0					0.72
39.917	0.00	0.02	0.024	0					0.71
40.000	0.00	0.02	0.024	0					0.71
40.083	0.00	0.02	0.024	0					0.70
40.167	0.00	0.02	0.024	0					0.70
40.250	0.00	0.02	0.024	0					0.70
40.333	0.00	0.02	0.024	0					0.69
40.417	0.00	0.02	0.024	0					0.69
40.500	0.00	0.02	0.023	0					0.68
40.583	0.00	0.02	0.023	0					0.68
40.667	0.00	0.02	0.023	0					0.68
40.750	0.00	0.02	0.023	0					0.67
40.833	0.00	0.02	0.023	0					0.67
40.917	0.00	0.02	0.023	0					0.67
41.000	0.00	0.02	0.023	0					0.66
41.083	0.00	0.02	0.022	0					0.66
41.167	0.00	0.02	0.022	0					0.65
41.250	0.00	0.02	0.022	0					0.65
41.333	0.00	0.02	0.022	0					0.65
41.417	0.00	0.02	0.022	0					0.64
41.500	0.00	0.02	0.022	0					0.64
41.583	0.00	0.02	0.022	0					0.64
41.667	0.00	0.02	0.022	0					0.63
41.750	0.00	0.02	0.021	0					0.63
41.833	0.00	0.02	0.021	0					0.63
41.917	0.00	0.02	0.021	0					0.62
42.000	0.00	0.02	0.021	0					0.62
42.083	0.00	0.02	0.021	0					0.62
42.167	0.00	0.02	0.021	0					0.61
42.250	0.00	0.02	0.021	0					0.61
42.333	0.00	0.02	0.021	0					0.61
42.417	0.00	0.02	0.020	0					0.60
42.500	0.00	0.02	0.020	0					0.60
42.583	0.00	0.02	0.020	0					0.59
42.667	0.00	0.02	0.020	0					0.59
42.750	0.00	0.02	0.020	0					0.59
42.833	0.00	0.02	0.020	0					0.58
42.917	0.00	0.02	0.020	0					0.58
43.000	0.00	0.02	0.020	0					0.58
43.083	0.00	0.02	0.019	0					0.57
43.167	0.00	0.02	0.019	0					0.57
43.250	0.00	0.02	0.019	0					0.57
43.333	0.00	0.02	0.019	0					0.56
43.417	0.00	0.02	0.019	0					0.56
43.500	0.00	0.02	0.019	0					0.56

43.583	0.00	0.02	0.019	0					0.56
43.667	0.00	0.02	0.019	0					0.55
43.750	0.00	0.02	0.018	0					0.55
43.833	0.00	0.02	0.018	0					0.55
43.917	0.00	0.02	0.018	0					0.54
44.000	0.00	0.02	0.018	0					0.54
44.083	0.00	0.02	0.018	0					0.54
44.167	0.00	0.02	0.018	0					0.53
44.250	0.00	0.02	0.018	0					0.53
44.333	0.00	0.02	0.018	0					0.53
44.417	0.00	0.02	0.018	0					0.52
44.500	0.00	0.02	0.017	0					0.52
44.583	0.00	0.02	0.017	0					0.52
44.667	0.00	0.02	0.017	0					0.51
44.750	0.00	0.02	0.017	0					0.51
44.833	0.00	0.02	0.017	0					0.51
44.917	0.00	0.02	0.017	0					0.51
45.000	0.00	0.02	0.017	0					0.50
45.083	0.00	0.02	0.017	0					0.50
45.167	0.00	0.02	0.017	0					0.50
45.250	0.00	0.02	0.016	0					0.49
45.333	0.00	0.02	0.016	0					0.49
45.417	0.00	0.02	0.016	0					0.49
45.500	0.00	0.02	0.016	0					0.48
45.583	0.00	0.02	0.016	0					0.48
45.667	0.00	0.02	0.016	0					0.48
45.750	0.00	0.02	0.016	0					0.48
45.833	0.00	0.02	0.016	0					0.47
45.917	0.00	0.02	0.016	0					0.47
46.000	0.00	0.01	0.015	0					0.47
46.083	0.00	0.01	0.015	0					0.47
46.167	0.00	0.01	0.015	0					0.46
46.250	0.00	0.01	0.015	0					0.46
46.333	0.00	0.01	0.015	0					0.46
46.417	0.00	0.01	0.015	0					0.45
46.500	0.00	0.01	0.015	0					0.45
46.583	0.00	0.01	0.015	0					0.45
46.667	0.00	0.01	0.015	0					0.45
46.750	0.00	0.01	0.015	0					0.44
46.833	0.00	0.01	0.014	0					0.44
46.917	0.00	0.01	0.014	0					0.44
47.000	0.00	0.01	0.014	0					0.43
47.083	0.00	0.01	0.014	0					0.43
47.167	0.00	0.01	0.014	0					0.43
47.250	0.00	0.01	0.014	0					0.43
47.333	0.00	0.01	0.014	0					0.42
47.417	0.00	0.01	0.014	0					0.42
47.500	0.00	0.01	0.014	0					0.42
47.583	0.00	0.01	0.014	0					0.42
47.667	0.00	0.01	0.014	0					0.41

47.750	0.00	0.01	0.013	0					0.41
47.833	0.00	0.01	0.013	0					0.41
47.917	0.00	0.01	0.013	0					0.41
48.000	0.00	0.01	0.013	0					0.40
48.083	0.00	0.01	0.013	0					0.40
48.167	0.00	0.01	0.013	0					0.40
48.250	0.00	0.01	0.013	0					0.40
48.333	0.00	0.01	0.013	0					0.39
48.417	0.00	0.01	0.013	0					0.39
48.500	0.00	0.01	0.013	0					0.39
48.583	0.00	0.01	0.013	0					0.39
48.667	0.00	0.01	0.012	0					0.38
48.750	0.00	0.01	0.012	0					0.38
48.833	0.00	0.01	0.012	0					0.38
48.917	0.00	0.01	0.012	0					0.38
49.000	0.00	0.01	0.012	0					0.37
49.083	0.00	0.01	0.012	0					0.37
49.167	0.00	0.01	0.012	0					0.37
49.250	0.00	0.01	0.012	0					0.37
49.333	0.00	0.01	0.012	0					0.36
49.417	0.00	0.01	0.012	0					0.36
49.500	0.00	0.01	0.012	0					0.36
49.583	0.00	0.01	0.011	0					0.36
49.667	0.00	0.01	0.011	0					0.36
49.750	0.00	0.01	0.011	0					0.35
49.833	0.00	0.01	0.011	0					0.35
49.917	0.00	0.01	0.011	0					0.35
50.000	0.00	0.01	0.011	0					0.35
50.083	0.00	0.01	0.011	0					0.34
50.167	0.00	0.01	0.011	0					0.34
50.250	0.00	0.01	0.011	0					0.34
50.333	0.00	0.01	0.011	0					0.34
50.417	0.00	0.01	0.011	0					0.34
50.500	0.00	0.01	0.011	0					0.33
50.583	0.00	0.01	0.010	0					0.33
50.667	0.00	0.01	0.010	0					0.33
50.750	0.00	0.01	0.010	0					0.33
50.833	0.00	0.01	0.010	0					0.32
50.917	0.00	0.01	0.010	0					0.32
51.000	0.00	0.01	0.010	0					0.32
51.083	0.00	0.01	0.010	0					0.32
51.167	0.00	0.01	0.010	0					0.32
51.250	0.00	0.01	0.010	0					0.31
51.333	0.00	0.01	0.010	0					0.31
51.417	0.00	0.01	0.010	0					0.31
51.500	0.00	0.01	0.010	0					0.31
51.583	0.00	0.01	0.010	0					0.31
51.667	0.00	0.01	0.009	0					0.30
51.750	0.00	0.01	0.009	0					0.30
51.833	0.00	0.01	0.009	0					0.30

51.917	0.00	0.01	0.009	0					0.30
52.000	0.00	0.01	0.009	0					0.30
52.083	0.00	0.01	0.009	0					0.29
52.167	0.00	0.01	0.009	0					0.29
52.250	0.00	0.01	0.009	0					0.29
52.333	0.00	0.01	0.009	0					0.29
52.417	0.00	0.01	0.009	0					0.29
52.500	0.00	0.01	0.009	0					0.28
52.583	0.00	0.01	0.009	0					0.28
52.667	0.00	0.01	0.009	0					0.28
52.750	0.00	0.01	0.009	0					0.28
52.833	0.00	0.01	0.008	0					0.28
52.917	0.00	0.01	0.008	0					0.27
53.000	0.00	0.01	0.008	0					0.27
53.083	0.00	0.01	0.008	0					0.27
53.167	0.00	0.01	0.008	0					0.27
53.250	0.00	0.01	0.008	0					0.27
53.333	0.00	0.01	0.008	0					0.26
53.417	0.00	0.01	0.008	0					0.26
53.500	0.00	0.01	0.008	0					0.26
53.583	0.00	0.01	0.008	0					0.26
53.667	0.00	0.01	0.008	0					0.26
53.750	0.00	0.01	0.008	0					0.25
53.833	0.00	0.01	0.008	0					0.25
53.917	0.00	0.01	0.008	0					0.25
54.000	0.00	0.01	0.007	0					0.25
54.083	0.00	0.01	0.007	0					0.25
54.167	0.00	0.01	0.007	0					0.25
54.250	0.00	0.01	0.007	0					0.24
54.333	0.00	0.01	0.007	0					0.24
54.417	0.00	0.01	0.007	0					0.24
54.500	0.00	0.01	0.007	0					0.24
54.583	0.00	0.01	0.007	0					0.24
54.667	0.00	0.01	0.007	0					0.24
54.750	0.00	0.01	0.007	0					0.23
54.833	0.00	0.01	0.007	0					0.23
54.917	0.00	0.01	0.007	0					0.23
55.000	0.00	0.01	0.007	0					0.23
55.083	0.00	0.01	0.007	0					0.23
55.167	0.00	0.01	0.007	0					0.22
55.250	0.00	0.01	0.007	0					0.22
55.333	0.00	0.01	0.006	0					0.22
55.417	0.00	0.01	0.006	0					0.22
55.500	0.00	0.01	0.006	0					0.22
55.583	0.00	0.01	0.006	0					0.22
55.667	0.00	0.01	0.006	0					0.21
55.750	0.00	0.01	0.006	0					0.21
55.833	0.00	0.01	0.006	0					0.21
55.917	0.00	0.01	0.006	0					0.21
56.000	0.00	0.01	0.006	0					0.21

56.083	0.00	0.01	0.006	0					0.21
56.167	0.00	0.01	0.006	0					0.20
56.250	0.00	0.01	0.006	0					0.20
56.333	0.00	0.01	0.006	0					0.20
56.417	0.00	0.01	0.006	0					0.20
56.500	0.00	0.01	0.006	0					0.20
56.583	0.00	0.01	0.006	0					0.20
56.667	0.00	0.01	0.005	0					0.20
56.750	0.00	0.01	0.005	0					0.19
56.833	0.00	0.01	0.005	0					0.19
56.917	0.00	0.01	0.005	0					0.19
57.000	0.00	0.01	0.005	0					0.19
57.083	0.00	0.01	0.005	0					0.19
57.167	0.00	0.01	0.005	0					0.19
57.250	0.00	0.01	0.005	0					0.18
57.333	0.00	0.01	0.005	0					0.18
57.417	0.00	0.01	0.005	0					0.18
57.500	0.00	0.01	0.005	0					0.18
57.583	0.00	0.01	0.005	0					0.18
57.667	0.00	0.01	0.005	0					0.18
57.750	0.00	0.01	0.005	0					0.18
57.833	0.00	0.01	0.005	0					0.17
57.917	0.00	0.01	0.005	0					0.17
58.000	0.00	0.01	0.005	0					0.17
58.083	0.00	0.01	0.005	0					0.17
58.167	0.00	0.01	0.005	0					0.17
58.250	0.00	0.01	0.004	0					0.17
58.333	0.00	0.01	0.004	0					0.17
58.417	0.00	0.01	0.004	0					0.16
58.500	0.00	0.01	0.004	0					0.16
58.583	0.00	0.01	0.004	0					0.16
58.667	0.00	0.01	0.004	0					0.16
58.750	0.00	0.01	0.004	0					0.16
58.833	0.00	0.01	0.004	0					0.16
58.917	0.00	0.01	0.004	0					0.16
59.000	0.00	0.01	0.004	0					0.15
59.083	0.00	0.01	0.004	0					0.15
59.167	0.00	0.01	0.004	0					0.15
59.250	0.00	0.01	0.004	0					0.15
59.333	0.00	0.01	0.004	0					0.15
59.417	0.00	0.01	0.004	0					0.15
59.500	0.00	0.01	0.004	0					0.15
59.583	0.00	0.01	0.004	0					0.14
59.667	0.00	0.01	0.004	0					0.14
59.750	0.00	0.01	0.004	0					0.14
59.833	0.00	0.01	0.003	0					0.14
59.917	0.00	0.01	0.003	0					0.14
60.000	0.00	0.01	0.003	0					0.14
60.083	0.00	0.01	0.003	0					0.14
60.167	0.00	0.01	0.003	0					0.14

60.250	0.00	0.01	0.003	0					0.13
60.333	0.00	0.01	0.003	0					0.13
60.417	0.00	0.01	0.003	0					0.13
60.500	0.00	0.01	0.003	0					0.13
60.583	0.00	0.01	0.003	0					0.13
60.667	0.00	0.01	0.003	0					0.13
60.750	0.00	0.01	0.003	0					0.13
60.833	0.00	0.01	0.003	0					0.13
60.917	0.00	0.01	0.003	0					0.12
61.000	0.00	0.01	0.003	0					0.12
61.083	0.00	0.01	0.003	0					0.12
61.167	0.00	0.01	0.003	0					0.12
61.250	0.00	0.01	0.003	0					0.12
61.333	0.00	0.01	0.003	0					0.12
61.417	0.00	0.01	0.003	0					0.12
61.500	0.00	0.01	0.003	0					0.12
61.583	0.00	0.01	0.003	0					0.11
61.667	0.00	0.01	0.002	0					0.11
61.750	0.00	0.01	0.002	0					0.11
61.833	0.00	0.01	0.002	0					0.11
61.917	0.00	0.01	0.002	0					0.11
62.000	0.00	0.01	0.002	0					0.11
62.083	0.00	0.01	0.002	0					0.11
62.167	0.00	0.01	0.002	0					0.11
62.250	0.00	0.01	0.002	0					0.11
62.333	0.00	0.01	0.002	0					0.10
62.417	0.00	0.01	0.002	0					0.10
62.500	0.00	0.01	0.002	0					0.10
62.583	0.00	0.01	0.002	0					0.10
62.667	0.00	0.01	0.002	0					0.10
62.750	0.00	0.01	0.002	0					0.10
62.833	0.00	0.01	0.002	0					0.09
62.917	0.00	0.01	0.002	0					0.09
63.000	0.00	0.01	0.002	0					0.09
63.083	0.00	0.01	0.002	0					0.09
63.167	0.00	0.01	0.002	0					0.09
63.250	0.00	0.01	0.002	0					0.09
63.333	0.00	0.01	0.002	0					0.08
63.417	0.00	0.00	0.002	0					0.08
63.500	0.00	0.00	0.002	0					0.08
63.583	0.00	0.00	0.002	0					0.08
63.667	0.00	0.00	0.002	0					0.08
63.750	0.00	0.00	0.002	0					0.08
63.833	0.00	0.00	0.001	0					0.07
63.917	0.00	0.00	0.001	0					0.07
64.000	0.00	0.00	0.001	0					0.07
64.083	0.00	0.00	0.001	0					0.07
64.167	0.00	0.00	0.001	0					0.07
64.250	0.00	0.00	0.001	0					0.07
64.333	0.00	0.00	0.001	0					0.07

64.417	0.00	0.00	0.001	0					0.06
64.500	0.00	0.00	0.001	0					0.06
64.583	0.00	0.00	0.001	0					0.06
64.667	0.00	0.00	0.001	0					0.06
64.750	0.00	0.00	0.001	0					0.06
64.833	0.00	0.00	0.001	0					0.06
64.917	0.00	0.00	0.001	0					0.06
65.000	0.00	0.00	0.001	0					0.06
65.083	0.00	0.00	0.001	0					0.05
65.167	0.00	0.00	0.001	0					0.05
65.250	0.00	0.00	0.001	0					0.05
65.333	0.00	0.00	0.001	0					0.05
65.417	0.00	0.00	0.001	0					0.05
65.500	0.00	0.00	0.001	0					0.05
65.583	0.00	0.00	0.001	0					0.05
65.667	0.00	0.00	0.001	0					0.05
65.750	0.00	0.00	0.001	0					0.05
65.833	0.00	0.00	0.001	0					0.05
65.917	0.00	0.00	0.001	0					0.04
66.000	0.00	0.00	0.001	0					0.04
66.083	0.00	0.00	0.001	0					0.04
66.167	0.00	0.00	0.001	0					0.04
66.250	0.00	0.00	0.001	0					0.04
66.333	0.00	0.00	0.001	0					0.04
66.417	0.00	0.00	0.001	0					0.04
66.500	0.00	0.00	0.001	0					0.04
66.583	0.00	0.00	0.001	0					0.04
66.667	0.00	0.00	0.001	0					0.04
66.750	0.00	0.00	0.001	0					0.04
66.833	0.00	0.00	0.001	0					0.04
66.917	0.00	0.00	0.001	0					0.03
67.000	0.00	0.00	0.001	0					0.03
67.083	0.00	0.00	0.001	0					0.03
67.167	0.00	0.00	0.001	0					0.03
67.250	0.00	0.00	0.001	0					0.03
67.333	0.00	0.00	0.001	0					0.03
67.417	0.00	0.00	0.001	0					0.03
67.500	0.00	0.00	0.001	0					0.03
67.583	0.00	0.00	0.001	0					0.03
67.667	0.00	0.00	0.001	0					0.03
67.750	0.00	0.00	0.001	0					0.03
67.833	0.00	0.00	0.001	0					0.03
67.917	0.00	0.00	0.001	0					0.03
68.000	0.00	0.00	0.001	0					0.03
68.083	0.00	0.00	0.001	0					0.03
68.167	0.00	0.00	0.001	0					0.03
68.250	0.00	0.00	0.000	0					0.02
68.333	0.00	0.00	0.000	0					0.02
68.417	0.00	0.00	0.000	0					0.02
68.500	0.00	0.00	0.000	0					0.02

68.583	0.00	0.00	0.000	0					0.02
68.667	0.00	0.00	0.000	0					0.02
68.750	0.00	0.00	0.000	0					0.02
68.833	0.00	0.00	0.000	0					0.02
68.917	0.00	0.00	0.000	0					0.02
69.000	0.00	0.00	0.000	0					0.02
69.083	0.00	0.00	0.000	0					0.02
69.167	0.00	0.00	0.000	0					0.02
69.250	0.00	0.00	0.000	0					0.02
69.333	0.00	0.00	0.000	0					0.02
69.417	0.00	0.00	0.000	0					0.02
69.500	0.00	0.00	0.000	0					0.02
69.583	0.00	0.00	0.000	0					0.02
69.667	0.00	0.00	0.000	0					0.02
69.750	0.00	0.00	0.000	0					0.02
69.833	0.00	0.00	0.000	0					0.02
69.917	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 839

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.045 (CFS)

Total volume = 0.138 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
5 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da4245.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.643 (CFS)
Total volume = 0.388 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.2	0.32	0.48	0.64	Depth (Ft.)
0.083	0.02	0.00	0.000	OI					0.00
0.167	0.04	0.00	0.000	OI					0.01
0.250	0.04	0.00	0.001	OI					0.03
0.333	0.05	0.00	0.001	O I					0.04
0.417	0.06	0.00	0.001	O I					0.06
0.500	0.06	0.00	0.002	O I					0.08
0.583	0.06	0.01	0.002	O I					0.09
0.667	0.06	0.01	0.002	O I					0.11
0.750	0.06	0.01	0.003	O I					0.12
0.833	0.07	0.01	0.003	O I					0.13
0.917	0.07	0.01	0.003	O I					0.14
1.000	0.08	0.01	0.004	O I					0.15
1.083	0.06	0.01	0.004	O I					0.16
1.167	0.06	0.01	0.005	O I					0.17
1.250	0.06	0.01	0.005	O I					0.18
1.333	0.06	0.01	0.005	O I					0.19
1.417	0.06	0.01	0.006	O I					0.20
1.500	0.06	0.01	0.006	O I					0.21
1.583	0.06	0.01	0.006	O I					0.22
1.667	0.06	0.01	0.007	O I					0.23
1.750	0.06	0.01	0.007	O I					0.24
1.833	0.07	0.01	0.007	O I					0.25

1.917	0.07	0.01	0.008	0	I					0.26
2.000	0.08	0.01	0.008	0	I					0.27
2.083	0.08	0.01	0.009	0	I					0.28
2.167	0.08	0.01	0.009	0	I					0.29
2.250	0.08	0.01	0.010	0	I					0.31
2.333	0.08	0.01	0.010	0	I					0.32
2.417	0.08	0.01	0.010	0	I					0.33
2.500	0.08	0.01	0.011	0	I					0.34
2.583	0.09	0.01	0.011	0	I					0.35
2.667	0.09	0.01	0.012	0	I					0.37
2.750	0.09	0.01	0.012	0	I					0.38
2.833	0.09	0.01	0.013	0	I					0.40
2.917	0.09	0.01	0.014	0	I					0.41
3.000	0.09	0.01	0.014	0	I					0.43
3.083	0.09	0.01	0.015	0	I					0.44
3.167	0.09	0.01	0.015	0	I					0.46
3.250	0.09	0.02	0.016	0	I					0.47
3.333	0.09	0.02	0.016	0	I					0.49
3.417	0.09	0.02	0.017	0	I					0.50
3.500	0.09	0.02	0.017	0	I					0.52
3.583	0.09	0.02	0.018	0	I					0.53
3.667	0.09	0.02	0.018	0	I					0.55
3.750	0.09	0.02	0.019	0	I					0.56
3.833	0.11	0.02	0.020	0	I					0.58
3.917	0.11	0.02	0.020	0	I					0.59
4.000	0.11	0.02	0.021	0	I					0.61
4.083	0.11	0.02	0.021	0	I					0.63
4.167	0.11	0.02	0.022	0	I					0.65
4.250	0.11	0.02	0.023	0	I					0.66
4.333	0.12	0.02	0.023	0	I					0.68
4.417	0.13	0.02	0.024	0	I					0.70
4.500	0.13	0.02	0.025	0	I					0.72
4.583	0.13	0.02	0.026	0	I					0.75
4.667	0.13	0.02	0.026	0	I					0.77
4.750	0.13	0.02	0.027	0	I					0.79
4.833	0.14	0.02	0.028	0	I					0.81
4.917	0.15	0.02	0.029	0	I					0.83
5.000	0.15	0.02	0.030	0	I					0.85
5.083	0.13	0.02	0.030	0	I					0.88
5.167	0.11	0.03	0.031	0	I					0.89
5.250	0.11	0.03	0.032	0	I					0.91
5.333	0.12	0.03	0.032	0	I					0.93
5.417	0.13	0.03	0.033	0	I					0.95
5.500	0.13	0.03	0.034	0	I					0.97
5.583	0.14	0.03	0.035	0	I					0.99
5.667	0.15	0.03	0.035	0	I					1.01
5.750	0.15	0.03	0.036	0	I					1.02
5.833	0.15	0.03	0.037	0	I					1.04
5.917	0.15	0.03	0.038	0	I					1.05
6.000	0.15	0.03	0.039	0	I					1.06

6.083	0.16	0.03	0.040	0	I				1.08
6.167	0.17	0.03	0.041	0	I				1.10
6.250	0.17	0.03	0.041	0	I				1.11
6.333	0.17	0.03	0.042	0	I				1.13
6.417	0.17	0.03	0.043	0	I				1.15
6.500	0.17	0.03	0.044	0	I				1.16
6.583	0.18	0.03	0.045	0	I				1.18
6.667	0.19	0.03	0.046	0	I				1.20
6.750	0.19	0.03	0.048	0	I				1.22
6.833	0.19	0.03	0.049	0	I				1.24
6.917	0.19	0.03	0.050	0	I				1.26
7.000	0.19	0.03	0.051	0	I				1.28
7.083	0.19	0.03	0.052	0	I				1.30
7.167	0.19	0.03	0.053	0	I				1.31
7.250	0.19	0.03	0.054	0	I				1.33
7.333	0.20	0.03	0.055	0	I				1.35
7.417	0.21	0.03	0.056	0	I				1.37
7.500	0.21	0.03	0.057	0	I				1.39
7.583	0.22	0.03	0.059	0	I				1.42
7.667	0.22	0.03	0.060	0	I				1.44
7.750	0.23	0.03	0.061	0	I				1.46
7.833	0.24	0.03	0.063	0	I				1.49
7.917	0.24	0.03	0.064	0	I				1.51
8.000	0.24	0.03	0.066	0	I				1.54
8.083	0.27	0.03	0.067	0	I				1.56
8.167	0.28	0.03	0.069	0	I				1.59
8.250	0.28	0.03	0.070	0	I				1.62
8.333	0.28	0.04	0.072	0	I				1.65
8.417	0.28	0.04	0.074	0	I				1.68
8.500	0.28	0.04	0.076	0	I				1.71
8.583	0.29	0.04	0.077	0	I				1.74
8.667	0.30	0.04	0.079	0	I				1.77
8.750	0.30	0.04	0.081	0	I				1.81
8.833	0.31	0.04	0.083	0	I				1.84
8.917	0.32	0.04	0.085	0	I				1.87
9.000	0.32	0.04	0.087	0	I				1.91
9.083	0.34	0.04	0.089	0		I			1.94
9.167	0.36	0.04	0.091	0		I			1.98
9.250	0.36	0.04	0.093	0		I			2.01
9.333	0.37	0.04	0.095	0		I			2.05
9.417	0.38	0.04	0.098	0		I			2.08
9.500	0.38	0.04	0.100	0		I			2.12
9.583	0.39	0.04	0.102	0		I			2.15
9.667	0.39	0.04	0.105	0		I			2.19
9.750	0.39	0.04	0.107	0		I			2.22
9.833	0.41	0.04	0.110	0		I			2.26
9.917	0.41	0.04	0.112	0		I			2.29
10.000	0.41	0.04	0.115	0		I			2.33
10.083	0.33	0.04	0.117	0		I			2.37
10.167	0.29	0.04	0.119	0	I				2.39

10.250	0.28	0.04	0.120	0	I				2.42		
10.333	0.28	0.04	0.122	0	I				2.44		
10.417	0.28	0.04	0.124	0	I				2.47		
10.500	0.28	0.04	0.125	0	I				2.49		
10.583	0.34	0.04	0.127	0		I			2.52		
10.667	0.37	0.04	0.129	0		I			2.55		
10.750	0.38	0.04	0.132	0		I			2.58		
10.833	0.38	0.04	0.134	0		I			2.62		
10.917	0.38	0.04	0.136	0		I			2.65		
11.000	0.38	0.05	0.138	0		I			2.68		
11.083	0.36	0.05	0.141	0		I			2.72		
11.167	0.36	0.05	0.143	0		I			2.75		
11.250	0.36	0.05	0.145	0		I			2.78		
11.333	0.36	0.05	0.147	0		I			2.81		
11.417	0.36	0.05	0.149	0		I			2.84		
11.500	0.36	0.05	0.151	0		I			2.87		
11.583	0.33	0.05	0.153	0		I			2.90		
11.667	0.32	0.05	0.155	0	I				2.93		
11.750	0.32	0.05	0.157	0	I				2.96		
11.833	0.33	0.05	0.159	0		I			2.99		
11.917	0.34	0.05	0.161	0		I			3.02		
12.000	0.34	0.05	0.163	0		I			3.04		
12.083	0.42	0.05	0.165	0			I		3.08		
12.167	0.47	0.05	0.168	0			I		3.12		
12.250	0.47	0.05	0.171	0			I		3.16		
12.333	0.48	0.05	0.174	0			I		3.20		
12.417	0.49	0.05	0.177	0			I		3.24		
12.500	0.49	0.05	0.180	0			I		3.29		
12.583	0.51	0.05	0.183	0				I	3.33		
12.667	0.53	0.05	0.186	0				I	3.38		
12.750	0.53	0.05	0.190	0				I	3.42		
12.833	0.54	0.05	0.193	0				I	3.47		
12.917	0.54	0.05	0.196	0				I	3.52		
13.000	0.55	0.05	0.200	0				I	3.57		
13.083	0.61	0.05	0.203	0					I	3.62	
13.167	0.64	0.05	0.207	0					I	3.67	
13.250	0.64	0.05	0.211	0					I	3.73	
13.333	0.64	0.05	0.215	0					I	3.79	
13.417	0.64	0.05	0.219	0					I	3.85	
13.500	0.64	0.06	0.223	0						I	3.90
13.583	0.51	0.06	0.227	0				I			3.96
13.667	0.44	0.06	0.230	0			I				4.00
13.750	0.43	0.06	0.232	0			I				4.03
13.833	0.43	0.06	0.235	0			I				4.07
13.917	0.43	0.06	0.238	0			I				4.11
14.000	0.43	0.06	0.240	0			I				4.15
14.083	0.48	0.06	0.243	0				I			4.18
14.167	0.51	0.06	0.246	0					I		4.23
14.250	0.51	0.06	0.249	0					I		4.27
14.333	0.50	0.06	0.252	0				I			4.31

14.417	0.49	0.06	0.255	0		I	4.36
14.500	0.49	0.06	0.258	0		I	4.40
14.583	0.49	0.06	0.261	0		I	4.44
14.667	0.49	0.06	0.264	0		I	4.48
14.750	0.49	0.06	0.267	0		I	4.53
14.833	0.48	0.06	0.270	0		I	4.57
14.917	0.47	0.06	0.273	0		I	4.61
15.000	0.47	0.06	0.275	0		I	4.65
15.083	0.46	0.06	0.278	0		I	4.69
15.167	0.45	0.06	0.281	0		I	4.73
15.250	0.45	0.06	0.284	0		I	4.78
15.333	0.44	0.06	0.286	0		I	4.82
15.417	0.43	0.06	0.289	0		I	4.86
15.500	0.43	0.06	0.291	0		I	4.91
15.583	0.38	0.06	0.294	0	I		4.95
15.667	0.36	0.06	0.296	0	I		4.98
15.750	0.36	0.07	0.298	0	I		5.01
15.833	0.36	0.09	0.300	0	I		5.05
15.917	0.36	0.10	0.302	0	I		5.08
16.000	0.36	0.11	0.303	0	I		5.10
16.083	0.18	0.12	0.304	0 I			5.12
16.167	0.08	0.12	0.304	I 0			5.12
16.250	0.08	0.12	0.304	I 0			5.12
16.333	0.08	0.12	0.304	I 0			5.11
16.417	0.08	0.11	0.304	I 0			5.11
16.500	0.08	0.11	0.303	I 0			5.10
16.583	0.06	0.11	0.303	I 0			5.10
16.667	0.06	0.11	0.303	I 0			5.09
16.750	0.06	0.11	0.302	I 0			5.09
16.833	0.06	0.10	0.302	I 0			5.08
16.917	0.06	0.10	0.302	I 0			5.08
17.000	0.06	0.10	0.301	I 0			5.07
17.083	0.08	0.10	0.301	0			5.07
17.167	0.09	0.10	0.301	0			5.07
17.250	0.09	0.10	0.301	0			5.07
17.333	0.09	0.10	0.301	0			5.07
17.417	0.09	0.10	0.301	0			5.07
17.500	0.09	0.10	0.301	0			5.07
17.583	0.09	0.10	0.301	0			5.07
17.667	0.09	0.10	0.301	0			5.07
17.750	0.09	0.10	0.301	0			5.07
17.833	0.08	0.09	0.301	0			5.07
17.917	0.08	0.09	0.301	IO			5.06
18.000	0.08	0.09	0.301	IO			5.06
18.083	0.08	0.09	0.301	IO			5.06
18.167	0.08	0.09	0.301	IO			5.06
18.250	0.08	0.09	0.300	IO			5.06
18.333	0.08	0.09	0.300	IO			5.05
18.417	0.08	0.09	0.300	IO			5.05
18.500	0.08	0.09	0.300	IO			5.05

18.583	0.06	0.09	0.300	IO					5.05
18.667	0.06	0.09	0.300	I O					5.05
18.750	0.06	0.08	0.300	I O					5.04
18.833	0.04	0.08	0.299	I O					5.04
18.917	0.04	0.08	0.299	I O					5.04
19.000	0.04	0.08	0.299	I O					5.03
19.083	0.05	0.08	0.299	IO					5.03
19.167	0.06	0.07	0.299	IO					5.02
19.250	0.06	0.07	0.298	IO					5.02
19.333	0.07	0.07	0.298	O					5.02
19.417	0.07	0.07	0.298	O					5.02
19.500	0.08	0.07	0.298	O					5.02
19.583	0.06	0.07	0.298	O					5.02
19.667	0.06	0.07	0.298	IO					5.02
19.750	0.06	0.07	0.298	IO					5.02
19.833	0.04	0.07	0.298	IO					5.02
19.917	0.04	0.07	0.298	I O					5.01
20.000	0.04	0.07	0.298	I O					5.01
20.083	0.05	0.07	0.297	IO					5.01
20.167	0.06	0.07	0.297	IO					5.00
20.250	0.06	0.06	0.297	IO					5.00
20.333	0.06	0.06	0.297	IO					5.00
20.417	0.06	0.06	0.297	IO					5.00
20.500	0.06	0.06	0.297	IO					5.00
20.583	0.06	0.06	0.297	IO					5.00
20.667	0.06	0.06	0.297	IO					5.00
20.750	0.06	0.06	0.297	IO					5.00
20.833	0.04	0.06	0.297	IO					5.00
20.917	0.04	0.06	0.297	I O					4.99
21.000	0.04	0.06	0.297	I O					4.99
21.083	0.05	0.06	0.296	IO					4.99
21.167	0.06	0.06	0.296	IO					4.99
21.250	0.06	0.06	0.296	IO					4.99
21.333	0.04	0.06	0.296	IO					4.99
21.417	0.04	0.06	0.296	I O					4.98
21.500	0.04	0.06	0.296	I O					4.98
21.583	0.05	0.06	0.296	IO					4.98
21.667	0.06	0.06	0.296	IO					4.98
21.750	0.06	0.06	0.296	IO					4.98
21.833	0.04	0.06	0.296	IO					4.98
21.917	0.04	0.06	0.295	I O					4.97
22.000	0.04	0.06	0.295	I O					4.97
22.083	0.05	0.06	0.295	IO					4.97
22.167	0.06	0.06	0.295	IO					4.97
22.250	0.06	0.06	0.295	IO					4.97
22.333	0.04	0.06	0.295	IO					4.96
22.417	0.04	0.06	0.295	I O					4.96
22.500	0.04	0.06	0.295	I O					4.96
22.583	0.04	0.06	0.294	I O					4.96
22.667	0.04	0.06	0.294	I O					4.95

22.750	0.04	0.06	0.294	I 0					4.95
22.833	0.04	0.06	0.294	I 0					4.95
22.917	0.04	0.06	0.294	I 0					4.95
23.000	0.04	0.06	0.294	I 0					4.94
23.083	0.04	0.06	0.293	I 0					4.94
23.167	0.04	0.06	0.293	I 0					4.94
23.250	0.04	0.06	0.293	I 0					4.93
23.333	0.04	0.06	0.293	I 0					4.93
23.417	0.04	0.06	0.293	I 0					4.93
23.500	0.04	0.06	0.293	I 0					4.93
23.583	0.04	0.06	0.292	I 0					4.92
23.667	0.04	0.06	0.292	I 0					4.92
23.750	0.04	0.06	0.292	I 0					4.92
23.833	0.04	0.06	0.292	I 0					4.91
23.917	0.04	0.06	0.292	I 0					4.91
24.000	0.04	0.06	0.291	I 0					4.91
24.083	0.01	0.06	0.291	I 0					4.90
24.167	0.00	0.06	0.291	I 0					4.90
24.250	0.00	0.06	0.290	I 0					4.89
24.333	0.00	0.06	0.290	I 0					4.88
24.417	0.00	0.06	0.290	I 0					4.88
24.500	0.00	0.06	0.289	I 0					4.87
24.583	0.00	0.06	0.289	I 0					4.86
24.667	0.00	0.06	0.288	I 0					4.85
24.750	0.00	0.06	0.288	I 0					4.85
24.833	0.00	0.06	0.287	I 0					4.84
24.917	0.00	0.06	0.287	I 0					4.83
25.000	0.00	0.06	0.287	I 0					4.83
25.083	0.00	0.06	0.286	I 0					4.82
25.167	0.00	0.06	0.286	I 0					4.81
25.250	0.00	0.06	0.285	I 0					4.81
25.333	0.00	0.06	0.285	I 0					4.80
25.417	0.00	0.06	0.284	I 0					4.79
25.500	0.00	0.06	0.284	I 0					4.78
25.583	0.00	0.06	0.284	I 0					4.78
25.667	0.00	0.06	0.283	I 0					4.77
25.750	0.00	0.06	0.283	I 0					4.76
25.833	0.00	0.06	0.282	I 0					4.76
25.917	0.00	0.06	0.282	I 0					4.75
26.000	0.00	0.06	0.282	I 0					4.74
26.083	0.00	0.06	0.281	I 0					4.74
26.167	0.00	0.06	0.281	I 0					4.73
26.250	0.00	0.06	0.280	I 0					4.72
26.333	0.00	0.06	0.280	I 0					4.72
26.417	0.00	0.06	0.279	I 0					4.71
26.500	0.00	0.06	0.279	I 0					4.71
26.583	0.00	0.06	0.279	I 0					4.70
26.667	0.00	0.06	0.278	I 0					4.69
26.750	0.00	0.06	0.278	I 0					4.69
26.833	0.00	0.06	0.277	I 0					4.68

26.917	0.00	0.06	0.277	I	0					4.68
27.000	0.00	0.06	0.277	I	0					4.67
27.083	0.00	0.06	0.276	I	0					4.66
27.167	0.00	0.06	0.276	I	0					4.66
27.250	0.00	0.06	0.275	I	0					4.65
27.333	0.00	0.06	0.275	I	0					4.64
27.417	0.00	0.06	0.274	I	0					4.64
27.500	0.00	0.06	0.274	I	0					4.63
27.583	0.00	0.06	0.274	I	0					4.63
27.667	0.00	0.06	0.273	I	0					4.62
27.750	0.00	0.06	0.273	I	0					4.61
27.833	0.00	0.06	0.272	I	0					4.61
27.917	0.00	0.06	0.272	I	0					4.60
28.000	0.00	0.06	0.271	I	0					4.60
28.083	0.00	0.06	0.271	I	0					4.59
28.167	0.00	0.06	0.271	I	0					4.58
28.250	0.00	0.06	0.270	I	0					4.58
28.333	0.00	0.06	0.270	I	0					4.57
28.417	0.00	0.06	0.269	I	0					4.57
28.500	0.00	0.06	0.269	I	0					4.56
28.583	0.00	0.06	0.269	I	0					4.55
28.667	0.00	0.06	0.268	I	0					4.55
28.750	0.00	0.06	0.268	I	0					4.54
28.833	0.00	0.06	0.267	I	0					4.53
28.917	0.00	0.06	0.267	I	0					4.53
29.000	0.00	0.06	0.267	I	0					4.52
29.083	0.00	0.06	0.266	I	0					4.52
29.167	0.00	0.06	0.266	I	0					4.51
29.250	0.00	0.06	0.265	I	0					4.50
29.333	0.00	0.06	0.265	I	0					4.50
29.417	0.00	0.06	0.264	I	0					4.49
29.500	0.00	0.06	0.264	I	0					4.49
29.583	0.00	0.06	0.264	I	0					4.48
29.667	0.00	0.06	0.263	I	0					4.47
29.750	0.00	0.06	0.263	I	0					4.47
29.833	0.00	0.06	0.262	I	0					4.46
29.917	0.00	0.06	0.262	I	0					4.46
30.000	0.00	0.06	0.262	I	0					4.45
30.083	0.00	0.06	0.261	I	0					4.45
30.167	0.00	0.06	0.261	I	0					4.44
30.250	0.00	0.06	0.260	I	0					4.43
30.333	0.00	0.06	0.260	I	0					4.43
30.417	0.00	0.06	0.260	I	0					4.42
30.500	0.00	0.06	0.259	I	0					4.42
30.583	0.00	0.06	0.259	I	0					4.41
30.667	0.00	0.06	0.258	I	0					4.40
30.750	0.00	0.06	0.258	I	0					4.40
30.833	0.00	0.06	0.257	I	0					4.39
30.917	0.00	0.06	0.257	I	0					4.39
31.000	0.00	0.06	0.257	I	0					4.38

31.083	0.00	0.06	0.256	I 0					4.38
31.167	0.00	0.06	0.256	I 0					4.37
31.250	0.00	0.06	0.255	I 0					4.36
31.333	0.00	0.06	0.255	I 0					4.36
31.417	0.00	0.06	0.255	I 0					4.35
31.500	0.00	0.06	0.254	I 0					4.35
31.583	0.00	0.06	0.254	I 0					4.34
31.667	0.00	0.06	0.253	I 0					4.33
31.750	0.00	0.06	0.253	I 0					4.33
31.833	0.00	0.06	0.253	I 0					4.32
31.917	0.00	0.06	0.252	I 0					4.32
32.000	0.00	0.06	0.252	I 0					4.31
32.083	0.00	0.06	0.251	I 0					4.31
32.167	0.00	0.06	0.251	I 0					4.30
32.250	0.00	0.06	0.251	I 0					4.29
32.333	0.00	0.06	0.250	I 0					4.29
32.417	0.00	0.06	0.250	I 0					4.28
32.500	0.00	0.06	0.249	I 0					4.28
32.583	0.00	0.06	0.249	I 0					4.27
32.667	0.00	0.06	0.249	I 0					4.27
32.750	0.00	0.06	0.248	I 0					4.26
32.833	0.00	0.06	0.248	I 0					4.25
32.917	0.00	0.06	0.247	I 0					4.25
33.000	0.00	0.06	0.247	I 0					4.24
33.083	0.00	0.06	0.247	I 0					4.24
33.167	0.00	0.06	0.246	I 0					4.23
33.250	0.00	0.06	0.246	I 0					4.23
33.333	0.00	0.06	0.245	I 0					4.22
33.417	0.00	0.06	0.245	I 0					4.21
33.500	0.00	0.06	0.245	I 0					4.21
33.583	0.00	0.06	0.244	I 0					4.20
33.667	0.00	0.06	0.244	I 0					4.20
33.750	0.00	0.06	0.243	I 0					4.19
33.833	0.00	0.06	0.243	I 0					4.19
33.917	0.00	0.06	0.243	I 0					4.18
34.000	0.00	0.06	0.242	I 0					4.17
34.083	0.00	0.06	0.242	I 0					4.17
34.167	0.00	0.06	0.241	I 0					4.16
34.250	0.00	0.06	0.241	I 0					4.16
34.333	0.00	0.06	0.241	I 0					4.15
34.417	0.00	0.06	0.240	I 0					4.15
34.500	0.00	0.06	0.240	I 0					4.14
34.583	0.00	0.06	0.239	I 0					4.14
34.667	0.00	0.06	0.239	I 0					4.13
34.750	0.00	0.06	0.239	I 0					4.12
34.833	0.00	0.06	0.238	I 0					4.12
34.917	0.00	0.06	0.238	I 0					4.11
35.000	0.00	0.06	0.238	I 0					4.11
35.083	0.00	0.06	0.237	I 0					4.10
35.167	0.00	0.06	0.237	I 0					4.10

35.250	0.00	0.06	0.236	I 0					4.09
35.333	0.00	0.06	0.236	I 0					4.08
35.417	0.00	0.06	0.236	I 0					4.08
35.500	0.00	0.06	0.235	I 0					4.07
35.583	0.00	0.06	0.235	I 0					4.07
35.667	0.00	0.06	0.234	I 0					4.06
35.750	0.00	0.06	0.234	I 0					4.06
35.833	0.00	0.06	0.234	I 0					4.05
35.917	0.00	0.06	0.233	I 0					4.05
36.000	0.00	0.06	0.233	I 0					4.04
36.083	0.00	0.06	0.232	I 0					4.03
36.167	0.00	0.06	0.232	I 0					4.03
36.250	0.00	0.06	0.232	I 0					4.02
36.333	0.00	0.06	0.231	I 0					4.02
36.417	0.00	0.06	0.231	I 0					4.01
36.500	0.00	0.06	0.231	I 0					4.01
36.583	0.00	0.06	0.230	I 0					4.00
36.667	0.00	0.06	0.230	I 0					4.00
36.750	0.00	0.06	0.229	I 0					3.99
36.833	0.00	0.06	0.229	I 0					3.99
36.917	0.00	0.06	0.229	I 0					3.98
37.000	0.00	0.06	0.228	I 0					3.97
37.083	0.00	0.06	0.228	I 0					3.97
37.167	0.00	0.06	0.227	I 0					3.96
37.250	0.00	0.06	0.227	I 0					3.96
37.333	0.00	0.06	0.227	I 0					3.95
37.417	0.00	0.06	0.226	I 0					3.95
37.500	0.00	0.06	0.226	I 0					3.94
37.583	0.00	0.06	0.226	I 0					3.94
37.667	0.00	0.06	0.225	I 0					3.93
37.750	0.00	0.06	0.225	I 0					3.93
37.833	0.00	0.06	0.224	I 0					3.92
37.917	0.00	0.06	0.224	I 0					3.91
38.000	0.00	0.06	0.224	I 0					3.91
38.083	0.00	0.06	0.223	I 0					3.90
38.167	0.00	0.06	0.223	I 0					3.90
38.250	0.00	0.06	0.222	I 0					3.89
38.333	0.00	0.06	0.222	I 0					3.89
38.417	0.00	0.06	0.222	I 0					3.88
38.500	0.00	0.06	0.221	I 0					3.88
38.583	0.00	0.05	0.221	I 0					3.87
38.667	0.00	0.05	0.221	I 0					3.87
38.750	0.00	0.05	0.220	I 0					3.86
38.833	0.00	0.05	0.220	I 0					3.85
38.917	0.00	0.05	0.219	I 0					3.85
39.000	0.00	0.05	0.219	I 0					3.84
39.083	0.00	0.05	0.219	I 0					3.84
39.167	0.00	0.05	0.218	I 0					3.83
39.250	0.00	0.05	0.218	I 0					3.83
39.333	0.00	0.05	0.218	I 0					3.82

39.417	0.00	0.05	0.217	I 0					3.82
39.500	0.00	0.05	0.217	I 0					3.81
39.583	0.00	0.05	0.216	I 0					3.81
39.667	0.00	0.05	0.216	I 0					3.80
39.750	0.00	0.05	0.216	I 0					3.80
39.833	0.00	0.05	0.215	I 0					3.79
39.917	0.00	0.05	0.215	I 0					3.78
40.000	0.00	0.05	0.215	I 0					3.78
40.083	0.00	0.05	0.214	I 0					3.77
40.167	0.00	0.05	0.214	I 0					3.77
40.250	0.00	0.05	0.213	I 0					3.76
40.333	0.00	0.05	0.213	I 0					3.76
40.417	0.00	0.05	0.213	I 0					3.75
40.500	0.00	0.05	0.212	I 0					3.75
40.583	0.00	0.05	0.212	I 0					3.74
40.667	0.00	0.05	0.212	I 0					3.74
40.750	0.00	0.05	0.211	I 0					3.73
40.833	0.00	0.05	0.211	I 0					3.73
40.917	0.00	0.05	0.210	I 0					3.72
41.000	0.00	0.05	0.210	I 0					3.72
41.083	0.00	0.05	0.210	I 0					3.71
41.167	0.00	0.05	0.209	I 0					3.71
41.250	0.00	0.05	0.209	I 0					3.70
41.333	0.00	0.05	0.209	I 0					3.69
41.417	0.00	0.05	0.208	I 0					3.69
41.500	0.00	0.05	0.208	I 0					3.68
41.583	0.00	0.05	0.208	I 0					3.68
41.667	0.00	0.05	0.207	I 0					3.67
41.750	0.00	0.05	0.207	I 0					3.67
41.833	0.00	0.05	0.206	I 0					3.66
41.917	0.00	0.05	0.206	I 0					3.66
42.000	0.00	0.05	0.206	I 0					3.65
42.083	0.00	0.05	0.205	I 0					3.65
42.167	0.00	0.05	0.205	I 0					3.64
42.250	0.00	0.05	0.205	I 0					3.64
42.333	0.00	0.05	0.204	I 0					3.63
42.417	0.00	0.05	0.204	I 0					3.63
42.500	0.00	0.05	0.203	I 0					3.62
42.583	0.00	0.05	0.203	I 0					3.62
42.667	0.00	0.05	0.203	I 0					3.61
42.750	0.00	0.05	0.202	I 0					3.61
42.833	0.00	0.05	0.202	I 0					3.60
42.917	0.00	0.05	0.202	I 0					3.60
43.000	0.00	0.05	0.201	I 0					3.59
43.083	0.00	0.05	0.201	I 0					3.58
43.167	0.00	0.05	0.201	I 0					3.58
43.250	0.00	0.05	0.200	I 0					3.57
43.333	0.00	0.05	0.200	I 0					3.57
43.417	0.00	0.05	0.199	I 0					3.56
43.500	0.00	0.05	0.199	I 0					3.56

43.583	0.00	0.05	0.199	I 0					3.55
43.667	0.00	0.05	0.198	I 0					3.55
43.750	0.00	0.05	0.198	I 0					3.54
43.833	0.00	0.05	0.198	I 0					3.54
43.917	0.00	0.05	0.197	I 0					3.53
44.000	0.00	0.05	0.197	I 0					3.53
44.083	0.00	0.05	0.197	I 0					3.52
44.167	0.00	0.05	0.196	I 0					3.52
44.250	0.00	0.05	0.196	I 0					3.51
44.333	0.00	0.05	0.196	I 0					3.51
44.417	0.00	0.05	0.195	I 0					3.50
44.500	0.00	0.05	0.195	I 0					3.50
44.583	0.00	0.05	0.194	I 0					3.49
44.667	0.00	0.05	0.194	I 0					3.49
44.750	0.00	0.05	0.194	I 0					3.48
44.833	0.00	0.05	0.193	I 0					3.48
44.917	0.00	0.05	0.193	I 0					3.47
45.000	0.00	0.05	0.193	I 0					3.47
45.083	0.00	0.05	0.192	I 0					3.46
45.167	0.00	0.05	0.192	I 0					3.46
45.250	0.00	0.05	0.192	I 0					3.45
45.333	0.00	0.05	0.191	I 0					3.45
45.417	0.00	0.05	0.191	I 0					3.44
45.500	0.00	0.05	0.191	I 0					3.44
45.583	0.00	0.05	0.190	I 0					3.43
45.667	0.00	0.05	0.190	I 0					3.43
45.750	0.00	0.05	0.189	I 0					3.42
45.833	0.00	0.05	0.189	I 0					3.42
45.917	0.00	0.05	0.189	I 0					3.41
46.000	0.00	0.05	0.188	I 0					3.41
46.083	0.00	0.05	0.188	I 0					3.40
46.167	0.00	0.05	0.188	I 0					3.40
46.250	0.00	0.05	0.187	I 0					3.39
46.333	0.00	0.05	0.187	I 0					3.39
46.417	0.00	0.05	0.187	I 0					3.38
46.500	0.00	0.05	0.186	I 0					3.38
46.583	0.00	0.05	0.186	I 0					3.37
46.667	0.00	0.05	0.186	I 0					3.37
46.750	0.00	0.05	0.185	I 0					3.36
46.833	0.00	0.05	0.185	I 0					3.36
46.917	0.00	0.05	0.185	I 0					3.35
47.000	0.00	0.05	0.184	I 0					3.35
47.083	0.00	0.05	0.184	I 0					3.34
47.167	0.00	0.05	0.184	I 0					3.34
47.250	0.00	0.05	0.183	I 0					3.33
47.333	0.00	0.05	0.183	I 0					3.33
47.417	0.00	0.05	0.182	I 0					3.32
47.500	0.00	0.05	0.182	I 0					3.32
47.583	0.00	0.05	0.182	I 0					3.31
47.667	0.00	0.05	0.181	I 0					3.31

47.750	0.00	0.05	0.181	I 0					3.30
47.833	0.00	0.05	0.181	I 0					3.30
47.917	0.00	0.05	0.180	I 0					3.29
48.000	0.00	0.05	0.180	I 0					3.29
48.083	0.00	0.05	0.180	I 0					3.28
48.167	0.00	0.05	0.179	I 0					3.28
48.250	0.00	0.05	0.179	I 0					3.27
48.333	0.00	0.05	0.179	I 0					3.27
48.417	0.00	0.05	0.178	I 0					3.26
48.500	0.00	0.05	0.178	I 0					3.26
48.583	0.00	0.05	0.178	I 0					3.25
48.667	0.00	0.05	0.177	I 0					3.25
48.750	0.00	0.05	0.177	I 0					3.24
48.833	0.00	0.05	0.177	I 0					3.24
48.917	0.00	0.05	0.176	I 0					3.23
49.000	0.00	0.05	0.176	I 0					3.23
49.083	0.00	0.05	0.176	I 0					3.22
49.167	0.00	0.05	0.175	I 0					3.22
49.250	0.00	0.05	0.175	I 0					3.21
49.333	0.00	0.05	0.175	I 0					3.21
49.417	0.00	0.05	0.174	I 0					3.20
49.500	0.00	0.05	0.174	I 0					3.20
49.583	0.00	0.05	0.173	I 0					3.19
49.667	0.00	0.05	0.173	I 0					3.19
49.750	0.00	0.05	0.173	I 0					3.18
49.833	0.00	0.05	0.172	I 0					3.18
49.917	0.00	0.05	0.172	I 0					3.17
50.000	0.00	0.05	0.172	I 0					3.17
50.083	0.00	0.05	0.171	I 0					3.16
50.167	0.00	0.05	0.171	I 0					3.16
50.250	0.00	0.05	0.171	I 0					3.15
50.333	0.00	0.05	0.170	I 0					3.15
50.417	0.00	0.05	0.170	I 0					3.14
50.500	0.00	0.05	0.170	I 0					3.14
50.583	0.00	0.05	0.169	I 0					3.13
50.667	0.00	0.05	0.169	I 0					3.13
50.750	0.00	0.05	0.169	I 0					3.12
50.833	0.00	0.05	0.168	I 0					3.12
50.917	0.00	0.05	0.168	I 0					3.12
51.000	0.00	0.05	0.168	I 0					3.11
51.083	0.00	0.05	0.167	I 0					3.11
51.167	0.00	0.05	0.167	I 0					3.10
51.250	0.00	0.05	0.167	I 0					3.10
51.333	0.00	0.05	0.166	I 0					3.09
51.417	0.00	0.05	0.166	I 0					3.09
51.500	0.00	0.05	0.166	I 0					3.08
51.583	0.00	0.05	0.165	I 0					3.08
51.667	0.00	0.05	0.165	I 0					3.07
51.750	0.00	0.05	0.165	I 0					3.07
51.833	0.00	0.05	0.164	I 0					3.06

51.917	0.00	0.05	0.164	I 0					3.06
52.000	0.00	0.05	0.164	I 0					3.05
52.083	0.00	0.05	0.163	I 0					3.05
52.167	0.00	0.05	0.163	I 0					3.04
52.250	0.00	0.05	0.163	I 0					3.04
52.333	0.00	0.05	0.162	I 0					3.03
52.417	0.00	0.05	0.162	I 0					3.03
52.500	0.00	0.05	0.162	I 0					3.02
52.583	0.00	0.05	0.161	I 0					3.02
52.667	0.00	0.05	0.161	I 0					3.02
52.750	0.00	0.05	0.161	I 0					3.01
52.833	0.00	0.05	0.160	I 0					3.01
52.917	0.00	0.05	0.160	I 0					3.00
53.000	0.00	0.05	0.160	I 0					3.00
53.083	0.00	0.05	0.159	I 0					2.99
53.167	0.00	0.05	0.159	I 0					2.99
53.250	0.00	0.05	0.159	I 0					2.98
53.333	0.00	0.05	0.158	I 0					2.98
53.417	0.00	0.05	0.158	I 0					2.97
53.500	0.00	0.05	0.158	I 0					2.97
53.583	0.00	0.05	0.157	I 0					2.96
53.667	0.00	0.05	0.157	I 0					2.96
53.750	0.00	0.05	0.157	I 0					2.95
53.833	0.00	0.05	0.156	I 0					2.95
53.917	0.00	0.05	0.156	I 0					2.94
54.000	0.00	0.05	0.156	I 0					2.94
54.083	0.00	0.05	0.155	I 0					2.93
54.167	0.00	0.05	0.155	I 0					2.93
54.250	0.00	0.05	0.155	I 0					2.92
54.333	0.00	0.05	0.154	I 0					2.92
54.417	0.00	0.05	0.154	I 0					2.91
54.500	0.00	0.05	0.154	I 0					2.91
54.583	0.00	0.05	0.154	I 0					2.90
54.667	0.00	0.05	0.153	I 0					2.90
54.750	0.00	0.05	0.153	I 0					2.89
54.833	0.00	0.05	0.153	I 0					2.89
54.917	0.00	0.05	0.152	I 0					2.89
55.000	0.00	0.05	0.152	I 0					2.88
55.083	0.00	0.05	0.152	I 0					2.88
55.167	0.00	0.05	0.151	I 0					2.87
55.250	0.00	0.05	0.151	I 0					2.87
55.333	0.00	0.05	0.151	I 0					2.86
55.417	0.00	0.05	0.150	I 0					2.86
55.500	0.00	0.05	0.150	I 0					2.85
55.583	0.00	0.05	0.150	I 0					2.85
55.667	0.00	0.05	0.149	I 0					2.84
55.750	0.00	0.05	0.149	I 0					2.84
55.833	0.00	0.05	0.149	I 0					2.83
55.917	0.00	0.05	0.148	I 0					2.83
56.000	0.00	0.05	0.148	I 0					2.82

56.083	0.00	0.05	0.148	I 0					2.82
56.167	0.00	0.05	0.147	I 0					2.81
56.250	0.00	0.05	0.147	I 0					2.81
56.333	0.00	0.05	0.147	I 0					2.81
56.417	0.00	0.05	0.146	I 0					2.80
56.500	0.00	0.05	0.146	I 0					2.80
56.583	0.00	0.05	0.146	I 0					2.79
56.667	0.00	0.05	0.145	I 0					2.79
56.750	0.00	0.05	0.145	I 0					2.78
56.833	0.00	0.05	0.145	I 0					2.78
56.917	0.00	0.05	0.145	I 0					2.77
57.000	0.00	0.05	0.144	I 0					2.77
57.083	0.00	0.05	0.144	I 0					2.76
57.167	0.00	0.05	0.144	I 0					2.76
57.250	0.00	0.05	0.143	I 0					2.75
57.333	0.00	0.05	0.143	I 0					2.75
57.417	0.00	0.05	0.143	I 0					2.74
57.500	0.00	0.05	0.142	I 0					2.74
57.583	0.00	0.05	0.142	I 0					2.74
57.667	0.00	0.05	0.142	I 0					2.73
57.750	0.00	0.05	0.141	I 0					2.73
57.833	0.00	0.05	0.141	I 0					2.72
57.917	0.00	0.05	0.141	I 0					2.72
58.000	0.00	0.05	0.140	I 0					2.71
58.083	0.00	0.05	0.140	I 0					2.71
58.167	0.00	0.05	0.140	I 0					2.70
58.250	0.00	0.05	0.140	I 0					2.70
58.333	0.00	0.05	0.139	I 0					2.69
58.417	0.00	0.05	0.139	I 0					2.69
58.500	0.00	0.05	0.139	I 0					2.68
58.583	0.00	0.05	0.138	I 0					2.68
58.667	0.00	0.05	0.138	I 0					2.68
58.750	0.00	0.05	0.138	I 0					2.67
58.833	0.00	0.04	0.137	I 0					2.67
58.917	0.00	0.04	0.137	I 0					2.66
59.000	0.00	0.04	0.137	I 0					2.66
59.083	0.00	0.04	0.136	I 0					2.65
59.167	0.00	0.04	0.136	I 0					2.65
59.250	0.00	0.04	0.136	I 0					2.64
59.333	0.00	0.04	0.135	I 0					2.64
59.417	0.00	0.04	0.135	I 0					2.63
59.500	0.00	0.04	0.135	I 0					2.63
59.583	0.00	0.04	0.135	I 0					2.63
59.667	0.00	0.04	0.134	I 0					2.62
59.750	0.00	0.04	0.134	I 0					2.62
59.833	0.00	0.04	0.134	I 0					2.61
59.917	0.00	0.04	0.133	I 0					2.61
60.000	0.00	0.04	0.133	I 0					2.60
60.083	0.00	0.04	0.133	I 0					2.60
60.167	0.00	0.04	0.132	I 0					2.59

