



Author(s)	Gibber, Philip 'F'.
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⑥ THEORETICAL INVESTIGATIONS OF THE PROPERTIES
OF OBLIQUE DETONATION WAVES.
⑨ Master's thesis, by
⑪ 1963, ⑩ Philip F. Gibber.
APPENDICES G, H, and I.
⑫ 234p. (info 257 457) 210

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APPENDIX G

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PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.1	1.3646	1.0487	1.00	.7328	1.3646	.7400	.0498	.7088	.7104	3.8469	85.4450	2.4418	.9313	1.3171
1.2	1.3646	1.0487	1.00	.7328	1.3646	.7700	.1093	.7413	.7487	8.0791	79.5837	2.3725	.9374	1.3038
1.3	1.3646	1.0487	1.00	.7328	1.3646	.8000	.1415	.7741	.7861	10.0276	75.9337	2.3033	.9434	1.2905
1.4	1.3646	1.0487	1.00	.7328	1.3646	.8300	.1634	.8074	.8229	11.1377	73.0030	2.2340	.9492	1.2771
1.5	1.3646	1.0487	1.00	.7328	1.3646	.8600	.1790	.8410	.8590	11.7607	70.4630	2.1648	.9547	1.2635
1.6	1.3646	1.0487	1.00	.7328	1.3646	.8900	.1901	.8751	.8948	12.0544	68.1750	2.0955	.9600	1.2498
1.7	1.3646	1.0487	1.00	.7328	1.3646	.9200	.1973	.9096	.9303	12.1064	66.0646	2.0263	.9651	1.2360
1.8	1.3646	1.0487	1.00	.7328	1.3646	.9500	.2014	.9446	.9656	11.9711	64.0866	1.9570	.9699	1.2221
1.9	1.3646	1.0487	1.00	.7328	1.3646	.9800	.2027	.9801	1.0009	11.6845	62.2108	1.8878	.9744	1.2080
2.0	1.3646	1.0487	1.00	.7328	1.3646	1.0100	.2013	1.0162	1.0362	11.2717	60.4157	1.8185	.9786	1.1937
2.1	1.3646	1.0487	1.00	.7328	1.3646	1.0400	.1975	1.0528	1.0716	10.7504	58.6855	1.7493	.9824	1.1792
2.2	1.3646	1.0487	1.00	.7328	1.3646	1.0700	.1912	1.0900	1.1072	10.1336	57.0079	1.6800	.9859	1.1645
2.3	1.3646	1.0487	1.00	.7328	1.3646	1.1000	.1827	1.1278	1.1432	9.4304	55.3729	1.6108	.9891	1.1495
2.4	1.3646	1.0487	1.00	.7328	1.3646	1.1300	.1719	1.1663	1.1797	8.6476	53.7726	1.5415	.9918	1.1343
2.5	1.3646	1.0487	1.00	.7328	1.3646	1.1600	.1587	1.2056	1.2168	7.7896	52.2002	1.4722	.9941	1.1187
2.6	1.3646	1.0487	1.00	.7328	1.3646	1.1900	.1431	1.2456	1.2546	6.8592	50.6496	1.4030	.9961	1.1028
2.7	1.3646	1.0487	1.00	.7328	1.3646	1.2200	.1252	1.2866	1.2933	5.8578	49.1156	1.3337	.9976	1.0865
2.8	1.3646	1.0487	1.00	.7328	1.3646	1.2500	.1046	1.3285	1.3331	4.7855	47.5935	1.2645	.9987	1.0697
2.9	1.3646	1.0487	1.00	.7328	1.3646	1.2800	.0815	1.3715	1.3743	3.6410	46.0786	1.1952	.9994	1.0525
3.0	1.3646	1.0487	1.00	.7328	1.3646	1.3100	.0554	1.4158	1.4170	2.4220	44.5668	1.1260	.9998	1.0345
3.1	1.3646	1.0487	1.00	.7328	1.3646	1.3400	.0263	1.4614	1.4617	1.1246	43.0537	1.0567	1.0000	1.0159
3.2	1.3646	1.0487	1.04	.8787	1.1380	.8800	.0124	.8608	.8609	.8076	88.4488	2.0373	.9003	1.3659
3.3	1.3646	1.0487	1.04	.8787	1.1380	.9100	.0568	.8950	.8968	3.5725	82.4399	1.9653	.9023	1.3510
3.4	1.3646	1.0487	1.04	.8787	1.1380	.9400	.0725	.9297	.9325	4.4122	79.6740	1.8933	.9040	1.3360
3.5	1.3646	1.0487	1.04	.8787	1.1380	.9700	.0796	.9649	.9682	4.6907	77.7987	1.8213	.9052	1.3207
3.6	1.3646	1.0487	1.04	.8787	1.1380	1.0000	.0809	1.0007	1.0039	4.6251	76.5427	1.7493	.9061	1.3052
3.7	1.3646	1.0487	1.04	.8787	1.1380	1.0300	.0775	1.0370	1.0399	4.3009	75.8863	1.6772	.9066	1.2894
3.8	1.3646	1.0487	1.04	.8787	1.1380	1.0600	.0695	1.0739	1.0762	3.7510	75.9686	1.6052	.9066	1.2734
3.9	1.3646	1.0487	1.04	.8787	1.1380	1.0900	.0564	1.1115	1.1130	2.9620	77.1915	1.5332	.9062	1.2569
4.0	1.3646	1.0487	1.04	.8787	1.1380	1.1200	.0351	1.1498	1.1503	1.7939	80.8621	1.4612	.9053	1.2404

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PR21	TR21
2.0	1.63330	1.1227	1.00	.6124	1.63330	.6200	.0761	.5853	.5897	6.9934	85.7064	4.4738	.7235	1.6829
2.0	1.63330	1.1227	1.00	.6124	1.63330	.6500	.1658	.6170	.6367	14.3067	80.4282	4.3710	.7339	1.6650
2.0	1.63330	1.1227	1.00	.6124	1.63330	.6800	.2179	.6489	.6815	17.7700	77.1191	4.2681	.7443	1.6470
2.0	1.63330	1.1227	1.00	.6124	1.63330	.7100	.2566	.6813	.7244	19.8700	74.4639	4.1652	.7549	1.6290
2.0	1.63330	1.1227	1.00	.6124	1.63330	.7400	.2873	.7141	.7660	21.2169	72.1669	4.0623	.7656	1.6110
2.0	1.63330	1.1227	1.00	.6124	1.63330	.7700	.3124	.7472	.8064	22.0805	70.1024	3.9595	.7763	1.5929
2.0	1.63330	1.1227	1.00	.6124	1.63330	.8000	.3331	.7808	.8458	22.6070	68.2031	3.8566	.7870	1.5747
2.0	1.63330	1.1227	1.00	.6124	1.63330	.8300	.3504	.8148	.8844	22.8853	66.4279	3.7537	.7979	1.5565
2.0	1.63330	1.1227	1.00	.6124	1.63330	.8600	.3646	.8492	.9224	22.9734	64.7495	3.6508	.8087	1.5382
2.0	1.63330	1.1227	1.00	.6124	1.63330	.8900	.3762	.8841	.9599	22.9109	63.1486	3.5479	.8196	1.5199
2.0	1.63330	1.1227	1.00	.6124	1.63330	.9200	.3853	.9195	.9969	22.7262	61.6109	3.4451	.8305	1.5015
2.0	1.63330	1.1227	1.00	.6124	1.63330	.9500	.3923	.9554	1.0337	22.4398	60.1256	3.3422	.8413	1.4831
2.0	1.63330	1.1227	1.00	.6124	1.63330	.9800	.3973	.9918	1.0702	22.0669	58.6839	3.2393	.8521	1.4645
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.0100	.4003	1.0287	1.1066	21.6192	57.2789	3.1364	.8629	1.4459
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.0400	.4014	1.0662	1.1429	21.1055	55.9047	3.0335	.8735	1.4272
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.0700	.4007	1.1043	1.1792	20.5323	54.5564	2.9307	.8841	1.4084
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.1000	.3983	1.1429	1.2156	19.9048	53.2297	2.8278	.8948	1.3894
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.1300	.3941	1.1823	1.2521	19.2267	51.9210	2.7249	.9046	1.3703
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.1600	.3881	1.2222	1.2888	18.5008	50.6269	2.6220	.9145	1.3511
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.1900	.3804	1.2629	1.3259	17.7289	49.3443	2.5192	.9242	1.3317
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.2200	.3709	1.3044	1.3633	16.9120	48.0705	2.4163	.9336	1.3122
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.2500	.3596	1.3466	1.4013	16.0504	46.8027	2.3134	.9425	1.2925
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.2800	.3464	1.3897	1.4397	15.1438	45.5384	2.2105	.9511	1.2725
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.3100	.3313	1.4337	1.4789	14.1914	44.2752	2.1076	.9591	1.2522
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.3400	.3141	1.4787	1.5188	13.1914	43.0105	2.0048	.9666	1.2317
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.3700	.2947	1.5248	1.5597	12.1415	41.7420	1.9019	.9735	1.2109
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.4000	.2731	1.5721	1.6017	11.0389	40.4670	1.7990	.9797	1.1896
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.4300	.2490	1.6206	1.6450	9.8794	39.1829	1.6961	.9852	1.1679
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.4600	.2223	1.6706	1.6898	8.6583	37.8868	1.5932	.9898	1.1457
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.4900	.1927	1.7222	1.7365	7.3695	36.5757	1.4904	.9936	1.1228
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.5200	.1599	1.7756	1.7854	6.0055	35.2461	1.3875	.9964	1.0992
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.5500	.1235	1.8312	1.8370	4.5568	33.8943	1.2846	.9984	1.0747
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.5800	.0831	1.8894	1.8920	3.0118	32.5159	1.1817	.9995	1.0490
2.0	1.63330	1.1227	1.00	.6124	1.63330	1.6100	.0381	1.9506	1.9511	1.3559	31.1058	1.0789	1.0000	1.0219
2.0	1.63330	1.1227	1.04	.6729	1.4861	.6800	.0647	.6464	.6493	5.4348	85.9831	4.1748	.7093	1.7955
2.0	1.63330	1.1227	1.04	.6729	1.4861	.7100	.1444	.6785	.6924	11.4985	80.7953	4.0678	.7163	1.7765
2.0	1.63330	1.1227	1.04	.6729	1.4861	.7400	.1895	.7110	.7339	14.3642	77.5919	3.9608	.7242	1.7575
2.0	1.63330	1.1227	1.04	.6729	1.4861	.7700	.2222	.7438	.7742	16.0941	75.6372	3.8538	.7320	1.7385
2.0	1.63330	1.1227	1.04	.6729	1.4861	.8000	.2474	.7771	.8134	17.1843	72.8416	3.7468	.7398	1.7194
2.0	1.63330	1.1227	1.04	.6729	1.4861	.8300	.2674	.8108	.8518	17.8550	70.8813	3.6398	.7475	1.7002
2.0	1.63330	1.1227	1.04	.6729	1.4861	.8600	.2832	.8449	.8895	18.2268	69.0911	3.5328	.7551	1.6809
2.0	1.63330	1.1227	1.04	.6729	1.4861	.8900	.2956	.8795	.9267	18.3739	67.4319	3.4259	.7625	1.6615
2.0	1.63330	1.1227	1.04	.6729	1.4861	.9200	.3051	.9145	.9634	18.3450	65.8783	3.3189	.7698	1.6420
2.0	1.63330	1.1227	1.04	.6729	1.4861	.9500	.3119	.9500	.9999	18.1736	64.4131	3.2119	.7769	1.6225
2.0	1.63330	1.1227	1.04	.6729	1.4861	.9800	.3162	.9860	1.0360	17.8838	63.0244	3.1049	.7838	1.6028
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.0100	.3183	1.0225	1.0721	17.4931	61.7042	2.9979	.7904	1.5830
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.0400	.3182	1.0596	1.1081	17.0142	60.4472	2.8909	.7968	1.5631
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.0700	.3161	1.0972	1.1441	16.4568	59.2507	2.7839	.8029	1.5430
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.1000	.3118	1.1354	1.1802	15.8278	58.1144	2.6769	.8086	1.5227
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.1300	.3056	1.1743	1.2165	15.1324	57.0403	2.5699	.8139	1.5023
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.1600	.2973	1.2139	1.2531	14.3738	56.0336	2.4629	.8187	1.4816
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.1900	.2869	1.2541	1.2901	13.5541	55.1029	2.3559	.8231	1.4607
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.2200	.2744	1.2952	1.3275	12.6740	54.2625	2.2489	.8269	1.4395
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.2500	.2596	1.3371	1.3656	11.7329	53.5341	2.1419	.8302	1.4180
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.2800	.2425	1.3798	1.4044	10.7290	52.9517	2.0349	.8327	1.3962
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.3100	.2229	1.4235	1.4440	9.6585	52.5697	1.9279	.8346	1.3739
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.3400	.2006	1.4683	1.4847	8.5158	52.4789	1.8209	.8357	1.3512
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.3700	.1753	1.5143	1.5267	7.2913	52.6411	1.7140	.8359	1.3279
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.4000	.1464	1.5616	1.5701	5.9687	53.9751	1.6070	.8353	1.3039
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.4300	.1129	1.6104	1.6154	4.5135	56.6130	1.5000	.8337	1.2792
2.0	1.63330	1.1227	1.04	.6729	1.4861	1.4600	.0720	1.6610	1.6630	2.8214	63.0106	1.3930	.8312	1.2535
2.0	1.63330	1.1227	1.08	.7556	1.3234	.7600	.0417	.7299	.7310	3.1436	87.0550	3.7852	.6902	1.8968
2.0	1.63330	1.1227	1.08	.7556	1.3234	.7900	.1130	.7628	.7706	8.1410	81.7701	3.6741	.6955	1.8767
2.0	1.63330	1.1227	1.08	.7556	1.3234	.8200	.1492	.7961	.8091	10.3155	78.7650	3.5630	.7005	1.8564
2.0	1.63330	1.1227	1.08	.7556	1.3234	.8500	.1740	.8297	.8469	11.5695	76.4379	3.4519	.7053	1.8361
2.0	1.63330	1.1227	1.08	.7556	1.3234	.8800	.1919	.8638	.8841	12.2994	74.4898	3.3408	.7099	1.8157
2.0	1.63330	1.1227	1.08	.7556	1.3234	.9100	.2047	.8984	.9208	12.6775	72.8015	3.2297	.7142	1.7951
2.0	1.63330	1.1227	1.08	.7556	1.3234	.9400	.2135	.9334	.9572	12.7978	71.3143	3.1186	.7182	1.7744

GAMMA = 1.4

LOOP BRANCH (M) FROM 1 TO 5)

[illegible][illegible]

[illegible]

[illegible]

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

[illegible]

[illegible]

[illegible]

GAMMA = 1.4

[illegible]

1.17228	1.8314	19.8347	49.3228	8.2167	1712	3.7914
1.7758	1.8769	18.8895	48.8184	7.7825	1739	3.7163
1.3021	1.9233	17.8996	48.8389	7.7482	1764	3.6410
1.1886	1.9708	16.8597	48.8580	6.9180	1786	3.5652
1.1003	2.0194	15.7627	47.8523	6.4798	1806	3.4891
1.0435	2.0693	14.5992	47.8173	6.0455	1821	3.4124
1.0025	2.1207	13.3565	48.8197	5.6113	1831	3.3350
1.0633	2.1738	12.0184	48.5687	5.1770	1836	3.2568
1.1261	2.2288	10.5512	49.6530	4.7428	1833	3.1776
1.1911	2.2862	8.9139	51.6335	4.3085	1822	3.0971
1.2586	2.3465	7.0106	55.3164	3.8743	1800	3.0149
1.3289	2.4103	4.5749	63.1357	3.4400	1766	2.9302
1.4026						
1.4775						
1.5534						
1.6303						
1.7082						
1.7871						
1.8670						
1.9479						
2.0298						
2.1127						
2.1966						
2.2815						
2.3674						
2.4543						
2.5422						
2.6311						
2.7210						
2.8119						
2.9038						
2.9967						
3.0906						
3.1855						
3.2814						
3.3783						
3.4762						
3.5751						
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8.8748						
9.0217						
9.1696						
9.3185						
9.4684						
9.6193						
9.7712						
9.9241						
10.0780						
10.2329						
10.3888						
10.5457						

[illegible]

GAMMA = 1.4

[illegible]

[illegible]

[illegible]

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DEL MAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SICMA	PR21	PTR21	TR21
8.00	2.3591	1.3915	1.00	.4239	2.3591	.4300	.1077	.3991	.4114	14.0566	86.2056	74.2681	.0085	13.3481
8.00	2.3591	1.3915	1.00	.4239	2.3591	.4800	.3221	.4509	.5430	33.8607	80.2742	72.3691	.0091	13.0315
8.00	2.3591	1.3915	1.00	.4239	2.3591	.5300	.4369	.5040	.6532	39.4991	76.5663	70.4700	.0096	12.7149
8.00	2.3591	1.3915	1.00	.4239	2.3591	.5800	.5225	.5586	.7518	42.0146	73.2329	68.5710	.0102	12.3984
8.00	2.3591	1.3915	1.00	.4239	2.3591	.6300	.5917	.6146	.8433	43.2060	71.1077	66.6719	.0109	12.0818
8.00	2.3591	1.3915	1.00	.4239	2.3591	.6800	.6498	.6723	.9299	43.7008	68.8424	64.7729	.0116	11.7652
8.00	2.3591	1.3915	1.00	.4239	2.3591	.7300	.6996	.7316	1.0134	43.7817	66.7591	62.8738	.0124	11.4486
8.00	2.3591	1.3915	1.00	.4239	2.3591	.7800	.7427	.7928	1.0947	43.5963	64.8109	60.9748	.0132	11.1320
8.00	2.3591	1.3915	1.00	.4239	2.3591	.8300	.7802	.8559	1.1746	43.2291	62.9669	59.0757	.0142	10.8154
8.00	2.3591	1.3915	1.00	.4239	2.3591	.8800	.8129	.9210	1.2539	42.7319	61.2053	57.1767	.0152	10.4988
8.00	2.3591	1.3915	1.00	.4239	2.3591	.9300	.8415	.9883	1.3329	42.1384	59.5100	55.2776	.0164	10.1822
8.00	2.3591	1.3915	1.00	.4239	2.3591	.9800	.8661	1.0581	1.4121	41.4708	57.8687	53.3786	.0177	9.8656
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.0300	.8873	1.1303	1.4919	40.7445	56.2716	51.4795	.0191	9.5490
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.0800	.9053	1.2054	1.5728	39.9704	54.7107	49.5805	.0207	9.2324
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.1300	.9202	1.2834	1.6550	39.1559	53.1792	47.6814	.0225	8.9157
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.1800	.9321	1.3646	1.7390	38.3066	51.6714	45.7824	.0246	8.5991
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.2300	.9413	1.4494	1.8251	37.4263	50.1823	43.8833	.0268	8.2824
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.2800	.9477	1.5380	1.9137	36.5173	48.7072	41.9843	.0294	7.9658
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.3300	.9515	1.6308	2.0052	35.5815	47.2419	40.0852	.0324	7.6491
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.3800	.9527	1.7282	2.1001	34.6195	45.7824	38.1862	.0358	7.3324
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.4300	.9512	1.8308	2.1989	33.6315	44.3250	36.2871	.0397	7.0156
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.4800	.9471	1.9391	2.3022	32.6172	42.8659	34.3880	.0442	6.6989
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.5300	.9404	2.0533	2.4107	31.5755	41.4011	32.4890	.0495	6.3821
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.5800	.9309	2.1756	2.5251	30.5049	39.9269	30.5899	.0557	6.0653
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.6300	.9186	2.3055	2.6464	29.4032	38.4389	28.6909	.0630	5.7484
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.6800	.9034	2.4445	2.7755	28.2677	36.9326	26.7918	.0717	5.4315
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.7300	.8851	2.5941	2.9139	27.0948	35.4031	24.8928	.0823	5.1146
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.7800	.8636	2.7559	3.0631	25.8800	33.8446	22.9937	.0951	4.7975
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.8300	.8385	2.9319	3.2250	24.6175	32.2504	21.0947	.1108	4.4804
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.8800	.8097	3.1246	3.4021	23.3001	30.6126	19.1956	.1304	4.1631
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.9300	.7766	3.3375	3.5975	21.9182	28.9217	17.2966	.1551	3.8457
8.00	2.3591	1.3915	1.00	.4239	2.3591	1.9800	.7387	3.5748	3.8154	20.4593	27.1655	15.3975	.1867	3.5281
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.0300	.6953	3.8422	4.0614	18.9062	25.3282	13.4985	.2278	3.2101
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.0800	.6452	4.1480	4.3430	17.2347	23.3886	11.5994	.2821	2.8917
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.1300	.5870	4.5035	4.6714	15.4084	21.3166	9.7004	.3552	2.5725
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.1800	.5181	4.9262	5.0634	13.3688	19.0669	7.8013	.4551	2.2521
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.2300	.4339	5.4445	5.5467	11.0117	16.5647	5.9023	.5918	1.9272
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.2800	.3251	6.1115	6.1733	8.1154	13.6694	4.0032	.7717	1.6066
8.00	2.3591	1.3915	1.00	.4239	2.3591	2.3300	.1641	7.0628	7.0803	4.0298	10.6433	2.1042	.9594	1.2516
8.00	2.3591	1.3915	1.04	.4491	2.2269	.4500	.0405	.4180	.4197	5.1450	88.7543	72.3249	.0084	14.4182
8.00	2.3591	1.3915	1.04	.4491	2.2269	.5000	.2941	.4698	.5451	30.4677	80.7859	70.8499	.0089	14.0889
8.00	2.3591	1.3915	1.04	.4491	2.2269	.5500	.4079	.5229	.6511	36.5635	76.9740	68.8748	.0094	13.7596
8.00	2.3591	1.3915	1.04	.4491	2.2269	.6000	.4912	.5774	.7462	39.3066	74.0019	66.8998	.0099	13.4303
8.00	2.3591	1.3915	1.04	.4491	2.2269	.6500	.5578	.6334	.8346	40.6362	71.4594	64.9248	.0105	13.1009
8.00	2.3591	1.3915	1.04	.4491	2.2269	.7000	.6132	.6908	.9184	41.2204	69.1869	62.9498	.0111	12.7716
8.00	2.3591	1.3915	1.04	.4491	2.2269	.7500	.6603	.7499	.9991	41.3597	67.1022	60.9748	.0118	12.4422
8.00	2.3591	1.3915	1.04	.4491	2.2269	.8000	.7006	.8107	1.0776	41.2111	65.1565	58.9998	.0126	12.1128
8.00	2.3591	1.3915	1.04	.4491	2.2269	.8500	.7354	.8733	1.1548	40.8647	63.3177	57.0248	.0134	11.7834
8.00	2.3591	1.3915	1.04	.4491	2.2269	.9000	.7653	.9379	1.2311	40.3759	61.5636	55.0497	.0142	11.4540
8.00	2.3591	1.3915	1.04	.4491	2.2269	.9500	.7910	1.0045	1.3071	39.7804	59.8778	53.0747	.0152	11.1246
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.0000	.8127	1.0734	1.3832	39.1022	58.2478	51.0997	.0163	10.7952
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.0500	.8310	1.1447	1.4598	38.3576	56.6636	49.1247	.0174	10.4657
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.1000	.8458	1.2185	1.5371	37.5582	55.1174	47.1497	.0187	10.1362
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.1500	.8576	1.2951	1.6156	36.7118	53.6024	45.1747	.0201	9.8067
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.2000	.8662	1.3743	1.6955	35.8243	52.1131	43.1997	.0217	9.4771
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.2500	.8720	1.4576	1.7772	34.8992	50.6446	41.2246	.0234	9.1476
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.3000	.8749	1.5440	1.8610	33.9391	49.1926	39.2496	.0254	8.8179
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.3500	.8749	1.6342	1.9474	32.9452	47.7532	37.2746	.0275	8.4882
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.4000	.8720	1.7286	2.0366	31.9179	46.3230	35.2996	.0299	8.1585
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.4500	.8663	1.8277	2.1291	30.8567	44.8986	33.3246	.0327	7.8287
8.00	2.3591	1.3915	1.04	.4491	2.2269	1.5000	.8577	1.9319	2.2251	29.7664	43.4772	31.3496	.0357	7.4989

8.0	2.3591	1.3915	1.20	.5725	1.7466	1.3300	.5508	1.5006	1.6242	22.4750	56.2258	29.9822	.0135	13.0087
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.3800	.5326	1.5805	1.6741	21.1023	55.4533	27.7034	.0139	12.6253
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.4300	.5090	1.6632	1.7655	19.5933	54.6731	25.4245	.0142	12.2412
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.4800	.4794	1.7491	1.8386	17.9479	54.5581	23.1457	.0145	11.8562
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.5300	.4426	1.8384	1.9138	16.1335	54.6327	20.8668	.0146	11.4702
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.5800	.3967	1.9314	1.9713	14.0955	55.3266	18.5879	.0147	11.0826
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.6300	.3385	2.0285	2.0717	11.7310	57.1162	16.3091	.0146	10.6929
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.6800	.2602	2.1302	2.1556	8.8034	57.1136	14.0302	.0143	10.3000
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.7300	.1316	2.2372	2.2437	4.3515	72.7334	11.7513	.0138	9.9021
8.0	2.3591	1.3915	1.24	.6130	1.6313	.6200	.0834	.5854	.5907	7.6578	86.6159	41.4002	.0080	19.8349
8.0	2.3591	1.3915	1.24	.6130	1.6313	.6700	.2318	.6390	.6761	19.0823	80.4092	59.0453	.0082	19.4414
8.0	2.3591	1.3915	1.24	.6130	1.6313	.7200	.3091	.6937	.7549	23.2311	77.5386	56.6905	.0085	19.0478
8.0	2.3591	1.3915	1.24	.6130	1.6313	.7700	.3638	.7497	.8291	25.2882	74.4029	54.3357	.0087	18.6541
8.0	2.3591	1.3915	1.24	.6130	1.6313	.8200	.4052	.8069	.9001	26.2964	72.6692	51.9809	.0090	18.2603
8.0	2.3591	1.3915	1.24	.6130	1.6313	.8700	.4371	.8655	.9686	26.6771	70.4038	49.6260	.0093	17.8664
8.0	2.3591	1.3915	1.24	.6130	1.6313	.9200	.4615	.9255	1.0354	26.6413	68.4389	47.2712	.0096	17.4723
8.0	2.3591	1.3915	1.24	.6130	1.6313	.9700	.4796	.9870	1.1011	26.3080	67.3366	44.9164	.0098	17.0781
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.0200	.4920	1.0501	1.1658	25.7485	65.6753	42.5616	.0101	16.6836
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.0700	.4991	1.1148	1.2302	25.0074	64.3444	40.2067	.0104	16.2890
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.1200	.5013	1.1813	1.2943	24.1124	63.3416	37.8519	.0107	15.8940
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.1700	.4986	1.2497	1.3584	23.0796	62.2727	35.4971	.0109	15.4988
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.2200	.4909	1.3201	1.4229	21.9168	61.3524	33.1423	.0112	15.1031
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.2700	.4780	1.3926	1.4879	20.6238	60.6075	30.7874	.0114	14.7070
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.3200	.4595	1.4673	1.5537	19.1931	60.0822	28.4326	.0116	14.3102
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.3700	.4348	1.5445	1.6204	17.6073	59.6492	26.0778	.0117	13.9127
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.4200	.4028	1.6243	1.6884	15.8352	60.3321	23.7230	.0118	13.5142
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.4700	.3616	1.7069	1.7578	13.8205	60.6549	21.3681	.0118	13.1144
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.5200	.3080	1.7926	1.8291	11.4532	62.7725	19.0133	.0117	12.7128
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.5700	.2337	1.8818	1.9025	8.4672	66.4211	16.6585	.0115	12.3086
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.6200	.1024	1.9747	1.9786	3.6178	78.5891	14.3037	.0111	11.9006
8.0	2.3591	1.3915	1.28	.6607	1.5135	.6700	.0875	.6363	.6417	7.4388	86.4627	58.0275	.0078	20.8895
8.0	2.3591	1.3915	1.28	.6607	1.5135	.7200	.2146	.6906	.7206	16.5939	81.6680	55.5967	.0080	20.4829
8.0	2.3591	1.3915	1.28	.6607	1.5135	.7700	.2819	.7459	.7944	20.1060	77.4030	53.1659	.0083	20.0763
8.0	2.3591	1.3915	1.28	.6607	1.5135	.8200	.3285	.8026	.8646	21.8310	75.4447	50.7351	.0085	19.6695
8.0	2.3591	1.3915	1.28	.6607	1.5135	.8700	.3625	.8604	.9321	22.6199	73.5892	48.3043	.0087	19.2625
8.0	2.3591	1.3915	1.28	.6607	1.5135	.9200	.3872	.9197	.9978	22.8271	71.6154	45.8735	.0089	18.8553
8.0	2.3591	1.3915	1.28	.6607	1.5135	.9700	.4044	.9803	1.0621	22.6336	70.6654	43.4427	.0091	18.4479
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.0200	.4150	1.0424	1.1254	22.1413	68.7116	41.0119	.0093	18.0403
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.0700	.4195	1.1061	1.1881	21.4103	67.5452	38.5812	.0094	17.6323
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.1200	.4182	1.1714	1.2504	20.4753	66.5728	36.1504	.0096	17.2239
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.1700	.4110	1.2385	1.3127	19.3535	65.6171	33.7196	.0097	16.8151
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.2200	.3975	1.3074	1.3751	18.0478	65.5216	31.2888	.0098	16.4057
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.2700	.3773	1.3784	1.4379	16.5464	65.1618	28.8580	.0099	15.9955
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.3200	.3492	1.4514	1.5013	14.8178	65.4689	26.4272	.0100	15.5845
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.3700	.3112	1.5267	1.5656	12.7969	66.4849	23.9964	.0099	15.1723
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.4200	.2591	1.6045	1.6309	10.3416	68.7154	21.5656	.0098	14.7585
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.4700	.1818	1.6849	1.6977	7.0488	73.5386	19.1349	.0096	14.3425
8.0	2.3591	1.3915	1.32	.7206	1.3877	.7300	.0777	.6985	.7024	6.0731	86.6411	54.0015	.0077	21.8853
8.0	2.3591	1.3915	1.32	.7206	1.3877	.7800	.1878	.7536	.7751	13.5368	81.6103	51.4747	.0078	21.4656
8.0	2.3591	1.3915	1.32	.7206	1.3877	.8300	.2440	.8099	.8442	16.3337	78.7188	48.9880	.0080	21.0457
8.0	2.3591	1.3915	1.32	.7206	1.3877	.8800	.2809	.8674	.9105	17.7015	76.5377	46.4812	.0081	20.6256
8.0	2.3591	1.3915	1.32	.7206	1.3877	.9300	.3054	.9261	.9748	18.1818	74.7884	43.9745	.0083	20.2051
8.0	2.3591	1.3915	1.32	.7206	1.3877	.9800	.3206	.9863	1.0377	18.1147	73.3694	41.4677	.0084	19.7844
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.0300	.3277	1.0478	1.0995	17.6465	72.2454	38.9610	.0085	19.3633
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.0800	.3272	1.1108	1.1607	16.8542	71.4195	36.4542	.0086	18.9417
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.1300	.3192	1.1754	1.2214	15.7732	70.4298	33.9475	.0087	18.5196
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.1800	.3031	1.2417	1.2820	14.4068	70.6584	31.4407	.0087	18.0968
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.2300	.2777	1.3077	1.3427	12.7211	71.5629	28.9340	.0087	17.6732
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.2800	.2400	1.3796	1.4037	10.6189	72.7591	26.4272	.0087	17.2484
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.3300	.1829	1.4516	1.4652	7.8296	75.6103	23.9205	.0086	16.8222
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.3800	.0692	1.5257	1.5276	2.8716	84.1302	21.4137	.0084	16.3940
8.0	2.3591	1.3915	1.36	.8067	1.2396	.8100	.0370	.7836	.7844	2.6153	88.4528	48.7601	.0075	22.7216
8.0	2.3591	1.3915	1.36	.8067	1.2396	.8600	.1404	.8400	.8511	9.2712	83.1165	46.1774	.0076	22.2943
8.0	2.3591	1.3915	1.36	.8067	1.2396	.9100	.1820	.8976	.9154	11.3101	80.7120	43.5947	.0077	21.8608
8.0	2.3591	1.3915	1.36	.8067	1.2396	.9600	.2040	.9565	.9779	11.9993	79.1332	41.0119	.0078	21.4268
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.0100	.2127	1.0167	1.0390	11.8937	78.1393	38.4292	.0078	20.9924
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.0600	.2098	1.0762	1.0991	11.1940	77.7098	35.8465	.0078	20.5574
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.1100	.1947	1.1412	1.1587	9.9504	77.4584	33.2631	.0078	20.1217
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.1600	.1645	1.2058	1.2179	8.0689	79.4099	30.6811	.0078	19.6851
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.2100	.1069	1.2720	1.2770	5.0493	82.5075	28.0984	.0077	19.2475

[illegible]

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.4200	.1144	.3896	.4038	15.2323	86.7253	227.7539	.0006	38.9305
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.4700	.3312	.4414	.5400	35.1701	80.3554	222.0817	.0007	37.9851
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.5200	.4486	.4945	.6532	40.7869	76.7063	216.4095	.0007	37.0397
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.5700	.5365	.5491	.7541	43.2684	73.8168	210.7374	.0007	36.0943
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.6200	.6079	.6053	.8477	44.4332	71.3291	205.0652	.0008	35.1490
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.6700	.6679	.6631	.9363	44.9100	69.0976	199.3931	.0009	34.2036
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.7200	.7195	.7226	1.0216	44.9804	67.0459	193.7209	.0009	33.2582
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.7700	.7644	.7840	1.1047	44.7905	65.1278	188.0487	.0010	32.3128
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.8200	.8037	.8474	1.1866	44.4240	63.3130	182.3766	.0011	31.3674
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.8700	.8382	.9130	1.2677	43.9318	61.5800	176.7044	.0011	30.4220
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.9200	.8684	.9808	1.3487	43.3470	59.9130	171.0323	.0012	29.4767
1.000000	2.4188	1.4161	1.00	.4134	2.4188	.9700	.8948	1.0511	1.4300	42.6914	58.2999	165.3601	.0013	28.5313
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.0200	.9178	1.1240	1.5121	41.9802	56.7312	159.6879	.0014	27.5859
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.0700	.9375	1.1999	1.5953	41.2239	55.1989	154.0158	.0016	26.6405
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.1200	.9542	1.2788	1.6800	40.4301	53.6965	148.3436	.0017	25.6951
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.1700	.9680	1.3612	1.7667	39.6041	52.2185	142.6715	.0019	24.7497
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.2200	.9791	1.4473	1.8558	38.7498	50.7598	136.9993	.0021	23.8043
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.2700	.9876	1.5374	1.9476	37.8697	49.3161	131.3271	.0023	22.8588
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.3200	.9934	1.6321	2.0427	36.9656	47.8834	125.6550	.0026	21.9134
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.3700	.9968	1.7317	2.1415	36.0384	46.4580	119.9828	.0028	20.9680
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.4200	.9976	1.8368	2.2447	35.0887	45.0361	114.3107	.0032	20.0226
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.4700	.9959	1.9480	2.3529	34.1163	43.6143	108.6385	.0036	19.0771
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.5200	.9917	2.0661	2.4669	33.1206	42.1891	102.9663	.0041	18.1317
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.5700	.9849	2.1920	2.5875	32.1005	40.7569	97.2942	.0046	17.1863
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.6200	.9755	2.3267	2.7159	31.0547	39.3139	91.6220	.0053	16.2408
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.6700	.9634	2.4715	2.8533	29.9811	37.8561	85.9499	.0061	15.2953
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.7200	.9486	2.6280	3.0012	28.8772	36.3591	80.2777	.0072	14.3498
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.7700	.9308	2.7982	3.1615	27.7397	34.8781	74.6055	.0085	13.4043
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.8200	.9100	2.9844	3.3366	26.5648	33.3475	68.9334	.0101	12.4588
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.8700	.8858	3.1898	3.5296	25.3474	31.7808	63.2612	.0122	11.5132
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.9200	.8581	3.4185	3.7444	24.0813	30.1701	57.5891	.0150	10.5676
1.000000	2.4188	1.4161	1.00	.4134	2.4188	1.9700	.8264	3.6758	3.9862	22.7585	28.5062	51.9169	.0188	9.6219
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.0200	.7903	3.9693	4.2623	21.3684	26.7768	46.2447	.0240	8.6762
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.0700	.7492	4.3092	4.5827	19.8971	24.9666	40.5726	.0316	7.7303
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.1200	.7021	4.7109	4.9626	18.3250	23.0544	34.9004	.0429	6.7843
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.1700	.6479	5.1981	5.4249	16.6236	21.0104	29.2283	.0608	5.8381
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.2200	.5844	5.8098	6.0077	14.7485	18.7895	23.5561	.0910	4.8914
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.2700	.5084	6.6158	6.7797	12.6236	16.2175	17.8839	.1468	3.9439
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.3200	.4131	7.7529	7.8819	10.0468	13.4540	12.2118	.2628	2.9944
1.000000	2.4188	1.4161	1.00	.4134	2.4188	2.3700	.2809	9.6088	9.6761	6.7601	9.2607	6.5396	.5412	2.0380
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.4400	.0681	.4085	.4133	8.7976	87.9812	223.4884	.0006	42.0438
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.4900	.3063	.4603	.5428	32.0099	80.7553	217.5893	.0006	41.0605
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.5400	.4219	.5135	.6516	38.0010	77.0300	211.6903	.0007	40.0772
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.5900	.5071	.5680	.7490	40.6812	74.1129	205.7913	.0007	39.0939
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.6400	.5757	.6240	.8393	41.9703	71.0136	199.8922	.0008	38.1106
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.6900	.6329	.6816	.9250	42.5288	69.5780	193.9932	.0008	37.1273
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.7400	.6817	.7409	1.0074	42.6532	67.3266	188.0941	.0009	36.1440
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.7900	.7238	.8020	1.0877	42.4978	65.4116	182.1951	.0009	35.1607
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.8400	.7604	.8649	1.1666	42.1510	63.0020	176.2960	.0010	34.1774
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.8900	.7920	.9299	1.2448	41.6671	61.0758	170.3970	.0011	33.1941
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.9400	.8195	.9970	1.3226	41.0812	60.2170	164.4979	.0011	32.2107
1.000000	2.4188	1.4161	1.04	.4375	2.2858	.9900	.8430	1.0664	1.4007	40.4165	58.2134	158.5989	.0012	31.2274
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.0400	.8631	1.1383	1.4793	39.6891	57.0554	152.6998	.0013	30.2440
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.0900	.8798	1.2129	1.5588	38.9104	55.8350	146.8008	.0014	29.2606
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.1400	.8935	1.2905	1.6396	38.0881	54.0459	140.9017	.0015	28.2772
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.1900	.9042	1.3711	1.7220	37.2280	52.5824	135.0027	.0017	27.2938
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.2400	.9120	1.4552	1.8064	36.3339	51.1398	129.1036	.0018	26.3103
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.2900	.9170	1.5430	1.8931	35.4083	49.7138	123.2046	.0020	25.3269
1.000000	2.4188	1.4161	1.04	.4375	2.2858	1.3400	.9193	1.6344	1.9726	34.4528	48.2007	117.3056	.0022	24.3434

14.0	2.4188	1.4161	1.24	.5904	1.6936	1.2500	.5455	1.2977	1.4277	24.4470	60.7013	113.6300	.0008	46.2804
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.3000	.5377	1.3723	1.4739	23.2773	59.7523	106.5965	.0009	45.0856
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.3500	.5252	1.4473	1.5609	21.9969	58.5472	99.5630	.0009	43.9109
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.4000	.5074	1.5247	1.6288	20.5986	57.3198	92.5296	.0009	42.7357
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.4500	.4839	1.6047	1.6778	19.0681	57.247	85.4261	.0009	41.5602
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.5000	.4539	1.6875	1.7683	17.3808	57.2516	78.4626	.0009	40.3841
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.5500	.4159	1.7734	1.8403	15.4952	58.2564	71.4291	.0009	39.2073
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6000	.3675	1.8626	1.9142	13.3368	59.4340	64.3956	.0010	38.0296
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6500	.3039	1.9554	1.9903	10.7535	62.6281	57.3622	.0010	36.8507
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6500	.2121	2.0521	2.0690	7.3248	67.2241	50.3287	.0009	35.6702
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6500	.2121	2.0521	2.0690	7.3248	67.2241	43.2952	.0009	34.4873
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6500	.2121	2.0521	2.0690	7.3248	67.2241	43.2952	.0009	33.3011
14.0	2.4188	1.4161	1.28	.6331	1.5796	.6400	.0805	.6056	.6104	7.1719	86.5227	182.4673	.0006	61.2962
14.0	2.4188	1.4161	1.28	.6331	1.5796	.6900	.2243	.6595	.6735	13.0104	81.1932	175.2070	.0006	60.0850
14.0	2.4188	1.4161	1.28	.6331	1.5796	.7400	.2986	.7145	.7705	21.9761	77.5423	167.9466	.0006	58.8736
14.0	2.4188	1.4161	1.28	.6331	1.5796	.7900	.3508	.7708	.8433	23.9413	75.4143	160.6862	.0006	57.6622
14.0	2.4188	1.4161	1.28	.6331	1.5796	.8400	.3897	.8283	.9131	24.8907	73.2862	153.4259	.0006	56.4506
14.0	2.4188	1.4161	1.28	.6331	1.5796	.8900	.4193	.8872	.9807	25.2248	71.4295	146.1655	.0007	55.2389
14.0	2.4188	1.4161	1.28	.6331	1.5796	.9400	.4412	.9474	1.0466	25.1454	69.7802	138.9051	.0007	54.0270
14.0	2.4188	1.4161	1.28	.6331	1.5796	.9900	.4567	1.0092	1.1115	24.7663	68.3041	131.6448	.0007	52.8149
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.0400	.4664	1.0726	1.1755	24.1554	66.9840	124.3844	.0007	51.6026
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.0900	.4707	1.1376	1.2391	23.3544	65.8146	117.1240	.0007	50.3899
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.1400	.4696	1.2044	1.3025	22.3877	64.8009	109.8637	.0007	49.1770
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.1900	.4632	1.2730	1.3660	21.2679	63.9590	102.6033	.0008	47.9636
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.2400	.4513	1.3436	1.4298	19.9971	63.3193	95.3430	.0008	46.7497
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.2900	.4333	1.4163	1.4940	18.5675	62.9325	88.0826	.0008	45.5352
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.3400	.4086	1.4912	1.5590	16.9588	62.8337	80.8222	.0008	44.3199
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.3900	.3759	1.5685	1.6249	15.1315	63.3193	73.5619	.0008	43.1036
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.4400	.3327	1.6484	1.6918	13.0105	64.5123	66.3015	.0008	41.8859
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.4900	.2744	1.7310	1.7601	10.4356	67.6467	59.0411	.0008	40.6664
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.5400	.1875	1.8166	1.8300	6.9410	72.5923	51.7808	.0008	39.4441
14.0	2.4188	1.4161	1.32	.6843	1.4613	.6900	.0661	.6567	.6597	5.4706	87.3268	172.0759	.0006	64.4355
14.0	2.4188	1.4161	1.32	.6843	1.4613	.7400	.1997	.7112	.7367	15.1050	81.2771	164.5887	.0006	63.1860
14.0	2.4188	1.4161	1.32	.6843	1.4613	.7900	.2654	.7669	.8090	13.5695	78.5925	157.1014	.0006	61.9364
14.0	2.4188	1.4161	1.32	.6843	1.4613	.8400	.3098	.8238	.8781	20.2458	76.2415	149.6142	.0006	60.6867
14.0	2.4188	1.4161	1.32	.6843	1.4613	.8900	.3414	.8820	.9446	20.9873	74.3087	142.1269	.0006	59.4367
14.0	2.4188	1.4161	1.32	.6843	1.4613	.9400	.3635	.9415	1.0094	21.1432	72.6743	134.6397	.0006	58.1865
14.0	2.4188	1.4161	1.32	.6843	1.4613	.9900	.3778	1.0024	1.0729	20.8902	71.2846	127.1524	.0006	56.9360
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.0400	.3852	1.0648	1.1355	20.3261	70.1189	119.6652	.0006	55.6852
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.0900	.3861	1.1287	1.1975	19.5063	69.1784	112.1779	.0007	54.4340
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.1400	.3805	1.1943	1.2591	18.4593	68.4853	104.6907	.0007	53.1823
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.1900	.3682	1.2616	1.3206	17.1930	68.0866	97.2034	.0007	51.9301
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.2400	.3484	1.3308	1.3823	15.6951	68.0672	89.7162	.0007	50.6771
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.2900	.3199	1.4019	1.4444	13.9262	68.5789	82.2289	.0007	49.4232
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.3400	.2799	1.4751	1.5069	11.7972	69.5130	74.7417	.0007	48.1681
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.3900	.2224	1.5505	1.5702	9.0918	72.7264	67.2544	.0007	46.9114
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.4400	.1258	1.6283	1.6345	4.9915	79.2954	59.7672	.0006	45.6524
14.0	2.4188	1.4161	1.36	.7510	1.3315	.7600	.0714	.7301	.7334	5.3642	46.2917	158.1451	.0005	67.1330
14.0	2.4188	1.4161	1.36	.7510	1.3315	.8100	.1747	.7858	.8033	12.1709	82.1319	150.4310	.0006	65.8451
14.0	2.4188	1.4161	1.36	.7510	1.3315	.8600	.2256	.8425	.8711	14.7085	79.4668	142.7168	.0006	64.5570
14.0	2.4188	1.4161	1.36	.7510	1.3315	.9100	.2577	.9006	.9360	15.8141	77.5158	135.0027	.0006	63.2686
14.0	2.4188	1.4161	1.36	.7510	1.3315	.9600	.2774	.9599	.9991	16.1148	76.0206	127.2886	.0006	61.9798
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.0100	.2871	1.0205	1.0610	15.8707	74.6988	119.5744	.0006	60.6907
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.0600	.2881	1.0826	1.1219	15.2068	74.1394	111.8603	.0006	59.4011
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.1100	.2804	1.1462	1.1822	14.1776	73.7833	104.1461	.0006	58.1109
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.1600	.2632	1.2113	1.2421	12.7860	73.9349	96.4320	.0006	56.8200
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.2100	.2346	1.2782	1.3020	10.9730	74.2105	88.7179	.0006	55.5282
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.2600	.1894	1.3468	1.3619	8.5491	76.9028	81.0037	.0006	54.2353
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.3100	.1088	1.4172	1.4221	4.7475	81.2969	73.2896	.0006	52.9408
14.0	2.4188	1.4161	1.40	.8593	1.1637	.8600	.0145	.8385	.8386	.9690	49.2963	138.8144	.0005	69.0768
14.0	2.4188	1.4161	1.40	.8593	1.1637	.9100	.1129	.8959	.9027	7.0735	84.2149	130.8734	.0005	67.7499
14.0	2.4188	1.4161	1.40	.8593	1.1637	.9600	.1426	.9545	.9649	8.4468	82.5099	122.9323	.0005	66.4227
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.0100	.1514	1.0144	1.0257	8.5275	81.0699	114.9713	.0005	65.0949
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.0600	.1435	1.0756	1.0854	7.7101	81.7048	107.0503	.0005	63.7664
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.1100	.1154	1.1383	1.1444	5.9348	82.9523	99.1093	.0005	62.4372
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.1600	.0333	1.2024	1.2029	1.6456	87.2417	91.1682	.0005	61.1070

