

Run: 1

Table:curve

SWAN version:41.20A

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	5.60695	13.7656	13.8874	12.5622	0.000	31.5058	10.3700	0.000000
1.	0.	5.61984	13.7678	13.8874	12.4098	0.000	31.5159	10.3605	0.000459
2.	0.	5.63022	13.7699	13.8874	12.2691	0.000	31.5195	10.3610	0.001023
3.	0.	5.63923	13.7719	13.8874	12.1423	0.000	31.5060	10.3515	0.001505
4.	0.	5.64629	13.7737	13.8874	12.0279	0.000	31.4833	10.3420	0.002003
5.	0.	5.65196	13.7754	13.8874	11.9245	0.000	31.4641	10.3325	0.002511
6.	0.	5.65544	13.7769	13.8874	11.8305	0.000	31.4442	10.3331	0.003126
7.	0.	5.65819	13.7783	13.8874	11.7452	0.000	31.4127	10.3237	0.003656
8.	0.	5.65993	13.7796	13.8874	11.6663	0.000	31.3767	10.3142	0.004197
9.	0.	5.66098	13.7808	13.8874	11.5936	0.000	31.3473	10.3047	0.004747
10.	0.	5.66046	13.7820	13.8874	11.5260	0.000	31.3194	10.3054	0.005397
11.	0.	5.65967	13.7830	13.8874	11.4639	0.000	31.2822	10.2960	0.005960
12.	0.	5.65806	13.7840	13.8874	11.4064	0.000	31.2414	10.2865	0.006530
13.	0.	5.65578	13.7849	13.8874	11.3528	0.000	31.1991	10.2771	0.007106
14.	0.	5.65317	13.7858	13.8874	11.3028	0.000	31.1647	10.2677	0.007687
15.	0.	5.64940	13.7866	13.8874	11.2557	0.000	31.1329	10.2684	0.008364
16.	0.	5.64565	13.7874	13.8874	11.2120	0.000	31.0930	10.2590	0.008950
17.	0.	5.64138	13.7881	13.8874	11.1711	0.000	31.0516	10.2495	0.009543
18.	0.	5.63670	13.7888	13.8874	11.1327	0.000	31.0107	10.2401	0.010140
19.	0.	5.63164	13.7894	13.8874	11.0964	0.000	30.9698	10.2307	0.010740
20.	0.	5.62625	13.7900	13.8874	11.0622	0.000	30.9288	10.2213	0.011343
21.	0.	5.62056	13.7906	13.8874	11.0300	0.000	30.8878	10.2119	0.011948
22.	0.	5.61459	13.7911	13.8874	10.9994	0.000	30.8469	10.2026	0.012554
23.	0.	5.60837	13.7916	13.8874	10.9705	0.000	30.8062	10.1932	0.013161
24.	0.	5.60192	13.7921	13.8874	10.9430	0.000	30.7663	10.1838	0.013769
25.	0.	5.59527	13.7926	13.8874	10.9170	0.000	30.7270	10.1744	0.014379
26.	0.	5.58843	13.7931	13.8874	10.8922	0.000	30.6877	10.1650	0.014989
27.	0.	5.58165	13.7935	13.8874	10.8686	0.000	30.6549	10.1556	0.015595
28.	0.	5.57390	13.7939	13.8874	10.8456	0.000	30.6181	10.1563	0.016294
29.	0.	5.56706	13.7943	13.8874	10.8248	0.000	30.5732	10.1368	0.016810
30.	0.	5.55954	13.7946	13.8874	10.8043	0.000	30.5325	10.1274	0.017418
31.	0.	5.55171	13.7950	13.8874	10.7848	0.000	30.4869	10.1180	0.018028
32.	0.	5.54435	13.7954	13.8874	10.7666	0.001	30.4395	10.0985	0.018546
33.	0.	5.53693	13.7957	13.8874	10.7459	0.001	30.3938	10.0892	0.019158
34.	0.	5.53027	13.7960	13.8874	10.7257	0.001	30.3483	10.0697	0.019679
35.	0.	5.52313	13.7963	13.8874	10.7053	0.001	30.3095	10.0603	0.020292
36.	0.	5.51575	13.7966	13.8874	10.6854	0.001	30.2666	10.0509	0.020907
37.	0.	5.50885	13.7968	13.8874	10.6669	0.001	30.2222	10.0314	0.021431
38.	0.	5.50139	13.7971	13.8874	10.6483	0.001	30.1838	10.0220	0.022048
39.	0.	5.49369	13.7973	13.8874	10.6303	0.001	30.1412	10.0127	0.022665
40.	0.	5.48647	13.7975	13.8874	10.6135	0.001	30.0970	9.9932	0.023192
41.	0.	5.47871	13.7977	13.8874	10.5966	0.001	30.0589	9.9838	0.023810
42.	0.	5.47074	13.7979	13.8874	10.5803	0.001	30.0167	9.9744	0.024428
43.	0.	5.46326	13.7981	13.8874	10.5650	0.001	29.9729	9.9550	0.024956
44.	0.	5.45504	13.7983	13.8874	10.5496	0.001	29.9289	9.9456	0.025577
45.	0.	5.44738	13.7985	13.8874	10.5352	0.001	29.8848	9.9261	0.026107
46.	0.	5.43920	13.7986	13.8874	10.5207	0.001	29.8471	9.9167	0.026728
47.	0.	5.43082	13.7988	13.8874	10.5066	0.001	29.8056	9.9073	0.027349
48.	0.	5.42274	13.7989	13.8874	10.4941	0.000	29.7637	9.8879	0.027887
49.	0.	5.41402	13.7990	13.8874	10.4817	359.998	29.7281	9.8785	0.028520