60.250	0.00	0.04	0.132	I 0					2.59
60.333	0.00	0.04	0.132	I 0					2.59
60.417	0.00	0.04	0.131	I 0					2.58
60.500	0.00	0.04	0.131	I 0					2.58
60.583	0.00	0.04	0.131	I 0					2.57
60.667	0.00	0.04	0.131	I 0					2.57
60.750	0.00	0.04	0.130	I 0					2.56
60.833	0.00	0.04	0.130	I 0					2.56
60.917	0.00	0.04	0.130	I 0					2.55
61.000	0.00	0.04	0.129	I 0					2.55
61.083	0.00	0.04	0.129	I 0					2.55
61.167	0.00	0.04	0.129	I 0					2.54
61.250	0.00	0.04	0.128	I 0					2.54
61.333	0.00	0.04	0.128	I 0					2.53
61.417	0.00	0.04	0.128	I 0					2.53
61.500	0.00	0.04	0.128	I 0					2.52
61.583	0.00	0.04	0.127	I 0					2.52
61.667	0.00	0.04	0.127	I 0					2.51
61.750	0.00	0.04	0.127	I 0					2.51
61.833	0.00	0.04	0.126	I 0					2.51
61.917	0.00	0.04	0.126	I 0					2.50
62.000	0.00	0.04	0.126	I 0					2.50
62.083	0.00	0.04	0.125	I 0					2.49
62.167	0.00	0.04	0.125	I 0					2.49
62.250	0.00	0.04	0.125	I 0					2.48
62.333	0.00	0.04	0.125	I 0					2.48
62.417	0.00	0.04	0.124	I 0					2.47
62.500	0.00	0.04	0.124	I 0					2.47
62.583	0.00	0.04	0.124	I 0					2.47
62.667	0.00	0.04	0.123	I 0					2.46
62.750	0.00	0.04	0.123	I 0					2.46
62.833	0.00	0.04	0.123	I 0					2.45
62.917	0.00	0.04	0.122	I 0					2.45
63.000	0.00	0.04	0.122	I 0					2.44
63.083	0.00	0.04	0.122	I 0					2.44
63.167	0.00	0.04	0.122	I 0					2.44
63.250	0.00	0.04	0.121	I 0					2.43
63.333	0.00	0.04	0.121	I 0					2.43
63.417	0.00	0.04	0.121	I 0					2.42
63.500	0.00	0.04	0.120	I 0					2.42
63.583	0.00	0.04	0.120	I 0					2.41
63.667	0.00	0.04	0.120	I 0					2.41
63.750	0.00	0.04	0.120	I 0					2.40
63.833	0.00	0.04	0.119	I 0					2.40
63.917	0.00	0.04	0.119	I 0					2.40
64.000	0.00	0.04	0.119	I 0					2.39
64.083	0.00	0.04	0.118	I 0					2.39
64.167	0.00	0.04	0.118	I 0					2.38
64.250	0.00	0.04	0.118	I 0					2.38
64.333	0.00	0.04	0.117	I 0					2.37

64.417	0.00	0.04	0.117	I 0					2.37
64.500	0.00	0.04	0.117	I 0					2.37
64.583	0.00	0.04	0.117	I 0					2.36
64.667	0.00	0.04	0.116	I 0					2.36
64.750	0.00	0.04	0.116	I 0					2.35
64.833	0.00	0.04	0.116	I 0					2.35
64.917	0.00	0.04	0.115	I 0					2.34
65.000	0.00	0.04	0.115	I 0					2.34
65.083	0.00	0.04	0.115	I 0					2.34
65.167	0.00	0.04	0.115	I 0					2.33
65.250	0.00	0.04	0.114	I 0					2.33
65.333	0.00	0.04	0.114	I 0					2.32
65.417	0.00	0.04	0.114	I 0					2.32
65.500	0.00	0.04	0.113	I 0					2.31
65.583	0.00	0.04	0.113	I 0					2.31
65.667	0.00	0.04	0.113	I 0					2.31
65.750	0.00	0.04	0.113	I 0					2.30
65.833	0.00	0.04	0.112	I 0					2.30
65.917	0.00	0.04	0.112	I 0					2.29
66.000	0.00	0.04	0.112	I 0					2.29
66.083	0.00	0.04	0.111	I 0					2.29
66.167	0.00	0.04	0.111	I 0					2.28
66.250	0.00	0.04	0.111	I 0					2.28
66.333	0.00	0.04	0.111	I 0					2.27
66.417	0.00	0.04	0.110	I 0					2.27
66.500	0.00	0.04	0.110	I 0					2.26
66.583	0.00	0.04	0.110	I 0					2.26
66.667	0.00	0.04	0.109	I 0					2.26
66.750	0.00	0.04	0.109	I 0					2.25
66.833	0.00	0.04	0.109	I 0					2.25
66.917	0.00	0.04	0.109	I 0					2.24
67.000	0.00	0.04	0.108	I 0					2.24
67.083	0.00	0.04	0.108	I 0					2.24
67.167	0.00	0.04	0.108	I 0					2.23
67.250	0.00	0.04	0.107	I 0					2.23
67.333	0.00	0.04	0.107	I 0					2.22
67.417	0.00	0.04	0.107	I 0					2.22
67.500	0.00	0.04	0.107	I 0					2.21
67.583	0.00	0.04	0.106	I 0					2.21
67.667	0.00	0.04	0.106	I 0					2.21
67.750	0.00	0.04	0.106	I 0					2.20
67.833	0.00	0.04	0.105	I 0					2.20
67.917	0.00	0.04	0.105	I 0					2.19
68.000	0.00	0.04	0.105	I 0					2.19
68.083	0.00	0.04	0.105	I 0					2.19
68.167	0.00	0.04	0.104	I 0					2.18
68.250	0.00	0.04	0.104	I 0					2.18
68.333	0.00	0.04	0.104	I 0					2.17
68.417	0.00	0.04	0.103	I 0					2.17
68.500	0.00	0.04	0.103	I 0					2.16

68.583	0.00	0.04	0.103	I 0					2.16
68.667	0.00	0.04	0.103	I 0					2.16
68.750	0.00	0.04	0.102	I 0					2.15
68.833	0.00	0.04	0.102	I 0					2.15
68.917	0.00	0.04	0.102	I 0					2.14
69.000	0.00	0.04	0.102	I 0					2.14
69.083	0.00	0.04	0.101	I 0					2.14
69.167	0.00	0.04	0.101	IO					2.13
69.250	0.00	0.04	0.101	IO					2.13
69.333	0.00	0.04	0.100	IO					2.12
69.417	0.00	0.04	0.100	IO					2.12
69.500	0.00	0.04	0.100	IO					2.12
69.583	0.00	0.04	0.100	IO					2.11
69.667	0.00	0.04	0.099	IO					2.11
69.750	0.00	0.04	0.099	IO					2.10
69.833	0.00	0.04	0.099	IO					2.10
69.917	0.00	0.04	0.099	IO					2.10
70.000	0.00	0.04	0.098	IO					2.09
70.083	0.00	0.04	0.098	IO					2.09
70.167	0.00	0.04	0.098	IO					2.08
70.250	0.00	0.04	0.097	IO					2.08
70.333	0.00	0.04	0.097	IO					2.08
70.417	0.00	0.04	0.097	IO					2.07
70.500	0.00	0.04	0.097	IO					2.07
70.583	0.00	0.04	0.096	IO					2.06
70.667	0.00	0.04	0.096	IO					2.06
70.750	0.00	0.04	0.096	IO					2.06
70.833	0.00	0.04	0.096	IO					2.05
70.917	0.00	0.04	0.095	IO					2.05
71.000	0.00	0.04	0.095	IO					2.04
71.083	0.00	0.04	0.095	IO					2.04
71.167	0.00	0.04	0.094	IO					2.04
71.250	0.00	0.04	0.094	IO					2.03
71.333	0.00	0.04	0.094	IO					2.03
71.417	0.00	0.04	0.094	IO					2.02
71.500	0.00	0.04	0.093	IO					2.02
71.583	0.00	0.04	0.093	IO					2.02
71.667	0.00	0.04	0.093	IO					2.01
71.750	0.00	0.04	0.093	IO					2.01
71.833	0.00	0.04	0.092	IO					2.00
71.917	0.00	0.04	0.092	IO					2.00
72.000	0.00	0.04	0.092	IO					2.00
72.083	0.00	0.04	0.091	IO					1.99
72.167	0.00	0.04	0.091	IO					1.99
72.250	0.00	0.04	0.091	IO					1.98
72.333	0.00	0.04	0.091	IO					1.98
72.417	0.00	0.04	0.090	IO					1.97
72.500	0.00	0.04	0.090	IO					1.97
72.583	0.00	0.04	0.090	IO					1.96
72.667	0.00	0.04	0.090	IO					1.96

72.750	0.00	0.04	0.089	IO					1.95
72.833	0.00	0.04	0.089	IO					1.95
72.917	0.00	0.04	0.089	IO					1.94
73.000	0.00	0.04	0.089	IO					1.94
73.083	0.00	0.04	0.088	IO					1.93
73.167	0.00	0.04	0.088	IO					1.93
73.250	0.00	0.04	0.088	IO					1.93
73.333	0.00	0.04	0.087	IO					1.92
73.417	0.00	0.04	0.087	IO					1.92
73.500	0.00	0.04	0.087	IO					1.91
73.583	0.00	0.04	0.087	IO					1.91
73.667	0.00	0.04	0.086	IO					1.90
73.750	0.00	0.04	0.086	IO					1.90
73.833	0.00	0.04	0.086	IO					1.89
73.917	0.00	0.04	0.086	IO					1.89
74.000	0.00	0.04	0.085	IO					1.88
74.083	0.00	0.04	0.085	IO					1.88
74.167	0.00	0.04	0.085	IO					1.87
74.250	0.00	0.04	0.085	IO					1.87
74.333	0.00	0.04	0.084	IO					1.87
74.417	0.00	0.04	0.084	IO					1.86
74.500	0.00	0.04	0.084	IO					1.86
74.583	0.00	0.04	0.084	IO					1.85
74.667	0.00	0.04	0.083	IO					1.85
74.750	0.00	0.04	0.083	IO					1.84
74.833	0.00	0.04	0.083	IO					1.84
74.917	0.00	0.04	0.083	IO					1.83
75.000	0.00	0.04	0.082	IO					1.83
75.083	0.00	0.04	0.082	IO					1.83
75.167	0.00	0.04	0.082	IO					1.82
75.250	0.00	0.04	0.082	IO					1.82
75.333	0.00	0.04	0.081	IO					1.81
75.417	0.00	0.04	0.081	IO					1.81
75.500	0.00	0.04	0.081	IO					1.80
75.583	0.00	0.04	0.081	IO					1.80
75.667	0.00	0.04	0.080	IO					1.79
75.750	0.00	0.04	0.080	IO					1.79
75.833	0.00	0.04	0.080	IO					1.79
75.917	0.00	0.04	0.080	IO					1.78
76.000	0.00	0.04	0.079	IO					1.78
76.083	0.00	0.04	0.079	IO					1.77
76.167	0.00	0.04	0.079	IO					1.77
76.250	0.00	0.04	0.078	IO					1.76
76.333	0.00	0.04	0.078	IO					1.76
76.417	0.00	0.04	0.078	IO					1.75
76.500	0.00	0.04	0.078	IO					1.75
76.583	0.00	0.04	0.077	IO					1.75
76.667	0.00	0.04	0.077	IO					1.74
76.750	0.00	0.04	0.077	IO					1.74
76.833	0.00	0.04	0.077	IO					1.73

76.917	0.00	0.04	0.077	IO					1.73
77.000	0.00	0.04	0.076	IO					1.72
77.083	0.00	0.04	0.076	IO					1.72
77.167	0.00	0.04	0.076	IO					1.72
77.250	0.00	0.04	0.076	IO					1.71
77.333	0.00	0.04	0.075	IO					1.71
77.417	0.00	0.04	0.075	IO					1.70
77.500	0.00	0.04	0.075	IO					1.70
77.583	0.00	0.04	0.075	IO					1.69
77.667	0.00	0.04	0.074	IO					1.69
77.750	0.00	0.04	0.074	IO					1.68
77.833	0.00	0.04	0.074	IO					1.68
77.917	0.00	0.04	0.074	IO					1.68
78.000	0.00	0.04	0.073	IO					1.67
78.083	0.00	0.04	0.073	IO					1.67
78.167	0.00	0.04	0.073	IO					1.66
78.250	0.00	0.04	0.073	IO					1.66
78.333	0.00	0.04	0.072	IO					1.66
78.417	0.00	0.04	0.072	IO					1.65
78.500	0.00	0.04	0.072	IO					1.65
78.583	0.00	0.04	0.072	IO					1.64
78.667	0.00	0.04	0.071	IO					1.64
78.750	0.00	0.03	0.071	IO					1.63
78.833	0.00	0.03	0.071	IO					1.63
78.917	0.00	0.03	0.071	IO					1.63
79.000	0.00	0.03	0.070	IO					1.62
79.083	0.00	0.03	0.070	IO					1.62
79.167	0.00	0.03	0.070	IO					1.61
79.250	0.00	0.03	0.070	IO					1.61
79.333	0.00	0.03	0.069	IO					1.60
79.417	0.00	0.03	0.069	IO					1.60
79.500	0.00	0.03	0.069	IO					1.60
79.583	0.00	0.03	0.069	IO					1.59
79.667	0.00	0.03	0.068	IO					1.59
79.750	0.00	0.03	0.068	IO					1.58
79.833	0.00	0.03	0.068	IO					1.58
79.917	0.00	0.03	0.068	IO					1.58
80.000	0.00	0.03	0.068	IO					1.57
80.083	0.00	0.03	0.067	IO					1.57
80.167	0.00	0.03	0.067	IO					1.56
80.250	0.00	0.03	0.067	IO					1.56
80.333	0.00	0.03	0.067	IO					1.55
80.417	0.00	0.03	0.066	IO					1.55
80.500	0.00	0.03	0.066	IO					1.55
80.583	0.00	0.03	0.066	IO					1.54
80.667	0.00	0.03	0.066	IO					1.54
80.750	0.00	0.03	0.065	IO					1.53
80.833	0.00	0.03	0.065	IO					1.53
80.917	0.00	0.03	0.065	IO					1.53
81.000	0.00	0.03	0.065	IO					1.52

81.083	0.00	0.03	0.065	IO					1.52
81.167	0.00	0.03	0.064	IO					1.51
81.250	0.00	0.03	0.064	IO					1.51
81.333	0.00	0.03	0.064	IO					1.51
81.417	0.00	0.03	0.064	IO					1.50
81.500	0.00	0.03	0.063	IO					1.50
81.583	0.00	0.03	0.063	IO					1.49
81.667	0.00	0.03	0.063	IO					1.49
81.750	0.00	0.03	0.063	IO					1.49
81.833	0.00	0.03	0.062	IO					1.48
81.917	0.00	0.03	0.062	IO					1.48
82.000	0.00	0.03	0.062	IO					1.47
82.083	0.00	0.03	0.062	IO					1.47
82.167	0.00	0.03	0.062	IO					1.47
82.250	0.00	0.03	0.061	IO					1.46
82.333	0.00	0.03	0.061	IO					1.46
82.417	0.00	0.03	0.061	IO					1.45
82.500	0.00	0.03	0.061	IO					1.45
82.583	0.00	0.03	0.060	IO					1.45
82.667	0.00	0.03	0.060	IO					1.44
82.750	0.00	0.03	0.060	IO					1.44
82.833	0.00	0.03	0.060	IO					1.43
82.917	0.00	0.03	0.059	IO					1.43
83.000	0.00	0.03	0.059	IO					1.43
83.083	0.00	0.03	0.059	IO					1.42
83.167	0.00	0.03	0.059	IO					1.42
83.250	0.00	0.03	0.059	IO					1.41
83.333	0.00	0.03	0.058	IO					1.41
83.417	0.00	0.03	0.058	IO					1.41
83.500	0.00	0.03	0.058	IO					1.40
83.583	0.00	0.03	0.058	IO					1.40
83.667	0.00	0.03	0.057	IO					1.39
83.750	0.00	0.03	0.057	IO					1.39
83.833	0.00	0.03	0.057	IO					1.39
83.917	0.00	0.03	0.057	IO					1.38
84.000	0.00	0.03	0.057	IO					1.38
84.083	0.00	0.03	0.056	IO					1.37
84.167	0.00	0.03	0.056	IO					1.37
84.250	0.00	0.03	0.056	IO					1.37
84.333	0.00	0.03	0.056	IO					1.36
84.417	0.00	0.03	0.055	IO					1.36
84.500	0.00	0.03	0.055	IO					1.36
84.583	0.00	0.03	0.055	IO					1.35
84.667	0.00	0.03	0.055	IO					1.35
84.750	0.00	0.03	0.055	IO					1.34
84.833	0.00	0.03	0.054	IO					1.34
84.917	0.00	0.03	0.054	IO					1.34
85.000	0.00	0.03	0.054	IO					1.33
85.083	0.00	0.03	0.054	IO					1.33
85.167	0.00	0.03	0.053	IO					1.32

85.250	0.00	0.03	0.053	IO					1.32
85.333	0.00	0.03	0.053	IO					1.32
85.417	0.00	0.03	0.053	IO					1.31
85.500	0.00	0.03	0.053	IO					1.31
85.583	0.00	0.03	0.052	IO					1.31
85.667	0.00	0.03	0.052	IO					1.30
85.750	0.00	0.03	0.052	IO					1.30
85.833	0.00	0.03	0.052	IO					1.29
85.917	0.00	0.03	0.052	IO					1.29
86.000	0.00	0.03	0.051	IO					1.29
86.083	0.00	0.03	0.051	IO					1.28
86.167	0.00	0.03	0.051	IO					1.28
86.250	0.00	0.03	0.051	IO					1.28
86.333	0.00	0.03	0.050	IO					1.27
86.417	0.00	0.03	0.050	IO					1.27
86.500	0.00	0.03	0.050	IO					1.26
86.583	0.00	0.03	0.050	IO					1.26
86.667	0.00	0.03	0.050	IO					1.26
86.750	0.00	0.03	0.049	IO					1.25
86.833	0.00	0.03	0.049	IO					1.25
86.917	0.00	0.03	0.049	IO					1.25
87.000	0.00	0.03	0.049	IO					1.24
87.083	0.00	0.03	0.049	IO					1.24
87.167	0.00	0.03	0.048	IO					1.23
87.250	0.00	0.03	0.048	IO					1.23
87.333	0.00	0.03	0.048	IO					1.23
87.417	0.00	0.03	0.048	IO					1.22
87.500	0.00	0.03	0.048	IO					1.22
87.583	0.00	0.03	0.047	IO					1.22
87.667	0.00	0.03	0.047	IO					1.21
87.750	0.00	0.03	0.047	IO					1.21
87.833	0.00	0.03	0.047	IO					1.21
87.917	0.00	0.03	0.046	IO					1.20
88.000	0.00	0.03	0.046	IO					1.20
88.083	0.00	0.03	0.046	IO					1.19
88.167	0.00	0.03	0.046	IO					1.19
88.250	0.00	0.03	0.046	IO					1.19
88.333	0.00	0.03	0.045	IO					1.18
88.417	0.00	0.03	0.045	IO					1.18
88.500	0.00	0.03	0.045	IO					1.18
88.583	0.00	0.03	0.045	IO					1.17
88.667	0.00	0.03	0.045	IO					1.17
88.750	0.00	0.03	0.044	IO					1.17
88.833	0.00	0.03	0.044	IO					1.16
88.917	0.00	0.03	0.044	IO					1.16
89.000	0.00	0.03	0.044	IO					1.15
89.083	0.00	0.03	0.044	IO					1.15
89.167	0.00	0.03	0.043	IO					1.15
89.250	0.00	0.03	0.043	IO					1.14
89.333	0.00	0.03	0.043	IO					1.14

89.417	0.00	0.03	0.043	IO					1.14
89.500	0.00	0.03	0.043	IO					1.13
89.583	0.00	0.03	0.042	IO					1.13
89.667	0.00	0.03	0.042	IO					1.13
89.750	0.00	0.03	0.042	IO					1.12
89.833	0.00	0.03	0.042	IO					1.12
89.917	0.00	0.03	0.042	IO					1.12
90.000	0.00	0.03	0.041	IO					1.11
90.083	0.00	0.03	0.041	IO					1.11
90.167	0.00	0.03	0.041	IO					1.10
90.250	0.00	0.03	0.041	IO					1.10
90.333	0.00	0.03	0.041	IO					1.10
90.417	0.00	0.03	0.040	IO					1.09
90.500	0.00	0.03	0.040	IO					1.09
90.583	0.00	0.03	0.040	IO					1.09
90.667	0.00	0.03	0.040	IO					1.08
90.750	0.00	0.03	0.040	IO					1.08
90.833	0.00	0.03	0.039	IO					1.08
90.917	0.00	0.03	0.039	IO					1.07
91.000	0.00	0.03	0.039	IO					1.07
91.083	0.00	0.03	0.039	IO					1.07
91.167	0.00	0.03	0.039	IO					1.06
91.250	0.00	0.03	0.038	IO					1.06
91.333	0.00	0.03	0.038	IO					1.06
91.417	0.00	0.03	0.038	IO					1.05
91.500	0.00	0.03	0.038	IO					1.05
91.583	0.00	0.03	0.038	IO					1.05
91.667	0.00	0.03	0.037	IO					1.04
91.750	0.00	0.03	0.037	IO					1.04
91.833	0.00	0.03	0.037	IO					1.04
91.917	0.00	0.03	0.037	IO					1.03
92.000	0.00	0.03	0.037	IO					1.03
92.083	0.00	0.03	0.036	IO					1.02
92.167	0.00	0.03	0.036	IO					1.02
92.250	0.00	0.03	0.036	IO					1.02
92.333	0.00	0.03	0.036	IO					1.01
92.417	0.00	0.03	0.036	IO					1.01
92.500	0.00	0.03	0.035	IO					1.01
92.583	0.00	0.03	0.035	IO					1.00
92.667	0.00	0.03	0.035	IO					1.00
92.750	0.00	0.03	0.035	IO					1.00
92.833	0.00	0.03	0.035	IO					0.99
92.917	0.00	0.03	0.034	IO					0.99
93.000	0.00	0.03	0.034	IO					0.98
93.083	0.00	0.03	0.034	IO					0.98
93.167	0.00	0.03	0.034	IO					0.97
93.250	0.00	0.03	0.034	IO					0.97
93.333	0.00	0.03	0.034	IO					0.96
93.417	0.00	0.03	0.033	IO					0.96
93.500	0.00	0.03	0.033	IO					0.95

93.583	0.00	0.03	0.033	IO					0.95
93.667	0.00	0.03	0.033	IO					0.94
93.750	0.00	0.03	0.033	IO					0.94
93.833	0.00	0.03	0.032	IO					0.93
93.917	0.00	0.03	0.032	IO					0.93
94.000	0.00	0.03	0.032	IO					0.92
94.083	0.00	0.03	0.032	IO					0.92
94.167	0.00	0.03	0.032	IO					0.91
94.250	0.00	0.03	0.032	IO					0.91
94.333	0.00	0.03	0.031	IO					0.90
94.417	0.00	0.03	0.031	IO					0.90
94.500	0.00	0.03	0.031	IO					0.89
94.583	0.00	0.03	0.031	IO					0.89
94.667	0.00	0.03	0.031	IO					0.88
94.750	0.00	0.02	0.030	IO					0.88
94.833	0.00	0.02	0.030	IO					0.87
94.917	0.00	0.02	0.030	IO					0.87
95.000	0.00	0.02	0.030	IO					0.86
95.083	0.00	0.02	0.030	IO					0.86
95.167	0.00	0.02	0.030	IO					0.85
95.250	0.00	0.02	0.029	IO					0.85
95.333	0.00	0.02	0.029	IO					0.84
95.417	0.00	0.02	0.029	IO					0.84
95.500	0.00	0.02	0.029	IO					0.84
95.583	0.00	0.02	0.029	IO					0.83
95.667	0.00	0.02	0.029	IO					0.83
95.750	0.00	0.02	0.028	IO					0.82
95.833	0.00	0.02	0.028	IO					0.82
95.917	0.00	0.02	0.028	IO					0.81
96.000	0.00	0.02	0.028	IO					0.81
96.083	0.00	0.02	0.028	IO					0.80
96.167	0.00	0.02	0.028	IO					0.80
96.250	0.00	0.02	0.028	IO					0.80
96.333	0.00	0.02	0.027	IO					0.79
96.417	0.00	0.02	0.027	IO					0.79
96.500	0.00	0.02	0.027	IO					0.78
96.583	0.00	0.02	0.027	IO					0.78
96.667	0.00	0.02	0.027	IO					0.77
96.750	0.00	0.02	0.027	IO					0.77
96.833	0.00	0.02	0.026	IO					0.77
96.917	0.00	0.02	0.026	IO					0.76
97.000	0.00	0.02	0.026	IO					0.76
97.083	0.00	0.02	0.026	IO					0.75
97.167	0.00	0.02	0.026	IO					0.75
97.250	0.00	0.02	0.026	IO					0.75
97.333	0.00	0.02	0.026	IO					0.74
97.417	0.00	0.02	0.025	IO					0.74
97.500	0.00	0.02	0.025	IO					0.73
97.583	0.00	0.02	0.025	IO					0.73
97.667	0.00	0.02	0.025	IO					0.73

97.750	0.00	0.02	0.025	IO					0.72
97.833	0.00	0.02	0.025	IO					0.72
97.917	0.00	0.02	0.024	IO					0.71
98.000	0.00	0.02	0.024	IO					0.71
98.083	0.00	0.02	0.024	IO					0.71
98.167	0.00	0.02	0.024	IO					0.70
98.250	0.00	0.02	0.024	IO					0.70
98.333	0.00	0.02	0.024	IO					0.69
98.417	0.00	0.02	0.024	IO					0.69
98.500	0.00	0.02	0.023	IO					0.69
98.583	0.00	0.02	0.023	IO					0.68
98.667	0.00	0.02	0.023	IO					0.68
98.750	0.00	0.02	0.023	O					0.67
98.833	0.00	0.02	0.023	O					0.67
98.917	0.00	0.02	0.023	O					0.67
99.000	0.00	0.02	0.023	O					0.66
99.083	0.00	0.02	0.023	O					0.66
99.167	0.00	0.02	0.022	O					0.66
99.250	0.00	0.02	0.022	O					0.65
99.333	0.00	0.02	0.022	O					0.65
99.417	0.00	0.02	0.022	O					0.65
99.500	0.00	0.02	0.022	O					0.64
99.583	0.00	0.02	0.022	O					0.64
99.667	0.00	0.02	0.022	O					0.63
99.750	0.00	0.02	0.021	O					0.63
99.833	0.00	0.02	0.021	O					0.63
99.917	0.00	0.02	0.021	O					0.62
100.000	0.00	0.02	0.021	O					0.62
100.083	0.00	0.02	0.021	O					0.62
100.167	0.00	0.02	0.021	O					0.61
100.250	0.00	0.02	0.021	O					0.61
100.333	0.00	0.02	0.021	O					0.61
100.417	0.00	0.02	0.020	O					0.60
100.500	0.00	0.02	0.020	O					0.60
100.583	0.00	0.02	0.020	O					0.60
100.667	0.00	0.02	0.020	O					0.59
100.750	0.00	0.02	0.020	O					0.59
100.833	0.00	0.02	0.020	O					0.59
100.917	0.00	0.02	0.020	O					0.58
101.000	0.00	0.02	0.020	O					0.58
101.083	0.00	0.02	0.019	O					0.58
101.167	0.00	0.02	0.019	O					0.57
101.250	0.00	0.02	0.019	O					0.57
101.333	0.00	0.02	0.019	O					0.57
101.417	0.00	0.02	0.019	O					0.56
101.500	0.00	0.02	0.019	O					0.56
101.583	0.00	0.02	0.019	O					0.56
101.667	0.00	0.02	0.019	O					0.55
101.750	0.00	0.02	0.018	O					0.55
101.833	0.00	0.02	0.018	O					0.55

101.917	0.00	0.02	0.018	0					0.54
102.000	0.00	0.02	0.018	0					0.54
102.083	0.00	0.02	0.018	0					0.54
102.167	0.00	0.02	0.018	0					0.53
102.250	0.00	0.02	0.018	0					0.53
102.333	0.00	0.02	0.018	0					0.53
102.417	0.00	0.02	0.018	0					0.52
102.500	0.00	0.02	0.017	0					0.52
102.583	0.00	0.02	0.017	0					0.52
102.667	0.00	0.02	0.017	0					0.52
102.750	0.00	0.02	0.017	0					0.51
102.833	0.00	0.02	0.017	0					0.51
102.917	0.00	0.02	0.017	0					0.51
103.000	0.00	0.02	0.017	0					0.50
103.083	0.00	0.02	0.017	0					0.50
103.167	0.00	0.02	0.017	0					0.50
103.250	0.00	0.02	0.016	0					0.49
103.333	0.00	0.02	0.016	0					0.49
103.417	0.00	0.02	0.016	0					0.49
103.500	0.00	0.02	0.016	0					0.49
103.583	0.00	0.02	0.016	0					0.48
103.667	0.00	0.02	0.016	0					0.48
103.750	0.00	0.02	0.016	0					0.48
103.833	0.00	0.02	0.016	0					0.47
103.917	0.00	0.02	0.016	0					0.47
104.000	0.00	0.02	0.016	0					0.47
104.083	0.00	0.01	0.015	0					0.47
104.167	0.00	0.01	0.015	0					0.46
104.250	0.00	0.01	0.015	0					0.46
104.333	0.00	0.01	0.015	0					0.46
104.417	0.00	0.01	0.015	0					0.45
104.500	0.00	0.01	0.015	0					0.45
104.583	0.00	0.01	0.015	0					0.45
104.667	0.00	0.01	0.015	0					0.45
104.750	0.00	0.01	0.015	0					0.44
104.833	0.00	0.01	0.015	0					0.44
104.917	0.00	0.01	0.014	0					0.44
105.000	0.00	0.01	0.014	0					0.44
105.083	0.00	0.01	0.014	0					0.43
105.167	0.00	0.01	0.014	0					0.43
105.250	0.00	0.01	0.014	0					0.43
105.333	0.00	0.01	0.014	0					0.43
105.417	0.00	0.01	0.014	0					0.42
105.500	0.00	0.01	0.014	0					0.42
105.583	0.00	0.01	0.014	0					0.42
105.667	0.00	0.01	0.014	0					0.41
105.750	0.00	0.01	0.013	0					0.41
105.833	0.00	0.01	0.013	0					0.41
105.917	0.00	0.01	0.013	0					0.41
106.000	0.00	0.01	0.013	0					0.40

106.083	0.00	0.01	0.013	0					0.40
106.167	0.00	0.01	0.013	0					0.40
106.250	0.00	0.01	0.013	0					0.40
106.333	0.00	0.01	0.013	0					0.39
106.417	0.00	0.01	0.013	0					0.39
106.500	0.00	0.01	0.013	0					0.39
106.583	0.00	0.01	0.013	0					0.39
106.667	0.00	0.01	0.012	0					0.38
106.750	0.00	0.01	0.012	0					0.38
106.833	0.00	0.01	0.012	0					0.38
106.917	0.00	0.01	0.012	0					0.38
107.000	0.00	0.01	0.012	0					0.38
107.083	0.00	0.01	0.012	0					0.37
107.167	0.00	0.01	0.012	0					0.37
107.250	0.00	0.01	0.012	0					0.37
107.333	0.00	0.01	0.012	0					0.37
107.417	0.00	0.01	0.012	0					0.36
107.500	0.00	0.01	0.012	0					0.36
107.583	0.00	0.01	0.011	0					0.36
107.667	0.00	0.01	0.011	0					0.36
107.750	0.00	0.01	0.011	0					0.35
107.833	0.00	0.01	0.011	0					0.35
107.917	0.00	0.01	0.011	0					0.35
108.000	0.00	0.01	0.011	0					0.35
108.083	0.00	0.01	0.011	0					0.35
108.167	0.00	0.01	0.011	0					0.34
108.250	0.00	0.01	0.011	0					0.34
108.333	0.00	0.01	0.011	0					0.34
108.417	0.00	0.01	0.011	0					0.34
108.500	0.00	0.01	0.011	0					0.33
108.583	0.00	0.01	0.010	0					0.33
108.667	0.00	0.01	0.010	0					0.33
108.750	0.00	0.01	0.010	0					0.33
108.833	0.00	0.01	0.010	0					0.33
108.917	0.00	0.01	0.010	0					0.32
109.000	0.00	0.01	0.010	0					0.32
109.083	0.00	0.01	0.010	0					0.32
109.167	0.00	0.01	0.010	0					0.32
109.250	0.00	0.01	0.010	0					0.31
109.333	0.00	0.01	0.010	0					0.31
109.417	0.00	0.01	0.010	0					0.31
109.500	0.00	0.01	0.010	0					0.31
109.583	0.00	0.01	0.010	0					0.31
109.667	0.00	0.01	0.009	0					0.30
109.750	0.00	0.01	0.009	0					0.30
109.833	0.00	0.01	0.009	0					0.30
109.917	0.00	0.01	0.009	0					0.30
110.000	0.00	0.01	0.009	0					0.30
110.083	0.00	0.01	0.009	0					0.29
110.167	0.00	0.01	0.009	0					0.29

110.250	0.00	0.01	0.009	0					0.29
110.333	0.00	0.01	0.009	0					0.29
110.417	0.00	0.01	0.009	0					0.29
110.500	0.00	0.01	0.009	0					0.28
110.583	0.00	0.01	0.009	0					0.28
110.667	0.00	0.01	0.009	0					0.28
110.750	0.00	0.01	0.009	0					0.28
110.833	0.00	0.01	0.008	0					0.28
110.917	0.00	0.01	0.008	0					0.27
111.000	0.00	0.01	0.008	0					0.27
111.083	0.00	0.01	0.008	0					0.27
111.167	0.00	0.01	0.008	0					0.27
111.250	0.00	0.01	0.008	0					0.27
111.333	0.00	0.01	0.008	0					0.26
111.417	0.00	0.01	0.008	0					0.26
111.500	0.00	0.01	0.008	0					0.26
111.583	0.00	0.01	0.008	0					0.26
111.667	0.00	0.01	0.008	0					0.26
111.750	0.00	0.01	0.008	0					0.26
111.833	0.00	0.01	0.008	0					0.25
111.917	0.00	0.01	0.008	0					0.25
112.000	0.00	0.01	0.007	0					0.25
112.083	0.00	0.01	0.007	0					0.25
112.167	0.00	0.01	0.007	0					0.25
112.250	0.00	0.01	0.007	0					0.24
112.333	0.00	0.01	0.007	0					0.24
112.417	0.00	0.01	0.007	0					0.24
112.500	0.00	0.01	0.007	0					0.24
112.583	0.00	0.01	0.007	0					0.24
112.667	0.00	0.01	0.007	0					0.24
112.750	0.00	0.01	0.007	0					0.23
112.833	0.00	0.01	0.007	0					0.23
112.917	0.00	0.01	0.007	0					0.23
113.000	0.00	0.01	0.007	0					0.23
113.083	0.00	0.01	0.007	0					0.23
113.167	0.00	0.01	0.007	0					0.23
113.250	0.00	0.01	0.007	0					0.22
113.333	0.00	0.01	0.006	0					0.22
113.417	0.00	0.01	0.006	0					0.22
113.500	0.00	0.01	0.006	0					0.22
113.583	0.00	0.01	0.006	0					0.22
113.667	0.00	0.01	0.006	0					0.22
113.750	0.00	0.01	0.006	0					0.21
113.833	0.00	0.01	0.006	0					0.21
113.917	0.00	0.01	0.006	0					0.21
114.000	0.00	0.01	0.006	0					0.21
114.083	0.00	0.01	0.006	0					0.21
114.167	0.00	0.01	0.006	0					0.21
114.250	0.00	0.01	0.006	0					0.20
114.333	0.00	0.01	0.006	0					0.20

114.417	0.00	0.01	0.006	0					0.20
114.500	0.00	0.01	0.006	0					0.20
114.583	0.00	0.01	0.006	0					0.20
114.667	0.00	0.01	0.006	0					0.20
114.750	0.00	0.01	0.005	0					0.19
114.833	0.00	0.01	0.005	0					0.19
114.917	0.00	0.01	0.005	0					0.19
115.000	0.00	0.01	0.005	0					0.19
115.083	0.00	0.01	0.005	0					0.19
115.167	0.00	0.01	0.005	0					0.19
115.250	0.00	0.01	0.005	0					0.19
115.333	0.00	0.01	0.005	0					0.18
115.417	0.00	0.01	0.005	0					0.18
115.500	0.00	0.01	0.005	0					0.18
115.583	0.00	0.01	0.005	0					0.18
115.667	0.00	0.01	0.005	0					0.18
115.750	0.00	0.01	0.005	0					0.18
115.833	0.00	0.01	0.005	0					0.17
115.917	0.00	0.01	0.005	0					0.17
116.000	0.00	0.01	0.005	0					0.17
116.083	0.00	0.01	0.005	0					0.17
116.167	0.00	0.01	0.005	0					0.17
116.250	0.00	0.01	0.004	0					0.17
116.333	0.00	0.01	0.004	0					0.17
116.417	0.00	0.01	0.004	0					0.16
116.500	0.00	0.01	0.004	0					0.16
116.583	0.00	0.01	0.004	0					0.16
116.667	0.00	0.01	0.004	0					0.16
116.750	0.00	0.01	0.004	0					0.16
116.833	0.00	0.01	0.004	0					0.16
116.917	0.00	0.01	0.004	0					0.16
117.000	0.00	0.01	0.004	0					0.15
117.083	0.00	0.01	0.004	0					0.15
117.167	0.00	0.01	0.004	0					0.15
117.250	0.00	0.01	0.004	0					0.15
117.333	0.00	0.01	0.004	0					0.15
117.417	0.00	0.01	0.004	0					0.15
117.500	0.00	0.01	0.004	0					0.15
117.583	0.00	0.01	0.004	0					0.15
117.667	0.00	0.01	0.004	0					0.14
117.750	0.00	0.01	0.004	0					0.14
117.833	0.00	0.01	0.004	0					0.14
117.917	0.00	0.01	0.003	0					0.14
118.000	0.00	0.01	0.003	0					0.14
118.083	0.00	0.01	0.003	0					0.14
118.167	0.00	0.01	0.003	0					0.14
118.250	0.00	0.01	0.003	0					0.13
118.333	0.00	0.01	0.003	0					0.13
118.417	0.00	0.01	0.003	0					0.13
118.500	0.00	0.01	0.003	0					0.13

118.583	0.00	0.01	0.003	0					0.13
118.667	0.00	0.01	0.003	0					0.13
118.750	0.00	0.01	0.003	0					0.13
118.833	0.00	0.01	0.003	0					0.13
118.917	0.00	0.01	0.003	0					0.12
119.000	0.00	0.01	0.003	0					0.12
119.083	0.00	0.01	0.003	0					0.12
119.167	0.00	0.01	0.003	0					0.12
119.250	0.00	0.01	0.003	0					0.12
119.333	0.00	0.01	0.003	0					0.12
119.417	0.00	0.01	0.003	0					0.12
119.500	0.00	0.01	0.003	0					0.12
119.583	0.00	0.01	0.003	0					0.11
119.667	0.00	0.01	0.003	0					0.11
119.750	0.00	0.01	0.002	0					0.11
119.833	0.00	0.01	0.002	0					0.11
119.917	0.00	0.01	0.002	0					0.11
120.000	0.00	0.01	0.002	0					0.11
120.083	0.00	0.01	0.002	0					0.11
120.167	0.00	0.01	0.002	0					0.11
120.250	0.00	0.01	0.002	0					0.11
120.333	0.00	0.01	0.002	0					0.10
120.417	0.00	0.01	0.002	0					0.10
120.500	0.00	0.01	0.002	0					0.10
120.583	0.00	0.01	0.002	0					0.10
120.667	0.00	0.01	0.002	0					0.10
120.750	0.00	0.01	0.002	0					0.10
120.833	0.00	0.01	0.002	0					0.10
120.917	0.00	0.01	0.002	0					0.09
121.000	0.00	0.01	0.002	0					0.09
121.083	0.00	0.01	0.002	0					0.09
121.167	0.00	0.01	0.002	0					0.09
121.250	0.00	0.01	0.002	0					0.09
121.333	0.00	0.01	0.002	0					0.08
121.417	0.00	0.00	0.002	0					0.08
121.500	0.00	0.00	0.002	0					0.08
121.583	0.00	0.00	0.002	0					0.08
121.667	0.00	0.00	0.002	0					0.08
121.750	0.00	0.00	0.002	0					0.08
121.833	0.00	0.00	0.001	0					0.07
121.917	0.00	0.00	0.001	0					0.07
122.000	0.00	0.00	0.001	0					0.07
122.083	0.00	0.00	0.001	0					0.07
122.167	0.00	0.00	0.001	0					0.07
122.250	0.00	0.00	0.001	0					0.07
122.333	0.00	0.00	0.001	0					0.07
122.417	0.00	0.00	0.001	0					0.06
122.500	0.00	0.00	0.001	0					0.06
122.583	0.00	0.00	0.001	0					0.06
122.667	0.00	0.00	0.001	0					0.06

122.750	0.00	0.00	0.001	0					0.06
122.833	0.00	0.00	0.001	0					0.06
122.917	0.00	0.00	0.001	0					0.06
123.000	0.00	0.00	0.001	0					0.06
123.083	0.00	0.00	0.001	0					0.05
123.167	0.00	0.00	0.001	0					0.05
123.250	0.00	0.00	0.001	0					0.05
123.333	0.00	0.00	0.001	0					0.05
123.417	0.00	0.00	0.001	0					0.05
123.500	0.00	0.00	0.001	0					0.05
123.583	0.00	0.00	0.001	0					0.05
123.667	0.00	0.00	0.001	0					0.05
123.750	0.00	0.00	0.001	0					0.05
123.833	0.00	0.00	0.001	0					0.05
123.917	0.00	0.00	0.001	0					0.04
124.000	0.00	0.00	0.001	0					0.04
124.083	0.00	0.00	0.001	0					0.04
124.167	0.00	0.00	0.001	0					0.04
124.250	0.00	0.00	0.001	0					0.04
124.333	0.00	0.00	0.001	0					0.04
124.417	0.00	0.00	0.001	0					0.04
124.500	0.00	0.00	0.001	0					0.04
124.583	0.00	0.00	0.001	0					0.04
124.667	0.00	0.00	0.001	0					0.04
124.750	0.00	0.00	0.001	0					0.04
124.833	0.00	0.00	0.001	0					0.04
124.917	0.00	0.00	0.001	0					0.03
125.000	0.00	0.00	0.001	0					0.03
125.083	0.00	0.00	0.001	0					0.03
125.167	0.00	0.00	0.001	0					0.03
125.250	0.00	0.00	0.001	0					0.03
125.333	0.00	0.00	0.001	0					0.03
125.417	0.00	0.00	0.001	0					0.03
125.500	0.00	0.00	0.001	0					0.03
125.583	0.00	0.00	0.001	0					0.03
125.667	0.00	0.00	0.001	0					0.03
125.750	0.00	0.00	0.001	0					0.03
125.833	0.00	0.00	0.001	0					0.03
125.917	0.00	0.00	0.001	0					0.03
126.000	0.00	0.00	0.001	0					0.03
126.083	0.00	0.00	0.001	0					0.03
126.167	0.00	0.00	0.001	0					0.03
126.250	0.00	0.00	0.000	0					0.02
126.333	0.00	0.00	0.000	0					0.02
126.417	0.00	0.00	0.000	0					0.02
126.500	0.00	0.00	0.000	0					0.02
126.583	0.00	0.00	0.000	0					0.02
126.667	0.00	0.00	0.000	0					0.02
126.750	0.00	0.00	0.000	0					0.02
126.833	0.00	0.00	0.000	0					0.02

126.917	0.00	0.00	0.000	0					0.02
127.000	0.00	0.00	0.000	0					0.02
127.083	0.00	0.00	0.000	0					0.02
127.167	0.00	0.00	0.000	0					0.02
127.250	0.00	0.00	0.000	0					0.02
127.333	0.00	0.00	0.000	0					0.02
127.417	0.00	0.00	0.000	0					0.02
127.500	0.00	0.00	0.000	0					0.02
127.583	0.00	0.00	0.000	0					0.02
127.667	0.00	0.00	0.000	0					0.02
127.750	0.00	0.00	0.000	0					0.02
127.833	0.00	0.00	0.000	0					0.02
127.917	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1535

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.122 (CFS)

Total volume = 0.388 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
5 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da465.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.051 (CFS)
Total volume = 0.233 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.5	1.03	1.54	2.05	Depth (Ft.)
0.083	0.10	0.00	0.000	OI					0.02
0.167	0.18	0.00	0.001	O I					0.07
0.250	0.19	0.01	0.003	O I					0.12
0.333	0.19	0.01	0.004	O I					0.15
0.417	0.19	0.01	0.005	O I					0.19
0.500	0.22	0.01	0.006	O I					0.22
0.583	0.23	0.01	0.008	O I					0.26
0.667	0.23	0.01	0.009	O I					0.30
0.750	0.23	0.01	0.011	O I					0.34
0.833	0.23	0.01	0.012	O I					0.38
0.917	0.23	0.01	0.014	O I					0.42
1.000	0.25	0.01	0.015	O I					0.47
1.083	0.26	0.02	0.017	O I					0.51
1.167	0.26	0.02	0.019	O I					0.56
1.250	0.26	0.02	0.020	O I					0.60
1.333	0.26	0.02	0.022	O I					0.65
1.417	0.26	0.02	0.024	O I					0.69
1.500	0.26	0.02	0.025	O I					0.74
1.583	0.26	0.02	0.027	O I					0.78
1.667	0.26	0.02	0.029	O I					0.83
1.750	0.26	0.02	0.030	O I					0.87
1.833	0.26	0.03	0.032	O I					0.91

1.917	0.26	0.03	0.033	0	I						0.96
2.000	0.28	0.03	0.035	0	I						1.00
2.083	0.27	0.03	0.037	0	I						1.03
2.167	0.28	0.03	0.039	0	I						1.06
2.250	0.29	0.03	0.040	0	I						1.09
2.333	0.29	0.03	0.042	0	I						1.12
2.417	0.29	0.03	0.044	0	I						1.16
2.500	0.29	0.03	0.046	0	I						1.19
2.583	0.29	0.03	0.048	0	I						1.22
2.667	0.29	0.03	0.049	0	I						1.25
2.750	0.31	0.03	0.051	0	I						1.28
2.833	0.32	0.03	0.053	0	I						1.32
2.917	0.32	0.03	0.055	0	I						1.35
3.000	0.32	0.03	0.057	0	I						1.39
3.083	0.32	0.03	0.059	0	I						1.42
3.167	0.35	0.03	0.061	0	I						1.46
3.250	0.36	0.03	0.063	0	I						1.50
3.333	0.36	0.03	0.066	0	I						1.54
3.417	0.38	0.03	0.068	0	I						1.58
3.500	0.41	0.03	0.070	0	I						1.62
3.583	0.44	0.04	0.073	0	I						1.67
3.667	0.45	0.04	0.076	0	I						1.72
3.750	0.48	0.04	0.079	0	I						1.77
3.833	0.49	0.04	0.082	0	I						1.82
3.917	0.51	0.04	0.085	0	I						1.88
4.000	0.52	0.04	0.088	0	I						1.94
4.083	0.54	0.04	0.092	0	I						2.00
4.167	0.57	0.04	0.095	0	I						2.05
4.250	0.60	0.04	0.099	0	I						2.11
4.333	0.64	0.04	0.103	0	I						2.16
4.417	0.67	0.04	0.107	0	I						2.23
4.500	0.68	0.04	0.112	0	I						2.29
4.583	0.70	0.04	0.116	0	I						2.36
4.667	0.74	0.04	0.121	0	I						2.42
4.750	0.78	0.04	0.126	0	I						2.50
4.833	0.79	0.04	0.131	0	I						2.57
4.917	0.82	0.04	0.136	0	I						2.65
5.000	0.87	0.05	0.142	0	I						2.73
5.083	1.02	0.05	0.148	0	I						2.82
5.167	1.24	0.05	0.155	0	I						2.93
5.250	1.40	0.05	0.164	0	I						3.06
5.333	1.53	0.05	0.174	0	I						3.20
5.417	1.72	0.05	0.185	0	I						3.35
5.500	2.05	0.05	0.197	0	I						3.53
5.583	1.17	0.05	0.208	0	I						3.69
5.667	0.46	0.05	0.213	0	I						3.76
5.750	0.24	0.05	0.215	0	I						3.79
5.833	0.18	0.05	0.216	0	I						3.81
5.917	0.12	0.05	0.217	0	I						3.82
6.000	0.08	0.05	0.217	0	I						3.82

6.083	0.02	0.05	0.217	0					3.82
6.167	0.00	0.05	0.217	0					3.82
6.250	0.00	0.05	0.217	0					3.81
6.333	0.00	0.05	0.216	0					3.81
6.417	0.00	0.05	0.216	0					3.80
6.500	0.00	0.05	0.216	0					3.79
6.583	0.00	0.05	0.215	0					3.79
6.667	0.00	0.05	0.215	0					3.78
6.750	0.00	0.05	0.215	0					3.78
6.833	0.00	0.05	0.214	0					3.77
6.917	0.00	0.05	0.214	0					3.77
7.000	0.00	0.05	0.213	0					3.76
7.083	0.00	0.05	0.213	0					3.76
7.167	0.00	0.05	0.213	0					3.75
7.250	0.00	0.05	0.212	0					3.75
7.333	0.00	0.05	0.212	0					3.74
7.417	0.00	0.05	0.212	0					3.74
7.500	0.00	0.05	0.211	0					3.73
7.583	0.00	0.05	0.211	0					3.73
7.667	0.00	0.05	0.210	0					3.72
7.750	0.00	0.05	0.210	0					3.71
7.833	0.00	0.05	0.210	0					3.71
7.917	0.00	0.05	0.209	0					3.70
8.000	0.00	0.05	0.209	0					3.70
8.083	0.00	0.05	0.209	0					3.69
8.167	0.00	0.05	0.208	0					3.69
8.250	0.00	0.05	0.208	0					3.68
8.333	0.00	0.05	0.207	0					3.68
8.417	0.00	0.05	0.207	0					3.67
8.500	0.00	0.05	0.207	0					3.67
8.583	0.00	0.05	0.206	0					3.66
8.667	0.00	0.05	0.206	0					3.66
8.750	0.00	0.05	0.206	0					3.65
8.833	0.00	0.05	0.205	0					3.65
8.917	0.00	0.05	0.205	0					3.64
9.000	0.00	0.05	0.205	0					3.64
9.083	0.00	0.05	0.204	0					3.63
9.167	0.00	0.05	0.204	0					3.63
9.250	0.00	0.05	0.203	0					3.62
9.333	0.00	0.05	0.203	0					3.62
9.417	0.00	0.05	0.203	0					3.61
9.500	0.00	0.05	0.202	0					3.60
9.583	0.00	0.05	0.202	0					3.60
9.667	0.00	0.05	0.202	0					3.59
9.750	0.00	0.05	0.201	0					3.59
9.833	0.00	0.05	0.201	0					3.58
9.917	0.00	0.05	0.201	0					3.58
10.000	0.00	0.05	0.200	0					3.57
10.083	0.00	0.05	0.200	0					3.57
10.167	0.00	0.05	0.199	0					3.56

10.250	0.00	0.05	0.199	0					3.56
10.333	0.00	0.05	0.199	0					3.55
10.417	0.00	0.05	0.198	0					3.55
10.500	0.00	0.05	0.198	0					3.54
10.583	0.00	0.05	0.198	0					3.54
10.667	0.00	0.05	0.197	0					3.53
10.750	0.00	0.05	0.197	0					3.53
10.833	0.00	0.05	0.197	0					3.52
10.917	0.00	0.05	0.196	0					3.52
11.000	0.00	0.05	0.196	0					3.51
11.083	0.00	0.05	0.195	0					3.51
11.167	0.00	0.05	0.195	0					3.50
11.250	0.00	0.05	0.195	0					3.50
11.333	0.00	0.05	0.194	0					3.49
11.417	0.00	0.05	0.194	0					3.49
11.500	0.00	0.05	0.194	0					3.48
11.583	0.00	0.05	0.193	0					3.48
11.667	0.00	0.05	0.193	0					3.47
11.750	0.00	0.05	0.193	0					3.47
11.833	0.00	0.05	0.192	0					3.46
11.917	0.00	0.05	0.192	0					3.46
12.000	0.00	0.05	0.192	0					3.45
12.083	0.00	0.05	0.191	0					3.45
12.167	0.00	0.05	0.191	0					3.44
12.250	0.00	0.05	0.190	0					3.44
12.333	0.00	0.05	0.190	0					3.43
12.417	0.00	0.05	0.190	0					3.43
12.500	0.00	0.05	0.189	0					3.42
12.583	0.00	0.05	0.189	0					3.42
12.667	0.00	0.05	0.189	0					3.41
12.750	0.00	0.05	0.188	0					3.41
12.833	0.00	0.05	0.188	0					3.40
12.917	0.00	0.05	0.188	0					3.40
13.000	0.00	0.05	0.187	0					3.39
13.083	0.00	0.05	0.187	0					3.39
13.167	0.00	0.05	0.187	0					3.38
13.250	0.00	0.05	0.186	0					3.38
13.333	0.00	0.05	0.186	0					3.37
13.417	0.00	0.05	0.186	0					3.37
13.500	0.00	0.05	0.185	0					3.36
13.583	0.00	0.05	0.185	0					3.36
13.667	0.00	0.05	0.185	0					3.35
13.750	0.00	0.05	0.184	0					3.35
13.833	0.00	0.05	0.184	0					3.34
13.917	0.00	0.05	0.183	0					3.34
14.000	0.00	0.05	0.183	0					3.33
14.083	0.00	0.05	0.183	0					3.33
14.167	0.00	0.05	0.182	0					3.32
14.250	0.00	0.05	0.182	0					3.32
14.333	0.00	0.05	0.182	0					3.31

14.417	0.00	0.05	0.181	0					3.31
14.500	0.00	0.05	0.181	0					3.30
14.583	0.00	0.05	0.181	0					3.30
14.667	0.00	0.05	0.180	0					3.29
14.750	0.00	0.05	0.180	0					3.29
14.833	0.00	0.05	0.180	0					3.28
14.917	0.00	0.05	0.179	0					3.28
15.000	0.00	0.05	0.179	0					3.27
15.083	0.00	0.05	0.179	0					3.27
15.167	0.00	0.05	0.178	0					3.26
15.250	0.00	0.05	0.178	0					3.26
15.333	0.00	0.05	0.178	0					3.25
15.417	0.00	0.05	0.177	0					3.25
15.500	0.00	0.05	0.177	0					3.24
15.583	0.00	0.05	0.177	0					3.24
15.667	0.00	0.05	0.176	0					3.23
15.750	0.00	0.05	0.176	0					3.23
15.833	0.00	0.05	0.175	0					3.22
15.917	0.00	0.05	0.175	0					3.22
16.000	0.00	0.05	0.175	0					3.21
16.083	0.00	0.05	0.174	0					3.21
16.167	0.00	0.05	0.174	0					3.20
16.250	0.00	0.05	0.174	0					3.20
16.333	0.00	0.05	0.173	0					3.19
16.417	0.00	0.05	0.173	0					3.19
16.500	0.00	0.05	0.173	0					3.18
16.583	0.00	0.05	0.172	0					3.18
16.667	0.00	0.05	0.172	0					3.17
16.750	0.00	0.05	0.172	0					3.17
16.833	0.00	0.05	0.171	0					3.16
16.917	0.00	0.05	0.171	0					3.16
17.000	0.00	0.05	0.171	0					3.15
17.083	0.00	0.05	0.170	0					3.15
17.167	0.00	0.05	0.170	0					3.14
17.250	0.00	0.05	0.170	0					3.14
17.333	0.00	0.05	0.169	0					3.13
17.417	0.00	0.05	0.169	0					3.13
17.500	0.00	0.05	0.169	0					3.12
17.583	0.00	0.05	0.168	0					3.12
17.667	0.00	0.05	0.168	0					3.11
17.750	0.00	0.05	0.168	0					3.11
17.833	0.00	0.05	0.167	0					3.10
17.917	0.00	0.05	0.167	0					3.10
18.000	0.00	0.05	0.167	0					3.10
18.083	0.00	0.05	0.166	0					3.09
18.167	0.00	0.05	0.166	0					3.09
18.250	0.00	0.05	0.166	0					3.08
18.333	0.00	0.05	0.165	0					3.08
18.417	0.00	0.05	0.165	0					3.07
18.500	0.00	0.05	0.165	0					3.07

18.583	0.00	0.05	0.164	0					3.06
18.667	0.00	0.05	0.164	0					3.06
18.750	0.00	0.05	0.164	0					3.05
18.833	0.00	0.05	0.163	0					3.05
18.917	0.00	0.05	0.163	0					3.04
19.000	0.00	0.05	0.163	0					3.04
19.083	0.00	0.05	0.162	0					3.03
19.167	0.00	0.05	0.162	0					3.03
19.250	0.00	0.05	0.162	0					3.02
19.333	0.00	0.05	0.161	0					3.02
19.417	0.00	0.05	0.161	0					3.01
19.500	0.00	0.05	0.161	0					3.01
19.583	0.00	0.05	0.160	0					3.00
19.667	0.00	0.05	0.160	0					3.00
19.750	0.00	0.05	0.160	0					3.00
19.833	0.00	0.05	0.159	0					2.99
19.917	0.00	0.05	0.159	0					2.99
20.000	0.00	0.05	0.159	0					2.98
20.083	0.00	0.05	0.158	0					2.98
20.167	0.00	0.05	0.158	0					2.97
20.250	0.00	0.05	0.158	0					2.97
20.333	0.00	0.05	0.157	0					2.96
20.417	0.00	0.05	0.157	0					2.96
20.500	0.00	0.05	0.157	0					2.95
20.583	0.00	0.05	0.156	0					2.95
20.667	0.00	0.05	0.156	0					2.94
20.750	0.00	0.05	0.156	0					2.94
20.833	0.00	0.05	0.155	0					2.93
20.917	0.00	0.05	0.155	0					2.93
21.000	0.00	0.05	0.155	0					2.92
21.083	0.00	0.05	0.154	0					2.92
21.167	0.00	0.05	0.154	0					2.91
21.250	0.00	0.05	0.154	0					2.91
21.333	0.00	0.05	0.153	0					2.90
21.417	0.00	0.05	0.153	0					2.90
21.500	0.00	0.05	0.153	0					2.89
21.583	0.00	0.05	0.152	0					2.89
21.667	0.00	0.05	0.152	0					2.88
21.750	0.00	0.05	0.152	0					2.88
21.833	0.00	0.05	0.152	0					2.88
21.917	0.00	0.05	0.151	0					2.87
22.000	0.00	0.05	0.151	0					2.87
22.083	0.00	0.05	0.151	0					2.86
22.167	0.00	0.05	0.150	0					2.86
22.250	0.00	0.05	0.150	0					2.85
22.333	0.00	0.05	0.150	0					2.85
22.417	0.00	0.05	0.149	0					2.84
22.500	0.00	0.05	0.149	0					2.84
22.583	0.00	0.05	0.149	0					2.83
22.667	0.00	0.05	0.148	0					2.83