5

APPENDIX H

GAMMA = 1.3

[illegible]

LOOP BRANCH (MI FROM 1 TO 5)

GAMMA = 1.3

MI	M1	DELMAX	DEL	XMIN	XMAX	X(M2U)	Y(M2V)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.000000	.69556	1.1427	1.00	.58998	.69556	.59000	.0139	.5631	.5633	1.3471	89.2810	4.3906	.7007	1.5273
1.000000	.69556	1.1427	1.00	.58998	.69556	.62000	.1556	.5942	.6126	14.0902	81.7673	4.2986	.7110	1.5147
1.000000	.69556	1.1427	1.00	.58998	.69556	.65000	.2158	.6256	.6591	18.3649	75.3392	4.2066	.7215	1.5021
1.000000	.69556	1.1427	1.00	.58998	.69556	.68000	.2593	.6572	.7034	20.8729	75.6773	4.1146	.7320	1.4895
1.000000	.69556	1.1427	1.00	.58998	.69556	.71000	.2937	.6891	.7458	22.4712	73.4076	4.0226	.7426	1.4768
1.000000	.69556	1.1427	1.00	.58998	.69556	.74000	.3219	.7214	.7867	23.5068	71.3851	3.9306	.7533	1.4641
1.000000	.69556	1.1427	1.00	.58998	.69556	.77000	.3454	.7539	.8263	24.1602	69.5355	3.8386	.7641	1.4514
1.000000	.69556	1.1427	1.00	.58998	.69556	.80000	.3652	.7867	.8648	24.5376	67.6145	3.7466	.7749	1.4386
1.000000	.69556	1.1427	1.00	.58998	.69556	.83000	.3819	.8199	.9025	24.7073	66.1935	3.6546	.7857	1.4258
1.000000	.69556	1.1427	1.00	.58998	.69556	.86000	.3958	.8534	.9394	24.7152	64.6522	3.5626	.7965	1.4129
1.000000	.69556	1.1427	1.00	.58998	.69556	.89000	.4074	.8872	.9757	24.5935	63.1761	3.4706	.8074	1.4001
1.000000	.69556	1.1427	1.00	.58998	.69556	.92000	.4167	.9214	1.0115	24.3657	61.7539	3.3786	.8183	1.3871
1.000000	.69556	1.1427	1.00	.58998	.69556	.95000	.4239	.9559	1.0468	24.0491	60.3772	3.2865	.8291	1.3741
1.000000	.69556	1.1427	1.00	.58998	.69556	.98000	.4293	.9908	1.0817	23.6568	59.0387	3.1945	.8399	1.3611
1.000000	.69556	1.1427	1.00	.58998	.69556	1.01000	.4329	1.0261	1.1164	23.1986	57.7328	3.1025	.8506	1.3480
1.000000	.69556	1.1427	1.00	.58998	.69556	1.04000	.4347	1.0618	1.1508	22.6824	56.4547	3.0105	.8612	1.3348
1.000000	.69556	1.1427	1.00	.58998	.69556	1.07000	.4348	1.0978	1.1850	22.1140	55.2003	2.9185	.8717	1.3216
1.000000	.69556	1.1427	1.00	.58998	.69556	1.10000	.4333	1.1344	1.2192	21.4980	53.9660	2.8265	.8821	1.3083
1.000000	.69556	1.1427	1.00	.58998	.69556	1.13000	.4301	1.1713	1.2533	20.8378	52.7487	2.7345	.8923	1.2949
1.000000	.69556	1.1427	1.00	.58998	.69556	1.16000	.4253	1.2087	1.2874	20.1360	51.5456	2.6425	.9023	1.2814
1.000000	.69556	1.1427	1.00	.58998	.69556	1.19000	.4189	1.2466	1.3216	19.3945	50.3541	2.5505	.9120	1.2678
1.000000	.69556	1.1427	1.00	.58998	.69556	1.22000	.4109	1.2850	1.3559	18.6145	49.1719	2.4585	.9215	1.2541
1.000000	.69556	1.1427	1.00	.58998	.69556	1.25000	.4012	1.3239	1.3904	17.7966	47.9968	2.3665	.9307	1.2403
1.000000	.69556	1.1427	1.00	.58998	.69556	1.28000	.3899	1.3634	1.4252	16.9409	46.8268	2.2745	.9395	1.2263
1.000000	.69556	1.1427	1.00	.58998	.69556	1.31000	.3768	1.4034	1.4603	16.0471	45.6598	2.1825	.9479	1.2122
1.000000	.69556	1.1427	1.00	.58998	.69556	1.34000	.3619	1.4441	1.4959	15.1144	44.4939	2.0905	.9558	1.1979
1.000000	.69556	1.1427	1.00	.58998	.69556	1.37000	.3452	1.4855	1.5319	14.1413	43.3272	1.9985	.9633	1.1834
1.000000	.69556	1.1427	1.00	.58998	.69556	1.40000	.3265	1.5275	1.5685	13.1262	42.1577	1.9065	.9701	1.1687
1.000000	.69556	1.1427	1.00	.58998	.69556	1.43000	.3057	1.5703	1.6058	12.0667	40.9834	1.8145	.9764	1.1537
1.000000	.69556	1.1427	1.00	.58998	.69556	1.46000	.2827	1.6140	1.6440	10.9598	39.8023	1.7223	.9820	1.1385
1.000000	.69556	1.1427	1.00	.58998	.69556	1.49000	.2574	1.6586	1.6832	9.8018	38.6122	1.6305	.9869	1.1228
1.000000	.69556	1.1427	1.00	.58998	.69556	1.52000	.2296	1.7042	1.7235	8.5844	37.4107	1.5385	.9910	1.1068
1.000000	.69556	1.1427	1.00	.58998	.69556	1.55000	.1989	1.7509	1.7653	7.3141	36.1954	1.4465	.9943	1.0903
1.000000	.69556	1.1427	1.00	.58998	.69556	1.58000	.1653	1.7989	1.8087	5.9723	34.9635	1.3545	.9968	1.0733
1.000000	.69556	1.1427	1.00	.58998	.69556	1.61000	.1283	1.8484	1.8542	4.5551	33.7120	1.2625	.9986	1.0556
1.000000	.69556	1.1427	1.00	.58998	.69556	1.64000	.0875	1.8995	1.9022	3.0526	32.4372	1.1705	.9996	1.0371
1.000000	.69556	1.1427	1.00	.58998	.69556	1.67000	.0423	1.9527	1.9533	1.4527	31.1352	1.0785	1.0000	1.0176
1.000000	.69556	1.1427	1.04	.64335	.55339	.65000	.0655	.6237	.6269	5.7555	86.2984	4.1268	.6901	1.6342
1.000000	.69556	1.1427	1.04	.64335	.55339	.68000	.1524	.6552	.6714	12.6284	81.1870	4.0312	.6983	1.6209
1.000000	.69556	1.1427	1.04	.64335	.55339	.71000	.2012	.6869	.7140	15.8244	78.0723	3.9355	.7066	1.6076
1.000000	.69556	1.1427	1.04	.64335	.55339	.74000	.2370	.7189	.7549	17.7573	75.5952	3.8398	.7148	1.5943
1.000000	.69556	1.1427	1.04	.64335	.55339	.77000	.2650	.7513	.7945	18.9898	73.4669	3.7441	.7229	1.5809
1.000000	.69556	1.1427	1.04	.64335	.55339	.80000	.2875	.7839	.8330	19.7691	71.5663	3.6484	.7310	1.5674
1.000000	.69556	1.1427	1.04	.64335	.55339	.83000	.3059	.8168	.8705	20.2297	69.8296	3.5527	.7390	1.5539
1.000000	.69556	1.1427	1.04	.64335	.55339	.86000	.3207	.8500	.9072	20.4535	68.2181	3.4571	.7469	1.5404
1.000000	.69556	1.1427	1.04	.64335	.55339	.89000	.3327	.8836	.9433	20.4941	66.7066	3.3614	.7547	1.5268
1.000000	.69556	1.1427	1.04	.64335	.55339	.92000	.3419	.9175	.9788	20.3886	65.2776	3.2657	.7623	1.5131
1.000000	.69556	1.1427	1.04	.64335	.55339	.95000	.3488	.9517	1.0139	20.1631	63.9187	3.1700	.7698	1.4994
1.000000	.69556	1.1427	1.04	.64335	.55339	.98000	.3535	.9863	1.0486	19.8370	62.6210	3.0743	.7772	1.4856
1.000000	.69556	1.1427	1.04	.64335	.55339	1.01000	.3562	1.0213	1.0830	19.4246	61.3780	2.9786	.7843	1.4717
1.000000	.69556	1.1427	1.04	.64335	.55339	1.04000	.3568	1.0567	1.1172	18.9366	60.1851	2.8830	.7912	1.4577
1.000000	.69556	1.1427	1.04	.64335	.55339	1.07000	.3556	1.0925	1.1512	18.3812	59.0393	2.7873	.7978	1.4436
1.000000	.69556	1.1427	1.04	.64335	.55339	1.10000	.3524	1.1287	1.1852	17.7645	57.9391	2.6916	.8041	1.4294
1.000000	.69556	1.1427	1.04	.64335	.55339	1.13000	.3474	1.1653	1.2191	17.0911	56.8844	2.5959	.8101	1.4151
1.000000	.69556	1.1427	1.04	.64335	.55339	1.16000	.3406	1.2024	1.2531	16.3642	55.8769	2.5002	.8157	1.4006
1.000000	.69556	1.1427	1.04	.64335	.55339	1.19000	.3319	1.2399	1.2873	15.5861	54.9199	2.4045	.8209	1.3860
1.000000	.69556	1.1427	1.04	.64335	.55339	1.22000	.3214	1.2780	1.3216	14.7580	54.0193	2.3089	.8257	1.3713
1.000000	.69556	1.1427	1.04	.64335	.55339	1.25000	.3089	1.3167	1.3563	13.8803	53.1839	2.2132	.8300	1.3564
1.000000	.69556	1.1427	1.04	.64335	.55339	1.28000	.2944	1.3559	1.3913	12.9525	52.4274	2.1175	.8337	1.3412
1.000000	.69556	1.1427	1.04	.64335	.55339	1.31000	.2778	1.3957	1.4267	11.9733	51.7701	2.0218	.8369	1.3258
1.000000	.69556	1.1427	1.04	.64335	.55339	1.34000	.2590	1.4361	1.4627	10.9403	51.2432	1.9261	.8394	1.3101
1.000000	.69556	1.1427	1.04	.64335	.55339	1.37000	.2379	1.4773	1.4994	9.8501	50.8954	1.8304	.8413	1.2944
1.000000	.69556	1.1427	1.04	.64335	.55339	1.40000	.2142	1.5193	1.5370	8.6974	50.6069	1.7347	.8424	1.2778
1.000000	.69556	1.1427	1.04	.64335	.55339	1.43000	.1876	1.5621	1.5755	7.4742	51.1180	1.6391	.8423	1.2610
1.000000	.69556	1.1427	1.04	.64335	.55339	1.46000	.1578	1.6059	1.6153	6.1678	52.0978	1.5434	.8424	1.2434
1.000000	.69556	1.1427	1.04	.64335	.55339	1.49000	.1239	1.6508	1.6565	4.7531	54.3385	1.4477	.8412	1.2260
1.000000	.69556	1.1427	1.04	.64335	.55339	1.52000	.0840	1.6969	1.6995	3.1638	59.5040	1.3520	.8391	1.2075
1.000000	.69556	1.1427	1.04	.64335	.55339	1.55000	.0256	1.7444	1.7446	.9469	77.1880	1.2561	.8363	1.1841

2.00	1.6956	1.1427	1.04	.6435	1.5539	.6500	.0655	.6237	.6269	5.7555	86.2984	4.1268	.6901	1.6342
2.00	1.6956	1.1427	1.04	.6435	1.5539	.6800	.1524	.6552	.6714	12.6284	81.1870	4.0312	.6983	1.6209
2.00	1.6956	1.1427	1.04	.6435	1.5539	.7100	.2012	.6869	.7140	15.8244	78.6723	3.9355	.7066	1.6076
2.00	1.6956	1.1427	1.04	.6435	1.5539	.7400	.2370	.7189	.7549	17.7573	75.5952	3.8398	.7148	1.5943
2.00	1.6956	1.1427	1.04	.6435	1.5539	.7700	.2650	.7513	.7945	18.9898	73.4669	3.7441	.7229	1.5809
2.00	1.6956	1.1427	1.04	.6435	1.5539	.8000	.2875	.7839	.8330	19.7691	71.5663	3.6484	.7310	1.5674
2.00	1.6956	1.1427	1.04	.6435	1.5539	.8300	.3059	.8168	.8705	20.2297	69.2296	3.5527	.7390	1.5539
2.00	1.6956	1.1427	1.04	.6435	1.5539	.8600	.3207	.8500	.9072	20.4535	68.2181	3.4571	.7469	1.5404
2.00	1.6956	1.1427	1.04	.6435	1.5539	.8900	.3327	.8836	.9433	20.4941	66.7066	3.3614	.7547	1.5268
2.00	1.6956	1.1427	1.04	.6435	1.5539	.9200	.3419	.9175	.9788	20.3886	65.2776	3.2657	.7623	1.5131
2.00	1.6956	1.1427	1.04	.6435	1.5539	.9500	.3488	.9517	1.0139	20.1631	63.9187	3.1700	.7698	1.4994
2.00	1.6956	1.1427	1.04	.6435	1.5539	.9800	.3535	.9863	1.0486	19.8370	62.6210	3.0743	.7772	1.4852
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.0100	.3562	1.0213	1.0830	19.4246	61.3780	2.9786	.7843	1.4717
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.0400	.3568	1.0567	1.1172	18.9366	60.1851	2.8830	.7912	1.4577
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.0700	.3556	1.0925	1.1512	18.3812	59.0393	2.7873	.7978	1.4436
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.1000	.3524	1.1287	1.1852	17.7645	57.9391	2.6916	.8041	1.4294
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.1300	.3474	1.1653	1.2191	17.0911	56.8844	2.5959	.8101	1.4151
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.1600	.3406	1.2024	1.2531	16.3642	55.8769	2.5002	.8157	1.4006
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.1900	.3319	1.2399	1.2873	15.5861	54.9199	2.4045	.8209	1.3860
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.2200	.3214	1.2780	1.3216	14.7580	54.0193	2.3089	.8257	1.3713
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.2500	.3089	1.3167	1.3563	13.8803	53.1839	2.2132	.8300	1.3563
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.2800	.2944	1.3559	1.3913	12.9525	52.4274	2.1175	.8337	1.3412
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.3100	.2778	1.3957	1.4267	11.9733	51.7701	2.0218	.8369	1.3258
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.3400	.2590	1.4361	1.4627	10.9403	51.2432	1.9261	.8394	1.3101
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.3700	.2379	1.4773	1.4994	9.8501	50.8954	1.8304	.8413	1.2941
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.4000	.2142	1.5193	1.5370	8.6974	50.8069	1.7347	.8424	1.2778
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.4300	.1876	1.5621	1.5755	7.4742	51.1180	1.6391	.8428	1.2610
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.4600	.1578	1.6059	1.6153	6.1678	52.0978	1.5434	.8424	1.2444
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.4900	.1239	1.6508	1.6565	4.7531	54.3385	1.4477	.8412	1.2269
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.5200	.0840	1.6969	1.6995	3.1638	59.5040	1.3520	.8391	1.2075
2.00	1.6956	1.1427	1.04	.6435	1.5539	1.5500	.0256	1.7444	1.7446	.9469	77.1880	1.2563	.8363	1.1881

2.00	1.6956	1.1427	1.08	.7124	1.4036	.7200	.0607	.6955	.6980	4.8203	86.1894	3.8153	.6757	1.7392
2.00	1.6956	1.1427	1.08	.7124	1.4036	.7500	.1317	.7274	.7386	9.9565	81.5060	3.7159	.6816	1.7251
2.00	1.6956	1.1427	1.08	.7124	1.4036	.7800	.1715	.7596	.7778	12.4020	78.6120	3.6165	.6874	1.7110
2.00	1.6956	1.1427	1.08	.7124	1.4036	.8100	.1999	.7921	.8159	13.8638	76.3241	3.5172	.6931	1.6968
2.00	1.6956	1.1427	1.08	.7124	1.4036	.8400	.2213	.8250	.8531	14.7617	74.3782	3.4178	.6986	1.6826
2.00	1.6956	1.1427	1.08	.7124	1.4036	.8700	.2377	.8581	.8895	15.2836	72.6635	3.3184	.7039	1.6682
2.00	1.6956	1.1427	1.08	.7124	1.4036	.9000	.2502	.8915	.9253	15.5335	71.1221	3.2191	.7089	1.6538
2.00	1.6956	1.1427	1.08	.7124	1.4036	.9300	.2592	.9253	.9606	15.5756	69.7206	3.1197	.7138	1.6393
2.00	1.6956	1.1427	1.08	.7124	1.4036	.9600	.2654	.9594	.9954	15.4522	68.4389	3.0203	.7183	1.6248
2.00	1.6956	1.1427	1.08	.7124	1.4036	.9900	.2688	.9939	1.0299	15.1925	67.2650	2.9210	.7226	1.6101
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.0200	.2698	1.0288	1.0642	14.8173	66.1931	2.8216	.7265	1.5953
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.0500	.2685	1.0640	1.0982	14.3415	65.2222	2.7223	.7301	1.5803
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.0800	.2648	1.0947	1.1323	13.7757	64.3563	2.6229	.7333	1.5652
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.1100	.2589	1.1358	1.1662	13.1274	63.6042	2.5235	.7360	1.5500
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.1400	.2507	1.1723	1.2003	12.4013	62.9812	2.4242	.7384	1.5346
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.1700	.2402	1.2093	1.2345	11.5999	62.5113	2.3248	.7402	1.5190
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.2000	.2272	1.2469	1.2690	10.7232	62.2309	2.2257	.7415	1.5031
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.2300	.2118	1.2849	1.3038	9.7685	62.1960	2.1261	.7422	1.4871
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.2600	.1935	1.3236	1.3391	8.7294	62.4953	2.0267	.7423	1.4707
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.2900	.1720	1.3629	1.3749	7.5933	63.2765	1.9273	.7417	1.4540
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.3200	.1466	1.4028	1.4114	6.3356	64.6085	1.8280	.7405	1.4369
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.3500	.1158	1.4435	1.4488	4.9008	67.6525	1.7286	.7385	1.4193
2.00	1.6956	1.1427	1.08	.7124	1.4036	1.3800	.0751	1.4851	1.4873	3.1148	73.3798	1.6293	.7357	1.4013

2.00	1.6956	1.1427	1.12	.8180	1.2225	.8200	.0233	.8006	.8009	1.6302	88.2911	3.3835	.6573	1.8309
2.00	1.6956	1.1427	1.12	.8180	1.2225	.8500	.0893	.8333	.8379	5.9950	83.2322	3.2804	.6605	1.8158
2.00	1.6956	1.1427	1.12	.8180	1.2225	.8800	.1182	.8664	.8741	7.6514	80.7031	3.1774	.6634	1.8007
2.00	1.6956	1.1427	1.12	.8180	1.2225	.9100	.1364	.8997	.9098	8.5251	78.5516	3.0743	.6660	1.7854
2.00	1.6956	1.1427	1.12	.8180	1.2225	.9400	.1480	.9334	.9449	8.9472	77.4017	2.9713	.6683	1.7700
2.00	1.6956	1.1427	1.12	.8180	1.2225	.9700	.1546	.9674	.9797	9.0573	76.2556	2.8682	.6702	1.7545
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.0000	.1571	1.0019	1.0141	8.9288	75.3772	2.7652	.6718	1.7388
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.0300	.1558	1.0366	1.0484	8.6040	74.7638	2.6621	.6729	1.7230
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.0600	.1510	1.0718	1.0827	8.1062	74.4394	2.5591	.6736	1.7069
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.0900	.1424	1.1074	1.1169	7.4446	74.4594	2.4561	.6738	1.6907
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.1200	.1299	1.1435	1.1512	6.6134	74.9273	2.3530	.6734	1.6742
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.1500	.1124	1.1800	1.1857	5.5830	76.0390	2.2500	.6726	1.6575
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.1800	.0880	1.2171	1.2205	4.2654	78.2245	2.1469	.6711	1.6405
2.00	1.6956	1.1427	1.12	.8180	1.2225	1.2100	.0485	1.2547	1.2557	2.2942	82.9537	2.0439	.6691	1.6231

2

GAMMA = 1.3

M1	DELMAX	DEL	XMIN	XMAX	X(M2U)	Y(M2V)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.9261	1.2226	1.00	1.5192	1.9261	1.5200	1.0308	1.4937	1.4946	3.3898	88.7451	6.9314	1.4612	1.8649
1.9261	1.2226	1.00	1.5192	1.9261	1.5500	1.1884	1.5246	1.5545	18.9046	82.2057	6.8048	1.4709	1.8521
1.9261	1.2226	1.00	1.5192	1.9261	1.5800	1.2613	1.5557	1.6095	24.2490	79.0159	6.6783	1.4808	1.8352
1.9261	1.2226	1.00	1.5192	1.9261	1.6100	1.3151	1.5872	1.6609	27.3187	76.5354	6.5517	1.4910	1.8184
1.9261	1.2226	1.00	1.5192	1.9261	1.6400	1.3586	1.6189	1.7094	29.2601	74.4210	6.4252	1.5014	1.8015
1.9261	1.2226	1.00	1.5192	1.9261	1.6700	1.3951	1.6510	1.7558	30.5285	72.5383	6.2986	1.5120	1.7846
1.9261	1.2226	1.00	1.5192	1.9261	1.7000	1.4265	1.6834	1.8002	31.3542	70.6185	6.1721	1.5228	1.7677
1.9261	1.2226	1.00	1.5192	1.9261	1.7300	1.4539	1.7161	1.8432	31.8699	69.2203	6.0455	1.5339	1.7508
1.9261	1.2226	1.00	1.5192	1.9261	1.7600	1.4778	1.7492	1.8849	32.1584	67.7171	5.9190	1.5452	1.7338
1.9261	1.2226	1.00	1.5192	1.9261	1.7900	1.4989	1.7826	1.9256	32.2747	66.2900	5.7924	1.5568	1.7169
1.9261	1.2226	1.00	1.5192	1.9261	1.8200	1.5175	1.8163	1.9653	32.2565	64.9256	5.6659	1.5686	1.6999
1.9261	1.2226	1.00	1.5192	1.9261	1.8500	1.5338	1.8505	1.0004	32.1310	63.6134	5.5393	1.5806	1.6829
1.9261	1.2226	1.00	1.5192	1.9261	1.8800	1.5481	1.8850	1.0426	31.9180	62.3454	5.4127	1.5929	1.6659
1.9261	1.2226	1.00	1.5192	1.9261	1.9100	1.5605	1.9199	1.0804	31.6323	61.1151	5.2862	1.6054	1.6488
1.9261	1.2226	1.00	1.5192	1.9261	1.9400	1.5712	1.9552	1.1177	31.2853	59.9173	5.1596	1.6182	1.6317
1.9261	1.2226	1.00	1.5192	1.9261	1.9700	1.5802	1.9908	1.1546	30.8857	58.7476	5.0331	1.6312	1.6146
1.9261	1.2226	1.00	1.5192	1.9261	1.0000	1.5876	1.0270	1.1911	30.4403	57.6022	4.9065	1.6444	1.5975
1.9261	1.2226	1.00	1.5192	1.9261	1.0300	1.5936	1.0635	1.2274	29.9545	56.4780	4.7800	1.6579	1.5804
1.9261	1.2226	1.00	1.5192	1.9261	1.0600	1.5981	1.1005	1.2635	29.4325	55.3722	4.6534	1.6716	1.5632
1.9261	1.2226	1.00	1.5192	1.9261	1.0900	1.6012	1.1379	1.2995	28.8776	54.2823	4.5269	1.6855	1.5459
1.9261	1.2226	1.00	1.5192	1.9261	1.1200	1.6029	1.1758	1.3353	28.2925	53.2062	4.4003	1.6996	1.5286
1.9261	1.2226	1.00	1.5192	1.9261	1.1500	1.6032	1.2142	1.3711	27.6791	52.1419	4.2738	1.7138	1.5113
1.9261	1.2226	1.00	1.5192	1.9261	1.1800	1.6023	1.2531	1.4069	27.0392	51.0876	4.1472	1.7283	1.4940
1.9261	1.2226	1.00	1.5192	1.9261	1.2100	1.6000	1.2925	1.4427	26.3736	50.0415	4.0206	1.7429	1.4765
1.9261	1.2226	1.00	1.5192	1.9261	1.2400	1.5963	1.3325	1.4785	25.6834	49.0023	3.8941	1.7576	1.4591

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1.926	1.2226	1.04	.5575	1.7937	.5600	.0506	.5333	.5355	5.1644	87.6185	6.6682	.4556	2.0042
1.926	1.2226	1.04	.5575	1.7937	.5900	.1802	.5644	.5901	16.9852	82.0995	6.5365	.4639	1.9916
1.926	1.2226	1.04	.5575	1.7937	.6200	.2463	.5957	.6410	21.6649	79.0136	6.4049	.4724	1.9759
1.926	1.2226	1.04	.5575	1.7937	.6500	.2951	.6273	.6890	24.4210	76.5978	6.2733	.4811	1.9563
1.926	1.2226	1.04	.5575	1.7937	.6800	.3344	.6593	.7347	26.1870	74.5343	6.1417	.4899	1.9386
1.926	1.2226	1.04	.5575	1.7937	.7100	.3672	.6915	.7785	27.3468	72.6963	6.0101	.4988	1.9210
1.926	1.2226	1.04	.5575	1.7937	.7400	.3951	.7241	.8208	28.0994	71.0178	5.8785	.5079	1.9032
1.926	1.2226	1.04	.5575	1.7937	.7700	.4191	.7570	.8619	28.5617	69.4594	5.7468	.5170	1.8855
1.926	1.2226	1.04	.5575	1.7937	.8000	.4399	.7902	.9018	28.8079	67.9953	5.6152	.5263	1.8678
1.926	1.2226	1.04	.5575	1.7937	.8300	.4580	.8238	.9408	28.8877	66.6076	5.4836	.5358	1.8500
1.926	1.2226	1.04	.5575	1.7937	.8600	.4735	.8577	.9791	28.8361	65.2831	5.3520	.5453	1.8322
1.926	1.2226	1.04	.5575	1.7937	.8900	.4868	.8919	1.0167	28.6780	64.0119	5.2204	.5549	1.8143
1.926	1.2226	1.04	.5575	1.7937	.9200	.4981	.9266	1.0537	28.4320	62.7866	5.0888	.5647	1.7964
1.926	1.2226	1.04	.5575	1.7937	.9500	.5075	.9616	1.0902	28.1119	61.6009	4.9571	.5745	1.7785
1.926	1.2226	1.04	.5575	1.7937	.9800	.5151	.9970	1.1264	27.7285	60.4501	4.8255	.5844	1.7606
1.926	1.2226	1.04	.5575	1.7937	1.0100	.5211	1.0328	1.1622	27.2900	59.3303	4.6939	.5943	1.7425
1.926	1.2226	1.04	.5575	1.7937	1.0400	.5254	1.0691	1.1978	26.8027	58.2381	4.5623	.6043	1.7245
1.926	1.2226	1.04	.5575	1.7937	1.0700	.5282	1.1057	1.2331	26.2718	57.1710	4.4307	.6143	1.7064
1.926	1.2226	1.04	.5575	1.7937	1.1000	.5294	1.1428	1.2683	25.7009	56.1268	4.2991	.6244	1.6882
1.926	1.2226	1.04	.5575	1.7937	1.1300	.5292	1.1804	1.3034	25.0933	55.1037	4.1675	.6344	1.6700
1.926	1.2226	1.04	.5575	1.7937	1.1600	.5274	1.2184	1.3384	24.4511	54.1004	4.0358	.6444	1.6518
1.926	1.2226	1.04	.5575	1.7937	1.1900	.5243	1.2569	1.3735	23.7761	53.1159	3.9042	.6543	1.6334
1.926	1.2226	1.04	.5575	1.7937	1.2200	.5196	1.2959	1.4086	23.0694	52.1495	3.7726	.6641	1.6150
1.926	1.2226	1.04	.5575	1.7937	1.2500	.5135	1.3355	1.4438	22.3316	51.2011	3.6410	.6738	1.5964
1.926	1.2226	1.04	.5575	1.7937	1.2800	.5058	1.3756	1.4791	21.5632	50.2707	3.5094	.6833	1.5778
1.926	1.2226	1.04	.5575	1.7937	1.3100	.4967	1.4163	1.5146	20.7640	49.3591	3.3778	.6926	1.5591
1.926	1.2226	1.04	.5575	1.7937	1.3400	.4860	1.4575	1.5504	19.9335	48.4675	3.2461	.7016	1.5402
1.926	1.2226	1.04	.5575	1.7937	1.3700	.4736	1.4994	1.5865	19.0709	47.5980	3.1145	.7104	1.5213
1.926	1.2226	1.04	.5575	1.7937	1.4000	.4596	1.5420	1.6230	18.1750	46.7535	2.9829	.7187	1.5021
1.926	1.2226	1.04	.5575	1.7937	1.4300	.4439	1.5853	1.6599	17.2441	45.9386	2.8513	.7266	1.4828
1.926	1.2226	1.04	.5575	1.7937	1.4600	.4263	1.6293	1.6973	16.2760	45.1594	2.7197	.7340	1.4633
1.926	1.2226	1.04	.5575	1.7937	1.4900	.4067	1.6741	1.7353	15.2683	44.4251	2.5881	.7409	1.4435
1.926	1.2226	1.04	.5575	1.7937	1.5200	.3851	1.7197	1.7741	14.2175	43.7488	2.4564	.7470	1.4235
1.926	1.2226	1.04	.5575	1.7937	1.5500	.3613	1.7663	1.8137	13.1196	43.1502	2.3248	.7524	1.4032
1.926	1.2226	1.04	.5575	1.7937	1.5800	.3350	1.8139	1.8542	11.9696	42.6589	2.1932	.7569	1.3826
1.926	1.2226	1.04	.5575	1.7937	1.6100	.3060	1.8626	1.8960	10.7611	42.2324	2.0616	.7605	1.3615
1.926	1.2226	1.04	.5575	1.7937	1.6400	.2740	1.9125	1.9391	9.4859	42.2202	1.9300	.7630	1.3399
1.926	1.2226	1.04	.5575	1.7937	1.6700	.2387	1.9639	1.9838	8.1330	42.4949	1.7984	.7643	1.3177
1.926	1.2226	1.04	.5575	1.7937	1.7000	.1993	2.0168	2.0306	6.6858	43.4306	1.6667	.7643	1.2948
1.926	1.2226	1.04	.5575	1.7937	1.7300	.1549	2.0715	2.0798	5.1164	45.6858	1.5351	.7630	1.2710
1.926	1.2226	1.04	.5575	1.7937	1.7600	.1032	2.1284	2.1321	3.3569	51.2550	1.4035	.7602	1.2460
1.926	1.2226	1.04	.5575	1.7937	1.7900	.0297	2.1881	2.1884	.9506	73.2445	1.2719	.7560	1.2196

1.926	1.2226	1.08	.6014	1.6627	.6100	.0863	.5835	.5893	8.0482	86.0317	6.3459	.4501	2.1480
1.926	1.2226	1.08	.6014	1.6627	.6400	.1800	.6148	.6386	15.7097	81.5612	6.2092	.4572	2.1296
1.926	1.2226	1.08	.6014	1.6627	.6700	.2359	.6464	.6853	19.3979	78.7251	6.0725	.4643	2.1112
1.926	1.2226	1.08	.6014	1.6627	.7000	.2779	.6783	.7298	21.6498	76.4550	5.9358	.4714	2.0927
1.926	1.2226	1.08	.6014	1.6627	.7300	.3115	.7105	.7725	23.1102	74.5003	5.7992	.4786	2.0742
1.926	1.2226	1.08	.6014	1.6627	.7600	.3394	.7431	.8138	24.0653	72.7539	5.6625	.4859	2.0557
1.926	1.2226	1.08	.6014	1.6627	.7900	.3629	.7759	.8538	24.6701	71.1581	5.5258	.4932	2.0371
1.926	1.2226	1.08	.6014	1.6627	.8200	.3827	.8091	.8929	25.0187	69.6780	5.3891	.5005	2.0185
1.926	1.2226	1.08	.6014	1.6627	.8500	.3995	.8426	.9310	25.1721	68.2904	5.2524	.5078	1.9999
1.926	1.2226	1.08	.6014	1.6627	.8800	.4136	.8764	.9684	25.1723	66.9793	5.1158	.5151	1.9812
1.926	1.2226	1.08	.6014	1.6627	.9100	.4253	.9106	1.0051	25.0488	65.7330	4.9791	.5224	1.9625
1.926	1.2226	1.08	.6014	1.6627	.9400	.4348	.9452	1.0414	24.8232	64.5430	4.8424	.5297	1.9437
1.926	1.2226	1.08	.6014	1.6627	.9700	.4423	.9801	1.0772	24.5116	63.4029	4.7057	.5369	1.9249
1.926	1.2226	1.08	.6014	1.6627	1.0000	.4479	1.0154	1.1126	24.1262	62.3077	4.5690	.5440	1.9060
1.926	1.2226	1.08	.6014	1.6627	1.0300	.4516	1.0511	1.1477	23.6762	61.2540	4.4324	.5511	1.8871
1.926	1.2226	1.08	.6014	1.6627	1.0600	.4536	1.0872	1.1826	23.1688	60.2392	4.2957	.5581	1.8680
1.926	1.2226	1.08	.6014	1.6627	1.0900	.4539	1.1237	1.2173	22.6094	59.2617	4.1590	.5649	1.8489
1.926	1.2226	1.08	.6014	1.6627	1.1200	.4526	1.1607	1.2519	22.0022	58.3206	4.0223	.5716	1.8298
1.926	1.2226	1.08	.6014	1.6627	1.1500	.4495	1.1981	1.2864	21.3502	57.4162	3.8857	.5781	1.8105
1.926	1.2226	1.08	.6014	1.6627	1.1800	.4448	1.2360	1.3209	20.6558	56.5493	3.7490	.5844	1.7911
1.926	1.2226	1.08	.6014	1.6627	1.2100	.4385	1.2744	1.3555	19.9202	55.7222	3.6123	.5904	1.7716
1.926	1.2226	1.08	.6014	1.6627	1.2400	.4305	1.3132	1.3901	19.1442	54.9379	3.4756	.5961	1.7520
1.926	1.2226	1.08	.6014	1.6627	1.2700	.4207	1.3527	1.4249	18.3281	54.2013	3.3389	.6015	1.7323
1.926	1.2226	1.08	.6014	1.6627	1.3000	.4092	1.3926	1.4600	17.4711	53.5191	3.2023	.6065	1.7124
1.926	1.2226	1.08	.6014	1.6627	1.3300	.3958	1.4332	1.4953	16.5723	52.9009	3.0656	.6111	1.6923
1.926	1.2226	1.08	.6014	1.6627	1.3600	.3805	1.4744	1.5310	15.6297	52.3598	2.9289	.6152	1.6720
1.926	1.2226	1.08	.6014	1.6627	1.3900	.3631	1.5162	1.5671	14.6407	51.9143	2.7922	.6187	1.6515
1.926	1.2226	1.08	.6014	1.6627	1.4200	.3436	1.5588	1.6038	13.6017	51.5908	2.6555	.6216	1.6307
1.926	1.2226	1.08	.6014	1.6627	1.4500	.3217	1.6021	1.6411	12.5077	51.4281	2.5189	.6238	1.6096
1.926	1.2226	1.08	.6014	1.6627	1.4800	.2971	1.6463	1.6791	11.3522	51.4847	2.3822	.6252	1.5882
1.926	1.2226	1.08	.6014	1.6627	1.5100	.2697	1.6913	1.7181	10.1255	51.6536	2.2455	.6258	1.5664
1.926	1.2226	1.08	.6014	1.6627	1.5400	.2388	1.7374	1.7581	8.8137	52.6911	2.1088	.6255	1.5440
1.926	1.2226	1.08	.6014	1.6627	1.5700	.2037	1.7845	1.7995	7.3936	54.2835	1.9722	.6241	1.5211
1.926	1.2226	1.04	.6014	1.6627	1.6000	.1631	1.8329	1.8424	5.8203	57.2278	1.8355	.6217	1.4974
1.926	1.2226	1.04	.6014	1.6627	1.6300	.1133	1.8827	1.8873	3.9769	63.0978	1.6988	.6180	1.4729
1.926	1.2226	1.04	.6014	1.6627	1.6600	.0307	1.9343	1.9346	1.0596	80.4771	1.5621	.6131	1.4474

3

2.5	1.9261	1.2226	1.08	.6014	1.6627	1.6300	.1133	1.8827	1.8873	3.9769	63.0978	1.6988	.6180	1.477
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.6600	.0307	1.9343	1.9346	1.0596	80.4771	1.5621	.6131	1.447
2.5	1.9261	1.2226	1.12	.6538	1.5294	.6600	.0661	.6339	.6371	5.7163	86.7402	6.0067	.4417	2.290
2.5	1.9261	1.2226	1.12	.6538	1.5294	.6900	.1569	.6655	.6825	12.8128	82.0934	5.8650	.4474	2.271
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7200	.2079	.6974	.7259	16.1030	79.2990	5.7232	.4530	2.252
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7500	.2452	.7296	.7676	18.1027	77.0936	5.5815	.4586	2.233
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7800	.2745	.7621	.8080	19.3887	75.2133	5.4397	.4642	2.214
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8100	.2982	.7949	.8471	20.2134	73.5482	5.2980	.4697	2.194
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8400	.3176	.8281	.8853	20.7137	72.0405	5.1563	.4751	2.174
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8700	.3335	.8615	.9226	20.9731	70.6557	5.0145	.4805	2.155
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9000	.3463	.8953	.9593	21.0459	69.3717	4.8728	.4857	2.135
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9300	.3564	.9294	.9954	20.9695	68.1738	4.7310	.4909	2.115
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9600	.3641	.9639	1.0309	20.7707	67.0519	4.5893	.4959	2.096
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9900	.3695	.9988	1.0661	20.4686	65.9999	4.4476	.5008	2.076
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0200	.3728	1.0340	1.1009	20.0778	65.0120	4.3058	.5055	2.056
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0500	.3741	1.0696	1.1355	19.6088	64.0878	4.1641	.5100	2.036
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0800	.3733	1.1057	1.1699	19.0697	63.2267	4.0223	.5142	2.016
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1100	.3707	1.1421	1.2041	18.4661	62.4305	3.8806	.5182	1.996
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1400	.3661	1.1790	1.2383	17.8024	61.7031	3.7389	.5219	1.975
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1700	.3595	1.2163	1.2725	17.0811	61.0510	3.5971	.5253	1.955
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2000	.3510	1.2541	1.3067	16.3037	60.4833	3.4554	.5283	1.934
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2300	.3404	1.2925	1.3410	15.4702	60.0136	3.3136	.5309	1.914
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2600	.3277	1.3313	1.3756	14.5795	59.6606	3.1719	.5331	1.893
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2900	.3128	1.3707	1.4104	13.6291	59.4508	3.0301	.5348	1.871
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3200	.2954	1.4107	1.4456	12.6144	59.4225	2.8884	.5359	1.850
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3500	.2754	1.4513	1.4812	11.5286	59.6321	2.7467	.5364	1.828
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3800	.2523	1.4926	1.5174	10.3610	60.1662	2.6049	.5363	1.806
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4100	.2257	1.5347	1.5542	9.0941	61.1651	2.4632	.5354	1.784
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4400	.1946	1.5775	1.5918	7.6977	62.7552	2.3214	.5337	1.761
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4700	.1574	1.6212	1.6305	6.1101	65.7884	2.1797	.5312	1.737
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.5000	.1091	1.6659	1.6703	4.1617	71.1636	2.0380	.5277	1.713
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7300	.0689	.7059	.7091	5.3894	86.2768	5.5528	.4331	2.424
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7600	.1395	.7380	.7504	10.4024	82.2733	5.4060	.4373	2.404
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7900	.1804	.7704	.7903	12.8658	79.7547	5.2592	.4413	2.383
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8200	.2098	.8031	.8290	14.3543	77.7723	5.1124	.4452	2.363
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8500	.2322	.8361	.8667	15.2781	76.1012	4.9656	.4490	2.343
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8800	.2494	.8694	.9037	15.8236	74.6458	4.8188	.4526	2.322
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9100	.2626	.9031	.9399	16.0939	73.3568	4.6720	.4560	2.302
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9400	.2723	.9370	.9755	16.1530	72.2061	4.5252	.4593	2.281
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9700	.2789	.9714	1.0107	16.0429	71.1775	4.3784	.4623	2.260
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0000	.2828	1.0061	1.0455	15.7924	70.2628	4.2316	.4651	2.239
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0300	.2841	1.0411	1.0800	15.4217	69.4594	4.0848	.4676	2.218
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0600	.2829	1.0766	1.1143	14.9448	68.7696	3.9380	.4699	2.197
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0900	.2793	1.1124	1.1484	14.3714	68.2009	3.7912	.4718	2.176
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1200	.2732	1.1487	1.1824	13.7074	67.7666	3.6444	.4734	2.155
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1500	.2646	1.1854	1.2164	12.9555	67.4872	3.4976	.4745	2.133
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1800	.2533	1.2226	1.2505	12.1149	67.3934	3.3508	.4753	2.111
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2100	.2392	1.2603	1.2847	11.1814	67.5305	3.2040	.4756	2.089
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2400	.2219	1.2985	1.3191	10.1451	67.9678	3.0571	.4754	2.067
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2700	.2009	1.3372	1.3538	8.9878	68.6155	2.9103	.4746	2.046
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3000	.1752	1.3765	1.3890	7.6751	70.2630	2.7635	.4732	2.022
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3300	.1429	1.4165	1.4247	6.1331	72.6807	2.6167	.4712	1.998
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3600	.0987	1.4572	1.4610	4.1521	77.0191	2.4699	.4685	1.974
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8300	.0431	.8114	.8125	2.9753	87.3391	4.9234	.4219	2.538
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8600	.0993	.8443	.8499	6.5897	83.6886	4.7715	.4242	2.517
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8900	.1279	.8775	.8865	8.1765	81.6215	4.6197	.4262	2.495
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9200	.1461	.9110	.9224	9.0215	80.1151	4.4678	.4280	2.474
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9500	.1576	.9449	.9578	9.4216	78.9635	4.3159	.4295	2.452
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9800	.1641	.9791	.9927	9.5064	78.0924	4.1641	.4308	2.430
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0100	.1662	1.0136	1.0273	9.3440	77.4773	4.0122	.4317	2.408
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0400	.1642	1.0486	1.0616	8.9719	77.1229	3.8603	.4323	2.386
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0700	.1581	1.0839	1.0957	8.4073	77.0593	3.7085	.4326	2.364
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1000	.1477	1.1196	1.1297	7.6496	77.3497	3.5566	.4325	2.341
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1300	.1322	1.1558	1.1637	6.6750	78.1128	3.4048	.4319	2.319
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1600	.1099	1.1924	1.1978	5.4125	79.5899	3.2529	.4309	2.295
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1900	.0755	1.2295	1.2320	3.6313	82.4296	3.1010	.4294	2.272

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PT21	TR21
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.4800	.0709	.4546	.4596	8.4076	87.4904	10.0240	.2830	2.2778
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.5100	.2172	.4854	.5276	23.0723	82.2133	9.8567	.2902	2.2558
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.5400	.2959	.5165	.5890	28.7241	79.2493	9.6895	.2977	2.2338
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.5700	.3552	.5479	.6456	31.9315	76.9176	9.5222	.3054	2.2117
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.6000	.4038	.5796	.6986	33.9380	74.9215	9.3550	.3134	2.1897
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.6300	.4451	.6117	.7489	35.2395	73.1406	9.1877	.3216	2.1676
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.6600	.4810	.6441	.7970	36.0850	71.5123	9.0205	.3300	2.1456
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.6900	.5127	.6769	.8433	36.6159	69.9987	8.8532	.3388	2.1235
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.7200	.5410	.7100	.8881	36.9195	68.5750	8.6860	.3478	2.1014
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.7500	.5663	.7435	.9316	37.0529	67.2239	8.5187	.3571	2.0793
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.7800	.5890	.7774	.9741	37.0553	65.9326	8.3515	.3666	2.0572
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.8100	.6094	.8117	1.0157	36.9544	64.6915	8.1842	.3765	2.0351
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.8400	.6277	.8463	1.0566	36.7703	63.4931	8.0169	.3867	2.0129
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.8700	.6442	.8814	1.0968	36.5180	62.3314	7.8497	.3973	1.9908
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.9000	.6589	.9169	1.1364	36.2090	61.2013	7.6824	.4081	1.9686
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.9300	.6720	.9529	1.1756	35.8521	60.0989	7.5152	.4193	1.9465
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.9600	.6836	.9893	1.2145	35.4541	59.0207	7.3479	.4309	1.9243
1.000000	2.0986	1.2876	1.00	.4765	2.0986	.9900	.6937	1.0261	1.2530	35.0203	57.9636	7.1807	.4428	1.9021
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.0200	.7025	1.0635	1.2913	34.5552	56.9253	7.0134	.4551	1.8798
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.0500	.7099	1.1013	1.3294	34.0621	55.9032	6.8462	.4677	1.8576
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.0800	.7160	1.1396	1.3673	33.5438	54.8956	6.6789	.4808	1.8353
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.1100	.7209	1.1784	1.4052	33.0023	53.9006	6.5117	.4942	1.8130
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.1400	.7246	1.2178	1.4430	32.4439	52.9166	6.3444	.5081	1.7907
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.1700	.7270	1.2577	1.4808	31.8569	51.9421	6.1772	.5224	1.7684
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.2000	.7283	1.2982	1.5186	31.2553	50.9757	6.0099	.5370	1.7460
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.2300	.7285	1.3393	1.5565	30.6357	50.0161	5.8427	.5521	1.7236
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.2600	.7274	1.3810	1.5946	29.9984	49.0622	5.6754	.5677	1.7012
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.2900	.7252	1.4233	1.6328	29.3440	48.1128	5.5082	.5836	1.6787
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.3200	.7219	1.4662	1.6712	28.6726	47.1669	5.3409	.6000	1.6562
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.3500	.7173	1.5099	1.7098	27.9842	46.2233	5.1737	.6168	1.6336
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.3800	.7116	1.5542	1.7487	27.2786	45.2810	5.0064	.6340	1.6110
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.4100	.7047	1.5993	1.7879	26.5555	44.3390	4.8392	.6516	1.5884
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.4400	.6966	1.6451	1.8275	25.8145	43.3964	4.6719	.6696	1.5657
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.4700	.6872	1.6917	1.8675	25.0549	42.4519	4.5047	.6879	1.5429
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.5000	.6765	1.7392	1.9079	24.2760	41.5047	4.3374	.7066	1.5200
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.5300	.6645	1.7875	1.9488	23.4766	40.5537	4.1702	.7256	1.4971
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.5600	.6511	1.8367	1.9903	22.6558	39.5976	4.0029	.7449	1.4741
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.5900	.6363	1.8869	2.0324	21.8121	38.6355	3.8357	.7644	1.4510
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.6200	.6200	1.9381	2.0752	20.9439	37.6659	3.6684	.7841	1.4277
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.6500	.6022	1.9904	2.1188	20.0492	36.6877	3.5011	.8038	1.4044
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.6800	.5826	2.0437	2.1631	19.1258	35.6995	3.3339	.8235	1.3808
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.7100	.5613	2.0983	2.2084	18.1711	34.6996	3.1666	.8431	1.3571
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.7400	.5380	2.1542	2.2548	17.1821	33.6864	2.9994	.8625	1.3332
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.7700	.5127	2.2114	2.3023	16.1549	32.6580	2.8321	.8815	1.3091
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.8000	.4852	2.2701	2.3512	15.0854	31.6124	2.6649	.8999	1.2847
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.8300	.4552	2.3305	2.4015	13.9681	30.5471	2.4976	.9175	1.2600
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.8600	.4225	2.3927	2.4537	12.7969	29.4595	2.3304	.9342	1.2348
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.8900	.3867	2.4569	2.5078	11.5639	28.3464	2.1631	.9496	1.2092
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.9200	.3475	2.5234	2.5644	10.2594	27.2041	1.9959	.9635	1.1830
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.9500	.3044	2.5926	2.6240	8.8713	26.0282	1.8286	.9755	1.1561
1.000000	2.0986	1.2876	1.00	.4765	2.0986	1.9800	.2566	2.6648	2.6871	7.3837	24.8134	1.6614	.9853	1.1281
1.000000	2.0986	1.2876	1.00	.4765	2.0986	2.0100	.2033	2.7409	2.7549	5.7762	23.5531	1.4941	.9927	1.0989
1.000000	2.0986	1.2876	1.00	.4765	2.0986	2.0400	.1434	2.8217	2.8287	4.0208	22.2390	1.3269	.9974	1.0681
1.000000	2.0986	1.2876	1.00	.4765	2.0986	2.0700	.0751	2.9088	2.9107	2.0788	20.8603	1.1596	.9996	1.0349