50.	0.	5.40509	13.7991	13.8874	10.4697	359.995	29.6884	9.8692	0.029152
51.	0.	5.39662	13.7992	13.8874	10.4589	359.991	29.6471	9.8497	0.029695
52.	0.	5.38766	13.7993	13.8874	10.4478	359.987	29.6117	9.8403	0.030327
53.	0.	5.37856	13.7994	13.8874	10.4370	359.983	29.5723	9.8310	0.030957
54.	0.	5.36996	13.7995	13.8874	10.4273	359.978	29.5311	9.8115	0.031497
55.	0.	5.36067	13.7996	13.8874	10.4172	359.972	29.4897	9.8021	0.032128
56.	0.	5.35196	13.7997	13.8874	10.4080	359.967	29.4479	9.7827	0.032667
57.	0.	5.34279	13.7998	13.8874	10.3984	359.961	29.4124	9.7733	0.033296
58.	0.	5.33382	13.7998	13.8874	10.3883	359.959	29.3728	9.7639	0.033912
59.	0.	5.32551	13.7999	13.8874	10.3788	359.957	29.3317	9.7444	0.034433

60.	0.	5.31660	13.7999	13.8874	10.3687	359.957	29.2904	9.7350	0.035045
61.	0.	5.30829	13.8000	13.8874	10.3595	359.956	29.2488	9.7156	0.035564
62.	0.	5.29955	13.8000	13.8874	10.3497	359.955	29.2135	9.7062	0.036171
63.	0.	5.29087	13.8001	13.8874	10.3401	359.955	29.1801	9.6968	0.036776
64.	0.	5.28223	13.8001	13.8874	10.3308	359.954	29.1477	9.6874	0.037377
65.	0.	5.27343	13.8001	13.8874	10.3216	359.954	29.1097	9.6780	0.037975
66.	0.	5.26518	13.8002	13.8874	10.3132	359.954	29.0697	9.6585	0.038483
67.	0.	5.25646	13.8002	13.8874	10.3044	359.954	29.0353	9.6491	0.039080
68.	0.	5.24779	13.8002	13.8874	10.2957	359.953	29.0028	9.6397	0.039674
69.	0.	5.23898	13.8002	13.8874	10.2872	359.953	28.9653	9.6303	0.040266
70.	0.	5.23072	13.8002	13.8874	10.2796	359.953	28.9259	9.6108	0.040767
71.	0.	5.22198	13.8002	13.8874	10.2714	359.953	28.8922	9.6014	0.041357
72.	0.	5.21315	13.8002	13.8874	10.2634	359.952	28.8547	9.5919	0.041945
73.	0.	5.20487	13.8002	13.8874	10.2562	359.952	28.8157	9.5724	0.042442
74.	0.	5.19613	13.8002	13.8874	10.2484	359.952	28.7824	9.5630	0.043028
75.	0.	5.18745	13.8002	13.8874	10.2408	359.952	28.7511	9.5536	0.043611
76.	0.	5.17865	13.8002	13.8874	10.2334	359.952	28.7149	9.5442	0.044192
77.	0.	5.17039	13.8002	13.8874	10.2268	359.952	28.6768	9.5247	0.044683
78.	0.	5.16167	13.8002	13.8874	10.2195	359.952	28.6443	9.5153	0.045262
79.	0.	5.15287	13.8002	13.8874	10.2124	359.951	28.6080	9.5058	0.045838
80.	0.	5.14462	13.8002	13.8874	10.2062	359.951	28.5702	9.4863	0.046325
81.	0.	5.13591	13.8001	13.8874	10.1993	359.951	28.5382	9.4769	0.046900
82.	0.	5.12712	13.8001	13.8874	10.1925	359.951	28.5024	9.4675	0.047472
83.	0.	5.11889	13.8001	13.8874	10.1866	359.951	28.4652	9.4480	0.047954
84.	0.	5.11020	13.8001	13.8874	10.1801	359.951	28.4336	9.4385	0.048525
85.	0.	5.10158	13.8000	13.8874	10.1736	359.952	28.4039	9.4291	0.049093
86.	0.	5.09284	13.8000	13.8874	10.1673	359.952	28.3693	9.4197	0.049658
87.	0.	5.08461	13.8000	13.8874	10.1620	359.953	28.3330	9.4001	0.050135
88.	0.	5.07589	13.7999	13.8874	10.1561	359.954	28.3021	9.3907	0.050700
89.	0.	5.06708	13.7999	13.8874	10.1502	359.955	28.2674	9.3813	0.051263
90.	0.	5.05883	13.7999	13.8874	10.1453	359.957	28.2312	9.3617	0.051736
91.	0.	5.05011	13.7998	13.8874	10.1397	359.959	28.2005	9.3523	0.052297
92.	0.	5.04146	13.7998	13.8874	10.1343	359.961	28.1718	9.3429	0.052856
93.	0.	5.03270	13.7997	13.8874	10.1289	359.963	28.1383	9.3334	0.053412
94.	0.	5.02449	13.7997	13.8874	10.1244	359.965	28.1030	9.3139	0.053879
95.	0.	5.01581	13.7997	13.8874	10.1193	359.967	28.0730	9.3044	0.054433
96.	0.	5.00707	13.7996	13.8874	10.1142	359.969	28.0394	9.2950	0.054985
97.	0.	4.99889	13.7996	13.8874	10.1099	359.971	28.0042	9.2754	0.055447
98.	0.	4.99025	13.7995	13.8874	10.1050	359.974	27.9746	9.2660	0.055997
99.	0.	4.98168	13.7994	13.8874	10.1001	359.976	27.9468	9.2565	0.056545
100.	0.	4.97316	13.7994	13.8874	10.0954	359.978	27.9197	9.2471	0.057089