22.750	0.00	0.05	0.148	0					2.82
22.833	0.00	0.05	0.148	0					2.82
22.917	0.00	0.05	0.147	0					2.81
23.000	0.00	0.05	0.147	0					2.81
23.083	0.00	0.05	0.147	0					2.80
23.167	0.00	0.05	0.146	0					2.80
23.250	0.00	0.05	0.146	0					2.80
23.333	0.00	0.05	0.146	0					2.79
23.417	0.00	0.05	0.145	0					2.79
23.500	0.00	0.05	0.145	0					2.78
23.583	0.00	0.05	0.145	0					2.78
23.667	0.00	0.05	0.144	0					2.77
23.750	0.00	0.05	0.144	0					2.77
23.833	0.00	0.05	0.144	0					2.76
23.917	0.00	0.05	0.144	0					2.76
24.000	0.00	0.05	0.143	0					2.75
24.083	0.00	0.05	0.143	0					2.75
24.167	0.00	0.05	0.143	0					2.74
24.250	0.00	0.05	0.142	0					2.74
24.333	0.00	0.05	0.142	0					2.73
24.417	0.00	0.05	0.142	0					2.73
24.500	0.00	0.05	0.141	0					2.73
24.583	0.00	0.05	0.141	0					2.72
24.667	0.00	0.05	0.141	0					2.72
24.750	0.00	0.05	0.140	0					2.71
24.833	0.00	0.05	0.140	0					2.71
24.917	0.00	0.05	0.140	0					2.70
25.000	0.00	0.05	0.139	0					2.70
25.083	0.00	0.05	0.139	0					2.69
25.167	0.00	0.05	0.139	0					2.69
25.250	0.00	0.05	0.139	0					2.68
25.333	0.00	0.05	0.138	0					2.68
25.417	0.00	0.05	0.138	0					2.68
25.500	0.00	0.05	0.138	0					2.67
25.583	0.00	0.04	0.137	0					2.67
25.667	0.00	0.04	0.137	0					2.66
25.750	0.00	0.04	0.137	0					2.66
25.833	0.00	0.04	0.136	0					2.65
25.917	0.00	0.04	0.136	0					2.65
26.000	0.00	0.04	0.136	0					2.64
26.083	0.00	0.04	0.135	0					2.64
26.167	0.00	0.04	0.135	0					2.63
26.250	0.00	0.04	0.135	0					2.63
26.333	0.00	0.04	0.135	0					2.63
26.417	0.00	0.04	0.134	0					2.62
26.500	0.00	0.04	0.134	0					2.62
26.583	0.00	0.04	0.134	0					2.61
26.667	0.00	0.04	0.133	0					2.61
26.750	0.00	0.04	0.133	0					2.60
26.833	0.00	0.04	0.133	0					2.60

26.917	0.00	0.04	0.132	0					2.59
27.000	0.00	0.04	0.132	0					2.59
27.083	0.00	0.04	0.132	0					2.58
27.167	0.00	0.04	0.131	0					2.58
27.250	0.00	0.04	0.131	0					2.58
27.333	0.00	0.04	0.131	0					2.57
27.417	0.00	0.04	0.131	0					2.57
27.500	0.00	0.04	0.130	0					2.56
27.583	0.00	0.04	0.130	0					2.56
27.667	0.00	0.04	0.130	0					2.55
27.750	0.00	0.04	0.129	0					2.55
27.833	0.00	0.04	0.129	0					2.54
27.917	0.00	0.04	0.129	0					2.54
28.000	0.00	0.04	0.128	0					2.54
28.083	0.00	0.04	0.128	0					2.53
28.167	0.00	0.04	0.128	0					2.53
28.250	0.00	0.04	0.128	0					2.52
28.333	0.00	0.04	0.127	0					2.52
28.417	0.00	0.04	0.127	0					2.51
28.500	0.00	0.04	0.127	0					2.51
28.583	0.00	0.04	0.126	0					2.50
28.667	0.00	0.04	0.126	0					2.50
28.750	0.00	0.04	0.126	0					2.50
28.833	0.00	0.04	0.125	0					2.49
28.917	0.00	0.04	0.125	0					2.49
29.000	0.00	0.04	0.125	0					2.48
29.083	0.00	0.04	0.125	0					2.48
29.167	0.00	0.04	0.124	0					2.47
29.250	0.00	0.04	0.124	0					2.47
29.333	0.00	0.04	0.124	0					2.47
29.417	0.00	0.04	0.123	0					2.46
29.500	0.00	0.04	0.123	0					2.46
29.583	0.00	0.04	0.123	0					2.45
29.667	0.00	0.04	0.122	0					2.45
29.750	0.00	0.04	0.122	0					2.44
29.833	0.00	0.04	0.122	0					2.44
29.917	0.00	0.04	0.122	0					2.43
30.000	0.00	0.04	0.121	0					2.43
30.083	0.00	0.04	0.121	0					2.43
30.167	0.00	0.04	0.121	0					2.42
30.250	0.00	0.04	0.120	0					2.42
30.333	0.00	0.04	0.120	0					2.41
30.417	0.00	0.04	0.120	0					2.41
30.500	0.00	0.04	0.119	0					2.40
30.583	0.00	0.04	0.119	0					2.40
30.667	0.00	0.04	0.119	0					2.40
30.750	0.00	0.04	0.119	0					2.39
30.833	0.00	0.04	0.118	0					2.39
30.917	0.00	0.04	0.118	0					2.38
31.000	0.00	0.04	0.118	0					2.38

31.083	0.00	0.04	0.117	0					2.37
31.167	0.00	0.04	0.117	0					2.37
31.250	0.00	0.04	0.117	0					2.37
31.333	0.00	0.04	0.117	0					2.36
31.417	0.00	0.04	0.116	0					2.36
31.500	0.00	0.04	0.116	0					2.35
31.583	0.00	0.04	0.116	0					2.35
31.667	0.00	0.04	0.115	0					2.34
31.750	0.00	0.04	0.115	0					2.34
31.833	0.00	0.04	0.115	0					2.34
31.917	0.00	0.04	0.115	0					2.33
32.000	0.00	0.04	0.114	0					2.33
32.083	0.00	0.04	0.114	0					2.32
32.167	0.00	0.04	0.114	0					2.32
32.250	0.00	0.04	0.113	0					2.31
32.333	0.00	0.04	0.113	0					2.31
32.417	0.00	0.04	0.113	0					2.31
32.500	0.00	0.04	0.113	0					2.30
32.583	0.00	0.04	0.112	0					2.30
32.667	0.00	0.04	0.112	0					2.29
32.750	0.00	0.04	0.112	0					2.29
32.833	0.00	0.04	0.111	0					2.28
32.917	0.00	0.04	0.111	0					2.28
33.000	0.00	0.04	0.111	0					2.28
33.083	0.00	0.04	0.111	0					2.27
33.167	0.00	0.04	0.110	0					2.27
33.250	0.00	0.04	0.110	0					2.26
33.333	0.00	0.04	0.110	0					2.26
33.417	0.00	0.04	0.109	0					2.26
33.500	0.00	0.04	0.109	0					2.25
33.583	0.00	0.04	0.109	0					2.25
33.667	0.00	0.04	0.109	0					2.24
33.750	0.00	0.04	0.108	0					2.24
33.833	0.00	0.04	0.108	0					2.23
33.917	0.00	0.04	0.108	0					2.23
34.000	0.00	0.04	0.107	0					2.23
34.083	0.00	0.04	0.107	0					2.22
34.167	0.00	0.04	0.107	0					2.22
34.250	0.00	0.04	0.107	0					2.21
34.333	0.00	0.04	0.106	0					2.21
34.417	0.00	0.04	0.106	0					2.21
34.500	0.00	0.04	0.106	0					2.20
34.583	0.00	0.04	0.105	0					2.20
34.667	0.00	0.04	0.105	0					2.19
34.750	0.00	0.04	0.105	0					2.19
34.833	0.00	0.04	0.105	0					2.18
34.917	0.00	0.04	0.104	0					2.18
35.000	0.00	0.04	0.104	0					2.18
35.083	0.00	0.04	0.104	0					2.17
35.167	0.00	0.04	0.103	0					2.17

35.250	0.00	0.04	0.103	0					2.16
35.333	0.00	0.04	0.103	0					2.16
35.417	0.00	0.04	0.103	0					2.16
35.500	0.00	0.04	0.102	0					2.15
35.583	0.00	0.04	0.102	0					2.15
35.667	0.00	0.04	0.102	0					2.14
35.750	0.00	0.04	0.102	0					2.14
35.833	0.00	0.04	0.101	0					2.14
35.917	0.00	0.04	0.101	0					2.13
36.000	0.00	0.04	0.101	0					2.13
36.083	0.00	0.04	0.100	0					2.12
36.167	0.00	0.04	0.100	0					2.12
36.250	0.00	0.04	0.100	0					2.12
36.333	0.00	0.04	0.100	0					2.11
36.417	0.00	0.04	0.099	0					2.11
36.500	0.00	0.04	0.099	0					2.10
36.583	0.00	0.04	0.099	0					2.10
36.667	0.00	0.04	0.098	0					2.10
36.750	0.00	0.04	0.098	0					2.09
36.833	0.00	0.04	0.098	0					2.09
36.917	0.00	0.04	0.098	0					2.08
37.000	0.00	0.04	0.097	0					2.08
37.083	0.00	0.04	0.097	0					2.08
37.167	0.00	0.04	0.097	0					2.07
37.250	0.00	0.04	0.097	0					2.07
37.333	0.00	0.04	0.096	0					2.06
37.417	0.00	0.04	0.096	0					2.06
37.500	0.00	0.04	0.096	0					2.05
37.583	0.00	0.04	0.095	0					2.05
37.667	0.00	0.04	0.095	0					2.05
37.750	0.00	0.04	0.095	0					2.04
37.833	0.00	0.04	0.095	0					2.04
37.917	0.00	0.04	0.094	0					2.04
38.000	0.00	0.04	0.094	0					2.03
38.083	0.00	0.04	0.094	0					2.03
38.167	0.00	0.04	0.094	0					2.02
38.250	0.00	0.04	0.093	0					2.02
38.333	0.00	0.04	0.093	0					2.02
38.417	0.00	0.04	0.093	0					2.01
38.500	0.00	0.04	0.092	0					2.01
38.583	0.00	0.04	0.092	0					2.00
38.667	0.00	0.04	0.092	0					2.00
38.750	0.00	0.04	0.092	0					1.99
38.833	0.00	0.04	0.091	0					1.99
38.917	0.00	0.04	0.091	0					1.99
39.000	0.00	0.04	0.091	0					1.98
39.083	0.00	0.04	0.091	0					1.98
39.167	0.00	0.04	0.090	0					1.97
39.250	0.00	0.04	0.090	0					1.97
39.333	0.00	0.04	0.090	0					1.96

39.417	0.00	0.04	0.090	0					1.96
39.500	0.00	0.04	0.089	0					1.95
39.583	0.00	0.04	0.089	0					1.95
39.667	0.00	0.04	0.089	0					1.94
39.750	0.00	0.04	0.088	0					1.94
39.833	0.00	0.04	0.088	0					1.93
39.917	0.00	0.04	0.088	0					1.93
40.000	0.00	0.04	0.088	0					1.92
40.083	0.00	0.04	0.087	0					1.92
40.167	0.00	0.04	0.087	0					1.92
40.250	0.00	0.04	0.087	0					1.91
40.333	0.00	0.04	0.087	0					1.91
40.417	0.00	0.04	0.086	0					1.90
40.500	0.00	0.04	0.086	0					1.90
40.583	0.00	0.04	0.086	0					1.89
40.667	0.00	0.04	0.086	0					1.89
40.750	0.00	0.04	0.085	0					1.88
40.833	0.00	0.04	0.085	0					1.88
40.917	0.00	0.04	0.085	0					1.87
41.000	0.00	0.04	0.085	0					1.87
41.083	0.00	0.04	0.084	0					1.87
41.167	0.00	0.04	0.084	0					1.86
41.250	0.00	0.04	0.084	0					1.86
41.333	0.00	0.04	0.084	0					1.85
41.417	0.00	0.04	0.083	0					1.85
41.500	0.00	0.04	0.083	0					1.84
41.583	0.00	0.04	0.083	0					1.84
41.667	0.00	0.04	0.083	0					1.83
41.750	0.00	0.04	0.082	0					1.83
41.833	0.00	0.04	0.082	0					1.82
41.917	0.00	0.04	0.082	0					1.82
42.000	0.00	0.04	0.081	0					1.82
42.083	0.00	0.04	0.081	0					1.81
42.167	0.00	0.04	0.081	0					1.81
42.250	0.00	0.04	0.081	0					1.80
42.333	0.00	0.04	0.080	0					1.80
42.417	0.00	0.04	0.080	0					1.79
42.500	0.00	0.04	0.080	0					1.79
42.583	0.00	0.04	0.080	0					1.78
42.667	0.00	0.04	0.079	0					1.78
42.750	0.00	0.04	0.079	0					1.78
42.833	0.00	0.04	0.079	0					1.77
42.917	0.00	0.04	0.079	0					1.77
43.000	0.00	0.04	0.078	0					1.76
43.083	0.00	0.04	0.078	0					1.76
43.167	0.00	0.04	0.078	0					1.75
43.250	0.00	0.04	0.078	0					1.75
43.333	0.00	0.04	0.077	0					1.74
43.417	0.00	0.04	0.077	0					1.74
43.500	0.00	0.04	0.077	0					1.74

43.583	0.00	0.04	0.077	0					1.73
43.667	0.00	0.04	0.076	0					1.73
43.750	0.00	0.04	0.076	0					1.72
43.833	0.00	0.04	0.076	0					1.72
43.917	0.00	0.04	0.076	0					1.71
44.000	0.00	0.04	0.075	0					1.71
44.083	0.00	0.04	0.075	0					1.71
44.167	0.00	0.04	0.075	0					1.70
44.250	0.00	0.04	0.075	0					1.70
44.333	0.00	0.04	0.074	0					1.69
44.417	0.00	0.04	0.074	0					1.69
44.500	0.00	0.04	0.074	0					1.68
44.583	0.00	0.04	0.074	0					1.68
44.667	0.00	0.04	0.074	0					1.68
44.750	0.00	0.04	0.073	0					1.67
44.833	0.00	0.04	0.073	0					1.67
44.917	0.00	0.04	0.073	0					1.66
45.000	0.00	0.04	0.073	0					1.66
45.083	0.00	0.04	0.072	0					1.65
45.167	0.00	0.04	0.072	0					1.65
45.250	0.00	0.04	0.072	0					1.65
45.333	0.00	0.04	0.072	0					1.64
45.417	0.00	0.04	0.071	0					1.64
45.500	0.00	0.03	0.071	0					1.63
45.583	0.00	0.03	0.071	0					1.63
45.667	0.00	0.03	0.071	0					1.62
45.750	0.00	0.03	0.070	0					1.62
45.833	0.00	0.03	0.070	0					1.62
45.917	0.00	0.03	0.070	0					1.61
46.000	0.00	0.03	0.070	0					1.61
46.083	0.00	0.03	0.069	0					1.60
46.167	0.00	0.03	0.069	0					1.60
46.250	0.00	0.03	0.069	0					1.60
46.333	0.00	0.03	0.069	0					1.59
46.417	0.00	0.03	0.068	0					1.59
46.500	0.00	0.03	0.068	0					1.58
46.583	0.00	0.03	0.068	0					1.58
46.667	0.00	0.03	0.068	0					1.57
46.750	0.00	0.03	0.068	0					1.57
46.833	0.00	0.03	0.067	0					1.57
46.917	0.00	0.03	0.067	0					1.56
47.000	0.00	0.03	0.067	0					1.56
47.083	0.00	0.03	0.067	0					1.55
47.167	0.00	0.03	0.066	0					1.55
47.250	0.00	0.03	0.066	0					1.55
47.333	0.00	0.03	0.066	0					1.54
47.417	0.00	0.03	0.066	0					1.54
47.500	0.00	0.03	0.065	0					1.53
47.583	0.00	0.03	0.065	0					1.53
47.667	0.00	0.03	0.065	0					1.53

47.750	0.00	0.03	0.065	0					1.52
47.833	0.00	0.03	0.064	0					1.52
47.917	0.00	0.03	0.064	0					1.51
48.000	0.00	0.03	0.064	0					1.51
48.083	0.00	0.03	0.064	0					1.50
48.167	0.00	0.03	0.064	0					1.50
48.250	0.00	0.03	0.063	0					1.50
48.333	0.00	0.03	0.063	0					1.49
48.417	0.00	0.03	0.063	0					1.49
48.500	0.00	0.03	0.063	0					1.48
48.583	0.00	0.03	0.062	0					1.48
48.667	0.00	0.03	0.062	0					1.48
48.750	0.00	0.03	0.062	0					1.47
48.833	0.00	0.03	0.062	0					1.47
48.917	0.00	0.03	0.061	0					1.46
49.000	0.00	0.03	0.061	0					1.46
49.083	0.00	0.03	0.061	0					1.46
49.167	0.00	0.03	0.061	0					1.45
49.250	0.00	0.03	0.061	0					1.45
49.333	0.00	0.03	0.060	0					1.44
49.417	0.00	0.03	0.060	0					1.44
49.500	0.00	0.03	0.060	0					1.44
49.583	0.00	0.03	0.060	0					1.43
49.667	0.00	0.03	0.059	0					1.43
49.750	0.00	0.03	0.059	0					1.42
49.833	0.00	0.03	0.059	0					1.42
49.917	0.00	0.03	0.059	0					1.42
50.000	0.00	0.03	0.059	0					1.41
50.083	0.00	0.03	0.058	0					1.41
50.167	0.00	0.03	0.058	0					1.41
50.250	0.00	0.03	0.058	0					1.40
50.333	0.00	0.03	0.058	0					1.40
50.417	0.00	0.03	0.057	0					1.39
50.500	0.00	0.03	0.057	0					1.39
50.583	0.00	0.03	0.057	0					1.39
50.667	0.00	0.03	0.057	0					1.38
50.750	0.00	0.03	0.057	0					1.38
50.833	0.00	0.03	0.056	0					1.37
50.917	0.00	0.03	0.056	0					1.37
51.000	0.00	0.03	0.056	0					1.37
51.083	0.00	0.03	0.056	0					1.36
51.167	0.00	0.03	0.055	0					1.36
51.250	0.00	0.03	0.055	0					1.35
51.333	0.00	0.03	0.055	0					1.35
51.417	0.00	0.03	0.055	0					1.35
51.500	0.00	0.03	0.055	0					1.34
51.583	0.00	0.03	0.054	0					1.34
51.667	0.00	0.03	0.054	0					1.34
51.750	0.00	0.03	0.054	0					1.33
51.833	0.00	0.03	0.054	0					1.33

51.917	0.00	0.03	0.053	0					1.32
52.000	0.00	0.03	0.053	0					1.32
52.083	0.00	0.03	0.053	0					1.32
52.167	0.00	0.03	0.053	0					1.31
52.250	0.00	0.03	0.053	0					1.31
52.333	0.00	0.03	0.052	0					1.30
52.417	0.00	0.03	0.052	0					1.30
52.500	0.00	0.03	0.052	0					1.30
52.583	0.00	0.03	0.052	0					1.29
52.667	0.00	0.03	0.052	0					1.29
52.750	0.00	0.03	0.051	0					1.29
52.833	0.00	0.03	0.051	0					1.28
52.917	0.00	0.03	0.051	0					1.28
53.000	0.00	0.03	0.051	0					1.27
53.083	0.00	0.03	0.050	0					1.27
53.167	0.00	0.03	0.050	0					1.27
53.250	0.00	0.03	0.050	0					1.26
53.333	0.00	0.03	0.050	0					1.26
53.417	0.00	0.03	0.050	0					1.26
53.500	0.00	0.03	0.049	0					1.25
53.583	0.00	0.03	0.049	0					1.25
53.667	0.00	0.03	0.049	0					1.24
53.750	0.00	0.03	0.049	0					1.24
53.833	0.00	0.03	0.049	0					1.24
53.917	0.00	0.03	0.048	0					1.23
54.000	0.00	0.03	0.048	0					1.23
54.083	0.00	0.03	0.048	0					1.23
54.167	0.00	0.03	0.048	0					1.22
54.250	0.00	0.03	0.047	0					1.22
54.333	0.00	0.03	0.047	0					1.22
54.417	0.00	0.03	0.047	0					1.21
54.500	0.00	0.03	0.047	0					1.21
54.583	0.00	0.03	0.047	0					1.20
54.667	0.00	0.03	0.046	0					1.20
54.750	0.00	0.03	0.046	0					1.20
54.833	0.00	0.03	0.046	0					1.19
54.917	0.00	0.03	0.046	0					1.19
55.000	0.00	0.03	0.046	0					1.19
55.083	0.00	0.03	0.045	0					1.18
55.167	0.00	0.03	0.045	0					1.18
55.250	0.00	0.03	0.045	0					1.18
55.333	0.00	0.03	0.045	0					1.17
55.417	0.00	0.03	0.045	0					1.17
55.500	0.00	0.03	0.044	0					1.16
55.583	0.00	0.03	0.044	0					1.16
55.667	0.00	0.03	0.044	0					1.16
55.750	0.00	0.03	0.044	0					1.15
55.833	0.00	0.03	0.044	0					1.15
55.917	0.00	0.03	0.043	0					1.15
56.000	0.00	0.03	0.043	0					1.14

56.083	0.00	0.03	0.043	0					1.14
56.167	0.00	0.03	0.043	0					1.14
56.250	0.00	0.03	0.043	0					1.13
56.333	0.00	0.03	0.042	0					1.13
56.417	0.00	0.03	0.042	0					1.13
56.500	0.00	0.03	0.042	0					1.12
56.583	0.00	0.03	0.042	0					1.12
56.667	0.00	0.03	0.042	0					1.11
56.750	0.00	0.03	0.041	0					1.11
56.833	0.00	0.03	0.041	0					1.11
56.917	0.00	0.03	0.041	0					1.10
57.000	0.00	0.03	0.041	0					1.10
57.083	0.00	0.03	0.041	0					1.10
57.167	0.00	0.03	0.040	0					1.09
57.250	0.00	0.03	0.040	0					1.09
57.333	0.00	0.03	0.040	0					1.09
57.417	0.00	0.03	0.040	0					1.08
57.500	0.00	0.03	0.040	0					1.08
57.583	0.00	0.03	0.039	0					1.08
57.667	0.00	0.03	0.039	0					1.07
57.750	0.00	0.03	0.039	0					1.07
57.833	0.00	0.03	0.039	0					1.07
57.917	0.00	0.03	0.039	0					1.06
58.000	0.00	0.03	0.038	0					1.06
58.083	0.00	0.03	0.038	0					1.06
58.167	0.00	0.03	0.038	0					1.05
58.250	0.00	0.03	0.038	0					1.05
58.333	0.00	0.03	0.038	0					1.04
58.417	0.00	0.03	0.037	0					1.04
58.500	0.00	0.03	0.037	0					1.04
58.583	0.00	0.03	0.037	0					1.03
58.667	0.00	0.03	0.037	0					1.03
58.750	0.00	0.03	0.037	0					1.03
58.833	0.00	0.03	0.036	0					1.02
58.917	0.00	0.03	0.036	0					1.02
59.000	0.00	0.03	0.036	0					1.02
59.083	0.00	0.03	0.036	0					1.01
59.167	0.00	0.03	0.036	0					1.01
59.250	0.00	0.03	0.035	0					1.01
59.333	0.00	0.03	0.035	0					1.00
59.417	0.00	0.03	0.035	0					1.00
59.500	0.00	0.03	0.035	0					1.00
59.583	0.00	0.03	0.035	0					0.99
59.667	0.00	0.03	0.034	0					0.99
59.750	0.00	0.03	0.034	0					0.98
59.833	0.00	0.03	0.034	0					0.97
59.917	0.00	0.03	0.034	0					0.97
60.000	0.00	0.03	0.034	0					0.96
60.083	0.00	0.03	0.034	0					0.96
60.167	0.00	0.03	0.033	0					0.95

60.250	0.00	0.03	0.033	0					0.95
60.333	0.00	0.03	0.033	0					0.94
60.417	0.00	0.03	0.033	0					0.94
60.500	0.00	0.03	0.033	0					0.93
60.583	0.00	0.03	0.032	0					0.93
60.667	0.00	0.03	0.032	0					0.92
60.750	0.00	0.03	0.032	0					0.92
60.833	0.00	0.03	0.032	0					0.91
60.917	0.00	0.03	0.032	0					0.91
61.000	0.00	0.03	0.032	0					0.90
61.083	0.00	0.03	0.031	0					0.90
61.167	0.00	0.03	0.031	0					0.90
61.250	0.00	0.03	0.031	0					0.89
61.333	0.00	0.03	0.031	0					0.89
61.417	0.00	0.03	0.031	0					0.88
61.500	0.00	0.02	0.030	0					0.88
61.583	0.00	0.02	0.030	0					0.87
61.667	0.00	0.02	0.030	0					0.87
61.750	0.00	0.02	0.030	0					0.86
61.833	0.00	0.02	0.030	0					0.86
61.917	0.00	0.02	0.030	0					0.85
62.000	0.00	0.02	0.029	0					0.85
62.083	0.00	0.02	0.029	0					0.84
62.167	0.00	0.02	0.029	0					0.84
62.250	0.00	0.02	0.029	0					0.84
62.333	0.00	0.02	0.029	0					0.83
62.417	0.00	0.02	0.029	0					0.83
62.500	0.00	0.02	0.028	0					0.82
62.583	0.00	0.02	0.028	0					0.82
62.667	0.00	0.02	0.028	0					0.81
62.750	0.00	0.02	0.028	0					0.81
62.833	0.00	0.02	0.028	0					0.80
62.917	0.00	0.02	0.028	0					0.80
63.000	0.00	0.02	0.027	0					0.80
63.083	0.00	0.02	0.027	0					0.79
63.167	0.00	0.02	0.027	0					0.79
63.250	0.00	0.02	0.027	0					0.78
63.333	0.00	0.02	0.027	0					0.78
63.417	0.00	0.02	0.027	0					0.77
63.500	0.00	0.02	0.027	0					0.77
63.583	0.00	0.02	0.026	0					0.77
63.667	0.00	0.02	0.026	0					0.76
63.750	0.00	0.02	0.026	0					0.76
63.833	0.00	0.02	0.026	0					0.75
63.917	0.00	0.02	0.026	0					0.75
64.000	0.00	0.02	0.026	0					0.74
64.083	0.00	0.02	0.025	0					0.74
64.167	0.00	0.02	0.025	0					0.74
64.250	0.00	0.02	0.025	0					0.73
64.333	0.00	0.02	0.025	0					0.73

64.417	0.00	0.02	0.025	0					0.72
64.500	0.00	0.02	0.025	0					0.72
64.583	0.00	0.02	0.025	0					0.72
64.667	0.00	0.02	0.024	0					0.71
64.750	0.00	0.02	0.024	0					0.71
64.833	0.00	0.02	0.024	0					0.70
64.917	0.00	0.02	0.024	0					0.70
65.000	0.00	0.02	0.024	0					0.70
65.083	0.00	0.02	0.024	0					0.69
65.167	0.00	0.02	0.024	0					0.69
65.250	0.00	0.02	0.023	0					0.69
65.333	0.00	0.02	0.023	0					0.68
65.417	0.00	0.02	0.023	0					0.68
65.500	0.00	0.02	0.023	0					0.67
65.583	0.00	0.02	0.023	0					0.67
65.667	0.00	0.02	0.023	0					0.67
65.750	0.00	0.02	0.023	0					0.66
65.833	0.00	0.02	0.023	0					0.66
65.917	0.00	0.02	0.022	0					0.66
66.000	0.00	0.02	0.022	0					0.65
66.083	0.00	0.02	0.022	0					0.65
66.167	0.00	0.02	0.022	0					0.64
66.250	0.00	0.02	0.022	0					0.64
66.333	0.00	0.02	0.022	0					0.64
66.417	0.00	0.02	0.022	0					0.63
66.500	0.00	0.02	0.021	0					0.63
66.583	0.00	0.02	0.021	0					0.63
66.667	0.00	0.02	0.021	0					0.62
66.750	0.00	0.02	0.021	0					0.62
66.833	0.00	0.02	0.021	0					0.62
66.917	0.00	0.02	0.021	0					0.61
67.000	0.00	0.02	0.021	0					0.61
67.083	0.00	0.02	0.021	0					0.61
67.167	0.00	0.02	0.020	0					0.60
67.250	0.00	0.02	0.020	0					0.60
67.333	0.00	0.02	0.020	0					0.60
67.417	0.00	0.02	0.020	0					0.59
67.500	0.00	0.02	0.020	0					0.59
67.583	0.00	0.02	0.020	0					0.59
67.667	0.00	0.02	0.020	0					0.58
67.750	0.00	0.02	0.020	0					0.58
67.833	0.00	0.02	0.019	0					0.58
67.917	0.00	0.02	0.019	0					0.57
68.000	0.00	0.02	0.019	0					0.57
68.083	0.00	0.02	0.019	0					0.57
68.167	0.00	0.02	0.019	0					0.56
68.250	0.00	0.02	0.019	0					0.56
68.333	0.00	0.02	0.019	0					0.56
68.417	0.00	0.02	0.019	0					0.55
68.500	0.00	0.02	0.018	0					0.55

68.583	0.00	0.02	0.018	0					0.55
68.667	0.00	0.02	0.018	0					0.54
68.750	0.00	0.02	0.018	0					0.54
68.833	0.00	0.02	0.018	0					0.54
68.917	0.00	0.02	0.018	0					0.53
69.000	0.00	0.02	0.018	0					0.53
69.083	0.00	0.02	0.018	0					0.53
69.167	0.00	0.02	0.018	0					0.52
69.250	0.00	0.02	0.017	0					0.52
69.333	0.00	0.02	0.017	0					0.52
69.417	0.00	0.02	0.017	0					0.52
69.500	0.00	0.02	0.017	0					0.51
69.583	0.00	0.02	0.017	0					0.51
69.667	0.00	0.02	0.017	0					0.51
69.750	0.00	0.02	0.017	0					0.50
69.833	0.00	0.02	0.017	0					0.50
69.917	0.00	0.02	0.017	0					0.50
70.000	0.00	0.02	0.016	0					0.49
70.083	0.00	0.02	0.016	0					0.49
70.167	0.00	0.02	0.016	0					0.49
70.250	0.00	0.02	0.016	0					0.49
70.333	0.00	0.02	0.016	0					0.48
70.417	0.00	0.02	0.016	0					0.48
70.500	0.00	0.02	0.016	0					0.48
70.583	0.00	0.02	0.016	0					0.47
70.667	0.00	0.02	0.016	0					0.47
70.750	0.00	0.02	0.016	0					0.47
70.833	0.00	0.01	0.015	0					0.47
70.917	0.00	0.01	0.015	0					0.46
71.000	0.00	0.01	0.015	0					0.46
71.083	0.00	0.01	0.015	0					0.46
71.167	0.00	0.01	0.015	0					0.45
71.250	0.00	0.01	0.015	0					0.45
71.333	0.00	0.01	0.015	0					0.45
71.417	0.00	0.01	0.015	0					0.45
71.500	0.00	0.01	0.015	0					0.44
71.583	0.00	0.01	0.014	0					0.44
71.667	0.00	0.01	0.014	0					0.44
71.750	0.00	0.01	0.014	0					0.44
71.833	0.00	0.01	0.014	0					0.43
71.917	0.00	0.01	0.014	0					0.43
72.000	0.00	0.01	0.014	0					0.43
72.083	0.00	0.01	0.014	0					0.42
72.167	0.00	0.01	0.014	0					0.42
72.250	0.00	0.01	0.014	0					0.42
72.333	0.00	0.01	0.014	0					0.42
72.417	0.00	0.01	0.014	0					0.41
72.500	0.00	0.01	0.013	0					0.41
72.583	0.00	0.01	0.013	0					0.41
72.667	0.00	0.01	0.013	0					0.41

72.750	0.00	0.01	0.013	0					0.40
72.833	0.00	0.01	0.013	0					0.40
72.917	0.00	0.01	0.013	0					0.40
73.000	0.00	0.01	0.013	0					0.40
73.083	0.00	0.01	0.013	0					0.39
73.167	0.00	0.01	0.013	0					0.39
73.250	0.00	0.01	0.013	0					0.39
73.333	0.00	0.01	0.013	0					0.39
73.417	0.00	0.01	0.012	0					0.38
73.500	0.00	0.01	0.012	0					0.38
73.583	0.00	0.01	0.012	0					0.38
73.667	0.00	0.01	0.012	0					0.38
73.750	0.00	0.01	0.012	0					0.37
73.833	0.00	0.01	0.012	0					0.37
73.917	0.00	0.01	0.012	0					0.37
74.000	0.00	0.01	0.012	0					0.37
74.083	0.00	0.01	0.012	0					0.37
74.167	0.00	0.01	0.012	0					0.36
74.250	0.00	0.01	0.012	0					0.36
74.333	0.00	0.01	0.011	0					0.36
74.417	0.00	0.01	0.011	0					0.36
74.500	0.00	0.01	0.011	0					0.35
74.583	0.00	0.01	0.011	0					0.35
74.667	0.00	0.01	0.011	0					0.35
74.750	0.00	0.01	0.011	0					0.35
74.833	0.00	0.01	0.011	0					0.34
74.917	0.00	0.01	0.011	0					0.34
75.000	0.00	0.01	0.011	0					0.34
75.083	0.00	0.01	0.011	0					0.34
75.167	0.00	0.01	0.011	0					0.34
75.250	0.00	0.01	0.011	0					0.33
75.333	0.00	0.01	0.010	0					0.33
75.417	0.00	0.01	0.010	0					0.33
75.500	0.00	0.01	0.010	0					0.33
75.583	0.00	0.01	0.010	0					0.32
75.667	0.00	0.01	0.010	0					0.32
75.750	0.00	0.01	0.010	0					0.32
75.833	0.00	0.01	0.010	0					0.32
75.917	0.00	0.01	0.010	0					0.32
76.000	0.00	0.01	0.010	0					0.31
76.083	0.00	0.01	0.010	0					0.31
76.167	0.00	0.01	0.010	0					0.31
76.250	0.00	0.01	0.010	0					0.31
76.333	0.00	0.01	0.010	0					0.31
76.417	0.00	0.01	0.009	0					0.30
76.500	0.00	0.01	0.009	0					0.30
76.583	0.00	0.01	0.009	0					0.30
76.667	0.00	0.01	0.009	0					0.30
76.750	0.00	0.01	0.009	0					0.30
76.833	0.00	0.01	0.009	0					0.29

76.917	0.00	0.01	0.009	0					0.29
77.000	0.00	0.01	0.009	0					0.29
77.083	0.00	0.01	0.009	0					0.29
77.167	0.00	0.01	0.009	0					0.29
77.250	0.00	0.01	0.009	0					0.28
77.333	0.00	0.01	0.009	0					0.28
77.417	0.00	0.01	0.009	0					0.28
77.500	0.00	0.01	0.009	0					0.28
77.583	0.00	0.01	0.008	0					0.28
77.667	0.00	0.01	0.008	0					0.27
77.750	0.00	0.01	0.008	0					0.27
77.833	0.00	0.01	0.008	0					0.27
77.917	0.00	0.01	0.008	0					0.27
78.000	0.00	0.01	0.008	0					0.27
78.083	0.00	0.01	0.008	0					0.26
78.167	0.00	0.01	0.008	0					0.26
78.250	0.00	0.01	0.008	0					0.26
78.333	0.00	0.01	0.008	0					0.26
78.417	0.00	0.01	0.008	0					0.26
78.500	0.00	0.01	0.008	0					0.26
78.583	0.00	0.01	0.008	0					0.25
78.667	0.00	0.01	0.008	0					0.25
78.750	0.00	0.01	0.007	0					0.25
78.833	0.00	0.01	0.007	0					0.25
78.917	0.00	0.01	0.007	0					0.25
79.000	0.00	0.01	0.007	0					0.24
79.083	0.00	0.01	0.007	0					0.24
79.167	0.00	0.01	0.007	0					0.24
79.250	0.00	0.01	0.007	0					0.24
79.333	0.00	0.01	0.007	0					0.24
79.417	0.00	0.01	0.007	0					0.24
79.500	0.00	0.01	0.007	0					0.23
79.583	0.00	0.01	0.007	0					0.23
79.667	0.00	0.01	0.007	0					0.23
79.750	0.00	0.01	0.007	0					0.23
79.833	0.00	0.01	0.007	0					0.23
79.917	0.00	0.01	0.007	0					0.22
80.000	0.00	0.01	0.007	0					0.22
80.083	0.00	0.01	0.006	0					0.22
80.167	0.00	0.01	0.006	0					0.22
80.250	0.00	0.01	0.006	0					0.22
80.333	0.00	0.01	0.006	0					0.22
80.417	0.00	0.01	0.006	0					0.21
80.500	0.00	0.01	0.006	0					0.21
80.583	0.00	0.01	0.006	0					0.21
80.667	0.00	0.01	0.006	0					0.21
80.750	0.00	0.01	0.006	0					0.21
80.833	0.00	0.01	0.006	0					0.21
80.917	0.00	0.01	0.006	0					0.21
81.000	0.00	0.01	0.006	0					0.20

81.083	0.00	0.01	0.006	0					0.20
81.167	0.00	0.01	0.006	0					0.20
81.250	0.00	0.01	0.006	0					0.20
81.333	0.00	0.01	0.006	0					0.20
81.417	0.00	0.01	0.006	0					0.20
81.500	0.00	0.01	0.005	0					0.19
81.583	0.00	0.01	0.005	0					0.19
81.667	0.00	0.01	0.005	0					0.19
81.750	0.00	0.01	0.005	0					0.19
81.833	0.00	0.01	0.005	0					0.19
81.917	0.00	0.01	0.005	0					0.19
82.000	0.00	0.01	0.005	0					0.18
82.083	0.00	0.01	0.005	0					0.18
82.167	0.00	0.01	0.005	0					0.18
82.250	0.00	0.01	0.005	0					0.18
82.333	0.00	0.01	0.005	0					0.18
82.417	0.00	0.01	0.005	0					0.18
82.500	0.00	0.01	0.005	0					0.18
82.583	0.00	0.01	0.005	0					0.17
82.667	0.00	0.01	0.005	0					0.17
82.750	0.00	0.01	0.005	0					0.17
82.833	0.00	0.01	0.005	0					0.17
82.917	0.00	0.01	0.005	0					0.17
83.000	0.00	0.01	0.004	0					0.17
83.083	0.00	0.01	0.004	0					0.17
83.167	0.00	0.01	0.004	0					0.16
83.250	0.00	0.01	0.004	0					0.16
83.333	0.00	0.01	0.004	0					0.16
83.417	0.00	0.01	0.004	0					0.16
83.500	0.00	0.01	0.004	0					0.16
83.583	0.00	0.01	0.004	0					0.16
83.667	0.00	0.01	0.004	0					0.16
83.750	0.00	0.01	0.004	0					0.15
83.833	0.00	0.01	0.004	0					0.15
83.917	0.00	0.01	0.004	0					0.15
84.000	0.00	0.01	0.004	0					0.15
84.083	0.00	0.01	0.004	0					0.15
84.167	0.00	0.01	0.004	0					0.15
84.250	0.00	0.01	0.004	0					0.15
84.333	0.00	0.01	0.004	0					0.14
84.417	0.00	0.01	0.004	0					0.14
84.500	0.00	0.01	0.004	0					0.14
84.583	0.00	0.01	0.004	0					0.14
84.667	0.00	0.01	0.003	0					0.14
84.750	0.00	0.01	0.003	0					0.14
84.833	0.00	0.01	0.003	0					0.14
84.917	0.00	0.01	0.003	0					0.14
85.000	0.00	0.01	0.003	0					0.13
85.083	0.00	0.01	0.003	0					0.13
85.167	0.00	0.01	0.003	0					0.13

85.250	0.00	0.01	0.003	0					0.13
85.333	0.00	0.01	0.003	0					0.13
85.417	0.00	0.01	0.003	0					0.13
85.500	0.00	0.01	0.003	0					0.13
85.583	0.00	0.01	0.003	0					0.13
85.667	0.00	0.01	0.003	0					0.12
85.750	0.00	0.01	0.003	0					0.12
85.833	0.00	0.01	0.003	0					0.12
85.917	0.00	0.01	0.003	0					0.12
86.000	0.00	0.01	0.003	0					0.12
86.083	0.00	0.01	0.003	0					0.12
86.167	0.00	0.01	0.003	0					0.12
86.250	0.00	0.01	0.003	0					0.12
86.333	0.00	0.01	0.003	0					0.11
86.417	0.00	0.01	0.002	0					0.11
86.500	0.00	0.01	0.002	0					0.11
86.583	0.00	0.01	0.002	0					0.11
86.667	0.00	0.01	0.002	0					0.11
86.750	0.00	0.01	0.002	0					0.11
86.833	0.00	0.01	0.002	0					0.11
86.917	0.00	0.01	0.002	0					0.11
87.000	0.00	0.01	0.002	0					0.11
87.083	0.00	0.01	0.002	0					0.10
87.167	0.00	0.01	0.002	0					0.10
87.250	0.00	0.01	0.002	0					0.10
87.333	0.00	0.01	0.002	0					0.10
87.417	0.00	0.01	0.002	0					0.10
87.500	0.00	0.01	0.002	0					0.10
87.583	0.00	0.01	0.002	0					0.10
87.667	0.00	0.01	0.002	0					0.09
87.750	0.00	0.01	0.002	0					0.09
87.833	0.00	0.01	0.002	0					0.09
87.917	0.00	0.01	0.002	0					0.09
88.000	0.00	0.01	0.002	0					0.09
88.083	0.00	0.01	0.002	0					0.08
88.167	0.00	0.00	0.002	0					0.08
88.250	0.00	0.00	0.002	0					0.08
88.333	0.00	0.00	0.002	0					0.08
88.417	0.00	0.00	0.002	0					0.08
88.500	0.00	0.00	0.002	0					0.08
88.583	0.00	0.00	0.001	0					0.07
88.667	0.00	0.00	0.001	0					0.07
88.750	0.00	0.00	0.001	0					0.07
88.833	0.00	0.00	0.001	0					0.07
88.917	0.00	0.00	0.001	0					0.07
89.000	0.00	0.00	0.001	0					0.07
89.083	0.00	0.00	0.001	0					0.07
89.167	0.00	0.00	0.001	0					0.06
89.250	0.00	0.00	0.001	0					0.06
89.333	0.00	0.00	0.001	0					0.06

89.417	0.00	0.00	0.001	0					0.06
89.500	0.00	0.00	0.001	0					0.06
89.583	0.00	0.00	0.001	0					0.06
89.667	0.00	0.00	0.001	0					0.06
89.750	0.00	0.00	0.001	0					0.06
89.833	0.00	0.00	0.001	0					0.05
89.917	0.00	0.00	0.001	0					0.05
90.000	0.00	0.00	0.001	0					0.05
90.083	0.00	0.00	0.001	0					0.05
90.167	0.00	0.00	0.001	0					0.05
90.250	0.00	0.00	0.001	0					0.05
90.333	0.00	0.00	0.001	0					0.05
90.417	0.00	0.00	0.001	0					0.05
90.500	0.00	0.00	0.001	0					0.05
90.583	0.00	0.00	0.001	0					0.05
90.667	0.00	0.00	0.001	0					0.04
90.750	0.00	0.00	0.001	0					0.04
90.833	0.00	0.00	0.001	0					0.04
90.917	0.00	0.00	0.001	0					0.04
91.000	0.00	0.00	0.001	0					0.04
91.083	0.00	0.00	0.001	0					0.04
91.167	0.00	0.00	0.001	0					0.04
91.250	0.00	0.00	0.001	0					0.04
91.333	0.00	0.00	0.001	0					0.04
91.417	0.00	0.00	0.001	0					0.04
91.500	0.00	0.00	0.001	0					0.04
91.583	0.00	0.00	0.001	0					0.04
91.667	0.00	0.00	0.001	0					0.03
91.750	0.00	0.00	0.001	0					0.03
91.833	0.00	0.00	0.001	0					0.03
91.917	0.00	0.00	0.001	0					0.03
92.000	0.00	0.00	0.001	0					0.03
92.083	0.00	0.00	0.001	0					0.03
92.167	0.00	0.00	0.001	0					0.03
92.250	0.00	0.00	0.001	0					0.03
92.333	0.00	0.00	0.001	0					0.03
92.417	0.00	0.00	0.001	0					0.03
92.500	0.00	0.00	0.001	0					0.03
92.583	0.00	0.00	0.001	0					0.03
92.667	0.00	0.00	0.001	0					0.03
92.750	0.00	0.00	0.001	0					0.03
92.833	0.00	0.00	0.001	0					0.03
92.917	0.00	0.00	0.001	0					0.03
93.000	0.00	0.00	0.000	0					0.02
93.083	0.00	0.00	0.000	0					0.02
93.167	0.00	0.00	0.000	0					0.02
93.250	0.00	0.00	0.000	0					0.02
93.333	0.00	0.00	0.000	0					0.02
93.417	0.00	0.00	0.000	0					0.02
93.500	0.00	0.00	0.000	0					0.02

93.583	0.00	0.00	0.000	0					0.02
93.667	0.00	0.00	0.000	0					0.02
93.750	0.00	0.00	0.000	0					0.02
93.833	0.00	0.00	0.000	0					0.02
93.917	0.00	0.00	0.000	0					0.02
94.000	0.00	0.00	0.000	0					0.02
94.083	0.00	0.00	0.000	0					0.02
94.167	0.00	0.00	0.000	0					0.02
94.250	0.00	0.00	0.000	0					0.02
94.333	0.00	0.00	0.000	0					0.02
94.417	0.00	0.00	0.000	0					0.02
94.500	0.00	0.00	0.000	0					0.02
94.583	0.00	0.00	0.000	0					0.02
94.667	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1136

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.055 (CFS)

Total volume = 0.233 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
5 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da435.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.260 (CFS)
Total volume = 0.174 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.6	1.13	1.70	2.26	Depth (Ft.)
0.083	0.20	0.00	0.001	O I					0.03
0.167	0.30	0.01	0.002	O I					0.11
0.250	0.28	0.01	0.004	O I					0.16
0.333	0.32	0.01	0.006	O I					0.22
0.417	0.35	0.01	0.009	O I					0.28
0.500	0.40	0.01	0.011	O I					0.35
0.583	0.38	0.01	0.014	O I					0.42
0.667	0.40	0.02	0.016	O I					0.49
0.750	0.42	0.02	0.019	O I					0.56
0.833	0.38	0.02	0.022	O I					0.64
0.917	0.37	0.02	0.024	O I					0.70
1.000	0.41	0.02	0.027	O I					0.77
1.083	0.49	0.02	0.030	O I					0.85
1.167	0.52	0.03	0.033	O I					0.94
1.250	0.52	0.03	0.036	O I					1.02
1.333	0.49	0.03	0.040	O I					1.08
1.417	0.57	0.03	0.043	O I					1.14
1.500	0.63	0.03	0.047	O I					1.21
1.583	0.59	0.03	0.051	O I					1.28
1.667	0.62	0.03	0.055	O I					1.35
1.750	0.74	0.03	0.059	O I	I				1.43
1.833	0.75	0.03	0.064	O I	I				1.51

1.917	0.71	0.03	0.069	0		I					1.60
2.000	0.70	0.04	0.074	0		I					1.68
2.083	0.73	0.04	0.078	0		I					1.76
2.167	0.96	0.04	0.084	0			I				1.86
2.250	1.24	0.04	0.091	0				I			1.99
2.333	1.03	0.04	0.099	0			I				2.10
2.417	1.56	0.04	0.107	0					I		2.23
2.500	1.99	0.04	0.119	0						I	2.40
2.583	2.26	0.04	0.134	0						I	2.61
2.667	1.89	0.05	0.148	0					I		2.82
2.750	0.91	0.05	0.157	0			I				2.95
2.833	0.48	0.05	0.161	0		I					3.02
2.917	0.43	0.05	0.164	0		I					3.06
3.000	0.24	0.05	0.166	0	I						3.09
3.083	0.06	0.05	0.167	0							3.10
3.167	0.00	0.05	0.167	0							3.10
3.250	0.00	0.05	0.166	0							3.09
3.333	0.00	0.05	0.166	0							3.09
3.417	0.00	0.05	0.166	0							3.08
3.500	0.00	0.05	0.165	0							3.08
3.583	0.00	0.05	0.165	0							3.07
3.667	0.00	0.05	0.165	0							3.07
3.750	0.00	0.05	0.164	0							3.06
3.833	0.00	0.05	0.164	0							3.06
3.917	0.00	0.05	0.164	0							3.05
4.000	0.00	0.05	0.163	0							3.05
4.083	0.00	0.05	0.163	0							3.04
4.167	0.00	0.05	0.163	0							3.04
4.250	0.00	0.05	0.162	0							3.03
4.333	0.00	0.05	0.162	0							3.03
4.417	0.00	0.05	0.162	0							3.02
4.500	0.00	0.05	0.161	0							3.02
4.583	0.00	0.05	0.161	0							3.02
4.667	0.00	0.05	0.161	0							3.01
4.750	0.00	0.05	0.160	0							3.01
4.833	0.00	0.05	0.160	0							3.00
4.917	0.00	0.05	0.160	0							3.00
5.000	0.00	0.05	0.159	0							2.99
5.083	0.00	0.05	0.159	0							2.99
5.167	0.00	0.05	0.159	0							2.98
5.250	0.00	0.05	0.158	0							2.98
5.333	0.00	0.05	0.158	0							2.97
5.417	0.00	0.05	0.158	0							2.97
5.500	0.00	0.05	0.157	0							2.96
5.583	0.00	0.05	0.157	0							2.96
5.667	0.00	0.05	0.157	0							2.95
5.750	0.00	0.05	0.156	0							2.95
5.833	0.00	0.05	0.156	0							2.94
5.917	0.00	0.05	0.156	0							2.94
6.000	0.00	0.05	0.155	0							2.93

6.083	0.00	0.05	0.155	0					2.93
6.167	0.00	0.05	0.155	0					2.92
6.250	0.00	0.05	0.154	0					2.92
6.333	0.00	0.05	0.154	0					2.91
6.417	0.00	0.05	0.154	0					2.91
6.500	0.00	0.05	0.154	0					2.90
6.583	0.00	0.05	0.153	0					2.90
6.667	0.00	0.05	0.153	0					2.90
6.750	0.00	0.05	0.153	0					2.89
6.833	0.00	0.05	0.152	0					2.89
6.917	0.00	0.05	0.152	0					2.88
7.000	0.00	0.05	0.152	0					2.88
7.083	0.00	0.05	0.151	0					2.87
7.167	0.00	0.05	0.151	0					2.87
7.250	0.00	0.05	0.151	0					2.86
7.333	0.00	0.05	0.150	0					2.86
7.417	0.00	0.05	0.150	0					2.85
7.500	0.00	0.05	0.150	0					2.85
7.583	0.00	0.05	0.149	0					2.84
7.667	0.00	0.05	0.149	0					2.84
7.750	0.00	0.05	0.149	0					2.83
7.833	0.00	0.05	0.148	0					2.83
7.917	0.00	0.05	0.148	0					2.82
8.000	0.00	0.05	0.148	0					2.82
8.083	0.00	0.05	0.147	0					2.81
8.167	0.00	0.05	0.147	0					2.81
8.250	0.00	0.05	0.147	0					2.81
8.333	0.00	0.05	0.146	0					2.80
8.417	0.00	0.05	0.146	0					2.80
8.500	0.00	0.05	0.146	0					2.79
8.583	0.00	0.05	0.145	0					2.79
8.667	0.00	0.05	0.145	0					2.78
8.750	0.00	0.05	0.145	0					2.78
8.833	0.00	0.05	0.145	0					2.77
8.917	0.00	0.05	0.144	0					2.77
9.000	0.00	0.05	0.144	0					2.76
9.083	0.00	0.05	0.144	0					2.76
9.167	0.00	0.05	0.143	0					2.75
9.250	0.00	0.05	0.143	0					2.75
9.333	0.00	0.05	0.143	0					2.74
9.417	0.00	0.05	0.142	0					2.74
9.500	0.00	0.05	0.142	0					2.74
9.583	0.00	0.05	0.142	0					2.73
9.667	0.00	0.05	0.141	0					2.73
9.750	0.00	0.05	0.141	0					2.72
9.833	0.00	0.05	0.141	0					2.72
9.917	0.00	0.05	0.140	0					2.71
10.000	0.00	0.05	0.140	0					2.71
10.083	0.00	0.05	0.140	0					2.70
10.167	0.00	0.05	0.140	0					2.70

10.250	0.00	0.05	0.139	0					2.69
10.333	0.00	0.05	0.139	0					2.69
10.417	0.00	0.05	0.139	0					2.69
10.500	0.00	0.05	0.138	0					2.68
10.583	0.00	0.05	0.138	0					2.68
10.667	0.00	0.05	0.138	0					2.67
10.750	0.00	0.05	0.137	0					2.67
10.833	0.00	0.04	0.137	0					2.66
10.917	0.00	0.04	0.137	0					2.66
11.000	0.00	0.04	0.136	0					2.65
11.083	0.00	0.04	0.136	0					2.65
11.167	0.00	0.04	0.136	0					2.64
11.250	0.00	0.04	0.135	0					2.64
11.333	0.00	0.04	0.135	0					2.63
11.417	0.00	0.04	0.135	0					2.63
11.500	0.00	0.04	0.135	0					2.63
11.583	0.00	0.04	0.134	0					2.62
11.667	0.00	0.04	0.134	0					2.62
11.750	0.00	0.04	0.134	0					2.61
11.833	0.00	0.04	0.133	0					2.61
11.917	0.00	0.04	0.133	0					2.60
12.000	0.00	0.04	0.133	0					2.60
12.083	0.00	0.04	0.132	0					2.59
12.167	0.00	0.04	0.132	0					2.59
12.250	0.00	0.04	0.132	0					2.59
12.333	0.00	0.04	0.132	0					2.58
12.417	0.00	0.04	0.131	0					2.58
12.500	0.00	0.04	0.131	0					2.57
12.583	0.00	0.04	0.131	0					2.57
12.667	0.00	0.04	0.130	0					2.56
12.750	0.00	0.04	0.130	0					2.56
12.833	0.00	0.04	0.130	0					2.55
12.917	0.00	0.04	0.129	0					2.55
13.000	0.00	0.04	0.129	0					2.55
13.083	0.00	0.04	0.129	0					2.54
13.167	0.00	0.04	0.128	0					2.54
13.250	0.00	0.04	0.128	0					2.53
13.333	0.00	0.04	0.128	0					2.53
13.417	0.00	0.04	0.128	0					2.52
13.500	0.00	0.04	0.127	0					2.52
13.583	0.00	0.04	0.127	0					2.51
13.667	0.00	0.04	0.127	0					2.51
13.750	0.00	0.04	0.126	0					2.51
13.833	0.00	0.04	0.126	0					2.50
13.917	0.00	0.04	0.126	0					2.50
14.000	0.00	0.04	0.125	0					2.49
14.083	0.00	0.04	0.125	0					2.49
14.167	0.00	0.04	0.125	0					2.48
14.250	0.00	0.04	0.125	0					2.48
14.333	0.00	0.04	0.124	0					2.47

14.417	0.00	0.04	0.124	0					2.47
14.500	0.00	0.04	0.124	0					2.47
14.583	0.00	0.04	0.123	0					2.46
14.667	0.00	0.04	0.123	0					2.46
14.750	0.00	0.04	0.123	0					2.45
14.833	0.00	0.04	0.122	0					2.45
14.917	0.00	0.04	0.122	0					2.44
15.000	0.00	0.04	0.122	0					2.44
15.083	0.00	0.04	0.122	0					2.44
15.167	0.00	0.04	0.121	0					2.43
15.250	0.00	0.04	0.121	0					2.43
15.333	0.00	0.04	0.121	0					2.42
15.417	0.00	0.04	0.120	0					2.42
15.500	0.00	0.04	0.120	0					2.41
15.583	0.00	0.04	0.120	0					2.41
15.667	0.00	0.04	0.120	0					2.40
15.750	0.00	0.04	0.119	0					2.40
15.833	0.00	0.04	0.119	0					2.40
15.917	0.00	0.04	0.119	0					2.39
16.000	0.00	0.04	0.118	0					2.39
16.083	0.00	0.04	0.118	0					2.38
16.167	0.00	0.04	0.118	0					2.38
16.250	0.00	0.04	0.117	0					2.37
16.333	0.00	0.04	0.117	0					2.37
16.417	0.00	0.04	0.117	0					2.37
16.500	0.00	0.04	0.117	0					2.36
16.583	0.00	0.04	0.116	0					2.36
16.667	0.00	0.04	0.116	0					2.35
16.750	0.00	0.04	0.116	0					2.35
16.833	0.00	0.04	0.115	0					2.34
16.917	0.00	0.04	0.115	0					2.34
17.000	0.00	0.04	0.115	0					2.34
17.083	0.00	0.04	0.115	0					2.33
17.167	0.00	0.04	0.114	0					2.33
17.250	0.00	0.04	0.114	0					2.32
17.333	0.00	0.04	0.114	0					2.32
17.417	0.00	0.04	0.113	0					2.32
17.500	0.00	0.04	0.113	0					2.31
17.583	0.00	0.04	0.113	0					2.31
17.667	0.00	0.04	0.113	0					2.30
17.750	0.00	0.04	0.112	0					2.30
17.833	0.00	0.04	0.112	0					2.29
17.917	0.00	0.04	0.112	0					2.29
18.000	0.00	0.04	0.111	0					2.29
18.083	0.00	0.04	0.111	0					2.28
18.167	0.00	0.04	0.111	0					2.28
18.250	0.00	0.04	0.111	0					2.27
18.333	0.00	0.04	0.110	0					2.27
18.417	0.00	0.04	0.110	0					2.26
18.500	0.00	0.04	0.110	0					2.26