1.000000	2.0986	1.2876	1.04	.5081	1.9679	.5100	.0489	.4839	.4862	5.4820	88.1889	9.7430	.2794	2.4547
1.000000	2.0986	1.2876	1.04	.5081	1.9679	.5400	.2005	.5148	.5491	20.3666	82.4765	9.5690	.2859	2.4318
1.000000	2.0986	1.2876	1.04	.5081	1.9679	.5700	.2761	.5460	.6067	25.8416	79.4889	9.3951	.2925	2.4084
1.000000	2.0986	1.2876	1.04	.5081	1.9679	.6000	.3324	.5775	.6602	28.9837	77.1574	9.2212	.2992	2.3858
1.000000	2.0986	1.2876	1.04	.5081	1.9679	.6300	.3781	.6093	.7106	30.9700	75.1688	9.0472	.3062	2.3624
1.000000	2.0986	1.2876	1.04	.5081	1.9679	.6600	.4168	.6415	.7587	32.2700	73.3990	8.8733	.3133	2.3378

[illegible]

0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.0300	.	.5724	1.	.0614	1.	.2143	29.	.0625	59.	.4492	6.	.8783	3.	.3737	2.	.2846
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.0600	.	.5771	1.	.0983	1.	.2505	29.	.5654	59.	.4724	6.	.3177	3.	.3883	2.	.2202
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0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.1200	.	.5821	1.	.1734	1.	.3224	27.	.4620	57.	.C894	5.	.9564	4.	.4031	2.	.1714
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.1500	.	.5824	1.	.2117	1.	.3583	26.	.8610	56.	.1807	5.	.7758	4.	.4106	2.	.1469
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0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.2100	.	.5789	1.	.2898	1.	.4298	25.	.5695	54.	.2552	5.	.4145	4.	.4256	2.	.0978
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.2400	.	.5751	1.	.3296	1.	.4656	24.	.8811	53.	.5781	5.	.2335	4.	.4330	2.	.0741
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0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.3000	.	.5631	1.	.4109	1.	.5376	23.	.4215	51.	.9469	4.	.8726	4.	.4478	2.	.0234
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0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.3600	.	.5454	1.	.4946	1.	.6103	21.	.8506	50.	.4081	4.	.5114	4.	.4621	1.	.9734
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.3900	.	.5342	1.	.5375	1.	.6471	21.	.0218	49.	.6789	4.	.3307	4.	.4689	1.	.9482
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.4200	.	.5214	1.	.5809	1.	.6841	20.	.1625	48.	.9812	4.	.1501	4.	.4756	1.	.9229
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.4500	.	.5070	1.	.6251	1.	.7216	19.	.2712	48.	.3203	3.	.9695	4.	.4819	1.	.8975
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.4800	.	.4908	1.	.6701	1.	.7595	18.	.3456	47.	.7032	3.	.7888	4.	.4880	1.	.8718
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.5100	.	.4727	1.	.7158	1.	.7980	17.	.3832	47.	.1394	3.	.6082	4.	.4936	1.	.8459
0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.5400	.	.4527	1.	.7624	1.	.8370	16.	.3807	46.	.6424	3.	.4276	4.	.4987	1.	.9199
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0	N	1.	.2876	1.	.08	.	.5433	1.	.8413	1.	.6000	.	.4060	1.	.8584	1.	.9173	14.	.2382	45.	.9309</						

0.00	2.0986	1.2876	1.12	.5825	1.7167	.5900	.0860	.5634	.5694	8.2952	86.4664	9.0160	.2732	2.8112
0.00	2.0986	1.2876	1.12	.5825	1.7167	.6200	.1896	.5947	.6219	17.0003	82.4827	8.8287	.2780	2.7862
0.00	2.0986	1.2876	1.12	.5825	1.7167	.6500	.2504	.6263	.6711	21.0710	79.5598	8.6414	.2829	2.7613
0.00	2.0986	1.2876	1.12	.5825	1.7167	.6800	.2962	.6582	.7179	23.5409	77.1912	8.4540	.2879	2.7364
0.00	2.0986	1.2876	1.12	.5825	1.7167	.7100	.3333	.6904	.7626	25.1454	75.3294	8.2667	.2929	2.7113
0.00	2.0986	1.2876	1.12	.5825	1.7167	.7400	.3642	.7229	.8057	26.2051	73.6694	8.0794	.2980	2.6863
0.00	2.0986	1.2876	1.12	.5825	1.7167	.7700	.3905	.7557	.8473	26.8917	72.1553	7.8921	.3032	2.6612
0.00	2.0986	1.2876	1.12	.5825	1.7167	.8000	.4131	.7889	.8878	27.3082	70.7532	7.7047	.3084	2.6362
0.00	2.0986	1.2876	1.12	.5825	1.7167	.8300	.4325	.8224	.9273	27.5210	69.4407	7.5174	.3136	2.6110
0.00	2.0986	1.2876	1.12	.5825	1.7167	.8600	.4491	.8562	.9660	27.5752	68.2023	7.3301	.3189	2.5859
0.00	2.0986	1.2876	1.12	.5825	1.7167	.8900	.4634	.8905	1.0039	27.5027	67.0268	7.1428	.3242	2.5607
0.00	2.0986	1.2876	1.12	.5825	1.7167	.9200	.4754	.9250	1.0412	27.3265	65.9057	6.9555	.3296	2.5355
0.00	2.0986	1.2876	1.12	.5825	1.7167	.9500	.4854	.9600	1.0780	27.0637	64.8329	6.7681	.3349	2.5102
0.00	2.0986	1.2876	1.12	.5825	1.7167	.9800	.4935	.9953	1.1144	26.7273	63.8035	6.5808	.3403	2.4849
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.0100	.4998	1.0311	1.1504	26.3271	62.8138	6.3935	.3456	2.4596
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.0400	.5043	1.0672	1.1861	25.8709	61.8613	6.2062	.3509	2.4342
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.0700	.5073	1.1038	1.2216	25.3645	60.9441	6.0188	.3562	2.4087
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.1000	.5086	1.1408	1.2569	24.8125	60.0609	5.8315	.3614	2.3831
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.1300	.5083	1.1783	1.2920	24.2182	59.2113	5.6442	.3666	2.3575
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.1600	.5064	1.2162	1.3271	23.5833	58.3956	5.4569	.3716	2.3318
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.1900	.5030	1.2546	1.3621	22.9127	57.6145	5.2696	.3766	2.3061
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.2200	.4980	1.2935	1.3971	22.2043	56.8698	5.0822	.3814	2.2802
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.2500	.4914	1.3330	1.4322	21.4600	56.1641	4.8949	.3861	2.2542
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.2800	.4832	1.3729	1.4675	20.6796	55.5012	4.7076	.3905	2.2281
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.3100	.4732	1.4134	1.5028	19.8627	54.8862	4.5203	.3947	2.2019
0.00	2.0986	1.2876	1.12	.5825	1.7167	1.3400	.4616	1.4545	1.5384	19.0083</				

2.0986	1.2876	1.16	.6283	1.5917	.6300	.0381	.6034	.6045	3.4574	88.5465	8.6257	.2681	2.9979
2.0986	1.2876	1.16	.6283	1.5917	.6600	.1602	.6348	.6533	13.6421	82.4137	8.4317	.2721	2.9719
2.0986	1.2876	1.16	.6283	1.5917	.6900	.2194	.6666	.6995	17.6400	80.1106	8.2377	.2761	2.9459
2.0986	1.2876	1.16	.6283	1.5917	.7200	.2625	.6987	.7437	20.0502	77.9395	8.0437	.2802	2.9199
2.0986	1.2876	1.16	.6283	1.5917	.7500	.2966	.7311	.7862	21.5740	76.1025	7.8497	.2843	2.8939
2.0986	1.2876	1.16	.6283	1.5917	.7800	.3245	.7638	.8272	22.5861	74.4819	7.6557	.2883	2.8679
2.0986	1.2876	1.16	.6283	1.5917	.8100	.3477	.7968	.8671	23.2325	73.6173	7.4617	.2924	2.8419
2.0986	1.2876	1.16	.6283	1.5917	.8400	.3672	.8301	.9060	23.6120	71.6728	7.2677	.2964	2.8159
2.0986	1.2876	1.16	.6283	1.5917	.8700	.3835	.8638	.9440	23.7884	70.4256	7.0736	.3005	2.7899
2.0986	1.2876	1.16	.6283	1.5917	.9000	.3970	.8978	.9813	23.8049	69.4603	6.8796	.3044	2.7639
2.0986	1.2876	1.16	.6283	1.5917	.9300	.4081	.9322	1.0180	23.6420	68.1659	6.6856	.3084	2.7379
2.0986	1.2876	1.16	.6283	1.5917	.9600	.4149	.9648	1.0543	23.1738	66.1659	6.4916	.3124	2.7119

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2.0986	1.2876	1.12	.5825	1.7167	1.5500	.3216	1.7617	1.7992	11.7231	52.9712	3.2090	.4137	2.0126
2.0986	1.2876	1.12	.5825	1.7167	1.5800	.2905	1.8090	1.8393	10.4174	54.2176	3.0217	.4142	1.9843
2.0986	1.2876	1.12	.5825	1.7167	1.6100	.2550	1.8573	1.8804	9.0000	55.6433	2.8344	.4139	1.9555
2.0986	1.2876	1.12	.5825	1.7167	1.6400	.2138	1.9068	1.9230	7.4285	58.6620	2.6471	.4127	1.9262
2.0986	1.2876	1.12	.5825	1.7167	1.6700	.1640	1.9572	1.9672	5.6095	62.3451	2.4597	.4106	1.8961
2.0986	1.2876	1.12	.5825	1.7167	1.7000	.0957	2.0103	2.0135	3.2206	71.3252	2.2724	.4073	1.8651
2.0986	1.2876	1.16	.6283	1.5917	.6300	.0381	.6034	.6045	3.4574	88.3465	8.6257	.2681	2.9979
2.0986	1.2876	1.16	.6283	1.5917	.6600	.1602	.6348	.6533	13.6421	82.9137	8.4317	.2721	2.9719
2.0986	1.2876	1.16	.6283	1.5917	.6900	.2194	.6666	.6995	17.6400	80.1106	8.2377	.2761	2.9459
2.0986	1.2876	1.16	.6283	1.5917	.7200	.2625	.6987	.7437	20.0302	77.9395	8.0437	.2802	2.9199
2.0986	1.2876	1.16	.6283	1.5917	.7500	.2966	.7311	.7862	21.5740	76.1025	7.8497	.2843	2.8939
2.0986	1.2876	1.16	.6283	1.5917	.7800	.3245	.7638	.8272	22.5861	74.4819	7.6557	.2883	2.8678
2.0986	1.2876	1.16	.6283	1.5917	.8100	.3477	.7968	.8671	23.2325	73.6173	7.4617	.2924	2.8417
2.0986	1.2876	1.16	.6283	1.5917	.8400	.3672	.8301	.9060	23.6120	71.6728	7.2677	.2964	2.8155
2.0986	1.2876	1.16	.6283	1.5917	.8700	.3835	.8638	.9440	23.7884	70.4256	7.0736	.3005	2.7893
2.0986	1.2876	1.16	.6283	1.5917	.9000	.3970	.8978	.9813	23.8049	69.2603	6.8796	.3044	2.7631
2.0986	1.2876	1.16	.6283	1.5917	.9300	.4081	.9322	1.0180	23.6920	68.1659	6.6856	.3084	2.7367
2.0986	1.2876	1.16	.6283	1.5917	.9600	.4169	.9669	1.0542	23.4720	67.1350	6.4916	.3123	2.7104
2.0986	1.2876	1.16	.6283	1.5917	.9900	.4235	1.0021	1.0899	23.1611	66.1622	6.2976	.3161	2.6839
2.0986	1.2876	1.16	.6283	1.5917	1.0200	.4282	1.0376	1.1253	22.7716	65.2441	6.1036	.3198	2.6574
2.0986	1.2876	1.16	.6283	1.5917	1.0500	.4309	1.0735	1.1603	22.3129	64.3789	5.9096	.3234	2.6308
2.0986	1.2876	1.16	.6283	1.5917	1.0800	.4318	1.1098	1.1952	21.7918	63.5658	5.7156	.3269	2.6042
2.0986	1.2876	1.16	.6283	1.5917	1.1100	.4308	1.1465	1.2298	21.2136	62.8055	5.5216	.3303	2.5774
2.0986	1.2876	1.16	.6283	1.5917	1.1400	.4281	1.1837	1.2644	20.5821	62.1002	5.3275	.3335	2.5505
2.0986	1.2876	1.16	.6283	1.5917	1.1700	.4235	1.2213	1.2989	19.8998	61.4534	5.1335	.3365	2.5236
2.0986	1.2876	1.16	.6283	1.5917	1.2000	.4171	1.2594	1.3333	19.1681	60.86704	4.9395	.3393	2.4965
2.0986	1.2876	1.16	.6283	1.5917	1.2300	.4089	1.2980	1.3678	18.3875	60.3586	4.7455	.3419	2.4692
2.0986	1.2876	1.16	.6283	1.5917	1.2600	.3987	1.3371	1.4024	17.5576	59.9285	4.5515	.3441	2.4418
2.0986	1.2876	1.16	.6283	1.5917	1.2900	.3864	1.3767	1.4372	16.6768	59.5941	4.3575	.3461	2.4142
2.0986	1.2876	1.16	.6283	1.5917	1.3200	.3721	1.4169	1.4721	15.7424	59.3746	4.1635	.3477	2.3864
2.0986	1.2876	1.16	.6283	1.5917	1.3500	.3554	1.4577	1.5074	14.7501	59.2967	3.9695	.3489	2.3584
2.0986	1.2876	1.16	.6283	1.5917	1.3800	.3363	1.4991	1.5430	13.6940	59.3980	3.7754	.3497	2.3300
2.0986	1.2876	1.16	.6283	1.5917	1.4100	.3143	1.5412	1.5790	12.5652	59.7333	3.5814	.3500	2.3014
2.0986	1.2876	1.16	.6283	1.5917	1.4400	.2891	1.5840	1.6156	11.3504	60.3854	3.3874	.3497	2.2724
2.0986	1.2876	1.16	.6283	1.5917	1.4700	.2600	1.6276	1.6528	10.0290	61.4864	3.1934	.3488	2.2440
2.0986	1.2876	1.16	.6283	1.5917	1.5000	.2259	1.6720	1.6909	8.5660	63.2639	2.9994	.3473	2.2151
2.0986	1.2876	1.16	.6283	1.5917	1.5300	.1849	1.7173	1.7298	6.8918	66.1618	2.8054	.3450	2.1855
2.0986	1.2876	1.16	.6283	1.5917	1.5600	.1317	1.7637	1.7700	4.8254	71.2760	2.6114	.3419	2.1553
2.0986	1.2876	1.16	.6283	1.5917	1.5900	.0299	1.8112	1.8115	1.0776	85.2318	2.4174	.3378	2.1191
2.0986	1.2876	1.20	.6840	1.4619	.6900	.0630	.6646	.6673	5.2163	87.0582	8.0838	.2638	3.1721
2.0986	1.2876	1.20	.6840	1.4619	.7200	.1514	.6964	.7117	11.8735	82.7850	7.8831	.2670	3.1451
2.0986	1.2876	1.20	.6840	1.4619	.7500	.2004	.7286	.7542	14.9606	80.2457	7.6824	.2702	3.1180
2.0986	1.2876	1.20	.6840	1.4619	.7800	.2360	.7611	.7952	16.8372	78.2594	7.4817	.2733	3.0909
2.0986	1.2876	1.20	.6840	1.4619	.8100	.2638	.7938	.8349	18.0393	76.5821	7.2810	.2763	3.0637
2.0986	1.2876	1.20	.6840	1.4619	.8400	.2860	.8269	.8735	18.8016	75.1129	7.0803	.2793	3.0365
2.0986	1.2876	1.20	.6840	1.4619	.8700	.3038	.8603	.9113	19.2516	73.7992	6.8796	.2822	3.0092
2.0986	1.2876	1.20	.6840	1.4619	.9000	.3181	.8941	.9483	19.4671	72.6103	6.6789	.2850	2.9818
2.0986	1.2876	1.20	.6840	1.4619	.9300	.3293	.9281	.9846	19.4992	71.5273	6.4782	.2877	2.9544
2.0986	1.2876	1.20	.6840	1.4619	.9600	.3377	.9626	1.0204	19.3828	70.5381	6.2775	.2904	2.9269
2.0986	1.2876	1.20	.6840	1.4619	.9900	.3436	.9974	1.0557	19.1426	69.6355	6.0768	.2929	2.8993
2.0986	1.2876	1.20	.6840	1.4619	1.0200	.3472	1.0325	1.0907	18.7963	68.8160	5.8761	.2952	2.8716
2.0986	1.2876	1.20	.6840	1.4619	1.0500	.3484	1.0681	1.1254	18.3569	68.0789	5.6754	.2974	2.8434
2.0986	1.2876	1.20	.6840	1.4619	1.0800	.3475	1.1040	1.1598	17.8337	67.4264	5.4747	.2994	2.8159
2.0986	1.2876	1.20	.6840	1.4619	1.1100	.3443	1.1404	1.1940	17.2330	66.8635	5.2740	.3012	2.7878
2.0986	1.2876	1.20	.6840	1.4619	1.1400	.3390	1.1772	1.2281	16.5588	66.3984	5.0733	.3028	2.7597
2.0986	1.2876	1.20	.6840	1.4619	1.1700	.3314	1.2144	1.2622	15.8131	66.0435	4.8726	.3041	2.7313
2.0986	1.2876	1.20	.6840	1.4619	1.2000	.3214	1.2521	1.2962	14.9956	65.7413	4.6719	.3052	2.7024
2.0986	1.2876	1.20	.6840	1.4619	1.2300	.3090	1.2903	1.3304	14.1039	65.4815	4.4712	.3059	2.6741
2.0986	1.2876	1.20	.6840	1.4619	1.2600	.2940	1.3290	1.3647	13.1328	65.2544	4.2705	.3063	2.6459
2.0986	1.2876	1.20	.6840	1.4619	1.2900	.2759	1.3682	1.3991	12.0732	66.0662	4.0698	.3063	2.6159
2.0986	1.2876	1.20	.6840	1.4619	1.3200	.2544	1.4080	1.4339	10.9103	66.8743	3.8691	.3059	2.5863
2.0986	1.2876	1.20	.6840	1.4619	1.3500	.2288	1.4484	1.4690	9.6190	67.4820	3.6684	.3050	2.5565
2.0986	1.2876	1.20	.6840	1.4619	1.3800	.1977	1.4894	1.5046	8.1537	69.7442	3.4677	.3036	2.5262
2.0986	1.2876	1.20	.6840	1.4619	1.4100	.1586	1.5311	1.5408	6.4164	72.5934	3.2670	.3016	2.4954
2.0986	1.2876	1.20	.6840	1.4619	1.4400	.1035	1.5736	1.5777	4.1094	77.7321	3.0663	.2990	2.4640
2.0986	1.2876	1.24	.7587	1.3180	.7600	.0245	.7370	.7374	1.8485	88.7506	7.4461	.2579	3.4404
2.0986	1.2876	1.24	.7587	1.3180	.7900	.1182	.7694	.7780	8.5110	83.6359	7.2387	.2602	3.4126
2.0986	1.2876	1.24	.7587	1.3180	.8200	.1603	.8020	.8172	11.0608	81.4376	7.0313	.2623	3.3843
2.0986	1.2876	1.24	.7587	1.3180	.8500	.1891	.8350	.8554	12.5441	79.6409	6.8239	.2643	3.3560
2.0986	1.2876	1.24	.7587	1.3180	.8800	.2103	.8683	.8927	13.4386	78.1785	6.6165	.2662	3.3275
2.0986	1.2876	1.24	.7587	1.3180	.9100	.2259	.9019	.9292	13.9435	76.9484	6.4091	.2679	3.2990
2.0986	1.2876	1.24	.7587	1.3180	.9400	.2372	.9358	.9651	14.1649	75.9017	6.2017	.2696	3.2704
2.0986	1.2876	1.24	.7587	1.3180	.9700	.2448	.9701	1.0005	14.1666	75.0134	5.9943	.2710	3.2417
2.0986	1.2876	1.24	.7587	1.3180	1.0000	.2491	1.0047	1.0354	13.9891	74.2719	5.7869	.2723	3.2124
2.0986	1.2876	1.24	.7587	1.3180	1.0300	.2503	1.0397	1.0699	13.6592	73.6753	5.5795	.2733	3.1831

[illegible]

GAMMA = 1.3

DEL	MAX	DEL	XMIN	XMAX	X(M2U)	Y(M2V)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.3385	1.00	.4488	2.2282	.4500	.0443	.4253	.4274	5.6226	88.5728	13.7088	1.1679	2.7618	
1.3385	1.00	.4488	2.2282	.4800	.2237	.4560	.5031	24.9829	82.7095	13.4944	.1728	2.7357	
1.3385	1.00	.4488	2.2282	.5100	.3103	.4870	.5701	31.3184	79.7626	13.2800	.1779	2.7056	
1.3385	1.00	.4488	2.2282	.5400	.3752	.5184	.6312	34.7922	77.4696	13.0656	.1831	2.6775	
1.3385	1.00	.4488	2.2282	.5700	.4283	.5501	.6881	36.9238	75.5161	12.8511	.1885	2.6493	
1.3385	1.00	.4488	2.2282	.6000	.4737	.5821	.7417	38.2907	73.7784	12.6367	.1941	2.6212	
1.3385	1.00	.4488	2.2282	.6300	.5133	.6145	.7927	39.1738	72.1929	12.4223	.2000	2.5931	
1.3385	1.00	.4488	2.2282	.6600	.5485	.6473	.8417	39.7289	70.7216	12.2079	.2061	2.5649	
1.3385	1.00	.4488	2.2282	.6900	.5800	.6805	.8890	40.0505	69.3396	11.9935	.2124	2.5368	
1.3385	1.00	.4488	2.2282	.7200	.6084	.7141	.9349	40.1996	68.0296	11.7791	.2189	2.5086	
1.3385	1.00	.4488	2.2282	.7500	.6342	.7480	.9796	40.2173	66.7790	11.5647	.2257	2.4805	
1.3385	1.00	.4488	2.2282	.7800	.6576	.7824	1.0233	40.1326	65.5784	11.3503	.2327	2.4523	
1.3385	1.00	.4488	2.2282	.8100	.6789	.8172	1.0663	39.9663	64.4203	11.1358	.2401	2.4241	
1.3385	1.00	.4488	2.2282	.8400	.6982	.8524	1.1085	39.7338	63.2987	10.9214	.2477	2.3959	
1.3385	1.00	.4488	2.2282	.8700	.7158	.8881	1.1501	39.4468	62.2088	10.7070	.2556	2.3677	
1.3385	1.00	.4488	2.2282	.9000	.7318	.9243	1.1912	39.1142	61.1467	10.4926	.2638	2.3395	
1.3385	1.00	.4488	2.2282	.9300	.7462	.9609	1.2320	38.7430	60.1088	10.2782	.2724	2.3113	
1.3385	1.00	.4488	2.2282	.9600	.7592	.9980	1.2724	38.3386	59.0925	10.0638	.2813	2.2831	
1.3385	1.00	.4488	2.2282	.9900	.7708	1.0356	1.3125	37.9054	58.0951	9.8494	.2906	2.2548	
1.3385	1.00	.4488	2.2282	1.0200	.7812	1.0737	1.3525	37.4468	57.1145	9.6349	.3002	2.2266	
1.3385	1.00	.4488	2.2282	1.0500	.7902	1.1124	1.3922	36.9656	56.1488	9.4205	.3102	2.1983	
1.3385	1.00	.4488	2.2282	1.0800	.7981	1.1516	1.4319	36.4641	55.1963	9.2061	.3207	2.1701	
1.3385	1.00	.4488	2.2282	1.1100	.8048	1.1914	1.4716	35.9441	54.2554	8.9917	.3315	2.1418	
1.3385	1.00	.4488	2.2282	1.1400	.8104	1.2318	1.5113	35.4071	53.3248	8.7773	.3428	2.1135	
1.3385	1.00	.4488	2.2282	1.1700	.8148	1.2727	1.5510	34.8542	52.4031	8.5629	.3546	2.0851	
1.3385	1.00	.4488	2.2282	1.2000	.8182	1.3143	1.5908	34.2863	51.4892	8.3485	.3668	2.0568	
1.3385	1.00	.4488	2.2282	1.2300	.8204	1.3566	1.6307	33.7042	50.5819	8.1341	.3796	2.0284	
1.3385	1.00	.4488	2.2282	1.2600	.8216	1.3995	1.6707	33.1083	49.6803	7.9196	.3928	2.0001	
1.3385	1.00	.4488	2.2282	1.2900	.8218	1.4431	1.7110	32.4990	48.7834	7.7052	.4066	1.9717	
1.3385	1.00	.4488	2.2282	1.3200	.8209	1.4874	1.7516	31.8767	47.8902	7.4908	.4210	1.9442	
1.3385	1.00	.4488	2.2282	1.3500	.8189	1.5325	1.7924	31.2412	46.9998	7.2764	.4359	1.9148	
1.3385	1.00	.4488	2.2282	1.3800	.8159	1.5783	1.8335	30.5928	46.1113	7.0620	.4515	1.8863	
1.3385	1.00	.4488	2.2282	1.4100	.8118	1.6250	1.8750	29.9311	45.2239	6.8476	.4676	1.8578	
1.3385	1.00	.4488	2.2282	1.4400	.8066	1.6724	1.9169	29.2561	44.3366	6.6332	.4844	1.8292	
1.3385	1.00	.4488	2.2282	1.4700	.8004	1.7208	1.9593	28.5672	43.4488	6.4187	.5019	1.8006	
1.3385	1.00	.4488	2.2282	1.5000	.7930	1.7700	2.0022	27.8642	42.5595	6.2043	.5200	1.7720	
1.3385	1.00	.4488	2.2282	1.5300	.7845	1.8202	2.0455	27.1463	41.6678	5.9899	.5388	1.7433	
1.3385	1.00	.4488	2.2282	1.5600	.7748	1.8714	2.0895	26.4129	40.7728	5.7755	.5583	1.7146	
1.3385	1.00	.4488	2.2282	1.5900	.7640	1.9236	2.1341	25.6633	39.8737	5.5611	.5785	1.6858	
1.3385	1.00	.4488	2.2282	1.6200	.7519	1.9769	2.1794	24.8963	38.9694	5.3467	.5994	1.6570	
1.3385	1.00	.4488	2.2282	1.6500	.7385	2.0313	2.2254	24.1110	38.0590	5.1323	.6210	1.6281	
1.3385	1.00	.4488	2.2282	1.6800	.7237	2.0869	2.2723	23.3059	37.1414	4.9179	.6432	1.5990	
1.3385	1.00	.4488	2.2282	1.7100	.7076	2.1437	2.3200	22.4797	36.2154	4.7034	.6661	1.5700	
1.3385	1.00	.4488	2.2282	1.7400	.6900	2.2019	2.3687	21.6305	35.2799	4.4890	.6897	1.5408	
1.3385	1.00	.4488	2.2282	1.7700	.6708	2.2615	2.4185	20.7564	34.3334	4.2746	.7137	1.5114	
1.3385	1.00	.4488	2.2282	1.8000	.6500	2.3226	2.4694	19.8549	33.3746	4.0602	.7383	1.4820	
1.3385	1.00	.4488	2.2282	1.8300	.6274	2.3852	2.5215	18.9233	32.4017	3.8458	.7632	1.4524	
1.3385	1.00	.4488	2.2282	1.8600	.6029	2.4496	2.5751	17.9584	31.4131	3.6314	.7884	1.4226	
1.3385	1.00	.4488	2.2282	1.8900	.5763	2.5158	2.6301	16.9562	30.4066	3.4170	.8137	1.3925	
1.3385	1.00	.4488	2.2282	1.9200	.5474	2.5840	2.6870	15.9122	29.3799	3.2026	.8389	1.3622	
1.3385	1.00	.4488	2.2282	1.9500	.5160	2.6544	2.7457	14.8208	28.3304	2.9881	.8638	1.3316	
1.3385	1.00	.4488	2.2282	1.9800	.4818	2.7271	2.8067	13.6750	27.2550	2.7737	.8880	1.3006	
1.3385	1.00	.4488	2.2282	2.0100	.4444	2.8026	2.8703	12.4663	26.1500	2.5593	.9111	1.2691	
1.3385	1.00	.4488	2.2282	2.0400	.4033	2.8811	2.9369	11.1840	25.0109	2.3449	.9328	1.2370	
1.3385	1.00	.4488	2.2282	2.0700	.3581	2.9631	3.0071	9.8141	23.8326	2.1305	.9524	1.2042	
1.3385	1.00	.4488	2.2282	2.1000	.3078	3.0493	3.0819	8.3383	22.6083	1.9161	.9694	1.1703	
1.3385	1.00	.4488	2.2282	2.1300	.2514	3.1406	3.1624	6.7319	21.3296	1.7017	.9832	1.1350	
1.3385	1.00	.4488	2.2282	2.1600	.1875	3.2384	3.2506	4.9598	19.9858	1.4872	.9929	1.0977	
1.3385	1.00	.4488	2.2282	2.1900	.1137	3.3450	3.3495	2.9715	18.5820	1.2728	.9984	1.0576	
1.3385	1.00	.4488	2.2282	2.2200	.0267	3.4644	3.4646	.6883	17.1379	1.0584	1.0000	1.0132	
1.3385	1.04	.4768	2.0972	.4800	.0685	.4546	.4592	8.1248	87.6984	13.3572	.1666	2.9749	
1.3385	1.04	.4768	2.0972	.5100	.2195	.4854	.5285	23.2821	82.5355	13.1343	.1710	2.8456	

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2.2282	1.3385	1.12	.5407	1.8495	1.0000	.5843	1.0266	1.1890	30.2984	63.1071	9.1604	.2192	2.9686
2.2282	1.3385	1.12	.5407	1.8495	1.0300	.5912	1.0632	1.2259	29.8548	62.1397	8.9202	.2237	2.9366
2.2282	1.3385	1.12	.5407	1.8495	1.0600	.5966	1.1003	1.2626	29.3706	61.2010	8.6801	.2282	2.9046
2.2282	1.3385	1.12	.5407	1.8495	1.0900	.6005	1.1378	1.2991	28.8497	60.2891	8.4400	.2329	2.8726
2.2282	1.3385	1.12	.5407	1.8495	1.1200	.6029	1.1758	1.3354	28.2950	59.4024	8.1998	.2375	2.8404
2.2282	1.3385	1.12	.5407	1.8495	1.1500	.6040	1.2143	1.3716	27.7089	58.5397	7.9597	.2422	2.8082
2.2282	1.3385	1.12	.5407	1.8495	1.1800	.6037	1.2533	1.4078	27.0932	57.7002	7.7195	.2470	2.7760
2.2282	1.3385	1.12	.5407	1.8495	1.2100	.6019	1.2928	1.4439	26.4492	56.8834	7.4794	.2517	2.7437
2.2282	1.3385	1.12	.5407	1.8495	1.2400	.5988	1.3328	1.4801	26.0492	56.0893	7.2392	.2565	2.7114
2.2282	1.3385	1.12	.5407	1.8495	1.2700	.5944	1.3734	1.5164	25.7777	55.3181	6.9991	.2612	2.6790
2.2282	1.3385	1.12	.5407	1.8495	1.3000	.5884	1.4146	1.5528	25.0793	54.5706	6.7590	.2660	2.6466
2.2282	1.3385	1.12	.5407	1.8495	1.3300	.5811	1.4563	1.5893	24.3540	53.8480	6.5188	.2706	2.6140
2.2282	1.3385	1.12	.5407	1.8495	1.3600	.5723	1.4987	1.6260	23.6017	53.1519	6.2787	.2753	2.5813
2.2282	1.3385	1.12	.5407	1.8495	1.3900	.5620	1.5418	1.6630	22.8217	52.4849	6.0385	.2798	2.5486
2.2282	1.3385	1.12	.5407	1.8495	1.4200	.5501	1.5855	1.7003	22.0133	51.8502	5.7984	.2842	2.5157
2.2282	1.3385	1.12	.5407	1.8495	1.4500	.5365	1.6299	1.7379	21.1751	51.2521	5.5582	.2885	2.4827
2.2282	1.3385	1.12	.5407	1.8495	1.4800	.5213	1.6750	1.7759	20.3055	50.6964	5.3181	.2926	2.4496
2.2282	1.3385	1.12	.5407	1.8495	1.5100	.5041	1.7210	1.8143	19.4023	50.1908	5.0780	.2964	2.4163
2.2282	1.3385	1.12	.5407	1.8495	1.5400	.4851	1.7677	1.8533	18.4628	49.7453	4.8378	.3000	2.3828
2.2282	1.3385	1.12	.5407	1.8495	1.5700	.4639	1.8153	1.8929	17.4837	49.3738	4.5977	.3033	2.3491
2.2282	1.3385	1.12	.5407	1.8495	1.6000	.4404	1.8639	1.9332	16.4607	49.0949	4.3575	.3062	2.3151
2.2282	1.3385	1.12	.5407	1.8495	1.6300	.4143	1.9134	1.9742	15.3885	48.9350	4.1174	.3086	2.2808
2.2282	1.3385	1.12	.5407	1.8495	1.6600	.3853	1.9640	2.0162	14.2601	48.9321	3.8772	.3106	2.2462
2.2282	1.3385	1.12	.5407	1.8495	1.6900	.3529	2.0158	2.0592	13.0663	49.1424	3.6371	.3119	2.2111
2.2282	1.3385	1.12	.5407	1.8495	1.7200	.3165	2.0688	2.1035	11.7944	49.6535	3.3970	.3125	2.1756
2.2282	1.3385	1.12	.5407	1.8495	1.7500	.2750	2.1233	2.1494	10.4261	50.6093	3.1568	.3123	2.1394
2.2282	1.3385	1.12	.5407	1.8495	1.7800	.2267	2.1795	2.1971	8.9321	52.2656	2.9167	.3112	2.1024
2.2282	1.3385	1.12	.5407	1.8495	1.8100	.1674	2.2375	2.2470	7.2592	55.1338	2.6765	.3090	2.0645
2.2282	1.3385	1.12	.5407	1.8495	1.8400	.0795	2.2978	2.3000	5.2841	60.4623	2.4364	.3056	2.0254
2.2282	1.3385	1.12	.5407	1.8495	1.8400	.0795	2.2978	2.3000	2.4729	73.3330	2.1962	.3008	1.9846

2.2282	1.3385	1.16	.5782	1.7295	.5800	.0435	.5532	.5547	4.2904	88.3260	12.1164	.1605	3.6497
2.2282	1.3385	1.16	.5782	1.7295	.6100	.1796	.5844	.6093	16.4072	82.9808	11.8677	.1635	3.6168
2.2282	1.3385	1.16	.5782	1.7295	.6400	.2467	.6160	.6602	21.0815	80.2031	11.6190	.1666	3.5838
2.2282	1.3385	1.16	.5782	1.7295	.6700	.2962	.6479	.7083	23.8480	78.0451	11.3703	.1697	3.5509
2.2282	1.3385	1.16	.5782	1.7295	.7000	.3359	.6800	.7543	25.6329	76.2132	11.1215	.1728	3.5179
2.2282	1.3385	1.16	.5782	1.7295	.7300	.3690	.7125	.7984	26.8153	74.5911	10.8728	.1760	3.4849
2.2282	1.3385	1.16	.5782	1.7295	.7600	.3972	.7453	.8410	27.5916	73.1189	10.6241	.1792	3.4519
2.2282	1.3385	1.16	.5782	1.7295	.7900	.4214	.7785	.8823	28.0775	71.7608	10.3754	.1824	3.4189
2.2282	1.3385	1.16	.5782	1.7295	.8200	.4424	.8120	.9226	28.3465	70.4936	10.1267	.1857	3.3858
2.2282	1.3385	1.16	.5782	1.7295	.8500	.4605	.8459	.9620	28.4479	69.3016	9.8780	.1891	3.3527
2.2282	1.3385	1.16	.5782	1.7295	.8800	.4761	.8801	1.0006	28.4163	68.1731	9.6292	.1924	3.3196
2.2282	1.3385	1.16	.5782	1.7295	.9100	.4895	.9147	1.0386	28.2767	67.0997	9.3805	.1958	3.2864
2.2282	1.3385	1.16	.5782	1.7295	.9400	.5008	.9496	1.0760	28.0474	66.0752	9.1318	.1992	3.2532
2.2282	1.3385	1.16	.5782	1.7295	.9700	.5102	.9850	1.1129	27.7423	65.0946	8.8831	.2025	3.2199
2.2282	1.3385	1.16	.5782	1.7295	1.0000	.5177	1.0207	1.1494	27.3720	64.1545	8.6344	.2059	3.1866
2.2282	1.3385	1.16	.5782	1.7295	1.0300	.5236	1.0569	1.1856	26.9446	63.2520	8.3856	.2093	3.1533
2.2282	1.3385	1.16	.5782	1.7295	1.0600	.5277	1.0935	1.2215	26.4664	62.3854	8.1369	.2127	3.1199
2.2282	1.3385	1.16	.5782	1.7295	1.0900	.5303	1.1305	1.2572	25.9422	61.5534	7.8882	.2161	3.0864
2.2282	1.3385	1.16	.5782	1.7295	1.1200	.5312	1.1680	1.2927	25.3759	60.7556	7.6395	.2194	3.0529
2.2282	1.3385	1.16	.5782	1.7295	1.1500	.5306	1.2059	1.3281	24.7701	59.9919	7.3908	.2227	3.0193
2.2282	1.3385	1.16	.5782	1.7295	1.1800	.5285	1.2444	1.3635	24.1270	59.2633	7.1420	.2259	2.9856
2.2282	1.3385	1.16	.5782	1.7295	1.2100	.5248	1.2833	1.3988	23.4478	58.5712	6.8933	.2291	2.9514
2.2282	1.3385	1.16	.5782	1.7295	1.2400	.5195	1.3227	1.4341	22.7333	57.9179	6.6446	.2321	2.9180
2.2282	1.3385	1.16	.5782	1.7295	1.2700	.5127	1.3627	1.4695	21.9837	57.3067	6.3959	.2351	2.8840
2.2282	1.3385	1.16	.5782	1.7295	1.3000	.5042	1.4032	1.5050	21.1987	56.7421	6.1472	.2379	2.8499
2.2282	1.3385	1.16	.5782	1.7295	1.3300	.4940	1.4442	1.5407	20.3775	56.2301	5.8984	.2405	2.8156
2.2282	1.3385	1.16	.5782	1.7295	1.3600	.4821	1.4859	1.5765	19.5184	55.7785	5.6497	.2430	2.7813
2.2282	1.3385	1.16	.5782	1.7295	1.3900	.4683	1.5282	1.6126	18.6195	55.3980	5.4010	.2452	2.7467
2.2282	1.3385	1.16	.5782	1.7295	1.4200	.4526	1.5712	1.6490	17.6777	55.1025	5.1523	.2472	2.7119
2.2282	1.3385	1.16	.5782	1.7295	1.4500	.4347	1.6148	1.6858	16.6893	54.9112	4.9036	.2489	2.6769
2.2282	1.3385	1.16	.5782	1.7295	1.4800	.4146	1.6592	1.7231	15.6490	54.6501	4.6548	.2503	2.6417
2.2282	1.3385	1.16	.5782	1.7295	1.5100	.3919	1.7043	1.7608	14.5500	54.4561	4.4061	.2512	2.6061
2.2282	1.3385	1.16	.5782	1.7295	1.5400	.3664	1.7503	1.7992	13.3830	55.2829	4.1574	.2517	2.5702
2.2282	1.3385	1.16	.5782	1.7295	1.5700	.3376	1.7972	1.8382	12.1347	55.9115	3.9087	.2517	2.5338
2.2282	1.3385	1.16	.5782	1.7295	1.6000	.3048	1.8450	1.8782	10.7852	56.9707	3.6600	.2512	2.4969
2.2282	1.3385	1.16	.5782	1.7295	1.6300	.2670	1.8938	1.9191	9.3025	58.6813	3.4112	.2500	2.4595
2.2282	1.3385	1.16	.5782	1.7295	1.6600	.2223	1.9439	1.9612	7.6269	61.4654	3.1625	.2481	2.4212
2.2282	1.3385	1.16	.5782	1.7295	1.6900	.1663	1.9952	2.0049	5.6187	66.3030	2.9138	.2453	2.3820
2.2282	1.3385	1.16	.5782	1.7295	1.7200	.0806	2.0481	2.0504	2.6825	76.9911	2.6651	.2416	2.3416

2.2282	1.3385	1.20	.6213	1.6095	.6300	.0877	.6036	.6094	7.9216	86.4274	11.5218	.1588	3.8704
2.2282	1.3385	1.20	.6213	1.6095	.6600	.1819	.6352	.6589	15.4091	82.4586	11.2645	.1613	3.8362
2.2282	1.3385	1.20	.6213	1.6095	.6900	.2382	.6670	.7057	19.0470	79.9492	11.0072	.1639	3.8020
2.2282	1.3385	1.20	.6213	1.6095	.7200	.2805	.6992	.7504	21.2829	77.4516	10.7499	.1664	3.7678
2.2282	1.3385	1.20	.6213	1.6095	.7500	.3144	.7316	.7933	22.7424	76.2423	10.4926	.1690	3.7335
2.2282	1.3385	1.20	.6213	1.6095	.7800	.3425	.7644	.8349	23.7037	74.7259	10.2353	.1716	3.6992
2.2282	1.3385	1.20	.6213	1.6095	.8100	.3660	.7975	.8752	24.3183	73.3510	9.9780	.1742	3.6649
2.2282	1.3385	1.20	.6213	1.6095	.8400	.3860	.8310	.9145	24.6780	72.0869	9.7207	.1768	3.6306
2.2282	1.3385	1.20	.6213	1.6095	.8700	.4028	.8648	.9530	24.8428	70.9132	9.4634	.1792	3.5963
2.2282	1.3385	1.20	.6213	1.6095	.9000	.4163	.8989						

3.5	2.2282	1.3385	1.24	.6730	1.4858	.9800	.3685	.9870	1.0538	20.5033	70.2545	8.2393	.1750	3.7800
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0100	.3714	1.0222	1.0891	20.1919	69.4523	7.9740	.1767	3.7039
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0400	.3742	1.0577	1.1241	19.7880	68.7252	7.7081	.1782	3.6677
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0700	.3747	1.0937	1.1588	19.3013	68.0740	7.4422	.1796	3.6315
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1000	.3732	1.1300	1.1932	18.7387	67.5017	7.1763	.1809	3.5911
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1300	.3694	1.1668	1.2275	18.1050	67.0140	6.9105	.1821	3.5516
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1600	.3636	1.2039	1.2617	17.4026	66.6193	6.6446	.1831	3.5220
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1900	.3555	1.2416	1.2958	16.6324	66.3297	6.3787	.1840	3.4822
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2200	.3451	1.2797	1.3299	15.7930	66.1620	6.1129	.1847	3.4412
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2500	.3322	1.3183	1.3640	14.8811	66.1397	5.8470	.1851	3.4110
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2800	.3165	1.3574	1.3983	13.8906	66.2557	5.5811	.1854	3.3715
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3100	.2979	1.3970	1.4327	12.8114	66.6773	5.3152	.1853	3.3399
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3400	.2757	1.4372	1.4674	11.6277	67.3552	5.0494	.1850	3.2978
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3700	.2493	1.4780	1.5023	10.3134	68.4402	4.7835	.1844	3.2595
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4000	.2173	1.5195	1.5377	8.8223	70.1216	4.5176	.1834	3.2207
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4300	.1771	1.5616	1.5735	7.0587	72.7701	4.2517	.1821	3.1814
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4600	.1214	1.6044	1.6100	4.7533	77.5513	3.9859	.1803	3.1415

3.5	2.2282	1.3385	1.28	.7400	1.3514	.7400	.0046	.7161	.7161	.3598	89.7835	10.1553	.1526	4.3169
3.5	2.2282	1.3385	1.28	.7400	1.3514	.7700	.1245	.7483	.7580	9.1826	84.6753	9.8808	.1541	4.2800
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8000	.1711	.7809	.7985	12.0699	81.6779	9.6064	.1555	4.2431
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8300	.2033	.8137	.8378	13.7645	79.8827	9.3319	.1569	4.2062
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8600	.2274	.8468	.8760	14.8141	78.4143	9.0575	.1582	4.1691
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8900	.2459	.8803	.9133	15.4432	77.1685	8.7830	.1595	4.1320
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9200	.2598	.9141	.9499	15.7707	76.0941	8.5086	.1607	4.0948
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9500	.2700	.9483	.9858	15.8678	75.1639	8.2341	.1618	4.0575
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9800	.2769	.9827	1.0212	15.7801	74.3631	7.9597	.1628	4.0201
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0100	.2808	1.0176	1.0562	15.5383	73.6855	7.6852	.1637	3.9826
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0400	.2818	1.0528	1.0908	15.1629	73.1310	7.4108	.1645	3.9449
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0700	.2801	1.0884	1.1250	14.6573	72.7052	7.1363	.1652	3.9071
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1000	.2755	1.1244	1.1591	14.0597	72.4196	6.8619	.1657	3.8692
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1300	.2680	1.1608	1.1930	13.3429	72.2931	6.5874	.1660	3.8311
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1600	.2575	1.1976	1.2267	12.5151	72.3541	6.3130	.1662	3.7928
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1900	.2436	1.2348	1.2605	11.5684	72.6453	6.0385	.1661	3.7543
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2200	.2258	1.2726	1.2942	10.4862	73.2324	5.7641	.1659	3.7155
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2500	.2033	1.3108	1.3280	9.2371	74.2219	5.4896	.1654	3.6764
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2800	.1744	1.3495	1.3619	7.7587	75.6045	5.2152	.1646	3.6370
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.3100	.1355	1.3887	1.3961	5.9037	78.3921	4.9407	.1636	3.5972
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.3400	.0724	1.4285	1.4306	3.0919	83.4401	4.6663	.1622	3.5570