101.	0.	4.96467	13.7993	13.8874	10.0907	359.981	27.8930	9.2376	0.057630
102.	0.	4.95621	13.7993	13.8874	10.0861	359.983	27.8664	9.2282	0.058169
103.	0.	4.94776	13.7992	13.8874	10.0816	359.986	27.8401	9.2187	0.058705
104.	0.	4.93935	13.7991	13.8874	10.0772	359.988	27.8139	9.2092	0.059237
105.	0.	4.93116	13.7991	13.8874	10.0717	359.987	27.7829	9.1998	0.059766
106.	0.	4.92366	13.7990	13.8874	10.0661	359.990	27.7514	9.1802	0.060215
107.	0.	4.91593	13.7989	13.8874	10.0590	359.994	27.7248	9.1707	0.060747
108.	0.	4.90825	13.7989	13.8874	10.0515	359.997	27.6949	9.1613	0.061275
109.	0.	4.90114	13.7988	13.8874	10.0448	359.999	27.6636	9.1417	0.061716
110.	0.	4.89357	13.7987	13.8874	10.0373	0.001	27.6372	9.1322	0.062243
111.	0.	4.88596	13.7987	13.8874	10.0297	0.003	27.6071	9.1228	0.062767
112.	0.	4.87921	13.7986	13.8874	10.0225	0.009	27.5749	9.1032	0.063185
113.	0.	4.87159	13.7985	13.8874	10.0154	0.014	27.5439	9.0937	0.063697
114.	0.	4.86447	13.7984	13.8874	10.0095	0.022	27.5125	9.0741	0.064120
115.	0.	4.85660	13.7983	13.8874	10.0038	0.029	27.4868	9.0646	0.064636
116.	0.	4.84847	13.7982	13.8874	9.9987	0.036	27.4578	9.0552	0.065154
117.	0.	4.84090	13.7982	13.8874	9.9946	0.043	27.4271	9.0356	0.065582
118.	0.	4.83287	13.7981	13.8874	9.9897	0.051	27.4014	9.0261	0.066095
119.	0.	4.82479	13.7979	13.8874	9.9849	0.059	27.3723	9.0166	0.066605
120.	0.	4.81725	13.7979	13.8874	9.9810	0.068	27.3411	8.9970	0.067027
121.	0.	4.80903	13.7977	13.8874	9.9766	0.077	27.3096	8.9875	0.067537
122.	0.	4.80140	13.7977	13.8874	9.9732	0.085	27.2772	8.9680	0.067959
123.	0.	4.79341	13.7975	13.8874	9.9688	0.093	27.2494	8.9585	0.068460
124.	0.	4.78560	13.7974	13.8874	9.9640	0.102	27.2171	8.9489	0.068947
125.	0.	4.77877	13.7973	13.8874	9.9594	0.114	27.1821	8.9293	0.069323
126.	0.	4.77146	13.7972	13.8874	9.9540	0.127	27.1520	8.9198	0.069786

127.	0.	4.76420	13.7971	13.8874	9.9484	0.140	27.1186	8.9102	0.070244
128.	0.	4.75848	13.7970	13.8874	9.9411	0.155	27.0826	8.8906	0.070582
129.	0.	4.75190	13.7969	13.8874	9.9336	0.166	27.0480	8.8810	0.071020
130.	0.	4.74599	13.7968	13.8874	9.9268	0.176	27.0124	8.8614	0.071365
131.	0.	4.73957	13.7966	13.8874	9.9192	0.187	26.9828	8.8518	0.071803
132.	0.	4.73310	13.7965	13.8874	9.9116	0.199	26.9503	8.8422	0.072238
133.	0.	4.72728	13.7964	13.8874	9.9048	0.211	26.9162	8.8226	0.072581
134.	0.	4.72087	13.7963	13.8874	9.8973	0.223	26.8873	8.8130	0.073019
135.	0.	4.71437	13.7962	13.8874	9.8899	0.235	26.8552	8.8035	0.073455
136.	0.	4.70852	13.7961	13.8874	9.8832	0.248	26.8214	8.7838	0.073798
137.	0.	4.70210	13.7959	13.8874	9.8759	0.261	26.7929	8.7742	0.074235
138.	0.	4.69590	13.7958	13.8874	9.8675	0.277	26.7613	8.7647	0.074668
139.	0.	4.69040	13.7957	13.8874	9.8596	0.296	26.7286	8.7450	0.075011
140.	0.	4.68421	13.7956	13.8874	9.8512	0.314	26.7019	8.7355	0.075453
141.	0.	4.67788	13.7955	13.8874	9.8430	0.334	26.6724	8.7259	0.075897
142.	0.	4.67217	13.7954	13.8874	9.8356	0.355	26.6414	8.7062	0.076249
143.	0.	4.66568	13.7953	13.8874	9.8277	0.376	26.6109	8.6967	0.076698
144.	0.	4.65986	13.7952	13.8874	9.8205	0.398	26.5797	8.6771	0.077054
145.	0.	4.65332	13.7951	13.8874	9.8127	0.419	26.5493	8.6675	0.077506
146.	0.	4.64745	13.7950	13.8874	9.8056	0.442	26.5183	8.6479	0.077865
147.	0.	4.64085	13.7949	13.8874	9.7979	0.463	26.4881	8.6383	0.078320
148.	0.	4.63489	13.7948	13.8874	9.7910	0.486	26.4574	8.6187	0.078682
149.	0.	4.62821	13.7947	13.8874	9.7834	0.509	26.4273	8.6091	0.079141
150.	0.	4.62209	13.7946	13.8874	9.7766	0.532	26.3921	8.5895	0.079506
151.	0.	4.61600	13.7946	13.8874	9.7699	0.556	26.3602	8.5699	0.079874