18.583	0.00	0.04	0.109	0					2.26
18.667	0.00	0.04	0.109	0					2.25
18.750	0.00	0.04	0.109	0					2.25
18.833	0.00	0.04	0.109	0					2.24
18.917	0.00	0.04	0.108	0					2.24
19.000	0.00	0.04	0.108	0					2.24
19.083	0.00	0.04	0.108	0					2.23
19.167	0.00	0.04	0.107	0					2.23
19.250	0.00	0.04	0.107	0					2.22
19.333	0.00	0.04	0.107	0					2.22
19.417	0.00	0.04	0.107	0					2.21
19.500	0.00	0.04	0.106	0					2.21
19.583	0.00	0.04	0.106	0					2.21
19.667	0.00	0.04	0.106	0					2.20
19.750	0.00	0.04	0.105	0					2.20
19.833	0.00	0.04	0.105	0					2.19
19.917	0.00	0.04	0.105	0					2.19
20.000	0.00	0.04	0.105	0					2.19
20.083	0.00	0.04	0.104	0					2.18
20.167	0.00	0.04	0.104	0					2.18
20.250	0.00	0.04	0.104	0					2.17
20.333	0.00	0.04	0.104	0					2.17
20.417	0.00	0.04	0.103	0					2.17
20.500	0.00	0.04	0.103	0					2.16
20.583	0.00	0.04	0.103	0					2.16
20.667	0.00	0.04	0.102	0					2.15
20.750	0.00	0.04	0.102	0					2.15
20.833	0.00	0.04	0.102	0					2.14
20.917	0.00	0.04	0.102	0					2.14
21.000	0.00	0.04	0.101	0					2.14
21.083	0.00	0.04	0.101	0					2.13
21.167	0.00	0.04	0.101	0					2.13
21.250	0.00	0.04	0.100	0					2.12
21.333	0.00	0.04	0.100	0					2.12
21.417	0.00	0.04	0.100	0					2.12
21.500	0.00	0.04	0.100	0					2.11
21.583	0.00	0.04	0.099	0					2.11
21.667	0.00	0.04	0.099	0					2.10
21.750	0.00	0.04	0.099	0					2.10
21.833	0.00	0.04	0.099	0					2.10
21.917	0.00	0.04	0.098	0					2.09
22.000	0.00	0.04	0.098	0					2.09
22.083	0.00	0.04	0.098	0					2.08
22.167	0.00	0.04	0.097	0					2.08
22.250	0.00	0.04	0.097	0					2.08
22.333	0.00	0.04	0.097	0					2.07
22.417	0.00	0.04	0.097	0					2.07
22.500	0.00	0.04	0.096	0					2.06
22.583	0.00	0.04	0.096	0					2.06
22.667	0.00	0.04	0.096	0					2.06

22.750	0.00	0.04	0.096	0					2.05
22.833	0.00	0.04	0.095	0					2.05
22.917	0.00	0.04	0.095	0					2.04
23.000	0.00	0.04	0.095	0					2.04
23.083	0.00	0.04	0.094	0					2.04
23.167	0.00	0.04	0.094	0					2.03
23.250	0.00	0.04	0.094	0					2.03
23.333	0.00	0.04	0.094	0					2.02
23.417	0.00	0.04	0.093	0					2.02
23.500	0.00	0.04	0.093	0					2.02
23.583	0.00	0.04	0.093	0					2.01
23.667	0.00	0.04	0.093	0					2.01
23.750	0.00	0.04	0.092	0					2.00
23.833	0.00	0.04	0.092	0					2.00
23.917	0.00	0.04	0.092	0					2.00
24.000	0.00	0.04	0.091	0					1.99
24.083	0.00	0.04	0.091	0					1.99
24.167	0.00	0.04	0.091	0					1.98
24.250	0.00	0.04	0.091	0					1.98
24.333	0.00	0.04	0.090	0					1.97
24.417	0.00	0.04	0.090	0					1.97
24.500	0.00	0.04	0.090	0					1.96
24.583	0.00	0.04	0.090	0					1.96
24.667	0.00	0.04	0.089	0					1.95
24.750	0.00	0.04	0.089	0					1.95
24.833	0.00	0.04	0.089	0					1.94
24.917	0.00	0.04	0.089	0					1.94
25.000	0.00	0.04	0.088	0					1.93
25.083	0.00	0.04	0.088	0					1.93
25.167	0.00	0.04	0.088	0					1.93
25.250	0.00	0.04	0.087	0					1.92
25.333	0.00	0.04	0.087	0					1.92
25.417	0.00	0.04	0.087	0					1.91
25.500	0.00	0.04	0.087	0					1.91
25.583	0.00	0.04	0.086	0					1.90
25.667	0.00	0.04	0.086	0					1.90
25.750	0.00	0.04	0.086	0					1.89
25.833	0.00	0.04	0.086	0					1.89
25.917	0.00	0.04	0.085	0					1.88
26.000	0.00	0.04	0.085	0					1.88
26.083	0.00	0.04	0.085	0					1.88
26.167	0.00	0.04	0.085	0					1.87
26.250	0.00	0.04	0.084	0					1.87
26.333	0.00	0.04	0.084	0					1.86
26.417	0.00	0.04	0.084	0					1.86
26.500	0.00	0.04	0.084	0					1.85
26.583	0.00	0.04	0.083	0					1.85
26.667	0.00	0.04	0.083	0					1.84
26.750	0.00	0.04	0.083	0					1.84
26.833	0.00	0.04	0.083	0					1.83

26.917	0.00	0.04	0.082	0					1.83
27.000	0.00	0.04	0.082	0					1.83
27.083	0.00	0.04	0.082	0					1.82
27.167	0.00	0.04	0.082	0					1.82
27.250	0.00	0.04	0.081	0					1.81
27.333	0.00	0.04	0.081	0					1.81
27.417	0.00	0.04	0.081	0					1.80
27.500	0.00	0.04	0.081	0					1.80
27.583	0.00	0.04	0.080	0					1.79
27.667	0.00	0.04	0.080	0					1.79
27.750	0.00	0.04	0.080	0					1.79
27.833	0.00	0.04	0.080	0					1.78
27.917	0.00	0.04	0.079	0					1.78
28.000	0.00	0.04	0.079	0					1.77
28.083	0.00	0.04	0.079	0					1.77
28.167	0.00	0.04	0.079	0					1.76
28.250	0.00	0.04	0.078	0					1.76
28.333	0.00	0.04	0.078	0					1.75
28.417	0.00	0.04	0.078	0					1.75
28.500	0.00	0.04	0.078	0					1.75
28.583	0.00	0.04	0.077	0					1.74
28.667	0.00	0.04	0.077	0					1.74
28.750	0.00	0.04	0.077	0					1.73
28.833	0.00	0.04	0.077	0					1.73
28.917	0.00	0.04	0.076	0					1.72
29.000	0.00	0.04	0.076	0					1.72
29.083	0.00	0.04	0.076	0					1.72
29.167	0.00	0.04	0.076	0					1.71
29.250	0.00	0.04	0.075	0					1.71
29.333	0.00	0.04	0.075	0					1.70
29.417	0.00	0.04	0.075	0					1.70
29.500	0.00	0.04	0.075	0					1.69
29.583	0.00	0.04	0.074	0					1.69
29.667	0.00	0.04	0.074	0					1.69
29.750	0.00	0.04	0.074	0					1.68
29.833	0.00	0.04	0.074	0					1.68
29.917	0.00	0.04	0.073	0					1.67
30.000	0.00	0.04	0.073	0					1.67
30.083	0.00	0.04	0.073	0					1.66
30.167	0.00	0.04	0.073	0					1.66
30.250	0.00	0.04	0.072	0					1.66
30.333	0.00	0.04	0.072	0					1.65
30.417	0.00	0.04	0.072	0					1.65
30.500	0.00	0.04	0.072	0					1.64
30.583	0.00	0.04	0.071	0					1.64
30.667	0.00	0.03	0.071	0					1.63
30.750	0.00	0.03	0.071	0					1.63
30.833	0.00	0.03	0.071	0					1.63
30.917	0.00	0.03	0.070	0					1.62
31.000	0.00	0.03	0.070	0					1.62

31.083	0.00	0.03	0.070	0					1.61
31.167	0.00	0.03	0.070	0					1.61
31.250	0.00	0.03	0.069	0					1.60
31.333	0.00	0.03	0.069	0					1.60
31.417	0.00	0.03	0.069	0					1.60
31.500	0.00	0.03	0.069	0					1.59
31.583	0.00	0.03	0.069	0					1.59
31.667	0.00	0.03	0.068	0					1.58
31.750	0.00	0.03	0.068	0					1.58
31.833	0.00	0.03	0.068	0					1.58
31.917	0.00	0.03	0.068	0					1.57
32.000	0.00	0.03	0.067	0					1.57
32.083	0.00	0.03	0.067	0					1.56
32.167	0.00	0.03	0.067	0					1.56
32.250	0.00	0.03	0.067	0					1.55
32.333	0.00	0.03	0.066	0					1.55
32.417	0.00	0.03	0.066	0					1.55
32.500	0.00	0.03	0.066	0					1.54
32.583	0.00	0.03	0.066	0					1.54
32.667	0.00	0.03	0.065	0					1.53
32.750	0.00	0.03	0.065	0					1.53
32.833	0.00	0.03	0.065	0					1.53
32.917	0.00	0.03	0.065	0					1.52
33.000	0.00	0.03	0.065	0					1.52
33.083	0.00	0.03	0.064	0					1.51
33.167	0.00	0.03	0.064	0					1.51
33.250	0.00	0.03	0.064	0					1.51
33.333	0.00	0.03	0.064	0					1.50
33.417	0.00	0.03	0.063	0					1.50
33.500	0.00	0.03	0.063	0					1.49
33.583	0.00	0.03	0.063	0					1.49
33.667	0.00	0.03	0.063	0					1.49
33.750	0.00	0.03	0.062	0					1.48
33.833	0.00	0.03	0.062	0					1.48
33.917	0.00	0.03	0.062	0					1.47
34.000	0.00	0.03	0.062	0					1.47
34.083	0.00	0.03	0.062	0					1.47
34.167	0.00	0.03	0.061	0					1.46
34.250	0.00	0.03	0.061	0					1.46
34.333	0.00	0.03	0.061	0					1.45
34.417	0.00	0.03	0.061	0					1.45
34.500	0.00	0.03	0.060	0					1.45
34.583	0.00	0.03	0.060	0					1.44
34.667	0.00	0.03	0.060	0					1.44
34.750	0.00	0.03	0.060	0					1.43
34.833	0.00	0.03	0.059	0					1.43
34.917	0.00	0.03	0.059	0					1.43
35.000	0.00	0.03	0.059	0					1.42
35.083	0.00	0.03	0.059	0					1.42
35.167	0.00	0.03	0.059	0					1.41

35.250	0.00	0.03	0.058	0					1.41
35.333	0.00	0.03	0.058	0					1.41
35.417	0.00	0.03	0.058	0					1.40
35.500	0.00	0.03	0.058	0					1.40
35.583	0.00	0.03	0.057	0					1.39
35.667	0.00	0.03	0.057	0					1.39
35.750	0.00	0.03	0.057	0					1.39
35.833	0.00	0.03	0.057	0					1.38
35.917	0.00	0.03	0.057	0					1.38
36.000	0.00	0.03	0.056	0					1.37
36.083	0.00	0.03	0.056	0					1.37
36.167	0.00	0.03	0.056	0					1.37
36.250	0.00	0.03	0.056	0					1.36
36.333	0.00	0.03	0.055	0					1.36
36.417	0.00	0.03	0.055	0					1.36
36.500	0.00	0.03	0.055	0					1.35
36.583	0.00	0.03	0.055	0					1.35
36.667	0.00	0.03	0.055	0					1.34
36.750	0.00	0.03	0.054	0					1.34
36.833	0.00	0.03	0.054	0					1.34
36.917	0.00	0.03	0.054	0					1.33
37.000	0.00	0.03	0.054	0					1.33
37.083	0.00	0.03	0.054	0					1.32
37.167	0.00	0.03	0.053	0					1.32
37.250	0.00	0.03	0.053	0					1.32
37.333	0.00	0.03	0.053	0					1.31
37.417	0.00	0.03	0.053	0					1.31
37.500	0.00	0.03	0.052	0					1.31
37.583	0.00	0.03	0.052	0					1.30
37.667	0.00	0.03	0.052	0					1.30
37.750	0.00	0.03	0.052	0					1.29
37.833	0.00	0.03	0.052	0					1.29
37.917	0.00	0.03	0.051	0					1.29
38.000	0.00	0.03	0.051	0					1.28
38.083	0.00	0.03	0.051	0					1.28
38.167	0.00	0.03	0.051	0					1.28
38.250	0.00	0.03	0.050	0					1.27
38.333	0.00	0.03	0.050	0					1.27
38.417	0.00	0.03	0.050	0					1.26
38.500	0.00	0.03	0.050	0					1.26
38.583	0.00	0.03	0.050	0					1.26
38.667	0.00	0.03	0.049	0					1.25
38.750	0.00	0.03	0.049	0					1.25
38.833	0.00	0.03	0.049	0					1.25
38.917	0.00	0.03	0.049	0					1.24
39.000	0.00	0.03	0.049	0					1.24
39.083	0.00	0.03	0.048	0					1.23
39.167	0.00	0.03	0.048	0					1.23
39.250	0.00	0.03	0.048	0					1.23
39.333	0.00	0.03	0.048	0					1.22

39.417	0.00	0.03	0.048	0					1.22
39.500	0.00	0.03	0.047	0					1.22
39.583	0.00	0.03	0.047	0					1.21
39.667	0.00	0.03	0.047	0					1.21
39.750	0.00	0.03	0.047	0					1.21
39.833	0.00	0.03	0.046	0					1.20
39.917	0.00	0.03	0.046	0					1.20
40.000	0.00	0.03	0.046	0					1.19
40.083	0.00	0.03	0.046	0					1.19
40.167	0.00	0.03	0.046	0					1.19
40.250	0.00	0.03	0.045	0					1.18
40.333	0.00	0.03	0.045	0					1.18
40.417	0.00	0.03	0.045	0					1.18
40.500	0.00	0.03	0.045	0					1.17
40.583	0.00	0.03	0.045	0					1.17
40.667	0.00	0.03	0.044	0					1.17
40.750	0.00	0.03	0.044	0					1.16
40.833	0.00	0.03	0.044	0					1.16
40.917	0.00	0.03	0.044	0					1.15
41.000	0.00	0.03	0.044	0					1.15
41.083	0.00	0.03	0.043	0					1.15
41.167	0.00	0.03	0.043	0					1.14
41.250	0.00	0.03	0.043	0					1.14
41.333	0.00	0.03	0.043	0					1.14
41.417	0.00	0.03	0.043	0					1.13
41.500	0.00	0.03	0.042	0					1.13
41.583	0.00	0.03	0.042	0					1.13
41.667	0.00	0.03	0.042	0					1.12
41.750	0.00	0.03	0.042	0					1.12
41.833	0.00	0.03	0.042	0					1.12
41.917	0.00	0.03	0.041	0					1.11
42.000	0.00	0.03	0.041	0					1.11
42.083	0.00	0.03	0.041	0					1.10
42.167	0.00	0.03	0.041	0					1.10
42.250	0.00	0.03	0.041	0					1.10
42.333	0.00	0.03	0.040	0					1.09
42.417	0.00	0.03	0.040	0					1.09
42.500	0.00	0.03	0.040	0					1.09
42.583	0.00	0.03	0.040	0					1.08
42.667	0.00	0.03	0.040	0					1.08
42.750	0.00	0.03	0.039	0					1.08
42.833	0.00	0.03	0.039	0					1.07
42.917	0.00	0.03	0.039	0					1.07
43.000	0.00	0.03	0.039	0					1.07
43.083	0.00	0.03	0.039	0					1.06
43.167	0.00	0.03	0.038	0					1.06
43.250	0.00	0.03	0.038	0					1.06
43.333	0.00	0.03	0.038	0					1.05
43.417	0.00	0.03	0.038	0					1.05
43.500	0.00	0.03	0.038	0					1.05

43.583	0.00	0.03	0.037	0					1.04
43.667	0.00	0.03	0.037	0					1.04
43.750	0.00	0.03	0.037	0					1.04
43.833	0.00	0.03	0.037	0					1.03
43.917	0.00	0.03	0.037	0					1.03
44.000	0.00	0.03	0.036	0					1.02
44.083	0.00	0.03	0.036	0					1.02
44.167	0.00	0.03	0.036	0					1.02
44.250	0.00	0.03	0.036	0					1.01
44.333	0.00	0.03	0.036	0					1.01
44.417	0.00	0.03	0.035	0					1.01
44.500	0.00	0.03	0.035	0					1.00
44.583	0.00	0.03	0.035	0					1.00
44.667	0.00	0.03	0.035	0					1.00
44.750	0.00	0.03	0.035	0					0.99
44.833	0.00	0.03	0.034	0					0.99
44.917	0.00	0.03	0.034	0					0.98
45.000	0.00	0.03	0.034	0					0.98
45.083	0.00	0.03	0.034	0					0.97
45.167	0.00	0.03	0.034	0					0.97
45.250	0.00	0.03	0.034	0					0.96
45.333	0.00	0.03	0.033	0					0.96
45.417	0.00	0.03	0.033	0					0.95
45.500	0.00	0.03	0.033	0					0.95
45.583	0.00	0.03	0.033	0					0.94
45.667	0.00	0.03	0.033	0					0.94
45.750	0.00	0.03	0.032	0					0.93
45.833	0.00	0.03	0.032	0					0.93
45.917	0.00	0.03	0.032	0					0.92
46.000	0.00	0.03	0.032	0					0.92
46.083	0.00	0.03	0.032	0					0.91
46.167	0.00	0.03	0.032	0					0.91
46.250	0.00	0.03	0.031	0					0.90
46.333	0.00	0.03	0.031	0					0.90
46.417	0.00	0.03	0.031	0					0.89
46.500	0.00	0.03	0.031	0					0.89
46.583	0.00	0.03	0.031	0					0.88
46.667	0.00	0.03	0.031	0					0.88
46.750	0.00	0.02	0.030	0					0.87
46.833	0.00	0.02	0.030	0					0.87
46.917	0.00	0.02	0.030	0					0.86
47.000	0.00	0.02	0.030	0					0.86
47.083	0.00	0.02	0.030	0					0.85
47.167	0.00	0.02	0.029	0					0.85
47.250	0.00	0.02	0.029	0					0.85
47.333	0.00	0.02	0.029	0					0.84
47.417	0.00	0.02	0.029	0					0.84
47.500	0.00	0.02	0.029	0					0.83
47.583	0.00	0.02	0.029	0					0.83
47.667	0.00	0.02	0.028	0					0.82

47.750	0.00	0.02	0.028	0					0.82
47.833	0.00	0.02	0.028	0					0.81
47.917	0.00	0.02	0.028	0					0.81
48.000	0.00	0.02	0.028	0					0.80
48.083	0.00	0.02	0.028	0					0.80
48.167	0.00	0.02	0.028	0					0.80
48.250	0.00	0.02	0.027	0					0.79
48.333	0.00	0.02	0.027	0					0.79
48.417	0.00	0.02	0.027	0					0.78
48.500	0.00	0.02	0.027	0					0.78
48.583	0.00	0.02	0.027	0					0.77
48.667	0.00	0.02	0.027	0					0.77
48.750	0.00	0.02	0.026	0					0.77
48.833	0.00	0.02	0.026	0					0.76
48.917	0.00	0.02	0.026	0					0.76
49.000	0.00	0.02	0.026	0					0.75
49.083	0.00	0.02	0.026	0					0.75
49.167	0.00	0.02	0.026	0					0.75
49.250	0.00	0.02	0.026	0					0.74
49.333	0.00	0.02	0.025	0					0.74
49.417	0.00	0.02	0.025	0					0.73
49.500	0.00	0.02	0.025	0					0.73
49.583	0.00	0.02	0.025	0					0.73
49.667	0.00	0.02	0.025	0					0.72
49.750	0.00	0.02	0.025	0					0.72
49.833	0.00	0.02	0.024	0					0.71
49.917	0.00	0.02	0.024	0					0.71
50.000	0.00	0.02	0.024	0					0.71
50.083	0.00	0.02	0.024	0					0.70
50.167	0.00	0.02	0.024	0					0.70
50.250	0.00	0.02	0.024	0					0.69
50.333	0.00	0.02	0.024	0					0.69
50.417	0.00	0.02	0.024	0					0.69
50.500	0.00	0.02	0.023	0					0.68
50.583	0.00	0.02	0.023	0					0.68
50.667	0.00	0.02	0.023	0					0.68
50.750	0.00	0.02	0.023	0					0.67
50.833	0.00	0.02	0.023	0					0.67
50.917	0.00	0.02	0.023	0					0.66
51.000	0.00	0.02	0.023	0					0.66
51.083	0.00	0.02	0.022	0					0.66
51.167	0.00	0.02	0.022	0					0.65
51.250	0.00	0.02	0.022	0					0.65
51.333	0.00	0.02	0.022	0					0.65
51.417	0.00	0.02	0.022	0					0.64
51.500	0.00	0.02	0.022	0					0.64
51.583	0.00	0.02	0.022	0					0.63
51.667	0.00	0.02	0.021	0					0.63
51.750	0.00	0.02	0.021	0					0.63
51.833	0.00	0.02	0.021	0					0.62

51.917	0.00	0.02	0.021	0					0.62
52.000	0.00	0.02	0.021	0					0.62
52.083	0.00	0.02	0.021	0					0.61
52.167	0.00	0.02	0.021	0					0.61
52.250	0.00	0.02	0.021	0					0.61
52.333	0.00	0.02	0.020	0					0.60
52.417	0.00	0.02	0.020	0					0.60
52.500	0.00	0.02	0.020	0					0.60
52.583	0.00	0.02	0.020	0					0.59
52.667	0.00	0.02	0.020	0					0.59
52.750	0.00	0.02	0.020	0					0.59
52.833	0.00	0.02	0.020	0					0.58
52.917	0.00	0.02	0.020	0					0.58
53.000	0.00	0.02	0.019	0					0.58
53.083	0.00	0.02	0.019	0					0.57
53.167	0.00	0.02	0.019	0					0.57
53.250	0.00	0.02	0.019	0					0.57
53.333	0.00	0.02	0.019	0					0.56
53.417	0.00	0.02	0.019	0					0.56
53.500	0.00	0.02	0.019	0					0.56
53.583	0.00	0.02	0.019	0					0.55
53.667	0.00	0.02	0.019	0					0.55
53.750	0.00	0.02	0.018	0					0.55
53.833	0.00	0.02	0.018	0					0.54
53.917	0.00	0.02	0.018	0					0.54
54.000	0.00	0.02	0.018	0					0.54
54.083	0.00	0.02	0.018	0					0.53
54.167	0.00	0.02	0.018	0					0.53
54.250	0.00	0.02	0.018	0					0.53
54.333	0.00	0.02	0.018	0					0.52
54.417	0.00	0.02	0.017	0					0.52
54.500	0.00	0.02	0.017	0					0.52
54.583	0.00	0.02	0.017	0					0.52
54.667	0.00	0.02	0.017	0					0.51
54.750	0.00	0.02	0.017	0					0.51
54.833	0.00	0.02	0.017	0					0.51
54.917	0.00	0.02	0.017	0					0.50
55.000	0.00	0.02	0.017	0					0.50
55.083	0.00	0.02	0.017	0					0.50
55.167	0.00	0.02	0.016	0					0.49
55.250	0.00	0.02	0.016	0					0.49
55.333	0.00	0.02	0.016	0					0.49
55.417	0.00	0.02	0.016	0					0.49
55.500	0.00	0.02	0.016	0					0.48
55.583	0.00	0.02	0.016	0					0.48
55.667	0.00	0.02	0.016	0					0.48
55.750	0.00	0.02	0.016	0					0.47
55.833	0.00	0.02	0.016	0					0.47
55.917	0.00	0.02	0.016	0					0.47
56.000	0.00	0.01	0.015	0					0.47

56.083	0.00	0.01	0.015	0					0.46
56.167	0.00	0.01	0.015	0					0.46
56.250	0.00	0.01	0.015	0					0.46
56.333	0.00	0.01	0.015	0					0.46
56.417	0.00	0.01	0.015	0					0.45
56.500	0.00	0.01	0.015	0					0.45
56.583	0.00	0.01	0.015	0					0.45
56.667	0.00	0.01	0.015	0					0.44
56.750	0.00	0.01	0.015	0					0.44
56.833	0.00	0.01	0.014	0					0.44
56.917	0.00	0.01	0.014	0					0.44
57.000	0.00	0.01	0.014	0					0.43
57.083	0.00	0.01	0.014	0					0.43
57.167	0.00	0.01	0.014	0					0.43
57.250	0.00	0.01	0.014	0					0.43
57.333	0.00	0.01	0.014	0					0.42
57.417	0.00	0.01	0.014	0					0.42
57.500	0.00	0.01	0.014	0					0.42
57.583	0.00	0.01	0.014	0					0.42
57.667	0.00	0.01	0.013	0					0.41
57.750	0.00	0.01	0.013	0					0.41
57.833	0.00	0.01	0.013	0					0.41
57.917	0.00	0.01	0.013	0					0.40
58.000	0.00	0.01	0.013	0					0.40
58.083	0.00	0.01	0.013	0					0.40
58.167	0.00	0.01	0.013	0					0.40
58.250	0.00	0.01	0.013	0					0.39
58.333	0.00	0.01	0.013	0					0.39
58.417	0.00	0.01	0.013	0					0.39
58.500	0.00	0.01	0.013	0					0.39
58.583	0.00	0.01	0.012	0					0.39
58.667	0.00	0.01	0.012	0					0.38
58.750	0.00	0.01	0.012	0					0.38
58.833	0.00	0.01	0.012	0					0.38
58.917	0.00	0.01	0.012	0					0.38
59.000	0.00	0.01	0.012	0					0.37
59.083	0.00	0.01	0.012	0					0.37
59.167	0.00	0.01	0.012	0					0.37
59.250	0.00	0.01	0.012	0					0.37
59.333	0.00	0.01	0.012	0					0.36
59.417	0.00	0.01	0.012	0					0.36
59.500	0.00	0.01	0.011	0					0.36
59.583	0.00	0.01	0.011	0					0.36
59.667	0.00	0.01	0.011	0					0.35
59.750	0.00	0.01	0.011	0					0.35
59.833	0.00	0.01	0.011	0					0.35
59.917	0.00	0.01	0.011	0					0.35
60.000	0.00	0.01	0.011	0					0.35
60.083	0.00	0.01	0.011	0					0.34
60.167	0.00	0.01	0.011	0					0.34

60.250	0.00	0.01	0.011	0					0.34
60.333	0.00	0.01	0.011	0					0.34
60.417	0.00	0.01	0.011	0					0.33
60.500	0.00	0.01	0.011	0					0.33
60.583	0.00	0.01	0.010	0					0.33
60.667	0.00	0.01	0.010	0					0.33
60.750	0.00	0.01	0.010	0					0.33
60.833	0.00	0.01	0.010	0					0.32
60.917	0.00	0.01	0.010	0					0.32
61.000	0.00	0.01	0.010	0					0.32
61.083	0.00	0.01	0.010	0					0.32
61.167	0.00	0.01	0.010	0					0.31
61.250	0.00	0.01	0.010	0					0.31
61.333	0.00	0.01	0.010	0					0.31
61.417	0.00	0.01	0.010	0					0.31
61.500	0.00	0.01	0.010	0					0.31
61.583	0.00	0.01	0.009	0					0.30
61.667	0.00	0.01	0.009	0					0.30
61.750	0.00	0.01	0.009	0					0.30
61.833	0.00	0.01	0.009	0					0.30
61.917	0.00	0.01	0.009	0					0.30
62.000	0.00	0.01	0.009	0					0.29
62.083	0.00	0.01	0.009	0					0.29
62.167	0.00	0.01	0.009	0					0.29
62.250	0.00	0.01	0.009	0					0.29
62.333	0.00	0.01	0.009	0					0.29
62.417	0.00	0.01	0.009	0					0.28
62.500	0.00	0.01	0.009	0					0.28
62.583	0.00	0.01	0.009	0					0.28
62.667	0.00	0.01	0.009	0					0.28
62.750	0.00	0.01	0.008	0					0.28
62.833	0.00	0.01	0.008	0					0.27
62.917	0.00	0.01	0.008	0					0.27
63.000	0.00	0.01	0.008	0					0.27
63.083	0.00	0.01	0.008	0					0.27
63.167	0.00	0.01	0.008	0					0.27
63.250	0.00	0.01	0.008	0					0.26
63.333	0.00	0.01	0.008	0					0.26
63.417	0.00	0.01	0.008	0					0.26
63.500	0.00	0.01	0.008	0					0.26
63.583	0.00	0.01	0.008	0					0.26
63.667	0.00	0.01	0.008	0					0.26
63.750	0.00	0.01	0.008	0					0.25
63.833	0.00	0.01	0.008	0					0.25
63.917	0.00	0.01	0.007	0					0.25
64.000	0.00	0.01	0.007	0					0.25
64.083	0.00	0.01	0.007	0					0.25
64.167	0.00	0.01	0.007	0					0.24
64.250	0.00	0.01	0.007	0					0.24
64.333	0.00	0.01	0.007	0					0.24

64.417	0.00	0.01	0.007	0					0.24
64.500	0.00	0.01	0.007	0					0.24
64.583	0.00	0.01	0.007	0					0.24
64.667	0.00	0.01	0.007	0					0.23
64.750	0.00	0.01	0.007	0					0.23
64.833	0.00	0.01	0.007	0					0.23
64.917	0.00	0.01	0.007	0					0.23
65.000	0.00	0.01	0.007	0					0.23
65.083	0.00	0.01	0.007	0					0.23
65.167	0.00	0.01	0.007	0					0.22
65.250	0.00	0.01	0.006	0					0.22
65.333	0.00	0.01	0.006	0					0.22
65.417	0.00	0.01	0.006	0					0.22
65.500	0.00	0.01	0.006	0					0.22
65.583	0.00	0.01	0.006	0					0.22
65.667	0.00	0.01	0.006	0					0.21
65.750	0.00	0.01	0.006	0					0.21
65.833	0.00	0.01	0.006	0					0.21
65.917	0.00	0.01	0.006	0					0.21
66.000	0.00	0.01	0.006	0					0.21
66.083	0.00	0.01	0.006	0					0.21
66.167	0.00	0.01	0.006	0					0.20
66.250	0.00	0.01	0.006	0					0.20
66.333	0.00	0.01	0.006	0					0.20
66.417	0.00	0.01	0.006	0					0.20
66.500	0.00	0.01	0.006	0					0.20
66.583	0.00	0.01	0.006	0					0.20
66.667	0.00	0.01	0.005	0					0.19
66.750	0.00	0.01	0.005	0					0.19
66.833	0.00	0.01	0.005	0					0.19
66.917	0.00	0.01	0.005	0					0.19
67.000	0.00	0.01	0.005	0					0.19
67.083	0.00	0.01	0.005	0					0.19
67.167	0.00	0.01	0.005	0					0.19
67.250	0.00	0.01	0.005	0					0.18
67.333	0.00	0.01	0.005	0					0.18
67.417	0.00	0.01	0.005	0					0.18
67.500	0.00	0.01	0.005	0					0.18
67.583	0.00	0.01	0.005	0					0.18
67.667	0.00	0.01	0.005	0					0.18
67.750	0.00	0.01	0.005	0					0.17
67.833	0.00	0.01	0.005	0					0.17
67.917	0.00	0.01	0.005	0					0.17
68.000	0.00	0.01	0.005	0					0.17
68.083	0.00	0.01	0.005	0					0.17
68.167	0.00	0.01	0.004	0					0.17
68.250	0.00	0.01	0.004	0					0.17
68.333	0.00	0.01	0.004	0					0.16
68.417	0.00	0.01	0.004	0					0.16
68.500	0.00	0.01	0.004	0					0.16

68.583	0.00	0.01	0.004	0					0.16
68.667	0.00	0.01	0.004	0					0.16
68.750	0.00	0.01	0.004	0					0.16
68.833	0.00	0.01	0.004	0					0.16
68.917	0.00	0.01	0.004	0					0.15
69.000	0.00	0.01	0.004	0					0.15
69.083	0.00	0.01	0.004	0					0.15
69.167	0.00	0.01	0.004	0					0.15
69.250	0.00	0.01	0.004	0					0.15
69.333	0.00	0.01	0.004	0					0.15
69.417	0.00	0.01	0.004	0					0.15
69.500	0.00	0.01	0.004	0					0.15
69.583	0.00	0.01	0.004	0					0.14
69.667	0.00	0.01	0.004	0					0.14
69.750	0.00	0.01	0.004	0					0.14
69.833	0.00	0.01	0.003	0					0.14
69.917	0.00	0.01	0.003	0					0.14
70.000	0.00	0.01	0.003	0					0.14
70.083	0.00	0.01	0.003	0					0.14
70.167	0.00	0.01	0.003	0					0.13
70.250	0.00	0.01	0.003	0					0.13
70.333	0.00	0.01	0.003	0					0.13
70.417	0.00	0.01	0.003	0					0.13
70.500	0.00	0.01	0.003	0					0.13
70.583	0.00	0.01	0.003	0					0.13
70.667	0.00	0.01	0.003	0					0.13
70.750	0.00	0.01	0.003	0					0.13
70.833	0.00	0.01	0.003	0					0.12
70.917	0.00	0.01	0.003	0					0.12
71.000	0.00	0.01	0.003	0					0.12
71.083	0.00	0.01	0.003	0					0.12
71.167	0.00	0.01	0.003	0					0.12
71.250	0.00	0.01	0.003	0					0.12
71.333	0.00	0.01	0.003	0					0.12
71.417	0.00	0.01	0.003	0					0.12
71.500	0.00	0.01	0.003	0					0.11
71.583	0.00	0.01	0.003	0					0.11
71.667	0.00	0.01	0.002	0					0.11
71.750	0.00	0.01	0.002	0					0.11
71.833	0.00	0.01	0.002	0					0.11
71.917	0.00	0.01	0.002	0					0.11
72.000	0.00	0.01	0.002	0					0.11
72.083	0.00	0.01	0.002	0					0.11
72.167	0.00	0.01	0.002	0					0.11
72.250	0.00	0.01	0.002	0					0.10
72.333	0.00	0.01	0.002	0					0.10
72.417	0.00	0.01	0.002	0					0.10
72.500	0.00	0.01	0.002	0					0.10
72.583	0.00	0.01	0.002	0					0.10
72.667	0.00	0.01	0.002	0					0.10

72.750	0.00	0.01	0.002	0					0.10
72.833	0.00	0.01	0.002	0					0.09
72.917	0.00	0.01	0.002	0					0.09
73.000	0.00	0.01	0.002	0					0.09
73.083	0.00	0.01	0.002	0					0.09
73.167	0.00	0.01	0.002	0					0.09
73.250	0.00	0.01	0.002	0					0.08
73.333	0.00	0.00	0.002	0					0.08
73.417	0.00	0.00	0.002	0					0.08
73.500	0.00	0.00	0.002	0					0.08
73.583	0.00	0.00	0.002	0					0.08
73.667	0.00	0.00	0.002	0					0.08
73.750	0.00	0.00	0.001	0					0.07
73.833	0.00	0.00	0.001	0					0.07
73.917	0.00	0.00	0.001	0					0.07
74.000	0.00	0.00	0.001	0					0.07
74.083	0.00	0.00	0.001	0					0.07
74.167	0.00	0.00	0.001	0					0.07
74.250	0.00	0.00	0.001	0					0.07
74.333	0.00	0.00	0.001	0					0.06
74.417	0.00	0.00	0.001	0					0.06
74.500	0.00	0.00	0.001	0					0.06
74.583	0.00	0.00	0.001	0					0.06
74.667	0.00	0.00	0.001	0					0.06
74.750	0.00	0.00	0.001	0					0.06
74.833	0.00	0.00	0.001	0					0.06
74.917	0.00	0.00	0.001	0					0.06
75.000	0.00	0.00	0.001	0					0.05
75.083	0.00	0.00	0.001	0					0.05
75.167	0.00	0.00	0.001	0					0.05
75.250	0.00	0.00	0.001	0					0.05
75.333	0.00	0.00	0.001	0					0.05
75.417	0.00	0.00	0.001	0					0.05
75.500	0.00	0.00	0.001	0					0.05
75.583	0.00	0.00	0.001	0					0.05
75.667	0.00	0.00	0.001	0					0.05
75.750	0.00	0.00	0.001	0					0.05
75.833	0.00	0.00	0.001	0					0.04
75.917	0.00	0.00	0.001	0					0.04
76.000	0.00	0.00	0.001	0					0.04
76.083	0.00	0.00	0.001	0					0.04
76.167	0.00	0.00	0.001	0					0.04
76.250	0.00	0.00	0.001	0					0.04
76.333	0.00	0.00	0.001	0					0.04
76.417	0.00	0.00	0.001	0					0.04
76.500	0.00	0.00	0.001	0					0.04
76.583	0.00	0.00	0.001	0					0.04
76.667	0.00	0.00	0.001	0					0.04
76.750	0.00	0.00	0.001	0					0.04
76.833	0.00	0.00	0.001	0					0.03

76.917	0.00	0.00	0.001	0					0.03
77.000	0.00	0.00	0.001	0					0.03
77.083	0.00	0.00	0.001	0					0.03
77.167	0.00	0.00	0.001	0					0.03
77.250	0.00	0.00	0.001	0					0.03
77.333	0.00	0.00	0.001	0					0.03
77.417	0.00	0.00	0.001	0					0.03
77.500	0.00	0.00	0.001	0					0.03
77.583	0.00	0.00	0.001	0					0.03
77.667	0.00	0.00	0.001	0					0.03
77.750	0.00	0.00	0.001	0					0.03
77.833	0.00	0.00	0.001	0					0.03
77.917	0.00	0.00	0.001	0					0.03
78.000	0.00	0.00	0.001	0					0.03
78.083	0.00	0.00	0.001	0					0.03
78.167	0.00	0.00	0.000	0					0.02
78.250	0.00	0.00	0.000	0					0.02
78.333	0.00	0.00	0.000	0					0.02
78.417	0.00	0.00	0.000	0					0.02
78.500	0.00	0.00	0.000	0					0.02
78.583	0.00	0.00	0.000	0					0.02
78.667	0.00	0.00	0.000	0					0.02
78.750	0.00	0.00	0.000	0					0.02
78.833	0.00	0.00	0.000	0					0.02
78.917	0.00	0.00	0.000	0					0.02
79.000	0.00	0.00	0.000	0					0.02
79.083	0.00	0.00	0.000	0					0.02
79.167	0.00	0.00	0.000	0					0.02
79.250	0.00	0.00	0.000	0					0.02
79.333	0.00	0.00	0.000	0					0.02
79.417	0.00	0.00	0.000	0					0.02
79.500	0.00	0.00	0.000	0					0.02
79.583	0.00	0.00	0.000	0					0.02
79.667	0.00	0.00	0.000	0					0.02
79.750	0.00	0.00	0.000	0					0.02
79.833	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 958

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.049 (CFS)

Total volume = 0.174 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
5 yr
1 yr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da415.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.137 (CFS)
Total volume = 0.111 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.0	2.07	3.10	4.14	Depth (Ft.)
0.083	0.38	0.00	0.001	O I					0.06
0.167	0.59	0.01	0.005	O I					0.17
0.250	0.67	0.01	0.009	O I					0.29
0.333	0.71	0.01	0.014	O I					0.41
0.417	0.80	0.02	0.019	O I					0.55
0.500	0.94	0.02	0.024	O I					0.71
0.583	1.09	0.03	0.031	O I					0.90
0.667	1.30	0.03	0.039	O I	I				1.08
0.750	1.84	0.03	0.050	O I	I				1.26
0.833	4.14	0.03	0.070	O I				I	1.62
0.917	2.48	0.04	0.093	O I		I			2.01
1.000	0.96	0.04	0.104	O I	I				2.18
1.083	0.27	0.04	0.108	O I					2.24
1.167	0.02	0.04	0.109	O I					2.25
1.250	0.00	0.04	0.109	O I					2.25
1.333	0.00	0.04	0.109	O I					2.24
1.417	0.00	0.04	0.108	O I					2.24
1.500	0.00	0.04	0.108	O I					2.24
1.583	0.00	0.04	0.108	O I					2.23
1.667	0.00	0.04	0.107	O I					2.23
1.750	0.00	0.04	0.107	O I					2.22
1.833	0.00	0.04	0.107	O I					2.22

1.917	0.00	0.04	0.107	0					2.22
2.000	0.00	0.04	0.106	0					2.21
2.083	0.00	0.04	0.106	0					2.21
2.167	0.00	0.04	0.106	0					2.20
2.250	0.00	0.04	0.105	0					2.20
2.333	0.00	0.04	0.105	0					2.19
2.417	0.00	0.04	0.105	0					2.19
2.500	0.00	0.04	0.105	0					2.19
2.583	0.00	0.04	0.104	0					2.18
2.667	0.00	0.04	0.104	0					2.18
2.750	0.00	0.04	0.104	0					2.17
2.833	0.00	0.04	0.104	0					2.17
2.917	0.00	0.04	0.103	0					2.17
3.000	0.00	0.04	0.103	0					2.16
3.083	0.00	0.04	0.103	0					2.16
3.167	0.00	0.04	0.102	0					2.15
3.250	0.00	0.04	0.102	0					2.15
3.333	0.00	0.04	0.102	0					2.15
3.417	0.00	0.04	0.102	0					2.14
3.500	0.00	0.04	0.101	0					2.14
3.583	0.00	0.04	0.101	0					2.13
3.667	0.00	0.04	0.101	0					2.13
3.750	0.00	0.04	0.100	0					2.12
3.833	0.00	0.04	0.100	0					2.12
3.917	0.00	0.04	0.100	0					2.12
4.000	0.00	0.04	0.100	0					2.11
4.083	0.00	0.04	0.099	0					2.11
4.167	0.00	0.04	0.099	0					2.10
4.250	0.00	0.04	0.099	0					2.10
4.333	0.00	0.04	0.099	0					2.10
4.417	0.00	0.04	0.098	0					2.09
4.500	0.00	0.04	0.098	0					2.09
4.583	0.00	0.04	0.098	0					2.08
4.667	0.00	0.04	0.097	0					2.08
4.750	0.00	0.04	0.097	0					2.08
4.833	0.00	0.04	0.097	0					2.07
4.917	0.00	0.04	0.097	0					2.07
5.000	0.00	0.04	0.096	0					2.06
5.083	0.00	0.04	0.096	0					2.06
5.167	0.00	0.04	0.096	0					2.06
5.250	0.00	0.04	0.096	0					2.05
5.333	0.00	0.04	0.095	0					2.05
5.417	0.00	0.04	0.095	0					2.04
5.500	0.00	0.04	0.095	0					2.04
5.583	0.00	0.04	0.094	0					2.04
5.667	0.00	0.04	0.094	0					2.03
5.750	0.00	0.04	0.094	0					2.03
5.833	0.00	0.04	0.094	0					2.02
5.917	0.00	0.04	0.093	0					2.02
6.000	0.00	0.04	0.093	0					2.02

6.083	0.00	0.04	0.093	0					2.01
6.167	0.00	0.04	0.093	0					2.01
6.250	0.00	0.04	0.092	0					2.00
6.333	0.00	0.04	0.092	0					2.00
6.417	0.00	0.04	0.092	0					2.00
6.500	0.00	0.04	0.092	0					1.99
6.583	0.00	0.04	0.091	0					1.99
6.667	0.00	0.04	0.091	0					1.98
6.750	0.00	0.04	0.091	0					1.98
6.833	0.00	0.04	0.090	0					1.97
6.917	0.00	0.04	0.090	0					1.97
7.000	0.00	0.04	0.090	0					1.96
7.083	0.00	0.04	0.090	0					1.96
7.167	0.00	0.04	0.089	0					1.95
7.250	0.00	0.04	0.089	0					1.95
7.333	0.00	0.04	0.089	0					1.94
7.417	0.00	0.04	0.089	0					1.94
7.500	0.00	0.04	0.088	0					1.94
7.583	0.00	0.04	0.088	0					1.93
7.667	0.00	0.04	0.088	0					1.93
7.750	0.00	0.04	0.088	0					1.92
7.833	0.00	0.04	0.087	0					1.92
7.917	0.00	0.04	0.087	0					1.91
8.000	0.00	0.04	0.087	0					1.91
8.083	0.00	0.04	0.086	0					1.90
8.167	0.00	0.04	0.086	0					1.90
8.250	0.00	0.04	0.086	0					1.89
8.333	0.00	0.04	0.086	0					1.89
8.417	0.00	0.04	0.085	0					1.88
8.500	0.00	0.04	0.085	0					1.88
8.583	0.00	0.04	0.085	0					1.88
8.667	0.00	0.04	0.085	0					1.87
8.750	0.00	0.04	0.084	0					1.87
8.833	0.00	0.04	0.084	0					1.86
8.917	0.00	0.04	0.084	0					1.86
9.000	0.00	0.04	0.084	0					1.85
9.083	0.00	0.04	0.083	0					1.85
9.167	0.00	0.04	0.083	0					1.84
9.250	0.00	0.04	0.083	0					1.84
9.333	0.00	0.04	0.083	0					1.83
9.417	0.00	0.04	0.082	0					1.83
9.500	0.00	0.04	0.082	0					1.83
9.583	0.00	0.04	0.082	0					1.82
9.667	0.00	0.04	0.082	0					1.82
9.750	0.00	0.04	0.081	0					1.81
9.833	0.00	0.04	0.081	0					1.81
9.917	0.00	0.04	0.081	0					1.80
10.000	0.00	0.04	0.081	0					1.80
10.083	0.00	0.04	0.080	0					1.79
10.167	0.00	0.04	0.080	0					1.79

10.250	0.00	0.04	0.080	0					1.79
10.333	0.00	0.04	0.080	0					1.78
10.417	0.00	0.04	0.079	0					1.78
10.500	0.00	0.04	0.079	0					1.77
10.583	0.00	0.04	0.079	0					1.77
10.667	0.00	0.04	0.079	0					1.76
10.750	0.00	0.04	0.078	0					1.76
10.833	0.00	0.04	0.078	0					1.76
10.917	0.00	0.04	0.078	0					1.75
11.000	0.00	0.04	0.078	0					1.75
11.083	0.00	0.04	0.077	0					1.74
11.167	0.00	0.04	0.077	0					1.74
11.250	0.00	0.04	0.077	0					1.73
11.333	0.00	0.04	0.077	0					1.73
11.417	0.00	0.04	0.076	0					1.72
11.500	0.00	0.04	0.076	0					1.72
11.583	0.00	0.04	0.076	0					1.72
11.667	0.00	0.04	0.076	0					1.71
11.750	0.00	0.04	0.075	0					1.71
11.833	0.00	0.04	0.075	0					1.70
11.917	0.00	0.04	0.075	0					1.70
12.000	0.00	0.04	0.075	0					1.69
12.083	0.00	0.04	0.074	0					1.69
12.167	0.00	0.04	0.074	0					1.69
12.250	0.00	0.04	0.074	0					1.68
12.333	0.00	0.04	0.074	0					1.68
12.417	0.00	0.04	0.073	0					1.67
12.500	0.00	0.04	0.073	0					1.67
12.583	0.00	0.04	0.073	0					1.66
12.667	0.00	0.04	0.073	0					1.66
12.750	0.00	0.04	0.072	0					1.66
12.833	0.00	0.04	0.072	0					1.65
12.917	0.00	0.04	0.072	0					1.65
13.000	0.00	0.04	0.072	0					1.64
13.083	0.00	0.04	0.071	0					1.64
13.167	0.00	0.03	0.071	0					1.63
13.250	0.00	0.03	0.071	0					1.63
13.333	0.00	0.03	0.071	0					1.63
13.417	0.00	0.03	0.070	0					1.62
13.500	0.00	0.03	0.070	0					1.62
13.583	0.00	0.03	0.070	0					1.61
13.667	0.00	0.03	0.070	0					1.61
13.750	0.00	0.03	0.069	0					1.61
13.833	0.00	0.03	0.069	0					1.60
13.917	0.00	0.03	0.069	0					1.60
14.000	0.00	0.03	0.069	0					1.59
14.083	0.00	0.03	0.069	0					1.59
14.167	0.00	0.03	0.068	0					1.58
14.250	0.00	0.03	0.068	0					1.58
14.333	0.00	0.03	0.068	0					1.58

14.417	0.00	0.03	0.068	0					1.57
14.500	0.00	0.03	0.067	0					1.57
14.583	0.00	0.03	0.067	0					1.56
14.667	0.00	0.03	0.067	0					1.56
14.750	0.00	0.03	0.067	0					1.56
14.833	0.00	0.03	0.066	0					1.55
14.917	0.00	0.03	0.066	0					1.55
15.000	0.00	0.03	0.066	0					1.54
15.083	0.00	0.03	0.066	0					1.54
15.167	0.00	0.03	0.065	0					1.53
15.250	0.00	0.03	0.065	0					1.53
15.333	0.00	0.03	0.065	0					1.53
15.417	0.00	0.03	0.065	0					1.52
15.500	0.00	0.03	0.065	0					1.52
15.583	0.00	0.03	0.064	0					1.51
15.667	0.00	0.03	0.064	0					1.51
15.750	0.00	0.03	0.064	0					1.51
15.833	0.00	0.03	0.064	0					1.50
15.917	0.00	0.03	0.063	0					1.50
16.000	0.00	0.03	0.063	0					1.49
16.083	0.00	0.03	0.063	0					1.49
16.167	0.00	0.03	0.063	0					1.49
16.250	0.00	0.03	0.062	0					1.48
16.333	0.00	0.03	0.062	0					1.48
16.417	0.00	0.03	0.062	0					1.47
16.500	0.00	0.03	0.062	0					1.47
16.583	0.00	0.03	0.062	0					1.47
16.667	0.00	0.03	0.061	0					1.46
16.750	0.00	0.03	0.061	0					1.46
16.833	0.00	0.03	0.061	0					1.45
16.917	0.00	0.03	0.061	0					1.45
17.000	0.00	0.03	0.060	0					1.45
17.083	0.00	0.03	0.060	0					1.44
17.167	0.00	0.03	0.060	0					1.44
17.250	0.00	0.03	0.060	0					1.43
17.333	0.00	0.03	0.060	0					1.43
17.417	0.00	0.03	0.059	0					1.43
17.500	0.00	0.03	0.059	0					1.42
17.583	0.00	0.03	0.059	0					1.42
17.667	0.00	0.03	0.059	0					1.41
17.750	0.00	0.03	0.058	0					1.41
17.833	0.00	0.03	0.058	0					1.41
17.917	0.00	0.03	0.058	0					1.40
18.000	0.00	0.03	0.058	0					1.40
18.083	0.00	0.03	0.057	0					1.39
18.167	0.00	0.03	0.057	0					1.39
18.250	0.00	0.03	0.057	0					1.39
18.333	0.00	0.03	0.057	0					1.38
18.417	0.00	0.03	0.057	0					1.38
18.500	0.00	0.03	0.056	0					1.38

18.583	0.00	0.03	0.056	0					1.37
18.667	0.00	0.03	0.056	0					1.37
18.750	0.00	0.03	0.056	0					1.36
18.833	0.00	0.03	0.056	0					1.36
18.917	0.00	0.03	0.055	0					1.36
19.000	0.00	0.03	0.055	0					1.35
19.083	0.00	0.03	0.055	0					1.35
19.167	0.00	0.03	0.055	0					1.34
19.250	0.00	0.03	0.054	0					1.34
19.333	0.00	0.03	0.054	0					1.34
19.417	0.00	0.03	0.054	0					1.33
19.500	0.00	0.03	0.054	0					1.33
19.583	0.00	0.03	0.054	0					1.33
19.667	0.00	0.03	0.053	0					1.32
19.750	0.00	0.03	0.053	0					1.32
19.833	0.00	0.03	0.053	0					1.31
19.917	0.00	0.03	0.053	0					1.31
20.000	0.00	0.03	0.052	0					1.31
20.083	0.00	0.03	0.052	0					1.30
20.167	0.00	0.03	0.052	0					1.30
20.250	0.00	0.03	0.052	0					1.29
20.333	0.00	0.03	0.052	0					1.29
20.417	0.00	0.03	0.051	0					1.29
20.500	0.00	0.03	0.051	0					1.28
20.583	0.00	0.03	0.051	0					1.28
20.667	0.00	0.03	0.051	0					1.28
20.750	0.00	0.03	0.051	0					1.27
20.833	0.00	0.03	0.050	0					1.27
20.917	0.00	0.03	0.050	0					1.26
21.000	0.00	0.03	0.050	0					1.26
21.083	0.00	0.03	0.050	0					1.26
21.167	0.00	0.03	0.049	0					1.25
21.250	0.00	0.03	0.049	0					1.25
21.333	0.00	0.03	0.049	0					1.25
21.417	0.00	0.03	0.049	0					1.24
21.500	0.00	0.03	0.049	0					1.24
21.583	0.00	0.03	0.048	0					1.24
21.667	0.00	0.03	0.048	0					1.23
21.750	0.00	0.03	0.048	0					1.23
21.833	0.00	0.03	0.048	0					1.22
21.917	0.00	0.03	0.048	0					1.22
22.000	0.00	0.03	0.047	0					1.22
22.083	0.00	0.03	0.047	0					1.21
22.167	0.00	0.03	0.047	0					1.21
22.250	0.00	0.03	0.047	0					1.21
22.333	0.00	0.03	0.047	0					1.20
22.417	0.00	0.03	0.046	0					1.20
22.500	0.00	0.03	0.046	0					1.19
22.583	0.00	0.03	0.046	0					1.19
22.667	0.00	0.03	0.046	0					1.19

22.750	0.00	0.03	0.045	0					1.18
22.833	0.00	0.03	0.045	0					1.18
22.917	0.00	0.03	0.045	0					1.18
23.000	0.00	0.03	0.045	0					1.17
23.083	0.00	0.03	0.045	0					1.17
23.167	0.00	0.03	0.044	0					1.17
23.250	0.00	0.03	0.044	0					1.16
23.333	0.00	0.03	0.044	0					1.16
23.417	0.00	0.03	0.044	0					1.15
23.500	0.00	0.03	0.044	0					1.15
23.583	0.00	0.03	0.043	0					1.15
23.667	0.00	0.03	0.043	0					1.14
23.750	0.00	0.03	0.043	0					1.14
23.833	0.00	0.03	0.043	0					1.14
23.917	0.00	0.03	0.043	0					1.13
24.000	0.00	0.03	0.042	0					1.13
24.083	0.00	0.03	0.042	0					1.13
24.167	0.00	0.03	0.042	0					1.12
24.250	0.00	0.03	0.042	0					1.12
24.333	0.00	0.03	0.042	0					1.12
24.417	0.00	0.03	0.041	0					1.11
24.500	0.00	0.03	0.041	0					1.11
24.583	0.00	0.03	0.041	0					1.11
24.667	0.00	0.03	0.041	0					1.10
24.750	0.00	0.03	0.041	0					1.10
24.833	0.00	0.03	0.040	0					1.09
24.917	0.00	0.03	0.040	0					1.09
25.000	0.00	0.03	0.040	0					1.09
25.083	0.00	0.03	0.040	0					1.08
25.167	0.00	0.03	0.040	0					1.08
25.250	0.00	0.03	0.039	0					1.08
25.333	0.00	0.03	0.039	0					1.07
25.417	0.00	0.03	0.039	0					1.07
25.500	0.00	0.03	0.039	0					1.07
25.583	0.00	0.03	0.039	0					1.06
25.667	0.00	0.03	0.038	0					1.06
25.750	0.00	0.03	0.038	0					1.06
25.833	0.00	0.03	0.038	0					1.05
25.917	0.00	0.03	0.038	0					1.05
26.000	0.00	0.03	0.038	0					1.05
26.083	0.00	0.03	0.037	0					1.04
26.167	0.00	0.03	0.037	0					1.04
26.250	0.00	0.03	0.037	0					1.04
26.333	0.00	0.03	0.037	0					1.03
26.417	0.00	0.03	0.037	0					1.03
26.500	0.00	0.03	0.036	0					1.03
26.583	0.00	0.03	0.036	0					1.02
26.667	0.00	0.03	0.036	0					1.02
26.750	0.00	0.03	0.036	0					1.02
26.833	0.00	0.03	0.036	0					1.01

26.917	0.00	0.03	0.035	0					1.01
27.000	0.00	0.03	0.035	0					1.00
27.083	0.00	0.03	0.035	0					1.00
27.167	0.00	0.03	0.035	0					1.00
27.250	0.00	0.03	0.035	0					0.99
27.333	0.00	0.03	0.035	0					0.99
27.417	0.00	0.03	0.034	0					0.98
27.500	0.00	0.03	0.034	0					0.98
27.583	0.00	0.03	0.034	0					0.97
27.667	0.00	0.03	0.034	0					0.97
27.750	0.00	0.03	0.034	0					0.96
27.833	0.00	0.03	0.033	0					0.96
27.917	0.00	0.03	0.033	0					0.95
28.000	0.00	0.03	0.033	0					0.95
28.083	0.00	0.03	0.033	0					0.94
28.167	0.00	0.03	0.033	0					0.94
28.250	0.00	0.03	0.032	0					0.93
28.333	0.00	0.03	0.032	0					0.93
28.417	0.00	0.03	0.032	0					0.92
28.500	0.00	0.03	0.032	0					0.92
28.583	0.00	0.03	0.032	0					0.91
28.667	0.00	0.03	0.032	0					0.91
28.750	0.00	0.03	0.031	0					0.90
28.833	0.00	0.03	0.031	0					0.90
28.917	0.00	0.03	0.031	0					0.89
29.000	0.00	0.03	0.031	0					0.89
29.083	0.00	0.03	0.031	0					0.88
29.167	0.00	0.03	0.031	0					0.88
29.250	0.00	0.02	0.030	0					0.87
29.333	0.00	0.02	0.030	0					0.87
29.417	0.00	0.02	0.030	0					0.86
29.500	0.00	0.02	0.030	0					0.86
29.583	0.00	0.02	0.030	0					0.85
29.667	0.00	0.02	0.030	0					0.85
29.750	0.00	0.02	0.029	0					0.85
29.833	0.00	0.02	0.029	0					0.84
29.917	0.00	0.02	0.029	0					0.84
30.000	0.00	0.02	0.029	0					0.83
30.083	0.00	0.02	0.029	0					0.83
30.167	0.00	0.02	0.029	0					0.82
30.250	0.00	0.02	0.028	0					0.82
30.333	0.00	0.02	0.028	0					0.81
30.417	0.00	0.02	0.028	0					0.81
30.500	0.00	0.02	0.028	0					0.81
30.583	0.00	0.02	0.028	0					0.80
30.667	0.00	0.02	0.028	0					0.80
30.750	0.00	0.02	0.027	0					0.79
30.833	0.00	0.02	0.027	0					0.79
30.917	0.00	0.02	0.027	0					0.78
31.000	0.00	0.02	0.027	0					0.78

31.083	0.00	0.02	0.027	0					0.78
31.167	0.00	0.02	0.027	0					0.77
31.250	0.00	0.02	0.026	0					0.77
31.333	0.00	0.02	0.026	0					0.76
31.417	0.00	0.02	0.026	0					0.76
31.500	0.00	0.02	0.026	0					0.75
31.583	0.00	0.02	0.026	0					0.75
31.667	0.00	0.02	0.026	0					0.75
31.750	0.00	0.02	0.026	0					0.74
31.833	0.00	0.02	0.025	0					0.74
31.917	0.00	0.02	0.025	0					0.73
32.000	0.00	0.02	0.025	0					0.73
32.083	0.00	0.02	0.025	0					0.73
32.167	0.00	0.02	0.025	0					0.72
32.250	0.00	0.02	0.025	0					0.72
32.333	0.00	0.02	0.025	0					0.71
32.417	0.00	0.02	0.024	0					0.71
32.500	0.00	0.02	0.024	0					0.71
32.583	0.00	0.02	0.024	0					0.70
32.667	0.00	0.02	0.024	0					0.70
32.750	0.00	0.02	0.024	0					0.69
32.833	0.00	0.02	0.024	0					0.69
32.917	0.00	0.02	0.024	0					0.69
33.000	0.00	0.02	0.023	0					0.68
33.083	0.00	0.02	0.023	0					0.68
33.167	0.00	0.02	0.023	0					0.68
33.250	0.00	0.02	0.023	0					0.67
33.333	0.00	0.02	0.023	0					0.67
33.417	0.00	0.02	0.023	0					0.66
33.500	0.00	0.02	0.023	0					0.66
33.583	0.00	0.02	0.022	0					0.66
33.667	0.00	0.02	0.022	0					0.65
33.750	0.00	0.02	0.022	0					0.65
33.833	0.00	0.02	0.022	0					0.65
33.917	0.00	0.02	0.022	0					0.64
34.000	0.00	0.02	0.022	0					0.64
34.083	0.00	0.02	0.022	0					0.64
34.167	0.00	0.02	0.021	0					0.63
34.250	0.00	0.02	0.021	0					0.63
34.333	0.00	0.02	0.021	0					0.62
34.417	0.00	0.02	0.021	0					0.62
34.500	0.00	0.02	0.021	0					0.62
34.583	0.00	0.02	0.021	0					0.61
34.667	0.00	0.02	0.021	0					0.61
34.750	0.00	0.02	0.021	0					0.61
34.833	0.00	0.02	0.020	0					0.60
34.917	0.00	0.02	0.020	0					0.60
35.000	0.00	0.02	0.020	0					0.60
35.083	0.00	0.02	0.020	0					0.59
35.167	0.00	0.02	0.020	0					0.59