3.5	2.2282	1.3385	1.32	.8461	1.1819	.8500	.0338	.8329	.8336	2.2787	88.2217	8.9059	.1491	4.4774
3.5	2.2282	1.3385	1.32	.8461	1.1819	.8800	.0945	.8660	.8710	6.1273	84.4042	8.6229	.1499	4.4389
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9100	.1227	.8995	.9076	7.6822	83.1998	8.3399	.1506	4.4003
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9400	.1400	.9332	.9435	8.4691	82.0275	8.0569	.1511	4.3616
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9700	.1500	.9673	.9789	8.7928	81.2017	7.7738	.1516	4.3228
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0000	.1544	1.0018	1.0137	8.7799	80.6632	7.4908	.1519	4.2838
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0300	.1538	1.0366	1.0481	8.4908	80.4028	7.2078	.1521	4.2447
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0600	.1480	1.0718	1.0822	7.9493	80.4455	6.9248	.1521	4.2053
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0900	.1367	1.1073	1.1160	7.1481	80.6575	6.6417	.1520	4.1658
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1200	.1184	1.1433	1.1496	6.0335	81.7791	6.3587	.1517	4.1261
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1500	.0891	1.1796	1.1831	4.4311	83.5590	6.0757	.1512	4.0861
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1800	.0229	1.2164	1.2166	1.1138	88.2696	5.7927	.1505	4.0458

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
.0	2.3263	1.3781	1.00	.4299	2.3263	.4300	.0156	.4059	.4062	2.0750	89.5293	17.9553	.0993	3.3179
.0	2.3263	1.3781	1.00	.4299	2.3263	.4600	.2295	.4365	.4879	26.5165	82.9892	17.6871	.1025	3.2828
.0	2.3263	1.3781	1.00	.4299	2.3263	.4900	.3214	.4675	.5591	33.2640	80.0716	17.4188	.1057	3.2477
.0	2.3263	1.3781	1.00	.4299	2.3263	.5200	.3901	.4988	.6236	36.8758	77.6139	17.1506	.1091	3.2126
.0	2.3263	1.3781	1.00	.4299	2.3263	.5500	.4463	.5305	.6832	39.0604	75.6951	16.8824	.1126	3.1775
.0	2.3263	1.3781	1.00	.4299	2.3263	.5800	.4945	.5626	.7393	40.4479	74.1910	16.6141	.1163	3.1424
.0	2.3263	1.3781	1.00	.4299	2.3263	.6100	.5366	.5950	.7925	41.3382	72.6378	16.3459	.1202	3.1073
.0	2.3263	1.3781	1.00	.4299	2.3263	.6400	.5741	.6278	.8435	41.8954	71.1977	16.0777	.1242	3.0722
.0	2.3263	1.3781	1.00	.4299	2.3263	.6700	.6079	.6611	.8926	42.2176	69.6461	15.8094	.1283	3.0370
.0	2.3263	1.3781	1.00	.4299	2.3263	.7000	.6385	.6947	.9402	42.3678	68.5659	15.5412	.1327	3.0019
.0	2.3263	1.3781	1.00	.4299	2.3263	.7300	.6663	.7287	.9866	42.3879	67.3446	15.2730	.1372	2.9668
.0	2.3263	1.3781	1.00	.4299	2.3263	.7600	.6917	.7632	1.0320	42.3072	66.1727	15.0047	.1419	2.9317
.0	2.3263	1.3781	1.00	.4299	2.3263	.7900	.7150	.7981	1.0765	42.1468	65.0431	14.7365	.1469	2.8965
.0	2.3263	1.3781	1.00	.4299	2.3263	.8200	.7353	.8335	1.1202	41.9222	63.9497	14.4682	.1520	2.8614
.0	2.3263	1.3781	1.00	.4299	2.3263	.8500	.7559	.8694	1.1634	41.6451	62.6880	14.2000	.1574	2.8262
.0	2.3263	1.3781	1.00	.4299	2.3263	.8800	.7738	.9057	1.2060	41.3243	61.6539	13.9318	.1631	2.7911
.0	2.3263	1.3781	1.00	.4299	2.3263	.9100	.7901	.9425	1.2483	40.9668	60.6441	13.6635	.1690	2.7559
.0	2.3263	1.3781	1.00	.4299	2.3263	.9400	.8051	.9799	1.2901	40.5780	59.6558	13.3953	.1751	2.7207
.0	2.3263	1.3781	1.00	.4299	2.3263	.9700	.8186	1.0178	1.3318	40.1622	58.6867	13.1271	.1816	2.6855
.0	2.3263	1.3781	1.00	.4299	2.3263	1.0000	.8309	1.0562	1.3732	39.7228	57.9345	12.8588	.1883	2.6504
.0	2.3263	1.3781	1.00	.4299	2.3263	1.0300	.8419	1.0952	1.4145	39.2626	56.9974	12.5906	.1954	2.6152
.0	2.3263	1.3781	1.00	.4299	2.3263	1.0600	.8518	1.1347	1.4557	38.7840	56.0738	12.3224	.2028	2.5800
.0	2.3263	1.3781	1.00	.4299	2.3263	1.0900	.8605	1.1749	1.4969	38.2886	55.1621	12.0541	.2105	2.5447
.0	2.3263	1.3781	1.00	.4299	2.3263	1.1200	.8681	1.2157	1.5381	37.7780	54.2611	11.7859	.2187	2.5095
.0	2.3263	1.3781	1.00	.4299	2.3263	1.1500	.8746	1.2571	1.5793	37.2533	53.3695	11.5177	.2272	2.4743
.0	2.3263	1.3781	1.00	.4299	2.3263	1.1800	.8800	1.2992	1.6207	36.7156	52.4861	11.2494	.2361	2.4390
.0	2.3263	1.3781	1.00	.4299	2.3263	1.2100	.8845	1.3419	1.6622	36.1655	51.6100	10.9812	.2455	2.4038
.0	2.3263	1.3781	1.00	.4299	2.3263	1.2400	.8879	1.3854	1.7039	35.6037	50.7401	10.7130	.2554	2.3685
.0	2.3263	1.3781	1.00	.4299	2.3263	1.2700	.8903	1.4296	1.7459	35.0306	49.8756	10.4447	.2657	2.3332
.0	2.3263	1.3781	1.00	.4299	2.3263	1.3000	.8917	1.4746	1.7881	34.4465	49.0155	10.1765	.2766	2.2979
.0	2.3263	1.3781	1.00	.4299	2.3263	1.3300	.8921	1.5203	1.8307	33.8517	48.1590	9.9083	.2880	2.2626
.0	2.3263	1.3781	1.00	.4299	2.3263	1.3600	.8915	1.5669	1.8736	33.2462	47.3054	9.6400	.3000	2.2273
.0	2.3263	1.3781	1.00	.4299	2.3263	1.3900	.8900	1.6143	1.9169	32.6301	46.4538	9.3718	.3126	2.1919
.0	2.3263	1.3781	1.00	.4299	2.3263	1.4200	.8874	1.6627	1.9606	32.0032	45.6036	9.1036	.3258	2.1565
.0	2.3263	1.3781	1.00	.4299	2.3263	1.4500	.8839	1.7119	2.0049	31.3655	44.7538	8.8353	.3397	2.1211
.0	2.3263	1.3781	1.00	.4299	2.3263	1.4800	.8793	1.7621	2.0496	30.7166	43.9038	8.5671	.3543	2.0857
.0	2.3263	1.3781	1.00	.4299	2.3263	1.5100	.8738	1.8133	2.0950	30.0563	43.0529	8.2988	.3697	2.0502
.0	2.3263	1.3781	1.00	.4299	2.3263	1.5400	.8672	1.8655	2.1410	29.3842	42.2002	8.0306	.3859	2.0147
.0	2.3263	1.3781	1.00	.4299	2.3263	1.5700	.8595	1.9189	2.1876	28.6997	41.3450	7.7624	.4029	1.9792
.0	2.3263	1.3781	1.00	.4299	2.3263	1.6000	.8508	1.9733	2.2350	28.0022	40.4666	7.4941	.4208	1.9437
.0	2.3263	1.3781	1.00	.4299	2.3263	1.6300	.8410	2.0290	2.2831	27.2912	39.6240	7.2259	.4395	1.9081
.0	2.3263	1.3781	1.00	.4299	2.3263	1.6600	.8300	2.0859	2.3321	26.5658	38.7565	6.9577	.4593	1.8724
.0	2.3263	1.3781	1.00	.4299	2.3263	1.6900	.8179	2.1442	2.3820	25.8250	37.8831	6.6894	.4800	1.8367
.0	2.3263	1.3781	1.00	.4299	2.3263	1.7200	.8045	2.2038	2.4329	25.0678	37.0029	6.4212	.5017	1.8010
.0	2.3263	1.3781	1.00	.4299	2.3263	1.7500	.7899	2.2648	2.4849	24.2931	36.1149	6.1530	.5245	1.7651
.0	2.3263	1.3781	1.00	.4299	2.3263	1.7800	.7739	2.3275	2.5379	23.4994	35.2180	5.8847	.5483	1.7292
.0	2.3263	1.3781	1.00	.4299	2.3263	1.8100	.7566	2.3917	2.5922	22.6851	34.3109	5.6165	.5732	1.6933
.0	2.3263	1.3781	1.00	.4299	2.3263	1.8400	.7378	2.4577	2.6479	21.8485	33.3925	5.3483	.5992	1.6572
.0	2.3263	1.3781	1.00	.4299	2.3263	1.8700	.7173	2.5255	2.7049	20.9873	32.4613	5.0800	.6263	1.6210
.0	2.3263	1.3781	1.00	.4299	2.3263	1.9000	.6953	2.5952	2.7635	20.0990	31.5157	4.8118	.6545	1.5847
.0	2.3263	1.3781	1.00	.4299	2.3263	1.9300	.6714	2.6671	2.8238	19.1808	30.5539	4.5436	.6836	1.5482
.0	2.3263	1.3781	1.00	.4299	2.3263	1.9600	.6455	2.7412	2.8860	18.2292	29.5739	4.2753	.7137	1.5115
.0	2.3263	1.3781	1.00	.4299	2.3263	1.9900	.6175	2.8177	2.9503	17.2401	28.5735	4.0071	.7444	1.4747
.0	2.3263	1.3781	1.00	.4299	2.3263	2.0200	.5872	2.8969	3.0168	16.2084	27.5500	3.7389	.7758	1.4375
.0	2.3263	1.3781	1.00	.4299	2.3263	2.0500	.5542	2.9790	3.0859	15.1279	26.5003	3.4706	.8074	1.4001
.0	2.3263	1.3781	1.00	.4299	2.3263	2.0800	.5183	3.0643	3.1580	13.9912	25.4208	3.2024	.8390	1.3622
.0	2.3263	1.3781	1.00	.4299	2.3263	2.1100	.4789	3.1532	3.2334	12.7886	24.3071	2.9342	.8699	1.3239
.0	2.3263	1.3781	1.00	.4299	2.3263	2.1400	.4357	3.2462	3.3128	11.5077	23.1537	2.6659	.8998	1.2849
.0	2.3263	1.3781	1.00	.4299	2.3263	2.1700	.3878	3.3440	3.3970	10.1323	21.9542	2.3977	.9276	1.2450
.0	2.3263	1.3781	1.00	.4299	2.3263	2.2000	.3343	3.4475	3.4870	8.6401	20.7001	2.1294	.9525	1.2040
.0	2.3263	1.3781	1.00	.4299	2.3263	2.2300	.2738	3.5580	3.5847	7.0002	19.3803	1.8612	.9777	

3

1.00	2.3263	1.3781	1.04	.4557	2.1945	1.9000	.5591	2.5353	2.6428	17.4304	35.0029	4.4112	.4467	1.8348
1.00	2.3263	1.3781	1.04	.4557	2.1945	1.9300	.5285	2.6039	2.6998	16.3959	34.2850	4.1323	.4459	1.7959
1.00	2.3263	1.3781	1.04	.4557	2.1945	1.9600	.4951	2.6747	2.7587	15.3136	33.6018	3.8533	.4471	1.7568
1.00	2.3263	1.3781	1.04	.4557	2.1945	1.9900	.4585	2.7479	2.8199	14.1762	32.4699	3.5743	.4482	1.7172
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.0200	.4182	2.8239	2.8837	12.9746	32.4154	3.2954	.4492	1.6771
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.0500	.3736	2.9029	2.9507	11.6971	31.4818	3.0164	.4501	1.6363
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.0800	.3237	2.9857	3.0216	10.3278	31.7465	2.7374	.4509	1.5947
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.1100	.2672	3.0729	3.0975	8.8450	31.5584	2.4585	.4512	1.5520
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.1400	.2017	3.1658	3.1798	7.2160	32.6445	2.1795	.4516	1.5077
1.00	2.3263	1.3781	1.04	.4557	2.1945	2.1700	.1220	3.2661	3.2713	5.3851	34.9794	1.9006	.4511	1.4612
										3.2190	42.3238	1.6216	.4515	1.4116
1.00	2.3263	1.3781	1.08	.4834	2.0686	.4900	.0985	.4646	.4739	11.3692	86.7748	17.0683	.0981	3.8365
1.00	2.3263	1.3781	1.08	.4834	2.0686	.5200	.2299	.4955	.5417	23.8530	82.3796	16.7786	.1006	3.7985
1.00	2.3263	1.3781	1.08	.4834	2.0686	.5500	.3070	.5267	.6032	29.1676	79.6960	16.4890	.1033	3.7605
1.00	2.3263	1.3781	1.08	.4834	2.0686	.5800	.3658	.5582	.6600	32.2402	77.5615	16.1953	.1061	3.7225
1.00	2.3263	1.3781	1.08	.4834	2.0686	.6100	.4143	.5901	.7124	34.1819	75.7274	15.9096	.1089	3.6845
1.00	2.3263	1.3781	1.08	.4834	2.0686	.6400	.4557	.6224	.7640	35.4505	74.0891	15.6199	.1118	3.6465
1.00	2.3263	1.3781	1.08	.4834	2.0686	.6700	.4918	.6550	.8125	36.2802	72.5911	15.3302	.1149	3.6084
1.00	2.3263	1.3781	1.08	.4834	2.0686	.7000	.5238	.6879	.8592	36.8051	71.1995	15.0405	.1180	3.5704
1.00	2.3263	1.3781	1.08	.4834	2.0686	.7300	.5523	.7213	.9044	37.1088	69.6921	14.7508	.1212	3.5323
1.00	2.3263	1.3781	1.08	.4834	2.0686	.7600	.5778	.7550	.9484	37.2462	68.6532	14.4611	.1245	3.4943
1.00	2.3263	1.3781	1.08	.4834	2.0686	.7900	.6008	.7891	.9914	37.2552	67.4712	14.1714	.1280	3.4562
1.00	2.3263	1.3781	1.08	.4834	2.0686	.8200	.6216	.8236	1.0335	37.1627	66.3375	13.8817	.1315	3.4181
1.00	2.3263	1.3781	1.08	.4834	2.0686	.8500	.6402	.8586	1.0749	36.9883	65.2452	13.5920	.1352	3.3800
1.00	2.3263	1.3781	1.08	.4834	2.0686	.8800	.6570	.8939	1.1156	36.7466	64.1891	13.3023	.1390	3.3419
1.00	2.3263	1.3781	1.08	.4834	2.0686	.9100	.6721	.9297	1.1558	36.4489	63.1645	13.0126	.1429	3.3037
1.00	2.3263	1.3781	1.08	.4834	2.0686	.9400	.6856	.9660	1.1956	36.1037	62.1680	12.7229	.1469	3.2656
1.00	2.3263	1.3781	1.08	.4834	2.0686	.9700	.6975	1.0027	1.2350	35.7177	61.1964	12.4332	.1511	3.2274
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.0000	.7079	1.0399	1.2741	35.2963	60.2473	12.1435	.1554	3.1892
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.0300	.7170	1.0775	1.3129	34.8436	59.3184	11.8539	.1598	3.1510
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.0600	.7248	1.1157	1.3516	34.3632	58.4079	11.5642	.1644	3.1128
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.0900	.7313	1.1544	1.3901	33.8575	57.5142	11.2745	.1691	3.0746
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.1200	.7365	1.1936	1.4286	33.3289	56.6359	10.9848	.1739	3.0363
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.1500	.7405	1.2334	1.4670	32.7791	55.7718	10.6951	.1789	2.9980
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.2100	.7450	1.3146	1.5439	31.6206	54.0823	10.1157	.1893	2.9213
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.2400	.7455	1.3562	1.5824	31.0138	53.2554	9.8260	.1947	2.8829
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.2700	.7448	1.3983	1.6211	30.3894	52.4394	9.5363	.2003	2.8445
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.3000	.7429	1.4412	1.6599	29.7478	51.6339	9.2466	.2060	2.8061
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.3300	.7399	1.4846	1.6989	29.0891	50.8387	8.9569	.2119	2.7675
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.3600	.7358	1.5288	1.7382	28.4133	50.0535	8.6672	.2179	2.7290
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.3900	.7304	1.5737	1.7777	27.7201	49.2782	8.3775	.2240	2.6904
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.4200	.7238	1.6193	1.8176	27.0094	48.5131	8.0878	.2303	2.6517
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.4500	.7160	1.6658	1.8578	26.2804	47.7583	7.7981	.2366	2.6130
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.4800	.7070	1.7130	1.8984	25.5325	47.0146	7.5084	.2431	2.5742
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.5100	.6966	1.7611	1.9394	24.7649	46.2826	7.2188	.2496	2.5353
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.5400	.6849	1.8100	1.9809	23.9764	45.5636	6.9291	.2563	2.4964
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.5700	.6718	1.8599	2.0230	23.1658	44.8593	6.6394	.2629	2.4573
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.6000	.6572	1.9107	2.0656	22.3315	44.1717	6.3497	.2696	2.4181
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.6300	.6411	1.9626	2.1089	21.5716	43.5039	6.0600	.2762	2.3788
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.6600	.6234	2.0155	2.1529	20.8339	42.8597	5.7703	.2828	2.3393
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.6900	.6040	2.0695	2.1977	19.6659	42.2444	5.4806	.2892	2.2997
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.7200	.5827	2.1247	2.2433	18.7143	41.6652	5.1909	.2955	2.2598
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.7500	.5594	2.1812	2.2899	17.7255	41.1318	4.9012	.3015	2.2198
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.7800	.5338	2.2391	2.3376	16.6948	40.6581	4.6115	.3072	2.1794
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.8100	.5059	2.2983	2.3864	15.6164	40.2638	4.3218	.3124	2.1387
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.8400	.4753	2.3592	2.4367	14.4835	39.9779	4.0321	.3170	2.0976
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.8700	.4416	2.4218	2.4884	13.2867	39.6447	3.7424	.3209	2.0560
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.9000	.4043	2.4863	2.5420	12.0139	39.3352	3.4527	.3239	2.0134
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.9300	.3629	2.5530	2.5977	10.6485	40.03694	3.1630	.3258	1.9709
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.9600	.3162	2.6221	2.6560	9.1657	41.3687	2.8734	.3264	1.9269
1.00	2.3263	1.3781	1.08	.4834	2.0686	1.9900	.2629	2.6941	2.7175	7.5249	43.3909	2.5837	.3253	1.8816
1.00	2.3263	1.3781	1.08	.4834	2.0686	2.0200	.1997	2.7696	2.7831	5.6446	47.5812	2.2940	.3224	1.8345
1.00	2.3263	1.3781	1.08	.4834	2.0686	2.0500	.1171	2.8495	2.8542	3.2691	58.1523	2.0043	.3172	1.7844
1.00	2.3263	1.3781	1.12	.5135	1.9474	.5200	.0929	.4940	.5018	10.1295	86.6314	16.5927	.0970	4.1097
1.00	2.3263	1.3781	1.12	.5135	1.9474	.5500	.2179	.5250	.5647	21.6112	82.4693	16.2922	.0993	4.0703
1.00	2.3263	1.3781	1.12	.5135	1.9474	.5800	.2907	.5563	.6223	26.6242	79.6139	15.9918	.1016	4.0308
1.00	2.3263	1.3781	1.12	.5135	1.9474	.6100	.3461	.5880	.6761	29.5728	77.7045	15.6914	.1041	3.9913
1.00	2.3263	1.3781	1.12	.5135	1.9474	.6400	.3916	.6200	.7268	31.4588	75.6940	15.3910	.1066	3.9518
1.00	2.3263	1.3781	1.12	.5135	1.9474	.6700	.4302	.6523	.7752	32.7021	74.2785	15.0906	.1092	3.9123
1.00	2.3263	1.3781	1.12	.5135	1.9474	.7000	.4637	.6850	.8217	33.5200	72.6031	14.7901	.1118	3.8728
1.00	2.3263	1.3781	1.12	.5135	1.9474	.7300	.4931	.7180	.8665	34.0391	71.4342	14.4897	.1145	3.8332
1.00	2.3263	1.3781	1.12	.5135	1.9474	.7600	.5192	.7514	.9100	34.3390	70.1498	14.1893	.1173	3.7937
1.00	2.3263	1.3781	1.12	.5135	1.9474	.7900	.5424	.7852	.9525	34.4725	68.4345	13.8889	.1201	3.7541
1.00	2.3263	1.3781	1.12	.5135	1.9474	.8200	.5631	.8194	.9939	34.4763	67.7768	13.5884	.1231	3.7145
1.00	2.3263	1.3781	1.12	.5135	1.9474	.8500	.5815	.8539	1.0346	34.3766	66.6683	13.2880	.1261	3.6749
1.00	2.3263	1.3781	1.12	.5135	1.9474	.8800	.5979	.8888	1.0746	34.1927	65.6023	12.9876	.1291	3.6353
1.00	2.3263	1.3781	1.12	.5135	1.9474	.9100	.6124	.9242	1.1140	33.9390	64.5737	12.6872	.1323	3.5957
1.00	2.3263	1.3781	1.12	.5135	1.9474	.9400	.6252	.9600	1.1522	33.6265	63.5780	12		

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..0000	2.3263	1.3781	1.12	.5135	1.9474	.5200	.0929	.4940	.5018	10.1295	86.8314	16.5927	.0970	4.1097
..0000	2.3263	1.3781	1.12	.5135	1.9474	.5500	.2179	.5250	.5647	21.6112	82.4693	16.2922	.0993	4.0703
..0000	2.3263	1.3781	1.12	.5135	1.9474	.5800	.2907	.5563	.6223	26.6242	79.8139	15.9918	.1016	4.0308
..0000	2.3263	1.3781	1.12	.5135	1.9474	.6100	.3461	.5880	.6761	29.5728	77.7045	15.6914	.1041	3.9913
..0000	2.3263	1.3781	1.12	.5135	1.9474	.6400	.3916	.6200	.7268	31.4588	75.8940	15.3910	.1066	3.9518
..0000	2.3263	1.3781	1.12	.5135	1.9474	.6700	.4302	.6523	.7752	32.7021	74.2785	15.0906	.1092	3.9123
..0000	2.3263	1.3781	1.12	.5135	1.9474	.7000	.4637	.6850	.8217	33.5200	72.8031	14.7901	.1118	3.8728
..0000	2.3263	1.3781	1.12	.5135	1.9474	.7300	.4931	.7180	.8665	34.0391	71.4342	14.4897	.1145	3.8332
..0000	2.3263	1.3781	1.12	.5135	1.9474	.7600	.5192	.7514	.9100	34.3390	70.1498	14.1893	.1173	3.7937
..0000	2.3263	1.3781	1.12	.5135	1.9474	.7900	.5424	.7852	.9525	34.4725	68.9345	13.8889	.1201	3.7541
..0000	2.3263	1.3781	1.12	.5135	1.9474	.8200	.5631	.8194	.9939	34.4763	67.7768	13.5884	.1231	3.7145
..0000	2.3263	1.3781	1.12	.5135	1.9474	.8500	.5815	.8539	1.0346	34.3766	66.6683	13.2880	.1261	3.6749
..0000	2.3263	1.3781	1.12	.5135	1.9474	.8800	.5979	.8888	1.0746	34.1927	65.6023	12.9876	.1291	3.6353
..0000	2.3263	1.3781	1.12	.5135	1.9474	.9100	.6124	.9242	1.1140	33.9390	64.5737	12.6872	.1323	3.5957
..0000	2.3263	1.3781	1.12	.5135	1.9474	.9400	.6252	.9600	1.1529	33.6265	63.5780	12.3867	.1355	3.5560
..0000	2.3263	1.3781	1.12	.5135	1.9474	.9700	.6363	.9962	1.1914	33.2638	62.6121	12.0863	.1388	3.5163
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.0000	.6459	1.0328	1.2295	32.8575	61.6729	11.7859	.1422	3.4766
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.0300	.6540	1.0700	1.2674	32.4129	60.7583	11.4855	.1457	3.4369
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.0600	.6607	1.1075	1.3051	31.9342	59.8662	11.1851	.1492	3.3971
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.0900	.6660	1.1456	1.3425	31.4247	58.9951	10.8846	.1528	3.3573
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.1200	.6700	1.1842	1.3799	30.8869	58.1438	10.5842	.1565	3.3174
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.1500	.6726	1.2233	1.4172	30.3229	57.3112	10.2838	.1602	3.2776
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.1800	.6740	1.2629	1.4544	29.7343	56.4966	9.9834	.1640	3.2377
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.2100	.6741	1.3031	1.4917	29.1223	55.6995	9.6829	.1679	3.1977
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.2400	.6729	1.3438	1.5290	28.4877	54.9196	9.3825	.1718	3.1577
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.2700	.6705	1.3852	1.5663	27.8311	54.1569	9.0821	.1757	3.1176
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.3000	.6668	1.4271	1.6038	27.1527	53.4117	8.7817	.1797	3.0775
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.3300	.6617	1.4697	1.6415	26.4526	52.6844	8.4812	.1837	3.0373
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.3600	.6554	1.5129	1.6794	25.7305	51.9759	8.1808	.1878	2.9971
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.3900	.6478	1.5567	1.7175	24.9860	51.2875	7.8804	.1918	2.9567
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.4200	.6387	1.6013	1.7559	24.2183	50.6209	7.5800	.1959	2.9163
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.4500	.6283	1.6466	1.7946	23.4264	49.9785	7.2796	.1999	2.8758
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.4800	.6163	1.6927	1.8336	22.6092	49.3632	6.9791	.2038	2.8351
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.5100	.6029	1.7396	1.8731	21.7650	48.7792	6.6787	.2077	2.7943
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.5400	.5878	1.7873	1.9131	20.8918	48.2316	6.3783	.2114	2.7534
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.5700	.5710	1.8358	1.9535	19.9873	47.7274	6.0779	.2150	2.7123
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.6000	.5524	1.8853	1.9945	19.0485	47.2757	5.7774	.2184	2.6711
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.6300	.5319	1.9358	2.0362	18.0720	46.8691	5.4770	.2216	2.6296
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.6600	.5092	1.9873	2.0786	17.0531	46.5844	5.1766	.2245	2.5878
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.6900	.4842	2.0398	2.1219	15.9865	46.3853	4.8762	.2271	2.5457
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.7200	.4565	2.0936	2.1660	14.8650	46.3260	4.5757	.2292	2.5033
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.7500	.4259	2.1486	2.2113	13.6794	46.4568	4.2753	.2308	2.4604
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.7800	.3919	2.2049	2.2577	12.4171	46.5560	3.9749	.2318	2.4169
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.8100	.3538	2.2628	2.3057	11.0603	47.6514	3.6745	.2321	2.3724
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.8400	.3106	2.3224	2.3553	9.5817	49.0676	3.3741	.2315	2.3279
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.8700	.2606	2.3840	2.4070	7.9338	51.5456	3.0736	.2299	2.2819
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.9000	.2003	2.4478	2.4614	6.0167	56.1136	2.7732	.2272	2.2344
..0000	2.3263	1.3781	1.12	.5135	1.9474	1.9300	.1180	2.5144	2.5191	3.4975	66.2564	2.4728	.2232	2.1851
..0000	2.3263	1.3781	1.16	.5466	1.8294	.5500	.0633	.5234	.5269	6.5685	87.7473	16.0955	.0956	4.3921
..0000	2.3263	1.3781	1.16	.5466	1.8294	.5800	.1968	.5546	.5856	18.7426	82.8997	15.7844	.0976	4.3512
..0000	2.3263	1.3781	1.16	.5466	1.8294	.6100	.2677	.5860	.6400	23.6960	80.2000	15.4732	.0997	4.3102
..0000	2.3263	1.3781	1.16	.5466	1.8294	.6400	.3207	.6178	.6910	26.6147	78.0859	15.1621	.1018	4.2692
..0000	2.3263	1.3781	1.16	.5466	1.8294	.6700	.3634	.6499	.7395	28.4914	76.2840	14.8509	.1040	4.2282
..0000	2.3263	1.3781	1.16	.5466	1.8294	.7000	.3998	.6823	.7858	29.7346	74.6839	14.5398	.1062	4.1872
..0000	2.3263	1.3781	1.16	.5466	1.8294	.7300	.4310	.7151	.8304	30.5556	73.2281	14.2286	.1085	4.1462
..0000	2.3263	1.3781	1.16	.5466	1.8294	.7600	.4581	.7482	.8735	31.0775	71.8821	13.9175	.1108	4.1052
..0000	2.3263	1.3781	1.16	.5466	1.8294	.7900	.4818	.7816	.9155	31.3784	70.6231	13.6063	.1131	4.0641
..0000	2.3263	1.3781	1.16	.5466	1.8294	.8200	.5027	.8154	.9565	31.5101	69.4357	13.2952	.1155	4.0230
..0000	2.3263	1.3781	1.16	.5466	1.8294	.8500	.5211	.8496	.9966	31.5089	68.3085	12.9840	.1179	3.9819
..0000	2.3263	1.3781	1.16	.5466	1.8294	.8800	.5372	.8842	1.0359	31.4008	67.2329	12.6729	.1204	3.9407
..0000	2.3263	1.3781	1.16	.5466	1.8294	.9100	.5512	.9191	1.0746	31.2050	66.2025	12.3617	.1229	3.8996
..0000	2.3263	1.3781	1.16	.5466	1.8294	.9400	.5634	.9545	1.1128	30.9357	65.2122	12.0506	.1255	3.8584
..0000	2.3263	1.3781	1.16	.5466	1.8294	.9700	.5737	.9903	1.1505	30.6041	64.2581	11.7394	.1281	3.8171
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.0000	.5824	1.0265	1.1879	30.2186	63.3370	11.4283	.1307	3.7759
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.0300	.5895	1.0631	1.2249	29.7858	62.4466	11.1171	.1333	3.7345
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.0600	.5951	1.1002	1.2617	29.3109	61.5848	10.8059	.1360	3.6932
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.0900	.5992	1.1377	1.2982	28.7979	60.7505	10.4948	.1387	3.6518
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.1200	.6018	1.1757	1.3347	28.2501	59.9425	10.1836	.1414	3.6104
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.1500	.6030	1.2142	1.3710	27.6698	59.1603	9.8725	.1441	3.5689
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.1800	.6028	1.2532	1.4072	27.0589	58.4039	9.5613	.1469	3.5273
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.2100	.6011	1.2927	1.4434	26.4187	57.6734	9.2502	.1496	3.4857
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.2400	.5981	1.3327	1.4796	25.7500	56.9697	8.9390	.1523	3.4440
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.2700	.5936	1.3733	1.5159	25.0533	56.2940	8.6279	.1550	3.4022
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.3000	.5878	1.4145	1.5523	24.3286	55.6479	8.3167	.1576	3.3604
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.3300	.5804	1.4562	1.5889	23.5756	55.0342	8.0056	.1602	3.3184
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.3600	.5715	1.4986	1.6256	22.7918	54.4559	7.6944	.1627	3.2764
..0000	2.3263	1.3781	1.16	.5466	1.8294	1.3900	.5611	1.5416	1.6625	21.9819	53.9175	7.3833	.1652</	

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2.3263	1.3781	1.16	.5466	1.8294	1.0900	.5992	1.1377	1.2982	28.7979	60.7505	10.4948	.1387	3.6514
2.3263	1.3781	1.16	.5466	1.8294	1.1200	.6018	1.1757	1.3347	28.2501	59.4425	10.1836	.1414	3.6104
2.3263	1.3781	1.16	.5466	1.8294	1.1500	.6030	1.2142	1.3710	27.6696	59.1603	9.8725	.1441	3.5649
2.3263	1.3781	1.16	.5466	1.8294	1.1800	.6028	1.2532	1.4072	27.0589	58.4039	9.5613	.1469	3.5273
2.3263	1.3781	1.16	.5466	1.8294	1.2100	.6011	1.2927	1.4434	26.4187	57.6734	9.2502	.1496	3.4857
2.3263	1.3781	1.16	.5466	1.8294	1.2400	.5981	1.3327	1.4796	25.7500	56.9697	8.9390	.1523	3.4440
2.3263	1.3781	1.16	.5466	1.8294	1.2700	.5936	1.3733	1.5159	25.0533	56.2940	8.6279	.1550	3.4022
2.3263	1.3781	1.16	.5466	1.8294	1.3000	.5878	1.4145	1.5523	24.3286	55.6479	8.3167	.1576	3.3604
2.3263	1.3781	1.16	.5466	1.8294	1.3300	.5804	1.4562	1.5889	23.5756	55.0342	8.0056	.1602	3.3184
2.3263	1.3781	1.16	.5466	1.8294	1.3600	.5715	1.4986	1.6256	22.7938	54.4559	7.6944	.1627	3.2764
2.3263	1.3781	1.16	.5466	1.8294	1.3900	.5611	1.5416	1.6625	21.9819	53.9175	7.3833	.1652	3.2342
2.3263	1.3781	1.16	.5466	1.8294	1.4200	.5490	1.5853	1.6997	21.1385	53.4248	7.0721	.1675	3.1919
2.3263	1.3781	1.16	.5466	1.8294	1.4500	.5353	1.6297	1.7372	20.2616	52.9850	6.7610	.1697	3.1494
2.3263	1.3781	1.16	.5466	1.8294	1.4800	.5197	1.6748	1.7750	19.3486	52.6080	6.4498	.1717	3.1068
2.3263	1.3781	1.16	.5466	1.8294	1.5100	.5022	1.7206	1.8133	18.3964	52.3068	6.1387	.1736	3.0639
2.3263	1.3781	1.16	.5466	1.8294	1.5400	.4826	1.7673	1.8520	17.4007	52.0988	5.8275	.1752	3.0208
2.3263	1.3781	1.16	.5466	1.8294	1.5700	.4608	1.8148	1.8913	16.3562	52.0082	5.5164	.1766	2.9774
2.3263	1.3781	1.16	.5466	1.8294	1.6000	.4364	1.8532	1.9313	15.2561	52.0684	5.2052	.1777	2.9337
2.3263	1.3781	1.16	.5466	1.8294	1.6300	.4092	1.9126	1.9719	14.0912	52.3283	4.8941	.1784	2.8894
2.3263	1.3781	1.16	.5466	1.8294	1.6600	.3786	1.9629	2.0134	12.8489	52.6611	4.5829	.1787	2.8451
2.3263	1.3781	1.16	.5466	1.8294	1.6900	.3442	2.0145	2.0558	11.5107	53.7822	4.2717	.1785	2.8000
2.3263	1.3781	1.16	.5466	1.8294	1.7200	.3048	2.0672	2.0994	10.0482	55.2868	3.9606	.1777	2.7542
2.3263	1.3781	1.16	.5466	1.8294	1.7500	.2588	2.1213	2.1443	8.4414	57.7375	3.6494	.1763	2.7076
2.3263	1.3781	1.16	.5466	1.8294	1.7800	.2026	2.1769	2.1910	6.4948	61.9263	3.3383	.1742	2.6598
2.3263	1.3781	1.16	.5466	1.8294	1.8100	.1254	2.2344	2.2397	3.9634	70.2838	3.0271	.1713	2.6107

2.3263	1.3781	1.20	.5837	1.7131	.5900	.0807	.5634	.5686	7.7898	86.9874	15.4697	.0945	4.6695
2.3263	1.3781	1.20	.5837	1.7131	.6200	.1916	.5947	.6225	17.1696	82.7397	15.1478	.0963	4.6271
2.3263	1.3781	1.20	.5837	1.7131	.6500	.2552	.6264	.6729	21.4331	80.1764	14.8259	.0981	4.5846
2.3263	1.3781	1.20	.5837	1.7131	.6800	.3029	.6583	.7207	24.0111	78.1497	14.5040	.0999	4.5421
2.3263	1.3781	1.20	.5837	1.7131	.7100	.3415	.6906	.7664	25.6886	76.4179	14.1821	.1018	4.4996
2.3263	1.3781	1.20	.5837	1.7131	.7400	.3738	.7232	.8103	26.8028	74.5802	13.8602	.1036	4.4570
2.3263	1.3781	1.20	.5837	1.7131	.7700	.4014	.7562	.8528	27.5332	73.1482	13.5384	.1055	4.4145
2.3263	1.3781	1.20	.5837	1.7131	.8000	.4251	.7895	.8940	27.9865	72.1940	13.2165	.1074	4.3719
2.3263	1.3781	1.20	.5837	1.7131	.8300	.4456	.8231	.9342	28.2316	70.9922	12.8946	.1094	4.3292
2.3263	1.3781	1.20	.5837	1.7131	.8600	.4634	.8571	.9735	28.3149	69.6630	12.5727	.1113	4.2866
2.3263	1.3781	1.20	.5837	1.7131	.8900	.4786	.8914	1.0121	28.2691	68.7959	12.2508	.1133	4.2439
2.3263	1.3781	1.20	.5837	1.7131	.9200	.4916	.9261	1.0501	28.1180	67.7832	11.9290	.1152	4.2011
2.3263	1.3781	1.20	.5837	1.7131	.9500	.5026	.9612	1.0875	27.8791	66.6191	11.6071	.1172	4.1584
2.3263	1.3781	1.20	.5837	1.7131	.9800	.5116	.9967	1.1244	27.5657	65.6995	11.2852	.1192	4.1155
2.3263	1.3781	1.20	.5837	1.7131	1.0100	.5188	1.0327	1.1609	27.1878	65.0210	10.9633	.1212	4.0727
2.3263	1.3781	1.20	.5837	1.7131	1.0400	.5243	1.0690	1.1971	26.7532	64.1817	10.6414	.1231	4.0297
2.3263	1.3781	1.20	.5837	1.7131	1.0700	.5281	1.1057	1.2331	26.2679	63.3799	10.3196	.1251	3.9868
2.3263	1.3781	1.20	.5837	1.7131	1.1000	.5303	1.1429	1.2688	25.7366	62.6150	9.9977	.1270	3.9437
2.3263	1.3781	1.20	.5837	1.7131	1.1300	.5308	1.1805	1.3043	25.1627	61.6870	9.6758	.1289	3.9006
2.3263	1.3781	1.20	.5837	1.7131	1.1600	.5298	1.2187	1.3398	24.5487	61.1967	9.3539	.1308	3.8574
2.3263	1.3781	1.20	.5837	1.7131	1.1900	.5272	1.2572	1.3751	23.8965	60.5453	9.0320	.1326	3.8141
2.3263	1.3781	1.20	.5837	1.7131	1.2200	.5231	1.2963	1.4105	23.2071	59.9353	8.7101	.1344	3.7708
2.3263	1.3781	1.20	.5837	1.7131	1.2500	.5173	1.3359	1.4458	22.4811	59.3699	8.3883	.1361	3.7273
2.3263	1.3781	1.20	.5837	1.7131	1.2800	.5098	1.3761	1.4812	21.7183	58.6534	8.0664	.1377	3.6837
2.3263	1.3781	1.20	.5837	1.7131	1.3100	.5007	1.4168	1.5167	20.9180	58.3917	7.7445	.1393	3.6400
2.3263	1.3781	1.20	.5837	1.7131	1.3400	.4898	1.4580	1.5524	20.0788	57.9926	7.4226	.1407	3.5961
2.3263	1.3781	1.20	.5837	1.7131	1.3700	.4770	1.4999	1.5882	19.1986	57.6662	7.1007	.1419	3.5521
2.3263	1.3781	1.20	.5837	1.7131	1.4000	.4623	1.5423	1.6243	18.2746	57.4261	6.7789	.1431	3.5078
2.3263	1.3781	1.20	.5837	1.7131	1.4300	.4455	1.5855	1.6606	17.3027	57.2902	6.4570	.1440	3.4634
2.3263	1.3781	1.20	.5837	1.7131	1.4600	.4263	1.6293	1.6973	16.2777	57.2832	6.1351	.1448	3.4187
2.3263	1.3781	1.20	.5837	1.7131	1.4900	.4046	1.6738	1.7344	15.1924	57.4392	5.8132	.1453	3.3737
2.3263	1.3781	1.20	.5837	1.7131	1.5200	.3800	1.7191	1.7720	14.0370	57.6071	5.4913	.1455	3.3283
2.3263	1.3781	1.20	.5837	1.7131	1.5500	.3521	1.7652	1.8102	12.7976	58.4593	5.1694	.1455	3.2826
2.3263	1.3781	1.20	.5837	1.7131	1.5800	.3201	1.8122	1.8490	11.4531	59.5090	4.8476	.1451	3.2363
2.3263	1.3781	1.20	.5837	1.7131	1.6100	.2830	1.8601	1.8886	9.9699	61.1448	4.5257	.1443	3.1895
2.3263	1.3781	1.20	.5837	1.7131	1.6400	.2389	1.9090	1.9292	8.2866	63.7159	4.2038	.1430	3.1420
2.3263	1.3781	1.20	.5837	1.7131	1.6700	.1833	1.9591	1.9709	6.2644	67.9954	3.8819	.1412	3.0935
2.3263	1.3781	1.20	.5837	1.7131	1.7000	.1006	2.0105	2.0140	3.3871	76.6396	3.5600	.1389	3.0440

2.3263	1.3781	1.24	.6265	1.5963	.6300	.0562	.6034	.6058	5.0992	87.7936	14.8152	.0930	4.9550
2.3263	1.3781	1.24	.6265	1.5963	.6600	.1702	.6350	.6558	14.4612	83.2079	14.4826	.0945	4.9111
2.3263	1.3781	1.24	.6265	1.5963	.6900	.2303	.6669	.7030	18.4552	80.6538	14.1499	.0960	4.8670
2.3263	1.3781	1.24	.6265	1.5963	.7200	.2744	.6990	.7481	20.8657	78.6648	13.8173	.0975	4.8230
2.3263	1.3781	1.24	.6265	1.5963	.7500	.3096	.7315	.7914	22.4323	76.9810	13.4847	.0990	4.7789
2.3263	1.3781	1.24	.6265	1.5963	.7800	.3386	.7643	.8332	23.4669	75.4975	13.1521	.1005	4.7349
2.3263	1.3781	1.24	.6265	1.5963	.8100	.3629	.7974	.8738	24.1349	74.1596	12.8195	.1021	4.6906
2.3263	1.3781	1.24	.6265	1.5963	.8400	.3834	.8309	.9133	24.5354	72.9351	12.4869	.1036	4.6464
2.3263	1.3781	1.24	.6265	1.5963	.8700	.4007	.8647	.9520	24.7322	71.8031	12.1543	.1051	4.6022
2.3263	1.3781	1.24	.6265	1.5963	.9000	.4153	.8988	.9899	24.7687	70.7496	11.8217	.1066	4.5579
2.3263	1.3781	1.24	.6265	1.5963	.9300	.4273	.9333	1.0271	24.6756	69.7648	11.4891	.1081	4.5136
2.3263	1.3781	1.24	.6265	1.5963	.9600	.4370	.9682	1.0638	24.4752	68.8421	11.1564	.1095	4.4692
2.3263	1.3781	1.24	.6265	1.5963	.9900	.4446	1.0035	1.1000	24.1838	67.9766	10.8238	.1110	4.4247
2.3263	1.3781	1.24	.6265	1.5963	1.0200	.4502	1.0391	1.1358	23.8136	67.1656	10.4912	.1124	4.3802
2.3263	1.3781	1.24	.6265	1.5963	1.0500	.4538	1.0752	1.1713	23.3741	66.4073	10.1586	.1137	4.3356