152.	0.	4.60920	13.7945	13.8874	9.7625	0.579	26.3299	8.5603	0.080340
153.	0.	4.60308	13.7944	13.8874	9.7558	0.603	26.2996	8.5407	0.080712
154.	0.	4.59624	13.7943	13.8874	9.7484	0.626	26.2701	8.5312	0.081180
155.	0.	4.58989	13.7943	13.8874	9.7418	0.651	26.2310	8.5116	0.081553
156.	0.	4.58434	13.7942	13.8874	9.7352	0.674	26.1877	8.4818	0.081828
157.	0.	4.57806	13.7941	13.8874	9.7277	0.696	26.1437	8.4622	0.082202
158.	0.	4.57241	13.7941	13.8874	9.7209	0.719	26.0987	8.4325	0.082486
159.	0.	4.56598	13.7940	13.8874	9.7132	0.741	26.0542	8.4129	0.082872
160.	0.	4.56014	13.7940	13.8874	9.7065	0.763	26.0085	8.3832	0.083168
161.	0.	4.55347	13.7939	13.8874	9.6991	0.784	25.9631	8.3636	0.083569
162.	0.	4.54735	13.7939	13.8874	9.6928	0.806	25.9169	8.3339	0.083880
163.	0.	4.54039	13.7938	13.8874	9.6858	0.826	25.8710	8.3143	0.084297
164.	0.	4.53405	13.7938	13.8874	9.6797	0.847	25.8243	8.2846	0.084621
165.	0.	4.52698	13.7937	13.8874	9.6729	0.868	25.7827	8.2651	0.085052
166.	0.	4.51975	13.7937	13.8874	9.6663	0.888	25.7380	8.2455	0.085488
167.	0.	4.51308	13.7937	13.8874	9.6606	0.909	25.6914	8.2158	0.085831
168.	0.	4.50577	13.7936	13.8874	9.6537	0.929	25.6439	8.1963	0.086275
169.	0.	4.49930	13.7936	13.8874	9.6471	0.952	25.5945	8.1666	0.086616
170.	0.	4.49203	13.7935	13.8874	9.6397	0.974	25.5456	8.1471	0.087065
171.	0.	4.48555	13.7935	13.8874	9.6327	0.999	25.4959	8.1174	0.087414
172.	0.	4.47831	13.7935	13.8874	9.6248	1.024	25.4469	8.0979	0.087869
173.	0.	4.47188	13.7935	13.8874	9.6172	1.053	25.3983	8.0682	0.088226
174.	0.	4.46473	13.7934	13.8874	9.6086	1.083	25.3509	8.0487	0.088689
175.	0.	4.45822	13.7934	13.8874	9.6008	1.113	25.3030	8.0191	0.089055
176.	0.	4.45091	13.7934	13.8874	9.5922	1.143	25.2559	7.9995	0.089532
177.	0.	4.44425	13.7934	13.8874	9.5843	1.174	25.2083	7.9699	0.089911
178.	0.	4.43689	13.7933	13.8874	9.5757	1.204	25.1661	7.9504	0.090401
179.	0.	4.42944	13.7933	13.8874	9.5670	1.235	25.1210	7.9309	0.090893
180.	0.	4.42267	13.7933	13.8874	9.5590	1.267	25.0743	7.9013	0.091285
181.	0.	4.41513	13.7933	13.8874	9.5500	1.298	25.0280	7.8818	0.091786
182.	0.	4.40827	13.7932	13.8874	9.5419	1.330	24.9807	7.8522	0.092187
183.	0.	4.40062	13.7932	13.8874	9.5328	1.362	24.9348	7.8327	0.092699
184.	0.	4.39363	13.7932	13.8874	9.5246	1.396	24.8881	7.8031	0.093114
185.	0.	4.38587	13.7932	13.8874	9.5155	1.429	24.8470	7.7836	0.093644
186.	0.	4.37810	13.7932	13.8874	9.5064	1.462	24.8077	7.7642	0.094178
187.	0.	4.37031	13.7931	13.8874	9.4973	1.495	24.7690	7.7447	0.094715
188.	0.	4.36251	13.7931	13.8874	9.4881	1.529	24.7309	7.7253	0.095255
189.	0.	4.35468	13.7931	13.8874	9.4790	1.562	24.6931	7.7058	0.095797
190.	0.	4.34684	13.7931	13.8874	9.4697	1.596	24.6556	7.6863	0.096342
191.	0.	4.33897	13.7931	13.8874	9.4605	1.629	24.6182	7.6669	0.096890
192.	0.	4.33109	13.7931	13.8874	9.4512	1.663	24.5811	7.6474	0.097439
193.	0.	4.32319	13.7931	13.8874	9.4418	1.696	24.5443	7.6280	0.097991

194.	0.	4.31528	13.7930	13.8874	9.4324	1.730	24.5078	7.6085	0.098545
195.	0.	4.30735	13.7930	13.8874	9.4229	1.764	24.4716	7.5891	0.099102
196.	0.	4.29941	13.7930	13.8874	9.4131	1.797	24.4307	7.5697	0.099656
197.	0.	4.29219	13.7930	13.8874	9.4041	1.832	24.3878	7.5401	0.100104
198.	0.	4.28422	13.7930	13.8874	9.3941	1.866	24.3501	7.5207	0.100669
199.	0.	4.27619	13.7930	13.8874	9.3841	1.900	24.3095	7.5012	0.101235
200.	0.	4.26885	13.7930	13.8874	9.3748	1.936	24.2673	7.4717	0.101697
201.	0.	4.26069	13.7930	13.8874	9.3646	1.970	24.2262	7.4523	0.102275
202.	0.	4.25325	13.7930	13.8874	9.3551	2.005	24.1846	7.4227	0.102747
203.	0.	4.24503	13.7930	13.8874	9.3448	2.041	24.1492	7.4033	0.103341
204.	0.	4.23663	13.7930	13.8874	9.3347	2.077	24.1115	7.3839	0.103942