35.250	0.00	0.02	0.020	0					0.59
35.333	0.00	0.02	0.020	0					0.58
35.417	0.00	0.02	0.020	0					0.58
35.500	0.00	0.02	0.019	0					0.58
35.583	0.00	0.02	0.019	0					0.57
35.667	0.00	0.02	0.019	0					0.57
35.750	0.00	0.02	0.019	0					0.57
35.833	0.00	0.02	0.019	0					0.56
35.917	0.00	0.02	0.019	0					0.56
36.000	0.00	0.02	0.019	0					0.56
36.083	0.00	0.02	0.019	0					0.55
36.167	0.00	0.02	0.019	0					0.55
36.250	0.00	0.02	0.018	0					0.55
36.333	0.00	0.02	0.018	0					0.54
36.417	0.00	0.02	0.018	0					0.54
36.500	0.00	0.02	0.018	0					0.54
36.583	0.00	0.02	0.018	0					0.53
36.667	0.00	0.02	0.018	0					0.53
36.750	0.00	0.02	0.018	0					0.53
36.833	0.00	0.02	0.018	0					0.53
36.917	0.00	0.02	0.017	0					0.52
37.000	0.00	0.02	0.017	0					0.52
37.083	0.00	0.02	0.017	0					0.52
37.167	0.00	0.02	0.017	0					0.51
37.250	0.00	0.02	0.017	0					0.51
37.333	0.00	0.02	0.017	0					0.51
37.417	0.00	0.02	0.017	0					0.50
37.500	0.00	0.02	0.017	0					0.50
37.583	0.00	0.02	0.017	0					0.50
37.667	0.00	0.02	0.016	0					0.50
37.750	0.00	0.02	0.016	0					0.49
37.833	0.00	0.02	0.016	0					0.49
37.917	0.00	0.02	0.016	0					0.49
38.000	0.00	0.02	0.016	0					0.48
38.083	0.00	0.02	0.016	0					0.48
38.167	0.00	0.02	0.016	0					0.48
38.250	0.00	0.02	0.016	0					0.47
38.333	0.00	0.02	0.016	0					0.47
38.417	0.00	0.02	0.016	0					0.47
38.500	0.00	0.01	0.015	0					0.47
38.583	0.00	0.01	0.015	0					0.46
38.667	0.00	0.01	0.015	0					0.46
38.750	0.00	0.01	0.015	0					0.46
38.833	0.00	0.01	0.015	0					0.46
38.917	0.00	0.01	0.015	0					0.45
39.000	0.00	0.01	0.015	0					0.45
39.083	0.00	0.01	0.015	0					0.45
39.167	0.00	0.01	0.015	0					0.44
39.250	0.00	0.01	0.015	0					0.44
39.333	0.00	0.01	0.014	0					0.44

39.417	0.00	0.01	0.014	0					0.44
39.500	0.00	0.01	0.014	0					0.43
39.583	0.00	0.01	0.014	0					0.43
39.667	0.00	0.01	0.014	0					0.43
39.750	0.00	0.01	0.014	0					0.43
39.833	0.00	0.01	0.014	0					0.42
39.917	0.00	0.01	0.014	0					0.42
40.000	0.00	0.01	0.014	0					0.42
40.083	0.00	0.01	0.014	0					0.42
40.167	0.00	0.01	0.013	0					0.41
40.250	0.00	0.01	0.013	0					0.41
40.333	0.00	0.01	0.013	0					0.41
40.417	0.00	0.01	0.013	0					0.41
40.500	0.00	0.01	0.013	0					0.40
40.583	0.00	0.01	0.013	0					0.40
40.667	0.00	0.01	0.013	0					0.40
40.750	0.00	0.01	0.013	0					0.40
40.833	0.00	0.01	0.013	0					0.39
40.917	0.00	0.01	0.013	0					0.39
41.000	0.00	0.01	0.013	0					0.39
41.083	0.00	0.01	0.012	0					0.39
41.167	0.00	0.01	0.012	0					0.38
41.250	0.00	0.01	0.012	0					0.38
41.333	0.00	0.01	0.012	0					0.38
41.417	0.00	0.01	0.012	0					0.38
41.500	0.00	0.01	0.012	0					0.37
41.583	0.00	0.01	0.012	0					0.37
41.667	0.00	0.01	0.012	0					0.37
41.750	0.00	0.01	0.012	0					0.37
41.833	0.00	0.01	0.012	0					0.36
41.917	0.00	0.01	0.012	0					0.36
42.000	0.00	0.01	0.012	0					0.36
42.083	0.00	0.01	0.011	0					0.36
42.167	0.00	0.01	0.011	0					0.35
42.250	0.00	0.01	0.011	0					0.35
42.333	0.00	0.01	0.011	0					0.35
42.417	0.00	0.01	0.011	0					0.35
42.500	0.00	0.01	0.011	0					0.35
42.583	0.00	0.01	0.011	0					0.34
42.667	0.00	0.01	0.011	0					0.34
42.750	0.00	0.01	0.011	0					0.34
42.833	0.00	0.01	0.011	0					0.34
42.917	0.00	0.01	0.011	0					0.33
43.000	0.00	0.01	0.011	0					0.33
43.083	0.00	0.01	0.010	0					0.33
43.167	0.00	0.01	0.010	0					0.33
43.250	0.00	0.01	0.010	0					0.33
43.333	0.00	0.01	0.010	0					0.32
43.417	0.00	0.01	0.010	0					0.32
43.500	0.00	0.01	0.010	0					0.32

43.583	0.00	0.01	0.010	0					0.32
43.667	0.00	0.01	0.010	0					0.31
43.750	0.00	0.01	0.010	0					0.31
43.833	0.00	0.01	0.010	0					0.31
43.917	0.00	0.01	0.010	0					0.31
44.000	0.00	0.01	0.010	0					0.31
44.083	0.00	0.01	0.009	0					0.30
44.167	0.00	0.01	0.009	0					0.30
44.250	0.00	0.01	0.009	0					0.30
44.333	0.00	0.01	0.009	0					0.30
44.417	0.00	0.01	0.009	0					0.30
44.500	0.00	0.01	0.009	0					0.29
44.583	0.00	0.01	0.009	0					0.29
44.667	0.00	0.01	0.009	0					0.29
44.750	0.00	0.01	0.009	0					0.29
44.833	0.00	0.01	0.009	0					0.29
44.917	0.00	0.01	0.009	0					0.28
45.000	0.00	0.01	0.009	0					0.28
45.083	0.00	0.01	0.009	0					0.28
45.167	0.00	0.01	0.009	0					0.28
45.250	0.00	0.01	0.008	0					0.28
45.333	0.00	0.01	0.008	0					0.27
45.417	0.00	0.01	0.008	0					0.27
45.500	0.00	0.01	0.008	0					0.27
45.583	0.00	0.01	0.008	0					0.27
45.667	0.00	0.01	0.008	0					0.27
45.750	0.00	0.01	0.008	0					0.26
45.833	0.00	0.01	0.008	0					0.26
45.917	0.00	0.01	0.008	0					0.26
46.000	0.00	0.01	0.008	0					0.26
46.083	0.00	0.01	0.008	0					0.26
46.167	0.00	0.01	0.008	0					0.26
46.250	0.00	0.01	0.008	0					0.25
46.333	0.00	0.01	0.008	0					0.25
46.417	0.00	0.01	0.008	0					0.25
46.500	0.00	0.01	0.007	0					0.25
46.583	0.00	0.01	0.007	0					0.25
46.667	0.00	0.01	0.007	0					0.24
46.750	0.00	0.01	0.007	0					0.24
46.833	0.00	0.01	0.007	0					0.24
46.917	0.00	0.01	0.007	0					0.24
47.000	0.00	0.01	0.007	0					0.24
47.083	0.00	0.01	0.007	0					0.24
47.167	0.00	0.01	0.007	0					0.23
47.250	0.00	0.01	0.007	0					0.23
47.333	0.00	0.01	0.007	0					0.23
47.417	0.00	0.01	0.007	0					0.23
47.500	0.00	0.01	0.007	0					0.23
47.583	0.00	0.01	0.007	0					0.23
47.667	0.00	0.01	0.007	0					0.22

47.750	0.00	0.01	0.006	0					0.22
47.833	0.00	0.01	0.006	0					0.22
47.917	0.00	0.01	0.006	0					0.22
48.000	0.00	0.01	0.006	0					0.22
48.083	0.00	0.01	0.006	0					0.22
48.167	0.00	0.01	0.006	0					0.21
48.250	0.00	0.01	0.006	0					0.21
48.333	0.00	0.01	0.006	0					0.21
48.417	0.00	0.01	0.006	0					0.21
48.500	0.00	0.01	0.006	0					0.21
48.583	0.00	0.01	0.006	0					0.21
48.667	0.00	0.01	0.006	0					0.20
48.750	0.00	0.01	0.006	0					0.20
48.833	0.00	0.01	0.006	0					0.20
48.917	0.00	0.01	0.006	0					0.20
49.000	0.00	0.01	0.006	0					0.20
49.083	0.00	0.01	0.006	0					0.20
49.167	0.00	0.01	0.005	0					0.19
49.250	0.00	0.01	0.005	0					0.19
49.333	0.00	0.01	0.005	0					0.19
49.417	0.00	0.01	0.005	0					0.19
49.500	0.00	0.01	0.005	0					0.19
49.583	0.00	0.01	0.005	0					0.19
49.667	0.00	0.01	0.005	0					0.19
49.750	0.00	0.01	0.005	0					0.18
49.833	0.00	0.01	0.005	0					0.18
49.917	0.00	0.01	0.005	0					0.18
50.000	0.00	0.01	0.005	0					0.18
50.083	0.00	0.01	0.005	0					0.18
50.167	0.00	0.01	0.005	0					0.18
50.250	0.00	0.01	0.005	0					0.17
50.333	0.00	0.01	0.005	0					0.17
50.417	0.00	0.01	0.005	0					0.17
50.500	0.00	0.01	0.005	0					0.17
50.583	0.00	0.01	0.005	0					0.17
50.667	0.00	0.01	0.004	0					0.17
50.750	0.00	0.01	0.004	0					0.17
50.833	0.00	0.01	0.004	0					0.16
50.917	0.00	0.01	0.004	0					0.16
51.000	0.00	0.01	0.004	0					0.16
51.083	0.00	0.01	0.004	0					0.16
51.167	0.00	0.01	0.004	0					0.16
51.250	0.00	0.01	0.004	0					0.16
51.333	0.00	0.01	0.004	0					0.16
51.417	0.00	0.01	0.004	0					0.15
51.500	0.00	0.01	0.004	0					0.15
51.583	0.00	0.01	0.004	0					0.15
51.667	0.00	0.01	0.004	0					0.15
51.750	0.00	0.01	0.004	0					0.15
51.833	0.00	0.01	0.004	0					0.15

51.917	0.00	0.01	0.004	0					0.15
52.000	0.00	0.01	0.004	0					0.15
52.083	0.00	0.01	0.004	0					0.14
52.167	0.00	0.01	0.004	0					0.14
52.250	0.00	0.01	0.004	0					0.14
52.333	0.00	0.01	0.003	0					0.14
52.417	0.00	0.01	0.003	0					0.14
52.500	0.00	0.01	0.003	0					0.14
52.583	0.00	0.01	0.003	0					0.14
52.667	0.00	0.01	0.003	0					0.13
52.750	0.00	0.01	0.003	0					0.13
52.833	0.00	0.01	0.003	0					0.13
52.917	0.00	0.01	0.003	0					0.13
53.000	0.00	0.01	0.003	0					0.13
53.083	0.00	0.01	0.003	0					0.13
53.167	0.00	0.01	0.003	0					0.13
53.250	0.00	0.01	0.003	0					0.13
53.333	0.00	0.01	0.003	0					0.12
53.417	0.00	0.01	0.003	0					0.12
53.500	0.00	0.01	0.003	0					0.12
53.583	0.00	0.01	0.003	0					0.12
53.667	0.00	0.01	0.003	0					0.12
53.750	0.00	0.01	0.003	0					0.12
53.833	0.00	0.01	0.003	0					0.12
53.917	0.00	0.01	0.003	0					0.12
54.000	0.00	0.01	0.003	0					0.12
54.083	0.00	0.01	0.003	0					0.11
54.167	0.00	0.01	0.002	0					0.11
54.250	0.00	0.01	0.002	0					0.11
54.333	0.00	0.01	0.002	0					0.11
54.417	0.00	0.01	0.002	0					0.11
54.500	0.00	0.01	0.002	0					0.11
54.583	0.00	0.01	0.002	0					0.11
54.667	0.00	0.01	0.002	0					0.11
54.750	0.00	0.01	0.002	0					0.10
54.833	0.00	0.01	0.002	0					0.10
54.917	0.00	0.01	0.002	0					0.10
55.000	0.00	0.01	0.002	0					0.10
55.083	0.00	0.01	0.002	0					0.10
55.167	0.00	0.01	0.002	0					0.10
55.250	0.00	0.01	0.002	0					0.10
55.333	0.00	0.01	0.002	0					0.09
55.417	0.00	0.01	0.002	0					0.09
55.500	0.00	0.01	0.002	0					0.09
55.583	0.00	0.01	0.002	0					0.09
55.667	0.00	0.01	0.002	0					0.09
55.750	0.00	0.01	0.002	0					0.08
55.833	0.00	0.00	0.002	0					0.08
55.917	0.00	0.00	0.002	0					0.08
56.000	0.00	0.00	0.002	0					0.08

56.083	0.00	0.00	0.002	0					0.08
56.167	0.00	0.00	0.002	0					0.08
56.250	0.00	0.00	0.001	0					0.07
56.333	0.00	0.00	0.001	0					0.07
56.417	0.00	0.00	0.001	0					0.07
56.500	0.00	0.00	0.001	0					0.07
56.583	0.00	0.00	0.001	0					0.07
56.667	0.00	0.00	0.001	0					0.07
56.750	0.00	0.00	0.001	0					0.07
56.833	0.00	0.00	0.001	0					0.06
56.917	0.00	0.00	0.001	0					0.06
57.000	0.00	0.00	0.001	0					0.06
57.083	0.00	0.00	0.001	0					0.06
57.167	0.00	0.00	0.001	0					0.06
57.250	0.00	0.00	0.001	0					0.06
57.333	0.00	0.00	0.001	0					0.06
57.417	0.00	0.00	0.001	0					0.06
57.500	0.00	0.00	0.001	0					0.05
57.583	0.00	0.00	0.001	0					0.05
57.667	0.00	0.00	0.001	0					0.05
57.750	0.00	0.00	0.001	0					0.05
57.833	0.00	0.00	0.001	0					0.05
57.917	0.00	0.00	0.001	0					0.05
58.000	0.00	0.00	0.001	0					0.05
58.083	0.00	0.00	0.001	0					0.05
58.167	0.00	0.00	0.001	0					0.05
58.250	0.00	0.00	0.001	0					0.05
58.333	0.00	0.00	0.001	0					0.04
58.417	0.00	0.00	0.001	0					0.04
58.500	0.00	0.00	0.001	0					0.04
58.583	0.00	0.00	0.001	0					0.04
58.667	0.00	0.00	0.001	0					0.04
58.750	0.00	0.00	0.001	0					0.04
58.833	0.00	0.00	0.001	0					0.04
58.917	0.00	0.00	0.001	0					0.04
59.000	0.00	0.00	0.001	0					0.04
59.083	0.00	0.00	0.001	0					0.04
59.167	0.00	0.00	0.001	0					0.04
59.250	0.00	0.00	0.001	0					0.04
59.333	0.00	0.00	0.001	0					0.03
59.417	0.00	0.00	0.001	0					0.03
59.500	0.00	0.00	0.001	0					0.03
59.583	0.00	0.00	0.001	0					0.03
59.667	0.00	0.00	0.001	0					0.03
59.750	0.00	0.00	0.001	0					0.03
59.833	0.00	0.00	0.001	0					0.03
59.917	0.00	0.00	0.001	0					0.03
60.000	0.00	0.00	0.001	0					0.03
60.083	0.00	0.00	0.001	0					0.03
60.167	0.00	0.00	0.001	0					0.03

60.250	0.00	0.00	0.001	0					0.03
60.333	0.00	0.00	0.001	0					0.03
60.417	0.00	0.00	0.001	0					0.03
60.500	0.00	0.00	0.001	0					0.03
60.583	0.00	0.00	0.001	0					0.03
60.667	0.00	0.00	0.001	0					0.03
60.750	0.00	0.00	0.000	0					0.02
60.833	0.00	0.00	0.000	0					0.02
60.917	0.00	0.00	0.000	0					0.02
61.000	0.00	0.00	0.000	0					0.02
61.083	0.00	0.00	0.000	0					0.02
61.167	0.00	0.00	0.000	0					0.02
61.250	0.00	0.00	0.000	0					0.02
61.333	0.00	0.00	0.000	0					0.02
61.417	0.00	0.00	0.000	0					0.02
61.500	0.00	0.00	0.000	0					0.02
61.583	0.00	0.00	0.000	0					0.02
61.667	0.00	0.00	0.000	0					0.02
61.750	0.00	0.00	0.000	0					0.02
61.833	0.00	0.00	0.000	0					0.02
61.917	0.00	0.00	0.000	0					0.02
62.000	0.00	0.00	0.000	0					0.02
62.083	0.00	0.00	0.000	0					0.02
62.167	0.00	0.00	0.000	0					0.02
62.250	0.00	0.00	0.000	0					0.02
62.333	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 748

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.041 (CFS)

Total volume = 0.111 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
2 yr
24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da4242.rte
*****HYDROGRAPH DATA*****
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.478 (CFS)
Total volume = 0.290 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.1	0.24	0.36	0.48	Depth (Ft.)
0.083	0.02	0.00	0.000	OI					0.00
0.167	0.03	0.00	0.000	OI					0.01
0.250	0.03	0.00	0.000	OI					0.02
0.333	0.04	0.00	0.001	O I					0.03
0.417	0.04	0.00	0.001	O I					0.04
0.500	0.04	0.00	0.001	O I					0.06
0.583	0.04	0.00	0.001	O I					0.07
0.667	0.04	0.00	0.002	O I					0.08
0.750	0.04	0.01	0.002	O I					0.10
0.833	0.05	0.01	0.002	O I					0.11
0.917	0.06	0.01	0.003	O I					0.11
1.000	0.06	0.01	0.003	O I					0.12
1.083	0.05	0.01	0.003	O I					0.13
1.167	0.04	0.01	0.003	O I					0.14
1.250	0.04	0.01	0.004	O I					0.15
1.333	0.04	0.01	0.004	O I					0.15
1.417	0.04	0.01	0.004	O I					0.16
1.500	0.04	0.01	0.004	O I					0.17
1.583	0.04	0.01	0.005	O I					0.17
1.667	0.04	0.01	0.005	O I					0.18
1.750	0.04	0.01	0.005	O I					0.18
1.833	0.05	0.01	0.005	O I					0.19

1.917	0.06	0.01	0.006	0	I					0.20
2.000	0.06	0.01	0.006	0	I					0.21
2.083	0.06	0.01	0.006	0	I					0.22
2.167	0.06	0.01	0.007	0	I					0.23
2.250	0.06	0.01	0.007	0	I					0.24
2.333	0.06	0.01	0.007	0	I					0.24
2.417	0.06	0.01	0.008	0	I					0.25
2.500	0.06	0.01	0.008	0	I					0.26
2.583	0.07	0.01	0.008	0	I					0.27
2.667	0.07	0.01	0.009	0	I					0.28
2.750	0.07	0.01	0.009	0	I					0.29
2.833	0.07	0.01	0.010	0	I					0.30
2.917	0.07	0.01	0.010	0	I					0.32
3.000	0.07	0.01	0.010	0	I					0.33
3.083	0.07	0.01	0.011	0	I					0.34
3.167	0.07	0.01	0.011	0	I					0.35
3.250	0.07	0.01	0.012	0	I					0.36
3.333	0.07	0.01	0.012	0	I					0.37
3.417	0.07	0.01	0.012	0	I					0.38
3.500	0.07	0.01	0.013	0	I					0.39
3.583	0.07	0.01	0.013	0	I					0.40
3.667	0.07	0.01	0.013	0	I					0.41
3.750	0.07	0.01	0.014	0	I					0.42
3.833	0.08	0.01	0.014	0	I					0.44
3.917	0.08	0.01	0.015	0	I					0.45
4.000	0.08	0.01	0.015	0	I					0.46
4.083	0.08	0.02	0.016	0	I					0.47
4.167	0.08	0.02	0.016	0	I					0.49
4.250	0.08	0.02	0.017	0	I					0.50
4.333	0.09	0.02	0.017	0	I					0.51
4.417	0.10	0.02	0.018	0	I					0.53
4.500	0.10	0.02	0.018	0	I					0.54
4.583	0.10	0.02	0.019	0	I					0.56
4.667	0.10	0.02	0.019	0	I					0.57
4.750	0.10	0.02	0.020	0	I					0.59
4.833	0.11	0.02	0.021	0	I					0.61
4.917	0.11	0.02	0.021	0	I					0.62
5.000	0.11	0.02	0.022	0	I					0.64
5.083	0.09	0.02	0.022	0	I					0.66
5.167	0.09	0.02	0.023	0	I					0.67
5.250	0.08	0.02	0.023	0	I					0.68
5.333	0.09	0.02	0.024	0	I					0.69
5.417	0.10	0.02	0.024	0	I					0.71
5.500	0.10	0.02	0.025	0	I					0.72
5.583	0.11	0.02	0.025	0	I					0.74
5.667	0.11	0.02	0.026	0	I					0.75
5.750	0.11	0.02	0.027	0	I					0.77
5.833	0.11	0.02	0.027	0	I					0.79
5.917	0.11	0.02	0.028	0	I					0.81
6.000	0.11	0.02	0.028	0	I					0.82

6.083	0.12	0.02	0.029	0	I				0.84
6.167	0.13	0.02	0.030	0	I				0.86
6.250	0.13	0.02	0.030	0	I				0.88
6.333	0.13	0.03	0.031	0	I				0.90
6.417	0.13	0.03	0.032	0	I				0.92
6.500	0.13	0.03	0.033	0	I				0.93
6.583	0.14	0.03	0.033	0	I				0.95
6.667	0.14	0.03	0.034	0	I				0.97
6.750	0.14	0.03	0.035	0	I				1.00
6.833	0.14	0.03	0.036	0	I				1.01
6.917	0.14	0.03	0.036	0	I				1.02
7.000	0.14	0.03	0.037	0	I				1.04
7.083	0.14	0.03	0.038	0	I				1.05
7.167	0.14	0.03	0.039	0	I				1.06
7.250	0.14	0.03	0.039	0	I				1.08
7.333	0.15	0.03	0.040	0	I				1.09
7.417	0.15	0.03	0.041	0	I				1.11
7.500	0.15	0.03	0.042	0	I				1.12
7.583	0.16	0.03	0.043	0	I				1.14
7.667	0.17	0.03	0.044	0	I				1.15
7.750	0.17	0.03	0.045	0	I				1.17
7.833	0.18	0.03	0.046	0	I				1.19
7.917	0.18	0.03	0.047	0	I				1.21
8.000	0.18	0.03	0.048	0	I				1.23
8.083	0.20	0.03	0.049	0	I				1.24
8.167	0.21	0.03	0.050	0	I				1.27
8.250	0.21	0.03	0.051	0	I				1.29
8.333	0.21	0.03	0.053	0	I				1.31
8.417	0.21	0.03	0.054	0	I				1.33
8.500	0.21	0.03	0.055	0	I				1.35
8.583	0.22	0.03	0.056	0	I				1.37
8.667	0.22	0.03	0.058	0	I				1.40
8.750	0.22	0.03	0.059	0	I				1.42
8.833	0.23	0.03	0.060	0	I				1.44
8.917	0.24	0.03	0.062	0	I				1.47
9.000	0.24	0.03	0.063	0	I				1.49
9.083	0.26	0.03	0.065	0	I				1.52
9.167	0.27	0.03	0.066	0	I				1.55
9.250	0.27	0.03	0.068	0	I				1.58
9.333	0.28	0.03	0.069	0	I				1.60
9.417	0.28	0.03	0.071	0	I				1.63
9.500	0.28	0.04	0.073	0	I				1.66
9.583	0.29	0.04	0.075	0	I				1.69
9.667	0.29	0.04	0.076	0	I				1.72
9.750	0.30	0.04	0.078	0	I				1.76
9.833	0.30	0.04	0.080	0	I				1.79
9.917	0.31	0.04	0.082	0	I				1.82
10.000	0.31	0.04	0.084	0	I				1.85
10.083	0.25	0.04	0.085	0	I				1.88
10.167	0.21	0.04	0.087	0	I				1.90

10.250	0.21	0.04	0.088	0	I			1.93
10.333	0.21	0.04	0.089	0	I			1.95
10.417	0.21	0.04	0.090	0	I			1.97
10.500	0.21	0.04	0.091	0	I			1.99
10.583	0.26	0.04	0.093	0		I		2.01
10.667	0.28	0.04	0.094	0		I		2.03
10.750	0.28	0.04	0.096	0		I		2.06
10.833	0.28	0.04	0.098	0		I		2.08
10.917	0.28	0.04	0.099	0		I		2.11
11.000	0.28	0.04	0.101	0		I		2.13
11.083	0.27	0.04	0.103	0		I		2.15
11.167	0.27	0.04	0.104	0		I		2.18
11.250	0.27	0.04	0.106	0		I		2.20
11.333	0.27	0.04	0.107	0		I		2.22
11.417	0.27	0.04	0.109	0		I		2.25
11.500	0.27	0.04	0.110	0		I		2.27
11.583	0.25	0.04	0.112	0	I			2.29
11.667	0.24	0.04	0.113	0	I			2.31
11.750	0.24	0.04	0.115	0	I			2.33
11.833	0.25	0.04	0.116	0	I			2.35
11.917	0.25	0.04	0.117	0	I			2.37
12.000	0.25	0.04	0.119	0	I			2.39
12.083	0.32	0.04	0.121	0		I		2.42
12.167	0.35	0.04	0.122	0			I	2.45
12.250	0.35	0.04	0.125	0			I	2.48
12.333	0.36	0.04	0.127	0			I	2.51
12.417	0.36	0.04	0.129	0			I	2.54
12.500	0.37	0.04	0.131	0			I	2.58
12.583	0.38	0.04	0.133	0			I	2.61
12.667	0.39	0.04	0.136	0			I	2.64
12.750	0.39	0.05	0.138	0			I	2.68
12.833	0.40	0.05	0.141	0			I	2.72
12.917	0.41	0.05	0.143	0			I	2.75
13.000	0.41	0.05	0.146	0			I	2.79
13.083	0.45	0.05	0.148	0			I	2.83
13.167	0.48	0.05	0.151	0			I	2.87
13.250	0.48	0.05	0.154	0			I	2.91
13.333	0.48	0.05	0.157	0			I	2.96
13.417	0.48	0.05	0.160	0			I	3.00
13.500	0.48	0.05	0.163	0			I	3.04
13.583	0.38	0.05	0.166	0			I	3.08
13.667	0.33	0.05	0.168	0		I		3.11
13.750	0.32	0.05	0.170	0		I		3.14
13.833	0.32	0.05	0.171	0		I		3.16
13.917	0.32	0.05	0.173	0		I		3.19
14.000	0.32	0.05	0.175	0		I		3.22
14.083	0.36	0.05	0.177	0			I	3.25
14.167	0.38	0.05	0.179	0			I	3.28
14.250	0.38	0.05	0.182	0			I	3.31
14.333	0.37	0.05	0.184	0			I	3.34

14.417	0.37	0.05	0.186	0			I	3.37
14.500	0.37	0.05	0.188	0			I	3.40
14.583	0.37	0.05	0.190	0			I	3.44
14.667	0.37	0.05	0.193	0			I	3.47
14.750	0.37	0.05	0.195	0			I	3.50
14.833	0.36	0.05	0.197	0			I	3.53
14.917	0.35	0.05	0.199	0			I	3.56
15.000	0.35	0.05	0.201	0			I	3.59
15.083	0.34	0.05	0.203	0			I	3.62
15.167	0.34	0.05	0.205	0			I	3.64
15.250	0.34	0.05	0.207	0			I	3.67
15.333	0.33	0.05	0.209	0			I	3.70
15.417	0.32	0.05	0.211	0			I	3.73
15.500	0.32	0.05	0.213	0			I	3.75
15.583	0.29	0.05	0.214	0		I		3.78
15.667	0.27	0.05	0.216	0		I		3.80
15.750	0.27	0.05	0.217	0		I		3.82
15.833	0.27	0.05	0.219	0		I		3.84
15.917	0.27	0.05	0.220	0		I		3.86
16.000	0.27	0.06	0.222	0		I		3.88
16.083	0.13	0.06	0.223	0	I			3.90
16.167	0.06	0.06	0.223	OI				3.90
16.250	0.06	0.06	0.223	0				3.90
16.333	0.06	0.06	0.223	0				3.90
16.417	0.06	0.06	0.223	0				3.90
16.500	0.06	0.06	0.223	0				3.90
16.583	0.05	0.06	0.223	0				3.90
16.667	0.04	0.06	0.223	IO				3.90
16.750	0.04	0.06	0.223	IO				3.90
16.833	0.04	0.06	0.223	IO				3.90
16.917	0.04	0.06	0.223	IO				3.90
17.000	0.04	0.06	0.223	IO				3.90
17.083	0.06	0.06	0.223	OI				3.89
17.167	0.07	0.06	0.223	OI				3.90
17.250	0.07	0.06	0.223	OI				3.90
17.333	0.07	0.06	0.223	OI				3.90
17.417	0.07	0.06	0.223	OI				3.90
17.500	0.07	0.06	0.223	OI				3.90
17.583	0.07	0.06	0.223	OI				3.90
17.667	0.07	0.06	0.223	OI				3.90
17.750	0.07	0.06	0.223	OI				3.91
17.833	0.06	0.06	0.224	OI				3.91
17.917	0.06	0.06	0.224	0				3.91
18.000	0.06	0.06	0.224	0				3.91
18.083	0.06	0.06	0.224	0				3.91
18.167	0.06	0.06	0.224	0				3.91
18.250	0.06	0.06	0.224	0				3.91
18.333	0.06	0.06	0.224	0				3.91
18.417	0.06	0.06	0.224	0				3.91
18.500	0.06	0.06	0.224	0				3.91

18.583	0.05	0.06	0.224	0					3.91
18.667	0.04	0.06	0.223	IO					3.91
18.750	0.04	0.06	0.223	IO					3.91
18.833	0.03	0.06	0.223	IO					3.90
18.917	0.03	0.06	0.223	I 0					3.90
19.000	0.03	0.06	0.223	I 0					3.90
19.083	0.04	0.06	0.223	IO					3.90
19.167	0.04	0.06	0.223	IO					3.90
19.250	0.04	0.06	0.223	IO					3.89
19.333	0.05	0.06	0.223	0					3.89
19.417	0.06	0.06	0.222	0					3.89
19.500	0.06	0.06	0.222	0					3.89
19.583	0.05	0.06	0.222	0					3.89
19.667	0.04	0.06	0.222	IO					3.89
19.750	0.04	0.06	0.222	IO					3.89
19.833	0.03	0.06	0.222	IO					3.89
19.917	0.03	0.06	0.222	I 0					3.89
20.000	0.03	0.06	0.222	I 0					3.88
20.083	0.04	0.06	0.222	IO					3.88
20.167	0.04	0.06	0.222	IO					3.88
20.250	0.04	0.06	0.221	IO					3.88
20.333	0.04	0.06	0.221	IO					3.88
20.417	0.04	0.06	0.221	IO					3.88
20.500	0.04	0.05	0.221	IO					3.87
20.583	0.04	0.05	0.221	IO					3.87
20.667	0.04	0.05	0.221	IO					3.87
20.750	0.04	0.05	0.221	IO					3.87
20.833	0.03	0.05	0.221	IO					3.87
20.917	0.03	0.05	0.221	I 0					3.87
21.000	0.03	0.05	0.220	I 0					3.86
21.083	0.04	0.05	0.220	IO					3.86
21.167	0.04	0.05	0.220	IO					3.86
21.250	0.04	0.05	0.220	IO					3.86
21.333	0.03	0.05	0.220	IO					3.86
21.417	0.03	0.05	0.220	I 0					3.86
21.500	0.03	0.05	0.220	I 0					3.85
21.583	0.04	0.05	0.220	IO					3.85
21.667	0.04	0.05	0.219	IO					3.85
21.750	0.04	0.05	0.219	IO					3.85
21.833	0.03	0.05	0.219	IO					3.85
21.917	0.03	0.05	0.219	I 0					3.84
22.000	0.03	0.05	0.219	I 0					3.84
22.083	0.04	0.05	0.219	IO					3.84
22.167	0.04	0.05	0.219	IO					3.84
22.250	0.04	0.05	0.219	IO					3.84
22.333	0.03	0.05	0.218	IO					3.83
22.417	0.03	0.05	0.218	I 0					3.83
22.500	0.03	0.05	0.218	I 0					3.83
22.583	0.03	0.05	0.218	I 0					3.83
22.667	0.03	0.05	0.218	I 0					3.82

22.750	0.03	0.05	0.218	I 0					3.82
22.833	0.03	0.05	0.217	I 0					3.82
22.917	0.03	0.05	0.217	I 0					3.82
23.000	0.03	0.05	0.217	I 0					3.81
23.083	0.03	0.05	0.217	I 0					3.81
23.167	0.03	0.05	0.217	I 0					3.81
23.250	0.03	0.05	0.216	I 0					3.81
23.333	0.03	0.05	0.216	I 0					3.80
23.417	0.03	0.05	0.216	I 0					3.80
23.500	0.03	0.05	0.216	I 0					3.80
23.583	0.03	0.05	0.216	I 0					3.80
23.667	0.03	0.05	0.216	I 0					3.79
23.750	0.03	0.05	0.215	I 0					3.79
23.833	0.03	0.05	0.215	I 0					3.79
23.917	0.03	0.05	0.215	I 0					3.79
24.000	0.03	0.05	0.215	I 0					3.78
24.083	0.01	0.05	0.215	I 0					3.78
24.167	0.00	0.05	0.214	I 0					3.77
24.250	0.00	0.05	0.214	I 0					3.77
24.333	0.00	0.05	0.213	I 0					3.76
24.417	0.00	0.05	0.213	I 0					3.76
24.500	0.00	0.05	0.213	I 0					3.75
24.583	0.00	0.05	0.212	I 0					3.75
24.667	0.00	0.05	0.212	I 0					3.74
24.750	0.00	0.05	0.212	I 0					3.74
24.833	0.00	0.05	0.211	I 0					3.73
24.917	0.00	0.05	0.211	I 0					3.73
25.000	0.00	0.05	0.211	I 0					3.72
25.083	0.00	0.05	0.210	I 0					3.72
25.167	0.00	0.05	0.210	I 0					3.71
25.250	0.00	0.05	0.209	I 0					3.71
25.333	0.00	0.05	0.209	I 0					3.70
25.417	0.00	0.05	0.209	I 0					3.70
25.500	0.00	0.05	0.208	I 0					3.69
25.583	0.00	0.05	0.208	I 0					3.68
25.667	0.00	0.05	0.208	I 0					3.68
25.750	0.00	0.05	0.207	I 0					3.67
25.833	0.00	0.05	0.207	I 0					3.67
25.917	0.00	0.05	0.206	I 0					3.66
26.000	0.00	0.05	0.206	I 0					3.66
26.083	0.00	0.05	0.206	I 0					3.65
26.167	0.00	0.05	0.205	I 0					3.65
26.250	0.00	0.05	0.205	I 0					3.64
26.333	0.00	0.05	0.205	I 0					3.64
26.417	0.00	0.05	0.204	I 0					3.63
26.500	0.00	0.05	0.204	I 0					3.63
26.583	0.00	0.05	0.204	I 0					3.62
26.667	0.00	0.05	0.203	I 0					3.62
26.750	0.00	0.05	0.203	I 0					3.61
26.833	0.00	0.05	0.202	I 0					3.61

26.917	0.00	0.05	0.202	I	0					3.60
27.000	0.00	0.05	0.202	I	0					3.60
27.083	0.00	0.05	0.201	I	0					3.59
27.167	0.00	0.05	0.201	I	0					3.59
27.250	0.00	0.05	0.201	I	0					3.58
27.333	0.00	0.05	0.200	I	0					3.57
27.417	0.00	0.05	0.200	I	0					3.57
27.500	0.00	0.05	0.200	I	0					3.56
27.583	0.00	0.05	0.199	I	0					3.56
27.667	0.00	0.05	0.199	I	0					3.55
27.750	0.00	0.05	0.198	I	0					3.55
27.833	0.00	0.05	0.198	I	0					3.54
27.917	0.00	0.05	0.198	I	0					3.54
28.000	0.00	0.05	0.197	I	0					3.53
28.083	0.00	0.05	0.197	I	0					3.53
28.167	0.00	0.05	0.197	I	0					3.52
28.250	0.00	0.05	0.196	I	0					3.52
28.333	0.00	0.05	0.196	I	0					3.51
28.417	0.00	0.05	0.196	I	0					3.51
28.500	0.00	0.05	0.195	I	0					3.50
28.583	0.00	0.05	0.195	I	0					3.50
28.667	0.00	0.05	0.194	I	0					3.49
28.750	0.00	0.05	0.194	I	0					3.49
28.833	0.00	0.05	0.194	I	0					3.48
28.917	0.00	0.05	0.193	I	0					3.48
29.000	0.00	0.05	0.193	I	0					3.47
29.083	0.00	0.05	0.193	I	0					3.47
29.167	0.00	0.05	0.192	I	0					3.46
29.250	0.00	0.05	0.192	I	0					3.46
29.333	0.00	0.05	0.192	I	0					3.45
29.417	0.00	0.05	0.191	I	0					3.45
29.500	0.00	0.05	0.191	I	0					3.44
29.583	0.00	0.05	0.191	I	0					3.44
29.667	0.00	0.05	0.190	I	0					3.43
29.750	0.00	0.05	0.190	I	0					3.43
29.833	0.00	0.05	0.190	I	0					3.42
29.917	0.00	0.05	0.189	I	0					3.42
30.000	0.00	0.05	0.189	I	0					3.41
30.083	0.00	0.05	0.188	I	0					3.41
30.167	0.00	0.05	0.188	I	0					3.40
30.250	0.00	0.05	0.188	I	0					3.40
30.333	0.00	0.05	0.187	I	0					3.39
30.417	0.00	0.05	0.187	I	0					3.39
30.500	0.00	0.05	0.187	I	0					3.38
30.583	0.00	0.05	0.186	I	0					3.38
30.667	0.00	0.05	0.186	I	0					3.37
30.750	0.00	0.05	0.186	I	0					3.37
30.833	0.00	0.05	0.185	I	0					3.36
30.917	0.00	0.05	0.185	I	0					3.36
31.000	0.00	0.05	0.185	I	0					3.35

31.083	0.00	0.05	0.184	I	0					3.35
31.167	0.00	0.05	0.184	I	0					3.34
31.250	0.00	0.05	0.184	I	0					3.34
31.333	0.00	0.05	0.183	I	0					3.33
31.417	0.00	0.05	0.183	I	0					3.33
31.500	0.00	0.05	0.182	I	0					3.32
31.583	0.00	0.05	0.182	I	0					3.32
31.667	0.00	0.05	0.182	I	0					3.31
31.750	0.00	0.05	0.181	I	0					3.31
31.833	0.00	0.05	0.181	I	0					3.30
31.917	0.00	0.05	0.181	I	0					3.30
32.000	0.00	0.05	0.180	I	0					3.29
32.083	0.00	0.05	0.180	I	0					3.29
32.167	0.00	0.05	0.180	I	0					3.28
32.250	0.00	0.05	0.179	I	0					3.28
32.333	0.00	0.05	0.179	I	0					3.27
32.417	0.00	0.05	0.179	I	0					3.27
32.500	0.00	0.05	0.178	I	0					3.26
32.583	0.00	0.05	0.178	I	0					3.26
32.667	0.00	0.05	0.178	I	0					3.25
32.750	0.00	0.05	0.177	I	0					3.25
32.833	0.00	0.05	0.177	I	0					3.24
32.917	0.00	0.05	0.177	I	0					3.24
33.000	0.00	0.05	0.176	I	0					3.23
33.083	0.00	0.05	0.176	I	0					3.23
33.167	0.00	0.05	0.176	I	0					3.22
33.250	0.00	0.05	0.175	I	0					3.22
33.333	0.00	0.05	0.175	I	0					3.21
33.417	0.00	0.05	0.175	I	0					3.21
33.500	0.00	0.05	0.174	I	0					3.20
33.583	0.00	0.05	0.174	I	0					3.20
33.667	0.00	0.05	0.174	I	0					3.19
33.750	0.00	0.05	0.173	I	0					3.19
33.833	0.00	0.05	0.173	I	0					3.18
33.917	0.00	0.05	0.172	I	0					3.18
34.000	0.00	0.05	0.172	I	0					3.17
34.083	0.00	0.05	0.172	I	0					3.17
34.167	0.00	0.05	0.171	I	0					3.16
34.250	0.00	0.05	0.171	I	0					3.16
34.333	0.00	0.05	0.171	I	0					3.15
34.417	0.00	0.05	0.170	I	0					3.15
34.500	0.00	0.05	0.170	I	0					3.14
34.583	0.00	0.05	0.170	I	0					3.14
34.667	0.00	0.05	0.169	I	0					3.13
34.750	0.00	0.05	0.169	I	0					3.13
34.833	0.00	0.05	0.169	I	0					3.13
34.917	0.00	0.05	0.168	I	0					3.12
35.000	0.00	0.05	0.168	I	0					3.12
35.083	0.00	0.05	0.168	I	0					3.11
35.167	0.00	0.05	0.167	I	0					3.11

35.250	0.00	0.05	0.167	I	0					3.10
35.333	0.00	0.05	0.167	I	0					3.10
35.417	0.00	0.05	0.166	I	0					3.09
35.500	0.00	0.05	0.166	I	0					3.09
35.583	0.00	0.05	0.166	I	0					3.08
35.667	0.00	0.05	0.165	I	0					3.08
35.750	0.00	0.05	0.165	I	0					3.07
35.833	0.00	0.05	0.165	I	0					3.07
35.917	0.00	0.05	0.164	I	0					3.06
36.000	0.00	0.05	0.164	I	0					3.06
36.083	0.00	0.05	0.164	I	0					3.05
36.167	0.00	0.05	0.163	I	0					3.05
36.250	0.00	0.05	0.163	I	0					3.04
36.333	0.00	0.05	0.163	I	0					3.04
36.417	0.00	0.05	0.162	I	0					3.03
36.500	0.00	0.05	0.162	I	0					3.03
36.583	0.00	0.05	0.162	I	0					3.02
36.667	0.00	0.05	0.161	I	0					3.02
36.750	0.00	0.05	0.161	I	0					3.02
36.833	0.00	0.05	0.161	I	0					3.01
36.917	0.00	0.05	0.160	I	0					3.01
37.000	0.00	0.05	0.160	I	0					3.00
37.083	0.00	0.05	0.160	I	0					3.00
37.167	0.00	0.05	0.159	I	0					2.99
37.250	0.00	0.05	0.159	I	0					2.99
37.333	0.00	0.05	0.159	I	0					2.98
37.417	0.00	0.05	0.158	I	0					2.98
37.500	0.00	0.05	0.158	I	0					2.97
37.583	0.00	0.05	0.158	I	0					2.97
37.667	0.00	0.05	0.157	I	0					2.96
37.750	0.00	0.05	0.157	I	0					2.96
37.833	0.00	0.05	0.157	I	0					2.95
37.917	0.00	0.05	0.156	I	0					2.95
38.000	0.00	0.05	0.156	I	0					2.94
38.083	0.00	0.05	0.156	I	0					2.94
38.167	0.00	0.05	0.155	I	0					2.93
38.250	0.00	0.05	0.155	I	0					2.93
38.333	0.00	0.05	0.155	I	0					2.92
38.417	0.00	0.05	0.155	I	0					2.92
38.500	0.00	0.05	0.154	I	0					2.91
38.583	0.00	0.05	0.154	I	0					2.91
38.667	0.00	0.05	0.154	I	0					2.90
38.750	0.00	0.05	0.153	I	0					2.90
38.833	0.00	0.05	0.153	I	0					2.90
38.917	0.00	0.05	0.153	I	0					2.89
39.000	0.00	0.05	0.152	I	0					2.89
39.083	0.00	0.05	0.152	I	0					2.88
39.167	0.00	0.05	0.152	I	0					2.88
39.250	0.00	0.05	0.151	I	0					2.87
39.333	0.00	0.05	0.151	I	0					2.87

39.417	0.00	0.05	0.151	I	0					2.86
39.500	0.00	0.05	0.150	I	0					2.86
39.583	0.00	0.05	0.150	I	0					2.85
39.667	0.00	0.05	0.150	I	0					2.85
39.750	0.00	0.05	0.149	I	0					2.84
39.833	0.00	0.05	0.149	I	0					2.84
39.917	0.00	0.05	0.149	I	0					2.83
40.000	0.00	0.05	0.148	I	0					2.83
40.083	0.00	0.05	0.148	I	0					2.82
40.167	0.00	0.05	0.148	I	0					2.82
40.250	0.00	0.05	0.147	I	0					2.81
40.333	0.00	0.05	0.147	I	0					2.81
40.417	0.00	0.05	0.147	I	0					2.81
40.500	0.00	0.05	0.146	I	0					2.80
40.583	0.00	0.05	0.146	I	0					2.80
40.667	0.00	0.05	0.146	I	0					2.79
40.750	0.00	0.05	0.146	I	0					2.79
40.833	0.00	0.05	0.145	I	0					2.78
40.917	0.00	0.05	0.145	I	0					2.78
41.000	0.00	0.05	0.145	I	0					2.77
41.083	0.00	0.05	0.144	I	0					2.77
41.167	0.00	0.05	0.144	I	0					2.76
41.250	0.00	0.05	0.144	I	0					2.76
41.333	0.00	0.05	0.143	I	0					2.75
41.417	0.00	0.05	0.143	I	0					2.75
41.500	0.00	0.05	0.143	I	0					2.75
41.583	0.00	0.05	0.142	I	0					2.74
41.667	0.00	0.05	0.142	I	0					2.74
41.750	0.00	0.05	0.142	I	0					2.73
41.833	0.00	0.05	0.141	I	0					2.73
41.917	0.00	0.05	0.141	I	0					2.72
42.000	0.00	0.05	0.141	I	0					2.72
42.083	0.00	0.05	0.140	I	0					2.71
42.167	0.00	0.05	0.140	I	0					2.71
42.250	0.00	0.05	0.140	I	0					2.70
42.333	0.00	0.05	0.140	I	0					2.70
42.417	0.00	0.05	0.139	I	0					2.69
42.500	0.00	0.05	0.139	I	0					2.69
42.583	0.00	0.05	0.139	I	0					2.69
42.667	0.00	0.05	0.138	I	0					2.68
42.750	0.00	0.05	0.138	I	0					2.68
42.833	0.00	0.05	0.138	I	0					2.67
42.917	0.00	0.05	0.137	I	0					2.67
43.000	0.00	0.04	0.137	I	0					2.66
43.083	0.00	0.04	0.137	I	0					2.66
43.167	0.00	0.04	0.136	I	0					2.65
43.250	0.00	0.04	0.136	I	0					2.65
43.333	0.00	0.04	0.136	I	0					2.64
43.417	0.00	0.04	0.135	I	0					2.64
43.500	0.00	0.04	0.135	I	0					2.64

43.583	0.00	0.04	0.135	I 0					2.63
43.667	0.00	0.04	0.135	I 0					2.63
43.750	0.00	0.04	0.134	I 0					2.62
43.833	0.00	0.04	0.134	I 0					2.62
43.917	0.00	0.04	0.134	I 0					2.61
44.000	0.00	0.04	0.133	I 0					2.61
44.083	0.00	0.04	0.133	I 0					2.60
44.167	0.00	0.04	0.133	I 0					2.60
44.250	0.00	0.04	0.132	I 0					2.59
44.333	0.00	0.04	0.132	I 0					2.59
44.417	0.00	0.04	0.132	I 0					2.59
44.500	0.00	0.04	0.132	I 0					2.58
44.583	0.00	0.04	0.131	I 0					2.58
44.667	0.00	0.04	0.131	I 0					2.57
44.750	0.00	0.04	0.131	I 0					2.57
44.833	0.00	0.04	0.130	I 0					2.56
44.917	0.00	0.04	0.130	I 0					2.56
45.000	0.00	0.04	0.130	I 0					2.55
45.083	0.00	0.04	0.129	I 0					2.55
45.167	0.00	0.04	0.129	I 0					2.55
45.250	0.00	0.04	0.129	I 0					2.54
45.333	0.00	0.04	0.128	I 0					2.54
45.417	0.00	0.04	0.128	I 0					2.53
45.500	0.00	0.04	0.128	I 0					2.53
45.583	0.00	0.04	0.128	I 0					2.52
45.667	0.00	0.04	0.127	I 0					2.52
45.750	0.00	0.04	0.127	I 0					2.51
45.833	0.00	0.04	0.127	I 0					2.51
45.917	0.00	0.04	0.126	I 0					2.51
46.000	0.00	0.04	0.126	I 0					2.50
46.083	0.00	0.04	0.126	I 0					2.50
46.167	0.00	0.04	0.125	I 0					2.49
46.250	0.00	0.04	0.125	I 0					2.49
46.333	0.00	0.04	0.125	I 0					2.48
46.417	0.00	0.04	0.125	I 0					2.48
46.500	0.00	0.04	0.124	I 0					2.47
46.583	0.00	0.04	0.124	I 0					2.47
46.667	0.00	0.04	0.124	I 0					2.47
46.750	0.00	0.04	0.123	I 0					2.46
46.833	0.00	0.04	0.123	I 0					2.46
46.917	0.00	0.04	0.123	I 0					2.45
47.000	0.00	0.04	0.122	I 0					2.45
47.083	0.00	0.04	0.122	I 0					2.44
47.167	0.00	0.04	0.122	I 0					2.44
47.250	0.00	0.04	0.122	I 0					2.44
47.333	0.00	0.04	0.121	I 0					2.43
47.417	0.00	0.04	0.121	I 0					2.43
47.500	0.00	0.04	0.121	I 0					2.42
47.583	0.00	0.04	0.120	I 0					2.42
47.667	0.00	0.04	0.120	I 0					2.41

47.750	0.00	0.04	0.120	I 0					2.41
47.833	0.00	0.04	0.120	I 0					2.41
47.917	0.00	0.04	0.119	I 0					2.40
48.000	0.00	0.04	0.119	I 0					2.40
48.083	0.00	0.04	0.119	I 0					2.39
48.167	0.00	0.04	0.118	I 0					2.39
48.250	0.00	0.04	0.118	I 0					2.38
48.333	0.00	0.04	0.118	I 0					2.38
48.417	0.00	0.04	0.117	I 0					2.37
48.500	0.00	0.04	0.117	I 0					2.37
48.583	0.00	0.04	0.117	I 0					2.37
48.667	0.00	0.04	0.117	I 0					2.36
48.750	0.00	0.04	0.116	I 0					2.36
48.833	0.00	0.04	0.116	I 0					2.35
48.917	0.00	0.04	0.116	I 0					2.35
49.000	0.00	0.04	0.115	I 0					2.35
49.083	0.00	0.04	0.115	I 0					2.34
49.167	0.00	0.04	0.115	I 0					2.34
49.250	0.00	0.04	0.115	I 0					2.33
49.333	0.00	0.04	0.114	I 0					2.33
49.417	0.00	0.04	0.114	I 0					2.32
49.500	0.00	0.04	0.114	I 0					2.32
49.583	0.00	0.04	0.113	I 0					2.32
49.667	0.00	0.04	0.113	I 0					2.31
49.750	0.00	0.04	0.113	I 0					2.31
49.833	0.00	0.04	0.113	I 0					2.30
49.917	0.00	0.04	0.112	I 0					2.30
50.000	0.00	0.04	0.112	I 0					2.29
50.083	0.00	0.04	0.112	I 0					2.29
50.167	0.00	0.04	0.111	I 0					2.29
50.250	0.00	0.04	0.111	I 0					2.28
50.333	0.00	0.04	0.111	I 0					2.28
50.417	0.00	0.04	0.111	I 0					2.27
50.500	0.00	0.04	0.110	I 0					2.27
50.583	0.00	0.04	0.110	I 0					2.26
50.667	0.00	0.04	0.110	I 0					2.26
50.750	0.00	0.04	0.109	I 0					2.26
50.833	0.00	0.04	0.109	I 0					2.25
50.917	0.00	0.04	0.109	I 0					2.25
51.000	0.00	0.04	0.109	I 0					2.24
51.083	0.00	0.04	0.108	I 0					2.24
51.167	0.00	0.04	0.108	I 0					2.24
51.250	0.00	0.04	0.108	I 0					2.23
51.333	0.00	0.04	0.107	I 0					2.23
51.417	0.00	0.04	0.107	I 0					2.22
51.500	0.00	0.04	0.107	I 0					2.22
51.583	0.00	0.04	0.107	I 0					2.21
51.667	0.00	0.04	0.106	I 0					2.21
51.750	0.00	0.04	0.106	I 0					2.21
51.833	0.00	0.04	0.106	I 0					2.20

51.917	0.00	0.04	0.105	I 0					2.20
52.000	0.00	0.04	0.105	I 0					2.19
52.083	0.00	0.04	0.105	I 0					2.19
52.167	0.00	0.04	0.105	I 0					2.19
52.250	0.00	0.04	0.104	I 0					2.18
52.333	0.00	0.04	0.104	I 0					2.18
52.417	0.00	0.04	0.104	I 0					2.17
52.500	0.00	0.04	0.104	I 0					2.17
52.583	0.00	0.04	0.103	I 0					2.17
52.667	0.00	0.04	0.103	I 0					2.16
52.750	0.00	0.04	0.103	I 0					2.16
52.833	0.00	0.04	0.102	I 0					2.15
52.917	0.00	0.04	0.102	I 0					2.15
53.000	0.00	0.04	0.102	I 0					2.14
53.083	0.00	0.04	0.102	I 0					2.14
53.167	0.00	0.04	0.101	I 0					2.14
53.250	0.00	0.04	0.101	I 0					2.13
53.333	0.00	0.04	0.101	I 0					2.13
53.417	0.00	0.04	0.100	I 0					2.12
53.500	0.00	0.04	0.100	I 0					2.12
53.583	0.00	0.04	0.100	I 0					2.12
53.667	0.00	0.04	0.100	I 0					2.11
53.750	0.00	0.04	0.099	I 0					2.11
53.833	0.00	0.04	0.099	I 0					2.10
53.917	0.00	0.04	0.099	I 0					2.10
54.000	0.00	0.04	0.099	I 0					2.10
54.083	0.00	0.04	0.098	I 0					2.09
54.167	0.00	0.04	0.098	I 0					2.09
54.250	0.00	0.04	0.098	I 0					2.08
54.333	0.00	0.04	0.097	I 0					2.08
54.417	0.00	0.04	0.097	I 0					2.08
54.500	0.00	0.04	0.097	I 0					2.07
54.583	0.00	0.04	0.097	I 0					2.07
54.667	0.00	0.04	0.096	I 0					2.06
54.750	0.00	0.04	0.096	I 0					2.06
54.833	0.00	0.04	0.096	I 0					2.06
54.917	0.00	0.04	0.096	I 0					2.05
55.000	0.00	0.04	0.095	I 0					2.05
55.083	0.00	0.04	0.095	I 0					2.04
55.167	0.00	0.04	0.095	I 0					2.04
55.250	0.00	0.04	0.094	I 0					2.04
55.333	0.00	0.04	0.094	I 0					2.03
55.417	0.00	0.04	0.094	I 0					2.03
55.500	0.00	0.04	0.094	I 0					2.02
55.583	0.00	0.04	0.093	I 0					2.02
55.667	0.00	0.04	0.093	I 0					2.02
55.750	0.00	0.04	0.093	I 0					2.01
55.833	0.00	0.04	0.093	I 0					2.01
55.917	0.00	0.04	0.092	I 0					2.00
56.000	0.00	0.04	0.092	I 0					2.00

56.083	0.00	0.04	0.092	I 0					2.00
56.167	0.00	0.04	0.091	I 0					1.99
56.250	0.00	0.04	0.091	I 0					1.99
56.333	0.00	0.04	0.091	I 0					1.98
56.417	0.00	0.04	0.091	I 0					1.98
56.500	0.00	0.04	0.090	I 0					1.97
56.583	0.00	0.04	0.090	I 0					1.97
56.667	0.00	0.04	0.090	I 0					1.96
56.750	0.00	0.04	0.090	I 0					1.96
56.833	0.00	0.04	0.089	I 0					1.95
56.917	0.00	0.04	0.089	I 0					1.95
57.000	0.00	0.04	0.089	I 0					1.94
57.083	0.00	0.04	0.089	I 0					1.94
57.167	0.00	0.04	0.088	I 0					1.93
57.250	0.00	0.04	0.088	I 0					1.93
57.333	0.00	0.04	0.088	I 0					1.93
57.417	0.00	0.04	0.087	I 0					1.92
57.500	0.00	0.04	0.087	I 0					1.92
57.583	0.00	0.04	0.087	I 0					1.91
57.667	0.00	0.04	0.087	I 0					1.91
57.750	0.00	0.04	0.086	I 0					1.90
57.833	0.00	0.04	0.086	I 0					1.90
57.917	0.00	0.04	0.086	I 0					1.89
58.000	0.00	0.04	0.086	I 0					1.89
58.083	0.00	0.04	0.085	I 0					1.88
58.167	0.00	0.04	0.085	I 0					1.88
58.250	0.00	0.04	0.085	I 0					1.88
58.333	0.00	0.04	0.085	I 0					1.87
58.417	0.00	0.04	0.084	I 0					1.87
58.500	0.00	0.04	0.084	I 0					1.86
58.583	0.00	0.04	0.084	I 0					1.86
58.667	0.00	0.04	0.084	I 0					1.85
58.750	0.00	0.04	0.083	I 0					1.85
58.833	0.00	0.04	0.083	I 0					1.84
58.917	0.00	0.04	0.083	I 0					1.84
59.000	0.00	0.04	0.083	I 0					1.83
59.083	0.00	0.04	0.082	I 0					1.83
59.167	0.00	0.04	0.082	I 0					1.83
59.250	0.00	0.04	0.082	I 0					1.82
59.333	0.00	0.04	0.082	I 0					1.82
59.417	0.00	0.04	0.081	I 0					1.81
59.500	0.00	0.04	0.081	I 0					1.81
59.583	0.00	0.04	0.081	I 0					1.80
59.667	0.00	0.04	0.081	I 0					1.80
59.750	0.00	0.04	0.080	I 0					1.79
59.833	0.00	0.04	0.080	I 0					1.79
59.917	0.00	0.04	0.080	I 0					1.79
60.000	0.00	0.04	0.080	I 0					1.78
60.083	0.00	0.04	0.079	I 0					1.78
60.167	0.00	0.04	0.079	I 0					1.77