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0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.2300	.4369	1.3006	1.3802	19.5573	63.6415	8.4956	.1198	5.1112
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.2600	.4275	1.3398	1.4148	18.7428	62.7215	8.1629	.1207	5.0660
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.2900	.4161	1.3795	1.4495	17.8758	62.4958	7.8303	.1216	5.0206
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.3200	.4024	1.4198	1.4843	16.9532	62.3819	7.4977	.1223	5.0751
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.3500	.3863	1.4606	1.5193	15.9698	62.4034	7.1651	.1229	5.0293
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.3800	.3677	1.5021	1.5545	14.9186	62.5931	6.8325	.1233	5.8833
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.4100	.3460	1.5441	1.5899	13.7893	62.4979	6.4999	.1236	5.8371
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.4400	.3210	1.5868	1.6258	12.5665	63.6865	6.1673	.1236	5.7905
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.4700	.2918	1.6302	1.6620	11.2666	64.7657	5.8347	.1234	5.7436
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.5000	.2572	1.6744	1.6988	9.7300	66.4132	5.5021	.1230	5.6963
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.5300	.2151	1.7193	1.7362	8.0010	68.4609	5.1694	.1223	5.6485
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.5600	.1600	1.7651	1.7743	5.8559	73.1750	4.8368	.1212	5.6001
0.0000	2.3263	1.3781	1.24	.6265	1.5963	1.5900	.0667	1.8118	1.8134	2.4029	82.3856	4.5042	.1198	5.5509
												4.1716	.1180	5.5009
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.6800	.0409	.6542	.6554	3.4462	88.2957	14.0176	.0914	5.2334
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.7100	.1507	.6861	.7013	11.9797	83.6146	13.6743	.0926	5.1878
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.7400	.2049	.7182	.7452	15.4747	81.1528	13.3309	.0938	5.1422
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.7700	.2439	.7507	.7874	17.5783	79.2610	12.9876	.0950	5.0965
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.8000	.2744	.7834	.8283	18.9330	77.6773	12.6443	.0962	5.0508
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.8300	.2990	.8165	.8679	19.8082	76.2983	12.3009	.0973	5.0051
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.8600	.3189	.8499	.9055	20.3473	75.0710	11.9576	.0985	4.9593
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.8900	.3352	.8837	.9443	20.6366	73.9648	11.6142	.0996	4.9134
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.9200	.3482	.9178	.9813	20.7319	72.9606	11.2709	.1006	4.8675
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.9500	.3584	.9522	1.0177	20.6715	72.0664	10.9275	.1017	4.8215
0.0000	2.3263	1.3781	1.28	.6777	1.4756	.9800	.3661	.9870	1.0536	20.4821	71.2148	10.5842	.1027	4.7754
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.0100	.3713	1.0222	1.0891	20.1830	70.4616	10.2409	.1036	4.7292
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.0400	.3744	1.0577	1.1241	19.7882	69.7855	9.8975	.1045	4.6829
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.0700	.3749	1.0937	1.1588	19.3076	69.1874	9.5542	.1053	4.6366
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.1000	.3734	1.1300	1.1933	18.7485	68.6708	9.2108	.1061	4.5901
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.1300	.3697	1.1668	1.2276	18.1152	68.2416	8.8675	.1067	4.5435
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.1600	.3637	1.2040	1.2618	17.4102	67.9088	8.5242	.1073	4.4967
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.1900	.3555	1.2416	1.2958	16.6337	67.6851	8.1808	.1078	4.4498
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.2200	.3449	1.2797	1.3298	15.7839	67.5883	7.8375	.1081	4.4027
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.2500	.3316	1.3183	1.3638	14.8565	67.6430	7.4941	.1083	4.3554
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.2800	.3154	1.3573	1.3979	13.8436	67.8841	7.1508	.1084	4.3078
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.3100	.2960	1.3969	1.4321	12.7331	68.3618	6.8075	.1083	4.2600
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.3400	.2727	1.4370	1.4665	11.5049	69.1520	6.4641	.1080	4.2118
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.3700	.2447	1.4778	1.5011	10.1257	70.3759	6.1208	.1076	4.1634
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.4000	.2101	1.5191	1.5361	8.5339	72.2478	5.7774	.1069	4.1144
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.4300	.1653	1.5610	1.5714	6.5922	75.2161	5.4341	.1059	4.0649
0.0000	2.3263	1.3781	1.28	.6777	1.4756	1.4600	.0977	1.6037	1.6073	3.8266	80.6978	5.0908	.1047	4.0148
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.7500	.0567	.7267	.7288	4.3198	87.4554	12.9483	.0898	5.4870
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.7800	.1358	.7590	.7705	9.8797	83.7719	12.5942	.0907	5.4398
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.8100	.1788	.7917	.8108	12.4496	81.6260	12.2401	.0916	5.3925
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.8400	.2093	.8246	.8498	13.9884	79.9839	11.8860	.0924	5.3451
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.8700	.2321	.8579	.8879	14.9403	78.6336	11.5320	.0932	5.2976
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.9000	.2496	.8915	.9251	15.5001	77.4888	11.1779	.0939	5.2501
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.9300	.2627	.9254	.9616	15.7740	76.5065	10.8238	.0946	5.2025
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.9600	.2721	.9597	.9975	15.8266	75.6637	10.4698	.0952	5.1548
0.0000	2.3263	1.3781	1.32	.7441	1.3439	.9900	.2783	.9943	1.0328	15.6997	74.9485	10.1157	.0958	5.1070
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.0200	.2814	1.0243	1.0677	15.4212	74.3569	9.7616	.0963	5.0591
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.0500	.2815	1.0646	1.1022	15.0096	73.8907	9.4076	.0967	5.0110
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.0800	.2788	1.1003	1.1364	14.4763	73.5576	9.0535	.0970	4.9628
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.1100	.2732	1.1365	1.1704	13.8274	73.3718	8.6994	.0973	4.9144
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.1400	.2645	1.1730	1.2041	13.0635	73.3554	8.3453	.0974	4.8659
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.1700	.2525	1.2049	1.2378	12.1796	73.5418	7.9913	.0975	4.8171
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.2000	.2368	1.2473	1.2714	11.1627	73.9817	7.6372	.0974	4.7641
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.2300	.2166	1.2851	1.3049	9.9877	74.7552	7.2831	.0971	4.7149
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.2600	.1907	1.3235	1.3385	8.6066	75.9987	6.9291	.0967	4.6673
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.2900	.1565	1.3623	1.3723	6.9154	77.9798	6.5750	.0962	4.6194
0.0000	2.3263	1.3781	1.32	.7441	1.3439	1.3200	.1064	1.4016	1.4062	4.6103	81.4118	6.2209	.0954	4.5690
0.0000	2.3263	1.3781	1.36	.8496	1.1770	.8500	.0102	.8328	.8329	.6857	89.4909	11.4640	.0876	5.6959
0.0000	2.3263	1.3781	1.36	.8496	1.1770	.8800	.0900	.8660	.8705	5.8415	85.3829	11.0992	.0881	5.6468
0.0000	2.3263	1.3781	1.36	.8496	1.1770	.9100	.1201	.8994	.9072	7.5211	83.6801	10.7344	.0885	5.5975
0.0000	2.3263	1.3781	1.36	.8496	1.1770	.9400	.1382	.9332	.9432	9.3649	82.5347	10.3696	.0888	5.5482
0.0000	2.3263	1.3781	1.36	.8496	1.1770	.9700	.1488	.9673	.9786	8.7190	81.7407	10.0043	.0891	5.4987
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.0000	.1534	1.0018	1.0135	8.7204	81.2348	9.6400	.0893	5.4491
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.0300	.1527	1.0366	1.0479	8.4330	81.0062	9.2547	.0894	5.3993
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.0600	.1467	1.0717	1.0819	7.8803	81.0803	8.9104	.0894	5.3493
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.0900	.1348	1.1073	1.1157	7.0511	81.5249	8.5456	.0893	5.2992
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.1200	.1153	1.1432	1.1492	5.8798	82.4889	8.1403	.0891	5.2484
0.0000	2.3263	1.3781	1.36	.8496	1.1770	1.1500	.0833	1.1795	1.1826	4.1447	84.3664	7.6160	.0888	5.1982

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
5.0	2	1	1	.4065	2	.4100	.0834	.3868	.3947	11.4922	87.6718	28.0838	.0363	.4415
5.0	2	1	1	.4065	2	.4600	.3204	.4380	.5338	34.8611	80.6985	27.4233	.0384	.5553
5.0	2	1	1	.4065	2	.5100	.4398	.4903	.6474	40.7726	77.2918	26.7628	.0407	.4620
5.0	2	1	1	.4065	2	.5600	.5284	.5436	.7474	43.3550	74.4611	26.1023	.0432	.3827
5.0	2	1	1	.4065	2	.6100	.5999	.5981	.8389	44.5236	72.0345	25.4417	.0459	.2965
5.0	2	1	1	.4065	2	.6600	.6601	.6537	.9246	45.0033	69.6638	24.7812	.0488	.2102
5.0	2	1	1	.4065	2	.7100	.7117	.7106	1.0061	45.0675	67.6723	24.1207	.0520	.1259
5.0	2	1	1	.4065	2	.7600	.7565	.7687	1.0846	44.8673	66.0139	23.4602	.0554	.0376
5.0	2	1	1	.4065	2	.8100	.7957	.8282	1.1609	44.4885	64.2585	22.7997	.0592	.3951
5.0	2	1	1	.4065	2	.8600	.8300	.8890	1.2356	43.9831	62.5850	22.1392	.0632	.3864
5.0	2	1	1	.4065	2	.9100	.8601	.9514	1.3091	43.3847	60.9777	21.4787	.0676	.3778
5.0	2	1	1	.4065	2	.9600	.8863	1.0154	1.3820	42.7154	59.4249	20.8182	.0725	.3692
5.0	2	1	1	.4065	2	1.0100	.9091	1.0810	1.4544	41.9906	57.9172	20.1576	.0778	.3605
5.0	2	1	1	.4065	2	1.0600	.9286	1.1483	1.5267	41.2209	56.4470	19.4971	.0835	.3519
5.0	2	1	1	.4065	2	1.1100	.9451	1.2175	1.5991	40.4138	55.0081	18.8366	.0899	.3432
5.0	2	1	1	.4065	2	1.1600	.9588	1.2887	1.6719	39.5747	53.5950	18.1761	.0969	.3346
5.0	2	1	1	.4065	2	1.2100	.9697	1.3619	1.7453	38.7075	52.2031	17.5156	.1045	.3260
5.0	2	1	1	.4065	2	1.2600	.9779	1.4374	1.8195	37.8147	50.8285	16.8551	.1130	.3173
5.0	2	1	1	.4065	2	1.3100	.9835	1.5152	1.8947	36.8981	49.4673	16.1946	.1224	.3087
5.0	2	1	1	.4065	2	1.3600	.9866	1.5955	1.9712	35.9586	48.1163	15.5341	.1328	.3001
5.0	2	1	1	.4065	2	1.4100	.9872	1.6786	2.0491	34.9968	46.7721	14.8735	.1443	.2914
5.0	2	1	1	.4065	2	1.4600	.9852	1.7645	2.1287	34.0124	45.4319	14.2130	.1572	.2827
5.0	2	1	1	.4065	2	1.5100	.9808	1.8535	2.2102	33.0050	44.0926	13.5525	.1715	.2741
5.0	2	1	1	.4065	2	1.5600	.9738	1.9459	2.2939	31.9736	42.7514	12.8920	.1875	.2654
5.0	2	1	1	.4065	2	1.6100	.9642	2.0419	2.3800	30.9166	41.4051	12.2315	.2054	.2568
5.0	2	1	1	.4065	2	1.6600	.9519	2.1417	2.4689	29.8324	40.0509	11.5710	.2255	.2481
5.0	2	1	1	.4065	2	1.7100	.9369	2.2459	2.5609	28.7183	38.6853	10.9105	.2481	.2394
5.0	2	1	1	.4065	2	1.7600	.9190	2.3547	2.6563	27.5715	37.3050	10.2499	.2736	.2307
5.0	2	1	1	.4065	2	1.8100	.8980	2.4686	2.7557	26.3882	35.9041	9.5894	.3023	.2226
5.0	2	1	1	.4065	2	1.8600	.8738	2.5880	2.8594	25.1639	34.4844	8.9289	.3348	.2135
5.0	2	1	1	.4065	2	1.9100	.8461	2.7137	2.9680	23.8930	33.0350	8.2684	.3715	.2046
5.0	2	1	1	.4065	2	1.9600	.8146	2.8462	3.0822	22.5684	31.5523	7.6079	.4131	.1958
5.0	2	1	1	.4065	2	2.0100	.7789	2.9864	3.2028	21.1810	30.0295	6.9474	.4600	.1871
5.0	2	1	1	.4065	2	2.0600	.7384	3.1353	3.3307	19.7193	28.4586	6.2869	.5130	.1783
5.0	2	1	1	.4065	2	2.1100	.6924	3.2942	3.4670	18.1678	26.8293	5.6264	.5723	.1694
5.0	2	1	1	.4065	2	2.1600	.6400	3.4645	3.6134	16.5055	25.1287	4.9658	.6382	.1605
5.0	2	1	1	.4065	2	2.2100	.5799	3.6483	3.7718	14.7023	23.3395	4.3053	.7103	.1516
5.0	2	1	1	.4065	2	2.2600	.5099	3.8484	3.9452	12.7137	21.4380	3.6448	.7868	.1424
5.0	2	1	1	.4065	2	2.3100	.4268	4.0692	4.1381	10.4680	19.3893	2.9843	.8642	.1331
5.0	2	1	1	.4065	2	2.3600	.3250	4.3180	4.3587	7.8398	17.1389	2.3238	.9348	.1238
5.0	2	1	1	.4065	2	2.4100	.1929	4.6108	4.6255	4.5756	14.5919	1.6633	.9852	.1145
5.0	2	1	1	.4065	2	2.4600	.0010	4.9980	4.9980	.0239	11.5513	1.0028	1.0000	.1056
5.0	2	1	1	.4546	2	.4600	.0949	.4353	.4444	11.6535	87.1525	26.9371	.0357	.5381
5.0	2	1	1	.4546	2	.5100	.2993	.4868	.5645	30.4090	80.6451	26.2238	.0375	.5194
5.0	2	1	1	.4546	2	.5600	.4065	.5393	.6664	35.9727	77.3255	25.5104	.0394	.5101
5.0	2	1	1	.4546	2	.6100	.4856	.5928	.7577	38.5240	74.5521	24.7971	.0415	.5007
5.0	2	1	1	.4546	2	.6600	.5491	.6474	.8421	39.7587	72.1721	24.0837	.0436	.4914
5.0	2	1	1	.4546	2	.7100	.6018	.7030	.9215	40.2852	70.0432	23.3704	.0459	.4821
5.0	2	1	1	.4546	2	.7600	.6464	.7597	.9974	40.3837	68.0911	22.6570	.0484	.4727
5.0	2	1	1	.4546	2	.8100	.6846	.8177	1.0706	40.2022	66.2713	21.9437	.0510	.4634
5.0	2	1	1	.4546	2	.8600	.7172	.8769	1.1418	39.8267	64.5545	21.2303	.0538	.4540
5.0	2	1	1	.4546	2	.9100	.7451	.9373	1.2115	39.3106	62.9203	20.5170	.0568	.4446
5.0	2	1	1	.4546	2	.9600	.7688	.9992	1.2801	38.6883	61.3537	19.8036	.0600	.4353
5.0	2	1	1	.4546	2	1.0100	.7886	1.0625	1.3480	37.9830	59.8434	19.0903	.0634	.4260
5.0	2	1	1	.4546	2	1.0600	.8049	1.1272	1.4154	37.2105	58.3806	18.3769	.0670	.4167
5.0	2	1	1	.4546	2	1.1100	.8178	1.1936	1.4826	36.3820	56.9584	17.6635	.0710	.4074
5.0	2	1	1	.4546	2	1.1600	.8276	1.2616	1.5498	35.5052	55.5711	16.9502	.0751	.3981
5.0	2	1	1	.4546	2	1.2100	.8343	1.3314	1.6172	34.5854	54.2140	16.2368	.0796	.3888
5.0	2	1	1	.4546	2	1.2600	.8380	1.4030	1.6850	33.6263	52.8445	15.5234	.0845	.3795

[illegible]

5.00	2.4602	1.3333	1.16	.5098	1.9614	.5100	.0155	.4839	.4841	1.7375	89.5005	25.6848	.0349	6.1746
5.00	2.4602	1.3333	1.16	.5098	1.9614	.5600	.2591	.5357	.5902	24.8303	81.4537	24.9186	.0363	6.0742
5.00	2.4602	1.3333	1.16	.5098	1.9614	.6100	.3593	.5884	.6829	30.4968	77.6888	24.1524	.0378	5.9733
5.00	2.4602	1.3333	1.16	.5098	1.9614	.6600	.4313	.6420	.7670	33.1659	75.1279	23.3862	.0394	5.8738
5.00	2.4602	1.3333	1.16	.5098	1.9614	.7100	.4879	.6967	.8453	34.4969	72.7801	22.6200	.0411	5.7729
5.00	2.4602	1.3333	1.16	.5098	1.9614	.7600	.5340	.7523	.9194	35.0911	70.6941	21.8538	.0428	5.6724
5.00	2.4602	1.3333	1.16	.5098	1.9614	.8100	.5720	.8090	.9904	35.2301	68.7930	21.0876	.0447	5.5718
5.00	2.4602	1.3333	1.16	.5098	1.9614	.8600	.6036	.8668	1.0590	35.0652	67.0314	20.3214	.0466	5.4712
5.00	2.4602	1.3333	1.16	.5098	1.9614	.9100	.6298	.9257	1.1258	34.6850	65.3800	19.5553	.0486	5.3706
5.00	2.4602	1.3333	1.16	.5098	1.9614	.9600	.6511	.9859	1.1912	34.1449	63.6190	18.7891	.0507	5.2699
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.0100	.6680	1.0473	1.2556	33.4810	62.3343	18.0229	.0528	5.1691
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.0600	.6810	1.1100	1.3193	32.7173	60.9160	17.2567	.0551	5.0683
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.1100	.6901	1.1741	1.3826	31.8703	59.5569	16.4905	.0575	4.9674
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.1600	.6956	1.2397	1.4455	30.9510	58.2521	15.7243	.0599	4.8663
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.2100	.6977	1.3068	1.5084	29.9667	56.9988	14.9581	.0624	4.7652
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.2600	.6962	1.3755	1.5715	28.9219	55.7959	14.1919	.0650	4.6640
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.3100	.6912	1.4458	1.6348	27.8187	54.6442	13.4257	.0676	4.5626
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.3600	.6827	1.5180	1.6986	26.6575	53.5466	12.6595	.0703	4.4610
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.4100	.6706	1.5921	1.7630	25.4365	52.5089	11.8933	.0730	4.3592
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.4600	.6547	1.6682	1.8282	24.1523	51.5404	11.1271	.0757	4.2572
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.5100	.6347	1.7464	1.8945	22.7993	50.6553	10.3609	.0783	4.1548
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.5600	.6104	1.8270	1.9619	21.3694	49.8758	9.5947	.0808	4.0521
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.6100	.5813	1.9100	2.0307	19.8512	49.2357	8.8285	.0831	3.9491
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.6600	.5467	1.9958	2.1012	18.2285	48.7892	8.0623	.0852	3.8451
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.7100	.5058	2.0844	2.1737	16.4780	48.6256	7.2961	.0869	3.7405
5.00	2.4602	1.3333	1.16	.5098	1.9614	1.7600	.4573	2.1763	2.2486					

5.00	2.4602	1.4333	1.24	.5761	1.7357	.5800	.0652	.5533	.5568	6.4182	87.7069	23.9992	.0342	6.9791
5.00	2.4602	1.4333	1.24	.5761	1.7357	.6300	.2381	.6057	.6475	20.6998	81.4283	23.1801	.0353	6.8715
5.00	2.4602	1.4333	1.24	.5761	1.7357	.6800	.3227	.6589	.7294	25.3875	78.6848	22.3611	.0364	6.7639
5.00	2.4602	1.4333	1.24	.5761	1.7357	.7300	.3830	.7131	.8052	27.6826	75.4857	21.5421	.0376	6.6562
5.00	2.4602	1.4333	1.24	.5761	1.7357	.7800	.4293	.7681	.8768	28.8260	73.2835	20.7230	.0389	6.5485
5.00	2.4602	1.4333	1.24	.5761	1.7357	.8300	.4658	.8242	.9451	29.3004	71.3409	19.9040	.0401	6.4408
5.00	2.4602	1.4333	1.24	.5761	1.7357	.8800	.4947	.8813	1.0110	29.3426	69.5880	19.0850	.0414	6.3332
5.00	2.4602	1.4333	1.24	.5761	1.7357	.9300	.5173	.9394	1.0749	29.0840	67.9844	18.2659	.0427	6.2257
5.00	2.4602	1.4333	1.24	.5761	1.7357	.9800	.5344	.9986	1.1374	28.6035	66.5055	17.4469	.0440	6.1180
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.0300	.5465	1.0590	1.1988	27.9507	65.1362	16.6279	.0453	6.0094
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.0800	.5540	1.1205	1.2593	27.1576	63.8682	15.8088	.0466	5.9000
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.1300	.5571	1.1833	1.3193	26.2450	62.6981	14.9898	.0479	5.7915
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.1800	.5559	1.2474	1.3790	25.2259	61.6277	14.1708	.0491	5.6827
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.2300	.5504	1.3130	1.4384	24.1074	60.6636	13.3517	.0503	5.5738
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.2800	.5405	1.3799	1.4979	22.8919	59.8187	12.5327	.0515	5.4645
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.3300	.5260	1.4484	1.5576	21.5775	59.1140	11.7136	.0525	5.3549
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.3800	.5066	1.5186	1.6176	20.1574	58.5825	10.8946	.0535	5.2444
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.4300	.4818	1.5904	1.6783	18.6193	58.2756	10.0756	.0542	5.1344
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.4800	.4509	1.6641	1.7396	16.9431	58.4757	9.2565	.0548	5.0233
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.5300	.4127	1.7349	1.8020	15.0957	58.7209	8.4375	.0550	4.9113
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.5800	.3654	1.8178	1.8657	13.0209	59.6614	7.6185	.0550	4.7921
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.6300	.3053	1.8981	1.9311	10.6095	62.2094	6.7994	.0545	4.6807
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.6800	.2239	1.9811	1.9986	7.5900	67.1761	5.9804	.0534	4.5671
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.7300	.0712	2.0673	2.0693	3.3802	71.6561	5.1614	.0518	4.4511

3

5.00	2.4602	1.4333	1.16	.5098	1.9614	1.6100	.5813	1.9100	2.0307	19.8512	49.2357	8.8285	.0851	3.9459
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.6600	.5467	1.9958	2.1012	18.2285	48.7892	8.0623	.0852	3.8451
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.7100	.5058	2.0844	2.1737	16.4780	48.6256	7.2961	.0869	3.7405
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.7600	.4573	2.1763	2.2486	14.5643	48.4035	6.5299	.0881	3.6349
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.8100	.3989	2.2719	2.3264	12.4294	49.4301	5.7637	.0885	3.5277
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.8600	.3268	2.3717	2.4080	9.9641	52.3955	4.9976	.0879	3.4144
5.00	2.4602	1.4333	1.16	.5098	1.9614	1.9100	.2310	2.4766	2.4946	6.8963	58.3143	4.2314	.0861	3.3057
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.9600	.0379	2.5880	2.5885	1.1088	83.3268	3.4652	.0825	3.1877
5.0	2.4602	1.4333	1.24	.5761	1.7357	.5800	.0652	.5533	.5568	6.4182	87.7069	23.9992	.0342	6.9791
5.00	2.4602	1.4333	1.24	.5761	1.7357	.6300	.2381	.6057	.6475	20.6998	81.4283	23.1801	.0353	6.8715
5.00	2.4602	1.4333	1.24	.5761	1.7357	.6800	.3227	.6589	.7294	25.3875	78.0848	22.3611	.0364	6.7659
5.00	2.4602	1.4333	1.24	.5761	1.7357	.7300	.3850	.7131	.8052	27.6826	75.4857	21.5421	.0376	6.6562
5.00	2.4602	1.4333	1.24	.5761	1.7357	.7800	.4293	.7681	.8768	28.8260	73.2835	20.7230	.0389	6.5485
5.00	2.4602	1.4333	1.24	.5761	1.7357	.8300	.4658	.8242	.9451	29.3004	71.3409	19.9040	.0401	6.4406
5.00	2.4602	1.4333	1.24	.5761	1.7357	.8800	.4947	.8813	1.0110	29.3426	69.5880	19.0850	.0414	6.3327
5.00	2.4602	1.4333	1.24	.5761	1.7357	.9300	.5173	.9394	1.0749	29.0840	67.9844	18.2659	.0427	6.2247
5.00	2.4602	1.4333	1.24	.5761	1.7357	.9800	.5344	.9986	1.1374	28.6035	66.5055	17.4469	.0440	6.1166
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.0300	.5465	1.0590	1.1988	27.9507	65.1362	16.6279	.0453	6.0084
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.0800	.5540	1.1205	1.2593	27.1576	63.8682	15.8088	.0466	5.9000
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.1300	.5571	1.1833	1.3193	26.2450	62.6981	14.9898	.0479	5.7915
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.1800	.5559	1.2474	1.3790	25.2259	61.6277	14.1708	.0491	5.6827
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.2300	.5504	1.3130	1.4384	24.1074	60.6636	13.3517	.0503	5.5738
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.2800	.5405	1.3799	1.4979	22.8919	59.8187	12.5327	.0515	5.4645
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.3300	.5260	1.4484	1.5576	21.5775	59.1140	11.7136	.0525	5.3549
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.3800	.5066	1.5186	1.6176	20.1574	58.5825	10.8946	.0535	5.2444
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.4300	.4818	1.5904	1.6783	18.6193	58.2756	10.0756	.0542	5.1344
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.4800	.4509	1.6641	1.7396	16.9431	58.2757	9.2565	.0548	5.0233
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.5300	.4127	1.7399	1.8020	15.0957	58.7208	8.4375	.0550	4.9113
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.5800	.3654	1.8178	1.8657	13.0209	59.6614	7.6185	.0550	4.7952
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.6300	.3053	1.8981	1.9311	10.6095	62.2094	6.7994	.0545	4.6837
5.00	2.4602	1.4333	1.24	.5761	1.7357	1.6800	.2239	1.9811	1.9986	7.5900	67.6761	5.9804	.0534	4.5671
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.7300	.0719	2.0673	2.0691	2.3809	81.4656	5.1614	.0518	4.4475
5.0	2.4602	1.4333	1.32	.6627	1.5091	.6700	.0764	.6442	.6434	6.5068	87.6269	21.8168	.0332	7.7855
5.00	2.4602	1.4333	1.32	.6627	1.5091	.7200	.2069	.6974	.7256	16.0342	81.7170	20.9450	.0340	7.6705
5.00	2.4602	1.4333	1.32	.6627	1.5091	.7700	.2737	.7515	.7976	19.5655	78.7144	20.0731	.0348	7.5555
5.00	2.4602	1.4333	1.32	.6627	1.5091	.8200	.3195	.8065	.8655	21.2872	76.4071	19.2012	.0356	7.4403
5.00	2.4602	1.4333	1.32	.6627	1.5091	.8700	.3527	.8624	.9305	22.0670	74.4953	18.3293	.0364	7.3250
5.00	2.4602	1.4333	1.32	.6627	1.5091	.9200	.3766	.9192	.9932	22.2629	72.6618	17.4575	.0371	7.2076
5.00	2.4602	1.4333	1.32	.6627	1.5091	.9700	.3930	.9770	1.0542	22.0570	71.4515	16.5856	.0378	7.0959
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.0200	.4029	1.0359	1.1137	21.5519	70.2385	15.7137	.0385	6.9781
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.0700	.4066	1.0958	1.1723	20.8080	69.2158	14.8418	.0391	6.8620
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.1200	.4046	1.1569	1.2300	19.8604	68.3911	13.9700	.0395	6.7456
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.1700	.3966	1.2191	1.2873	18.7269	67.7879	13.0981	.0401	6.6288
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.2200	.3826	1.2826	1.3442	17.4109	67.4496	12.2262	.0404	6.5116
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.2700	.3618	1.3474	1.4010	15.9014	67.4505	11.3543	.0406	6.3959
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.3200	.3332	1.4136	1.4579	14.1681	67.9169	10.4824	.0406	6.2756
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.3700	.2949	1.4813	1.5152	12.1468	69.6788	9.6106	.0405	6.1564
5.00	2.4602	1.4333	1.32	.6627	1.5091	1.4200	.2426	1.5505	1.5730	9.6951	71.4113	8.7387	.0401	6.0361
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.4700	.1646	1.6216	1.6317	6.3874	76.2271	7.8668	.0394	5.9144
5.0	2.4602	1.4333	1.40	.8043	1.2433	.8100	.0483	.7900	.7914	3.4092	87.6229	18.5196	.0319	8.5104
5.00	2.4602	1.4333	1.40	.8043	1.2433	.8600	.1414	.8449	.8562	9.3378	83.3842	17.5949	.0323	8.3876
5.00	2.4602	1.4333	1.40	.8043	1.2433	.9100	.1813	.9007	.9184	11.2676	81.1861	16.6701	.0326	8.2645
5.00	2.4602	1.4333	1.40	.8043	1.2433	.9600	.2024	.9573	.9784	11.9077	79.7479	15.7454	.0329	8.1411
5.00	2.4602	1.4333	1.40	.8043	1.2433	1.0100	.2107	1.0149	1.0368	11.7811	78.6550	14.8207	.0331	8.0174
5.00	2.4602	1.4333	1.40	.8043	1.2433	1.0600	.2076	1.0735	1.0939	11.0822	78.4864	13.8960	.0332	7.8952
5.00	2.4602	1.4333	1.40	.8043	1.2433	1.1100	.1930	1.1331	1.1501	9.8637	78.7384	12.9713	.0332	7.7686
5.00	2.4602	1.4333	1.40	.8043	1.2433	1.1600	.1640	1.1938	1.2057	8.0471	79.6846	12.0465	.0331	7.6443
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.2100	.1103	1.2557	1.2609	5.2095	82.7671	11.1218	.0328	7.5173

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.5

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
8.00	2.6350	1.5073	1.00	.3795	2.6350	.3800	.0332	.3578	.3591	5.0006	89.1553	72.2017	.0028	10.3988
8.00	2.6350	1.5073	1.00	.3795	2.6350	.4300	.3310	.4089	.5160	37.5892	81.4627	70.6229	.0030	10.1929
8.00	2.6350	1.5073	1.00	.3795	2.6350	.4800	.4616	.4611	.6397	43.8780	77.9112	69.0442	.0032	9.9869
8.00	2.6350	1.5073	1.00	.3795	2.6350	.5300	.5581	.5145	.7472	46.4807	75.1504	67.4655	.0034	9.7809
8.00	2.6350	1.5073	1.00	.3795	2.6350	.5800	.6364	.5691	.8448	47.6536	72.7940	65.8868	.0037	9.5750
8.00	2.6350	1.5073	1.00	.3795	2.6350	.6300	.7025	.6249	.9359	48.1126	70.6923	64.3080	.0040	9.3670
8.00	2.6350	1.5073	1.00	.3795	2.6350	.6800	.7596	.6820	1.0225	48.1630	68.7683	62.7293	.0043	9.1630
8.00	2.6350	1.5073	1.00	.3795	2.6350	.7300	.8096	.7405	1.1058	47.9584	66.9765	61.1506	.0046	8.9571
8.00	2.6350	1.5073	1.00	.3795	2.6350	.7800	.8537	.8005	1.1868	47.5843	65.2868	59.5718	.0049	8.7511
8.00	2.6350	1.5073	1.00	.3795	2.6350	.8300	.8929	.8620	1.2662	47.0923	63.6786	57.9931	.0053	8.5451
8.00	2.6350	1.5073	1.00	.3795	2.6350	.8800	.9278	.9252	1.3444	46.5149	62.1366	56.4144	.0058	8.3391
8.00	2.6350	1.5073	1.00	.3795	2.6350	.9300	.9588	.9901	1.4220	45.8738	60.6492	54.8357	.0062	8.1331
8.00	2.6350	1.5073	1.00	.3795	2.6350	.9800	.9863	1.0567	1.4993	45.1838	59.2075	53.2569	.0068	7.9271
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.0300	1.0106	1.1254	1.5766	44.4550	57.8040	51.6782	.0074	7.7211
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.0800	1.0319	1.1961	1.6543	43.6948	56.4327	50.0995	.0080	7.5151
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.1300	1.0504	1.2690	1.7325	42.9084	55.0886	48.5207	.0088	7.3091
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.1800	1.0662	1.3442	1.8116	42.0997	53.7673	46.9420	.0096	7.1031
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.2300	1.0795	1.4219	1.8919	41.2711	52.4650	45.3633	.0105	6.8971
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.2800	1.0903	1.5023	1.9735	40.4247	51.1783	43.7846	.0116	6.6911
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.3300	1.0988	1.5856	2.0567	39.5618	49.9042	42.2058	.0128	6.4851
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.3800	1.1049	1.6720	2.1419	38.6829	48.6398	40.6271	.0142	6.2790
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.4300	1.1088	1.7617	2.2293	37.7886	47.3825	39.0484	.0157	6.0730
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.4800	1.1104	1.8551	2.3191	36.8788	46.1298	37.4696	.0175	5.8669
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.5300	1.1097	1.9523	2.4118	35.9532	44.8792	35.8909	.0196	5.6609
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.5800	1.1068	2.0539	2.5077	35.0114	43.6284	34.3122	.0220	5.4548
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.6300	1.1016	2.1601	2.6071	34.0524	42.3750	32.7335	.0248	5.2487
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.6800	1.0941	2.2714	2.7106	33.0751	41.1165	31.1547	.0281	5.0425
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.7300	1.0843	2.3883	2.8186	32.0783	39.8504	29.5760	.0320	4.8364
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.7800	1.0721	2.5114	2.9318	31.0601	38.5741	27.9973	.0365	4.6302
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.8300	1.0573	2.6415	3.0507	30.0187	37.2846	26.4185	.0420	4.4241
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.8800	1.0400	2.7792	3.1761	28.9514	35.9789	24.8398	.0486	4.2178
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.9300	1.0200	2.9255	3.3089	27.8555	34.6536	23.2611	.0565	4.0116
8.00	2.6350	1.5073	1.00	.3795	2.6350	1.9800	.9970	3.0816	3.4502	26.7273	33.3046	21.6824	.0662	3.8052
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.0300	.9710	3.2488	3.6013	25.5627	31.9275	20.1036	.0782	3.5949
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.0800	.9416	3.4286	3.7635	24.3563	30.5171	18.5249	.0931	3.3924
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.1300	.9086	3.6230	3.9389	23.1016	29.0672	16.9462	.1118	3.1884
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.1800	.8715	3.8345	4.1296	21.7903	27.5700	15.3675	.1356	2.9772
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.2300	.8298	4.0662	4.3386	20.4116	26.0162	13.7887	.1662	2.7723
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.2800	.7829	4.3219	4.5696	18.9513	24.3936	12.2100	.2060	2.5652
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.3300	.7297	4.6069	4.8276	17.3894	22.6860	10.6313	.2585	2.3578
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.3800	.6689	4.9281	5.1191	15.6974	20.8713	9.0525	.3284	2.1498
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.4300	.5983	5.2954	5.4536	13.8311	18.9172	7.4738	.4221	1.9410
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.4800	.5143	5.7234	5.8452	11.7169	16.7737	5.8951	.5474	1.7306
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.5300	.4104	6.2360	6.3176	9.2145	14.3544	4.3164	.7090	1.5172
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.5800	.2709	6.8822	6.9200	5.9933	11.4846	2.7376	.8920	1.2954
8.00	2.6350	1.5073	1.00	.3795	2.6350	2.6300	.0374	7.8497	7.8505	.8139	7.6717	1.1589	.9996	1.0347
8.00	2.6350	1.5073	1.08	.4221	2.3691	.4300	.1228	.4063	.4226	15.9397	86.6619	69.5368	.0028	12.0413
8.00	2.6350	1.5073	1.08	.4221	2.3691	.4800	.3280	.4578	.5545	34.3448	80.9344	67.8317	.0030	11.8148
8.00	2.6350	1.5073	1.08	.4221	2.3691	.5300	.4417	.5103	.6643	39.8056	77.5805	66.1267	.0031	11.5963
8.00	2.6350	1.5073	1.08	.4221	2.3691	.5800	.5268	.5639	.7618	42.2507	74.9219	64.4217	.0033	11.3757
8.00	2.6350	1.5073	1.08	.4221	2.3691	.6300	.5959	.6186	.8515	43.4058	72.6352	62.7167	.0035	11.1511
8.00	2.6350	1.5073	1.08	.4221	2.3691	.6800	.6539	.6745	.9357	43.8791	70.5875	61.0116	.0038	10.9286
8.00	2.6350	1.5073	1.08	.4221	2.3691	.7300	.7036	.7315	1.0160	43.9465	68.7089	59.3066	.0040	10.7060
8.00	2.6350	1.5073	1.08	.4221	2.3691	.7800	.7467	.7899	1.0935	43.7522	66.9571	57.6016	.0042	10.4834
8.00	2.6350	1.5073	1.08	.4221	2.3691	.8300	.7843	.8496	1.1689	43.3792	65.3042	55.8966	.0045	10.2608
8.00	2.6350	1.5073	1.08	.4221	2.3691	.8800	.8171	.9107	1.2428	42.8784	63.7507	54.1915	.0048	10.0382
8.00	2.6350	1.5073	1.08	.4221	2.3691	.9300	.8457	.9733	1.3156	42.2827	62.2222	52.4865	.0051	9.8156
8.00	2.6350	1.5073	1.08	.4221	2.3691	.9800	.8705	1.0375	1.3877	41.6142	60.7679	50.7815	.0055	9.5929
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.0300	.8918	1.1033	1.4594	40.8880	59.3592	49.0765	.0059	9.3703
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.0800	.9099	1.1708	1.5310	40.1147	57.9892	47.3714	.0063	9.1476
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.1300	.9250	1.2402	1.6027	39.3019	56.6523	45.6664	.0068	8.9249
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.1800	.9371	1.3116	1.6749	38.4549	55.3440	43.9614	.0073	8.7022
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.2300	.9465	1.3850	1.7476	37.5774	54.0601	42.2564	.0078	8.4794
8.00	2.6350	1.5073	1.08	.4221	2.3691	1.2800	.9531	1.4606	1.8211	36.6720	52.7275	40.5514	.0084	8.2567

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TM21
11.0	2.6956	1.5333	1.00	.3710	2.6956	.3800	.1440	.3582	.3831	20.7507	86.4422	136.1254	.0004	18.7375
11.0	2.6956	1.5333	1.00	.3710	2.6956	.4300	.3641	.4095	.5367	40.2591	80.6693	133.2077	.0004	18.3569
11.0	2.6956	1.5333	1.00	.3710	2.6956	.4800	.4894	.4620	.6597	45.5529	77.5453	130.2900	.0005	17.9764
11.0	2.6956	1.5333	1.00	.3710	2.6956	.5300	.5842	.5156	.7674	47.7869	74.4022	127.3723	.0005	17.5958
11.0	2.6956	1.5333	1.00	.3710	2.6956	.5800	.6620	.5704	.8656	48.7761	72.6252	124.4546	.0005	17.2152
11.0	2.6956	1.5333	1.00	.3710	2.6956	.6300	.7281	.6266	.9576	49.1301	70.5841	121.5369	.0006	16.8346
11.0	2.6956	1.5333	1.00	.3710	2.6956	.6800	.7855	.6841	1.0452	49.1162	68.7097	118.6192	.0006	16.4540
11.0	2.6956	1.5333	1.00	.3710	2.6956	.7300	.8360	.7430	1.1296	48.8708	66.9605	115.7015	.0007	16.0734
11.0	2.6956	1.5333	1.00	.3710	2.6956	.7800	.8807	.8035	1.2119	48.4711	65.3086	112.7838	.0007	15.6928
11.0	2.6956	1.5333	1.00	.3710	2.6956	.8300	.9206	.8656	1.2926	47.9636	63.7348	109.8661	.0008	15.3122
11.0	2.6956	1.5333	1.00	.3710	2.6956	.8800	.9563	.9293	1.3724	47.3782	62.2247	106.9484	.0009	14.9316
11.0	2.6956	1.5333	1.00	.3710	2.6956	.9300	.9881	.9949	1.4516	46.7346	60.7674	104.0307	.0010	14.5510
11.0	2.6956	1.5333	1.00	.3710	2.6956	.9800	1.0165	1.0624	1.5306	46.0462	59.3543	101.1130	.0010	14.1704
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.0300	1.0417	1.1319	1.6098	45.3226	57.9784	98.1953	.0011	13.7898
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.0800	1.0639	1.2035	1.6894	44.5705	56.6340	95.2776	.0012	13.4091
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.1300	1.0834	1.2775	1.7698	43.7947	55.3162	92.3598	.0014	13.0285
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.1800	1.1003	1.3540	1.8513	42.9987	54.0208	89.4421	.0015	12.6479
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.2300	1.1147	1.4331	1.9340	42.1850	52.7443	86.5244	.0017	12.2673
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.2800	1.1267	1.5150	2.0183	41.3554	51.4833	83.6067	.0018	11.8867
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.3300	1.1364	1.6000	2.1045	40.5111	50.2350	80.6890	.0020	11.5061
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.3800	1.1438	1.6883	2.1928	39.6527	48.9967	77.7713	.0023	11.1254
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.4300	1.1490	1.7802	2.2837	38.7808	47.7659	74.8536	.0025	10.7448
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.4800	1.1520	1.8760	2.3773	37.8953	46.5402	71.9359	.0029	10.3642
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.5300	1.1528	1.9760	2.4741	36.9961	45.3173	69.0182	.0032	9.9835
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.5800	1.1514	2.0806	2.5745	36.0827	44.0949	66.1005	.0037	9.6029
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.6300	1.1479	2.1903	2.6789	35.1545	42.8709	63.1828	.0042	9.2222
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.6800	1.1422	2.3056	2.7880	34.2106	41.6430	60.2651	.0048	8.8415
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.7300	1.1342	2.4270	2.9021	33.2499	40.4089	57.3474	.0055	8.4608
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.7800	1.1240	2.5553	3.0221	32.2710	39.1661	54.4297	.0064	8.0802
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.8300	1.1114	2.6913	3.1487	31.2722	37.9121	51.5120	.0074	7.6995
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.8800	1.0965	2.8358	3.2829	30.2517	36.6440	48.5943	.0087	7.3187
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.9300	1.0790	2.9900	3.4256	29.2072	35.3589	45.6766	.0103	6.9380
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.9800	1.0588	3.1553	3.5781	28.1359	34.0532	42.7588	.0124	6.5572
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.0300	1.0359	3.3332	3.7421	27.0345	32.7232	39.8411	.0149	6.1764
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.0800	1.0099	3.5257	3.9194	25.8990	31.3642	36.9234	.0182	5.7956
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.1300	.9808	3.7353	4.1123	24.7247	29.9712	34.0057	.0225	5.4149
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.1800	.9481	3.9650	4.3238	23.5056	28.5378	31.0880	.0283	5.0344
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.2300	.9116	4.2187	4.5576	22.2342	27.0563	28.1703	.0360	4.6528
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.2800	.8707	4.5016	4.8187	20.9006	25.5171	25.2526	.0467	4.2718
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.3300	.8247	4.8204	5.1135	19.4923	23.9079	22.3349	.0620	3.8905
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.3800	.7729	5.1846	5.4511	17.9915	22.2120	19.4172	.0843	3.5091
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.4300	.7139	5.6073	5.8443	16.3731	20.4067	16.4995	.1179	3.1274
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.4800	.6459	6.1080	6.3118	14.5989	18.4587	13.5818	.1708	2.7452
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.5300	.5658	6.7175	6.8834	12.6057	16.3153	10.6641	.2572	2.3621
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.5800	.4677	7.4876	7.6096	10.2748	13.6849	7.7464	.4039	1.9771
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.6300	.3383	8.5194	8.5896	7.3293	10.4766	4.8287	.6527	1.5870
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.6800	.1268	10.1131	10.1244	2.7094	7.6171	1.9110	.9698	1.1644
11.0	2.6956	1.5333	1.08	.4119	2.4275	.4200	.1266	.3967	.4143	16.7716	86.6676	131.8306	.0004	21.7759
11.0	2.6956	1.5333	1.08	.4119	2.4275	.4700	.3356	.4481	.5507	35.5294	81.6204	128.6794	.0004	21.3648
11.0	2.6956	1.5333	1.08	.4119	2.4275	.5200	.4519	.5006	.6633	40.9944	77.7062	125.5283	.0005	20.9537
11.0	2.6956	1.5333	1.08	.4119	2.4275	.5700	.5393	.5543	.7630	43.4158	75.0785	122.3772	.0005	20.5425
11.0	2.6956	1.5333	1.08	.4119	2.4275	.6200	.6103	.6090	.8545	44.5490	72.6184	119.2261	.0005	20.1314
11.0	2.6956	1.5333	1.08	.4119	2.4275	.6700	.6702	.6649	.9405	45.0066	70.7948	116.0750	.0006	19.7203
11.0	2.6956	1.5333	1.08	.4119	2.4275	.7200	.7216	.7221	1.0224	45.0643	68.6384	112.9238	.0006	19.3091
11.0	2.6956	1.5333	1.08	.4119	2.4275	.7700	.7664	.7806	1.1014	44.8655	67.2076	109.7727	.0006	18.8977
11.0	2.6956	1.5333	1.08	.4119	2.4275	.8200	.8056	.8405	1.1783	44.4924	65.5748	106.6216	.0007	18.4867
11.0	2.6956	1.5333	1.08	.4119	2.4275	.8700	.8400	.9018	1.2536	43.9953	64.0206	103.4705	.0007	18.0756
11.0	2.6956	1.5333	1.08	.4119	2.4275	.9200	.8702	.9647	1.3279	43.4067	62.5309	100.3193	.0008	17.6644
11.0	2.6956	1.5333	1.08	.4119	2.4275	.9700	.8966	1.0292	1.4015	42.7482	61.0949	97.1682	.0008	17.2532
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.0200	.9195	1.0954	1.4748	42.0348	59.7041	94.0171	.0009	16.8419
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.0700	.9393	1.1634	1.5480	41.2768	58.3517	90.8660	.0010	16.4317
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.1200	.9560	1.2333	1.6214	40.4418	57.0322	87.7149	.0011	16.0214