205.	0.	4.22890	13.7930	13.8874	9.3255	2.115	24.0732	7.3544	0.104440
206.	0.	4.22043	13.7930	13.8874	9.3152	2.152	24.0404	7.3351	0.105057
207.	0.	4.21188	13.7930	13.8874	9.3049	2.189	24.0053	7.3157	0.105675
208.	0.	4.20397	13.7930	13.8874	9.2956	2.229	23.9692	7.2862	0.106191
209.	0.	4.19518	13.7929	13.8874	9.2854	2.270	23.9340	7.2668	0.106828
210.	0.	4.18708	13.7929	13.8874	9.2762	2.312	23.8985	7.2374	0.107359
211.	0.	4.17818	13.7929	13.8874	9.2660	2.355	23.8687	7.2180	0.108013
212.	0.	4.16921	13.7929	13.8874	9.2558	2.398	23.8366	7.1987	0.108669
213.	0.	4.16109	13.7929	13.8874	9.2460	2.442	23.8033	7.1692	0.109213
214.	0.	4.15226	13.7929	13.8874	9.2350	2.485	23.7758	7.1499	0.109877
215.	0.	4.14369	13.7929	13.8874	9.2228	2.531	23.7467	7.1305	0.110539
216.	0.	4.13589	13.7929	13.8874	9.2112	2.580	23.7168	7.1011	0.111091
217.	0.	4.12739	13.7929	13.8874	9.1982	2.630	23.6927	7.0818	0.111765
218.	0.	4.11892	13.7929	13.8874	9.1851	2.681	23.6710	7.0624	0.112442
219.	0.	4.11044	13.7929	13.8874	9.1720	2.732	23.6503	7.0431	0.113122
220.	0.	4.10191	13.7929	13.8874	9.1588	2.784	23.6305	7.0238	0.113806
221.	0.	4.09334	13.7929	13.8874	9.1457	2.837	23.6114	7.0045	0.114494
222.	0.	4.08472	13.7929	13.8874	9.1326	2.890	23.5927	6.9852	0.115186
223.	0.	4.07583	13.7929	13.8874	9.1198	2.941	23.5694	6.9659	0.115885
224.	0.	4.06734	13.7929	13.8874	9.1088	2.989	23.5425	6.9365	0.116484
225.	0.	4.05799	13.7929	13.8874	9.0970	3.036	23.5210	6.9172	0.117210
226.	0.	4.04852	13.7929	13.8874	9.0854	3.083	23.5010	6.8979	0.117943
227.	0.	4.03895	13.7929	13.8874	9.0741	3.131	23.4808	6.8787	0.118680
228.	0.	4.02928	13.7929	13.8874	9.0630	3.177	23.4605	6.8594	0.119422
229.	0.	4.01951	13.7929	13.8874	9.0522	3.223	23.4398	6.8402	0.120167
230.	0.	4.00950	13.7929	13.8874	9.0420	3.266	23.4184	6.8209	0.120923
231.	0.	3.99938	13.7929	13.8874	9.0319	3.307	23.3968	6.8017	0.121683
232.	0.	3.98912	13.7929	13.8874	9.0221	3.348	23.3702	6.7824	0.122445
233.	0.	3.97953	13.7929	13.8874	9.0132	3.388	23.3386	6.7531	0.123095
234.	0.	3.96909	13.7929	13.8874	9.0035	3.426	23.3096	6.7339	0.123872
235.	0.	3.95862	13.7930	13.8874	8.9937	3.463	23.2818	6.7147	0.124651
236.	0.	3.94810	13.7930	13.8874	8.9842	3.500	23.2542	6.6954	0.125432
237.	0.	3.93753	13.7930	13.8874	8.9748	3.535	23.2264	6.6762	0.126216
238.	0.	3.92690	13.7930	13.8874	8.9655	3.571	23.1985	6.6570	0.127001
239.	0.	3.91622	13.7930	13.8874	8.9564	3.607	23.1706	6.6378	0.127789
240.	0.	3.90543	13.7930	13.8874	8.9474	3.641	23.1379	6.6186	0.128576
241.	0.	3.89521	13.7930	13.8874	8.9398	3.675	23.1017	6.5893	0.129256
242.	0.	3.88422	13.7930	13.8874	8.9311	3.709	23.0705	6.5701	0.130059
243.	0.	3.87311	13.7931	13.8874	8.9228	3.741	23.0389	6.5509	0.130867
244.	0.	3.86198	13.7931	13.8874	8.9146	3.772	23.0075	6.5317	0.131677
245.	0.	3.85083	13.7931	13.8874	8.9064	3.802	22.9761	6.5125	0.132487
246.	0.	3.83965	13.7931	13.8874	8.8984	3.833	22.9448	6.4933	0.133298
247.	0.	3.82842	13.7931	13.8874	8.8905	3.863	22.9133	6.4741	0.134111
248.	0.	3.81717	13.7931	13.8874	8.8826	3.892	22.8817	6.4549	0.134925
249.	0.	3.80589	13.7931	13.8874	8.8749	3.921	22.8500	6.4357	0.135741
250.	0.	3.79459	13.7932	13.8874	8.8673	3.949	22.8182	6.4166	0.136557
251.	0.	3.78327	13.7932	13.8874	8.8597	3.976	22.7863	6.3974	0.137372
252.	0.	3.77192	13.7932	13.8874	8.8523	4.003	22.7544	6.3782	0.138189
253.	0.	3.76053	13.7932	13.8874	8.8451	4.030	22.7224	6.3590	0.139007
254.	0.	3.74910	13.7932	13.8874	8.8380	4.055	22.6903	6.3398	0.139825
255.	0.	3.73757	13.7933	13.8874	8.8311	4.079	22.6535	6.3206	0.140643
256.	0.	3.72661	13.7933	13.8874	8.8256	4.102	22.6128	6.2914	0.141351