60.250	0.00	0.04	0.079	I 0					1.77
60.333	0.00	0.04	0.079	I 0					1.76
60.417	0.00	0.04	0.078	I 0					1.76
60.500	0.00	0.04	0.078	I 0					1.75
60.583	0.00	0.04	0.078	I 0					1.75
60.667	0.00	0.04	0.078	I 0					1.75
60.750	0.00	0.04	0.077	I 0					1.74
60.833	0.00	0.04	0.077	I 0					1.74
60.917	0.00	0.04	0.077	I 0					1.73
61.000	0.00	0.04	0.077	I 0					1.73
61.083	0.00	0.04	0.076	I 0					1.72
61.167	0.00	0.04	0.076	I 0					1.72
61.250	0.00	0.04	0.076	I 0					1.72
61.333	0.00	0.04	0.076	I 0					1.71
61.417	0.00	0.04	0.075	I 0					1.71
61.500	0.00	0.04	0.075	I 0					1.70
61.583	0.00	0.04	0.075	I 0					1.70
61.667	0.00	0.04	0.075	I 0					1.69
61.750	0.00	0.04	0.074	I 0					1.69
61.833	0.00	0.04	0.074	I 0					1.69
61.917	0.00	0.04	0.074	I 0					1.68
62.000	0.00	0.04	0.074	I 0					1.68
62.083	0.00	0.04	0.073	I 0					1.67
62.167	0.00	0.04	0.073	I 0					1.67
62.250	0.00	0.04	0.073	I 0					1.66
62.333	0.00	0.04	0.073	I 0					1.66
62.417	0.00	0.04	0.072	I 0					1.66
62.500	0.00	0.04	0.072	I 0					1.65
62.583	0.00	0.04	0.072	I 0					1.65
62.667	0.00	0.04	0.072	I 0					1.64
62.750	0.00	0.04	0.071	I 0					1.64
62.833	0.00	0.03	0.071	I 0					1.63
62.917	0.00	0.03	0.071	I 0					1.63
63.000	0.00	0.03	0.071	I 0					1.63
63.083	0.00	0.03	0.070	I 0					1.62
63.167	0.00	0.03	0.070	I 0					1.62
63.250	0.00	0.03	0.070	I 0					1.61
63.333	0.00	0.03	0.070	I 0					1.61
63.417	0.00	0.03	0.069	I 0					1.60
63.500	0.00	0.03	0.069	I 0					1.60
63.583	0.00	0.03	0.069	I 0					1.60
63.667	0.00	0.03	0.069	I 0					1.59
63.750	0.00	0.03	0.069	I 0					1.59
63.833	0.00	0.03	0.068	I 0					1.58
63.917	0.00	0.03	0.068	I 0					1.58
64.000	0.00	0.03	0.068	I 0					1.58
64.083	0.00	0.03	0.068	I 0					1.57
64.167	0.00	0.03	0.067	I 0					1.57
64.250	0.00	0.03	0.067	I 0					1.56
64.333	0.00	0.03	0.067	I 0					1.56

64.417	0.00	0.03	0.067	I 0					1.55
64.500	0.00	0.03	0.066	I 0					1.55
64.583	0.00	0.03	0.066	I 0					1.55
64.667	0.00	0.03	0.066	I 0					1.54
64.750	0.00	0.03	0.066	I 0					1.54
64.833	0.00	0.03	0.065	I 0					1.53
64.917	0.00	0.03	0.065	I 0					1.53
65.000	0.00	0.03	0.065	I 0					1.53
65.083	0.00	0.03	0.065	I 0					1.52
65.167	0.00	0.03	0.065	I 0					1.52
65.250	0.00	0.03	0.064	I 0					1.51
65.333	0.00	0.03	0.064	I 0					1.51
65.417	0.00	0.03	0.064	I 0					1.51
65.500	0.00	0.03	0.064	I 0					1.50
65.583	0.00	0.03	0.063	I 0					1.50
65.667	0.00	0.03	0.063	I 0					1.49
65.750	0.00	0.03	0.063	I 0					1.49
65.833	0.00	0.03	0.063	I 0					1.49
65.917	0.00	0.03	0.062	I 0					1.48
66.000	0.00	0.03	0.062	I 0					1.48
66.083	0.00	0.03	0.062	I 0					1.47
66.167	0.00	0.03	0.062	I 0					1.47
66.250	0.00	0.03	0.062	I 0					1.47
66.333	0.00	0.03	0.061	I 0					1.46
66.417	0.00	0.03	0.061	I 0					1.46
66.500	0.00	0.03	0.061	I 0					1.45
66.583	0.00	0.03	0.061	I 0					1.45
66.667	0.00	0.03	0.060	I 0					1.45
66.750	0.00	0.03	0.060	I 0					1.44
66.833	0.00	0.03	0.060	I 0					1.44
66.917	0.00	0.03	0.060	I 0					1.43
67.000	0.00	0.03	0.059	I 0					1.43
67.083	0.00	0.03	0.059	I 0					1.43
67.167	0.00	0.03	0.059	I 0					1.42
67.250	0.00	0.03	0.059	I 0					1.42
67.333	0.00	0.03	0.059	I 0					1.41
67.417	0.00	0.03	0.058	I 0					1.41
67.500	0.00	0.03	0.058	I 0					1.41
67.583	0.00	0.03	0.058	I 0					1.40
67.667	0.00	0.03	0.058	I 0					1.40
67.750	0.00	0.03	0.057	I 0					1.39
67.833	0.00	0.03	0.057	I 0					1.39
67.917	0.00	0.03	0.057	I 0					1.39
68.000	0.00	0.03	0.057	I 0					1.38
68.083	0.00	0.03	0.057	I 0					1.38
68.167	0.00	0.03	0.056	I 0					1.37
68.250	0.00	0.03	0.056	I 0					1.37
68.333	0.00	0.03	0.056	I 0					1.37
68.417	0.00	0.03	0.056	I 0					1.36
68.500	0.00	0.03	0.055	I 0					1.36

68.583	0.00	0.03	0.055	I 0					1.36
68.667	0.00	0.03	0.055	I 0					1.35
68.750	0.00	0.03	0.055	I 0					1.35
68.833	0.00	0.03	0.055	I 0					1.34
68.917	0.00	0.03	0.054	I 0					1.34
69.000	0.00	0.03	0.054	I 0					1.34
69.083	0.00	0.03	0.054	I 0					1.33
69.167	0.00	0.03	0.054	I 0					1.33
69.250	0.00	0.03	0.054	I 0					1.32
69.333	0.00	0.03	0.053	I 0					1.32
69.417	0.00	0.03	0.053	I 0					1.32
69.500	0.00	0.03	0.053	I 0					1.31
69.583	0.00	0.03	0.053	I 0					1.31
69.667	0.00	0.03	0.052	I 0					1.31
69.750	0.00	0.03	0.052	I 0					1.30
69.833	0.00	0.03	0.052	I 0					1.30
69.917	0.00	0.03	0.052	I 0					1.29
70.000	0.00	0.03	0.052	I 0					1.29
70.083	0.00	0.03	0.051	I 0					1.29
70.167	0.00	0.03	0.051	I 0					1.28
70.250	0.00	0.03	0.051	I 0					1.28
70.333	0.00	0.03	0.051	I 0					1.28
70.417	0.00	0.03	0.050	I 0					1.27
70.500	0.00	0.03	0.050	I 0					1.27
70.583	0.00	0.03	0.050	I 0					1.26
70.667	0.00	0.03	0.050	I 0					1.26
70.750	0.00	0.03	0.050	I 0					1.26
70.833	0.00	0.03	0.049	I 0					1.25
70.917	0.00	0.03	0.049	I 0					1.25
71.000	0.00	0.03	0.049	I 0					1.25
71.083	0.00	0.03	0.049	I 0					1.24
71.167	0.00	0.03	0.049	I 0					1.24
71.250	0.00	0.03	0.048	I 0					1.23
71.333	0.00	0.03	0.048	I 0					1.23
71.417	0.00	0.03	0.048	I 0					1.23
71.500	0.00	0.03	0.048	I 0					1.22
71.583	0.00	0.03	0.048	I 0					1.22
71.667	0.00	0.03	0.047	I 0					1.22
71.750	0.00	0.03	0.047	I 0					1.21
71.833	0.00	0.03	0.047	I 0					1.21
71.917	0.00	0.03	0.047	I 0					1.21
72.000	0.00	0.03	0.046	I 0					1.20
72.083	0.00	0.03	0.046	I 0					1.20
72.167	0.00	0.03	0.046	I 0					1.19
72.250	0.00	0.03	0.046	I 0					1.19
72.333	0.00	0.03	0.046	I 0					1.19
72.417	0.00	0.03	0.045	I 0					1.18
72.500	0.00	0.03	0.045	I 0					1.18
72.583	0.00	0.03	0.045	I 0					1.18
72.667	0.00	0.03	0.045	I 0					1.17

72.750	0.00	0.03	0.045	IO					1.17
72.833	0.00	0.03	0.044	IO					1.17
72.917	0.00	0.03	0.044	IO					1.16
73.000	0.00	0.03	0.044	IO					1.16
73.083	0.00	0.03	0.044	IO					1.15
73.167	0.00	0.03	0.044	IO					1.15
73.250	0.00	0.03	0.043	IO					1.15
73.333	0.00	0.03	0.043	IO					1.14
73.417	0.00	0.03	0.043	IO					1.14
73.500	0.00	0.03	0.043	IO					1.14
73.583	0.00	0.03	0.043	IO					1.13
73.667	0.00	0.03	0.042	IO					1.13
73.750	0.00	0.03	0.042	IO					1.13
73.833	0.00	0.03	0.042	IO					1.12
73.917	0.00	0.03	0.042	IO					1.12
74.000	0.00	0.03	0.042	IO					1.12
74.083	0.00	0.03	0.041	IO					1.11
74.167	0.00	0.03	0.041	IO					1.11
74.250	0.00	0.03	0.041	IO					1.10
74.333	0.00	0.03	0.041	IO					1.10
74.417	0.00	0.03	0.041	IO					1.10
74.500	0.00	0.03	0.040	IO					1.09
74.583	0.00	0.03	0.040	IO					1.09
74.667	0.00	0.03	0.040	IO					1.09
74.750	0.00	0.03	0.040	IO					1.08
74.833	0.00	0.03	0.040	IO					1.08
74.917	0.00	0.03	0.039	IO					1.08
75.000	0.00	0.03	0.039	IO					1.07
75.083	0.00	0.03	0.039	IO					1.07
75.167	0.00	0.03	0.039	IO					1.07
75.250	0.00	0.03	0.039	IO					1.06
75.333	0.00	0.03	0.038	IO					1.06
75.417	0.00	0.03	0.038	IO					1.06
75.500	0.00	0.03	0.038	IO					1.05
75.583	0.00	0.03	0.038	IO					1.05
75.667	0.00	0.03	0.038	IO					1.05
75.750	0.00	0.03	0.037	IO					1.04
75.833	0.00	0.03	0.037	IO					1.04
75.917	0.00	0.03	0.037	IO					1.04
76.000	0.00	0.03	0.037	IO					1.03
76.083	0.00	0.03	0.037	IO					1.03
76.167	0.00	0.03	0.036	IO					1.03
76.250	0.00	0.03	0.036	IO					1.02
76.333	0.00	0.03	0.036	IO					1.02
76.417	0.00	0.03	0.036	IO					1.01
76.500	0.00	0.03	0.036	IO					1.01
76.583	0.00	0.03	0.035	IO					1.01
76.667	0.00	0.03	0.035	IO					1.00
76.750	0.00	0.03	0.035	IO					1.00
76.833	0.00	0.03	0.035	IO					1.00

76.917	0.00	0.03	0.035	IO					0.99
77.000	0.00	0.03	0.034	IO					0.99
77.083	0.00	0.03	0.034	IO					0.98
77.167	0.00	0.03	0.034	IO					0.98
77.250	0.00	0.03	0.034	IO					0.97
77.333	0.00	0.03	0.034	IO					0.97
77.417	0.00	0.03	0.034	IO					0.96
77.500	0.00	0.03	0.033	IO					0.96
77.583	0.00	0.03	0.033	IO					0.95
77.667	0.00	0.03	0.033	IO					0.95
77.750	0.00	0.03	0.033	IO					0.94
77.833	0.00	0.03	0.033	IO					0.94
77.917	0.00	0.03	0.032	IO					0.93
78.000	0.00	0.03	0.032	IO					0.93
78.083	0.00	0.03	0.032	IO					0.92
78.167	0.00	0.03	0.032	IO					0.92
78.250	0.00	0.03	0.032	IO					0.91
78.333	0.00	0.03	0.032	IO					0.91
78.417	0.00	0.03	0.031	IO					0.90
78.500	0.00	0.03	0.031	IO					0.90
78.583	0.00	0.03	0.031	IO					0.89
78.667	0.00	0.03	0.031	IO					0.89
78.750	0.00	0.03	0.031	IO					0.88
78.833	0.00	0.03	0.031	IO					0.88
78.917	0.00	0.02	0.030	IO					0.87
79.000	0.00	0.02	0.030	IO					0.87
79.083	0.00	0.02	0.030	IO					0.86
79.167	0.00	0.02	0.030	IO					0.86
79.250	0.00	0.02	0.030	IO					0.85
79.333	0.00	0.02	0.029	IO					0.85
79.417	0.00	0.02	0.029	IO					0.85
79.500	0.00	0.02	0.029	IO					0.84
79.583	0.00	0.02	0.029	IO					0.84
79.667	0.00	0.02	0.029	IO					0.83
79.750	0.00	0.02	0.029	IO					0.83
79.833	0.00	0.02	0.028	IO					0.82
79.917	0.00	0.02	0.028	IO					0.82
80.000	0.00	0.02	0.028	IO					0.81
80.083	0.00	0.02	0.028	IO					0.81
80.167	0.00	0.02	0.028	IO					0.81
80.250	0.00	0.02	0.028	IO					0.80
80.333	0.00	0.02	0.028	IO					0.80
80.417	0.00	0.02	0.027	IO					0.79
80.500	0.00	0.02	0.027	IO					0.79
80.583	0.00	0.02	0.027	IO					0.78
80.667	0.00	0.02	0.027	IO					0.78
80.750	0.00	0.02	0.027	IO					0.77
80.833	0.00	0.02	0.027	IO					0.77
80.917	0.00	0.02	0.026	IO					0.77
81.000	0.00	0.02	0.026	IO					0.76

81.083	0.00	0.02	0.026	IO					0.76
81.167	0.00	0.02	0.026	IO					0.75
81.250	0.00	0.02	0.026	IO					0.75
81.333	0.00	0.02	0.026	IO					0.75
81.417	0.00	0.02	0.026	IO					0.74
81.500	0.00	0.02	0.025	IO					0.74
81.583	0.00	0.02	0.025	IO					0.73
81.667	0.00	0.02	0.025	IO					0.73
81.750	0.00	0.02	0.025	IO					0.73
81.833	0.00	0.02	0.025	IO					0.72
81.917	0.00	0.02	0.025	IO					0.72
82.000	0.00	0.02	0.025	IO					0.71
82.083	0.00	0.02	0.024	IO					0.71
82.167	0.00	0.02	0.024	IO					0.71
82.250	0.00	0.02	0.024	IO					0.70
82.333	0.00	0.02	0.024	IO					0.70
82.417	0.00	0.02	0.024	IO					0.69
82.500	0.00	0.02	0.024	IO					0.69
82.583	0.00	0.02	0.024	IO					0.69
82.667	0.00	0.02	0.023	IO					0.68
82.750	0.00	0.02	0.023	IO					0.68
82.833	0.00	0.02	0.023	IO					0.68
82.917	0.00	0.02	0.023	IO					0.67
83.000	0.00	0.02	0.023	IO					0.67
83.083	0.00	0.02	0.023	IO					0.66
83.167	0.00	0.02	0.023	IO					0.66
83.250	0.00	0.02	0.022	IO					0.66
83.333	0.00	0.02	0.022	IO					0.65
83.417	0.00	0.02	0.022	IO					0.65
83.500	0.00	0.02	0.022	IO					0.65
83.583	0.00	0.02	0.022	IO					0.64
83.667	0.00	0.02	0.022	IO					0.64
83.750	0.00	0.02	0.022	IO					0.63
83.833	0.00	0.02	0.021	IO					0.63
83.917	0.00	0.02	0.021	IO					0.63
84.000	0.00	0.02	0.021	IO					0.62
84.083	0.00	0.02	0.021	IO					0.62
84.167	0.00	0.02	0.021	IO					0.62
84.250	0.00	0.02	0.021	IO					0.61
84.333	0.00	0.02	0.021	IO					0.61
84.417	0.00	0.02	0.021	IO					0.61
84.500	0.00	0.02	0.020	IO					0.60
84.583	0.00	0.02	0.020	IO					0.60
84.667	0.00	0.02	0.020	IO					0.60
84.750	0.00	0.02	0.020	IO					0.59
84.833	0.00	0.02	0.020	IO					0.59
84.917	0.00	0.02	0.020	IO					0.59
85.000	0.00	0.02	0.020	IO					0.58
85.083	0.00	0.02	0.020	IO					0.58
85.167	0.00	0.02	0.019	IO					0.58

85.250	0.00	0.02	0.019	IO					0.57
85.333	0.00	0.02	0.019	IO					0.57
85.417	0.00	0.02	0.019	IO					0.57
85.500	0.00	0.02	0.019	IO					0.56
85.583	0.00	0.02	0.019	IO					0.56
85.667	0.00	0.02	0.019	IO					0.56
85.750	0.00	0.02	0.019	IO					0.55
85.833	0.00	0.02	0.019	IO					0.55
85.917	0.00	0.02	0.018	IO					0.55
86.000	0.00	0.02	0.018	IO					0.54
86.083	0.00	0.02	0.018	IO					0.54
86.167	0.00	0.02	0.018	IO					0.54
86.250	0.00	0.02	0.018	IO					0.53
86.333	0.00	0.02	0.018	IO					0.53
86.417	0.00	0.02	0.018	IO					0.53
86.500	0.00	0.02	0.018	IO					0.53
86.583	0.00	0.02	0.017	IO					0.52
86.667	0.00	0.02	0.017	IO					0.52
86.750	0.00	0.02	0.017	IO					0.52
86.833	0.00	0.02	0.017	IO					0.51
86.917	0.00	0.02	0.017	IO					0.51
87.000	0.00	0.02	0.017	IO					0.51
87.083	0.00	0.02	0.017	IO					0.50
87.167	0.00	0.02	0.017	IO					0.50
87.250	0.00	0.02	0.017	IO					0.50
87.333	0.00	0.02	0.016	IO					0.49
87.417	0.00	0.02	0.016	IO					0.49
87.500	0.00	0.02	0.016	IO					0.49
87.583	0.00	0.02	0.016	IO					0.49
87.667	0.00	0.02	0.016	IO					0.48
87.750	0.00	0.02	0.016	IO					0.48
87.833	0.00	0.02	0.016	IO					0.48
87.917	0.00	0.02	0.016	IO					0.47
88.000	0.00	0.02	0.016	IO					0.47
88.083	0.00	0.02	0.016	IO					0.47
88.167	0.00	0.01	0.015	IO					0.47
88.250	0.00	0.01	0.015	O					0.46
88.333	0.00	0.01	0.015	O					0.46
88.417	0.00	0.01	0.015	O					0.46
88.500	0.00	0.01	0.015	O					0.46
88.583	0.00	0.01	0.015	O					0.45
88.667	0.00	0.01	0.015	O					0.45
88.750	0.00	0.01	0.015	O					0.45
88.833	0.00	0.01	0.015	O					0.44
88.917	0.00	0.01	0.015	O					0.44
89.000	0.00	0.01	0.014	O					0.44
89.083	0.00	0.01	0.014	O					0.44
89.167	0.00	0.01	0.014	O					0.43
89.250	0.00	0.01	0.014	O					0.43
89.333	0.00	0.01	0.014	O					0.43

89.417	0.00	0.01	0.014	0					0.43
89.500	0.00	0.01	0.014	0					0.42
89.583	0.00	0.01	0.014	0					0.42
89.667	0.00	0.01	0.014	0					0.42
89.750	0.00	0.01	0.014	0					0.42
89.833	0.00	0.01	0.013	0					0.41
89.917	0.00	0.01	0.013	0					0.41
90.000	0.00	0.01	0.013	0					0.41
90.083	0.00	0.01	0.013	0					0.40
90.167	0.00	0.01	0.013	0					0.40
90.250	0.00	0.01	0.013	0					0.40
90.333	0.00	0.01	0.013	0					0.40
90.417	0.00	0.01	0.013	0					0.39
90.500	0.00	0.01	0.013	0					0.39
90.583	0.00	0.01	0.013	0					0.39
90.667	0.00	0.01	0.013	0					0.39
90.750	0.00	0.01	0.012	0					0.39
90.833	0.00	0.01	0.012	0					0.38
90.917	0.00	0.01	0.012	0					0.38
91.000	0.00	0.01	0.012	0					0.38
91.083	0.00	0.01	0.012	0					0.38
91.167	0.00	0.01	0.012	0					0.37
91.250	0.00	0.01	0.012	0					0.37
91.333	0.00	0.01	0.012	0					0.37
91.417	0.00	0.01	0.012	0					0.37
91.500	0.00	0.01	0.012	0					0.36
91.583	0.00	0.01	0.012	0					0.36
91.667	0.00	0.01	0.011	0					0.36
91.750	0.00	0.01	0.011	0					0.36
91.833	0.00	0.01	0.011	0					0.35
91.917	0.00	0.01	0.011	0					0.35
92.000	0.00	0.01	0.011	0					0.35
92.083	0.00	0.01	0.011	0					0.35
92.167	0.00	0.01	0.011	0					0.35
92.250	0.00	0.01	0.011	0					0.34
92.333	0.00	0.01	0.011	0					0.34
92.417	0.00	0.01	0.011	0					0.34
92.500	0.00	0.01	0.011	0					0.34
92.583	0.00	0.01	0.011	0					0.33
92.667	0.00	0.01	0.011	0					0.33
92.750	0.00	0.01	0.010	0					0.33
92.833	0.00	0.01	0.010	0					0.33
92.917	0.00	0.01	0.010	0					0.33
93.000	0.00	0.01	0.010	0					0.32
93.083	0.00	0.01	0.010	0					0.32
93.167	0.00	0.01	0.010	0					0.32
93.250	0.00	0.01	0.010	0					0.32
93.333	0.00	0.01	0.010	0					0.31
93.417	0.00	0.01	0.010	0					0.31
93.500	0.00	0.01	0.010	0					0.31

93.583	0.00	0.01	0.010	0					0.31
93.667	0.00	0.01	0.010	0					0.31
93.750	0.00	0.01	0.009	0					0.30
93.833	0.00	0.01	0.009	0					0.30
93.917	0.00	0.01	0.009	0					0.30
94.000	0.00	0.01	0.009	0					0.30
94.083	0.00	0.01	0.009	0					0.30
94.167	0.00	0.01	0.009	0					0.29
94.250	0.00	0.01	0.009	0					0.29
94.333	0.00	0.01	0.009	0					0.29
94.417	0.00	0.01	0.009	0					0.29
94.500	0.00	0.01	0.009	0					0.29
94.583	0.00	0.01	0.009	0					0.28
94.667	0.00	0.01	0.009	0					0.28
94.750	0.00	0.01	0.009	0					0.28
94.833	0.00	0.01	0.009	0					0.28
94.917	0.00	0.01	0.008	0					0.28
95.000	0.00	0.01	0.008	0					0.27
95.083	0.00	0.01	0.008	0					0.27
95.167	0.00	0.01	0.008	0					0.27
95.250	0.00	0.01	0.008	0					0.27
95.333	0.00	0.01	0.008	0					0.27
95.417	0.00	0.01	0.008	0					0.26
95.500	0.00	0.01	0.008	0					0.26
95.583	0.00	0.01	0.008	0					0.26
95.667	0.00	0.01	0.008	0					0.26
95.750	0.00	0.01	0.008	0					0.26
95.833	0.00	0.01	0.008	0					0.26
95.917	0.00	0.01	0.008	0					0.25
96.000	0.00	0.01	0.008	0					0.25
96.083	0.00	0.01	0.007	0					0.25
96.167	0.00	0.01	0.007	0					0.25
96.250	0.00	0.01	0.007	0					0.25
96.333	0.00	0.01	0.007	0					0.24
96.417	0.00	0.01	0.007	0					0.24
96.500	0.00	0.01	0.007	0					0.24
96.583	0.00	0.01	0.007	0					0.24
96.667	0.00	0.01	0.007	0					0.24
96.750	0.00	0.01	0.007	0					0.24
96.833	0.00	0.01	0.007	0					0.23
96.917	0.00	0.01	0.007	0					0.23
97.000	0.00	0.01	0.007	0					0.23
97.083	0.00	0.01	0.007	0					0.23
97.167	0.00	0.01	0.007	0					0.23
97.250	0.00	0.01	0.007	0					0.23
97.333	0.00	0.01	0.007	0					0.22
97.417	0.00	0.01	0.006	0					0.22
97.500	0.00	0.01	0.006	0					0.22
97.583	0.00	0.01	0.006	0					0.22
97.667	0.00	0.01	0.006	0					0.22

97.750	0.00	0.01	0.006	0					0.22
97.833	0.00	0.01	0.006	0					0.21
97.917	0.00	0.01	0.006	0					0.21
98.000	0.00	0.01	0.006	0					0.21
98.083	0.00	0.01	0.006	0					0.21
98.167	0.00	0.01	0.006	0					0.21
98.250	0.00	0.01	0.006	0					0.21
98.333	0.00	0.01	0.006	0					0.20
98.417	0.00	0.01	0.006	0					0.20
98.500	0.00	0.01	0.006	0					0.20
98.583	0.00	0.01	0.006	0					0.20
98.667	0.00	0.01	0.006	0					0.20
98.750	0.00	0.01	0.006	0					0.20
98.833	0.00	0.01	0.005	0					0.19
98.917	0.00	0.01	0.005	0					0.19
99.000	0.00	0.01	0.005	0					0.19
99.083	0.00	0.01	0.005	0					0.19
99.167	0.00	0.01	0.005	0					0.19
99.250	0.00	0.01	0.005	0					0.19
99.333	0.00	0.01	0.005	0					0.19
99.417	0.00	0.01	0.005	0					0.18
99.500	0.00	0.01	0.005	0					0.18
99.583	0.00	0.01	0.005	0					0.18
99.667	0.00	0.01	0.005	0					0.18
99.750	0.00	0.01	0.005	0					0.18
99.833	0.00	0.01	0.005	0					0.18
99.917	0.00	0.01	0.005	0					0.17
100.000	0.00	0.01	0.005	0					0.17
100.083	0.00	0.01	0.005	0					0.17
100.167	0.00	0.01	0.005	0					0.17
100.250	0.00	0.01	0.005	0					0.17
100.333	0.00	0.01	0.004	0					0.17
100.417	0.00	0.01	0.004	0					0.17
100.500	0.00	0.01	0.004	0					0.16
100.583	0.00	0.01	0.004	0					0.16
100.667	0.00	0.01	0.004	0					0.16
100.750	0.00	0.01	0.004	0					0.16
100.833	0.00	0.01	0.004	0					0.16
100.917	0.00	0.01	0.004	0					0.16
101.000	0.00	0.01	0.004	0					0.16
101.083	0.00	0.01	0.004	0					0.15
101.167	0.00	0.01	0.004	0					0.15
101.250	0.00	0.01	0.004	0					0.15
101.333	0.00	0.01	0.004	0					0.15
101.417	0.00	0.01	0.004	0					0.15
101.500	0.00	0.01	0.004	0					0.15
101.583	0.00	0.01	0.004	0					0.15
101.667	0.00	0.01	0.004	0					0.15
101.750	0.00	0.01	0.004	0					0.14
101.833	0.00	0.01	0.004	0					0.14

101.917	0.00	0.01	0.004	0					0.14
102.000	0.00	0.01	0.003	0					0.14
102.083	0.00	0.01	0.003	0					0.14
102.167	0.00	0.01	0.003	0					0.14
102.250	0.00	0.01	0.003	0					0.14
102.333	0.00	0.01	0.003	0					0.13
102.417	0.00	0.01	0.003	0					0.13
102.500	0.00	0.01	0.003	0					0.13
102.583	0.00	0.01	0.003	0					0.13
102.667	0.00	0.01	0.003	0					0.13
102.750	0.00	0.01	0.003	0					0.13
102.833	0.00	0.01	0.003	0					0.13
102.917	0.00	0.01	0.003	0					0.13
103.000	0.00	0.01	0.003	0					0.12
103.083	0.00	0.01	0.003	0					0.12
103.167	0.00	0.01	0.003	0					0.12
103.250	0.00	0.01	0.003	0					0.12
103.333	0.00	0.01	0.003	0					0.12
103.417	0.00	0.01	0.003	0					0.12
103.500	0.00	0.01	0.003	0					0.12
103.583	0.00	0.01	0.003	0					0.12
103.667	0.00	0.01	0.003	0					0.11
103.750	0.00	0.01	0.003	0					0.11
103.833	0.00	0.01	0.002	0					0.11
103.917	0.00	0.01	0.002	0					0.11
104.000	0.00	0.01	0.002	0					0.11
104.083	0.00	0.01	0.002	0					0.11
104.167	0.00	0.01	0.002	0					0.11
104.250	0.00	0.01	0.002	0					0.11
104.333	0.00	0.01	0.002	0					0.11
104.417	0.00	0.01	0.002	0					0.10
104.500	0.00	0.01	0.002	0					0.10
104.583	0.00	0.01	0.002	0					0.10
104.667	0.00	0.01	0.002	0					0.10
104.750	0.00	0.01	0.002	0					0.10
104.833	0.00	0.01	0.002	0					0.10
104.917	0.00	0.01	0.002	0					0.10
105.000	0.00	0.01	0.002	0					0.09
105.083	0.00	0.01	0.002	0					0.09
105.167	0.00	0.01	0.002	0					0.09
105.250	0.00	0.01	0.002	0					0.09
105.333	0.00	0.01	0.002	0					0.09
105.417	0.00	0.01	0.002	0					0.08
105.500	0.00	0.00	0.002	0					0.08
105.583	0.00	0.00	0.002	0					0.08
105.667	0.00	0.00	0.002	0					0.08
105.750	0.00	0.00	0.002	0					0.08
105.833	0.00	0.00	0.002	0					0.08
105.917	0.00	0.00	0.001	0					0.07
106.000	0.00	0.00	0.001	0					0.07

106.083	0.00	0.00	0.001	0					0.07
106.167	0.00	0.00	0.001	0					0.07
106.250	0.00	0.00	0.001	0					0.07
106.333	0.00	0.00	0.001	0					0.07
106.417	0.00	0.00	0.001	0					0.07
106.500	0.00	0.00	0.001	0					0.06
106.583	0.00	0.00	0.001	0					0.06
106.667	0.00	0.00	0.001	0					0.06
106.750	0.00	0.00	0.001	0					0.06
106.833	0.00	0.00	0.001	0					0.06
106.917	0.00	0.00	0.001	0					0.06
107.000	0.00	0.00	0.001	0					0.06
107.083	0.00	0.00	0.001	0					0.06
107.167	0.00	0.00	0.001	0					0.05
107.250	0.00	0.00	0.001	0					0.05
107.333	0.00	0.00	0.001	0					0.05
107.417	0.00	0.00	0.001	0					0.05
107.500	0.00	0.00	0.001	0					0.05
107.583	0.00	0.00	0.001	0					0.05
107.667	0.00	0.00	0.001	0					0.05
107.750	0.00	0.00	0.001	0					0.05
107.833	0.00	0.00	0.001	0					0.05
107.917	0.00	0.00	0.001	0					0.05
108.000	0.00	0.00	0.001	0					0.04
108.083	0.00	0.00	0.001	0					0.04
108.167	0.00	0.00	0.001	0					0.04
108.250	0.00	0.00	0.001	0					0.04
108.333	0.00	0.00	0.001	0					0.04
108.417	0.00	0.00	0.001	0					0.04
108.500	0.00	0.00	0.001	0					0.04
108.583	0.00	0.00	0.001	0					0.04
108.667	0.00	0.00	0.001	0					0.04
108.750	0.00	0.00	0.001	0					0.04
108.833	0.00	0.00	0.001	0					0.04
108.917	0.00	0.00	0.001	0					0.04
109.000	0.00	0.00	0.001	0					0.03
109.083	0.00	0.00	0.001	0					0.03
109.167	0.00	0.00	0.001	0					0.03
109.250	0.00	0.00	0.001	0					0.03
109.333	0.00	0.00	0.001	0					0.03
109.417	0.00	0.00	0.001	0					0.03
109.500	0.00	0.00	0.001	0					0.03
109.583	0.00	0.00	0.001	0					0.03
109.667	0.00	0.00	0.001	0					0.03
109.750	0.00	0.00	0.001	0					0.03
109.833	0.00	0.00	0.001	0					0.03
109.917	0.00	0.00	0.001	0					0.03
110.000	0.00	0.00	0.001	0					0.03
110.083	0.00	0.00	0.001	0					0.03
110.167	0.00	0.00	0.001	0					0.03

110.250	0.00	0.00	0.001	0					0.03
110.333	0.00	0.00	0.000	0					0.02
110.417	0.00	0.00	0.000	0					0.02
110.500	0.00	0.00	0.000	0					0.02
110.583	0.00	0.00	0.000	0					0.02
110.667	0.00	0.00	0.000	0					0.02
110.750	0.00	0.00	0.000	0					0.02
110.833	0.00	0.00	0.000	0					0.02
110.917	0.00	0.00	0.000	0					0.02
111.000	0.00	0.00	0.000	0					0.02
111.083	0.00	0.00	0.000	0					0.02
111.167	0.00	0.00	0.000	0					0.02
111.250	0.00	0.00	0.000	0					0.02
111.333	0.00	0.00	0.000	0					0.02
111.417	0.00	0.00	0.000	0					0.02
111.500	0.00	0.00	0.000	0					0.02
111.583	0.00	0.00	0.000	0					0.02
111.667	0.00	0.00	0.000	0					0.02
111.750	0.00	0.00	0.000	0					0.02
111.833	0.00	0.00	0.000	0					0.02
111.917	0.00	0.00	0.000	0					0.02
112.000	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 1344

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.055 (CFS)

Total volume = 0.290 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
2 yr
6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da462.rte
*****HYDROGRAPH DATA*****
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.498 (CFS)
Total volume = 0.174 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S+0*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.75	1.12	1.50	Depth (Ft.)
0.083	0.08	0.00	0.000	OI					0.01
0.167	0.14	0.00	0.001	O I					0.05
0.250	0.15	0.01	0.002	O I					0.10
0.333	0.15	0.01	0.003	O I					0.12
0.417	0.15	0.01	0.004	O I					0.15
0.500	0.16	0.01	0.005	O I					0.18
0.583	0.17	0.01	0.006	O I					0.21
0.667	0.17	0.01	0.007	O I					0.24
0.750	0.17	0.01	0.008	O I					0.27
0.833	0.17	0.01	0.009	O I					0.30
0.917	0.17	0.01	0.010	O I					0.33
1.000	0.19	0.01	0.012	O I					0.36
1.083	0.20	0.01	0.013	O I					0.40
1.167	0.20	0.01	0.014	O I					0.43
1.250	0.20	0.01	0.015	O I					0.47
1.333	0.20	0.02	0.017	O I					0.50
1.417	0.20	0.02	0.018	O I					0.53
1.500	0.20	0.02	0.019	O I					0.57
1.583	0.20	0.02	0.020	O I					0.60
1.667	0.20	0.02	0.022	O I					0.64
1.750	0.20	0.02	0.023	O I					0.67
1.833	0.20	0.02	0.024	O I					0.70

1.917	0.20	0.02	0.025	0	I						0.74
2.000	0.21	0.02	0.027	0	I						0.77
2.083	0.21	0.02	0.028	0	I						0.80
2.167	0.21	0.02	0.029	0	I						0.84
2.250	0.22	0.02	0.030	0	I						0.88
2.333	0.22	0.03	0.032	0	I						0.91
2.417	0.22	0.03	0.033	0	I						0.95
2.500	0.22	0.03	0.034	0	I						0.99
2.583	0.22	0.03	0.036	0	I						1.01
2.667	0.22	0.03	0.037	0	I						1.04
2.750	0.24	0.03	0.039	0	I						1.06
2.833	0.25	0.03	0.040	0	I						1.09
2.917	0.25	0.03	0.042	0	I						1.11
3.000	0.25	0.03	0.043	0	I						1.14
3.083	0.25	0.03	0.045	0	I						1.17
3.167	0.26	0.03	0.046	0	I						1.19
3.250	0.27	0.03	0.048	0	I						1.22
3.333	0.27	0.03	0.049	0	I						1.25
3.417	0.29	0.03	0.051	0	I						1.28
3.500	0.31	0.03	0.053	0	I						1.31
3.583	0.34	0.03	0.055	0	I						1.35
3.667	0.34	0.03	0.057	0	I						1.39
3.750	0.36	0.03	0.059	0	I						1.43
3.833	0.37	0.03	0.062	0	I						1.47
3.917	0.39	0.03	0.064	0	I						1.51
4.000	0.39	0.03	0.066	0	I						1.55
4.083	0.41	0.03	0.069	0	I						1.59
4.167	0.43	0.04	0.072	0	I						1.64
4.250	0.46	0.04	0.074	0	I						1.69
4.333	0.48	0.04	0.077	0	I						1.74
4.417	0.51	0.04	0.081	0	I						1.80
4.500	0.52	0.04	0.084	0	I						1.86
4.583	0.53	0.04	0.087	0	I						1.92
4.667	0.56	0.04	0.091	0	I						1.98
4.750	0.58	0.04	0.094	0	I						2.03
4.833	0.59	0.04	0.098	0	I						2.09
4.917	0.61	0.04	0.102	0	I						2.15
5.000	0.63	0.04	0.106	0	I						2.21
5.083	0.73	0.04	0.110	0	I						2.27
5.167	0.88	0.04	0.116	0	I						2.35
5.250	1.00	0.04	0.122	0	I						2.44
5.333	1.11	0.04	0.129	0	I						2.54
5.417	1.25	0.04	0.137	0	I						2.66
5.500	1.50	0.05	0.146	0	I						2.79
5.583	0.87	0.05	0.154	0	I						2.91
5.667	0.35	0.05	0.157	0	I						2.96
5.750	0.18	0.05	0.159	0	I						2.98
5.833	0.13	0.05	0.160	0	I						3.00
5.917	0.09	0.05	0.160	0	I						3.00
6.000	0.06	0.05	0.160	0	I						3.00

6.083	0.02	0.05	0.160	IO					3.00
6.167	0.00	0.05	0.160	IO					3.00
6.250	0.00	0.05	0.160	IO					3.00
6.333	0.00	0.05	0.159	IO					2.99
6.417	0.00	0.05	0.159	IO					2.99
6.500	0.00	0.05	0.159	IO					2.98
6.583	0.00	0.05	0.158	IO					2.98
6.667	0.00	0.05	0.158	IO					2.97
6.750	0.00	0.05	0.158	IO					2.97
6.833	0.00	0.05	0.157	IO					2.96
6.917	0.00	0.05	0.157	IO					2.96
7.000	0.00	0.05	0.157	IO					2.95
7.083	0.00	0.05	0.156	IO					2.95
7.167	0.00	0.05	0.156	IO					2.94
7.250	0.00	0.05	0.156	IO					2.94
7.333	0.00	0.05	0.155	IO					2.93
7.417	0.00	0.05	0.155	IO					2.93
7.500	0.00	0.05	0.155	IO					2.92
7.583	0.00	0.05	0.154	IO					2.92
7.667	0.00	0.05	0.154	IO					2.91
7.750	0.00	0.05	0.154	IO					2.91
7.833	0.00	0.05	0.153	IO					2.90
7.917	0.00	0.05	0.153	IO					2.90
8.000	0.00	0.05	0.153	IO					2.89
8.083	0.00	0.05	0.153	IO					2.89
8.167	0.00	0.05	0.152	IO					2.88
8.250	0.00	0.05	0.152	IO					2.88
8.333	0.00	0.05	0.152	IO					2.88
8.417	0.00	0.05	0.151	IO					2.87
8.500	0.00	0.05	0.151	0					2.87
8.583	0.00	0.05	0.151	0					2.86
8.667	0.00	0.05	0.150	0					2.86
8.750	0.00	0.05	0.150	0					2.85
8.833	0.00	0.05	0.150	0					2.85
8.917	0.00	0.05	0.149	0					2.84
9.000	0.00	0.05	0.149	0					2.84
9.083	0.00	0.05	0.149	0					2.83
9.167	0.00	0.05	0.148	0					2.83
9.250	0.00	0.05	0.148	0					2.82
9.333	0.00	0.05	0.148	0					2.82
9.417	0.00	0.05	0.147	0					2.81
9.500	0.00	0.05	0.147	0					2.81
9.583	0.00	0.05	0.147	0					2.80
9.667	0.00	0.05	0.146	0					2.80
9.750	0.00	0.05	0.146	0					2.80
9.833	0.00	0.05	0.146	0					2.79
9.917	0.00	0.05	0.145	0					2.79
10.000	0.00	0.05	0.145	0					2.78
10.083	0.00	0.05	0.145	0					2.78
10.167	0.00	0.05	0.144	0					2.77

10.250	0.00	0.05	0.144	0					2.77
10.333	0.00	0.05	0.144	0					2.76
10.417	0.00	0.05	0.144	0					2.76
10.500	0.00	0.05	0.143	0					2.75
10.583	0.00	0.05	0.143	0					2.75
10.667	0.00	0.05	0.143	0					2.74
10.750	0.00	0.05	0.142	0					2.74
10.833	0.00	0.05	0.142	0					2.73
10.917	0.00	0.05	0.142	0					2.73
11.000	0.00	0.05	0.141	0					2.73
11.083	0.00	0.05	0.141	0					2.72
11.167	0.00	0.05	0.141	0					2.72
11.250	0.00	0.05	0.140	0					2.71
11.333	0.00	0.05	0.140	0					2.71
11.417	0.00	0.05	0.140	0					2.70
11.500	0.00	0.05	0.139	0					2.70
11.583	0.00	0.05	0.139	0					2.69
11.667	0.00	0.05	0.139	0					2.69
11.750	0.00	0.05	0.139	0					2.68
11.833	0.00	0.05	0.138	0					2.68
11.917	0.00	0.05	0.138	0					2.68
12.000	0.00	0.05	0.138	0					2.67
12.083	0.00	0.04	0.137	0					2.67
12.167	0.00	0.04	0.137	0					2.66
12.250	0.00	0.04	0.137	0					2.66
12.333	0.00	0.04	0.136	0					2.65
12.417	0.00	0.04	0.136	0					2.65
12.500	0.00	0.04	0.136	0					2.64
12.583	0.00	0.04	0.135	0					2.64
12.667	0.00	0.04	0.135	0					2.63
12.750	0.00	0.04	0.135	0					2.63
12.833	0.00	0.04	0.135	0					2.63
12.917	0.00	0.04	0.134	0					2.62
13.000	0.00	0.04	0.134	0					2.62
13.083	0.00	0.04	0.134	0					2.61
13.167	0.00	0.04	0.133	0					2.61
13.250	0.00	0.04	0.133	0					2.60
13.333	0.00	0.04	0.133	0					2.60
13.417	0.00	0.04	0.132	0					2.59
13.500	0.00	0.04	0.132	0					2.59
13.583	0.00	0.04	0.132	0					2.58
13.667	0.00	0.04	0.131	0					2.58
13.750	0.00	0.04	0.131	0					2.58
13.833	0.00	0.04	0.131	0					2.57
13.917	0.00	0.04	0.131	0					2.57
14.000	0.00	0.04	0.130	0					2.56
14.083	0.00	0.04	0.130	0					2.56
14.167	0.00	0.04	0.130	0					2.55
14.250	0.00	0.04	0.129	0					2.55
14.333	0.00	0.04	0.129	0					2.54

14.417	0.00	0.04	0.129	0					2.54
14.500	0.00	0.04	0.128	0					2.54
14.583	0.00	0.04	0.128	0					2.53
14.667	0.00	0.04	0.128	0					2.53
14.750	0.00	0.04	0.128	0					2.52
14.833	0.00	0.04	0.127	0					2.52
14.917	0.00	0.04	0.127	0					2.51
15.000	0.00	0.04	0.127	0					2.51
15.083	0.00	0.04	0.126	0					2.50
15.167	0.00	0.04	0.126	0					2.50
15.250	0.00	0.04	0.126	0					2.50
15.333	0.00	0.04	0.125	0					2.49
15.417	0.00	0.04	0.125	0					2.49
15.500	0.00	0.04	0.125	0					2.48
15.583	0.00	0.04	0.125	0					2.48
15.667	0.00	0.04	0.124	0					2.47
15.750	0.00	0.04	0.124	0					2.47
15.833	0.00	0.04	0.124	0					2.47
15.917	0.00	0.04	0.123	0					2.46
16.000	0.00	0.04	0.123	0					2.46
16.083	0.00	0.04	0.123	0					2.45
16.167	0.00	0.04	0.122	0					2.45
16.250	0.00	0.04	0.122	0					2.44
16.333	0.00	0.04	0.122	0					2.44
16.417	0.00	0.04	0.122	0					2.43
16.500	0.00	0.04	0.121	0					2.43
16.583	0.00	0.04	0.121	0					2.43
16.667	0.00	0.04	0.121	0					2.42
16.750	0.00	0.04	0.120	0					2.42
16.833	0.00	0.04	0.120	0					2.41
16.917	0.00	0.04	0.120	0					2.41
17.000	0.00	0.04	0.119	0					2.40
17.083	0.00	0.04	0.119	0					2.40
17.167	0.00	0.04	0.119	0					2.40
17.250	0.00	0.04	0.119	0					2.39
17.333	0.00	0.04	0.118	0					2.39
17.417	0.00	0.04	0.118	0					2.38
17.500	0.00	0.04	0.118	0					2.38
17.583	0.00	0.04	0.117	0					2.37
17.667	0.00	0.04	0.117	0					2.37
17.750	0.00	0.04	0.117	0					2.37
17.833	0.00	0.04	0.117	0					2.36
17.917	0.00	0.04	0.116	0					2.36
18.000	0.00	0.04	0.116	0					2.35
18.083	0.00	0.04	0.116	0					2.35
18.167	0.00	0.04	0.115	0					2.34
18.250	0.00	0.04	0.115	0					2.34
18.333	0.00	0.04	0.115	0					2.34
18.417	0.00	0.04	0.115	0					2.33
18.500	0.00	0.04	0.114	0					2.33

18.583	0.00	0.04	0.114	0					2.32
18.667	0.00	0.04	0.114	0					2.32
18.750	0.00	0.04	0.113	0					2.31
18.833	0.00	0.04	0.113	0					2.31
18.917	0.00	0.04	0.113	0					2.31
19.000	0.00	0.04	0.113	0					2.30
19.083	0.00	0.04	0.112	0					2.30
19.167	0.00	0.04	0.112	0					2.29
19.250	0.00	0.04	0.112	0					2.29
19.333	0.00	0.04	0.111	0					2.28
19.417	0.00	0.04	0.111	0					2.28
19.500	0.00	0.04	0.111	0					2.28
19.583	0.00	0.04	0.111	0					2.27
19.667	0.00	0.04	0.110	0					2.27
19.750	0.00	0.04	0.110	0					2.26
19.833	0.00	0.04	0.110	0					2.26
19.917	0.00	0.04	0.109	0					2.26
20.000	0.00	0.04	0.109	0					2.25
20.083	0.00	0.04	0.109	0					2.25
20.167	0.00	0.04	0.109	0					2.24
20.250	0.00	0.04	0.108	0					2.24
20.333	0.00	0.04	0.108	0					2.23
20.417	0.00	0.04	0.108	0					2.23
20.500	0.00	0.04	0.107	0					2.23
20.583	0.00	0.04	0.107	0					2.22
20.667	0.00	0.04	0.107	0					2.22
20.750	0.00	0.04	0.107	0					2.21
20.833	0.00	0.04	0.106	0					2.21
20.917	0.00	0.04	0.106	0					2.21
21.000	0.00	0.04	0.106	0					2.20
21.083	0.00	0.04	0.105	0					2.20
21.167	0.00	0.04	0.105	0					2.19
21.250	0.00	0.04	0.105	0					2.19
21.333	0.00	0.04	0.105	0					2.19
21.417	0.00	0.04	0.104	0					2.18
21.500	0.00	0.04	0.104	0					2.18
21.583	0.00	0.04	0.104	0					2.17
21.667	0.00	0.04	0.103	0					2.17
21.750	0.00	0.04	0.103	0					2.16
21.833	0.00	0.04	0.103	0					2.16
21.917	0.00	0.04	0.103	0					2.16
22.000	0.00	0.04	0.102	0					2.15
22.083	0.00	0.04	0.102	0					2.15
22.167	0.00	0.04	0.102	0					2.14
22.250	0.00	0.04	0.102	0					2.14
22.333	0.00	0.04	0.101	0					2.14
22.417	0.00	0.04	0.101	0					2.13
22.500	0.00	0.04	0.101	0					2.13
22.583	0.00	0.04	0.100	0					2.12
22.667	0.00	0.04	0.100	0					2.12

22.750	0.00	0.04	0.100	0					2.12
22.833	0.00	0.04	0.100	0					2.11
22.917	0.00	0.04	0.099	0					2.11
23.000	0.00	0.04	0.099	0					2.10
23.083	0.00	0.04	0.099	0					2.10
23.167	0.00	0.04	0.098	0					2.10
23.250	0.00	0.04	0.098	0					2.09
23.333	0.00	0.04	0.098	0					2.09
23.417	0.00	0.04	0.098	0					2.08
23.500	0.00	0.04	0.097	0					2.08
23.583	0.00	0.04	0.097	0					2.08
23.667	0.00	0.04	0.097	0					2.07
23.750	0.00	0.04	0.097	0					2.07
23.833	0.00	0.04	0.096	0					2.06
23.917	0.00	0.04	0.096	0					2.06
24.000	0.00	0.04	0.096	0					2.06
24.083	0.00	0.04	0.095	0					2.05
24.167	0.00	0.04	0.095	0					2.05
24.250	0.00	0.04	0.095	0					2.04
24.333	0.00	0.04	0.095	0					2.04
24.417	0.00	0.04	0.094	0					2.04
24.500	0.00	0.04	0.094	0					2.03
24.583	0.00	0.04	0.094	0					2.03
24.667	0.00	0.04	0.094	0					2.02
24.750	0.00	0.04	0.093	0					2.02
24.833	0.00	0.04	0.093	0					2.02
24.917	0.00	0.04	0.093	0					2.01
25.000	0.00	0.04	0.093	0					2.01
25.083	0.00	0.04	0.092	0					2.00
25.167	0.00	0.04	0.092	0					2.00
25.250	0.00	0.04	0.092	0					1.99
25.333	0.00	0.04	0.091	0					1.99
25.417	0.00	0.04	0.091	0					1.99
25.500	0.00	0.04	0.091	0					1.98
25.583	0.00	0.04	0.091	0					1.98
25.667	0.00	0.04	0.090	0					1.97
25.750	0.00	0.04	0.090	0					1.97
25.833	0.00	0.04	0.090	0					1.96
25.917	0.00	0.04	0.090	0					1.96
26.000	0.00	0.04	0.089	0					1.95
26.083	0.00	0.04	0.089	0					1.95
26.167	0.00	0.04	0.089	0					1.94
26.250	0.00	0.04	0.089	0					1.94
26.333	0.00	0.04	0.088	0					1.93
26.417	0.00	0.04	0.088	0					1.93
26.500	0.00	0.04	0.088	0					1.92
26.583	0.00	0.04	0.087	0					1.92
26.667	0.00	0.04	0.087	0					1.92
26.750	0.00	0.04	0.087	0					1.91
26.833	0.00	0.04	0.087	0					1.91

26.917	0.00	0.04	0.086	0					1.90
27.000	0.00	0.04	0.086	0					1.90
27.083	0.00	0.04	0.086	0					1.89
27.167	0.00	0.04	0.086	0					1.89
27.250	0.00	0.04	0.085	0					1.88
27.333	0.00	0.04	0.085	0					1.88
27.417	0.00	0.04	0.085	0					1.87
27.500	0.00	0.04	0.085	0					1.87
27.583	0.00	0.04	0.084	0					1.87
27.667	0.00	0.04	0.084	0					1.86
27.750	0.00	0.04	0.084	0					1.86
27.833	0.00	0.04	0.084	0					1.85
27.917	0.00	0.04	0.083	0					1.85
28.000	0.00	0.04	0.083	0					1.84
28.083	0.00	0.04	0.083	0					1.84
28.167	0.00	0.04	0.083	0					1.83
28.250	0.00	0.04	0.082	0					1.83
28.333	0.00	0.04	0.082	0					1.82
28.417	0.00	0.04	0.082	0					1.82
28.500	0.00	0.04	0.082	0					1.82
28.583	0.00	0.04	0.081	0					1.81
28.667	0.00	0.04	0.081	0					1.81
28.750	0.00	0.04	0.081	0					1.80
28.833	0.00	0.04	0.080	0					1.80
28.917	0.00	0.04	0.080	0					1.79
29.000	0.00	0.04	0.080	0					1.79
29.083	0.00	0.04	0.080	0					1.78
29.167	0.00	0.04	0.079	0					1.78
29.250	0.00	0.04	0.079	0					1.78
29.333	0.00	0.04	0.079	0					1.77
29.417	0.00	0.04	0.079	0					1.77
29.500	0.00	0.04	0.078	0					1.76
29.583	0.00	0.04	0.078	0					1.76
29.667	0.00	0.04	0.078	0					1.75
29.750	0.00	0.04	0.078	0					1.75
29.833	0.00	0.04	0.077	0					1.75
29.917	0.00	0.04	0.077	0					1.74
30.000	0.00	0.04	0.077	0					1.74
30.083	0.00	0.04	0.077	0					1.73
30.167	0.00	0.04	0.076	0					1.73
30.250	0.00	0.04	0.076	0					1.72
30.333	0.00	0.04	0.076	0					1.72
30.417	0.00	0.04	0.076	0					1.71
30.500	0.00	0.04	0.075	0					1.71
30.583	0.00	0.04	0.075	0					1.71
30.667	0.00	0.04	0.075	0					1.70
30.750	0.00	0.04	0.075	0					1.70
30.833	0.00	0.04	0.075	0					1.69
30.917	0.00	0.04	0.074	0					1.69
31.000	0.00	0.04	0.074	0					1.68

31.083	0.00	0.04	0.074	0					1.68
31.167	0.00	0.04	0.074	0					1.68
31.250	0.00	0.04	0.073	0					1.67
31.333	0.00	0.04	0.073	0					1.67
31.417	0.00	0.04	0.073	0					1.66
31.500	0.00	0.04	0.073	0					1.66
31.583	0.00	0.04	0.072	0					1.65
31.667	0.00	0.04	0.072	0					1.65
31.750	0.00	0.04	0.072	0					1.65
31.833	0.00	0.04	0.072	0					1.64
31.917	0.00	0.04	0.071	0					1.64
32.000	0.00	0.03	0.071	0					1.63
32.083	0.00	0.03	0.071	0					1.63
32.167	0.00	0.03	0.071	0					1.62
32.250	0.00	0.03	0.070	0					1.62
32.333	0.00	0.03	0.070	0					1.62
32.417	0.00	0.03	0.070	0					1.61
32.500	0.00	0.03	0.070	0					1.61
32.583	0.00	0.03	0.069	0					1.60
32.667	0.00	0.03	0.069	0					1.60
32.750	0.00	0.03	0.069	0					1.60
32.833	0.00	0.03	0.069	0					1.59
32.917	0.00	0.03	0.068	0					1.59
33.000	0.00	0.03	0.068	0					1.58
33.083	0.00	0.03	0.068	0					1.58
33.167	0.00	0.03	0.068	0					1.57
33.250	0.00	0.03	0.068	0					1.57
33.333	0.00	0.03	0.067	0					1.57
33.417	0.00	0.03	0.067	0					1.56
33.500	0.00	0.03	0.067	0					1.56
33.583	0.00	0.03	0.067	0					1.55
33.667	0.00	0.03	0.066	0					1.55
33.750	0.00	0.03	0.066	0					1.55
33.833	0.00	0.03	0.066	0					1.54
33.917	0.00	0.03	0.066	0					1.54
34.000	0.00	0.03	0.065	0					1.53
34.083	0.00	0.03	0.065	0					1.53
34.167	0.00	0.03	0.065	0					1.53
34.250	0.00	0.03	0.065	0					1.52
34.333	0.00	0.03	0.064	0					1.52
34.417	0.00	0.03	0.064	0					1.51
34.500	0.00	0.03	0.064	0					1.51
34.583	0.00	0.03	0.064	0					1.51
34.667	0.00	0.03	0.064	0					1.50
34.750	0.00	0.03	0.063	0					1.50
34.833	0.00	0.03	0.063	0					1.49
34.917	0.00	0.03	0.063	0					1.49
35.000	0.00	0.03	0.063	0					1.48
35.083	0.00	0.03	0.062	0					1.48
35.167	0.00	0.03	0.062	0					1.48

35.250	0.00	0.03	0.062	0					1.47
35.333	0.00	0.03	0.062	0					1.47
35.417	0.00	0.03	0.061	0					1.46
35.500	0.00	0.03	0.061	0					1.46
35.583	0.00	0.03	0.061	0					1.46
35.667	0.00	0.03	0.061	0					1.45
35.750	0.00	0.03	0.061	0					1.45
35.833	0.00	0.03	0.060	0					1.44
35.917	0.00	0.03	0.060	0					1.44
36.000	0.00	0.03	0.060	0					1.44
36.083	0.00	0.03	0.060	0					1.43
36.167	0.00	0.03	0.059	0					1.43
36.250	0.00	0.03	0.059	0					1.43
36.333	0.00	0.03	0.059	0					1.42
36.417	0.00	0.03	0.059	0					1.42
36.500	0.00	0.03	0.059	0					1.41
36.583	0.00	0.03	0.058	0					1.41
36.667	0.00	0.03	0.058	0					1.41
36.750	0.00	0.03	0.058	0					1.40
36.833	0.00	0.03	0.058	0					1.40
36.917	0.00	0.03	0.057	0					1.39
37.000	0.00	0.03	0.057	0					1.39
37.083	0.00	0.03	0.057	0					1.39
37.167	0.00	0.03	0.057	0					1.38
37.250	0.00	0.03	0.057	0					1.38
37.333	0.00	0.03	0.056	0					1.37
37.417	0.00	0.03	0.056	0					1.37
37.500	0.00	0.03	0.056	0					1.37
37.583	0.00	0.03	0.056	0					1.36
37.667	0.00	0.03	0.055	0					1.36
37.750	0.00	0.03	0.055	0					1.35
37.833	0.00	0.03	0.055	0					1.35
37.917	0.00	0.03	0.055	0					1.35
38.000	0.00	0.03	0.055	0					1.34
38.083	0.00	0.03	0.054	0					1.34
38.167	0.00	0.03	0.054	0					1.34
38.250	0.00	0.03	0.054	0					1.33
38.333	0.00	0.03	0.054	0					1.33
38.417	0.00	0.03	0.053	0					1.32
38.500	0.00	0.03	0.053	0					1.32
38.583	0.00	0.03	0.053	0					1.32
38.667	0.00	0.03	0.053	0					1.31
38.750	0.00	0.03	0.053	0					1.31
38.833	0.00	0.03	0.052	0					1.31
38.917	0.00	0.03	0.052	0					1.30
39.000	0.00	0.03	0.052	0					1.30
39.083	0.00	0.03	0.052	0					1.29
39.167	0.00	0.03	0.052	0					1.29
39.250	0.00	0.03	0.051	0					1.29
39.333	0.00	0.03	0.051	0					1.28