11.0	2.6956	1.5333	1.24	.5092	1.9638	1.7100	.5430	2.0936	2.1244	17.3373	52.5565	38.1839	.0010	17.55
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.7400	.4957	2.1855	2.2705	15.7291	53.1229	30.9480	.0010	17.08
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.8100	.4380	2.2807	2.3486	13.6049	54.3499	27.3300	.0010	16.60
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.8600	.3655	2.3795	2.4250	11.1187	56.6991	23.7121	.0010	16.12
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.9100	.2669	2.4822	2.5063	7.9537	62.4128	20.0941	.0010	15.64
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.9600	.0721	2.5893	2.5911	2.1074	81.1030	16.4762	.0009	15.16
11.0	2.6956	1.5333	1.32	.5706	1.7526	.5800	.1045	.5535	.5625	10.2175	86.6127	113.6241	.0004	31.85
11.0	2.6956	1.5333	1.32	.5706	1.7526	.6300	.2569	.6061	.6545	22.1866	81.4859	109.7727	.0004	31.35
11.0	2.6956	1.5333	1.32	.5706	1.7526	.6800	.3407	.6595	.7376	26.6150	78.4425	105.9213	.0004	30.84
11.0	2.6956	1.5333	1.32	.5706	1.7526	.7300	.4015	.7138	.8147	28.8115	76.0488	102.0700	.0004	30.34
11.0	2.6956	1.5333	1.32	.5706	1.7526	.7800	.4487	.7691	.8873	29.9099	74.0138	98.2186	.0004	29.84
11.0	2.6956	1.5333	1.32	.5706	1.7526	.8300	.4863	.8254	.9556	30.3652	72.2181	94.3672	.0005	29.34
11.0	2.6956	1.5333	1.32	.5706	1.7526	.8800	.5164	.8827	1.0235	30.4030	70.5995	90.5159	.0005	28.83
11.0	2.6956	1.5333	1.32	.5706	1.7526	.9300	.5402	.9411	1.0884	30.1498	69.1220	86.6645	.0005	28.33
11.0	2.6956	1.5333	1.32	.5706	1.7526	.9800	.5586	1.0007	1.1518	29.6816	67.7634	82.8131	.0005	27.82
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.0300	.5720	1.0611	1.2141	29.0465	66.5103	78.9617	.0005	27.32
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.0800	.5809	1.1233	1.2755	28.2756	65.3551	75.1104	.0005	26.81
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.1300	.5855	1.1865	1.3363	27.3891	64.2950	71.2590	.0006	26.31
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.1800	.5857	1.2510	1.3967	26.3996	63.3316	67.4076	.0006	25.81
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.2300	.5818	1.3170	1.4569	25.3143	62.4709	63.5563	.0006	25.30
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.2800	.5735	1.3844	1.5170	24.1353	61.7244	59.7049	.0006	24.80
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.3300	.5607	1.4533	1.5772	22.8610	61.1105	55.8535	.0006	24.29
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.3800	.5432	1.5239	1.6377	21.4847	60.6572	52.0021	.0006	23.79
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.4300	.5203	1.5961	1.6985	19.9947	60.4076	48.1508	.0006	23.28
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.4800	.4915	1.6702	1.7599	18.3715	60.4287	44.2994	.0006	22.78
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.5300	.4556	1.7462	1.8220	16.5835	60.6290	40.4480	.0006	22.27
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.5800	.4109	1.8242	1.8848	14.5779	61.7965	36.5967	.0006	21.76
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.6300	.3541	1.9043	1.9487	12.2572	63.6911	32.7453	.0006	21.25
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.6800	.2782	1.9868	2.0138	9.4022	67.3366	28.8939	.0006	20.74
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.7300	.1581	2.0717	2.0804	5.2229	75.6071	25.0425	.0006	20.23
11.0	2.6956	1.5333	1.40	.6486	1.5418	.6500	.0355	.6236	.6245	3.1229	88.7523	105.1978	.0004	35.45
11.0	2.6956	1.5333	1.40	.6486	1.5418	.7000	.2069	.6767	.7056	16.4664	82.5311	101.1130	.0004	34.92
11.0	2.6956	1.5333	1.40	.6486	1.5418	.7500	.2817	.7306	.7805	20.5890	79.5542	97.0282	.0004	34.39
11.0	2.6956	1.5333	1.40	.6486	1.5418	.8000	.3331	.7855	.8508	22.6069	77.3003	92.9434	.0004	33.85
11.0	2.6956	1.5333	1.40	.6486	1.5418	.8500	.3709	.8412	.9178	23.5756	75.4412	88.8586	.0004	33.32
11.0	2.6956	1.5333	1.40	.6486	1.5418	.9000	.3990	.8979	.9822	23.9111	73.6527	84.7738	.0004	32.78
11.0	2.6956	1.5333	1.40	.6486	1.5418	.9500	.4194	.9556	1.0446	23.8205	72.4756	80.6890	.0004	32.25
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.0000	.4331	1.0144	1.1054	23.4195	71.2802	76.6042	.0004	31.71
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.0500	.4409	1.0742	1.1650	22.7764	70.2542	72.5194	.0004	31.18
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.1000	.4429	1.1351	1.2237	21.9320	69.3978	68.4347	.0005	30.64
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.1500	.4394	1.1972	1.2816	20.9094	68.7226	64.3499	.0005	30.11
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.2000	.4301	1.2605	1.3391	19.7179	68.2535	60.2651	.0005	29.57
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.2500	.4147	1.3251	1.3962	18.3549	68.0334	56.1803	.0005	29.04
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.3000	.3926	1.3910	1.4531	16.8042	68.1323	52.0955	.0005	28.50
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.3500	.3625	1.4584	1.5100	15.0303	68.6677	48.0107	.0005	27.96
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.4000	.3223	1.5271	1.5671	12.9628	69.6495	43.9259	.0005	27.42
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.4500	.2674	1.5975	1.6244	10.4502	72.1041	39.8411	.0005	26.89
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.5000	.1858	1.6694	1.6822	7.0593	76.5751	35.7564	.0005	26.34
11.0	2.6956	1.5333	1.48	.7652	1.3068	.7700	.0502	.7476	.7492	3.7310	88.0109	91.7996	.0004	38.68
11.0	2.6956	1.5333	1.48	.7652	1.3068	.8200	.1622	.8021	.8176	11.1891	83.5715	87.4814	.0004	38.12
11.0	2.6956	1.5333	1.48	.7652	1.3068	.8700	.2124	.8574	.8826	15.7226	81.0293	83.1632	.0004	37.55
11.0	2.6956	1.5333	1.48	.7652	1.3068	.9200	.2429	.9135	.9448	14.7896	79.3830	78.8450	.0004	36.99
11.0	2.6956	1.5333	1.48	.7652	1.3068	.9700	.2606	.9706	1.0051	15.0379	78.1849	74.5268	.0004	36.42
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.0200	.2681	1.0287	1.0634	14.7272	77.3626	70.2086	.0004	35.86
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.0700	.2663	1.0878	1.1209	13.9764	76.9152	65.8941	.0004	35.29
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.1200	.2550	1.1478	1.1772	12.8282	76.6979	61.5722	.0004	34.72
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.1700	.2330	1.2090	1.2327	11.2608	77.4419	57.2540	.0004	34.15
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.2200	.1965	1.2713	1.2877	9.1506	78.6361	52.9358	.0004	33.59
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.2700	.1346	1.3347	1.3422	6.0521	81.6973	48.6176	.0004	33.02

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	IR21
1.000	2.72330	1.5451	1.00	.3672	2.72330	.3700	.0803	.3483	.3564	12.2387	88.4464	221.1773	.0001	29.8316
1.000	2.72330	1.5451	1.00	.3672	2.72330	.4200	.3476	.3995	.5186	39.6147	81.4159	216.4986	.0001	29.2213
1.000	2.72330	1.5451	1.00	.3672	2.72330	.4700	.4799	.4518	.6456	45.5944	77.9763	211.8198	.0001	28.6111
1.000	2.72330	1.5451	1.00	.3672	2.72330	.5200	.5785	.5052	.7558	48.0487	75.2861	207.1411	.0001	28.0004
1.000	2.72330	1.5451	1.00	.3672	2.72330	.5700	.6588	.5600	.8559	49.1354	72.9849	202.4623	.0001	27.3905
1.000	2.72330	1.5451	1.00	.3672	2.72330	.6200	.7270	.6160	.9493	49.5407	70.6302	197.7836	.0001	26.7802
1.000	2.72330	1.5451	1.00	.3672	2.72330	.6700	.7861	.6734	1.0381	49.5575	69.0484	193.1048	.0001	26.1699
1.000	2.72330	1.5451	1.00	.3672	2.72330	.7200	.8380	.7322	1.1236	49.3325	67.2955	188.4261	.0001	25.5596
1.000	2.72330	1.5451	1.00	.3672	2.72330	.7700	.8841	.7926	1.2068	48.9476	65.6426	183.7473	.0002	24.9473
1.000	2.72330	1.5451	1.00	.3672	2.72330	.8200	.9253	.8546	1.2885	48.4519	64.0696	179.0686	.0002	24.3340
1.000	2.72330	1.5451	1.00	.3672	2.72330	.8700	.9621	.9183	1.3691	47.8764	62.5618	174.3899	.0002	23.7244
1.000	2.72330	1.5451	1.00	.3672	2.72330	.9200	.9950	.9838	1.4491	47.2418	61.1078	169.7111	.0002	23.1145
1.000	2.72330	1.5451	1.00	.3672	2.72330	.9700	1.0244	1.0512	1.5289	46.5620	59.6990	165.0324	.0002	22.5042
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.0200	1.0506	1.1207	1.6089	45.8469	58.3282	160.3536	.0002	21.8949
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.0700	1.0739	1.1924	1.6893	45.1033	56.9897	155.6749	.0003	21.2876
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.1200	1.0943	1.2664	1.7705	44.3363	55.6783	150.9961	.0003	20.6773
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.1700	1.1122	1.3429	1.8528	43.5495	54.3901	146.3174	.0003	20.0670
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.2200	1.1276	1.4220	1.9364	42.7454	53.1213	141.6387	.0004	19.4567
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.2700	1.1405	1.5041	2.0216	41.9259	51.8687	136.9599	.0004	18.8464
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.3200	1.1512	1.5893	2.1088	41.0923	50.6293	132.2812	.0005	18.2361
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.3700	1.1596	1.6778	2.1981	40.2453	49.4006	127.6024	.0005	17.6258
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.4200	1.1658	1.7699	2.2900	39.3855	48.1799	122.9237	.0006	17.0155
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.4700	1.1698	1.8660	2.3848	38.5129	46.9650	118.2449	.0006	16.4052
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.5200	1.1717	1.9664	2.4828	37.6274	45.7537	113.5662	.0007	15.7948
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.5700	1.1715	2.0715	2.5848	36.7288	44.5436	108.8874	.0008	15.1845
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.6200	1.1691	2.1818	2.6906	35.8164	43.3328	104.2087	.0009	14.5742
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.6700	1.1646	2.2977	2.8012	34.8894	42.1190	99.5300	.0011	13.9639
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.7200	1.1578	2.4200	2.9172	33.9470	40.9000	94.8512	.0013	13.3535
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.7700	1.1489	2.5493	3.0393	32.9880	39.6734	90.1725	.0015	12.7432
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.8200	1.1377	2.6864	3.1682	32.0108	38.4369	85.4937	.0017	12.1328
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.8700	1.1242	2.8324	3.3049	31.0138	37.1878	80.8150	.0020	11.5225
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.9200	1.1083	2.9884	3.4505	29.9950	35.9232	76.1362	.0024	10.9121
1.000	2.72330	1.5451	1.00	.3672	2.72330	1.9700	1.0898	3.1557	3.6064	28.9521	34.6401	71.4575	.0029	10.3017
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.0200	1.0687	3.3362	3.7743	27.8821	33.3348	66.7783	.0036	9.6913
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.0700	1.0448	3.5318	3.9562	26.7818	32.0034	62.1000	.0044	9.0809
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.1200	1.0179	3.7452	4.1545	25.6470	30.6410	57.4213	.0055	8.4705
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.1700	.9877	3.9796	4.3724	24.4729	29.2422	52.7425	.0070	7.8600
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.2200	.9539	4.2392	4.6140	23.2532	27.9000	48.0638	.0090	7.2495
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.2700	.9162	4.5296	4.8847	21.9802	26.5064	43.3850	.0119	6.6390
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.3200	.8741	4.8582	5.1916	20.6437	24.7506	38.7063	.0161	6.0245
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.3700	.8267	5.2352	5.5446	19.2304	23.1189	34.0275	.0225	5.4176
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.4200	.7733	5.6752	5.9579	17.7217	21.3928	29.3488	.0326	4.8067
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.4700	.7125	6.1999	6.4527	16.0908	19.5460	24.6701	.0494	4.1957
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.5200	.6422	6.8437	7.0624	14.2960	17.5392	19.9913	.0792	3.5842
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.5700	.5588	7.6648	7.8438	12.2670	15.3079	15.3126	.1365	2.9720
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.6200	.4556	8.7722	8.9038	9.8647	12.7334	10.6338	.2584	2.3581
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.6700	.3151	10.4110	10.4832	6.7306	9.5396	5.9551	.5419	1.7387
1.000	2.72330	1.5451	1.00	.3672	2.72330	2.7200	.0369	13.5940	13.5953	.7782	4.5703	1.2763	.9984	1.0545
1.000	2.72330	1.5451	1.08	.4075	2.4538	.4100	.0707	.3867	.3924	9.7906	88.1666	214.3650	.0001	34.6579
1.000	2.72330	1.5451	1.08	.4075	2.4538	.4600	.3225	.4381	.5350	35.0372	81.5078	209.3120	.0001	33.9944
1.000	2.72330	1.5451	1.08	.4075	2.4538	.5100	.4450	.4905	.6509	41.1088	78.0907	204.2590	.0001	33.3326
1.000	2.72330	1.5451	1.08	.4075	2.4538	.5600	.5358	.5439	.7528	43.7353	75.4215	199.2059	.0001	32.6804
1.000	2.72330	1.5451	1.08	.4075	2.4538	.6100	.6092	.5986	.8460	44.9622	73.1402	194.1529	.0001	32.0211
1.000	2.72330	1.5451	1.08	.4075	2.4538	.6600	.6709	.6544	.9332	45.4707	71.1048	189.0998	.0001	31.3619
1.000	2.72330	1.5451	1.08	.4075	2.4538	.7100	.7240	.7115	1.0162	45.5596	69.2419	184.0468	.0001	30.7027
1.000	2.72330	1.5451	1.08	.4075	2.4538	.7600	.7702	.7699	1.0962	45.3822	67.5079	178.9937	.0001	30.0435
1.000	2.72330	1.5451	1.08	.4075	2.4538	.8100	.8107	.8297	1.1739	45.0252	65.6740	173.9407	.0001	29.3843
1.000	2.72330	1.5451	1.08	.4075	2.4538	.8600	.8463	.8910	1.2501	44.5414	64.3203	168.8877	.0002	28.7250
1.000	2.72330	1.5451	1.08	.4075	2.4538	.9100	.8777	.9538	1.3252	43.9645	62.6323	163.8346	.0002	28.0664
1.000	2.72330	1.5451	1.08	.4075	2.4538	.9600	.9052	1.0184	1.3995	43.3169	61.3489	158.7816	.0002	27.4065
1.000	2.72330	1.5451	1.08	.4075	2.4538	1.0100	.9292	1.0844	1.4735	42.6142	60.0113	153.7285	.0002	26.7472
1.000	2.72330	1.5451	1.08	.4075	2.4538	1.0600	.9500	1.1524	1.5475	41.8670	58.6628	148.6755	.0002	26.0879

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1.0000	2.72330	1.54551	1.08	.4075	2.45338	.4100	.0707	.3867	.3924	9.7406	88.1666	214.3650	.0001	34.6579
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.4600	.3225	.4381	.5350	35.0372	81.5078	209.3120	.0001	33.9984
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.5100	.4450	.4905	.6509	41.1088	78.6907	204.2590	.0001	33.3396
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.5600	.5358	.5439	.7528	43.7353	75.4215	199.2059	.0001	32.6804
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.6100	.6092	.5986	.8460	44.9622	73.1402	194.1529	.0001	32.0211
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.6600	.6709	.6544	.9332	45.4707	71.1048	189.0998	.0001	31.3619
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.7100	.7240	.7115	1.0162	45.5596	69.2319	184.0468	.0001	30.7027
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.7600	.7702	.7699	1.0962	45.3822	67.5079	178.9937	.0001	30.0435
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.8100	.8107	.8297	1.1739	45.0252	65.6740	173.9407	.0001	29.3843
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.8600	.8463	.8910	1.2501	44.5414	64.3203	168.8877	.0002	28.7250
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.9100	.8777	.9538	1.3252	43.9645	62.6323	163.8346	.0002	28.0658
1.0000	2.72330	1.54551	1.08	.4075	2.45338	.9600	.9052	1.0183	1.3995	43.3169	61.13989	158.7816	.0002	27.4065
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.0100	.9292	1.0844	1.4735	42.6142	60.1113	153.7285	.0002	26.7472
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.0600	.9500	1.1524	1.5475	41.8670	58.6628	148.6755	.0002	26.0879
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.1100	.9677	1.2223	1.6216	41.0831	57.3476	143.6224	.0002	25.4286
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.1600	.9826	1.2942	1.6962	40.2679	56.0609	138.5694	.0002	24.7693
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.2100	.9948	1.3684	1.7714	39.4253	54.7989	133.5164	.0003	24.1100
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.2600	1.0043	1.4448	1.8476	38.5581	53.5581	128.4633	.0003	23.4506
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.3100	1.0113	1.5237	1.9249	37.6680	52.3355	123.4103	.0003	22.7913
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.3600	1.0158	1.6052	2.0036	36.7562	51.1285	118.3572	.0003	22.1319
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.4100	1.0178	1.6896	2.0838	35.8232	49.9349	113.3042	.0004	21.4725
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.4600	1.0173	1.7770	2.1659	34.8692	48.7526	108.2511	.0004	20.8130
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.5100	1.0144	1.8677	2.2501	33.8936	47.5799	103.1981	.0004	20.1535
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.5600	1.0090	1.9619	2.3366	32.8958	46.4151	98.1450	.0005	19.4940
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.6100	1.0011	2.0600	2.4258	31.8745	45.2570	93.0920	.0005	18.8344
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.6600	.9907	2.1621	2.5179	30.8281	44.1044	88.0390	.0006	18.1748
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.7100	.9775	2.2688	2.6134	29.7544	42.9565	82.9859	.0007	17.5151
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.7600	.9616	2.3804	2.7126	28.6509	41.8127	77.9329	.0007	16.8553
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.8100	.9428	2.4974	2.8159	27.5143	40.6730	72.8798	.0008	16.1955
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.8600	.9209	2.6204	2.9240	26.3405	39.5380	67.8268	.0009	15.5355
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.9100	.8957	2.7499	3.0372	25.1246	38.4091	62.7737	.0010	14.8753
1.0000	2.72330	1.54551	1.08	.4075	2.45338	1.9600	.8669	2.8866	3.1564	23.8603	37.2892	57.7207	.0011	14.2150
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.0100	.8342	3.0316	3.2823	22.5396	36.1832	52.6677	.0013	13.5545
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.0600	.7970	3.1856	3.4157	21.1520	35.0998	47.6146	.0014	12.8937
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.1100	.7548	3.3500	3.5578	19.6837	34.0540	42.5616	.0016	12.2324
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.1600	.7066	3.5260	3.7099	18.1154	33.0721	37.5085	.0018	11.5705
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.2100	.6512	3.7156	3.8736	16.4194	32.2031	32.4555	.0020	10.9079
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.2600	.5867	3.9209	4.0509	14.5524	31.5457	27.4024	.0022	10.2433
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.3100	.5097	4.1447	4.2444	12.4418	31.3238	22.3494	.0024	9.5776
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.3600	.4137	4.3909	4.4579	9.9439	32.1615	17.2964	.0026	8.9072
1.0000	2.72330	1.54551	1.08	.4075	2.45338	2.4100	.2822	4.6654	4.6973	6.6780	36.6788	12.2433	.0026	8.2277
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.4600	.1173	.4354	.4493	14.3004	86.7551	205.8684	.0001	39.7059
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.5100	.3130	.4871	.5715	31.5384	81.1844	200.4411	.0001	38.9917
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.5600	.4209	.5398	.6752	36.9313	77.9281	195.0138	.0001	38.2876
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.6100	.5014	.5935	.7682	39.4197	75.3509	189.5864	.0001	37.5794
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.6600	.5663	.6483	.8541	40.6281	73.1380	184.1591	.0001	36.8713
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.7100	.6204	.7042	.9351	41.1460	71.1601	178.7317	.0001	36.1631
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.7600	.6664	.7612	1.0124	41.2461	69.3493	173.3044	.0001	35.4549
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.8100	.7059	.8195	1.0871	41.0728	67.6645	167.8770	.0001	34.7466
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.8600	.7400	.8791	1.1598	40.7103	66.0788	162.4497	.0001	34.0384
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.9100	.7693	.9401	1.2310	40.2107	64.5734	157.0224	.0001	33.3301
1.0000	2.72330	1.54551	1.16	.4521	2.21119	.9600	.7944	1.0025	1.3012	39.6078	63.1347	151.5950	.0002	32.6218
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.0100	.8157	1.0663	1.3706	38.9243	61.7524	146.1677	.0002	31.9135
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.0600	.8334	1.1317	1.4396	38.1760	60.4187	140.7403	.0002	31.2051
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.1100	.8479	1.1988	1.5085	37.3737	59.1275	135.3130	.0002	30.4967
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.1600	.8591	1.2676	1.5774	36.5252	57.8738	129.8856	.0002	29.7883
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.2100	.8674	1.3382	1.6466	35.6357	56.6539	124.4583	.0002	29.0794
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.2600	.8728	1.4108	1.7162	34.7089	55.4648	119.0310	.0002	28.3713
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.3100	.8752	1.4855	1.7865	33.7471	54.3046	113.6036	.0002	27.6627
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.3600	.8748	1.5623	1.8576	32.7514	53.1716	108.1763	.0002	26.9541
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.4100	.8716	1.6415	1.9298	31.7220	52.0653	102.7489	.0003	26.2453
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.4600	.8654	1.7231	2.0031	30.6583	50.9858	97.3216	.0003	25.5365
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.5100	.8564	1.8074	2.0778	29.5590	49.9340	91.8942	.0003	24.8276
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.5600	.8443	1.8945	2.1541	28.4217	48.9122	86.4669	.0003	24.1184
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.6100	.8290	1.9846	2.2322	27.2432	47.9238	81.0396	.0003	23.4093
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.6600	.8103	2.0780	2.3123	26.0194	46.9745	75.6122	.0004	22.6999
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.7100	.7881	2.1748	2.3947	24.7445	46.0727	70.1849	.0004	21.9905
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.7600	.7620	2.2755	2.4796	23.4112	45.2311	64.7575	.0004	21.2814
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.8100	.7316	2.3802	2.5673	22.0098	44.4686	59.3302	.0004	20.5711
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.8600	.6964	2.4843	2.6581	20.5271	43.8149	53.9028	.0005	19.8594
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.9100	.6556	2.6033	2.7524	18.9452	43.3172	48.4755	.0005	19.1490
1.0000	2.72330	1.54551	1.16	.4521	2.21119	1.9600	.6081	2.7225	2.8506	17.2378	43.0554	43.0482	.0005	18.4385
1.0000	2.72330	1.54551	1.16	.4521	2.21119	2.0100	.5523	2.8476	2.9532	15.3648	43.1744	37.6208	.0005	17.7222
1.0000	2.72330	1.54551	1.16	.4521	2.21119	2.0600	.4854	2.9742	3.0608	13.2593				

1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.7100	.7881	2.1748	2.3947	24.7445	46.0727	70.1849	.0004	21.9903
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.7600	.7620	2.2755	2.4796	23.4112	45.2311	64.7575	.0004	21.2404
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.8100	.7316	2.3802	2.5673	22.0098	44.4686	59.3302	.0004	20.5701
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.8600	.6964	2.4893	2.6581	20.5271	43.6149	53.9028	.0005	19.8504
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.9100	.6556	2.6033	2.7524	18.9452	43.3172	48.4755	.0005	19.1400
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	1.9600	.6081	2.7225	2.8506	17.2378	43.0554	43.0482	.0005	18.4307
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	2.0100	.5523	2.8476	2.9532	15.3648	43.1744	37.6208	.0005	17.7202
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	2.0600	.4854	2.9792	3.0608	13.2593	43.9654	32.1935	.0005	17.0059
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	2.1100	.4022	3.1181	3.1742	10.7923	46.1165	26.7661	.0005	16.2845
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	2.1600	.2897	3.2653	3.2946	7.6380	51.6077	21.3388	.0005	15.5648
1.4.0	2.7230	1.5451	1.16	.4521	2.2119	2.2100	.0551	3.4226	3.4237	1.4283	80.1754	15.9114	.0005	14.8305

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1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.5100	.1040	.4842	.4942	11.5214	86.9252	196.6232	.0001	45.0913
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.5600	.2855	.5362	.6018	27.0105	81.3899	190.8216	.0001	44.3342
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.6100	.3836	.5891	.6960	32.1662	78.1933	185.0200	.0001	43.5771
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.6600	.4559	.6430	.7815	34.6365	75.6741	179.2183	.0001	42.8199
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.7100	.5134	.6979	.8613	35.8697	73.5192	173.4167	.0001	42.0627
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.7600	.5606	.7539	.9368	36.4132	71.6009	167.6150	.0001	41.3054
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.8100	.6000	.8110	1.0092	36.5277	69.6523	161.8134	.0001	40.5482
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.8600	.6330	.8692	1.0793	36.3546	68.2335	156.0118	.0001	39.7908
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.9100	.6606	.9286	1.1475	35.9775	66.7186	150.2101	.0001	39.0335
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	.9600	.6835	.9893	1.2144	35.4489	65.2900	144.4085	.0001	38.2761
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.0100	.7020	1.0513	1.2803	34.8030	63.9352	138.6068	.0001	37.5186
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.0600	.7167	1.1146	1.3455	34.0629	62.6454	132.8052	.0001	36.7611
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.1100	.7276	1.1794	1.4102	33.2441	61.4144	127.0035	.0001	36.0034
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.1600	.7350	1.2457	1.4747	32.3575	60.2382	121.2019	.0002	35.2454
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.2100	.7389	1.3136	1.5391	31.4101	59.1144	115.4003	.0002	34.4880
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.2600	.7394	1.3832	1.6037	30.4064	58.0425	109.5986	.0002	33.7301
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.3100	.7366	1.4545	1.6686	29.3487	56.9235	103.7970	.0002	32.9720
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.3600	.7304	1.5277	1.7340	28.2374	56.0605	97.9953	.0002	32.2139
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.4100	.7206	1.6028	1.8000	27.0712	55.1591	92.1937	.0002	31.4555
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.4600	.7073	1.6800	1.8668	25.8472	54.3277	86.3920	.0002	30.6949
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.5100	.6901	1.7594	1.9345	24.5606	53.5792	80.5904	.0002	29.9341
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.5600	.6687	1.8412	2.0032	23.2040	52.9325	74.7888	.0002	29.1789
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.6100	.6429	1.9254	2.0733	21.7673	52.4158	68.9871	.0002	28.4193
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.6600	.6119	2.0123	2.1447	20.2360	52.0720	63.1855	.0002	27.6592
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.7100	.5751	2.1020	2.2177	18.5890	51.9687	57.3838	.0002	26.8944
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.7600	.5312	2.1948	2.2926	16.7951	52.2182	51.5822	.0002	26.1364
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.8100	.4784	2.2908	2.3695	14.8038	53.0212	45.7805	.0002	25.3754
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.8600	.4132	2.3904	2.4487	12.5255	54.7774	39.9789	.0002	24.6071
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.9100	.3288	2.4939	2.5306	9.7681	58.4380	34.1773	.0002	23.8417
1.4.0	2.7230	1.5451	1.24	.5027	1.9894	1.9600	.2030	2.6016	2.6155	5.9132	67.2996	28.3756	.0002	23.0699

1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.5700	.0972	.5435	.5514	9.6771	86.9092	185.3943	.0001	50.6590
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.6200	.2581	.5959	.6455	22.6045	81.6091	179.2183	.0001	49.9004
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.6700	.3447	.6493	.7302	27.2260	78.5375	173.0424	.0001	49.0465
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.7200	.4075	.7035	.8084	29.5069	76.1285	166.8664	.0001	48.2402
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.7700	.4563	.7588	.8820	30.6529	74.0816	160.6905	.0001	47.4339
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.8200	.4954	.8150	.9522	31.1403	72.2743	154.5146	.0001	46.6274
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.8700	.5270	.8723	1.0198	31.2036	70.6434	148.3386	.0001	45.8211
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.9200	.5522	.9306	1.0854	30.9733	69.1518	142.1627	.0001	45.0144
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	.9700	.5720	.9901	1.1494	30.5277	67.7767	135.9867	.0001	44.2077
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.0200	.5869	1.0508	1.2123	29.9161	66.5036	129.8108	.0001	43.4011
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.0700	.5973	1.1127	1.2743	29.1707	65.3241	123.6348	.0001	42.5941
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.1200	.6034	1.1759	1.3356	28.3124	64.2341	117.4589	.0001	41.7871
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.1700	.6053	1.2404	1.3966	27.3548	63.2334	111.2830	.0001	40.9799
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.2200	.6031	1.3063	1.4573	26.3057	62.3260	105.1070	.0001	40.1725
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.2700	.5968	1.3738	1.5179	25.1688	61.5199	98.9311	.0001	39.3649
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.3200	.5861	1.4427	1.5786	23.9437	60.8288	92.7551	.0001	38.5576
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.3700	.5710	1.5133	1.6395	22.6260	60.2741	86.5792	.0001	37.7494
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.4200	.5510	1.5856	1.7008	21.2072	59.8876	80.4033	.0001	36.9422
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.4700	.5255	1.6597	1.7626	19.6726	59.7185	74.2273	.0001	36.1341
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.5200	.4939	1.7357	1.8251	17.9995	59.6435	68.0514	.0001	35.3213
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.5700	.4547	1.8138	1.8883	16.1511	60.3895	61.8754	.0001	34.5117
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.6200	.4059	1.8939	1.9525	14.0646	61.5814	55.6995	.0001	33.6990
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.6700	.3434	1.9764	2.0178	11.6198	63.6694	49.5235	.0001	32.8857
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.7200	.2578	2.0613	2.0843	8.5237	68.3681	43.3476	.0001	32.0713
1.4.0	2.7230	1.5451	1.32	.5621	1.7789	1.7700	.1022	2.1488	2.1524	3.3058	80.3303	37.1717	.0001	31.2516

14.0	2.7230	1.5451	1.40	.6367	1.5706	.6400	.0552	.6135	.6158	4.9266	88.0981	171.4569	.0001	56.3770
14.0	2.7230	1.5451	1.40	.6367	1.5706	.6900	.2159	.6666	.6984	17.3739	82.3689	165.4067	.0001	55.5216
14.0	2.7230	1.5451	1.40	.6367	1.5706	.7400	.2914	.7204	.7744	21.5245	79.4118	158.8564	.0001	54.6611
14.0	2.7230	1.5451	1.40	.6367	1.5706	.7900	.3446	.7752	.8457	23.5687	77.1544	152.3062	.0001	53.8115
14.0	2.7230	1.5451	1.40	.6367	1.5706	.8400	.3839	.8309	.9135	24.5609	75.2481	145.7559	.0001	52.9599
14.0	2.7230	1.5451	1.40	.6367	1.5706	.8900	.4135	.8875	.9787	24.9202	73.6698	139.2057	.0001	52.0991
14.0	2.7230	1.5451	1.40	.6367	1.5706	.9400	.4355	.9452	1.0417	24.8560	72.2617	132.6555	.0001	51.2401
14.0	2.7230	1.5451	1.40	.6367	1.5706	.9900	.4509	1.0039	1.1031	24.4853	71.0258	126.1052	.0001	50.3870
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.0400	.4604	1.0637	1.1632	23.8781	69.5476	119.5550	.0001	49.5377
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.0900	.4644	1.1246	1.2224	23.0766	67.9240	113.0047	.0001	48.6911

4

72330	5455	32	5621	7789	5700	0972	5435	5514	9.6771	86.4092	185.3943	.0001	50.6570
72330	5455	32	5621	7789	6200	2581	5959	6455	22.6045	81.6091	179.2183	.0001	49.8525
72330	5455	32	5621	7789	6700	3447	6493	7302	27.2260	78.5375	173.0424	.0001	49.0465
72330	5455	32	5621	7789	7200	4075	7035	8084	29.5069	76.1285	166.8664	.0001	48.2482
72330	5455	32	5621	7789	7700	4563	7588	8820	30.6529	74.6816	160.6905	.0001	47.4339
72330	5455	32	5621	7789	8200	4954	8150	9522	31.1403	72.2743	154.5146	.0001	46.6274
72330	5455	32	5621	7789	8700	5270	8723	1.0198	31.2036	70.6434	148.3386	.0001	45.8210
72330	5455	32	5621	7789	9200	5522	9306	1.0854	30.9733	69.1518	142.1627	.0001	45.0144
72330	5455	32	5621	7789	9700	5720	9901	1.1494	30.5277	67.7767	135.9867	.0001	44.2077
72330	5455	32	5621	7789	1.0200	5869	1.0508	1.2123	29.9161	66.5036	129.8108	.0001	43.4010
72330	5455	32	5621	7789	1.0700	5973	1.1127	1.2743	29.1707	65.3241	123.6348	.0001	42.5941
72330	5455	32	5621	7789	1.1200	6034	1.1759	1.3356	28.3124	64.2341	117.4589	.0001	41.7871
72330	5455	32	5621	7789	1.1700	6053	1.2404	1.3966	27.3548	63.2334	111.2830	.0001	40.9799
72330	5455	32	5621	7789	1.2200	6031	1.3063	1.4573	26.3057	62.3260	105.1070	.0001	40.1725
72330	5455	32	5621	7789	1.2700	5968	1.3738	1.5179	25.1688	61.5199	98.9311	.0001	39.3649
72330	5455	32	5621	7789	1.3200	5861	1.4427	1.5786	23.9437	60.6288	92.7551	.0001	38.5570
72330	5455	32	5621	7789	1.3700	5710	1.5133	1.6395	22.6260	60.0274	86.5792	.0001	37.7434
72330	5455	32	5621	7789	1.4200	5510	1.5856	1.7008	21.2072	59.0876	80.4033	.0001	36.9342
72330	5455	32	5621	7789	1.4700	5255	1.6597	1.7626	19.6726	59.7185	74.2273	.0001	36.1311
72330	5455	32	5621	7789	1.5200	4939	1.7357	1.8251	17.9995	59.0435	68.0514	.0001	35.3213
72330	5455	32	5621	7789	1.5700	4547	1.8138	1.8883	16.1511	60.3895	61.8754	.0001	34.5107
72330	5455	32	5621	7789	1.6200	4059	1.8939	1.9525	14.0646	61.5814	55.6995	.0001	33.6990
72330	5455	32	5621	7789	1.6700	3434	1.9764	2.0178	11.6198	63.6694	49.5235	.0001	32.8857
72330	5455	32	5621	7789	1.7200	2578	2.0613	2.0843	8.5237	68.3681	43.3476	.0001	32.0703
72330	5455	32	5621	7789	1.7700	1022	2.1488	2.1524	3.3058	80.3303	37.1717	.0001	31.2516
72330	5455	40	6367	5706	6400	0552	6135	6158	4.9266	88.6981	171.9569	.0001	56.3770
72330	5455	40	6367	5706	6900	2159	6666	6984	17.3739	82.3689	165.4067	.0001	55.5216
72330	5455	40	6367	5706	7400	2919	7204	7744	21.5245	79.4118	158.8564	.0001	54.6661
72330	5455	40	6367	5706	7900	3446	7752	8457	23.5687	77.1544	152.3062	.0001	53.8105
72330	5455	40	6367	5706	8400	3839	8309	9135	24.5609	75.2810	145.7559	.0001	52.9549
72330	5455	40	6367	5706	8900	4135	8875	9787	24.9202	73.6698	139.2057	.0001	52.0991
72330	5455	40	6367	5706	9400	4355	9452	1.0417	24.8560	72.2617	132.6555	.0001	51.2431
72330	5455	40	6367	5706	9900	4509	1.0039	1.1031	24.4853	71.6258	126.1052	.0001	50.3870
72330	5455	40	6367	5706	1.0400	4604	1.0637	1.1632	23.8781	69.9476	119.5550	.0001	49.5309
72330	5455	40	6367	5706	1.0900	4644	1.1246	1.2224	23.0766	69.6240	113.0047	.0001	48.6742
72330	5455	40	6367	5706	1.1400	4630	1.1867	1.2808	22.1059	68.2617	106.4545	.0001	47.8174
72330	5455	40	6367	5706	1.1900	4563	1.2500	1.3387	20.9783	67.6781	99.9043	.0001	46.9603
72330	5455	40	6367	5706	1.2400	4439	1.3145	1.3962	19.6955	67.3039	93.3540	.0001	46.1028
72330	5455	40	6367	5706	1.2900	4253	1.3805	1.4536	18.2486	67.1892	86.8038	.0001	45.2449
72330	5455	40	6367	5706	1.3400	3999	1.4478	1.5108	16.6151	67.4154	80.2535	.0001	44.3863
72330	5455	40	6367	5706	1.3900	3660	1.5165	1.5682	14.7512	68.1195	73.7033	.0001	43.5271
72330	5455	40	6367	5706	1.4400	3211	1.5868	1.6258	12.5720	69.5522	67.1531	.0001	42.6663
72330	5455	40	6367	5706	1.4900	2598	1.6588	1.6838	9.8895	72.2462	60.6026	.0001	41.8053
72330	5455	40	6367	5706	1.5400	1645	1.7324	1.7423	6.0954	77.6106	54.0526	.0001	40.9421
72330	5455	48	7441	3438	7500	0588	7267	7289	4.4810	87.7384	171.9319	.0001	61.6726
72330	5455	48	7441	3438	8000	1736	7809	7991	12.2445	83.1170	145.0073	.0001	60.7677
72330	5455	48	7441	3438	8500	2277	8360	8654	14.9968	80.6851	138.0828	.0001	59.8626
72330	5455	48	7441	3438	9000	2619	8919	9289	16.2238	78.9279	131.1583	.0001	58.9573
72330	5455	48	7441	3438	9500	2834	9488	9901	16.6129	77.5916	124.2337	.0001	58.0514
72330	5455	48	7441	3438	1.0000	2952	1.0066	1.0495	16.4452	76.5922	117.3092	.0001	57.1460
72330	5455	48	7441	3438	1.0500	2983	1.0654	1.1076	15.8571	75.9099	110.3846	.0001	56.2399
72330	5455	48	7441	3438	1.1000	2930	1.1252	1.1645	14.9132	75.5668	103.4601	.0001	55.3344
72330	5455	48	7441	3438	1.1500	2788	1.1862	1.2205	13.6293	75.6286	96.5356	.0001	54.4264
72330	5455	48	7441	3438	1.2000	2544	1.2482	1.2759	11.9716	76.2299	89.6110	.0001	53.5143
72330	5455	48	7441	3438	1.2500	2164	1.3114	1.3309	9.8207	77.6500	82.6865	.0001	52.6146
72330	5455	48	7441	3438	1.3000	1549	1.3758	1.3855	6.7963	80.6236	75.7619	.0001	51.7013

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APPENDIX I

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

MI	MI0	DEL MAX	DEL C	MIN	X MAX	X (2200)	Y (2200)	M2L	M2	IMEIA	ICMA	PR21	PIR21	IR21
1.5	1.4214	1.0625	1.0000	7035	1.4214	7100	0505	6931	6945	4.0662	3.3913	2.3514	9234	1.1644
1.5	1.4214	1.0625	1.0000	7035	1.4214	7600	1414	7452	7575	10.5392	7.3331	2.2564	9333	1.1544
1.5	1.4214	1.0625	1.0000	7035	1.4214	8100	2084	7977	8174	12.7454	7.3331	2.2564	9433	1.1444
1.5	1.4214	1.0625	1.0000	7035	1.4214	8600	2296	8504	8714	13.6205	6.2346	2.0664	9529	1.1344
1.5	1.4214	1.0625	1.0000	7035	1.4214	9100	2296	9045	9252	13.7705	6.2346	1.8765	9607	1.1244
1.5	1.4214	1.0625	1.0000	7035	1.4214	9600	2296	9584	9814	13.7705	6.2346	1.6865	9687	1.1144
1.5	1.4214	1.0625	1.0000	7035	1.4214	10100	2296	10137	10452	12.7454	5.1346	1.4965	9758	1.1044
1.5	1.4214	1.0625	1.0000	7035	1.4214	10600	2296	10657	11077	10.5392	3.9346	1.3065	9873	1.0944
1.5	1.4214	1.0625	1.0000	7035	1.4214	11100	2296	11229	11752	7.9552	2.7346	1.1165	9917	1.0844
1.5	1.4214	1.0625	1.0000	7035	1.4214	11600	2296	11810	12431	4.9552	1.5346	0.9265	9951	1.0744
1.5	1.4214	1.0625	1.0000	7035	1.4214	12100	2296	12401	13081	2.9552	0.3346	0.7365	9976	1.0644
1.5	1.4214	1.0625	1.0000	7035	1.4214	12600	2296	13004	13731	0.9552	0.1346	0.5465	9991	1.0544
1.5	1.4214	1.0625	1.0000	7035	1.4214	13100	2296	13604	14431	0.9552	0.1346	0.3565	9998	1.0444
1.5	1.4214	1.0625	1.0000	7035	1.4214	13600	2296	14253	15184	0.9552	0.1346	0.1665	10000	1.0344
1.5	1.4214	1.0625	1.0000	7035	1.4214	14100	2296	15184	16254	0.9552	0.1346	0.0765	10000	1.0244
1.5	1.4214	1.0625	1.0000	7035	1.4214	14600	2296	16253	17484	0.9552	0.1346	0.0765	10000	1.0144
1.5	1.4214	1.0625	1.0000	7035	1.4214	15100	2296	17484	18854	0.9552	0.1346	0.0765	10000	1.0044
1.5	1.4214	1.0625	1.0000	7035	1.4214	15600	2296	18854	20384	0.9552	0.1346	0.0765	10000	0.9944
1.5	1.4214	1.0625	1.0000	7035	1.4214	16100	2296	20384	22084	0.9552	0.1346	0.0765	10000	0.9844
1.5	1.4214	1.0625	1.0000	7035	1.4214	16600	2296	22084	23984	0.9552	0.1346	0.0765	10000	0.9744
1.5	1.4214	1.0625	1.0000	7035	1.4214	17100	2296	23984	26084	0.9552	0.1346	0.0765	10000	0.9644
1.5	1.4214	1.0625	1.0000	7035	1.4214	17600	2296	26084	28384	0.9552	0.1346	0.0765	10000	0.9544
1.5	1.4214	1.0625	1.0000	7035	1.4214	18100	2296	28384	30884	0.9552	0.1346	0.0765	10000	0.9444
1.5	1.4214	1.0625	1.0000	7035	1.4214	18600	2296	30884	33584	0.9552	0.1346	0.0765	10000	0.9344
1.5	1.4214	1.0625	1.0000	7035	1.4214	19100	2296	33584	36584	0.9552	0.1346	0.0765	10000	0.9244
1.5	1.4214	1.0625	1.0000	7035	1.4214	19600	2296	36584	39884	0.9552	0.1346	0.0765	10000	0.9144
1.5	1.4214	1.0625	1.0000	7035	1.4214	20100	2296	39884	43484	0.9552	0.1346	0.0765	10000	0.9044
1.5	1.4214	1.0625	1.0000	7035	1.4214	20600	2296	43484	47384	0.9552	0.1346	0.0765	10000	0.8944
1.5	1.4214	1.0625	1.0000	7035	1.4214	21100	2296	47384	51584	0.9552	0.1346	0.0765	10000	0.8844
1.5	1.4214	1.0625	1.0000	7035	1.4214	21600	2296	51584	56084	0.9552	0.1346	0.0765	10000	0.8744
1.5	1.4214	1.0625	1.0000	7035	1.4214	22100	2296	56084	60884	0.9552	0.1346	0.0765	10000	0.8644
1.5	1.4214	1.0625	1.0000	7035	1.4214	22600	2296	60884	65984	0.9552	0.1346	0.0765	10000	0.8544
1.5	1.4214	1.0625	1.0000	7035	1.4214	23100	2296	65984	71384	0.9552	0.1346	0.0765	10000	0.8444
1.5	1.4214	1.0625	1.0000	7035	1.4214	23600	2296	71384	77084	0.9552	0.1346	0.0765	10000	0.8344
1.5	1.4214	1.0625	1.0000	7035	1.4214	24100	2296	77084	83084	0.9552	0.1346	0.0765	10000	0.8244
1.5	1.4214	1.0625	1.0000	7035	1.4214	24600	2296	83084	89384	0.9552	0.1346	0.0765	10000	0.8144
1.5	1.4214	1.0625	1.0000	7035	1.4214	25100	2296	89384	96084	0.9552	0.1346	0.0765	10000	0.8044
1.5	1.4214	1.0625	1.0000	7035	1.4214	25600	2296	96084	103184	0.9552	0.1346	0.0765	10000	0.7944
1.5	1.4214	1.0625	1.0000	7035	1.4214	26100	2296	103184	110684	0.9552	0.1346	0.0765	10000	0.7844
1.5	1.4214	1.0625	1.0000	7035	1.4214	26600	2296	110684	118584	0.9552	0.1346	0.0765	10000	0.7744
1.5	1.4214	1.0625	1.0000	7035	1.4214	27100	2296	118584	126884	0.9552	0.1346	0.0765	10000	0.7644
1.5	1.4214	1.0625	1.0000	7035	1.4214	27600	2296	126884	135584	0.9552	0.1346	0.0765	10000	0.7544
1.5	1.4214	1.0625	1.0000	7035	1.4214	28100	2296	135584	144684	0.9552	0.1346	0.0765	10000	0.7444
1.5	1.4214	1.0625	1.0000	7035	1.4214	28600	2296	144684	154184	0.9552	0.1346	0.0765	10000	0.7344
1.5	1.4214	1.0625	1.0000	7035	1.4214	29100	2296	154184	164084	0.9552	0.1346	0.0765	10000	0.7244
1.5	1.4214	1.0625	1.0000	7035	1.4214	29600	2296	164084	174384	0.9552	0.1346	0.0765	10000	0.7144
1.5	1.4214	1.0625	1.0000	7035	1.4214	30100	2296	174384	185084	0.9552	0.1346	0.0765	10000	0.7044
1.5	1.4214	1.0625	1.0000	7035	1.4214	30600	2296	185084	196184	0.9552	0.1346	0.0765	10000	0.6944
1.5	1.4214	1.0625	1.0000	7035	1.4214	31100	2296	196184	207684	0.9552	0.1346	0.0765	10000	0.6844
1.5	1.4214	1.0625	1.0000	7035	1.4214	31600	2296	207684	219584	0.9552	0.1346	0.0765	10000	0.6744
1.5	1.4214	1.0625	1.0000	7035	1.4214	32100	2296	219584	231884	0.9552	0.1346	0.0765	10000	0.6644
1.5	1.4214	1.0625	1.0000	7035	1.4214	32600	2296	231884	244584	0.9552	0.1346	0.0765	10000	0.6544
1.5	1.4214	1.0625	1.0000	7035	1.4214	33100	2296	244584	257684	0.9552	0.1346	0.0765	10000	0.6444
1.5	1.4214	1.0625	1.0000	7035	1.4214	33600	2296	257684	271184	0.9552	0.1346	0.0765	10000	0.6344
1.5	1.4214	1.0625	1.0000	7035	1.4214	34100	2296	271184	285084	0.9552	0.1346	0.0765	10000	0.6244
1.5	1.4214	1.0625	1.0000	7035	1.4214	34600	2296	285084	299384	0.9552	0.1346	0.0765	10000	0.6144
1.5	1.4214	1.0625	1.0000	7035	1.4214	35100	2296	299384	314084	0.9552	0.1346	0.0765	10000	0.6044
1.5	1.4214	1.0625	1.0000	7035	1.4214	35600	2296	314084	329184	0.9552	0.1346	0.0765	10000	0.5944
1.5	1.4214	1.0625	1.0000	7035	1.4214	36100	2296	329184	344684	0.9552	0.1346	0.0765	10000	0.5844
1.5	1.4214	1.0625	1.0000	7035	1.4214	36600	2296	344684	360584	0.9552	0.1346	0.0765	10000	0.5744
1.5	1.4214	1.0625	1.0000	7035	1.4214	37100	2296	360584	376884	0.9552	0.1346	0.0765	10000	0.5644
1.5	1.4214	1.0625	1.0000	7035	1.4214	37600	2296	376884	393584	0.9552	0.1346	0.0765	10000	0.5544
1.5	1.4214	1.0625	1.0000	7035	1.4214	38100	2296	393584	410684	0.9552	0.1346	0.0765	10000	0.5444
1.5	1.4214	1.0625	1.0000	7035	1.4214	38600	2296	410684	428184	0.9552	0.1346	0.0765	10000	0.5344
1.5	1.4214	1.0625	1.0000	7035	1.4214	39100	2296	428184	446084	0.9552	0.1346	0.0765	10000	0.5244
1.5	1.4214	1.0625	1.0000	7035	1.4214	39600	2296	446084	464384	0.9552	0.1346	0.0765	10000	0.5144
1.5	1.4214	1.0625	1.0000	7035	1.4214	40100	2296	464384	483084	0.9552	0.1346	0.0765	10000	0.5044
1.5	1.4214	1.0625	1.0000	7035	1.4214	40600	2296	483084	502184	0.9552	0.1346	0.0765	10000	0.4944
1.5	1.4214	1.0625	1.0000	7035	1.4214	41100	2296	502184	521684	0.9552	0.1346	0.0765	10000	0.4844
1.5	1.4214	1.0625	1.0000	7035	1.4214	41600	2296	521684	541584	0.9552	0.1346	0.0765	10000	0.4744
1.5	1.4214	1.0625	1.0000	7035	1.4214	42100	2296	541584	561884	0.9552	0.1346	0.0765	10000	0.4644
1.5	1.4214	1.0625	1.0000	7035	1.4214	42600	2296	561884	582584	0.9552	0.1346	0.0765	10000	0.4544
1.5	1.4214	1.0625	1.0000	7035	1.4214	43100	2296	582584	603684	0.9552	0.1346	0.0765	10000	0.4444
1.5	1.4214	1.0625	1.0000	7035	1.4214	43600	2296	603684	625184	0.9552	0.1346	0.0765	10000	0.4344
1.5	1.4214	1.0625	1.0000	7035	1.4214	44100	2296	625184	647084	0.9552	0.1346	0.0765	10000	0.4244
1.5	1.4214	1.0625	1.0000	7035	1.4214	44600	2296	647084	669384	0.9552	0.1346	0.0765	10000	0.4144
1.5	1.4214	1.0625	1.0000	7035	1.4214	45100	2296	669384						