257.	0.	3.71512	13.7933	13.8874	8.8184	4.124	22.5775	6.2722	0.142174
258.	0.	3.70363	13.7933	13.8874	8.8112	4.147	22.5435	6.2530	0.142999
259.	0.	3.69213	13.7934	13.8874	8.8042	4.169	22.5099	6.2338	0.143824
260.	0.	3.68060	13.7934	13.8874	8.7973	4.191	22.4766	6.2146	0.144649

261.	0.	3.66905	13.7934	13.8874	8.7905	4.212	22.4433	6.1955	0.145475
262.	0.	3.65748	13.7934	13.8874	8.7838	4.232	22.4100	6.1763	0.146301
263.	0.	3.64590	13.7935	13.8874	8.7772	4.252	22.3768	6.1571	0.147127
264.	0.	3.63424	13.7935	13.8874	8.7707	4.271	22.3387	6.1380	0.147952
265.	0.	3.62306	13.7936	13.8874	8.7660	4.287	22.2954	6.1087	0.148670
266.	0.	3.61126	13.7936	13.8874	8.7596	4.305	22.2547	6.0895	0.149503
267.	0.	3.60003	13.7936	13.8874	8.7549	4.321	22.2115	6.0602	0.150228
268.	0.	3.58816	13.7937	13.8874	8.7486	4.338	22.1750	6.0411	0.151073
269.	0.	3.57624	13.7937	13.8874	8.7424	4.355	22.1353	6.0219	0.151918
270.	0.	3.56488	13.7938	13.8874	8.7379	4.370	22.0921	5.9927	0.152652
271.	0.	3.55283	13.7938	13.8874	8.7317	4.385	22.0507	5.9735	0.153506
272.	0.	3.54135	13.7939	13.8874	8.7273	4.400	22.0066	5.9443	0.154250
273.	0.	3.52924	13.7939	13.8874	8.7213	4.415	21.9695	5.9251	0.155117
274.	0.	3.51708	13.7940	13.8874	8.7154	4.430	21.9292	5.9060	0.155981
275.	0.	3.50549	13.7941	13.8874	8.7112	4.443	21.8853	5.8767	0.156734
276.	0.	3.49327	13.7941	13.8874	8.7054	4.457	21.8481	5.8576	0.157610
277.	0.	3.48101	13.7942	13.8874	8.6996	4.471	21.8076	5.8385	0.158484
278.	0.	3.46933	13.7942	13.8874	8.6956	4.483	21.7634	5.8092	0.159245
279.	0.	3.45701	13.7943	13.8874	8.6900	4.497	21.7261	5.7901	0.160129
280.	0.	3.44471	13.7944	13.8874	8.6844	4.510	21.6904	5.7710	0.161013
281.	0.	3.43236	13.7945	13.8874	8.6789	4.522	21.6504	5.7519	0.161894
282.	0.	3.42060	13.7945	13.8874	8.6752	4.533	21.6062	5.7227	0.162661
283.	0.	3.40821	13.7946	13.8874	8.6698	4.545	21.5688	5.7036	0.163551
284.	0.	3.39589	13.7947	13.8874	8.6643	4.558	21.5327	5.6844	0.164439
285.	0.	3.38364	13.7948	13.8874	8.6587	4.571	21.4970	5.6653	0.165324
286.	0.	3.37134	13.7949	13.8874	8.6532	4.582	21.4566	5.6462	0.166205
287.	0.	3.35961	13.7950	13.8874	8.6496	4.592	21.4119	5.6170	0.166974
288.	0.	3.34728	13.7951	13.8874	8.6441	4.603	21.3740	5.5979	0.167864
289.	0.	3.33496	13.7952	13.8874	8.6388	4.615	21.3376	5.5788	0.168753
290.	0.	3.32267	13.7953	13.8874	8.6335	4.626	21.3018	5.5596	0.169641
291.	0.	3.31035	13.7954	13.8874	8.6282	4.636	21.2613	5.5405	0.170526
292.	0.	3.29859	13.7955	13.8874	8.6249	4.644	21.2162	5.5113	0.171297
293.	0.	3.28622	13.7956	13.8874	8.6197	4.655	21.1777	5.4922	0.172190
294.	0.	3.27389	13.7957	13.8874	8.6146	4.665	21.1415	5.4731	0.173082
295.	0.	3.26159	13.7958	13.8874	8.6096	4.675	21.1060	5.4540	0.173972
296.	0.	3.24930	13.7960	13.8874	8.6047	4.685	21.0706	5.4349	0.174861
297.	0.	3.23703	13.7961	13.8874	8.5998	4.694	21.0353	5.4157	0.175747
298.	0.	3.22479	13.7962	13.8874	8.5950	4.704	21.0001	5.3966	0.176631
299.	0.	3.21257	13.7964	13.8874	8.5903	4.713	20.9650	5.3775	0.177513
300.	0.	3.20032	13.7965	13.8874	8.5857	4.721	20.9251	5.3584	0.178392
301.	0.	3.18860	13.7966	13.8874	8.5830	4.726	20.8806	5.3292	0.179160
302.	0.	3.17631	13.7968	13.8874	8.5784	4.734	20.8437	5.3100	0.180048
303.	0.	3.16407	13.7969	13.8874	8.5739	4.743	20.8085	5.2909	0.180934
304.	0.	3.15185	13.7971	13.8874	8.5694	4.751	20.7739	5.2718	0.181818
305.	0.	3.13966	13.7972	13.8874	8.5649	4.759	20.7396	5.2527	0.182700
306.	0.	3.12752	13.7974	13.8874	8.5605	4.768	20.7058	5.2336	0.183579
307.	0.	3.11541	13.7976	13.8874	8.5561	4.776	20.6720	5.2145	0.184456
308.	0.	3.10327	13.7977	13.8874	8.5518	4.783	20.6335	5.1953	0.185329