39.417	0.00	0.03	0.051	0					1.28
39.500	0.00	0.03	0.051	0					1.27
39.583	0.00	0.03	0.050	0					1.27
39.667	0.00	0.03	0.050	0					1.27
39.750	0.00	0.03	0.050	0					1.26
39.833	0.00	0.03	0.050	0					1.26
39.917	0.00	0.03	0.050	0					1.26
40.000	0.00	0.03	0.049	0					1.25
40.083	0.00	0.03	0.049	0					1.25
40.167	0.00	0.03	0.049	0					1.25
40.250	0.00	0.03	0.049	0					1.24
40.333	0.00	0.03	0.049	0					1.24
40.417	0.00	0.03	0.048	0					1.23
40.500	0.00	0.03	0.048	0					1.23
40.583	0.00	0.03	0.048	0					1.23
40.667	0.00	0.03	0.048	0					1.22
40.750	0.00	0.03	0.048	0					1.22
40.833	0.00	0.03	0.047	0					1.22
40.917	0.00	0.03	0.047	0					1.21
41.000	0.00	0.03	0.047	0					1.21
41.083	0.00	0.03	0.047	0					1.20
41.167	0.00	0.03	0.046	0					1.20
41.250	0.00	0.03	0.046	0					1.20
41.333	0.00	0.03	0.046	0					1.19
41.417	0.00	0.03	0.046	0					1.19
41.500	0.00	0.03	0.046	0					1.19
41.583	0.00	0.03	0.045	0					1.18
41.667	0.00	0.03	0.045	0					1.18
41.750	0.00	0.03	0.045	0					1.18
41.833	0.00	0.03	0.045	0					1.17
41.917	0.00	0.03	0.045	0					1.17
42.000	0.00	0.03	0.044	0					1.16
42.083	0.00	0.03	0.044	0					1.16
42.167	0.00	0.03	0.044	0					1.16
42.250	0.00	0.03	0.044	0					1.15
42.333	0.00	0.03	0.044	0					1.15
42.417	0.00	0.03	0.043	0					1.15
42.500	0.00	0.03	0.043	0					1.14
42.583	0.00	0.03	0.043	0					1.14
42.667	0.00	0.03	0.043	0					1.14
42.750	0.00	0.03	0.043	0					1.13
42.833	0.00	0.03	0.042	0					1.13
42.917	0.00	0.03	0.042	0					1.13
43.000	0.00	0.03	0.042	0					1.12
43.083	0.00	0.03	0.042	0					1.12
43.167	0.00	0.03	0.042	0					1.11
43.250	0.00	0.03	0.041	0					1.11
43.333	0.00	0.03	0.041	0					1.11
43.417	0.00	0.03	0.041	0					1.10
43.500	0.00	0.03	0.041	0					1.10

43.583	0.00	0.03	0.041	0					1.10
43.667	0.00	0.03	0.040	0					1.09
43.750	0.00	0.03	0.040	0					1.09
43.833	0.00	0.03	0.040	0					1.09
43.917	0.00	0.03	0.040	0					1.08
44.000	0.00	0.03	0.040	0					1.08
44.083	0.00	0.03	0.039	0					1.08
44.167	0.00	0.03	0.039	0					1.07
44.250	0.00	0.03	0.039	0					1.07
44.333	0.00	0.03	0.039	0					1.07
44.417	0.00	0.03	0.039	0					1.06
44.500	0.00	0.03	0.038	0					1.06
44.583	0.00	0.03	0.038	0					1.06
44.667	0.00	0.03	0.038	0					1.05
44.750	0.00	0.03	0.038	0					1.05
44.833	0.00	0.03	0.038	0					1.04
44.917	0.00	0.03	0.037	0					1.04
45.000	0.00	0.03	0.037	0					1.04
45.083	0.00	0.03	0.037	0					1.03
45.167	0.00	0.03	0.037	0					1.03
45.250	0.00	0.03	0.037	0					1.03
45.333	0.00	0.03	0.036	0					1.02
45.417	0.00	0.03	0.036	0					1.02
45.500	0.00	0.03	0.036	0					1.02
45.583	0.00	0.03	0.036	0					1.01
45.667	0.00	0.03	0.036	0					1.01
45.750	0.00	0.03	0.035	0					1.01
45.833	0.00	0.03	0.035	0					1.00
45.917	0.00	0.03	0.035	0					1.00
46.000	0.00	0.03	0.035	0					1.00
46.083	0.00	0.03	0.035	0					0.99
46.167	0.00	0.03	0.034	0					0.99
46.250	0.00	0.03	0.034	0					0.98
46.333	0.00	0.03	0.034	0					0.97
46.417	0.00	0.03	0.034	0					0.97
46.500	0.00	0.03	0.034	0					0.96
46.583	0.00	0.03	0.034	0					0.96
46.667	0.00	0.03	0.033	0					0.95
46.750	0.00	0.03	0.033	0					0.95
46.833	0.00	0.03	0.033	0					0.94
46.917	0.00	0.03	0.033	0					0.94
47.000	0.00	0.03	0.033	0					0.93
47.083	0.00	0.03	0.032	0					0.93
47.167	0.00	0.03	0.032	0					0.92
47.250	0.00	0.03	0.032	0					0.92
47.333	0.00	0.03	0.032	0					0.91
47.417	0.00	0.03	0.032	0					0.91
47.500	0.00	0.03	0.032	0					0.91
47.583	0.00	0.03	0.031	0					0.90
47.667	0.00	0.03	0.031	0					0.90

47.750	0.00	0.03	0.031	0					0.89
47.833	0.00	0.03	0.031	0					0.89
47.917	0.00	0.03	0.031	0					0.88
48.000	0.00	0.02	0.030	0					0.88
48.083	0.00	0.02	0.030	0					0.87
48.167	0.00	0.02	0.030	0					0.87
48.250	0.00	0.02	0.030	0					0.86
48.333	0.00	0.02	0.030	0					0.86
48.417	0.00	0.02	0.030	0					0.85
48.500	0.00	0.02	0.029	0					0.85
48.583	0.00	0.02	0.029	0					0.84
48.667	0.00	0.02	0.029	0					0.84
48.750	0.00	0.02	0.029	0					0.84
48.833	0.00	0.02	0.029	0					0.83
48.917	0.00	0.02	0.029	0					0.83
49.000	0.00	0.02	0.028	0					0.82
49.083	0.00	0.02	0.028	0					0.82
49.167	0.00	0.02	0.028	0					0.81
49.250	0.00	0.02	0.028	0					0.81
49.333	0.00	0.02	0.028	0					0.80
49.417	0.00	0.02	0.028	0					0.80
49.500	0.00	0.02	0.028	0					0.80
49.583	0.00	0.02	0.027	0					0.79
49.667	0.00	0.02	0.027	0					0.79
49.750	0.00	0.02	0.027	0					0.78
49.833	0.00	0.02	0.027	0					0.78
49.917	0.00	0.02	0.027	0					0.77
50.000	0.00	0.02	0.027	0					0.77
50.083	0.00	0.02	0.026	0					0.77
50.167	0.00	0.02	0.026	0					0.76
50.250	0.00	0.02	0.026	0					0.76
50.333	0.00	0.02	0.026	0					0.75
50.417	0.00	0.02	0.026	0					0.75
50.500	0.00	0.02	0.026	0					0.75
50.583	0.00	0.02	0.026	0					0.74
50.667	0.00	0.02	0.025	0					0.74
50.750	0.00	0.02	0.025	0					0.73
50.833	0.00	0.02	0.025	0					0.73
50.917	0.00	0.02	0.025	0					0.72
51.000	0.00	0.02	0.025	0					0.72
51.083	0.00	0.02	0.025	0					0.72
51.167	0.00	0.02	0.024	0					0.71
51.250	0.00	0.02	0.024	0					0.71
51.333	0.00	0.02	0.024	0					0.71
51.417	0.00	0.02	0.024	0					0.70
51.500	0.00	0.02	0.024	0					0.70
51.583	0.00	0.02	0.024	0					0.69
51.667	0.00	0.02	0.024	0					0.69
51.750	0.00	0.02	0.023	0					0.69
51.833	0.00	0.02	0.023	0					0.68

51.917	0.00	0.02	0.023	0					0.68
52.000	0.00	0.02	0.023	0					0.67
52.083	0.00	0.02	0.023	0					0.67
52.167	0.00	0.02	0.023	0					0.67
52.250	0.00	0.02	0.023	0					0.66
52.333	0.00	0.02	0.023	0					0.66
52.417	0.00	0.02	0.022	0					0.66
52.500	0.00	0.02	0.022	0					0.65
52.583	0.00	0.02	0.022	0					0.65
52.667	0.00	0.02	0.022	0					0.64
52.750	0.00	0.02	0.022	0					0.64
52.833	0.00	0.02	0.022	0					0.64
52.917	0.00	0.02	0.022	0					0.63
53.000	0.00	0.02	0.021	0					0.63
53.083	0.00	0.02	0.021	0					0.63
53.167	0.00	0.02	0.021	0					0.62
53.250	0.00	0.02	0.021	0					0.62
53.333	0.00	0.02	0.021	0					0.62
53.417	0.00	0.02	0.021	0					0.61
53.500	0.00	0.02	0.021	0					0.61
53.583	0.00	0.02	0.021	0					0.61
53.667	0.00	0.02	0.020	0					0.60
53.750	0.00	0.02	0.020	0					0.60
53.833	0.00	0.02	0.020	0					0.60
53.917	0.00	0.02	0.020	0					0.59
54.000	0.00	0.02	0.020	0					0.59
54.083	0.00	0.02	0.020	0					0.59
54.167	0.00	0.02	0.020	0					0.58
54.250	0.00	0.02	0.020	0					0.58
54.333	0.00	0.02	0.019	0					0.58
54.417	0.00	0.02	0.019	0					0.57
54.500	0.00	0.02	0.019	0					0.57
54.583	0.00	0.02	0.019	0					0.57
54.667	0.00	0.02	0.019	0					0.56
54.750	0.00	0.02	0.019	0					0.56
54.833	0.00	0.02	0.019	0					0.56
54.917	0.00	0.02	0.019	0					0.55
55.000	0.00	0.02	0.018	0					0.55
55.083	0.00	0.02	0.018	0					0.55
55.167	0.00	0.02	0.018	0					0.54
55.250	0.00	0.02	0.018	0					0.54
55.333	0.00	0.02	0.018	0					0.54
55.417	0.00	0.02	0.018	0					0.53
55.500	0.00	0.02	0.018	0					0.53
55.583	0.00	0.02	0.018	0					0.53
55.667	0.00	0.02	0.018	0					0.52
55.750	0.00	0.02	0.017	0					0.52
55.833	0.00	0.02	0.017	0					0.52
55.917	0.00	0.02	0.017	0					0.52
56.000	0.00	0.02	0.017	0					0.51

56.083	0.00	0.02	0.017	0					0.51
56.167	0.00	0.02	0.017	0					0.51
56.250	0.00	0.02	0.017	0					0.50
56.333	0.00	0.02	0.017	0					0.50
56.417	0.00	0.02	0.017	0					0.50
56.500	0.00	0.02	0.016	0					0.49
56.583	0.00	0.02	0.016	0					0.49
56.667	0.00	0.02	0.016	0					0.49
56.750	0.00	0.02	0.016	0					0.49
56.833	0.00	0.02	0.016	0					0.48
56.917	0.00	0.02	0.016	0					0.48
57.000	0.00	0.02	0.016	0					0.48
57.083	0.00	0.02	0.016	0					0.47
57.167	0.00	0.02	0.016	0					0.47
57.250	0.00	0.02	0.016	0					0.47
57.333	0.00	0.01	0.015	0					0.47
57.417	0.00	0.01	0.015	0					0.46
57.500	0.00	0.01	0.015	0					0.46
57.583	0.00	0.01	0.015	0					0.46
57.667	0.00	0.01	0.015	0					0.45
57.750	0.00	0.01	0.015	0					0.45
57.833	0.00	0.01	0.015	0					0.45
57.917	0.00	0.01	0.015	0					0.45
58.000	0.00	0.01	0.015	0					0.44
58.083	0.00	0.01	0.015	0					0.44
58.167	0.00	0.01	0.014	0					0.44
58.250	0.00	0.01	0.014	0					0.44
58.333	0.00	0.01	0.014	0					0.43
58.417	0.00	0.01	0.014	0					0.43
58.500	0.00	0.01	0.014	0					0.43
58.583	0.00	0.01	0.014	0					0.43
58.667	0.00	0.01	0.014	0					0.42
58.750	0.00	0.01	0.014	0					0.42
58.833	0.00	0.01	0.014	0					0.42
58.917	0.00	0.01	0.014	0					0.41
59.000	0.00	0.01	0.013	0					0.41
59.083	0.00	0.01	0.013	0					0.41
59.167	0.00	0.01	0.013	0					0.41
59.250	0.00	0.01	0.013	0					0.40
59.333	0.00	0.01	0.013	0					0.40
59.417	0.00	0.01	0.013	0					0.40
59.500	0.00	0.01	0.013	0					0.40
59.583	0.00	0.01	0.013	0					0.39
59.667	0.00	0.01	0.013	0					0.39
59.750	0.00	0.01	0.013	0					0.39
59.833	0.00	0.01	0.013	0					0.39
59.917	0.00	0.01	0.012	0					0.38
60.000	0.00	0.01	0.012	0					0.38
60.083	0.00	0.01	0.012	0					0.38
60.167	0.00	0.01	0.012	0					0.38

60.250	0.00	0.01	0.012	0					0.37
60.333	0.00	0.01	0.012	0					0.37
60.417	0.00	0.01	0.012	0					0.37
60.500	0.00	0.01	0.012	0					0.37
60.583	0.00	0.01	0.012	0					0.37
60.667	0.00	0.01	0.012	0					0.36
60.750	0.00	0.01	0.012	0					0.36
60.833	0.00	0.01	0.011	0					0.36
60.917	0.00	0.01	0.011	0					0.36
61.000	0.00	0.01	0.011	0					0.35
61.083	0.00	0.01	0.011	0					0.35
61.167	0.00	0.01	0.011	0					0.35
61.250	0.00	0.01	0.011	0					0.35
61.333	0.00	0.01	0.011	0					0.34
61.417	0.00	0.01	0.011	0					0.34
61.500	0.00	0.01	0.011	0					0.34
61.583	0.00	0.01	0.011	0					0.34
61.667	0.00	0.01	0.011	0					0.34
61.750	0.00	0.01	0.011	0					0.33
61.833	0.00	0.01	0.010	0					0.33
61.917	0.00	0.01	0.010	0					0.33
62.000	0.00	0.01	0.010	0					0.33
62.083	0.00	0.01	0.010	0					0.32
62.167	0.00	0.01	0.010	0					0.32
62.250	0.00	0.01	0.010	0					0.32
62.333	0.00	0.01	0.010	0					0.32
62.417	0.00	0.01	0.010	0					0.32
62.500	0.00	0.01	0.010	0					0.31
62.583	0.00	0.01	0.010	0					0.31
62.667	0.00	0.01	0.010	0					0.31
62.750	0.00	0.01	0.010	0					0.31
62.833	0.00	0.01	0.010	0					0.31
62.917	0.00	0.01	0.009	0					0.30
63.000	0.00	0.01	0.009	0					0.30
63.083	0.00	0.01	0.009	0					0.30
63.167	0.00	0.01	0.009	0					0.30
63.250	0.00	0.01	0.009	0					0.30
63.333	0.00	0.01	0.009	0					0.29
63.417	0.00	0.01	0.009	0					0.29
63.500	0.00	0.01	0.009	0					0.29
63.583	0.00	0.01	0.009	0					0.29
63.667	0.00	0.01	0.009	0					0.29
63.750	0.00	0.01	0.009	0					0.28
63.833	0.00	0.01	0.009	0					0.28
63.917	0.00	0.01	0.009	0					0.28
64.000	0.00	0.01	0.009	0					0.28
64.083	0.00	0.01	0.008	0					0.28
64.167	0.00	0.01	0.008	0					0.27
64.250	0.00	0.01	0.008	0					0.27
64.333	0.00	0.01	0.008	0					0.27

64.417	0.00	0.01	0.008	0					0.27
64.500	0.00	0.01	0.008	0					0.27
64.583	0.00	0.01	0.008	0					0.26
64.667	0.00	0.01	0.008	0					0.26
64.750	0.00	0.01	0.008	0					0.26
64.833	0.00	0.01	0.008	0					0.26
64.917	0.00	0.01	0.008	0					0.26
65.000	0.00	0.01	0.008	0					0.26
65.083	0.00	0.01	0.008	0					0.25
65.167	0.00	0.01	0.008	0					0.25
65.250	0.00	0.01	0.007	0					0.25
65.333	0.00	0.01	0.007	0					0.25
65.417	0.00	0.01	0.007	0					0.25
65.500	0.00	0.01	0.007	0					0.24
65.583	0.00	0.01	0.007	0					0.24
65.667	0.00	0.01	0.007	0					0.24
65.750	0.00	0.01	0.007	0					0.24
65.833	0.00	0.01	0.007	0					0.24
65.917	0.00	0.01	0.007	0					0.24
66.000	0.00	0.01	0.007	0					0.23
66.083	0.00	0.01	0.007	0					0.23
66.167	0.00	0.01	0.007	0					0.23
66.250	0.00	0.01	0.007	0					0.23
66.333	0.00	0.01	0.007	0					0.23
66.417	0.00	0.01	0.007	0					0.23
66.500	0.00	0.01	0.007	0					0.22
66.583	0.00	0.01	0.006	0					0.22
66.667	0.00	0.01	0.006	0					0.22
66.750	0.00	0.01	0.006	0					0.22
66.833	0.00	0.01	0.006	0					0.22
66.917	0.00	0.01	0.006	0					0.22
67.000	0.00	0.01	0.006	0					0.21
67.083	0.00	0.01	0.006	0					0.21
67.167	0.00	0.01	0.006	0					0.21
67.250	0.00	0.01	0.006	0					0.21
67.333	0.00	0.01	0.006	0					0.21
67.417	0.00	0.01	0.006	0					0.21
67.500	0.00	0.01	0.006	0					0.20
67.583	0.00	0.01	0.006	0					0.20
67.667	0.00	0.01	0.006	0					0.20
67.750	0.00	0.01	0.006	0					0.20
67.833	0.00	0.01	0.006	0					0.20
67.917	0.00	0.01	0.006	0					0.20
68.000	0.00	0.01	0.005	0					0.19
68.083	0.00	0.01	0.005	0					0.19
68.167	0.00	0.01	0.005	0					0.19
68.250	0.00	0.01	0.005	0					0.19
68.333	0.00	0.01	0.005	0					0.19
68.417	0.00	0.01	0.005	0					0.19
68.500	0.00	0.01	0.005	0					0.18

68.583	0.00	0.01	0.005	0					0.18
68.667	0.00	0.01	0.005	0					0.18
68.750	0.00	0.01	0.005	0					0.18
68.833	0.00	0.01	0.005	0					0.18
68.917	0.00	0.01	0.005	0					0.18
69.000	0.00	0.01	0.005	0					0.18
69.083	0.00	0.01	0.005	0					0.17
69.167	0.00	0.01	0.005	0					0.17
69.250	0.00	0.01	0.005	0					0.17
69.333	0.00	0.01	0.005	0					0.17
69.417	0.00	0.01	0.005	0					0.17
69.500	0.00	0.01	0.004	0					0.17
69.583	0.00	0.01	0.004	0					0.17
69.667	0.00	0.01	0.004	0					0.16
69.750	0.00	0.01	0.004	0					0.16
69.833	0.00	0.01	0.004	0					0.16
69.917	0.00	0.01	0.004	0					0.16
70.000	0.00	0.01	0.004	0					0.16
70.083	0.00	0.01	0.004	0					0.16
70.167	0.00	0.01	0.004	0					0.16
70.250	0.00	0.01	0.004	0					0.15
70.333	0.00	0.01	0.004	0					0.15
70.417	0.00	0.01	0.004	0					0.15
70.500	0.00	0.01	0.004	0					0.15
70.583	0.00	0.01	0.004	0					0.15
70.667	0.00	0.01	0.004	0					0.15
70.750	0.00	0.01	0.004	0					0.15
70.833	0.00	0.01	0.004	0					0.15
70.917	0.00	0.01	0.004	0					0.14
71.000	0.00	0.01	0.004	0					0.14
71.083	0.00	0.01	0.004	0					0.14
71.167	0.00	0.01	0.003	0					0.14
71.250	0.00	0.01	0.003	0					0.14
71.333	0.00	0.01	0.003	0					0.14
71.417	0.00	0.01	0.003	0					0.14
71.500	0.00	0.01	0.003	0					0.13
71.583	0.00	0.01	0.003	0					0.13
71.667	0.00	0.01	0.003	0					0.13
71.750	0.00	0.01	0.003	0					0.13
71.833	0.00	0.01	0.003	0					0.13
71.917	0.00	0.01	0.003	0					0.13
72.000	0.00	0.01	0.003	0					0.13
72.083	0.00	0.01	0.003	0					0.13
72.167	0.00	0.01	0.003	0					0.12
72.250	0.00	0.01	0.003	0					0.12
72.333	0.00	0.01	0.003	0					0.12
72.417	0.00	0.01	0.003	0					0.12
72.500	0.00	0.01	0.003	0					0.12
72.583	0.00	0.01	0.003	0					0.12
72.667	0.00	0.01	0.003	0					0.12

72.750	0.00	0.01	0.003	0					0.12
72.833	0.00	0.01	0.003	0					0.11
72.917	0.00	0.01	0.002	0					0.11
73.000	0.00	0.01	0.002	0					0.11
73.083	0.00	0.01	0.002	0					0.11
73.167	0.00	0.01	0.002	0					0.11
73.250	0.00	0.01	0.002	0					0.11
73.333	0.00	0.01	0.002	0					0.11
73.417	0.00	0.01	0.002	0					0.11
73.500	0.00	0.01	0.002	0					0.11
73.583	0.00	0.01	0.002	0					0.10
73.667	0.00	0.01	0.002	0					0.10
73.750	0.00	0.01	0.002	0					0.10
73.833	0.00	0.01	0.002	0					0.10
73.917	0.00	0.01	0.002	0					0.10
74.000	0.00	0.01	0.002	0					0.10
74.083	0.00	0.01	0.002	0					0.10
74.167	0.00	0.01	0.002	0					0.09
74.250	0.00	0.01	0.002	0					0.09
74.333	0.00	0.01	0.002	0					0.09
74.417	0.00	0.01	0.002	0					0.09
74.500	0.00	0.01	0.002	0					0.09
74.583	0.00	0.01	0.002	0					0.08
74.667	0.00	0.00	0.002	0					0.08
74.750	0.00	0.00	0.002	0					0.08
74.833	0.00	0.00	0.002	0					0.08
74.917	0.00	0.00	0.002	0					0.08
75.000	0.00	0.00	0.002	0					0.08
75.083	0.00	0.00	0.001	0					0.07
75.167	0.00	0.00	0.001	0					0.07
75.250	0.00	0.00	0.001	0					0.07
75.333	0.00	0.00	0.001	0					0.07
75.417	0.00	0.00	0.001	0					0.07
75.500	0.00	0.00	0.001	0					0.07
75.583	0.00	0.00	0.001	0					0.07
75.667	0.00	0.00	0.001	0					0.06
75.750	0.00	0.00	0.001	0					0.06
75.833	0.00	0.00	0.001	0					0.06
75.917	0.00	0.00	0.001	0					0.06
76.000	0.00	0.00	0.001	0					0.06
76.083	0.00	0.00	0.001	0					0.06
76.167	0.00	0.00	0.001	0					0.06
76.250	0.00	0.00	0.001	0					0.06
76.333	0.00	0.00	0.001	0					0.05
76.417	0.00	0.00	0.001	0					0.05
76.500	0.00	0.00	0.001	0					0.05
76.583	0.00	0.00	0.001	0					0.05
76.667	0.00	0.00	0.001	0					0.05
76.750	0.00	0.00	0.001	0					0.05
76.833	0.00	0.00	0.001	0					0.05

76.917	0.00	0.00	0.001	0					0.05
77.000	0.00	0.00	0.001	0					0.05
77.083	0.00	0.00	0.001	0					0.05
77.167	0.00	0.00	0.001	0					0.04
77.250	0.00	0.00	0.001	0					0.04
77.333	0.00	0.00	0.001	0					0.04
77.417	0.00	0.00	0.001	0					0.04
77.500	0.00	0.00	0.001	0					0.04
77.583	0.00	0.00	0.001	0					0.04
77.667	0.00	0.00	0.001	0					0.04
77.750	0.00	0.00	0.001	0					0.04
77.833	0.00	0.00	0.001	0					0.04
77.917	0.00	0.00	0.001	0					0.04
78.000	0.00	0.00	0.001	0					0.04
78.083	0.00	0.00	0.001	0					0.04
78.167	0.00	0.00	0.001	0					0.03
78.250	0.00	0.00	0.001	0					0.03
78.333	0.00	0.00	0.001	0					0.03
78.417	0.00	0.00	0.001	0					0.03
78.500	0.00	0.00	0.001	0					0.03
78.583	0.00	0.00	0.001	0					0.03
78.667	0.00	0.00	0.001	0					0.03
78.750	0.00	0.00	0.001	0					0.03
78.833	0.00	0.00	0.001	0					0.03
78.917	0.00	0.00	0.001	0					0.03
79.000	0.00	0.00	0.001	0					0.03
79.083	0.00	0.00	0.001	0					0.03
79.167	0.00	0.00	0.001	0					0.03
79.250	0.00	0.00	0.001	0					0.03
79.333	0.00	0.00	0.001	0					0.03
79.417	0.00	0.00	0.001	0					0.03
79.500	0.00	0.00	0.000	0					0.02
79.583	0.00	0.00	0.000	0					0.02
79.667	0.00	0.00	0.000	0					0.02
79.750	0.00	0.00	0.000	0					0.02
79.833	0.00	0.00	0.000	0					0.02
79.917	0.00	0.00	0.000	0					0.02
80.000	0.00	0.00	0.000	0					0.02
80.083	0.00	0.00	0.000	0					0.02
80.167	0.00	0.00	0.000	0					0.02
80.250	0.00	0.00	0.000	0					0.02
80.333	0.00	0.00	0.000	0					0.02
80.417	0.00	0.00	0.000	0					0.02
80.500	0.00	0.00	0.000	0					0.02
80.583	0.00	0.00	0.000	0					0.02
80.667	0.00	0.00	0.000	0					0.02
80.750	0.00	0.00	0.000	0					0.02
80.833	0.00	0.00	0.000	0					0.02
80.917	0.00	0.00	0.000	0					0.02
81.000	0.00	0.00	0.000	0					0.02

81.083	0.00	0.00	0.000	0					0.02
81.167	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 974

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.048 (CFS)

Total volume = 0.174 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
2 yr
3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da432.rte
*****HYDROGRAPH DATA*****
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.639 (CFS)
Total volume = 0.128 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.82	1.23	1.64	Depth (Ft.)
0.083	0.15	0.00	0.001	0 I					0.03
0.167	0.22	0.01	0.002	0 I					0.09
0.250	0.21	0.01	0.003	0 I					0.13
0.333	0.24	0.01	0.005	0 I					0.17
0.417	0.27	0.01	0.006	0 I					0.22
0.500	0.30	0.01	0.008	0 I					0.27
0.583	0.29	0.01	0.010	0 I					0.33
0.667	0.30	0.01	0.012	0 I					0.38
0.750	0.32	0.01	0.014	0 I					0.43
0.833	0.29	0.02	0.016	0 I					0.49
0.917	0.28	0.02	0.018	0 I					0.54
1.000	0.31	0.02	0.020	0 I					0.59
1.083	0.37	0.02	0.022	0 I					0.65
1.167	0.39	0.02	0.025	0 I					0.72
1.250	0.39	0.02	0.027	0 I					0.79
1.333	0.37	0.02	0.030	0 I					0.85
1.417	0.43	0.03	0.032	0 I					0.92
1.500	0.47	0.03	0.035	0 I					1.00
1.583	0.45	0.03	0.038	0 I					1.05
1.667	0.46	0.03	0.041	0 I					1.11
1.750	0.55	0.03	0.044	0 I					1.16
1.833	0.56	0.03	0.048	0 I					1.23

1.917	0.53	0.03	0.052	0		I					1.29
2.000	0.53	0.03	0.055	0		I					1.35
2.083	0.55	0.03	0.058	0		I					1.41
2.167	0.68	0.03	0.062	0			I				1.48
2.250	0.87	0.03	0.068	0				I			1.57
2.333	0.74	0.04	0.073	0			I				1.66
2.417	1.12	0.04	0.079	0				I			1.77
2.500	1.44	0.04	0.088	0					I		1.92
2.583	1.64	0.04	0.098	0						I	2.09
2.667	1.36	0.04	0.108	0					I		2.23
2.750	0.67	0.04	0.115	0		I					2.33
2.833	0.36	0.04	0.118	0		I					2.38
2.917	0.32	0.04	0.120	0	I						2.41
3.000	0.18	0.04	0.121	0	I						2.43
3.083	0.05	0.04	0.122	0							2.44
3.167	0.00	0.04	0.122	0							2.44
3.250	0.00	0.04	0.121	0							2.43
3.333	0.00	0.04	0.121	0							2.43
3.417	0.00	0.04	0.121	0							2.42
3.500	0.00	0.04	0.121	0							2.42
3.583	0.00	0.04	0.120	0							2.42
3.667	0.00	0.04	0.120	0							2.41
3.750	0.00	0.04	0.120	0							2.41
3.833	0.00	0.04	0.119	0							2.40
3.917	0.00	0.04	0.119	0							2.40
4.000	0.00	0.04	0.119	0							2.39
4.083	0.00	0.04	0.119	0							2.39
4.167	0.00	0.04	0.118	0							2.39
4.250	0.00	0.04	0.118	0							2.38
4.333	0.00	0.04	0.118	0							2.38
4.417	0.00	0.04	0.117	0							2.37
4.500	0.00	0.04	0.117	0							2.37
4.583	0.00	0.04	0.117	0							2.36
4.667	0.00	0.04	0.116	0							2.36
4.750	0.00	0.04	0.116	0							2.36
4.833	0.00	0.04	0.116	0							2.35
4.917	0.00	0.04	0.116	0							2.35
5.000	0.00	0.04	0.115	0							2.34
5.083	0.00	0.04	0.115	0							2.34
5.167	0.00	0.04	0.115	0							2.33
5.250	0.00	0.04	0.114	0							2.33
5.333	0.00	0.04	0.114	0							2.33
5.417	0.00	0.04	0.114	0							2.32
5.500	0.00	0.04	0.114	0							2.32
5.583	0.00	0.04	0.113	0							2.31
5.667	0.00	0.04	0.113	0							2.31
5.750	0.00	0.04	0.113	0							2.30
5.833	0.00	0.04	0.112	0							2.30
5.917	0.00	0.04	0.112	0							2.30
6.000	0.00	0.04	0.112	0							2.29

6.083	0.00	0.04	0.112	0					2.29
6.167	0.00	0.04	0.111	0					2.28
6.250	0.00	0.04	0.111	0					2.28
6.333	0.00	0.04	0.111	0					2.27
6.417	0.00	0.04	0.110	0					2.27
6.500	0.00	0.04	0.110	0					2.27
6.583	0.00	0.04	0.110	0					2.26
6.667	0.00	0.04	0.110	0					2.26
6.750	0.00	0.04	0.109	0					2.25
6.833	0.00	0.04	0.109	0					2.25
6.917	0.00	0.04	0.109	0					2.25
7.000	0.00	0.04	0.108	0					2.24
7.083	0.00	0.04	0.108	0					2.24
7.167	0.00	0.04	0.108	0					2.23
7.250	0.00	0.04	0.108	0					2.23
7.333	0.00	0.04	0.107	0					2.22
7.417	0.00	0.04	0.107	0					2.22
7.500	0.00	0.04	0.107	0					2.22
7.583	0.00	0.04	0.106	0					2.21
7.667	0.00	0.04	0.106	0					2.21
7.750	0.00	0.04	0.106	0					2.20
7.833	0.00	0.04	0.106	0					2.20
7.917	0.00	0.04	0.105	0					2.20
8.000	0.00	0.04	0.105	0					2.19
8.083	0.00	0.04	0.105	0					2.19
8.167	0.00	0.04	0.104	0					2.18
8.250	0.00	0.04	0.104	0					2.18
8.333	0.00	0.04	0.104	0					2.18
8.417	0.00	0.04	0.104	0					2.17
8.500	0.00	0.04	0.103	0					2.17
8.583	0.00	0.04	0.103	0					2.16
8.667	0.00	0.04	0.103	0					2.16
8.750	0.00	0.04	0.103	0					2.15
8.833	0.00	0.04	0.102	0					2.15
8.917	0.00	0.04	0.102	0					2.15
9.000	0.00	0.04	0.102	0					2.14
9.083	0.00	0.04	0.101	0					2.14
9.167	0.00	0.04	0.101	0					2.13
9.250	0.00	0.04	0.101	0					2.13
9.333	0.00	0.04	0.101	0					2.13
9.417	0.00	0.04	0.100	0					2.12
9.500	0.00	0.04	0.100	0					2.12
9.583	0.00	0.04	0.100	0					2.11
9.667	0.00	0.04	0.099	0					2.11
9.750	0.00	0.04	0.099	0					2.11
9.833	0.00	0.04	0.099	0					2.10
9.917	0.00	0.04	0.099	0					2.10
10.000	0.00	0.04	0.098	0					2.09
10.083	0.00	0.04	0.098	0					2.09
10.167	0.00	0.04	0.098	0					2.09

10.250	0.00	0.04	0.098	0					2.08
10.333	0.00	0.04	0.097	0					2.08
10.417	0.00	0.04	0.097	0					2.07
10.500	0.00	0.04	0.097	0					2.07
10.583	0.00	0.04	0.096	0					2.07
10.667	0.00	0.04	0.096	0					2.06
10.750	0.00	0.04	0.096	0					2.06
10.833	0.00	0.04	0.096	0					2.05
10.917	0.00	0.04	0.095	0					2.05
11.000	0.00	0.04	0.095	0					2.05
11.083	0.00	0.04	0.095	0					2.04
11.167	0.00	0.04	0.095	0					2.04
11.250	0.00	0.04	0.094	0					2.03
11.333	0.00	0.04	0.094	0					2.03
11.417	0.00	0.04	0.094	0					2.03
11.500	0.00	0.04	0.093	0					2.02
11.583	0.00	0.04	0.093	0					2.02
11.667	0.00	0.04	0.093	0					2.01
11.750	0.00	0.04	0.093	0					2.01
11.833	0.00	0.04	0.092	0					2.01
11.917	0.00	0.04	0.092	0					2.00
12.000	0.00	0.04	0.092	0					2.00
12.083	0.00	0.04	0.092	0					1.99
12.167	0.00	0.04	0.091	0					1.99
12.250	0.00	0.04	0.091	0					1.98
12.333	0.00	0.04	0.091	0					1.98
12.417	0.00	0.04	0.091	0					1.97
12.500	0.00	0.04	0.090	0					1.97
12.583	0.00	0.04	0.090	0					1.96
12.667	0.00	0.04	0.090	0					1.96
12.750	0.00	0.04	0.089	0					1.96
12.833	0.00	0.04	0.089	0					1.95
12.917	0.00	0.04	0.089	0					1.95
13.000	0.00	0.04	0.089	0					1.94
13.083	0.00	0.04	0.088	0					1.94
13.167	0.00	0.04	0.088	0					1.93
13.250	0.00	0.04	0.088	0					1.93
13.333	0.00	0.04	0.088	0					1.92
13.417	0.00	0.04	0.087	0					1.92
13.500	0.00	0.04	0.087	0					1.91
13.583	0.00	0.04	0.087	0					1.91
13.667	0.00	0.04	0.087	0					1.90
13.750	0.00	0.04	0.086	0					1.90
13.833	0.00	0.04	0.086	0					1.90
13.917	0.00	0.04	0.086	0					1.89
14.000	0.00	0.04	0.086	0					1.89
14.083	0.00	0.04	0.085	0					1.88
14.167	0.00	0.04	0.085	0					1.88
14.250	0.00	0.04	0.085	0					1.87
14.333	0.00	0.04	0.084	0					1.87

14.417	0.00	0.04	0.084	0					1.86
14.500	0.00	0.04	0.084	0					1.86
14.583	0.00	0.04	0.084	0					1.85
14.667	0.00	0.04	0.083	0					1.85
14.750	0.00	0.04	0.083	0					1.85
14.833	0.00	0.04	0.083	0					1.84
14.917	0.00	0.04	0.083	0					1.84
15.000	0.00	0.04	0.082	0					1.83
15.083	0.00	0.04	0.082	0					1.83
15.167	0.00	0.04	0.082	0					1.82
15.250	0.00	0.04	0.082	0					1.82
15.333	0.00	0.04	0.081	0					1.81
15.417	0.00	0.04	0.081	0					1.81
15.500	0.00	0.04	0.081	0					1.81
15.583	0.00	0.04	0.081	0					1.80
15.667	0.00	0.04	0.080	0					1.80
15.750	0.00	0.04	0.080	0					1.79
15.833	0.00	0.04	0.080	0					1.79
15.917	0.00	0.04	0.080	0					1.78
16.000	0.00	0.04	0.079	0					1.78
16.083	0.00	0.04	0.079	0					1.77
16.167	0.00	0.04	0.079	0					1.77
16.250	0.00	0.04	0.079	0					1.77
16.333	0.00	0.04	0.078	0					1.76
16.417	0.00	0.04	0.078	0					1.76
16.500	0.00	0.04	0.078	0					1.75
16.583	0.00	0.04	0.078	0					1.75
16.667	0.00	0.04	0.077	0					1.74
16.750	0.00	0.04	0.077	0					1.74
16.833	0.00	0.04	0.077	0					1.73
16.917	0.00	0.04	0.077	0					1.73
17.000	0.00	0.04	0.076	0					1.73
17.083	0.00	0.04	0.076	0					1.72
17.167	0.00	0.04	0.076	0					1.72
17.250	0.00	0.04	0.076	0					1.71
17.333	0.00	0.04	0.075	0					1.71
17.417	0.00	0.04	0.075	0					1.70
17.500	0.00	0.04	0.075	0					1.70
17.583	0.00	0.04	0.075	0					1.70
17.667	0.00	0.04	0.074	0					1.69
17.750	0.00	0.04	0.074	0					1.69
17.833	0.00	0.04	0.074	0					1.68
17.917	0.00	0.04	0.074	0					1.68
18.000	0.00	0.04	0.073	0					1.67
18.083	0.00	0.04	0.073	0					1.67
18.167	0.00	0.04	0.073	0					1.67
18.250	0.00	0.04	0.073	0					1.66
18.333	0.00	0.04	0.072	0					1.66
18.417	0.00	0.04	0.072	0					1.65
18.500	0.00	0.04	0.072	0					1.65

18.583	0.00	0.04	0.072	0					1.64
18.667	0.00	0.04	0.071	0					1.64
18.750	0.00	0.03	0.071	0					1.64
18.833	0.00	0.03	0.071	0					1.63
18.917	0.00	0.03	0.071	0					1.63
19.000	0.00	0.03	0.071	0					1.62
19.083	0.00	0.03	0.070	0					1.62
19.167	0.00	0.03	0.070	0					1.61
19.250	0.00	0.03	0.070	0					1.61
19.333	0.00	0.03	0.070	0					1.61
19.417	0.00	0.03	0.069	0					1.60
19.500	0.00	0.03	0.069	0					1.60
19.583	0.00	0.03	0.069	0					1.59
19.667	0.00	0.03	0.069	0					1.59
19.750	0.00	0.03	0.068	0					1.59
19.833	0.00	0.03	0.068	0					1.58
19.917	0.00	0.03	0.068	0					1.58
20.000	0.00	0.03	0.068	0					1.57
20.083	0.00	0.03	0.067	0					1.57
20.167	0.00	0.03	0.067	0					1.56
20.250	0.00	0.03	0.067	0					1.56
20.333	0.00	0.03	0.067	0					1.56
20.417	0.00	0.03	0.066	0					1.55
20.500	0.00	0.03	0.066	0					1.55
20.583	0.00	0.03	0.066	0					1.54
20.667	0.00	0.03	0.066	0					1.54
20.750	0.00	0.03	0.066	0					1.54
20.833	0.00	0.03	0.065	0					1.53
20.917	0.00	0.03	0.065	0					1.53
21.000	0.00	0.03	0.065	0					1.52
21.083	0.00	0.03	0.065	0					1.52
21.167	0.00	0.03	0.064	0					1.52
21.250	0.00	0.03	0.064	0					1.51
21.333	0.00	0.03	0.064	0					1.51
21.417	0.00	0.03	0.064	0					1.50
21.500	0.00	0.03	0.063	0					1.50
21.583	0.00	0.03	0.063	0					1.50
21.667	0.00	0.03	0.063	0					1.49
21.750	0.00	0.03	0.063	0					1.49
21.833	0.00	0.03	0.063	0					1.48
21.917	0.00	0.03	0.062	0					1.48
22.000	0.00	0.03	0.062	0					1.48
22.083	0.00	0.03	0.062	0					1.47
22.167	0.00	0.03	0.062	0					1.47
22.250	0.00	0.03	0.061	0					1.46
22.333	0.00	0.03	0.061	0					1.46
22.417	0.00	0.03	0.061	0					1.46
22.500	0.00	0.03	0.061	0					1.45
22.583	0.00	0.03	0.060	0					1.45
22.667	0.00	0.03	0.060	0					1.44

22.750	0.00	0.03	0.060	0					1.44
22.833	0.00	0.03	0.060	0					1.44
22.917	0.00	0.03	0.060	0					1.43
23.000	0.00	0.03	0.059	0					1.43
23.083	0.00	0.03	0.059	0					1.42
23.167	0.00	0.03	0.059	0					1.42
23.250	0.00	0.03	0.059	0					1.42
23.333	0.00	0.03	0.058	0					1.41
23.417	0.00	0.03	0.058	0					1.41
23.500	0.00	0.03	0.058	0					1.40
23.583	0.00	0.03	0.058	0					1.40
23.667	0.00	0.03	0.058	0					1.40
23.750	0.00	0.03	0.057	0					1.39
23.833	0.00	0.03	0.057	0					1.39
23.917	0.00	0.03	0.057	0					1.38
24.000	0.00	0.03	0.057	0					1.38
24.083	0.00	0.03	0.056	0					1.38
24.167	0.00	0.03	0.056	0					1.37
24.250	0.00	0.03	0.056	0					1.37
24.333	0.00	0.03	0.056	0					1.36
24.417	0.00	0.03	0.056	0					1.36
24.500	0.00	0.03	0.055	0					1.36
24.583	0.00	0.03	0.055	0					1.35
24.667	0.00	0.03	0.055	0					1.35
24.750	0.00	0.03	0.055	0					1.35
24.833	0.00	0.03	0.054	0					1.34
24.917	0.00	0.03	0.054	0					1.34
25.000	0.00	0.03	0.054	0					1.33
25.083	0.00	0.03	0.054	0					1.33
25.167	0.00	0.03	0.054	0					1.33
25.250	0.00	0.03	0.053	0					1.32
25.333	0.00	0.03	0.053	0					1.32
25.417	0.00	0.03	0.053	0					1.32
25.500	0.00	0.03	0.053	0					1.31
25.583	0.00	0.03	0.053	0					1.31
25.667	0.00	0.03	0.052	0					1.30
25.750	0.00	0.03	0.052	0					1.30
25.833	0.00	0.03	0.052	0					1.30
25.917	0.00	0.03	0.052	0					1.29
26.000	0.00	0.03	0.051	0					1.29
26.083	0.00	0.03	0.051	0					1.28
26.167	0.00	0.03	0.051	0					1.28
26.250	0.00	0.03	0.051	0					1.28
26.333	0.00	0.03	0.051	0					1.27
26.417	0.00	0.03	0.050	0					1.27
26.500	0.00	0.03	0.050	0					1.27
26.583	0.00	0.03	0.050	0					1.26
26.667	0.00	0.03	0.050	0					1.26
26.750	0.00	0.03	0.050	0					1.25
26.833	0.00	0.03	0.049	0					1.25

26.917	0.00	0.03	0.049	0					1.25
27.000	0.00	0.03	0.049	0					1.24
27.083	0.00	0.03	0.049	0					1.24
27.167	0.00	0.03	0.048	0					1.24
27.250	0.00	0.03	0.048	0					1.23
27.333	0.00	0.03	0.048	0					1.23
27.417	0.00	0.03	0.048	0					1.23
27.500	0.00	0.03	0.048	0					1.22
27.583	0.00	0.03	0.047	0					1.22
27.667	0.00	0.03	0.047	0					1.21
27.750	0.00	0.03	0.047	0					1.21
27.833	0.00	0.03	0.047	0					1.21
27.917	0.00	0.03	0.047	0					1.20
28.000	0.00	0.03	0.046	0					1.20
28.083	0.00	0.03	0.046	0					1.20
28.167	0.00	0.03	0.046	0					1.19
28.250	0.00	0.03	0.046	0					1.19
28.333	0.00	0.03	0.046	0					1.19
28.417	0.00	0.03	0.045	0					1.18
28.500	0.00	0.03	0.045	0					1.18
28.583	0.00	0.03	0.045	0					1.17
28.667	0.00	0.03	0.045	0					1.17
28.750	0.00	0.03	0.045	0					1.17
28.833	0.00	0.03	0.044	0					1.16
28.917	0.00	0.03	0.044	0					1.16
29.000	0.00	0.03	0.044	0					1.16
29.083	0.00	0.03	0.044	0					1.15
29.167	0.00	0.03	0.043	0					1.15
29.250	0.00	0.03	0.043	0					1.15
29.333	0.00	0.03	0.043	0					1.14
29.417	0.00	0.03	0.043	0					1.14
29.500	0.00	0.03	0.043	0					1.13
29.583	0.00	0.03	0.042	0					1.13
29.667	0.00	0.03	0.042	0					1.13
29.750	0.00	0.03	0.042	0					1.12
29.833	0.00	0.03	0.042	0					1.12
29.917	0.00	0.03	0.042	0					1.12
30.000	0.00	0.03	0.041	0					1.11
30.083	0.00	0.03	0.041	0					1.11
30.167	0.00	0.03	0.041	0					1.11
30.250	0.00	0.03	0.041	0					1.10
30.333	0.00	0.03	0.041	0					1.10
30.417	0.00	0.03	0.040	0					1.10
30.500	0.00	0.03	0.040	0					1.09
30.583	0.00	0.03	0.040	0					1.09
30.667	0.00	0.03	0.040	0					1.09
30.750	0.00	0.03	0.040	0					1.08
30.833	0.00	0.03	0.039	0					1.08
30.917	0.00	0.03	0.039	0					1.07
31.000	0.00	0.03	0.039	0					1.07

31.083	0.00	0.03	0.039	0					1.07
31.167	0.00	0.03	0.039	0					1.06
31.250	0.00	0.03	0.038	0					1.06
31.333	0.00	0.03	0.038	0					1.06
31.417	0.00	0.03	0.038	0					1.05
31.500	0.00	0.03	0.038	0					1.05
31.583	0.00	0.03	0.038	0					1.05
31.667	0.00	0.03	0.037	0					1.04
31.750	0.00	0.03	0.037	0					1.04
31.833	0.00	0.03	0.037	0					1.04
31.917	0.00	0.03	0.037	0					1.03
32.000	0.00	0.03	0.037	0					1.03
32.083	0.00	0.03	0.037	0					1.03
32.167	0.00	0.03	0.036	0					1.02
32.250	0.00	0.03	0.036	0					1.02
32.333	0.00	0.03	0.036	0					1.02
32.417	0.00	0.03	0.036	0					1.01
32.500	0.00	0.03	0.036	0					1.01
32.583	0.00	0.03	0.035	0					1.01
32.667	0.00	0.03	0.035	0					1.00
32.750	0.00	0.03	0.035	0					1.00
32.833	0.00	0.03	0.035	0					0.99
32.917	0.00	0.03	0.035	0					0.99
33.000	0.00	0.03	0.034	0					0.98
33.083	0.00	0.03	0.034	0					0.98
33.167	0.00	0.03	0.034	0					0.97
33.250	0.00	0.03	0.034	0					0.97
33.333	0.00	0.03	0.034	0					0.96
33.417	0.00	0.03	0.033	0					0.96
33.500	0.00	0.03	0.033	0					0.95
33.583	0.00	0.03	0.033	0					0.95
33.667	0.00	0.03	0.033	0					0.94
33.750	0.00	0.03	0.033	0					0.94
33.833	0.00	0.03	0.033	0					0.93
33.917	0.00	0.03	0.032	0					0.93
34.000	0.00	0.03	0.032	0					0.92
34.083	0.00	0.03	0.032	0					0.92
34.167	0.00	0.03	0.032	0					0.91
34.250	0.00	0.03	0.032	0					0.91
34.333	0.00	0.03	0.031	0					0.90
34.417	0.00	0.03	0.031	0					0.90
34.500	0.00	0.03	0.031	0					0.89
34.583	0.00	0.03	0.031	0					0.89
34.667	0.00	0.03	0.031	0					0.88
34.750	0.00	0.03	0.031	0					0.88
34.833	0.00	0.02	0.030	0					0.87
34.917	0.00	0.02	0.030	0					0.87
35.000	0.00	0.02	0.030	0					0.87
35.083	0.00	0.02	0.030	0					0.86
35.167	0.00	0.02	0.030	0					0.86

35.250	0.00	0.02	0.030	0					0.85
35.333	0.00	0.02	0.029	0					0.85
35.417	0.00	0.02	0.029	0					0.84
35.500	0.00	0.02	0.029	0					0.84
35.583	0.00	0.02	0.029	0					0.83
35.667	0.00	0.02	0.029	0					0.83
35.750	0.00	0.02	0.029	0					0.82
35.833	0.00	0.02	0.028	0					0.82
35.917	0.00	0.02	0.028	0					0.82
36.000	0.00	0.02	0.028	0					0.81
36.083	0.00	0.02	0.028	0					0.81
36.167	0.00	0.02	0.028	0					0.80
36.250	0.00	0.02	0.028	0					0.80
36.333	0.00	0.02	0.027	0					0.79
36.417	0.00	0.02	0.027	0					0.79
36.500	0.00	0.02	0.027	0					0.79
36.583	0.00	0.02	0.027	0					0.78
36.667	0.00	0.02	0.027	0					0.78
36.750	0.00	0.02	0.027	0					0.77
36.833	0.00	0.02	0.027	0					0.77
36.917	0.00	0.02	0.026	0					0.76
37.000	0.00	0.02	0.026	0					0.76
37.083	0.00	0.02	0.026	0					0.76
37.167	0.00	0.02	0.026	0					0.75
37.250	0.00	0.02	0.026	0					0.75
37.333	0.00	0.02	0.026	0					0.74
37.417	0.00	0.02	0.025	0					0.74
37.500	0.00	0.02	0.025	0					0.74
37.583	0.00	0.02	0.025	0					0.73
37.667	0.00	0.02	0.025	0					0.73
37.750	0.00	0.02	0.025	0					0.72
37.833	0.00	0.02	0.025	0					0.72
37.917	0.00	0.02	0.025	0					0.72
38.000	0.00	0.02	0.024	0					0.71
38.083	0.00	0.02	0.024	0					0.71
38.167	0.00	0.02	0.024	0					0.70
38.250	0.00	0.02	0.024	0					0.70
38.333	0.00	0.02	0.024	0					0.70
38.417	0.00	0.02	0.024	0					0.69
38.500	0.00	0.02	0.024	0					0.69
38.583	0.00	0.02	0.023	0					0.68
38.667	0.00	0.02	0.023	0					0.68
38.750	0.00	0.02	0.023	0					0.68
38.833	0.00	0.02	0.023	0					0.67
38.917	0.00	0.02	0.023	0					0.67
39.000	0.00	0.02	0.023	0					0.67
39.083	0.00	0.02	0.023	0					0.66
39.167	0.00	0.02	0.022	0					0.66
39.250	0.00	0.02	0.022	0					0.65
39.333	0.00	0.02	0.022	0					0.65

39.417	0.00	0.02	0.022	0					0.65
39.500	0.00	0.02	0.022	0					0.64
39.583	0.00	0.02	0.022	0					0.64
39.667	0.00	0.02	0.022	0					0.64
39.750	0.00	0.02	0.022	0					0.63
39.833	0.00	0.02	0.021	0					0.63
39.917	0.00	0.02	0.021	0					0.63
40.000	0.00	0.02	0.021	0					0.62
40.083	0.00	0.02	0.021	0					0.62
40.167	0.00	0.02	0.021	0					0.62
40.250	0.00	0.02	0.021	0					0.61
40.333	0.00	0.02	0.021	0					0.61
40.417	0.00	0.02	0.021	0					0.60
40.500	0.00	0.02	0.020	0					0.60
40.583	0.00	0.02	0.020	0					0.60
40.667	0.00	0.02	0.020	0					0.59
40.750	0.00	0.02	0.020	0					0.59
40.833	0.00	0.02	0.020	0					0.59
40.917	0.00	0.02	0.020	0					0.58
41.000	0.00	0.02	0.020	0					0.58
41.083	0.00	0.02	0.020	0					0.58
41.167	0.00	0.02	0.019	0					0.57
41.250	0.00	0.02	0.019	0					0.57
41.333	0.00	0.02	0.019	0					0.57
41.417	0.00	0.02	0.019	0					0.56
41.500	0.00	0.02	0.019	0					0.56
41.583	0.00	0.02	0.019	0					0.56
41.667	0.00	0.02	0.019	0					0.55
41.750	0.00	0.02	0.019	0					0.55
41.833	0.00	0.02	0.018	0					0.55
41.917	0.00	0.02	0.018	0					0.55
42.000	0.00	0.02	0.018	0					0.54
42.083	0.00	0.02	0.018	0					0.54
42.167	0.00	0.02	0.018	0					0.54
42.250	0.00	0.02	0.018	0					0.53
42.333	0.00	0.02	0.018	0					0.53
42.417	0.00	0.02	0.018	0					0.53
42.500	0.00	0.02	0.018	0					0.52
42.583	0.00	0.02	0.017	0					0.52
42.667	0.00	0.02	0.017	0					0.52
42.750	0.00	0.02	0.017	0					0.51
42.833	0.00	0.02	0.017	0					0.51
42.917	0.00	0.02	0.017	0					0.51
43.000	0.00	0.02	0.017	0					0.51
43.083	0.00	0.02	0.017	0					0.50
43.167	0.00	0.02	0.017	0					0.50
43.250	0.00	0.02	0.017	0					0.50
43.333	0.00	0.02	0.016	0					0.49
43.417	0.00	0.02	0.016	0					0.49
43.500	0.00	0.02	0.016	0					0.49

43.583	0.00	0.02	0.016	0					0.48
43.667	0.00	0.02	0.016	0					0.48
43.750	0.00	0.02	0.016	0					0.48
43.833	0.00	0.02	0.016	0					0.48
43.917	0.00	0.02	0.016	0					0.47
44.000	0.00	0.02	0.016	0					0.47
44.083	0.00	0.01	0.015	0					0.47
44.167	0.00	0.01	0.015	0					0.46
44.250	0.00	0.01	0.015	0					0.46
44.333	0.00	0.01	0.015	0					0.46
44.417	0.00	0.01	0.015	0					0.46
44.500	0.00	0.01	0.015	0					0.45
44.583	0.00	0.01	0.015	0					0.45
44.667	0.00	0.01	0.015	0					0.45
44.750	0.00	0.01	0.015	0					0.45
44.833	0.00	0.01	0.015	0					0.44
44.917	0.00	0.01	0.014	0					0.44
45.000	0.00	0.01	0.014	0					0.44
45.083	0.00	0.01	0.014	0					0.43
45.167	0.00	0.01	0.014	0					0.43
45.250	0.00	0.01	0.014	0					0.43
45.333	0.00	0.01	0.014	0					0.43
45.417	0.00	0.01	0.014	0					0.42
45.500	0.00	0.01	0.014	0					0.42
45.583	0.00	0.01	0.014	0					0.42
45.667	0.00	0.01	0.014	0					0.42
45.750	0.00	0.01	0.014	0					0.41
45.833	0.00	0.01	0.013	0					0.41
45.917	0.00	0.01	0.013	0					0.41
46.000	0.00	0.01	0.013	0					0.41
46.083	0.00	0.01	0.013	0					0.40
46.167	0.00	0.01	0.013	0					0.40
46.250	0.00	0.01	0.013	0					0.40
46.333	0.00	0.01	0.013	0					0.40
46.417	0.00	0.01	0.013	0					0.39
46.500	0.00	0.01	0.013	0					0.39
46.583	0.00	0.01	0.013	0					0.39
46.667	0.00	0.01	0.012	0					0.39
46.750	0.00	0.01	0.012	0					0.38
46.833	0.00	0.01	0.012	0					0.38
46.917	0.00	0.01	0.012	0					0.38
47.000	0.00	0.01	0.012	0					0.38
47.083	0.00	0.01	0.012	0					0.37
47.167	0.00	0.01	0.012	0					0.37
47.250	0.00	0.01	0.012	0					0.37
47.333	0.00	0.01	0.012	0					0.37
47.417	0.00	0.01	0.012	0					0.36
47.500	0.00	0.01	0.012	0					0.36
47.583	0.00	0.01	0.012	0					0.36
47.667	0.00	0.01	0.011	0					0.36

47.750	0.00	0.01	0.011	0					0.36
47.833	0.00	0.01	0.011	0					0.35
47.917	0.00	0.01	0.011	0					0.35
48.000	0.00	0.01	0.011	0					0.35
48.083	0.00	0.01	0.011	0					0.35
48.167	0.00	0.01	0.011	0					0.34
48.250	0.00	0.01	0.011	0					0.34
48.333	0.00	0.01	0.011	0					0.34
48.417	0.00	0.01	0.011	0					0.34
48.500	0.00	0.01	0.011	0					0.34
48.583	0.00	0.01	0.011	0					0.33
48.667	0.00	0.01	0.010	0					0.33
48.750	0.00	0.01	0.010	0					0.33
48.833	0.00	0.01	0.010	0					0.33
48.917	0.00	0.01	0.010	0					0.32
49.000	0.00	0.01	0.010	0					0.32
49.083	0.00	0.01	0.010	0					0.32
49.167	0.00	0.01	0.010	0					0.32
49.250	0.00	0.01	0.010	0					0.32
49.333	0.00	0.01	0.010	0					0.31
49.417	0.00	0.01	0.010	0					0.31
49.500	0.00	0.01	0.010	0					0.31
49.583	0.00	0.01	0.010	0					0.31
49.667	0.00	0.01	0.010	0					0.31
49.750	0.00	0.01	0.009	0					0.30
49.833	0.00	0.01	0.009	0					0.30
49.917	0.00	0.01	0.009	0					0.30
50.000	0.00	0.01	0.009	0					0.30
50.083	0.00	0.01	0.009	0					0.29
50.167	0.00	0.01	0.009	0					0.29
50.250	0.00	0.01	0.009	0					0.29
50.333	0.00	0.01	0.009	0					0.29
50.417	0.00	0.01	0.009	0					0.29
50.500	0.00	0.01	0.009	0					0.28
50.583	0.00	0.01	0.009	0					0.28
50.667	0.00	0.01	0.009	0					0.28
50.750	0.00	0.01	0.009	0					0.28
50.833	0.00	0.01	0.008	0					0.28
50.917	0.00	0.01	0.008	0					0.28
51.000	0.00	0.01	0.008	0					0.27
51.083	0.00	0.01	0.008	0					0.27
51.167	0.00	0.01	0.008	0					0.27
51.250	0.00	0.01	0.008	0					0.27
51.333	0.00	0.01	0.008	0					0.27
51.417	0.00	0.01	0.008	0					0.26
51.500	0.00	0.01	0.008	0					0.26
51.583	0.00	0.01	0.008	0					0.26
51.667	0.00	0.01	0.008	0					0.26
51.750	0.00	0.01	0.008	0					0.26
51.833	0.00	0.01	0.008	0					0.25