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DFL	XM1N	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PT21	TR21
2.0	1.7728	1.1684	1.00	.5641	1.7728	.5700	.0731	.5518	.5563	7.3039	86.2242	4.2567	.6768	1.3580
2.0	1.7728	1.1684	1.00	.5641	1.7728	.6200	.2186	.6031	.6395	19.4192	75.2643	4.1213	.6962	1.3450
2.0	1.7728	1.1684	1.00	.5641	1.7728	.6700	.2925	.6549	.7146	24.5745	75.1454	3.9859	.7138	1.3320
2.0	1.7728	1.1684	1.00	.5641	1.7728	.7200	.3446	.7073	.7841	25.5738	71.2779	3.8506	.7315	1.3187
2.0	1.7728	1.1684	1.00	.5641	1.7728	.7700	.3838	.7602	.8494	26.4945	69.0562	3.7152	.7494	1.3058
2.0	1.7728	1.1684	1.00	.5641	1.7728	.8200	.4140	.8147	.9115	26.7670	66.5160	3.5798	.7675	1.2926
2.0	1.7728	1.1684	1.00	.5641	1.7728	.8700	.4370	.8677	.9711	26.6702	64.1712	3.4444	.7855	1.2794
2.0	1.7728	1.1684	1.00	.5641	1.7728	.9200	.4540	.9224	1.0286	26.2668	61.5695	3.3090	.8036	1.2660
2.0	1.7728	1.1684	1.00	.5641	1.7728	.9700	.4658	.9777	1.0846	25.6512	59.2765	3.1737	.8215	1.2526
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.0200	.4728	1.0337	1.1394	24.8705	57.2676	3.0383	.8393	1.2391
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.0700	.4754	1.0904	1.1932	23.9555	55.5246	2.9029	.8569	1.2255
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.1200	.4737	1.1478	1.2463	22.9266	54.0331	2.7675	.8740	1.2119
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.1700	.4679	1.2000	1.2986	21.7971	52.1816	2.6321	.8908	1.1979
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.2200	.4580	1.2650	1.3511	20.5754	50.2603	2.4966	.9069	1.1839
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.2700	.4439	1.3248	1.4034	19.2660	48.2607	2.3614	.9222	1.1696
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.3200	.4256	1.3855	1.4558	17.8701	46.1751	2.2260	.9367	1.1552
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.3700	.4029	1.4473	1.5085	16.3865	44.5764	2.0906	.9501	1.1405
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.4200	.3755	1.5101	1.5620	14.8110	43.2177	1.9553	.9623	1.1254
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.4700	.3431	1.5741	1.6164	13.1371	41.4321	1.8219	.9730	1.1100
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.5200	.3052	1.6394	1.6721	11.3550	39.2324	1.6885	.9821	1.0941
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.5700	.2614	1.7062	1.7297	9.4514	37.2110	1.5491	.9894	1.0776
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.6200	.2106	1.7748	1.7892	7.4083	35.2593	1.4137	.9947	1.0603
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.6700	.1520	1.8456	1.8532	5.2018	34.0677	1.2784	.9981	1.0421
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.7200	.0841	1.9189	1.9212	2.7995	32.1244	1.1430	.9997	1.0226
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.7700	.0048	1.9956	1.9956	.1568	30.1153	1.0076	1.0000	1.0013
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6200	.0803	.6019	.6070	7.3766	85.2950	4.0542	.6690	1.4604
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6700	.2029	.6535	.6829	16.8497	75.2459	3.9134	.6832	1.4468
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7200	.2671	.7057	.7527	20.3564	75.2014	3.7726	.6974	1.4331
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7700	.3115	.7583	.8181	22.0286	72.1661	3.6316	.7115	1.4193
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8200	.3440	.8116	.8801	22.7577	69.4664	3.4910	.7254	1.4054
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8700	.3677	.8653	.9395	22.9128	67.0400	3.3502	.7391	1.3914
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9200	.3845	.9197	.9968	22.6721	64.8341	3.2094	.7525	1.3774
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9700	.3953	.9747	1.0526	22.1733	62.7749	3.0686	.7656	1.3632
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0200	.4008	1.0304	1.1071	21.4520	60.8419	2.9278	.7781	1.3489
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0700	.4013	1.0868	1.1607	20.5600	59.0171	2.7870	.7901	1.3345
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1200	.3971	1.1438	1.2136	19.5243	57.2900	2.6462	.8015	1.3198
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1700	.3883	1.2016	1.2661	18.3620	55.6574	2.5054	.8120	1.3050
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2200	.3749	1.2603	1.3184	17.0832	54.1230	2.3646	.8215	1.2900
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2700	.3568	1.3198	1.3709	15.6929	52.7002	2.2237	.8300	1.2747
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3200	.3338	1.3802	1.4237	14.1912	51.4163	2.0831	.8372	1.2590
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3700	.3056	1.4417	1.4772	12.5743	50.2231	1.9423	.8430	1.2430
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4200	.2717	1.5044	1.5317	10.8334	49.2196	1.8015	.8473	1.2265
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4700	.2316	1.5683	1.5877	8.9532	48.2054	1.6607	.8497	1.2094
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5200	.1841	1.6332	1.6457	6.9071	47.2638	1.5199	.8503	1.1915
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5700	.1274	1.7010	1.7066	4.6378	46.2971	1.3791	.8490	1.1727
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.6200	.0531	1.7704	1.7714	2.2787	45.2265	1.2383	.8457	1.1526
2.0	1.7728	1.1684	1.08	.6690	1.4948	.6700	.0246	.6523	.6527	2.0998	48.2415	3.8408	.6552	1.5662
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7200	.1677	.7042	.7231	13.1138	40.2445	3.6946	.6662	1.5513
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7700	.2264	.7567	.7887	16.7863	36.2496	3.5484	.6769	1.5373
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8200	.2647	.8098	.8508	17.8918	32.2627	3.4022	.6872	1.5227
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8700	.2910	.8632	.9102	18.4916	28.0020	3.2560	.6971	1.5080
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9200	.3084	.9173	.9675	18.5315	24.5745	3.1098	.7065	1.4932
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9700	.3187	.9721	1.0222	18.1667	21.8654	2.9646	.7153	1.4782
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0200	.3227	1.0275	1.0777	17.5567	19.6028	2.8173	.7234	1.4631
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0700	.3210	1.0835	1.1312	16.7012	17.6122	2.6711	.7307	1.4477
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1200	.3139	1.1403	1.1842	15.6672	16.0172	2.5249	.7370	1.4321
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1700	.3014	1.1979	1.2470	14.4460	14.0448	2.3787	.7423	1.4163
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2200	.2834	1.2562	1.3097	13.0781	11.9456	2.2325	.7464	1.4001
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2700	.2598	1.3155	1.3627	11.5641	9.9220	2.0863	.7491	1.3835
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3200	.2295	1.3752	1.4165	9.8033	8.2582	1.9401	.7504	1.3665
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3700	.1920	1.4372	1.4513	7.9762	6.8020	1.7939	.7500	1.3489
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4200	.1447	1.4997	1.5077	5.8165	5.2106	1.6477	.7479	1.3315
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4700	.0791	1.5641	1.5664	3.0798	3.4647	1.5015	.7439	1.3112

2.0	1.7728	1.1684	1.00	.5641	1.7728	1.7700	.0048	1.9956	1.9956	1.5627	10.1153	1.0072	1.0000	1.0013
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6200	.0803	.6019	.6070	1.3766	85.2950	4.0542	.6690	1.4604
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6700	.2029	.6535	.6824	16.8497	79.2459	3.9134	.6832	1.4408
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7200	.2671	.7057	.7527	20.3564	75.2014	3.7724	.6974	1.4331
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7700	.3115	.7583	.8181	22.0286	72.1661	3.6318	.7115	1.4193
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8200	.3440	.8116	.8801	22.7577	69.4664	3.4910	.7254	1.4054
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8700	.3677	.8652	.9395	22.9128	67.2490	3.3502	.7391	1.3914
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9200	.3845	.9197	.9968	22.6721	64.8341	3.2094	.7525	1.3776
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9700	.3953	.9747	1.0526	22.1733	62.1749	3.0686	.7656	1.3632
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0200	.4008	1.0304	1.1071	21.4520	60.2419	2.9278	.7781	1.3489
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0700	.4013	1.0868	1.1607	20.5600	59.0171	2.7870	.7901	1.3345
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1200	.3971	1.1438	1.2136	19.5243	57.2490	2.6462	.8015	1.3198
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1700	.3823	1.2016	1.2661	18.4620	55.2574	2.5054	.8120	1.3050
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2200	.3749	1.2603	1.3184	17.0832	52.1230	2.3646	.8215	1.2900
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2700	.3568	1.3198	1.3709	15.6929	50.7002	2.2238	.8300	1.2747
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3200	.3338	1.3802	1.4237	14.1912	51.4163	2.0831	.8372	1.2590
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3700	.3056	1.4417	1.4772	12.5743	50.2231	1.9423	.8430	1.2430
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4200	.2717	1.5044	1.5117	10.8334	49.2196	1.8015	.8473	1.2265
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4700	.2316	1.5683	1.5877	8.9542	49.2084	1.6607	.8497	1.2094
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5200	.1841	1.6358	1.6457	6.9071	49.2636	1.5199	.8503	1.1915
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5700	.1274	1.7010	1.7066	4.8578	52.2971	1.3791	.8490	1.1727
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.6200	.0531	1.7704	1.7714	1.8787	65.2265	1.2383	.8457	1.1526

2.0	1.7728	1.1684	1.08	.6690	1.4948	.6700	.0246	.6523	.6527	2.0998	82.2415	3.8408	.6552	1.5662
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7200	.1677	.7042	.7231	13.1138	80.2445	3.6946	.6662	1.5519
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7700	.2264	.7567	.7887	16.3863	76.2496	3.5484	.6769	1.5373
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8200	.2647	.8096	.8508	17.8918	72.2627	3.4022	.6872	1.5227
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8700	.2910	.8632	.9102	18.4916	70.2080	3.2560	.6971	1.5080
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9200	.3084	.9173	.9675	18.5315	68.2745	3.1098	.7065	1.4932
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9700	.3187	.9721	1.0222	17.1867	66.2854	2.9636	.7153	1.4782
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0200	.3227	1.0275	1.0777	17.5567	64.2028	2.8173	.7234	1.4631
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0700	.3210	1.0835	1.1312	16.7012	63.2122	2.6711	.7307	1.4477
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1200	.3139	1.1403	1.1842	15.6572	61.2179	2.5249	.7370	1.4321
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1700	.3014	1.1979	1.2370	14.4460	60.2448	2.3787	.7423	1.4163
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2200	.2834	1.2562	1.2897	13.0781	59.2456	2.2325	.7464	1.4001
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2700	.2596	1.3155	1.3427	11.5541	59.2201	2.0863	.7491	1.3835
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3200	.2295	1.3752	1.3965	9.8633	59.2582	1.9401	.7504	1.3665
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3700	.1920	1.4372	1.4513	7.9762	60.2520	1.7939	.7500	1.3489
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4200	.1447	1.4999	1.5077	5.8168	63.1606	1.6477	.7479	1.3305
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4700	.0791	1.5641	1.5664	3.0796	71.4647	1.5015	.7439	1.3112

2.0	1.7728	1.1684	1.12	.7460	1.3405	.7500	.0408	.7342	.7353	4.1111	87.4771	3.5256	.6422	1.6661
2.0	1.7728	1.1684	1.12	.7460	1.3405	.8000	.1415	.7867	.7989	10.0274	80.2183	3.3740	.6496	1.6503
2.0	1.7728	1.1684	1.12	.7460	1.3405	.8500	.1850	.8398	.8595	12.2793	77.2626	3.2224	.6563	1.6353
2.0	1.7728	1.1684	1.12	.7460	1.3405	.9000	.2108	.8935	.9177	13.1232	74.2855	3.0708	.6625	1.6197
2.0	1.7728	1.1684	1.12	.7460	1.3405	.9500	.2254	.9478	.9741	13.4471	72.2335	2.9192	.6679	1.6040
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.0000	.2313	1.0027	1.0292	13.0225	71.0204	2.7675	.6724	1.5880
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.0500	.2296	1.0582	1.0833	12.3363	69.2304	2.6159	.6760	1.5717
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.1000	.2209	1.1145	1.1368	11.3554	68.2889	2.4643	.6786	1.5552
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.1500	.2050	1.1716	1.1900	10.1094	68.2721	2.3127	.6799	1.5383
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.2000	.1814	1.2294	1.2434	8.5950	69.1070	2.1610	.6800	1.5210
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.2500	.1481	1.2862	1.2972	6.7565	70.2754	2.0094	.6785	1.5032
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.3000	.0994	1.3480	1.3520	4.3736	75.1561	1.8578	.6755	1.4848

2.0	1.7728	1.1684	1.16	.8864	1.1282	.8900	.0235	.8809	.8812	1.5155	88.2162	3.0047	.6250	1.7481
2.0	1.7728	1.1684	1.16	.8864	1.1282	.9400	.0796	.9349	.9382	4.8419	83.2652	2.8477	.6274	1.7314
2.0	1.7728	1.1684	1.16	.8864	1.1282	.9900	.0933	.9894	.9938	3.3819	81.5083	2.6906	.6288	1.7145
2.0	1.7728	1.1684	1.16	.8864	1.1282	1.0400	.0889	1.0447	1.0485	4.8419	81.2500	2.5336	.6292	1.6973
2.0	1.7728	1.1684	1.16	.8864	1.1282	1.0900	.0658	1.1006	1.1026	3.4561	83.2480	2.3766	.6283	1.6796

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LCCF PRNGCT (MI FROM 1 TO 5)

GAMMA = 1.2

MI	DEL	DEL MAX	DEL	X MAX	X (M2U)	Y (M2V)	M2U	M2V	THEIA	SILMA	PK21	PIR21	IR21
2.5	1.00	1.2715	1.00	2.0569	4900	0.710	4725	4715	2.2409	77.4066	6.7133	4171	1.58H
2.5	1.00	1.2715	1.00	2.0569	5400	0.611	5235	5215	2.2409	77.4066	6.5315	4330	1.571H
2.5	1.00	1.2715	1.00	2.0569	5900	0.557	5751	5735	2.2409	77.4066	6.3877	4493	1.554H
2.5	1.00	1.2715	1.00	2.0569	6400	0.524	6271	6251	2.2409	77.4066	6.2644	4661	1.537H
2.5	1.00	1.2715	1.00	2.0569	6900	0.517	6800	6781	2.2409	77.4066	6.1641	4835	1.520H
2.5	1.00	1.2715	1.00	2.0569	7400	0.521	7354	7334	2.2409	77.4066	6.0194	5012	1.503H
2.5	1.00	1.2715	1.00	2.0569	7900	0.558	7875	7854	2.2409	77.4066	5.8971	5195	1.486H
2.5	1.00	1.2715	1.00	2.0569	8400	0.612	8475	8454	2.2409	77.4066	5.7994	5379	1.469H
2.5	1.00	1.2715	1.00	2.0569	8900	0.632	8979	8959	2.2409	77.4066	5.7226	5564	1.452H
2.5	1.00	1.2715	1.00	2.0569	9400	0.657	9534	9514	2.2409	77.4066	5.6647	5749	1.435H
2.5	1.00	1.2715	1.00	2.0569	9900	0.677	1.0680	1.0660	2.2409	77.4066	5.6220	5934	1.418H
2.5	1.00	1.2715	1.00	2.0569	1.0900	0.672	1.1263	1.1243	2.2409	77.4066	5.5994	6119	1.400H
2.5	1.00	1.2715	1.00	2.0569	1.1900	0.673	1.2454	1.2434	2.2409	77.4066	5.5994	6304	1.383H
2.5	1.00	1.2715	1.00	2.0569	1.2900	0.671	1.3645	1.3625	2.2409	77.4066	5.6220	6489	1.366H
2.5	1.00	1.2715	1.00	2.0569	1.3900	0.659	1.4836	1.4816	2.2409	77.4066	5.6647	6674	1.349H
2.5	1.00	1.2715	1.00	2.0569	1.4900	0.657	1.6027	1.6007	2.2409	77.4066	5.7226	6859	1.332H
2.5	1.00	1.2715	1.00	2.0569	1.5900	0.629	1.7218	1.7198	2.2409	77.4066	5.7994	7044	1.315H
2.5	1.00	1.2715	1.00	2.0569	1.6900	0.610	1.8409	1.8389	2.2409	77.4066	5.8971	7229	1.298H
2.5	1.00	1.2715	1.00	2.0569	1.7900	0.587	1.9600	1.9580	2.2409	77.4066	6.0194	7414	1.281H
2.5	1.00	1.2715	1.00	2.0569	1.8900	0.560	2.0791	2.0771	2.2409	77.4066	6.1641	7599	1.264H
2.5	1.00	1.2715	1.00	2.0569	1.9900	0.535	2.1982	2.1962	2.2409	77.4066	6.3220	7784	1.247H
2.5	1.00	1.2715	1.00	2.0569	2.0900	0.509	2.3173	2.3153	2.2409	77.4066	6.4847	7969	1.230H
2.5	1.00	1.2715	1.00	2.0569	2.1900	0.484	2.4364	2.4344	2.2409	77.4066	6.6520	8154	1.213H
2.5	1.00	1.2715	1.00	2.0569	2.2900	0.459	2.5555	2.5535	2.2409	77.4066	6.8244	8339	1.196H
2.5	1.00	1.2715	1.00	2.0569	2.3900	0.434	2.6746	2.6726	2.2409	77.4066	7.0019	8524	1.179H
2.5	1.00	1.2715	1.00	2.0569	2.4900	0.409	2.7937	2.7917	2.2409	77.4066	7.1844	8709	1.162H
2.5	1.00	1.2715	1.00	2.0569	2.5900	0.384	2.9128	2.9108	2.2409	77.4066	7.3719	8894	1.145H
2.5	1.00	1.2715	1.00	2.0569	2.6900	0.359	3.0319	3.0299	2.2409	77.4066	7.5644	9079	1.128H
2.5	1.00	1.2715	1.00	2.0569	2.7900	0.334	3.1510	3.1490	2.2409	77.4066	7.7619	9264	1.111H
2.5	1.00	1.2715	1.00	2.0569	2.8900	0.309	3.2701	3.2681	2.2409	77.4066	7.9644	9449	1.094H
2.5	1.00	1.2715	1.00	2.0569	2.9900	0.284	3.3892	3.3872	2.2409	77.4066	8.1719	9634	1.077H
2.5	1.00	1.2715	1.00	2.0569	3.0900	0.259	3.5083	3.5063	2.2409	77.4066	8.3844	9819	1.060H
2.5	1.00	1.2715	1.00	2.0569	3.1900	0.234	3.6274	3.6254	2.2409	77.4066	8.5969	10004	1.043H
2.5	1.00	1.2715	1.00	2.0569	3.2900	0.209	3.7465	3.7445	2.2409	77.4066	8.8144	10189	1.026H
2.5	1.00	1.2715	1.00	2.0569	3.3900	0.184	3.8656	3.8636	2.2409	77.4066	9.0319	10374	1.009H
2.5	1.00	1.2715	1.00	2.0569	3.4900	0.159	3.9847	3.9827	2.2409	77.4066	9.2544	10559	0.992H
2.5	1.00	1.2715	1.00	2.0569	3.5900	0.134	4.1038	4.1018	2.2409	77.4066	9.4819	10744	0.975H
2.5	1.00	1.2715	1.00	2.0569	3.6900	0.109	4.2229	4.2209	2.2409	77.4066	9.7144	10929	0.958H
2.5	1.00	1.2715	1.00	2.0569	3.7900	0.084	4.3420	4.3400	2.2409	77.4066	9.9519	11114	0.941H
2.5	1.00	1.2715	1.00	2.0569	3.8900	0.059	4.4611	4.4591	2.2409	77.4066	10.1944	11299	0.924H
2.5	1.00	1.2715	1.00	2.0569	3.9900	0.034	4.5802	4.5782	2.2409	77.4066	10.4419	11484	0.907H
2.5	1.00	1.2715	1.00	2.0569	4.0900	0.009	4.6993	4.6973	2.2409	77.4066	10.6944	11669	0.890H
2.5	1.00	1.2715	1.00	2.0569	4.1900	0.000	4.8184	4.8164	2.2409	77.4066	10.9519	11854	0.873H
2.5	1.00	1.2715	1.00	2.0569	4.2900	0.000	4.9375	4.9355	2.2409	77.4066	11.2144	12039	0.856H
2.5	1.00	1.2715	1.00	2.0569	4.3900	0.000	5.0566	5.0546	2.2409	77.4066	11.4819	12224	0.839H
2.5	1.00	1.2715	1.00	2.0569	4.4900	0.000	5.1757	5.1737	2.2409	77.4066	11.7544	12409	0.822H
2.5	1.00	1.2715	1.00	2.0569	4.5900	0.000	5.2948	5.2928	2.2409	77.4066	12.0319	12594	0.805H
2.5	1.00	1.2715	1.00	2.0569	4.6900	0.000	5.4139	5.4119	2.2409	77.4066	12.3144	12779	0.788H
2.5	1.00	1.2715	1.00	2.0569	4.7900	0.000	5.5330	5.5310	2.2409	77.4066	12.6019	12964	0.771H
2.5	1.00	1.2715	1.00	2.0569	4.8900	0.000	5.6521	5.6501	2.2409	77.4066	12.8944	13149	0.754H
2.5	1.00	1.2715	1.00	2.0569	4.9900	0.000	5.7712	5.7692	2.2409	77.4066	13.1919	13334	0.737H
2.5	1.00	1.2715	1.00	2.0569	5.0900	0.000	5.8903	5.8883	2.2409	77.4066	13.4944	13519	0.720H
2.5	1.00	1.2715	1.00	2.0569	5.1900	0.000	6.0094	6.0074	2.2409	77.4066	13.8019	13704	0.703H
2.5	1.00	1.2715	1.00	2.0569	5.2900	0.000	6.1285	6.1265	2.2409	77.4066	14.1044	13889	0.686H
2.5	1.00	1.2715	1.00	2.0569	5.3900	0.000	6.2476	6.2456	2.2409	77.4066	14.4119	14074	0.669H
2.5	1.00	1.2715	1.00	2.0569	5.4900	0.000	6.3667	6.3647	2.2409	77.4066	14.7244	14259	0.652H
2.5	1.00	1.2715	1.00	2.0569	5.5900	0.000	6.4858	6.4838	2.2409	77.4066	15.0319	14444	0.635H
2.5	1.00	1.2715	1.00	2.0569	5.6900	0.000	6.6049	6.6029	2.2409	77.4066	15.3444	14629	0.618H
2.5	1.00	1.2715	1.00	2.0569	5.7900	0.000	6.7240	6.7220	2.2409	77.4066	15.6569	14814	0.601H
2.5	1.00	1.2715	1.00	2.0569	5.8900	0.000	6.8431	6.8411	2.2409	77.4066	15.9694	15000	0.584H
2.5	1.00	1.2715	1.00	2.0569	5.9900	0.000	6.9622	6.9602	2.2409	77.4066	16.2819	15185	0.567H
2.5	1.00	1.2715	1.00	2.0569	6.0900	0.000	7.0813	7.0793	2.2409	77.4066	16.5944	15370	0.550H
2.5	1.00	1.2715	1.00	2.0569	6.1900	0.000	7.2004	7.1984	2.2409	77.4066	16.9069	15555	0.533H
2.5	1.00	1.2715	1.00	2.0569	6.2900	0.000	7.3195	7.3175	2.2409	77.4066	17.2194	15740	0.516H
2.5	1.00	1.2715	1.00	2.0569	6.3900	0.000	7.4386	7.4366	2.2409	77.4066	17.5319	15925	0.499H
2.5	1.00	1.2715	1.00	2.0569	6.4900	0.000	7.5577	7.5557	2.2409	77.4066	17.8444	16110	0.482H
2.5	1.00	1.2715	1.00	2.0569	6.5900	0.000	7.6768	7.6748	2.2409	77.4066	18.1569	16295	0.465H
2.5	1.00	1.2715	1.00	2.0569	6.6900	0.000	7.7959	7.7939	2.2409	77.4066	18.4694	16480	0.448H
2.5	1.00	1.2715	1.00	2.0569	6.7900	0.000	7.9150	7.9130	2.2409	77.4066	18.7819	16665	0.431H
2.5	1.00	1.2715	1.00	2.0569	6.8900	0.000	8.0341	8.0321	2.2409	77.4066	19.0944	16850	0.414H
2.5	1.00	1.2715	1.00	2.0569	6.9900	0.000	8.1532	8.1512	2.2409	77.4066	19.4069	17035	0.397H
2.5	1.00	1.2715	1.00	2.0569	7.0900	0.000	8.2723	8.2703	2.2409	77.4066	19.7194	17220	0.380H
2.5	1.00	1.2715	1.00	2.0569	7.1900	0.000	8.3914	8.3894	2.2409	77.4066	20.0319	17405	0.363H
2.5	1.00	1.2715	1.00	2.0569	7.2900	0.000	8.5105	8.5085	2.2409	77.4066	20.3444	17590	0.346H
2.5	1.00	1.2715	1.00	2.0569	7.3900	0.000	8.6296	8.6276	2.2409	77.4066	20.6569	17775	0.329H
2.5	1.00	1.2715	1.00	2.0569	7.4900	0.000	8.7487	8.7467	2.2409	77.4066	20.9694	17960	0.312H
2.5	1.00	1.2715	1.00	2.0569	7.5900	0.000	8.8678	8.8658	2.2409	77.4066	21.2819	18145	0.295H
2.5	1.00	1.2715	1.00	2.0569	7.6900	0.000	8.9869	8.9849	2.2409	77.4066	21.5944	18330	0.278H
2.5	1.00	1.2715	1.00	2.0569	7.7900	0.000	9.1060	9.1040	2.2409	77.4066	21.9069	18515	0.261H
2.5	1.00	1.2715	1.00	2.0569	7.8900	0.000	9.2251	9.2231	2.2409	77.4066	22.2194	18700	0.244H
2.5	1.00	1.2715	1.00	2.0569	7.9900	0.000	9.3442	9.3422	2.2409	77.4066	22.531		

2	0569	2	2715	1	6722	1	6000	0	440	5	217	1	252	1	1010	1	9713
2	0569	2	2715	1	6722	1	6500	0	2027	5	6334	1	2027	1	4110	1	9527
2	0569	2	2715	1	6722	1	7000	0	3357	5	7341	1	3357	1	4217	1	9323
2	0569	2	2715	1	6722	1	7500	0	4041	5	8442	1	4041	1	4317	1	9133
2	0569	2	2715	1	6722	1	8000	0	4263	5	8996	1	4263	1	4420	1	8943
2	0569	2	2715	1	6722	1	8500	0	4429	5	9517	1	4429	1	4519	1	8743
2	0569	2	2715	1	6722	1	9000	0	4529	5	1014	1	4529	1	4610	1	8546
2	0569	2	2715	1	6722	1	9500	0	4584	5	0662	1	4584	1	4710	1	8349
2	0569	2	2715	1	6722	1	1000	0	4594	5	1239	1	4594	1	4804	1	8151
2	0569	2	2715	1	6722	1	1500	0	4559	5	1812	1	4559	1	4909	1	7951
2	0569	2	2715	1	6722	1	2000	0	4474	5	2404	1	4474	1	5092	1	7754
2	0569	2	2715	1	6722	1	2500	0	4353	5	2904	1	4353	1	5222	1	7547
2	0569	2	2715	1	6722	1	3000	0	4180	5	3601	1	4180	1	5352	1	7347
2	0569	2	2715	1	6722	1	3500	0	3954	5	4214	1	3954	1	5483	1	7137
2	0569	2	2715	1	6722	1	4000	0	3684	5	4836	1	3684	1	5627	1	6924
2	0569	2	2715	1	6722	1	4500	0	3351	5	5476	1	3351	1	5786	1	6716
2	0569	2	2715	1	6722	1	5000	0	2940	5	6176	1	2940	1	5904	1	6500
2	0569	2	2715	1	6722	1	5500	0	2460	5	6776	1	2460	1	6092	1	6216
2	0569	2	2715	1	6722	1	6000	0	1851	5	7451	1	1851	1	6283	1	6054
2	0569	2	2715	1	6722	1	6500	0	0943	5	8147	1	0943	1	6404	1	5827
2	0569	2	2715	1	6722	1	7000	0	0450	5	8847	1	0450	1	6527	1	5571
2	0569	2	2715	1	6722	1	7500	0	1896	5	9579	1	1896	1	6654	1	5301
2	0569	2	2715	1	6722	1	8000	0	2555	5	1034	1	2555	1	6786	1	5036
2	0569	2	2715	1	6722	1	8500	0	3319	5	1784	1	3319	1	6924	1	4719
2	0569	2	2715	1	6722	1	9000	0	3348	5	2430	1	3348	1	7062	1	4446
2	0569	2	2715	1	6722	1	9500	0	3704	5	3119	1	3704	1	7200	1	4173
2	0569	2	2715	1	6722	1	10000	0	3834	5	3873	1	3834	1	7338	1	3903
2	0569	2	2715	1	6722	1	15000	0	3817	5	4571	1	3817	1	7476	1	3628
2	0569	2	2715	1	6722	1	20000	0	3622	5							

LCCP BRANCH (MI FROM 1 TO 5)

[illegible]

[illegible]

3.5	2.4609	1.4336	1.24	.5759	1.7364	1.4300	.4236	1.5931	1.6571	1.7104	14.1448	60.4374	4.3674	.1678	2.6668
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.5300	.3857	1.6585	1.7104	14.1448	60.4374	4.3674	.1678	2.6668	
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.5800	.3393	1.7251	1.7644	12.1216	61.0705	3.9970	.1675	2.6049	
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.6300	.2815	1.7931	1.8196	9.7999	64.1065	3.6267	.1663	2.5702	
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.6800	.2047	1.8626	1.8764	6.9548	67.2595	3.2563	.1640	2.5363	
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.7300	.0686	1.9339	1.9354	2.2695	81.2709	2.8460	.1605	2.4879	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.6200	.0633	.6019	.6050	5.8253	87.2709	10.4595	.1121	3.5167	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.6700	.2159	.6537	.6868	17.2642	41.2357	10.5773	.1149	3.4812	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.7200	.2906	.7061	.7614	21.9773	78.1078	10.1950	.1178	3.4457	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.7700	.3427	.7591	.8309	23.9895	76.2957	9.8127	.1207	3.4100	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.8200	.3816	.8126	.8963	24.9550	74.2740	9.4304	.1236	3.3743	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.8700	.4111	.8668	.9587	25.2946	72.2149	9.0481	.1264	3.3386	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.9200	.4333	.9216	1.0187	25.2190	70.5552	8.6658	.1292	3.3027	
3.5	2.4609	1.4336	1.28	.6156	1.6245	.9700	.4492	.9770	1.0767	24.8466	69.5600	8.2835	.1318	3.2668	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.0200	.4595	1.0331	1.1330	24.2488	68.2107	7.9012	.1344	3.2307	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.0700	.4646	1.0898	1.1781	23.4705	67.1991	7.5184	.1369	3.1945	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.1200	.4646	1.1473	1.2422	22.5395	66.2257	7.1366	.1391	3.1581	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.1700	.4602	1.2055	1.2754	21.4729	65.2986	6.7543	.1412	3.1216	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.2200	.4508	1.2645	1.3481	20.2792	64.4354	6.3720	.1430	3.0848	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.2700	.4363	1.3243	1.4003	19.9600	64.2655	5.9897	.1445	3.0478	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.3200	.4164	1.3849	1.4522	17.5097	64.0356	5.6074	.1457	3.0105	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.3700	.3906	1.4465	1.5041	15.9144	64.1200	5.2251	.1464	2.9729	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.4200	.3579	1.5090	1.5562	14.1477	64.6401	4.8428	.1466	2.9347	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.4700	.3168	1.5725	1.6086	12.1615	65.2087	4.4605	.1462	2.8961	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.5200	.2641	1.6372	1.6617	9.8582	66.0427	4.0783	.1452	2.8566	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.5700	.1924	1.7031	1.7158	6.9868	72.2629	3.6960	.1433	2.8163	
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.6200	.0553	1.7705	1.7715	1.9556	84.2101	3.3137	.1405	2.7747	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.6700	.0761	.6524	.6566	6.4801	87.0404	10.4172	.1106	3.7166	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.7200	.2016	.7046	.7317	15.6447	41.5293	10.0229	.1130	3.6798	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.7700	.2660	.7574	.8013	19.0554	79.0289	9.6287	.1153	3.6429	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.8200	.3099	.8107	.8666	20.7054	76.0051	9.2344	.1175	3.6060	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.8700	.3416	.8646	.9288	21.4351	74.5689	8.8402	.1197	3.5690	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.9200	.3641	.9190	.9884	21.5928	73.4071	8.4460	.1218	3.5318	
3.5	2.4609	1.4336	1.32	.6623	1.5099	.9700	.3793	.9741	1.0460	21.3566	72.0665	8.0517	.1237	3.4945	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.0200	.3880	1.0299	1.1019	20.8272	70.5228	7.6575	.1255	3.4571	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.0700	.3908	1.0863	1.1565	20.0644	69.4695	7.2632	.1271	3.4195	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.1200	.3879	1.1454	1.2100	19.1035	69.2146	6.8690	.1285	3.3817	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.1700	.3793	1.2012	1.2628	17.9629	68.0813	6.4742	.1296	3.3437	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.2200	.3648	1.2598	1.3149	16.6479	68.4120	6.0805	.1305	3.3054	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.2700	.3439	1.3171	1.3666	15.1503	68.4777	5.6863	.1309	3.2667	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.3200	.3156	1.3773	1.4182	13.4445	68.5983	5.2920	.1310	3.2277	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.3700	.2781	1.4404	1.4698	11.4750	70.1881	4.8978	.1305	3.1881	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.4200	.2279	1.5025	1.5218	9.1171	72.4822	4.5036	.1295	3.1479	
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.4700	.1544	1.5657	1.5743	5.9965	77.0586	4.1093	.1279	3.1068	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.7300	.0740	.7137	.7174	5.7874	86.4316	9.7697	.1088	3.9139	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.7800	.1786	.7663	.7862	12.8989	82.2519	9.3635	.1106	3.8758	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.8300	.2316	.8195	.8508	15.5901	79.1465	8.9573	.1123	3.8376	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.8800	.2659	.8733	.9122	16.8109	77.0051	8.5511	.1139	3.7992	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.9300	.2883	.9276	.9711	17.2240	76.2725	8.1449	.1153	3.7607	
3.5	2.4609	1.4336	1.36	.7206	1.3877	.9800	.3017	.9825	1.0280	17.1091	75.0561	7.7387	.1165	3.7220	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.0300	.3072	1.0381	1.0843	16.6084	74.1242	7.3325	.1176	3.6831	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.0800	.3056	1.0943	1.1373	15.7979	73.4797	6.9263	.1184	3.6440	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.1300	.2968	1.1512	1.1902	14.7149	73.1564	6.5202	.1190	3.6047	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.1800	.2804	1.2088	1.2425	13.5666	73.2263	6.1140	.1192	3.5650	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.2300	.2553	1.2672	1.2942	11.7274	73.2239	5.7078	.1191	3.5250	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.2800	.2192	1.3263	1.3456	9.7163	75.2121	5.3016	.1186	3.4844	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.3300	.1657	1.3863	1.3971	7.1003	78.0123	4.8954	.1176	3.4433	
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.3800	.0620	1.4473	1.4487	2.5727	85.1465	4.4892	.1161	3.4014	
3.5	2.4609	1.4336	1.40	.8035	1.2446	.8100	.0498	.7965	.7980	3.5216	87.0520	4.2262	.1066	4.0992	
3.5	2.4609	1.4336	1.40	.8035	1.2446	.8600	.1377	.8498	.8606	9.0995	83.2577	4.0081	.1077	4.0603	
3.5	2.4609	1.4336	1.40	.8035	1.2446	.9100	.1757	.9037	.9203	10.7299	81.4573	3.8000	.1086	4.0205	
3.5	2.4609	1.4336	1.40	.8035	1.2446	.9600	.1956	.9581	.9776	11.5189	80.0903	3.6712	.1094	3.9805	
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.0100	.2031	1.0131	1.0334	11.3691	79.2515	3.5537	.1099	3.9402	
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.0600	.1977	1.0688	1.0876	10.6699	78.5204	3.4355	.1102	3.8977	
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.1100	.1853	1.1251	1.1407	9.4767	79.1344	3.3174	.1102	3.8589	
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.1600	.1573	1.1821	1.1929	7.7230	80.2954	3.1993	.1099	3.8177	
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.2100	.1065	1.2394	1.2446	5.0312	83.0182	3.0811	.1092	3.7761	

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2.6018	1.4931	1.20	.5039	1.9845	.5100	.0916	.4923	.5002	10.1768	87.1898	15.6837	.0589	3.6526
2.6018	1.4931	1.20	.5039	1.9845	.5600	.2725	.5436	.6045	25.9453	81.4629	15.2409	.0612	3.6120
2.6018	1.4931	1.20	.5039	1.9845	.6100	.3676	.5955	.6453	31.0772	75.2343	14.7981	.0636	3.5713
2.6018	1.4931	1.20	.5039	1.9845	.6600	.4372	.6480	.7773	33.5223	75.2386	14.5554	.0661	3.5307
2.6018	1.4931	1.20	.5039	1.9845	.7100	.4922	.7012	.8531	34.7294	73.5334	13.9126	.0687	3.4900
2.6018	1.4931	1.20	.5039	1.9845	.7600	.5370	.7550	.9244	35.2450	71.2081	13.4698	.0713	3.4493
2.6018	1.4931	1.20	.5039	1.9845	.8100	.5741	.8094	.9921	35.3296	69.2332	13.0270	.0741	3.4085
2.6018	1.4931	1.20	.5039	1.9845	.8600	.6050	.8646	1.0571	35.1247	67.2332	12.5843	.0769	3.3677
2.6018	1.4931	1.20	.5039	1.9845	.9100	.6304	.9204	1.1198	34.7142	66.7171	12.1415	.0798	3.3269
2.6018	1.4931	1.20	.5039	1.9845	.9600	.6512	.9770	1.1806	34.1504	65.2388	11.6987	.0829	3.2860
2.6018	1.4931	1.20	.5039	1.9845	1.0100	.6677	1.0344	1.2400	33.4677	63.9360	11.2560	.0859	3.2451
2.6018	1.4931	1.20	.5039	1.9845	1.0600	.6802	1.0925	1.2981	32.6292	62.2498	10.8132	.0891	3.2041
2.6018	1.4931	1.20	.5039	1.9845	1.1100	.6891	1.1514	1.3553	31.8307	61.4243	10.3704	.0923	3.1630
2.6018	1.4931	1.20	.5039	1.9845	1.1600	.6943	1.2112	1.4116	30.9028	60.5556	9.9276	.0956	3.1219
2.6018	1.4931	1.20	.5039	1.9845	1.2100	.6961	1.2718	1.4673	29.9127	59.1418	9.4849	.0989	3.0807
2.6018	1.4931	1.20	.5039	1.9845	1.2600	.6945	1.3334	1.5225	28.8648	58.0827	9.0421	.1023	3.0394
2.6018	1.4931	1.20	.5039	1.9845	1.3100	.6896	1.3958	1.5774	27.7616	57.0800	8.5993	.1056	2.9981
2.6018	1.4931	1.20	.5039	1.9845	1.3600	.6811	1.4572	1.6320	26.6035	56.1376	8.1565	.1089	2.9569
2.6018	1.4931	1.20	.5039	1.9845	1.4100	.6692	1.5236	1.6865	25.3896	55.4621	7.7138	.1121	2.9156
2.6018	1.4931	1.20	.5039	1.9845	1.4600	.6536	1.5891	1.7411	24.1170	54.4633	7.2710	.1153	2.8731
2.6018	1.4931	1.20	.5039	1.9845	1.5100	.6342	1.6557	1.7958	22.7813	53.7560	6.8282	.1182	2.8311
2.6018	1.4931	1.20	.5039	1.9845	1.5600	.6106	1.7234	1.8507	21.3761	53.1619	6.3854	.1210	2.7884
2.6018	1.4931	1.20	.5039	1.9845	1.6100	.5826	1.7924	1.9061	19.8922	52.7130	5.9427	.1235	2.7462
2.6018	1.4931	1.20	.5039	1.9845	1.6600	.5495	1.8627	1.9621	18.3171	52.4577	5.4999	.1256	2.7033
2.6018	1.4931	1.20	.5039	1.9845	1.7100	.5108	1.9343	2.0188	16.6330	52.4725	5.0571	.1273	2.6599
2.6018	1.4931	1.20	.5039	1.9845	1.7600	.4655	2.0076	2.0766	14.8139	52.5833	4.6143	.1284	2.6159
2.6018	1.4931	1.20	.5039	1.9845	1.8100	.4119	2.0825	2.1357	12.8192	52.5137	4.1716	.1287	2.5712
2.6018	1.4931	1.20	.5039	1.9845	1.8600	.3474	2.1593	2.1867	10.5783	56.0051	3.7285	.1282	2.5254
2.6018	1.4931	1.20	.5039	1.9845	1.9100	.2664	2.2384	2.2601	7.9396	60.1479	3.2860	.1265	2.4782
2.6018	1.4931	1.20	.5039	1.9845	1.9600	.1498	2.3202	2.3270	4.3718	76.1507	2.8632	.1235	2.4282

4.00	2.6018	1.4931	1.24	.5334	1.8748	.5400	.0905	.5220	.5293	9.5105	87.1171	15.2586	.0583	3.8838
4.00	2.6018	1.4931	1.24	.5334	1.8748	.5900	.2596	.5735	.6265	23.7494	81.5453	14.5011	.0604	3.8468
4.00	2.6018	1.4931	1.24	.5334	1.8748	.6400	.3488	.6255	.7124	28.5922	78.5809	14.3436	.0625	3.8047
4.00	2.6018	1.4931	1.24	.5334	1.8748	.6900	.4136	.6781	.7906	30.9386	75.8992	13.8860	.0647	3.7626
4.00	2.6018	1.4931	1.24	.5334	1.8748	.7400	.4642	.7314	.8634	32.1026	73.7857	13.4285	.0669	3.7204
4.00	2.6018	1.4931	1.24	.5334	1.8748	.7900	.5051	.7853	.9320	32.5924	71.5128	12.9710	.0692	3.6792
4.00	2.6018	1.4931	1.24	.5334	1.8748	.8400	.5383	.8398	.9975	32.6547	70.2145	12.5134	.0716	3.6360
4.00	2.6018	1.4931	1.24	.5334	1.8748	.8900	.5654	.8950	1.0603	32.4251	68.6517	12.0559	.0740	3.5937
4.00	2.6018	1.4931	1.24	.5334	1.8748	.9400	.5870	.9509	1.1211	31.9849	67.1956	11.5984	.0764	3.5514
4.00	2.6018	1.4931	1.24	.5334	1.8748	.9900	.6039	1.0075	1.1802	31.3850	65.8418	11.1408	.0789	3.5090
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.0400	.6165	1.0649	1.2379	30.6591	64.5677	10.6833	.0814	3.4665
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.0900	.6250	1.1230	1.2945	29.8294	63.3703	10.2258	.0839	3.4240
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.1400	.6296	1.1819	1.3501	28.9109	62.2460	9.7682	.0864	3.3814
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.1900	.6304	1.2416	1.4050	27.9136	61.1938	9.3107	.0888	3.3387
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.2400	.6276	1.3021	1.4594	26.8435	60.2157	8.8532	.0913	3.2958
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.2900	.6209	1.3635	1.5133	25.7037	59.2165	8.3956	.0937	3.2528
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.3400	.6105	1.4259	1.5666	24.4947	58.2047	7.9381	.0959	3.2097
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.3900	.5962	1.4892	1.6204	23.2146	57.1933	7.4806	.0981	3.1664
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.4400	.5777	1.5535	1.6733	21.8591	57.1022	7.0230	.1001	3.1229
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.4900	.5547	1.6184	1.7273	20.4211	56.1602	6.5655	.1018	3.0791
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.5400	.5269	1.6852	1.7812	18.8296	56.2110	6.1080	.1033	3.0349
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.5900	.4937	1.7529	1.8354	17.2489	56.2215	5.6504	.1044	2.9903
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.6400	.4546	1.8217	1.8903	15.4751	56.2945	5.1929	.1051	2.9454
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.6900	.4067	1.8920	1.9460	13.5307	57.2259	4.7354	.1053	2.8996
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.7400	.3493	1.9638	2.0030	11.3509	59.6464	4.2778	.1048	2.8531
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.7900	.2771	2.0374	2.0616	8.2012	63.1076	3.8203	.1036	2.8054
4.00	2.6018	1.4931	1.24	.5334	1.8748	1.8400	.1763	2.1129	2.1226	5.4724	70.4503	3.3628	.1014	2.7566

44.000	2.6018	1.4931	1.28	.5659	1.7570	.5700	.6671	.5518	.5556	6.7152	47.6720	14.8159	.0576	4.1323
44.000	2.6018	1.4931	1.28	.5659	1.7670	.6200	.2394	.6034	.6468	21.1142	48.6879	14.5436	.0594	4.0084
44.000	2.6018	1.4931	1.28	.5659	1.7670	.6700	.3244	.6535	.7283	25.2350	48.7421	13.6713	.0612	4.0084
44.000	2.6018	1.4931	1.28	.5659	1.7670	.7200	.4250	.7034	.8032	28.1367	46.516	13.5940	.0631	4.0017
44.000	2.6018	1.4931	1.28	.5659	1.7670	.7700	.4317	.7614	.8732	29.2790	44.548	12.5267	.0650	3.9541
44.000	2.6018	1.4931	1.28	.5659	1.7670	.8200	.4647	.8156	.9394	29.7510	42.4243	12.4544	.0670	3.9144
44.000	2.6018	1.4931	1.28	.5659	1.7670	.8700	.4921	.8702	1.0027	29.7217	40.1220	11.4821	.0689	3.8766
44.000	2.6018	1.4931	1.28	.5659	1.7670	.9200	.5212	.9255	1.0637	29.5435	36.1038	11.5094	.0709	3.8269
44.000	2.6018	1.4931	1.28	.5659	1.7670	.9700	.5549	.9814	1.1227	29.0570	37.5383	11.6275	.0724	3.7869

$\gamma = 1.2$

[illegible]