309.	0.	3.09163	13.7979	13.8874	8.5494	4.788	20.5852	5.1661	0.186090
310.	0.	3.07993	13.7981	13.8874	8.5471	4.793	20.5395	5.1369	0.186861
311.	0.	3.06768	13.7982	13.8874	8.5424	4.800	20.4983	5.1178	0.187751
312.	0.	3.05592	13.7984	13.8874	8.5398	4.803	20.4495	5.0885	0.188530
313.	0.	3.04410	13.7986	13.8874	8.5372	4.808	20.4042	5.0593	0.189321
314.	0.	3.03169	13.7988	13.8874	8.5324	4.814	20.3635	5.0402	0.190232
315.	0.	3.01976	13.7990	13.8874	8.5297	4.817	20.3151	5.0110	0.191032
316.	0.	3.00777	13.7992	13.8874	8.5270	4.821	20.2700	4.9818	0.191843
317.	0.	2.99518	13.7994	13.8874	8.5222	4.827	20.2297	4.9628	0.192775
318.	0.	2.98312	13.7996	13.8874	8.5195	4.830	20.1863	4.9336	0.193596
319.	0.	2.97046	13.7998	13.8874	8.5146	4.836	20.1468	4.9145	0.194538
320.	0.	2.95829	13.8000	13.8874	8.5120	4.838	20.0991	4.8854	0.195367
321.	0.	2.94631	13.8002	13.8874	8.5083	4.844	20.0547	4.8562	0.196200
322.	0.	2.93383	13.8004	13.8874	8.5020	4.853	20.0154	4.8372	0.197150
323.	0.	2.92185	13.8007	13.8874	8.4978	4.860	19.9684	4.8080	0.197989
324.	0.	2.90983	13.8009	13.8874	8.4934	4.869	19.9250	4.7788	0.198839
325.	0.	2.89722	13.8011	13.8874	8.4867	4.879	19.8866	4.7598	0.199811
326.	0.	2.88508	13.8013	13.8874	8.4824	4.888	19.8406	4.7307	0.200672
327.	0.	2.87285	13.8016	13.8874	8.4780	4.897	19.7979	4.7015	0.201545

328.	0.	2.86001	13.8018	13.8874	8.4714	4.909	19.7598	4.6825	0.202541
329.	0.	2.84772	13.8020	13.8874	8.4671	4.919	19.7187	4.6534	0.203424
330.	0.	2.83484	13.8023	13.8874	8.4606	4.933	19.6864	4.6344	0.204432
331.	0.	2.82197	13.8025	13.8874	8.4542	4.946	19.6560	4.6154	0.205439
332.	0.	2.80914	13.8028	13.8874	8.4479	4.960	19.6262	4.5964	0.206442
333.	0.	2.79632	13.8030	13.8874	8.4418	4.973	19.5968	4.5774	0.207442
334.	0.	2.78344	13.8032	13.8874	8.4362	4.986	19.5678	4.5584	0.208442
335.	0.	2.77057	13.8035	13.8874	8.4309	4.998	19.5386	4.5394	0.209439
336.	0.	2.75766	13.8037	13.8874	8.4260	5.008	19.5093	4.5204	0.210434
337.	0.	2.74476	13.8039	13.8874	8.4213	5.018	19.4799	4.5014	0.211426
338.	0.	2.73206	13.8041	13.8874	8.4163	5.030	19.4550	4.4824	0.212410
339.	0.	2.71906	13.8044	13.8874	8.4088	5.045	19.4405	4.4735	0.213493
340.	0.	2.70633	13.8046	13.8874	8.4013	5.063	19.4341	4.4646	0.214556
341.	0.	2.69317	13.8048	13.8874	8.3923	5.083	19.4370	4.4657	0.215718
342.	0.	2.68027	13.8050	13.8874	8.3837	5.100	19.4360	4.4668	0.216845
343.	0.	2.66819	13.8052	13.8874	8.3776	5.116	19.4320	4.4578	0.217833
344.	0.	2.65581	13.8054	13.8874	8.3694	5.133	19.4303	4.4589	0.218903
345.	0.	2.64423	13.8056	13.8874	8.3638	5.147	19.4264	4.4498	0.219837
346.	0.	2.63235	13.8058	13.8874	8.3560	5.163	19.4251	4.4509	0.220855
347.	0.	2.62128	13.8060	13.8874	8.3506	5.177	19.4217	4.4417	0.221740
348.	0.	2.60995	13.8061	13.8874	8.3430	5.195	19.4272	4.4427	0.222708
349.	0.	2.59888	13.8063	13.8874	8.3355	5.211	19.4288	4.4436	0.223647
350.	0.	2.58858	13.8065	13.8874	8.3305	5.225	19.4269	4.4345	0.224457
351.	0.	2.57792	13.8067	13.8874	8.3233	5.240	19.4270	4.4354	0.225352
352.	0.	2.56805	13.8068	13.8874	8.3184	5.253	19.4255	4.4261	0.226123
353.	0.	2.55782	13.8070	13.8874	8.3112	5.266	19.4265	4.4270	0.226980
354.	0.	2.54829	13.8071	13.8874	8.3066	5.279	19.4249	4.4177	0.227715
355.	0.	2.53846	13.8073	13.8874	8.2997	5.295	19.4319	4.4185	0.228537
356.	0.	2.52882	13.8075	13.8874	8.2931	5.311	19.4345	4.4193	0.229335
357.	0.	2.51987	13.8076	13.8874	8.2889	5.324	19.4335	4.4100	0.230015
358.	0.	2.51055	13.8078	13.8874	8.2824	5.338	19.4344	4.4108	0.230780
359.	0.	2.50196	13.8079	13.8874	8.2781	5.351	19.4345	4.4014	0.231431
360.	0.	2.49299	13.8081	13.8874	8.2715	5.364	19.4372	4.4022	0.232168