51.917	0.00	0.01	0.008	0					0.25
52.000	0.00	0.01	0.008	0					0.25
52.083	0.00	0.01	0.007	0					0.25
52.167	0.00	0.01	0.007	0					0.25
52.250	0.00	0.01	0.007	0					0.25
52.333	0.00	0.01	0.007	0					0.24
52.417	0.00	0.01	0.007	0					0.24
52.500	0.00	0.01	0.007	0					0.24
52.583	0.00	0.01	0.007	0					0.24
52.667	0.00	0.01	0.007	0					0.24
52.750	0.00	0.01	0.007	0					0.23
52.833	0.00	0.01	0.007	0					0.23
52.917	0.00	0.01	0.007	0					0.23
53.000	0.00	0.01	0.007	0					0.23
53.083	0.00	0.01	0.007	0					0.23
53.167	0.00	0.01	0.007	0					0.23
53.250	0.00	0.01	0.007	0					0.22
53.333	0.00	0.01	0.006	0					0.22
53.417	0.00	0.01	0.006	0					0.22
53.500	0.00	0.01	0.006	0					0.22
53.583	0.00	0.01	0.006	0					0.22
53.667	0.00	0.01	0.006	0					0.22
53.750	0.00	0.01	0.006	0					0.21
53.833	0.00	0.01	0.006	0					0.21
53.917	0.00	0.01	0.006	0					0.21
54.000	0.00	0.01	0.006	0					0.21
54.083	0.00	0.01	0.006	0					0.21
54.167	0.00	0.01	0.006	0					0.21
54.250	0.00	0.01	0.006	0					0.20
54.333	0.00	0.01	0.006	0					0.20
54.417	0.00	0.01	0.006	0					0.20
54.500	0.00	0.01	0.006	0					0.20
54.583	0.00	0.01	0.006	0					0.20
54.667	0.00	0.01	0.006	0					0.20
54.750	0.00	0.01	0.005	0					0.20
54.833	0.00	0.01	0.005	0					0.19
54.917	0.00	0.01	0.005	0					0.19
55.000	0.00	0.01	0.005	0					0.19
55.083	0.00	0.01	0.005	0					0.19
55.167	0.00	0.01	0.005	0					0.19
55.250	0.00	0.01	0.005	0					0.19
55.333	0.00	0.01	0.005	0					0.18
55.417	0.00	0.01	0.005	0					0.18
55.500	0.00	0.01	0.005	0					0.18
55.583	0.00	0.01	0.005	0					0.18
55.667	0.00	0.01	0.005	0					0.18
55.750	0.00	0.01	0.005	0					0.18
55.833	0.00	0.01	0.005	0					0.18
55.917	0.00	0.01	0.005	0					0.17
56.000	0.00	0.01	0.005	0					0.17

56.083	0.00	0.01	0.005	0					0.17
56.167	0.00	0.01	0.005	0					0.17
56.250	0.00	0.01	0.004	0					0.17
56.333	0.00	0.01	0.004	0					0.17
56.417	0.00	0.01	0.004	0					0.17
56.500	0.00	0.01	0.004	0					0.16
56.583	0.00	0.01	0.004	0					0.16
56.667	0.00	0.01	0.004	0					0.16
56.750	0.00	0.01	0.004	0					0.16
56.833	0.00	0.01	0.004	0					0.16
56.917	0.00	0.01	0.004	0					0.16
57.000	0.00	0.01	0.004	0					0.16
57.083	0.00	0.01	0.004	0					0.15
57.167	0.00	0.01	0.004	0					0.15
57.250	0.00	0.01	0.004	0					0.15
57.333	0.00	0.01	0.004	0					0.15
57.417	0.00	0.01	0.004	0					0.15
57.500	0.00	0.01	0.004	0					0.15
57.583	0.00	0.01	0.004	0					0.15
57.667	0.00	0.01	0.004	0					0.14
57.750	0.00	0.01	0.004	0					0.14
57.833	0.00	0.01	0.004	0					0.14
57.917	0.00	0.01	0.003	0					0.14
58.000	0.00	0.01	0.003	0					0.14
58.083	0.00	0.01	0.003	0					0.14
58.167	0.00	0.01	0.003	0					0.14
58.250	0.00	0.01	0.003	0					0.14
58.333	0.00	0.01	0.003	0					0.13
58.417	0.00	0.01	0.003	0					0.13
58.500	0.00	0.01	0.003	0					0.13
58.583	0.00	0.01	0.003	0					0.13
58.667	0.00	0.01	0.003	0					0.13
58.750	0.00	0.01	0.003	0					0.13
58.833	0.00	0.01	0.003	0					0.13
58.917	0.00	0.01	0.003	0					0.13
59.000	0.00	0.01	0.003	0					0.12
59.083	0.00	0.01	0.003	0					0.12
59.167	0.00	0.01	0.003	0					0.12
59.250	0.00	0.01	0.003	0					0.12
59.333	0.00	0.01	0.003	0					0.12
59.417	0.00	0.01	0.003	0					0.12
59.500	0.00	0.01	0.003	0					0.12
59.583	0.00	0.01	0.003	0					0.12
59.667	0.00	0.01	0.003	0					0.11
59.750	0.00	0.01	0.002	0					0.11
59.833	0.00	0.01	0.002	0					0.11
59.917	0.00	0.01	0.002	0					0.11
60.000	0.00	0.01	0.002	0					0.11
60.083	0.00	0.01	0.002	0					0.11
60.167	0.00	0.01	0.002	0					0.11

60.250	0.00	0.01	0.002	0					0.11
60.333	0.00	0.01	0.002	0					0.10
60.417	0.00	0.01	0.002	0					0.10
60.500	0.00	0.01	0.002	0					0.10
60.583	0.00	0.01	0.002	0					0.10
60.667	0.00	0.01	0.002	0					0.10
60.750	0.00	0.01	0.002	0					0.10
60.833	0.00	0.01	0.002	0					0.10
60.917	0.00	0.01	0.002	0					0.09
61.000	0.00	0.01	0.002	0					0.09
61.083	0.00	0.01	0.002	0					0.09
61.167	0.00	0.01	0.002	0					0.09
61.250	0.00	0.01	0.002	0					0.09
61.333	0.00	0.01	0.002	0					0.09
61.417	0.00	0.01	0.002	0					0.08
61.500	0.00	0.00	0.002	0					0.08
61.583	0.00	0.00	0.002	0					0.08
61.667	0.00	0.00	0.002	0					0.08
61.750	0.00	0.00	0.002	0					0.08
61.833	0.00	0.00	0.002	0					0.08
61.917	0.00	0.00	0.001	0					0.07
62.000	0.00	0.00	0.001	0					0.07
62.083	0.00	0.00	0.001	0					0.07
62.167	0.00	0.00	0.001	0					0.07
62.250	0.00	0.00	0.001	0					0.07
62.333	0.00	0.00	0.001	0					0.07
62.417	0.00	0.00	0.001	0					0.07
62.500	0.00	0.00	0.001	0					0.06
62.583	0.00	0.00	0.001	0					0.06
62.667	0.00	0.00	0.001	0					0.06
62.750	0.00	0.00	0.001	0					0.06
62.833	0.00	0.00	0.001	0					0.06
62.917	0.00	0.00	0.001	0					0.06
63.000	0.00	0.00	0.001	0					0.06
63.083	0.00	0.00	0.001	0					0.06
63.167	0.00	0.00	0.001	0					0.05
63.250	0.00	0.00	0.001	0					0.05
63.333	0.00	0.00	0.001	0					0.05
63.417	0.00	0.00	0.001	0					0.05
63.500	0.00	0.00	0.001	0					0.05
63.583	0.00	0.00	0.001	0					0.05
63.667	0.00	0.00	0.001	0					0.05
63.750	0.00	0.00	0.001	0					0.05
63.833	0.00	0.00	0.001	0					0.05
63.917	0.00	0.00	0.001	0					0.04
64.000	0.00	0.00	0.001	0					0.04
64.083	0.00	0.00	0.001	0					0.04
64.167	0.00	0.00	0.001	0					0.04
64.250	0.00	0.00	0.001	0					0.04
64.333	0.00	0.00	0.001	0					0.04

64.417	0.00	0.00	0.001	0					0.04
64.500	0.00	0.00	0.001	0					0.04
64.583	0.00	0.00	0.001	0					0.04
64.667	0.00	0.00	0.001	0					0.04
64.750	0.00	0.00	0.001	0					0.04
64.833	0.00	0.00	0.001	0					0.04
64.917	0.00	0.00	0.001	0					0.04
65.000	0.00	0.00	0.001	0					0.03
65.083	0.00	0.00	0.001	0					0.03
65.167	0.00	0.00	0.001	0					0.03
65.250	0.00	0.00	0.001	0					0.03
65.333	0.00	0.00	0.001	0					0.03
65.417	0.00	0.00	0.001	0					0.03
65.500	0.00	0.00	0.001	0					0.03
65.583	0.00	0.00	0.001	0					0.03
65.667	0.00	0.00	0.001	0					0.03
65.750	0.00	0.00	0.001	0					0.03
65.833	0.00	0.00	0.001	0					0.03
65.917	0.00	0.00	0.001	0					0.03
66.000	0.00	0.00	0.001	0					0.03
66.083	0.00	0.00	0.001	0					0.03
66.167	0.00	0.00	0.001	0					0.03
66.250	0.00	0.00	0.001	0					0.03
66.333	0.00	0.00	0.000	0					0.02
66.417	0.00	0.00	0.000	0					0.02
66.500	0.00	0.00	0.000	0					0.02
66.583	0.00	0.00	0.000	0					0.02
66.667	0.00	0.00	0.000	0					0.02
66.750	0.00	0.00	0.000	0					0.02
66.833	0.00	0.00	0.000	0					0.02
66.917	0.00	0.00	0.000	0					0.02
67.000	0.00	0.00	0.000	0					0.02
67.083	0.00	0.00	0.000	0					0.02
67.167	0.00	0.00	0.000	0					0.02
67.250	0.00	0.00	0.000	0					0.02
67.333	0.00	0.00	0.000	0					0.02
67.417	0.00	0.00	0.000	0					0.02
67.500	0.00	0.00	0.000	0					0.02
67.583	0.00	0.00	0.000	0					0.02
67.667	0.00	0.00	0.000	0					0.02
67.750	0.00	0.00	0.000	0					0.02
67.833	0.00	0.00	0.000	0					0.02
67.917	0.00	0.00	0.000	0					0.02
68.000	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 816
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 0.043 (CFS)
 Total volume = 0.128 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 09/27/24

Cottonwood Apartments
Basin Routing BMP4
2 yr
1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: da412.rte
*****HYDROGRAPH DATA*****
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.913 (CFS)
Total volume = 0.078 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.050	0.001	0.003	0.001	0.001
0.100	0.002	0.006	0.002	0.002
1.000	0.035	0.028	0.035	0.035
2.000	0.092	0.039	0.092	0.092
3.000	0.160	0.048	0.160	0.160
4.000	0.230	0.056	0.230	0.230
4.500	0.265	0.060	0.265	0.265
4.750	0.282	0.061	0.282	0.282
5.000	0.297	0.063	0.297	0.297
5.650	0.337	0.377	0.336	0.338
5.900	0.350	0.688	0.348	0.352
6.150	0.362	1.310	0.357	0.367
7.000	0.389	2.676	0.380	0.398

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.7	1.46	2.18	2.91	Depth (Ft.)
0.083	0.27	0.00	0.001	0 I					0.05
0.167	0.42	0.01	0.003	0 I					0.14
0.250	0.49	0.01	0.006	0 I					0.22
0.333	0.51	0.01	0.010	0 I					0.31
0.417	0.56	0.01	0.013	0 I					0.41
0.500	0.64	0.02	0.017	0 I					0.52
0.583	0.73	0.02	0.022	0 I					0.64
0.667	0.87	0.02	0.027	0	I				0.79
0.750	1.25	0.03	0.034	0		I			0.98
0.833	2.91	0.03	0.049	0				I	1.24
0.917	1.73	0.03	0.064	0		I			1.51
1.000	0.67	0.04	0.072	0	I				1.66
1.083	0.19	0.04	0.075	0 I					1.70
1.167	0.02	0.04	0.076	0					1.71
1.250	0.00	0.04	0.075	0					1.71
1.333	0.00	0.04	0.075	0					1.70
1.417	0.00	0.04	0.075	0					1.70
1.500	0.00	0.04	0.075	0					1.69
1.583	0.00	0.04	0.074	0					1.69
1.667	0.00	0.04	0.074	0					1.69
1.750	0.00	0.04	0.074	0					1.68
1.833	0.00	0.04	0.074	0					1.68

1.917	0.00	0.04	0.073	0					1.67
2.000	0.00	0.04	0.073	0					1.67
2.083	0.00	0.04	0.073	0					1.66
2.167	0.00	0.04	0.073	0					1.66
2.250	0.00	0.04	0.072	0					1.66
2.333	0.00	0.04	0.072	0					1.65
2.417	0.00	0.04	0.072	0					1.65
2.500	0.00	0.04	0.072	0					1.64
2.583	0.00	0.04	0.071	0					1.64
2.667	0.00	0.03	0.071	0					1.64
2.750	0.00	0.03	0.071	0					1.63
2.833	0.00	0.03	0.071	0					1.63
2.917	0.00	0.03	0.070	0					1.62
3.000	0.00	0.03	0.070	0					1.62
3.083	0.00	0.03	0.070	0					1.61
3.167	0.00	0.03	0.070	0					1.61
3.250	0.00	0.03	0.070	0					1.61
3.333	0.00	0.03	0.069	0					1.60
3.417	0.00	0.03	0.069	0					1.60
3.500	0.00	0.03	0.069	0					1.59
3.583	0.00	0.03	0.069	0					1.59
3.667	0.00	0.03	0.068	0					1.58
3.750	0.00	0.03	0.068	0					1.58
3.833	0.00	0.03	0.068	0					1.58
3.917	0.00	0.03	0.068	0					1.57
4.000	0.00	0.03	0.067	0					1.57
4.083	0.00	0.03	0.067	0					1.56
4.167	0.00	0.03	0.067	0					1.56
4.250	0.00	0.03	0.067	0					1.56
4.333	0.00	0.03	0.066	0					1.55
4.417	0.00	0.03	0.066	0					1.55
4.500	0.00	0.03	0.066	0					1.54
4.583	0.00	0.03	0.066	0					1.54
4.667	0.00	0.03	0.066	0					1.54
4.750	0.00	0.03	0.065	0					1.53
4.833	0.00	0.03	0.065	0					1.53
4.917	0.00	0.03	0.065	0					1.52
5.000	0.00	0.03	0.065	0					1.52
5.083	0.00	0.03	0.064	0					1.51
5.167	0.00	0.03	0.064	0					1.51
5.250	0.00	0.03	0.064	0					1.51
5.333	0.00	0.03	0.064	0					1.50
5.417	0.00	0.03	0.063	0					1.50
5.500	0.00	0.03	0.063	0					1.49
5.583	0.00	0.03	0.063	0					1.49
5.667	0.00	0.03	0.063	0					1.49
5.750	0.00	0.03	0.063	0					1.48
5.833	0.00	0.03	0.062	0					1.48
5.917	0.00	0.03	0.062	0					1.47
6.000	0.00	0.03	0.062	0					1.47

6.083	0.00	0.03	0.062	0					1.47
6.167	0.00	0.03	0.061	0					1.46
6.250	0.00	0.03	0.061	0					1.46
6.333	0.00	0.03	0.061	0					1.45
6.417	0.00	0.03	0.061	0					1.45
6.500	0.00	0.03	0.060	0					1.45
6.583	0.00	0.03	0.060	0					1.44
6.667	0.00	0.03	0.060	0					1.44
6.750	0.00	0.03	0.060	0					1.43
6.833	0.00	0.03	0.060	0					1.43
6.917	0.00	0.03	0.059	0					1.43
7.000	0.00	0.03	0.059	0					1.42
7.083	0.00	0.03	0.059	0					1.42
7.167	0.00	0.03	0.059	0					1.41
7.250	0.00	0.03	0.058	0					1.41
7.333	0.00	0.03	0.058	0					1.41
7.417	0.00	0.03	0.058	0					1.40
7.500	0.00	0.03	0.058	0					1.40
7.583	0.00	0.03	0.058	0					1.40
7.667	0.00	0.03	0.057	0					1.39
7.750	0.00	0.03	0.057	0					1.39
7.833	0.00	0.03	0.057	0					1.38
7.917	0.00	0.03	0.057	0					1.38
8.000	0.00	0.03	0.056	0					1.38
8.083	0.00	0.03	0.056	0					1.37
8.167	0.00	0.03	0.056	0					1.37
8.250	0.00	0.03	0.056	0					1.36
8.333	0.00	0.03	0.056	0					1.36
8.417	0.00	0.03	0.055	0					1.36
8.500	0.00	0.03	0.055	0					1.35
8.583	0.00	0.03	0.055	0					1.35
8.667	0.00	0.03	0.055	0					1.34
8.750	0.00	0.03	0.054	0					1.34
8.833	0.00	0.03	0.054	0					1.34
8.917	0.00	0.03	0.054	0					1.33
9.000	0.00	0.03	0.054	0					1.33
9.083	0.00	0.03	0.054	0					1.33
9.167	0.00	0.03	0.053	0					1.32
9.250	0.00	0.03	0.053	0					1.32
9.333	0.00	0.03	0.053	0					1.31
9.417	0.00	0.03	0.053	0					1.31
9.500	0.00	0.03	0.052	0					1.31
9.583	0.00	0.03	0.052	0					1.30
9.667	0.00	0.03	0.052	0					1.30
9.750	0.00	0.03	0.052	0					1.30
9.833	0.00	0.03	0.052	0					1.29
9.917	0.00	0.03	0.051	0					1.29
10.000	0.00	0.03	0.051	0					1.28
10.083	0.00	0.03	0.051	0					1.28
10.167	0.00	0.03	0.051	0					1.28

10.250	0.00	0.03	0.051	0					1.27
10.333	0.00	0.03	0.050	0					1.27
10.417	0.00	0.03	0.050	0					1.27
10.500	0.00	0.03	0.050	0					1.26
10.583	0.00	0.03	0.050	0					1.26
10.667	0.00	0.03	0.049	0					1.25
10.750	0.00	0.03	0.049	0					1.25
10.833	0.00	0.03	0.049	0					1.25
10.917	0.00	0.03	0.049	0					1.24
11.000	0.00	0.03	0.049	0					1.24
11.083	0.00	0.03	0.048	0					1.24
11.167	0.00	0.03	0.048	0					1.23
11.250	0.00	0.03	0.048	0					1.23
11.333	0.00	0.03	0.048	0					1.22
11.417	0.00	0.03	0.048	0					1.22
11.500	0.00	0.03	0.047	0					1.22
11.583	0.00	0.03	0.047	0					1.21
11.667	0.00	0.03	0.047	0					1.21
11.750	0.00	0.03	0.047	0					1.21
11.833	0.00	0.03	0.047	0					1.20
11.917	0.00	0.03	0.046	0					1.20
12.000	0.00	0.03	0.046	0					1.20
12.083	0.00	0.03	0.046	0					1.19
12.167	0.00	0.03	0.046	0					1.19
12.250	0.00	0.03	0.046	0					1.18
12.333	0.00	0.03	0.045	0					1.18
12.417	0.00	0.03	0.045	0					1.18
12.500	0.00	0.03	0.045	0					1.17
12.583	0.00	0.03	0.045	0					1.17
12.667	0.00	0.03	0.044	0					1.17
12.750	0.00	0.03	0.044	0					1.16
12.833	0.00	0.03	0.044	0					1.16
12.917	0.00	0.03	0.044	0					1.16
13.000	0.00	0.03	0.044	0					1.15
13.083	0.00	0.03	0.043	0					1.15
13.167	0.00	0.03	0.043	0					1.14
13.250	0.00	0.03	0.043	0					1.14
13.333	0.00	0.03	0.043	0					1.14
13.417	0.00	0.03	0.043	0					1.13
13.500	0.00	0.03	0.042	0					1.13
13.583	0.00	0.03	0.042	0					1.13
13.667	0.00	0.03	0.042	0					1.12
13.750	0.00	0.03	0.042	0					1.12
13.833	0.00	0.03	0.042	0					1.12
13.917	0.00	0.03	0.041	0					1.11
14.000	0.00	0.03	0.041	0					1.11
14.083	0.00	0.03	0.041	0					1.11
14.167	0.00	0.03	0.041	0					1.10
14.250	0.00	0.03	0.041	0					1.10
14.333	0.00	0.03	0.040	0					1.10

14.417	0.00	0.03	0.040	0					1.09
14.500	0.00	0.03	0.040	0					1.09
14.583	0.00	0.03	0.040	0					1.08
14.667	0.00	0.03	0.040	0					1.08
14.750	0.00	0.03	0.039	0					1.08
14.833	0.00	0.03	0.039	0					1.07
14.917	0.00	0.03	0.039	0					1.07
15.000	0.00	0.03	0.039	0					1.07
15.083	0.00	0.03	0.039	0					1.06
15.167	0.00	0.03	0.038	0					1.06
15.250	0.00	0.03	0.038	0					1.06
15.333	0.00	0.03	0.038	0					1.05
15.417	0.00	0.03	0.038	0					1.05
15.500	0.00	0.03	0.038	0					1.05
15.583	0.00	0.03	0.037	0					1.04
15.667	0.00	0.03	0.037	0					1.04
15.750	0.00	0.03	0.037	0					1.04
15.833	0.00	0.03	0.037	0					1.03
15.917	0.00	0.03	0.037	0					1.03
16.000	0.00	0.03	0.036	0					1.03
16.083	0.00	0.03	0.036	0					1.02
16.167	0.00	0.03	0.036	0					1.02
16.250	0.00	0.03	0.036	0					1.02
16.333	0.00	0.03	0.036	0					1.01
16.417	0.00	0.03	0.036	0					1.01
16.500	0.00	0.03	0.035	0					1.01
16.583	0.00	0.03	0.035	0					1.00
16.667	0.00	0.03	0.035	0					1.00
16.750	0.00	0.03	0.035	0					0.99
16.833	0.00	0.03	0.035	0					0.99
16.917	0.00	0.03	0.034	0					0.98
17.000	0.00	0.03	0.034	0					0.98
17.083	0.00	0.03	0.034	0					0.97
17.167	0.00	0.03	0.034	0					0.97
17.250	0.00	0.03	0.034	0					0.96
17.333	0.00	0.03	0.033	0					0.96
17.417	0.00	0.03	0.033	0					0.95
17.500	0.00	0.03	0.033	0					0.95
17.583	0.00	0.03	0.033	0					0.94
17.667	0.00	0.03	0.033	0					0.94
17.750	0.00	0.03	0.032	0					0.93
17.833	0.00	0.03	0.032	0					0.93
17.917	0.00	0.03	0.032	0					0.92
18.000	0.00	0.03	0.032	0					0.92
18.083	0.00	0.03	0.032	0					0.91
18.167	0.00	0.03	0.032	0					0.91
18.250	0.00	0.03	0.031	0					0.90
18.333	0.00	0.03	0.031	0					0.90
18.417	0.00	0.03	0.031	0					0.89
18.500	0.00	0.03	0.031	0					0.89

18.583	0.00	0.03	0.031	0					0.88
18.667	0.00	0.03	0.031	0					0.88
18.750	0.00	0.02	0.030	0					0.87
18.833	0.00	0.02	0.030	0					0.87
18.917	0.00	0.02	0.030	0					0.86
19.000	0.00	0.02	0.030	0					0.86
19.083	0.00	0.02	0.030	0					0.86
19.167	0.00	0.02	0.030	0					0.85
19.250	0.00	0.02	0.029	0					0.85
19.333	0.00	0.02	0.029	0					0.84
19.417	0.00	0.02	0.029	0					0.84
19.500	0.00	0.02	0.029	0					0.83
19.583	0.00	0.02	0.029	0					0.83
19.667	0.00	0.02	0.029	0					0.82
19.750	0.00	0.02	0.028	0					0.82
19.833	0.00	0.02	0.028	0					0.81
19.917	0.00	0.02	0.028	0					0.81
20.000	0.00	0.02	0.028	0					0.81
20.083	0.00	0.02	0.028	0					0.80
20.167	0.00	0.02	0.028	0					0.80
20.250	0.00	0.02	0.027	0					0.79
20.333	0.00	0.02	0.027	0					0.79
20.417	0.00	0.02	0.027	0					0.78
20.500	0.00	0.02	0.027	0					0.78
20.583	0.00	0.02	0.027	0					0.78
20.667	0.00	0.02	0.027	0					0.77
20.750	0.00	0.02	0.026	0					0.77
20.833	0.00	0.02	0.026	0					0.76
20.917	0.00	0.02	0.026	0					0.76
21.000	0.00	0.02	0.026	0					0.76
21.083	0.00	0.02	0.026	0					0.75
21.167	0.00	0.02	0.026	0					0.75
21.250	0.00	0.02	0.026	0					0.74
21.333	0.00	0.02	0.025	0					0.74
21.417	0.00	0.02	0.025	0					0.73
21.500	0.00	0.02	0.025	0					0.73
21.583	0.00	0.02	0.025	0					0.73
21.667	0.00	0.02	0.025	0					0.72
21.750	0.00	0.02	0.025	0					0.72
21.833	0.00	0.02	0.025	0					0.71
21.917	0.00	0.02	0.024	0					0.71
22.000	0.00	0.02	0.024	0					0.71
22.083	0.00	0.02	0.024	0					0.70
22.167	0.00	0.02	0.024	0					0.70
22.250	0.00	0.02	0.024	0					0.70
22.333	0.00	0.02	0.024	0					0.69
22.417	0.00	0.02	0.024	0					0.69
22.500	0.00	0.02	0.023	0					0.68
22.583	0.00	0.02	0.023	0					0.68
22.667	0.00	0.02	0.023	0					0.68

22.750	0.00	0.02	0.023	0					0.67
22.833	0.00	0.02	0.023	0					0.67
22.917	0.00	0.02	0.023	0					0.66
23.000	0.00	0.02	0.023	0					0.66
23.083	0.00	0.02	0.022	0					0.66
23.167	0.00	0.02	0.022	0					0.65
23.250	0.00	0.02	0.022	0					0.65
23.333	0.00	0.02	0.022	0					0.65
23.417	0.00	0.02	0.022	0					0.64
23.500	0.00	0.02	0.022	0					0.64
23.583	0.00	0.02	0.022	0					0.64
23.667	0.00	0.02	0.022	0					0.63
23.750	0.00	0.02	0.021	0					0.63
23.833	0.00	0.02	0.021	0					0.63
23.917	0.00	0.02	0.021	0					0.62
24.000	0.00	0.02	0.021	0					0.62
24.083	0.00	0.02	0.021	0					0.61
24.167	0.00	0.02	0.021	0					0.61
24.250	0.00	0.02	0.021	0					0.61
24.333	0.00	0.02	0.020	0					0.60
24.417	0.00	0.02	0.020	0					0.60
24.500	0.00	0.02	0.020	0					0.60
24.583	0.00	0.02	0.020	0					0.59
24.667	0.00	0.02	0.020	0					0.59
24.750	0.00	0.02	0.020	0					0.59
24.833	0.00	0.02	0.020	0					0.58
24.917	0.00	0.02	0.020	0					0.58
25.000	0.00	0.02	0.019	0					0.58
25.083	0.00	0.02	0.019	0					0.57
25.167	0.00	0.02	0.019	0					0.57
25.250	0.00	0.02	0.019	0					0.57
25.333	0.00	0.02	0.019	0					0.56
25.417	0.00	0.02	0.019	0					0.56
25.500	0.00	0.02	0.019	0					0.56
25.583	0.00	0.02	0.019	0					0.55
25.667	0.00	0.02	0.019	0					0.55
25.750	0.00	0.02	0.018	0					0.55
25.833	0.00	0.02	0.018	0					0.54
25.917	0.00	0.02	0.018	0					0.54
26.000	0.00	0.02	0.018	0					0.54
26.083	0.00	0.02	0.018	0					0.54
26.167	0.00	0.02	0.018	0					0.53
26.250	0.00	0.02	0.018	0					0.53
26.333	0.00	0.02	0.018	0					0.53
26.417	0.00	0.02	0.018	0					0.52
26.500	0.00	0.02	0.017	0					0.52
26.583	0.00	0.02	0.017	0					0.52
26.667	0.00	0.02	0.017	0					0.51
26.750	0.00	0.02	0.017	0					0.51
26.833	0.00	0.02	0.017	0					0.51

26.917	0.00	0.02	0.017	0					0.50
27.000	0.00	0.02	0.017	0					0.50
27.083	0.00	0.02	0.017	0					0.50
27.167	0.00	0.02	0.017	0					0.50
27.250	0.00	0.02	0.016	0					0.49
27.333	0.00	0.02	0.016	0					0.49
27.417	0.00	0.02	0.016	0					0.49
27.500	0.00	0.02	0.016	0					0.48
27.583	0.00	0.02	0.016	0					0.48
27.667	0.00	0.02	0.016	0					0.48
27.750	0.00	0.02	0.016	0					0.48
27.833	0.00	0.02	0.016	0					0.47
27.917	0.00	0.02	0.016	0					0.47
28.000	0.00	0.01	0.015	0					0.47
28.083	0.00	0.01	0.015	0					0.46
28.167	0.00	0.01	0.015	0					0.46
28.250	0.00	0.01	0.015	0					0.46
28.333	0.00	0.01	0.015	0					0.46
28.417	0.00	0.01	0.015	0					0.45
28.500	0.00	0.01	0.015	0					0.45
28.583	0.00	0.01	0.015	0					0.45
28.667	0.00	0.01	0.015	0					0.44
28.750	0.00	0.01	0.015	0					0.44
28.833	0.00	0.01	0.014	0					0.44
28.917	0.00	0.01	0.014	0					0.44
29.000	0.00	0.01	0.014	0					0.43
29.083	0.00	0.01	0.014	0					0.43
29.167	0.00	0.01	0.014	0					0.43
29.250	0.00	0.01	0.014	0					0.43
29.333	0.00	0.01	0.014	0					0.42
29.417	0.00	0.01	0.014	0					0.42
29.500	0.00	0.01	0.014	0					0.42
29.583	0.00	0.01	0.014	0					0.42
29.667	0.00	0.01	0.013	0					0.41
29.750	0.00	0.01	0.013	0					0.41
29.833	0.00	0.01	0.013	0					0.41
29.917	0.00	0.01	0.013	0					0.41
30.000	0.00	0.01	0.013	0					0.40
30.083	0.00	0.01	0.013	0					0.40
30.167	0.00	0.01	0.013	0					0.40
30.250	0.00	0.01	0.013	0					0.40
30.333	0.00	0.01	0.013	0					0.39
30.417	0.00	0.01	0.013	0					0.39
30.500	0.00	0.01	0.013	0					0.39
30.583	0.00	0.01	0.012	0					0.39
30.667	0.00	0.01	0.012	0					0.38
30.750	0.00	0.01	0.012	0					0.38
30.833	0.00	0.01	0.012	0					0.38
30.917	0.00	0.01	0.012	0					0.38
31.000	0.00	0.01	0.012	0					0.37

31.083	0.00	0.01	0.012	0					0.37
31.167	0.00	0.01	0.012	0					0.37
31.250	0.00	0.01	0.012	0					0.37
31.333	0.00	0.01	0.012	0					0.36
31.417	0.00	0.01	0.012	0					0.36
31.500	0.00	0.01	0.012	0					0.36
31.583	0.00	0.01	0.011	0					0.36
31.667	0.00	0.01	0.011	0					0.35
31.750	0.00	0.01	0.011	0					0.35
31.833	0.00	0.01	0.011	0					0.35
31.917	0.00	0.01	0.011	0					0.35
32.000	0.00	0.01	0.011	0					0.35
32.083	0.00	0.01	0.011	0					0.34
32.167	0.00	0.01	0.011	0					0.34
32.250	0.00	0.01	0.011	0					0.34
32.333	0.00	0.01	0.011	0					0.34
32.417	0.00	0.01	0.011	0					0.33
32.500	0.00	0.01	0.011	0					0.33
32.583	0.00	0.01	0.010	0					0.33
32.667	0.00	0.01	0.010	0					0.33
32.750	0.00	0.01	0.010	0					0.33
32.833	0.00	0.01	0.010	0					0.32
32.917	0.00	0.01	0.010	0					0.32
33.000	0.00	0.01	0.010	0					0.32
33.083	0.00	0.01	0.010	0					0.32
33.167	0.00	0.01	0.010	0					0.32
33.250	0.00	0.01	0.010	0					0.31
33.333	0.00	0.01	0.010	0					0.31
33.417	0.00	0.01	0.010	0					0.31
33.500	0.00	0.01	0.010	0					0.31
33.583	0.00	0.01	0.010	0					0.30
33.667	0.00	0.01	0.009	0					0.30
33.750	0.00	0.01	0.009	0					0.30
33.833	0.00	0.01	0.009	0					0.30
33.917	0.00	0.01	0.009	0					0.30
34.000	0.00	0.01	0.009	0					0.29
34.083	0.00	0.01	0.009	0					0.29
34.167	0.00	0.01	0.009	0					0.29
34.250	0.00	0.01	0.009	0					0.29
34.333	0.00	0.01	0.009	0					0.29
34.417	0.00	0.01	0.009	0					0.28
34.500	0.00	0.01	0.009	0					0.28
34.583	0.00	0.01	0.009	0					0.28
34.667	0.00	0.01	0.009	0					0.28
34.750	0.00	0.01	0.008	0					0.28
34.833	0.00	0.01	0.008	0					0.27
34.917	0.00	0.01	0.008	0					0.27
35.000	0.00	0.01	0.008	0					0.27
35.083	0.00	0.01	0.008	0					0.27
35.167	0.00	0.01	0.008	0					0.27

35.250	0.00	0.01	0.008	0					0.27
35.333	0.00	0.01	0.008	0					0.26
35.417	0.00	0.01	0.008	0					0.26
35.500	0.00	0.01	0.008	0					0.26
35.583	0.00	0.01	0.008	0					0.26
35.667	0.00	0.01	0.008	0					0.26
35.750	0.00	0.01	0.008	0					0.25
35.833	0.00	0.01	0.008	0					0.25
35.917	0.00	0.01	0.008	0					0.25
36.000	0.00	0.01	0.007	0					0.25
36.083	0.00	0.01	0.007	0					0.25
36.167	0.00	0.01	0.007	0					0.25
36.250	0.00	0.01	0.007	0					0.24
36.333	0.00	0.01	0.007	0					0.24
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36.500	0.00	0.01	0.007	0					0.24
36.583	0.00	0.01	0.007	0					0.24
36.667	0.00	0.01	0.007	0					0.23
36.750	0.00	0.01	0.007	0					0.23
36.833	0.00	0.01	0.007	0					0.23
36.917	0.00	0.01	0.007	0					0.23
37.000	0.00	0.01	0.007	0					0.23
37.083	0.00	0.01	0.007	0					0.23
37.167	0.00	0.01	0.007	0					0.22
37.250	0.00	0.01	0.006	0					0.22
37.333	0.00	0.01	0.006	0					0.22
37.417	0.00	0.01	0.006	0					0.22
37.500	0.00	0.01	0.006	0					0.22
37.583	0.00	0.01	0.006	0					0.22
37.667	0.00	0.01	0.006	0					0.21
37.750	0.00	0.01	0.006	0					0.21
37.833	0.00	0.01	0.006	0					0.21
37.917	0.00	0.01	0.006	0					0.21
38.000	0.00	0.01	0.006	0					0.21
38.083	0.00	0.01	0.006	0					0.21
38.167	0.00	0.01	0.006	0					0.20
38.250	0.00	0.01	0.006	0					0.20
38.333	0.00	0.01	0.006	0					0.20
38.417	0.00	0.01	0.006	0					0.20
38.500	0.00	0.01	0.006	0					0.20
38.583	0.00	0.01	0.006	0					0.20
38.667	0.00	0.01	0.005	0					0.19
38.750	0.00	0.01	0.005	0					0.19
38.833	0.00	0.01	0.005	0					0.19
38.917	0.00	0.01	0.005	0					0.19
39.000	0.00	0.01	0.005	0					0.19
39.083	0.00	0.01	0.005	0					0.19
39.167	0.00	0.01	0.005	0					0.19
39.250	0.00	0.01	0.005	0					0.18
39.333	0.00	0.01	0.005	0					0.18

39.417	0.00	0.01	0.005	0					0.18
39.500	0.00	0.01	0.005	0					0.18
39.583	0.00	0.01	0.005	0					0.18
39.667	0.00	0.01	0.005	0					0.18
39.750	0.00	0.01	0.005	0					0.18
39.833	0.00	0.01	0.005	0					0.17
39.917	0.00	0.01	0.005	0					0.17
40.000	0.00	0.01	0.005	0					0.17
40.083	0.00	0.01	0.005	0					0.17
40.167	0.00	0.01	0.004	0					0.17
40.250	0.00	0.01	0.004	0					0.17
40.333	0.00	0.01	0.004	0					0.16
40.417	0.00	0.01	0.004	0					0.16
40.500	0.00	0.01	0.004	0					0.16
40.583	0.00	0.01	0.004	0					0.16
40.667	0.00	0.01	0.004	0					0.16
40.750	0.00	0.01	0.004	0					0.16
40.833	0.00	0.01	0.004	0					0.16
40.917	0.00	0.01	0.004	0					0.16
41.000	0.00	0.01	0.004	0					0.15
41.083	0.00	0.01	0.004	0					0.15
41.167	0.00	0.01	0.004	0					0.15
41.250	0.00	0.01	0.004	0					0.15
41.333	0.00	0.01	0.004	0					0.15
41.417	0.00	0.01	0.004	0					0.15
41.500	0.00	0.01	0.004	0					0.15
41.583	0.00	0.01	0.004	0					0.14
41.667	0.00	0.01	0.004	0					0.14
41.750	0.00	0.01	0.004	0					0.14
41.833	0.00	0.01	0.003	0					0.14
41.917	0.00	0.01	0.003	0					0.14
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42.083	0.00	0.01	0.003	0					0.14
42.167	0.00	0.01	0.003	0					0.14
42.250	0.00	0.01	0.003	0					0.13
42.333	0.00	0.01	0.003	0					0.13
42.417	0.00	0.01	0.003	0					0.13
42.500	0.00	0.01	0.003	0					0.13
42.583	0.00	0.01	0.003	0					0.13
42.667	0.00	0.01	0.003	0					0.13
42.750	0.00	0.01	0.003	0					0.13
42.833	0.00	0.01	0.003	0					0.13
42.917	0.00	0.01	0.003	0					0.12
43.000	0.00	0.01	0.003	0					0.12
43.083	0.00	0.01	0.003	0					0.12
43.167	0.00	0.01	0.003	0					0.12
43.250	0.00	0.01	0.003	0					0.12
43.333	0.00	0.01	0.003	0					0.12
43.417	0.00	0.01	0.003	0					0.12
43.500	0.00	0.01	0.003	0					0.12

43.583	0.00	0.01	0.003	0					0.11
43.667	0.00	0.01	0.002	0					0.11
43.750	0.00	0.01	0.002	0					0.11
43.833	0.00	0.01	0.002	0					0.11
43.917	0.00	0.01	0.002	0					0.11
44.000	0.00	0.01	0.002	0					0.11
44.083	0.00	0.01	0.002	0					0.11
44.167	0.00	0.01	0.002	0					0.11
44.250	0.00	0.01	0.002	0					0.10
44.333	0.00	0.01	0.002	0					0.10
44.417	0.00	0.01	0.002	0					0.10
44.500	0.00	0.01	0.002	0					0.10
44.583	0.00	0.01	0.002	0					0.10
44.667	0.00	0.01	0.002	0					0.10
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44.917	0.00	0.01	0.002	0					0.09
45.000	0.00	0.01	0.002	0					0.09
45.083	0.00	0.01	0.002	0					0.09
45.167	0.00	0.01	0.002	0					0.09
45.250	0.00	0.01	0.002	0					0.09
45.333	0.00	0.00	0.002	0					0.08
45.417	0.00	0.00	0.002	0					0.08
45.500	0.00	0.00	0.002	0					0.08
45.583	0.00	0.00	0.002	0					0.08
45.667	0.00	0.00	0.002	0					0.08
45.750	0.00	0.00	0.002	0					0.08
45.833	0.00	0.00	0.001	0					0.07
45.917	0.00	0.00	0.001	0					0.07
46.000	0.00	0.00	0.001	0					0.07
46.083	0.00	0.00	0.001	0					0.07
46.167	0.00	0.00	0.001	0					0.07
46.250	0.00	0.00	0.001	0					0.07
46.333	0.00	0.00	0.001	0					0.06
46.417	0.00	0.00	0.001	0					0.06
46.500	0.00	0.00	0.001	0					0.06
46.583	0.00	0.00	0.001	0					0.06
46.667	0.00	0.00	0.001	0					0.06
46.750	0.00	0.00	0.001	0					0.06
46.833	0.00	0.00	0.001	0					0.06
46.917	0.00	0.00	0.001	0					0.06
47.000	0.00	0.00	0.001	0					0.06
47.083	0.00	0.00	0.001	0					0.05
47.167	0.00	0.00	0.001	0					0.05
47.250	0.00	0.00	0.001	0					0.05
47.333	0.00	0.00	0.001	0					0.05
47.417	0.00	0.00	0.001	0					0.05
47.500	0.00	0.00	0.001	0					0.05
47.583	0.00	0.00	0.001	0					0.05
47.667	0.00	0.00	0.001	0					0.05

47.750	0.00	0.00	0.001	0					0.05
47.833	0.00	0.00	0.001	0					0.04
47.917	0.00	0.00	0.001	0					0.04
48.000	0.00	0.00	0.001	0					0.04
48.083	0.00	0.00	0.001	0					0.04
48.167	0.00	0.00	0.001	0					0.04
48.250	0.00	0.00	0.001	0					0.04
48.333	0.00	0.00	0.001	0					0.04
48.417	0.00	0.00	0.001	0					0.04
48.500	0.00	0.00	0.001	0					0.04
48.583	0.00	0.00	0.001	0					0.04
48.667	0.00	0.00	0.001	0					0.04
48.750	0.00	0.00	0.001	0					0.04
48.833	0.00	0.00	0.001	0					0.03
48.917	0.00	0.00	0.001	0					0.03
49.000	0.00	0.00	0.001	0					0.03
49.083	0.00	0.00	0.001	0					0.03
49.167	0.00	0.00	0.001	0					0.03
49.250	0.00	0.00	0.001	0					0.03
49.333	0.00	0.00	0.001	0					0.03
49.417	0.00	0.00	0.001	0					0.03
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50.417	0.00	0.00	0.000	0					0.02
50.500	0.00	0.00	0.000	0					0.02
50.583	0.00	0.00	0.000	0					0.02
50.667	0.00	0.00	0.000	0					0.02
50.750	0.00	0.00	0.000	0					0.02
50.833	0.00	0.00	0.000	0					0.02
50.917	0.00	0.00	0.000	0					0.02
51.000	0.00	0.00	0.000	0					0.02
51.083	0.00	0.00	0.000	0					0.02
51.167	0.00	0.00	0.000	0					0.02
51.250	0.00	0.00	0.000	0					0.02
51.333	0.00	0.00	0.000	0					0.02
51.417	0.00	0.00	0.000	0					0.02
51.500	0.00	0.00	0.000	0					0.02
51.583	0.00	0.00	0.000	0					0.02
51.667	0.00	0.00	0.000	0					0.02
51.750	0.00	0.00	0.000	0					0.02
51.833	0.00	0.00	0.000	0					0.02

*****HYDROGRAPH DATA*****

Number of intervals = 622

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.036 (CFS)

Total volume = 0.077 (Ac.Ft)

Status of hydrographs being held in storage

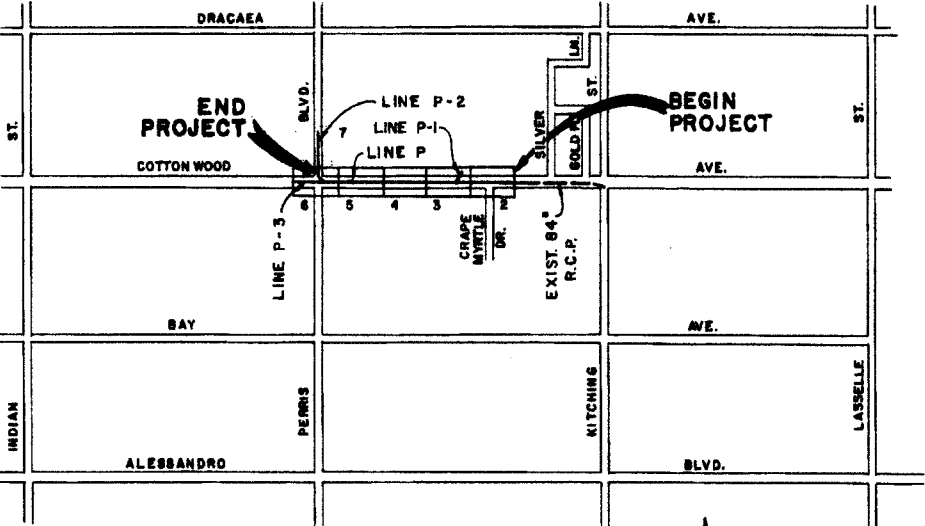
	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

E

Reference

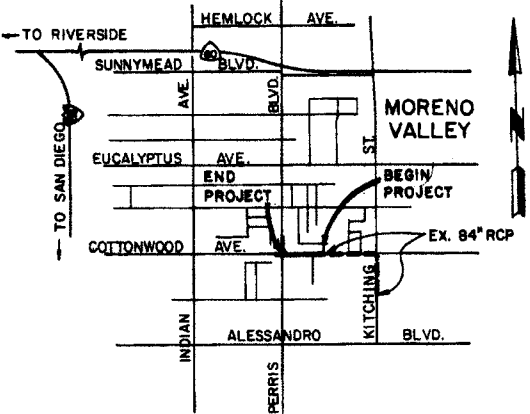
Existing 96" Storm Drain Information

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



LOCATION MAP

800' 0' 800'



VICINITY MAP
NO SCALE

GENERAL NOTES

1. TIES TO CATCH BASINS ARE FROM THE CURB RETURN TO THE CENTERLINE OF THE CATCH BASIN UNLESS OTHERWISE SHOWN, WHERE NO TIE IS SHOWN, LOCAL DEPRESSION SHALL BEGIN AT THE CURB RETURN OR AT THE BREAK IN THE CURB ADJACENT TO THE DRIVEWAY.
2. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.
3. ALL ELEVATIONS ARE IN FEET, BASED ON U.S.G. & G.S. DATUM.
4. J.S. NO. 3 AND J.S. NO. 4 SHALL BE CONSTRUCTED FOR JUNCTIONS NOT OTHERWISE SPECIFIED ON THE PLAN AND PROFILE.
5. STANDARD DRAWINGS CALLED FOR ON THE PLAN & PROFILE SHALL CONFORM TO RIVERSIDE COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS LISTED ON THIS SHEET.
6. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES SHALL BE SEALED WITH 6" OF CONCRETE NOTED ON THE PLANS AS "PLUG".
7. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
8. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS NOTED OTHERWISE.
9. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-422-4133.
10. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
11. STREET RESURFACING SHALL BE 3"A.C. OVER 6"CL. 2.A.B.
12. TOPOGRAPHIC FEATURES, BOTH CONTOURS AND CULTURE, SHOWN ON SHEETS 2-8 ARE BASED UPON AERIAL PHOTOGRAMMETRY DATED 12-5-85.

INDEX

SHEET NO.

TITLE SHEET	1
MAIN LINE PLAN AND PROFILE SHEETS	2-8
CONNECTOR PIPE PROFILES	7
R.C.B. STRUCTURAL DETAILS	
TRAFFIC PLAN	8

R. C. F. C. D. STANDARD DRAWINGS

GB 100	CATCH BASIN NO.1	
GB 101	CATCH BASIN NO.4	
GB 103	MANHOLE FRAME AND COVER FOR CATCH BASINS	
GB 104	CATCH BASIN GRATE	
GB 105	DETAIL OF CATCH BASIN OPENING	
GB 106	CATCH BASIN REINFORCEMENT	
CB 109	SPECIAL CONNECTIONS TO CATCH BASIN	9
CB 110	CONCRETE DROP INLET	10
LD 201	LOCAL DEPRESSION NO.2	
LD 202	LOCAL DEPRESSION NO.3	
JS 227	JUNCTION STRUCTURE NO.2	11-12
JS 228	JUNCTION STRUCTURE NO.3	
JS 229	JUNCTION STRUCTURE NO.4	
MH 252	MANHOLE NO.2	13
MH 254	MANHOLE NO.4	14-15
MH 255	MANHOLE FRAME & COVER, NON-ROCKING	16
MH 257	MANHOLE SHAFT FOR CAST PIPE	17
MH 259	STANDARD DROP STEP	18
TS 301	TRANSITION STRUCTURE NO.1	19
TS 303	TRANSITION STRUCTURE NO.3	20
BX 401	SINGLE CELL R.C.B. STRUCTURAL DETAILS	21
M 803	CONCRETE COLLARS FOR PIPES 12 INCHES THROUGH 66 INCHES	22
M 807	SANITARY SEWER PROTECTION	23
M 813	CURB AND GUTTER	
M 814	ABBREVIATIONS AND SYMBOLS	24
M 815	BEDDING AND PAY LINES	25
M 816	CONCRETE BULKHEAD	26
M 819	MAXIMUM CHORD LENGTHS FOR CURVED SECTION	27

RIVERSIDE CO. ROAD DEPT. STANDARDS

SHEET No.

306 A.C. OVERSIDE DRAIN

29

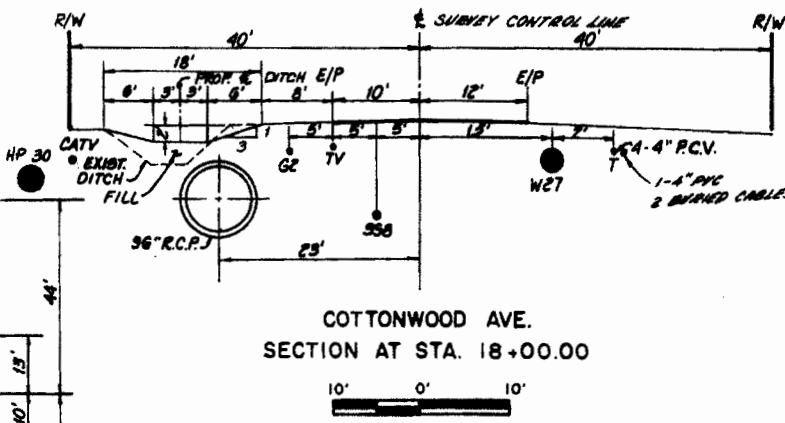
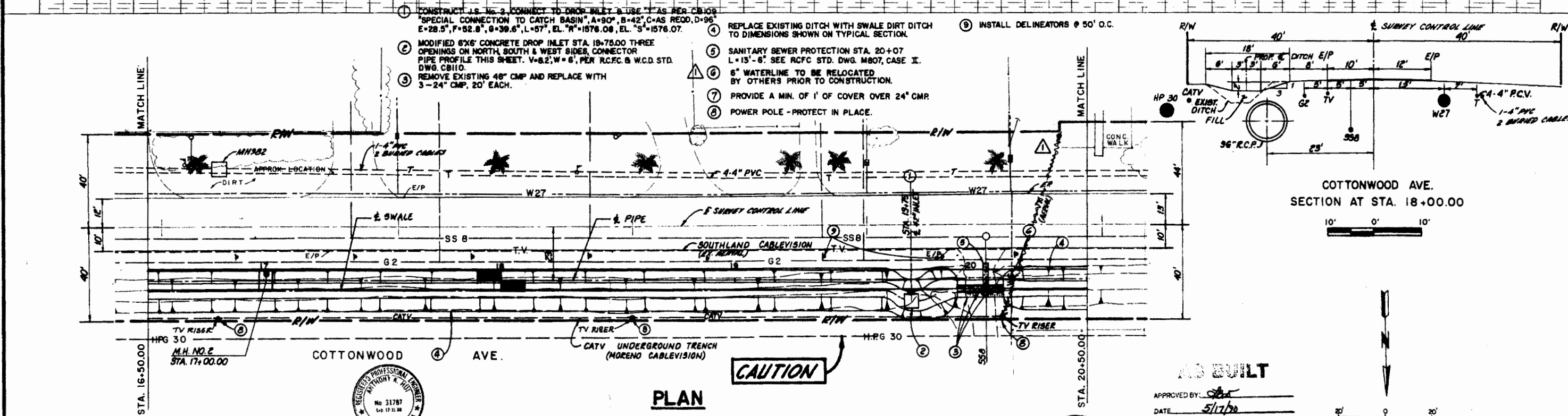
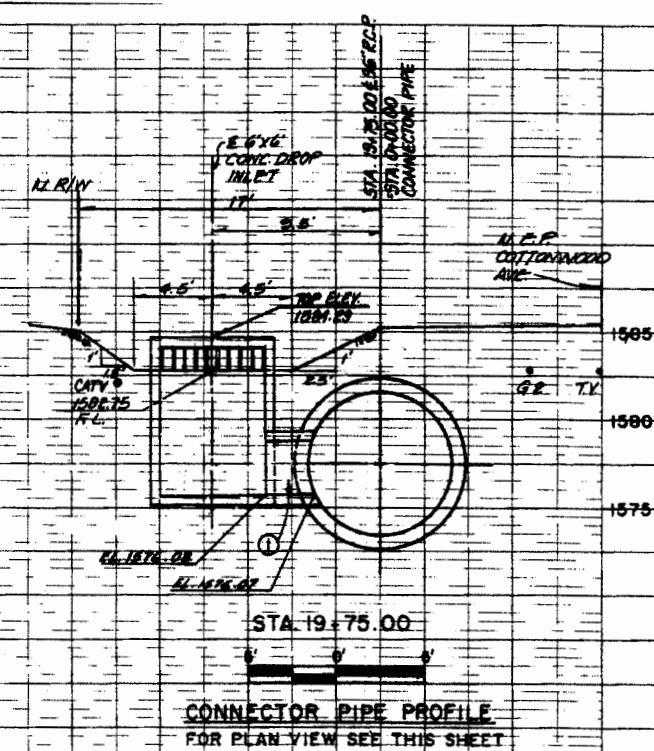
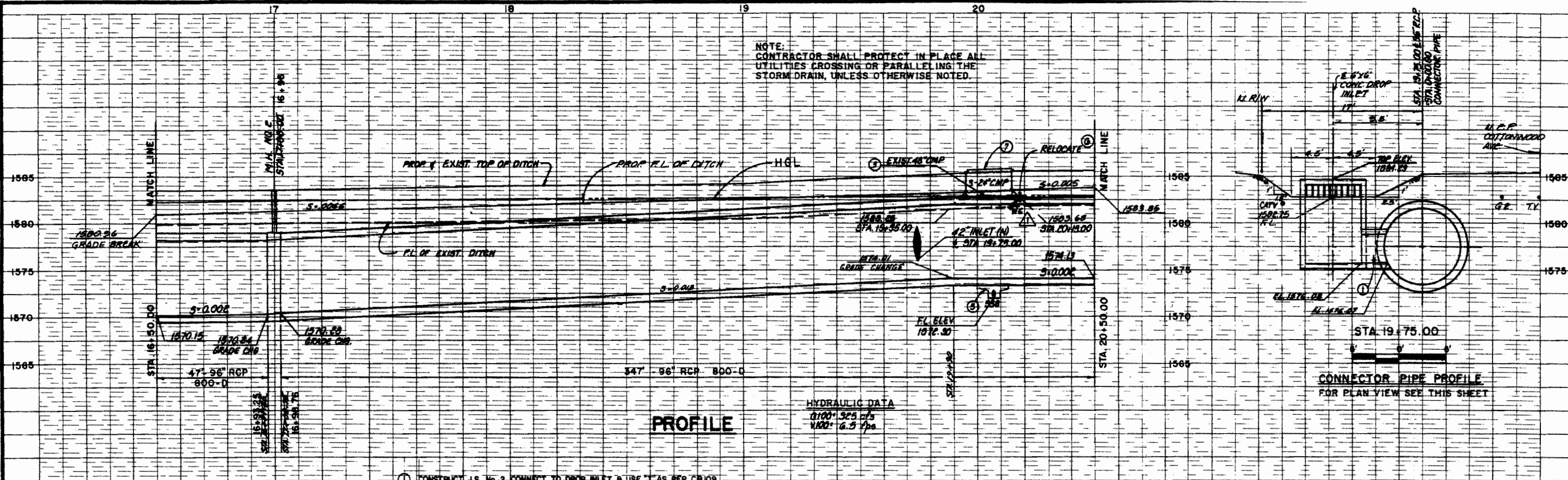
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS

A74-A DELINEATORS

28



CITY OF MORENO VALLEY ENGINEERING DEPARTMENT 12818 HEACOCK STREET, SUITE B-208 MORENO VALLEY, CA 92388 APPROVAL BY: <i>Tim D. Serlety</i> DATE: <i>7-24-87</i> CITY ENGINEER	PSOMAS & ASSOCIATES CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS 3901 LIME STREET RIVERSIDE, CA 92501 PHONE 714-787-8421 APPROVED BY: <i>Tim D. Serlety</i> DATE: <i>7-24-87</i> REG. ENG. NO. 31787 EXP. 12-31-88	BENCH MARK	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL No. 1678 WATER CONSERVATION DISTRICT DESIGNED BY: A.K.H. DRAWN BY: C.M.G. DATE DRAWN: <i>12-1-85</i> RECOMMENDED FOR APPROVAL BY: <i>Kenneth P. Serlety</i> DATE: <i>12-7-88</i> CHIEF ENGINEER R.E. NO. 12400	SUNNYMEAD LINE P STORM DRAIN TITLE SHEET	PROJECT NO. 4-0-285 DRAWING NO. 4-461 SHEET NO. 1 OF 29



PSOMAS & ASSOCIATES CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS 3901 LIME STREET RIVERSIDE, CA 92504 PHONE 714-787-8421	APPROVED BY: <i>[Signature]</i> REGISTERED ENGINEER NO. 31787	DATE: 7-14-87 EXP. DEC. 31, 1988	BENCH MARK GEAR SPIKE IN PP-20399382 38' LT. STA. 18+452 EL. 1585.455	REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>REVISE UTILITY & NOTE</td> <td>5/17/88</td> </tr> </table>	NO.	DESCRIPTION	DATE	1	REVISE UTILITY & NOTE	5/17/88	DESIGNED BY: A.K.H. DRAWN BY: C.M.G. DATE DRAWN: 5/17/88 CHECKED BY: [Signature]	RIVERSIDE COUNTY FOOD CONTROL AND WASTE CONSERVATION DISTRICT RECOMMENDED FOR APPROVAL BY: [Signature] DATE: 7-14-87	APPROVED BY: [Signature] CHIEF ENGINEER R.E. NO. 12400 DATE: 12-7-88	PROJECT NO. 4-O-285
				NO.	DESCRIPTION	DATE								
1	REVISE UTILITY & NOTE	5/17/88												
REF.	DATE: 12-7-88	PROJECT NO. 4-O-285												

SUNNYMEAD LINE P
 COTTONWOOD AVENUE
 STA. 16+50.00 TO STA. 20+50.00

DRAWING NO.
 4-461

SHEET NO.
 4 OF 29