2.7136	1.5411	1.08	.4090	2.4448	.4100	.0432	.3940	.3962	6.0090	88.768	21.3348	.0306	3.4734
2.7136	1.5411	1.08	.4090	2.4448	.4600	.3097	.4449	.5363	3.9467	81.008	20.8512	.0323	3.4297
2.7136	1.5411	1.08	.4090	2.4448	.5100	.4300	.4964	.6493	40.1376	78.4334	20.3676	.0341	3.3856
2.7136	1.5411	1.08	.4090	2.4448	.5600	.5186	.5427	.7478	42.8045	75.0099	19.8841	.0360	3.3415
2.7136	1.5411	1.08	.4090	2.4448	.6100	.5900	.6016	.8370	44.0448	73.5733	19.4005	.0380	3.2974
2.7136	1.5411	1.08	.4090	2.4448	.6600	.6498	.6554	.9197	44.5528	71.5813	18.9170	.0402	3.2532
2.7136	1.5411	1.08	.4090	2.4448	.7100	.7010	.7098	.9975	44.6333	69.7608	18.4334	.0425	3.2091
2.7136	1.5411	1.08	.4090	2.4448	.7600	.7453	.7651	1.0716	44.4423	68.0685	17.9498	.0450	3.1649
2.7136	1.5411	1.08	.4090	2.4448	.8100	.7841	.8212	1.1429	44.0679	66.4760	17.4663	.0476	3.1207
2.7136	1.5411	1.08	.4090	2.4448	.8600	.8179	.8781	1.2119	43.5639	64.9637	16.9827	.0504	3.0765
2.7136	1.5411	1.08	.4090	2.4448	.9100	.8475	.9359	1.2790	42.9644	63.5172	16.4991	.0534	3.0323
2.7136	1.5411	1.08	.4090	2.4448	.9600	.8733	.9946	1.3446	42.2924	62.1257	16.0156	.0567	2.9881
2.7136	1.5411	1.08	.4090	2.4448	1.0100	.8956	1.0543	1.4090	41.5634	60.7808	15.5320	.0601	2.9439
2.7136	1.5411	1.08	.4090	2.4448	1.0600	.9146	1.1149	1.4725	40.7885	59.4756	15.0484	.0638	2.8997
2.7136	1.5411	1.08	.4090	2.4448	1.1100	.9306	1.1765	1.5352	39.9753	58.2049	14.5649	.0677	2.8554
2.7136	1.5411	1.08	.4090	2.4448	1.1600	.9437	1.2391	1.5974	39.1293	56.9641	14.0813	.0719	2.8111
2.7136	1.5411	1.08	.4090	2.4448	1.2100	.9540	1.3028	1.6591	38.2545	55.7494	13.5978	.0763	2.7668
2.7136	1.5411	1.08	.4090	2.4448	1.2600	.9617	1.3677	1.7205	37.3535	54.5578	13.1142	.0811	2.7224
2.7136	1.5411	1.08	.4090	2.4448	1.3100	.9668	1.4337	1.7818	36.4282	53.3864	12.6306	.0862	2.6781
2.7136	1.5411	1.08	.4090	2.4448	1.3600	.9693	1.5009	1.8431	35.4795	52.2332	12.1471	.0917	2.6337
2.7136	1.5411	1.08	.4090	2.4448	1.4100	.9694	1.5694	1.9044	34.5079	51.0961	11.6635	.0975	2.5893
2.7136	1.5411	1.08	.4090	2.4448	1.4600	.9668	1.6391	1.9660	33.5134	49.9736	11.1799	.1037	2.5448
2.7136	1.5411	1.08	.4090	2.4448	1.5100	.9618	1.7103	2.0278	32.4955	48.8645	10.6964	.1103	2.5003
2.7136	1.5411	1.08	.4090	2.4448	1.5600	.9542	1.7829	2.0900	31.4532	47.7678	10.2128	.1173	2.4557
2.7136	1.5411	1.08	.4090	2.4448	1.6100	.9440	1.8570	2.1527	30.3850	46.6829	9.7292	.1247	2.4111
2.7136	1.5411	1.08	.4090	2.4448	1.6600	.9311	1.9327	2.2160	29.2892	45.6096	9.2457	.1326	2.3664
2.7136	1.5411	1.08	.4090	2.4448	1.7100	.9155	2.0100	2.2799	28.1635	44.5482	8.7621	.1409	2.3216

5

4.5 2.7136 1.5411 1.36 .6002 1.6660 1.0100 .4964 1.0237 1.1407 26.7325 70.1128 13.6885 .0346 5.0074
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.0600 .5043 1.0806 1.1967 25.4415 69.2958 12.9996 .0353 4.9504
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.1100 .5074 1.1382 1.2515 24.5639 67.2676 12.3906 .0361 4.8942
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.1600 .5058 1.1965 1.3053 23.5587 66.5655 11.7817 .0368 4.8374
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.2100 .4996 1.2556 1.3585 22.4356 65.9003 11.1728 .0375 4.7805
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.2600 .4887 1.3155 1.4110 21.1980 65.2908 10.5638 .0381 4.7234
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.3100 .4727 1.3763 1.4631 19.8433 65.6666 9.9549 .0386 4.6661
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.3600 .4514 1.4378 1.5150 18.3625 65.9731 9.3460 .0391 4.6085
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.4100 .4240 1.5003 1.5667 16.7380 65.1807 8.7370 .0394 4.5506
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.4600 .3895 1.5638 1.6185 14.9393 65.8027 8.1281 .0396 4.4924
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.5100 .3462 1.6283 1.6705 12.9122 67.0344 7.5192 .0396 4.4336
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.5600 .2905 1.6939 1.7230 10.5493 69.2522 6.9102 .0391 4.3743
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.6100 .2143 1.7606 1.7762 7.5805 73.5599 6.3013 .0391 4.3143
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.6600 .0710 1.8288 1.8305 2.4504 83.5198 5.6924 .0385 4.2532
4.5 2.7136 1.5411 1.36 .6002 1.6660 1.6600 .0710 1.8288 1.8305 2.4504 83.5198 5.6924 .0376 4.1909

4.5 2.7136 1.5411 1.40 .6407 1.5608 .6500 .0891 .6322 .6382 7.8086 86.2953 17.1511 .0284 5.6970
4.5 2.7136 1.5411 1.40 .6407 1.5608 .7000 .2184 .6844 .7169 17.4291 82.1949 16.5242 .0291 5.6372
4.5 2.7136 1.5411 1.40 .6407 1.5608 .7500 .2874 .7370 .7893 20.9654 79.4525 15.8974 .0298 5.5813
4.5 2.7136 1.5411 1.40 .6407 1.5608 .8000 .3356 .7903 .8570 22.7557 77.2363 15.2705 .0305 5.5233
4.5 2.7136 1.5411 1.40 .6407 1.5608 .8500 .3712 .8441 .9211 23.5895 75.5146 14.6437 .0312 5.4653
4.5 2.7136 1.5411 1.40 .6407 1.5608 .9000 .3976 .8986 .9824 23.8364 74.132 14.0168 .0314 5.4072
4.5 2.7136 1.5411 1.40 .6407 1.5608 .9500 .4167 .9536 1.0413 23.6843 72.7668 13.3900 .0324 5.3490
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.0000 .4294 1.0073 1.0985 23.2401 71.4332 12.7632 .0330 5.2906
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.0500 .4364 1.0657 1.1541 22.5680 70.2611 12.1363 .0335 5.2321
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.1000 .4379 1.1228 1.2085 21.7071 69.2503 11.5095 .0340 5.1735
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.1500 .4341 1.1806 1.2619 20.6402 69.2108 10.8826 .0345 5.1146
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.2000 .4249 1.2391 1.3144 19.4980 68.7641 10.2558 .0348 5.0556
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.2500 .4100 1.2983 1.3664 18.1612 68.5462 9.6289 .0351 4.9962
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.3000 .3890 1.3584 1.4179 16.6595 68.6149 9.0021 .0353 4.9365
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.3500 .3609 1.4193 1.4692 14.9683 69.0641 8.3753 .0353 4.8765
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.4000 .3242 1.4811 1.5203 13.0393 70.0538 7.7484 .0352 4.8159
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.4500 .2759 1.5438 1.5715 10.7735 71.6854 7.1216 .0349 4.7547
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.5000 .2088 1.6076 1.6231 7.9257 75.2541 6.4947 .0345 4.6927
4.5 2.7136 1.5411 1.40 .6407 1.5608 1.5500 .0897 1.6724 1.6752 3.3110 83.1223 5.8679 .0338 4.6297

4.5 2.7136 1.5411 1.44 .6890 1.4513 .6900 .0264 .6726 .6731 2.1225 89.0369 16.4024 .0279 6.0034
4.5 2.7136 1.5411 1.44 .6890 1.4513 .7400 .1838 .7250 .7470 13.9461 83.1126 15.7577 .0285 5.9411
4.5 2.7136 1.5411 1.44 .6890 1.4513 .7900 .2490 .7779 .8156 17.4930 80.5954 15.1129 .0290 5.8814
4.5 2.7136 1.5411 1.44 .6890 1.4513 .8400 .2922 .8314 .8802 19.1210 78.2827 14.4682 .0295 5.8216
4.5 2.7136 1.5411 1.44 .6890 1.4513 .8900 .3224 .8854 .9417 19.9156 76.7681 13.8234 .0300 5.7617
4.5 2.7136 1.5411 1.44 .6890 1.4513 .9400 .3432 .9401 1.0008 20.0575 75.4399 13.1787 .0305 5.7016
4.5 2.7136 1.5411 1.44 .6890 1.4513 .9900 .3562 .9953 1.0578 19.7870 74.3496 12.5339 .0309 5.6414
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.0400 .3623 1.0512 1.1132 19.2042 73.4795 11.8892 .0313 5.5811
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.0900 .3619 1.1078 1.1673 18.3655 72.6323 11.2444 .0316 5.5205
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.1400 .3551 1.1651 1.2203 17.5004 72.0293 10.5997 .0318 5.4597
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.1900 .3416 1.2230 1.2724 16.0174 72.2136 9.9549 .0320 5.3986
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.2400 .3208 1.2817 1.3235 14.5063 72.5611 9.3102 .0320 5.3371
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.2900 .2915 1.3412 1.3750 12.7267 74.2048 8.6654 .0320 5.2753
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.3400 .2505 1.4015 1.4258 10.5872 74.7917 8.0207 .0314 5.2129
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.3900 .1916 1.4627 1.4765 7.8489 77.2976 7.3759 .0314 5.1499
4.5 2.7136 1.5411 1.44 .6890 1.4513 1.4400 .0846 1.5247 1.5274 3.3616 84.1203 6.7311 .0309 5.0861

4.5 2.7136 1.5411 1.48 .7511 1.3314 .7600 .0689 .7446 .7477 5.1786 87.5183 15.2275 .0275 6.2752
4.5 2.7136 1.5411 1.48 .7511 1.3314 .8100 .1687 .7975 .8146 11.7622 83.2292 14.5649 .0279 6.2136
4.5 2.7136 1.5411 1.48 .7511 1.3314 .8600 .2176 .8510 .8778 14.2000 80.4782 13.9022 .0283 6.1519
4.5 2.7136 1.5411 1.48 .7511 1.3314 .9100 .2480 .9050 .9380 15.2444 79.2640 13.2396 .0287 6.0901
4.5 2.7136 1.5411 1.48 .7511 1.3314 .9600 .2663 .9596 .9959 15.5050 78.1618 12.5769 .0289 6.0281
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.0100 .2751 1.0149 1.0518 15.2357 77.2992 11.9142 .0292 5.9659
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.0600 .2753 1.0707 1.1063 14.5595 76.7649 11.2516 .0294 5.9035
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.1100 .2671 1.1272 1.1594 13.5322 76.5908 10.5889 .0295 5.8404
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.1600 .2500 1.1844 1.2116 12.1600 76.2581 9.9263 .0295 5.7778
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.2100 .2219 1.2423 1.2630 10.3917 77.7334 9.2636 .0294 5.7144
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.2600 .1783 1.3009 1.3139 8.0554 79.2891 8.6009 .0292 5.6505
4.5 2.7136 1.5411 1.48 .7511 1.3314 1.3100 .1018 1.3603 1.3644 4.4429 83.0906 7.9383 .0289 5.5860

4.5 2.7136 1.5411 1.52 .8468 1.1809 .8500 .0311 .8385 .8390 2.0970 88.2803 13.7303 .0270 6.5293
4.5 2.7136 1.5411 1.52 .8468 1.1809 .9000 .1170 .8922 .8997 7.4091 84.2594 13.0497 .0272 6.4676
4.5 2.7136 1.5411 1.52 .8468 1.1809 .9500 .1474 .9464 .9578 8.8216 83.2787 12.3691 .0273 6.4057
4.5 2.7136 1.5411 1.52 .8468 1.1809 1.0000 .1586 1.0013 1.0138 9.0099 82.4792 11.6886 .0274 6.3436
4.5 2.7136 1.5411 1.52 .8468 1.1809 1.0500 .1549 1.0567 1.0681 8.4494 82.2377 11.0080 .0275 6.2812
4.5 2.7136 1.5411 1.52 .8468 1.1809 1.1000 .1354 1.1128 1.1212 7.0175 82.5890 10.3274 .0274 6.2185
4.5 2.7136 1.5411 1.52 .8468 1.1809 1.1500 .0912 1.1675 1.1732 4.5337 85.0415 9.6469 .0273 6.1544

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SICMA	PR21	PTR21	TK21
5.00	2.8031	1.5799	1.00	.3568	2.8031	.3600	.0873	.3454	.3554	13.6255	87.4544	27.1471	.0159	3.4563
5.00	2.8031	1.5799	1.00	.3568	2.8031	.4100	.3496	.3962	.5207	40.4534	81.6886	26.6119	.0170	3.4076
5.00	2.8031	1.5799	1.00	.3568	2.8031	.4600	.4815	.4477	.6481	46.3073	78.3877	26.0768	.0182	3.3589
5.00	2.8031	1.5799	1.00	.3568	2.8031	.5100	.5800	.5000	.7572	48.6766	75.6045	25.5417	.0194	3.3102
5.00	2.8031	1.5799	1.00	.3568	2.8031	.5600	.6604	.5531	.8552	49.7014	73.5955	25.0065	.0208	3.2615
5.00	2.8031	1.5799	1.00	.3568	2.8031	.6100	.7285	.6071	.9456	50.0595	71.6242	24.4714	.0223	3.2127
5.00	2.8031	1.5799	1.00	.3568	2.8031	.6600	.7876	.6619	1.0305	50.0387	69.6202	23.9363	.0239	3.1640
5.00	2.8031	1.5799	1.00	.3568	2.8031	.7100	.8397	.7175	1.1113	49.7829	68.1411	23.4012	.0256	3.1153
5.00	2.8031	1.5799	1.00	.3568	2.8031	.7600	.8858	.7742	1.1889	49.3722	66.5593	22.8660	.0275	3.0665
5.00	2.8031	1.5799	1.00	.3568	2.8031	.8100	.9270	.8317	1.2641	48.8546	65.0554	22.3309	.0296	3.0178
5.00	2.8031	1.5799	1.00	.3568	2.8031	.8600	.9639	.8903	1.3373	48.2603	63.6153	21.7958	.0318	2.9691
5.00	2.8031	1.5799	1.00	.3568	2.8031	.9100	.9969	.9499	1.4089	47.6094	62.2283	21.2606	.0343	2.9203
5.00	2.8031	1.5799	1.00	.3568	2.8031	.9600	1.0264	1.0105	1.4794	46.9153	60.8859	20.7255	.0370	2.8715
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.0100	1.0528	1.0723	1.5489	46.1876	59.5815	20.1904	.0399	2.8228
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.0600	1.0761	1.1352	1.6177	45.4329	58.3094	19.6553	.0431	2.7740
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.1100	1.0968	1.1994	1.6861	44.6562	57.0650	19.1201	.0467	2.7252
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.1600	1.1148	1.2648	1.7541	43.8607	55.8445	18.5850	.0506	2.6765
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.2100	1.1303	1.3315	1.8220	43.0490	54.6442	18.0499	.0548	2.6277
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.2600	1.1434	1.3996	1.8899	42.2229	53.4613	17.5147	.0595	2.5789
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.3100	1.1543	1.4691	1.9580	41.3836	52.2932	16.9796	.0647	2.5301
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.3600	1.1629	1.5401	2.0263	40.5318	51.1373	16.4445	.0705	2.4812
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.4100	1.1693	1.6126	2.0950	39.6680	49.9914	15.9093	.0768	2.4324
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.4600	1.1735	1.6869	2.1642	38.7922	48.8536	15.3742	.0838	2.3836
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.5100	1.1757	1.7628	2.2341	37.9045	47.7218	14.8391	.0916	2.3347
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.5600	1.1757	1.8405	2.3047	37.0045	46.5943	14.3040	.1003	2.2858
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.6100	1.1737	1.9202	2.3762	36.0917	45.4693	13.7688	.1099	2.2369
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.6600	1.1695	2.0018	2.4487	35.1654	44.3450	13.2337	.1206	2.1880
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.7100	1.1632	2.0855	2.5223	34.2246	43.2197	12.6986	.1325	2.1391
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.7600	1.1547	2.1715	2.5972	33.2685	42.0916	12.1634	.1459	2.0901
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.8100	1.1440	2.2598	2.6734	32.2955	40.9590	11.6283	.1608	2.0412
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.8600	1.1311	2.3507	2.7512	31.3044	39.8200	11.0932	.1775	1.9921
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.9100	1.1158	2.4441	2.8306	30.2933	38.6726	10.5581	.1962	1.9431
5.00	2.8031	1.5799	1.00	.3568	2.8031	1.9600	1.0981	2.5404	2.9119	29.2601	37.5148	10.0229	.2171	1.8940
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.0100	1.0779	2.6397	2.9953	28.2026	36.3444	9.4878	.2407	1.8448
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.0600	1.0550	2.7422	3.0808	27.1178	35.1589	8.9527	.2671	1.7956
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.1100	1.0292	2.8481	3.1688	26.0025	33.9555	8.4175	.2967	1.7464
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.1600	1.0005	2.9577	3.2595	24.8527	32.7312	7.8824	.3300	1.6970
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.2100	.9684	3.0712	3.3532	23.6636	31.4826	7.3473	.3674	1.6475
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.2600	.9329	3.1891	3.4501	22.4295	30.2055	6.8121	.4092	1.5980
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.3100	.8934	3.3116	3.5506	21.1432	28.8952	6.2770	.4558	1.5482
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.3600	.8494	3.4392	3.6552	19.7956	27.5460	5.7419	.5076	1.4983
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.4100	.8005	3.5724	3.7643	18.3751	26.1508	5.2068	.5647	1.4481
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.4600	.7458	3.7119	3.8788	16.8664	24.7010	4.6716	.6271	1.3975
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.5100	.6842	3.8585	3.9993	15.2487	23.1853	4.1365	.6942	1.3465
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.5600	.6142	4.0132	4.1271	13.4925	21.5889	3.6014	.7646	1.2947
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.6100	.5336	4.1776	4.2640	11.5540	19.8914	3.0662	.8357	1.2417
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.6600	.4386	4.3542	4.4130	9.3641	18.0632	2.5311	.9029	1.1875
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.7100	.3233	4.5475	4.5797	6.8029	16.0586	1.9960	.9588	1.1300
5.00	2.8031	1.5799	1.00	.3568	2.8031	2.7600	.1753	4.7674	4.7770	3.6344	13.8000	1.4608	.9931	1.0684
5.00	2.8031	1.5799	1.04	.3756	2.6627	.3800	.0987	.3649	.3770	14.5552	87.6148	26.7703	.0158	3.7376
5.00	2.8031	1.5799	1.04	.3756	2.6627	.4300	.3413	.4157	.5308	34.4438	81.6251	26.2138	.0168	3.6812
5.00	2.8031	1.5799	1.04	.3756	2.6627	.4800	.4672	.4673	.6521	44.2284	78.3622	25.6573	.0179	3.6312
5.00	2.8031	1.5799	1.04	.3756	2.6627	.5300	.5614	.5126	.7569	46.6459	75.6010	25.1007	.0191	3.5805
5.00	2.8031	1.5799	1.04	.3756	2.6627	.5800	.6379	.5727	.8513	47.7229	73.6082	24.5442	.0203	3.5274
5.00	2.8031	1.5799	1.04	.3756	2.6627	.6300	.7027	.6266	.9326	48.1224	71.6506	23.9877	.0217	3.4741
5.00	2.8031	1.5799	1.04	.3756	2.6627	.6800	.7587	.6813	1.0208	48.1314	69.6586	23.4311	.0231	3.4214
5.00	2.8031	1.5799	1.04	.3756	2.6627	.7300	.8078	.7369	1.0990	47.8954	68.1906	22.8746	.0247	3.3716
5.00	2.8031	1.5799	1.04	.3756	2.6627	.7800	.8511	.7933	1.1742	47.4463	66.6194	22.3181	.0264	3.3207
5.00	2.8031	1.5799	1.04	.3756	2.6627	.8300	.8895	.8507	1.2469	46.9434	65.1258	21.7615	.0282	3.2702
5.00	2.8031	1.5799	1.04	.3756	2.6627	.8800	.9237	.9070	1.3178	46.3879	63.6359	21.2050	.0301	3.2205
5.00	2.8031	1.5799	1.04	.3756	2.6627	.9300	.9540	.9643	1.3872	45.7307	62.1191	20.6485	.0323	3.1707
5.00	2.8031	1.5799	1.04	.3756	2.6627	.9800	.9809	1.0246	1.4553	45.0259	60.5871	20.0919	.0346	3.1200
5.00	2.8031	1.5799	1.04	.3756	2.6627	1.0300	1.0046	1.0900	1.5225	44.2836	59.0232	19.5354	.0371	3.0702
5.00	2.8031	1.5799	1.04	.3756	2.6627	1.0800	1.0253	1.1524	1.5890	43.5106	57.4320	18.9788	.0399	3.0204
5.00	2.8031	1.5799	1.04	.3756	2.6627	1.1300	1.0432	1.2160	1.6550	42.7121	55.8194	18.4223	.0429	2.9717

[illegible][illegible]

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5.00	2.8031	1.5799	1.40	.6055	1.6515	.8100	.4027	.8027	.8965	26.4352	75.2166	18.6633	.0159	6.4117
5.00	2.8031	1.5799	1.40	.6055	1.6515	.8600	.4352	.8570	.9604	26.8390	74.4942	18.1141	.0163	6.3467
5.00	2.8031	1.5799	1.40	.6055	1.6515	.9100	.4601	.9118	1.0217	26.8201	72.4983	17.3649	.0167	6.2807
5.00	2.8031	1.5799	1.40	.6055	1.6515	.9600	.4787	.9673	1.0809	26.5014	71.2365	16.6157	.0171	6.2116
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.0100	.4917	1.0235	1.1382	25.9570	70.1107	15.8665	.0175	6.1424
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.0600	.4995	1.0803	1.1943	25.2331	69.1122	15.1174	.0179	6.0737
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.1100	.5026	1.1379	1.2491	24.3591	68.2396	14.3682	.0183	6.0037
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.1600	.5008	1.1962	1.3030	23.3527	67.4279	13.6190	.0187	5.9341
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.2100	.4944	1.2553	1.3560	22.2241	66.6291	12.8692	.0190	5.8644
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.2600	.4831	1.3151	1.4065	20.9756	66.4636	12.1206	.0193	5.7945
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.3100	.4666	1.3758	1.4605	19.6038	66.4234	11.3714	.0195	5.7244
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.3600	.4445	1.4373	1.5121	18.0975	66.2275	10.6223	.0197	5.6540
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.4100	.4159	1.4998	1.5637	16.4359	66.5526	9.8731	.0199	5.5833
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.4600	.3792	1.5631	1.6151	14.5622	67.2233	9.1239	.0200	5.5123
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.5100	.3339	1.6275	1.6668	12.4690	68.7588	8.3747	.0199	5.4407
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.5600	.2738	1.6929	1.7188	9.9561	71.2000	7.6255	.0198	5.3685
5.00	2.8031	1.5799	1.40	.6055	1.6515	1.6100	.1875	1.7595	1.7714	6.6429	76.1238	6.8764	.0196	5.2965
													.0192	5.2215

5.00	2.8031	1.5799	1.44	.6458	1.5485	.6500	.0601	.6321	.6348	5.2793	87.4597	20.9824	.0145	6.9765
5.00	2.8031	1.5799	1.44	.6458	1.5485	.7000	.2087	.6842	.7140	16.6001	82.7304	20.2118	.0148	6.9056
5.00	2.8031	1.5799	1.44	.6458	1.5485	.7500	.2803	.7369	.7867	20.4946	79.4755	19.4412	.0152	6.8346
5.00	2.8031	1.5799	1.44	.6458	1.5485	.8000	.3298	.7901	.8546	22.4012	77.2825	18.6706	.0155	6.7636
5.00	2.8031	1.5799	1.44	.6458	1.5485	.8500	.3661	.8440	.9189	23.3008	76.1595	17.9000	.0158	6.6925
5.00	2.8031	1.5799	1.44	.6458	1.5485	.9000	.3930	.8984	.9803	23.5285	74.6936	17.1294	.0162	6.6213
5.00	2.8031	1.5799	1.44	.6458	1.5485	.9500	.4123	.9535	1.0394	23.4628	73.4309	16.3589	.0165	6.5500
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.0000	.4252	1.0092	1.0966	23.0352	72.2442	15.5883	.0168	6.4785
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.0500	.4322	1.0655	1.1523	22.3723	71.4226	14.8177	.0170	6.4070
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.1000	.4336	1.1226	1.2066	21.5143	70.6663	14.0471	.0173	6.3352
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.1500	.4296	1.1803	1.2600	20.4842	70.0663	13.2765	.0175	6.2633
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.2000	.4201	1.2388	1.3125	19.2925	69.4053	12.5059	.0177	6.1911
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.2500	.4047	1.2980	1.3643	17.9384	69.5617	11.7353	.0178	6.1186
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.3000	.3828	1.3580	1.4157	16.4091	69.7170	10.9647	.0178	6.0459
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.3500	.3535	1.4189	1.4667	14.6753	70.2719	10.1942	.0179	5.9727
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.4000	.3150	1.4806	1.5176	12.6785	71.4005	9.4236	.0178	5.8990
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.4500	.2634	1.5432	1.5685	10.2949	73.4426	8.6530	.0176	5.8246
5.00	2.8031	1.5799	1.44	.6458	1.5485	1.5000	.1892	1.6069	1.6196	7.1890	77.2461	7.8824	.0173	5.7495

5.00	2.8031	1.5799	1.48	.6939	1.4411	.7000	.0653	.6829	.6859	5.3270	87.6700	19.7121	.0143	7.3219
5.00	2.8031	1.5799	1.48	.6939	1.4411	.7500	.1912	.7354	.7589	14.3016	82.9864	19.1201	.0146	7.2489
5.00	2.8031	1.5799	1.48	.6939	1.4411	.8000	.2527	.7884	.8269	17.5457	80.4541	18.3281	.0148	7.1753
5.00	2.8031	1.5799	1.48	.6939	1.4411	.8500	.2942	.8420	.8910	19.0910	78.5625	17.5361	.0151	7.1025
5.00	2.8031	1.5799	1.48	.6939	1.4411	.9000	.3227	.8962	.9521	19.7384	77.0479	16.7441	.0153	7.0292
5.00	2.8031	1.5799	1.48	.6939	1.4411	.9500	.3424	.9509	1.0108	19.8178	75.2114	15.9522	.0156	6.9557
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.0000	.3540	1.0063	1.0675	19.4965	74.2109	15.1602	.0158	6.8821
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.0500	.3582	1.0624	1.1227	18.8670	74.0333	14.3682	.0159	6.8083
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.1000	.3570	1.1170	1.1765	17.9809	73.4854	13.5762	.0161	6.7343
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.1500	.3486	1.1764	1.2293	16.8629	73.1936	12.7842	.0162	6.6610
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.2000	.3332	1.2345	1.2812	15.5164	73.2090	11.9922	.0162	6.5874
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.2500	.3098	1.2933	1.3324	13.9210	73.6205	11.2002	.0162	6.5105
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.3000	.2768	1.3529	1.3832	12.0207	74.5874	10.4082	.0162	6.4362
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.3500	.2303	1.4133	1.4337	9.6817	76.4287	9.6162	.0161	6.3592
5.00	2.8031	1.5799	1.48	.6939	1.4411	1.4000	.1596	1.4745	1.4841	6.5623	79.4908	8.8242	.0153	6.2826

5.00	2.8031	1.5799	1.52	.7559	1.3229	.7600	.0466	.7445	.7459	3.5091	82.4364	18.6364	.0140	7.6602
5.00	2.8031	1.5799	1.52	.7559	1.3229	.8100	.1614	.7974	.8131	11.2708	83.4061	17.8230	.0142	7.5849
5.00	2.8031	1.5799	1.52	.7559	1.3229	.8600	.2124	.8509	.8765	13.8732	81.4548	17.0096	.0144	7.5075
5.00	2.8031	1.5799	1.52	.7559	1.3229	.9100	.2437	.9049	.9368	14.9495	79.4689	16.1962	.0146	7.4340
5.00	2.8031	1.5799	1.52	.7559	1.3229	.9600	.2624	.9525	.9947	15.2869	78.4037	15.3828	.0147	7.3583
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.0100	.2712	1.0148	1.0507	15.0347	77.3822	14.5694	.0149	7.2824
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.0600	.2714	1.0706	1.1051	14.3610	77.2944	13.7560	.0149	7.2063
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.1100	.2628	1.1271	1.1583	13.3212	77.2712	12.9426	.0150	7.1299
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.1600	.2449	1.1843	1.2104	11.9196	77.5987	12.1292	.0150	7.0521
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.2100	.2153	1.2421	1.2616	10.0913	78.5540	11.3154	.0149	6.9740
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.2600	.1687	1.3007	1.3124	7.6249	80.5516	10.5024	.0148	6.8944
5.00	2.8031	1.5799	1.52	.7559	1.3229	1.3100	.0798	1.3601	1.3626	3.4440	85.2685	9.6890	.0146	6.8212

5.00	2.8031	1.5799	1.56	.8525	1.1730	.8600	.0467	.8491	.8504	3.1142	82.0616	16.6414	.0138	7.9432
5.00	2.8031	1.5799	1.56	.8525	1.1730	.9100	.1147	.9029	.9166	7.4308	84.9168	15.8066	.0139	7.8675
5.00	2.8031	1.5799	1.56	.8525	1.1730	.9600	.1457	.9573	.9642	8.6326	83.2254	14.9718	.0139	7.7875
5.00	2.8031	1.5799	1.56	.8525	1.1730	1.0100	.1540	1.0122	1.0229	8.6679	82.2891	14.1370	.0140	7.7074
5.00	2.8031	1.5799	1.56	.8525	1.1730	1.0600	.1468	1.0678	1.0786	7.8433	82.4350	13.3022	.0140	7.6309
5.00	2.8031	1.5799	1.56	.8525	1.1730	1.1100	.1217	1.1240	1.1407	6.2585	84.6743	12.4674	.0140	7.5521
5.00	2.8031	1.5799	1.56	.8525	1.1730	1.1600	.0603	1.1828	1.1824	2.9759	86.2188	11.6328	.0139	7.4729

PROPERTIES ACROSS AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	IR21
8.0	.0844	1.7043	1.00	.3242	.0844	.3300	.1253	.3164	.3385	20.7867	87.3961	69.5832	.0005	7.3162
8.0	.0844	1.7043	1.00	.3242	.0844	.3800	.3853	.3672	.5230	45.3978	81.6913	68.3382	.0005	7.2050
8.0	.0844	1.7043	1.00	.3242	.0844	.4300	.5256	.4189	.6615	50.7124	78.6000	67.0932	.0005	7.0898
8.0	.0844	1.7043	1.00	.3242	.0844	.4800	.6317	.4713	.7791	52.7696	76.3666	65.8483	.0006	6.9766
8.0	.0844	1.7043	1.00	.3242	.0844	.5300	.7189	.5247	.8842	53.6005	74.2818	64.6033	.0006	6.8654
8.0	.0844	1.7043	1.00	.3242	.0844	.5800	.7935	.5790	.9812	53.8342	72.4204	63.3583	.0007	6.7502
8.0	.0844	1.7043	1.00	.3242	.0844	.6300	.8587	.6343	1.0722	53.7337	70.7171	62.1133	.0007	6.6370
8.0	.0844	1.7043	1.00	.3242	.0844	.6800	.9166	.6905	1.1590	53.4292	69.1324	60.8683	.0008	6.5237
8.0	.0844	1.7043	1.00	.3242	.0844	.7300	.9685	.7478	1.2424	52.9922	67.6405	59.6234	.0009	6.4105
8.0	.0844	1.7043	1.00	.3242	.0844	.7800	1.0152	.8062	1.3233	52.4654	66.2233	58.3784	.0009	6.2973
8.0	.0844	1.7043	1.00	.3242	.0844	.8300	1.0576	.8657	1.4022	51.8752	64.8675	57.1334	.0010	6.1841
8.0	.0844	1.7043	1.00	.3242	.0844	.8800	1.0960	.9264	1.4796	51.2393	63.5632	55.8884	.0011	6.0709
8.0	.0844	1.7043	1.00	.3242	.0844	.9300	1.1310	.9882	1.5559	50.5695	62.3024	54.6435	.0012	5.9577
8.0	.0844	1.7043	1.00	.3242	.0844	.9800	1.1627	1.0514	1.6314	49.8739	61.0788	53.3985	.0013	5.8445
8.0	.0844	1.7043	1.00	.3242	.0844	1.0300	1.1915	1.1159	1.7064	49.1582	59.8872	52.1535	.0015	5.7312
8.0	.0844	1.7043	1.00	.3242	.0844	1.0800	1.2176	1.1818	1.7810	48.4268	58.7233	50.9085	.0016	5.6180
8.0	.0844	1.7043	1.00	.3242	.0844	1.1300	1.2411	1.2492	1.8555	47.6824	57.5835	49.6636	.0018	5.5048
8.0	.0844	1.7043	1.00	.3242	.0844	1.1800	1.2622	1.3181	1.9301	46.9274	56.4647	48.4186	.0020	5.3916
8.0	.0844	1.7043	1.00	.3242	.0844	1.2300	1.2810	1.3886	2.0049	46.1632	55.3640	47.1736	.0022	5.2783
8.0	.0844	1.7043	1.00	.3242	.0844	1.2800	1.2976	1.4608	2.0801	45.3910	54.2791	45.9286	.0024	5.1651
8.0	.0844	1.7043	1.00	.3242	.0844	1.3300	1.3121	1.5348	2.1559	44.6115	53.2079	44.6837	.0027	5.0519
8.0	.0844	1.7043	1.00	.3242	.0844	1.3800	1.3245	1.6106	2.2325	43.8251	52.1483	43.4387	.0030	4.9386
8.0	.0844	1.7043	1.00	.3242	.0844	1.4300	1.3350	1.6865	2.3099	43.0321	51.0986	42.1937	.0033	4.8254
8.0	.0844	1.7043	1.00	.3242	.0844	1.4800	1.3435	1.7684	2.3883	42.2327	50.0572	40.9487	.0037	4.7122
8.0	.0844	1.7043	1.00	.3242	.0844	1.5300	1.3501	1.8505	2.4680	41.4268	49.0225	39.7038	.0042	4.5989
8.0	.0844	1.7043	1.00	.3242	.0844	1.5800	1.3549	1.9349	2.5489	40.6141	47.9931	38.4588	.0047	4.4856
8.0	.0844	1.7043	1.00	.3242	.0844	1.6300	1.3578	2.0218	2.6314	39.7944	46.9675	37.2138	.0053	4.3724
8.0	.0844	1.7043	1.00	.3242	.0844	1.6800	1.3588	2.1114	2.7156	38.9672	45.9445	35.9688	.0060	4.2591
8.0	.0844	1.7043	1.00	.3242	.0844	1.7300	1.3581	2.2037	2.8016	38.1322	44.9226	34.7239	.0068	4.1459
8.0	.0844	1.7043	1.00	.3242	.0844	1.7800	1.3554	2.2990	2.8897	37.2887	43.9007	33.4789	.0078	4.0326
8.0	.0844	1.7043	1.00	.3242	.0844	1.8300	1.3510	2.3975	2.9801	36.4360	42.8773	32.2339	.0089	3.9193
8.0	.0844	1.7043	1.00	.3242	.0844	1.8800	1.3446	2.4994	3.0729	35.5734	41.8512	30.9889	.0102	3.8060
8.0	.0844	1.7043	1.00	.3242	.0844	1.9300	1.3364	2.6050	3.1685	34.6999	40.8211	29.7440	.0117	3.6927
8.0	.0844	1.7043	1.00	.3242	.0844	1.9800	1.3262	2.7144	3.2671	33.8146	39.7855	28.4990	.0136	3.5794
8.0	.0844	1.7043	1.00	.3242	.0844	2.0300	1.3141	2.8281	3.3689	32.9164	38.7429	27.2540	.0157	3.4661
8.0	.0844	1.7043	1.00	.3242	.0844	2.0800	1.2999	2.9463	3.4744	32.0039	37.6918	26.0097	.0183	3.3527
8.0	.0844	1.7043	1.00	.3242	.0844	2.1300	1.2837	3.0695	3.5838	31.0757	36.6306	24.7640	.0214	3.2394
8.0	.0844	1.7043	1.00	.3242	.0844	2.1800	1.2652	3.1980	3.6976	30.1302	35.5574	23.5191	.0252	3.1260
8.0	.0844	1.7043	1.00	.3242	.0844	2.2300	1.2445	3.3324	3.8162	29.1654	34.4703	22.2741	.0298	3.0126
8.0	.0844	1.7043	1.00	.3242	.0844	2.2800	1.2215	3.4731	3.9401	28.1793	33.3671	21.0291	.0354	2.8992
8.0	.0844	1.7043	1.00	.3242	.0844	2.3300	1.1959	3.6208	4.0699	27.1691	32.2452	19.7841	.0423	2.7854
8.0	.0844	1.7043	1.00	.3242	.0844	2.3800	1.1676	3.7762	4.2062	26.1321	31.1020	18.5392	.0509	2.6723
8.0	.0844	1.7043	1.00	.3242	.0844	2.4300	1.1365	3.9401	4.3498	25.0646	29.9442	17.2942	.0616	2.5587
8.0	.0844	1.7043	1.00	.3242	.0844	2.4800	1.1022	4.1135	4.5015	23.9624	28.7380	16.0492	.0751	2.4452
8.0	.0844	1.7043	1.00	.3242	.0844	2.5300	1.0646	4.2975	4.6625	22.8204	27.5091	14.8042	.0922	2.3315
8.0	.0844	1.7043	1.00	.3242	.0844	2.5800	1.0232	4.4934	4.8339	21.6322	26.2421	13.5593	.1139	2.2178
8.0	.0844	1.7043	1.00	.3242	.0844	2.6300	.9776	4.7028	5.0172	20.3897	24.9306	12.3143	.1420	2.1039
8.0	.0844	1.7043	1.00	.3242	.0844	2.6800	.9271	4.9276	5.2141	19.0826	23.5662	11.0693	.1783	1.9900
8.0	.0844	1.7043	1.00	.3242	.0844	2.7300	.8711	5.1700	5.4268	17.6969	22.1387	9.8243	.2255	1.8753
8.0	.0844	1.7043	1.00	.3242	.0844	2.7800	.8084	5.4331	5.6582	16.2136	20.6340	8.5794	.2874	1.7613
8.0	.0844	1.7043	1.00	.3242	.0844	2.8300	.7374	5.7206	5.9117	14.6053	19.0332	7.3344	.3683	1.6464
8.0	.0844	1.7043	1.00	.3242	.0844	2.8800	.6559	6.0376	6.1922	12.8297	17.3089	6.0894	.4733	1.5307
8.0	.0844	1.7043	1.00	.3242	.0844	2.9300	.5598	6.3912	6.5068	10.8168	15.4889	4.8444	.6044	1.4139
8.0	.0844	1.7043	1.00	.3242	.0844	2.9800	.4419	6.7933	6.8676	8.4354	13.4916	3.5995	.7648	1.2945
8.0	.0844	1.7043	1.00	.3242	.0844	3.0300	.2855	7.2689	7.3011	5.3834	10.7865	2.3545	.9230	1.1639
8.0	.0844	1.7043	1.00	.3242	.0844	3.0800	.0333	7.9196	7.9201	.6186	7.5346	1.1095	.9999	1.0175
8.0	.0844	1.7043	1.08	.3573	2.7988	.3600	.0806	.3454	.3539	12.6213	88.2296	68.1191	.0004	8.5246
8.0	.0844	1.7043	1.08	.3573	2.7988	.4100	.3519	.3962	.5222	40.6418	82.1663	66.7745	.0005	8.4073
8.0	.0844	1.7043	1.08	.3573	2.7988	.4600	.4860	.4478	.6514	46.5756	79.6326	65.4229	.0005	8.2908

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PROPERTIES ACROSS AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PT21	TR21
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.3100	.0510	.2969	.3009	9.3371	89.0017	213.6624	.0000	20.4152
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.3600	.3815	.3476	.5065	46.6629	82.4411	210.0273	.0000	20.0847
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.4100	.5325	.3992	.6543	52.4041	79.3262	206.3922	.0000	19.7542
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.4600	.6454	.4517	.7782	54.5196	76.9084	202.7571	.0000	19.4238
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.5100	.7379	.5051	.8883	55.3428	74.6495	199.1220	.0000	19.0933
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.5600	.8170	.5595	.9895	55.5707	73.6178	195.4869	.0000	18.7628
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.6100	.8862	.6149	1.0844	55.4598	71.3457	191.8518	.0000	18.4323
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.6600	.9478	.6713	1.1748	55.1491	69.1930	188.2167	.0000	18.1019
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.7100	1.0032	.7288	1.2616	54.7105	68.3336	184.5816	.0000	17.7714
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.7600	1.0532	.7875	1.3458	54.1861	66.4490	180.9465	.0000	17.4409
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.8100	1.0988	.8474	1.4281	53.6024	65.6261	177.3114	.0000	17.1104
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.8600	1.1403	.9085	1.5088	52.9762	64.3548	173.6763	.0000	16.7800
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.9100	1.1782	.9710	1.5885	52.3191	63.1272	170.0412	.0000	16.4495
1.0000	1.0000	1.7721	1.0000	.3091	.3091	.9600	1.2129	1.0348	1.6673	51.6390	61.9371	166.4060	.0000	16.1190
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.0100	1.2446	1.1000	1.7457	50.9414	60.7792	162.7709	.0000	15.7885
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.0600	1.2736	1.1667	1.8238	50.2302	59.6495	159.1358	.0000	15.4581
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.1100	1.3000	1.2350	1.9020	49.5083	58.5442	155.5007	.0000	15.1276
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.1600	1.3240	1.3050	1.9803	48.7778	57.4603	151.8656	.0000	14.7971
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.2100	1.3457	1.3767	2.0590	48.0401	56.3952	148.2305	.0000	14.4666
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.2600	1.3653	1.4502	2.1384	47.2963	55.3465	144.5954	.0000	14.1362
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.3100	1.3827	1.5257	2.2184	46.5472	54.3120	140.9603	.0000	13.8057
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.3600	1.3982	1.6033	2.2994	45.7931	53.2490	137.3252	.0000	13.4752
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.4100	1.4117	1.6830	2.3815	45.0344	52.2788	133.6901	.0000	13.1447
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.4600	1.4233	1.7650	2.4649	44.2713	51.2768	130.0550	.0000	12.8142
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.5100	1.4331	1.8494	2.5498	43.5036	50.2425	126.4199	.0000	12.4837
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.5600	1.4411	1.9365	2.6363	42.7314	49.2496	122.7848	.0000	12.1533
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.6100	1.4473	2.0263	2.7247	41.9544	48.3118	119.1497	.0000	11.8228
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.6600	1.4518	2.1191	2.8151	41.1724	47.3329	115.5146	.0001	11.4923
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.7100	1.4546	2.2150	2.9079	40.3850	46.3568	111.8795	.0001	11.1618
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.7600	1.4556	2.3142	3.0032	39.5918	45.3822	108.2444	.0001	10.8313
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.8100	1.4549	2.4172	3.1012	38.7923	44.4081	104.6093	.0001	10.5008
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.8600	1.4525	2.5240	3.2023	37.9861	43.4333	100.9742	.0001	10.1703
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.9100	1.4483	2.6350	3.3069	37.1724	42.4566	97.3391	.0001	9.8398
1.0000	1.0000	1.7721	1.0000	.3091	.3091	1.9600	1.4424	2.7505	3.4151	36.3506	41.4770	93.7040	.0001	9.5093
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.0100	1.4348	2.8710	3.5275	35.5200	40.4932	90.0689	.0002	9.1788
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.0600	1.4253	2.9969	3.6443	34.6797	39.5041	86.4338	.0002	8.8483
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.1100	1.4141	3.1286	3.7662	33.8288	38.5082	82.7987	.0002	8.5178
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.1600	1.4009	3.2668	3.8937	32.9662	37.5043	79.1636	.0003	8.1873
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.2100	1.3858	3.4120	4.0273	32.0908	36.4909	75.5285	.0003	7.8568
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.2600	1.3688	3.5650	4.1678	31.2012	35.4664	71.8934	.0004	7.5262
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.3100	1.3496	3.7266	4.3160	30.2960	34.4291	68.2583	.0005	7.1957
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.3600	1.3284	3.8978	4.4729	29.3735	33.3770	64.6232	.0006	6.8652
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.4100	1.3048	4.0798	4.6394	28.4318	32.3080	60.9881	.0008	6.5346
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.4600	1.2789	4.2740	4.8171	27.4686	31.2198	57.3530	.0010	6.2041
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.5100	1.2504	4.4819	5.0073	26.4814	30.1095	53.7179	.0013	5.8735
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.5600	1.2193	4.7055	5.2120	25.4672	28.9740	50.0828	.0017	5.5429
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.6100	1.1852	4.9472	5.4334	24.4222	27.8096	46.4477	.0023	5.2123
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.6600	1.1479	5.2100	5.6744	23.3422	26.6119	42.8126	.0032	4.8817
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.7100	1.1071	5.4973	5.9384	22.2218	25.3754	39.1775	.0044	4.5510
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.7600	1.0625	5.8140	6.2299	21.0542	24.0938	35.5424	.0063	4.2203
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.8100	1.0134	6.1658	6.5545	19.8310	22.7585	31.9073	.0092	3.8896
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.8600	.9592	6.5608	6.9199	18.5409	21.3591	28.2722	.0139	3.5588
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.9100	.8991	7.0093	7.3362	17.1688	19.8813	24.6371	.0218	3.2278
1.0000	1.0000	1.7721	1.0000	.3091	.3091	2.9600	.8316	7.5262	7.8176	15.6930	18.3055	21.0020	.0355	2.8967
1.0000	1.0000	1.7721	1.0000	.3091	.3091	3.0100	.7550	8.1326	8.3845	14.0812	16.6031	17.3669	.0609	2.5654
1.0000	1.0000	1.7721	1.0000	.3091	.3091	3.0600	.6661	8.8605	9.0681	12.2810	14.7296	13.7318	.1106	2.2356
1.0000	1.0000	1.7721	1.0000	.3091	.3091	3.1100	.5594	9.7619	9.9185	10.1968	12.6080	10.0967	.2141	1.9004
1.0000	1.0000	1.7721	1.0000	.3091	.3091	3.1600	.4225	10.9298	11.0271	7.6155	10.6820	6.4616	.4591	1.5654
1.0000	1.0000	1.7721	1.0000	.3091	.3091	3.2100	.2136	12.5880	12.6158	3.8070	6.7080	2.8265	.8666	1.2174

1.0000	1.0000	1.7721	1.08	.3399	2.9418	.3400	.0132	.3259	.3261	2.2295	89.7265	209.5038	.0000	23.7779
1.0000	1.0000	1.7721	1.08	.3399	2.9418	.3900	.3565	.3767	.5103	42.4295	82.5414	205.5779	.0000	23.4474
1.0000	1.0000	1.7721	1.08	.3399	2.9418	.4400	.4990	.4282	.6473	48.5472	74.6495	202.7571	.0000	23.1169

[illegible]