361.	0.	2.48467	13.8082	13.8874	8.2674	5.376	19.4367	4.3928	0.232792
362.	0.	2.47600	13.8084	13.8874	8.2612	5.391	19.4445	4.3935	0.233503
363.	0.	2.46749	13.8085	13.8874	8.2550	5.403	19.4481	4.3942	0.234194
364.	0.	2.45963	13.8086	13.8874	8.2513	5.415	19.4478	4.3848	0.234775
365.	0.	2.45138	13.8088	13.8874	8.2453	5.427	19.4494	4.3854	0.235440
366.	0.	2.44378	13.8089	13.8874	8.2417	5.438	19.4485	4.3760	0.235998
367.	0.	2.43577	13.8090	13.8874	8.2359	5.449	19.4497	4.3766	0.236640
368.	0.	2.42842	13.8092	13.8874	8.2323	5.459	19.4491	4.3672	0.237176
369.	0.	2.42074	13.8093	13.8874	8.2264	5.473	19.4575	4.3678	0.237797
370.	0.	2.41311	13.8094	13.8874	8.2207	5.484	19.4557	4.3684	0.238402
371.	0.	2.40646	13.8096	13.8874	8.2199	5.489	19.4395	4.3488	0.238814
372.	0.	2.39926	13.8097	13.8874	8.2168	5.494	19.4221	4.3393	0.239321
373.	0.	2.39249	13.8098	13.8874	8.2163	5.496	19.3948	4.3197	0.239734
374.	0.	2.38567	13.8100	13.8874	8.2158	5.499	19.3701	4.3002	0.240154
375.	0.	2.37832	13.8101	13.8874	8.2130	5.502	19.3486	4.2907	0.240671
376.	0.	2.37141	13.8103	13.8874	8.2127	5.503	19.3187	4.2711	0.241094
377.	0.	2.36447	13.8104	13.8874	8.2124	5.505	19.2921	4.2515	0.241523
378.	0.	2.35700	13.8105	13.8874	8.2097	5.508	19.2691	4.2420	0.242049
379.	0.	2.34998	13.8107	13.8874	8.2096	5.508	19.2377	4.2225	0.242481
380.	0.	2.34294	13.8108	13.8874	8.2094	5.509	19.2095	4.2029	0.242919
381.	0.	2.33537	13.8110	13.8874	8.2068	5.511	19.1849	4.1935	0.243454
382.	0.	2.32826	13.8111	13.8874	8.2068	5.511	19.1519	4.1739	0.243894
383.	0.	2.32113	13.8113	13.8874	8.2068	5.511	19.1224	4.1543	0.244340
384.	0.	2.31346	13.8114	13.8874	8.2043	5.513	19.0968	4.1449	0.244884
385.	0.	2.30627	13.8116	13.8874	8.2043	5.512	19.0627	4.1253	0.245332
386.	0.	2.29906	13.8117	13.8874	8.2044	5.512	19.0321	4.1058	0.245786
387.	0.	2.29130	13.8119	13.8874	8.2020	5.513	19.0054	4.0963	0.246338
388.	0.	2.28402	13.8120	13.8874	8.2021	5.512	18.9701	4.0768	0.246794
389.	0.	2.27672	13.8122	13.8874	8.2023	5.512	18.9384	4.0573	0.247256
390.	0.	2.26888	13.8123	13.8874	8.2000	5.514	18.9110	4.0478	0.247817
391.	0.	2.26155	13.8125	13.8874	8.2002	5.512	18.8750	4.0283	0.248280
392.	0.	2.25419	13.8127	13.8874	8.2004	5.513	18.8427	4.0087	0.248749
393.	0.	2.24629	13.8128	13.8874	8.1980	5.514	18.8143	3.9993	0.249318
394.	0.	2.23888	13.8130	13.8874	8.1983	5.513	18.7770	3.9798	0.249788

395.	0.	2.23144	13.8132	13.8874	8.1987	5.513	18.7440	3.9603	0.250265
396.	0.	2.22346	13.8133	13.8874	8.1964	5.515	18.7151	3.9508	0.250842
397.	0.	2.21597	13.8135	13.8874	8.1969	5.514	18.6775	3.9313	0.251320
398.	0.	2.20846	13.8136	13.8874	8.1974	5.514	18.6437	3.9118	0.251804
399.	0.	2.20039	13.8138	13.8874	8.1953	5.515	18.6140	3.9024	0.252389
400.	0.	2.19284	13.8140	13.8874	8.1959	5.514	18.5755	3.8829	0.252874
401.	0.	2.18526	13.8141	13.8874	8.1966	5.514	18.5408	3.8634	0.253365
402.	0.	2.17711	13.8143	13.8874	8.1946	5.516	18.5103	3.8540	0.253958
403.	0.	2.16950	13.8145	13.8874	8.1953	5.514	18.4709	3.8344	0.254449
404.	0.	2.16186	13.8147	13.8874	8.1961	5.514	18.4354	3.8149	0.254948
405.	0.	2.15364	13.8148	13.8874	8.1943	5.516	18.4040	3.8055	0.255548
406.	0.	2.14597	13.8150	13.8874	8.1951	5.514	18.3640	3.7860	0.256046
407.	0.	2.13823	13.8152	13.8874	8.1961	5.512	18.3213	3.7666	0.256550
408.	0.	2.13045	13.8154	13.8874	8.1970	5.511	18.2840	3.7471	0.257061
409.	0.	2.12209	13.8155	13.8874	8.1954	5.513	18.2512	3.7377	0.257677
410.	0.	2.11430	13.8157	13.8874	8.1965	5.511	18.2097	3.7182	0.258188
411.	0.	2.10647	13.8159	13.8874	8.1976	5.511	18.1723	3.6987	0.258706
412.	0.	2.09804	13.8161	13.8874	8.1961	5.512	18.1390	3.6893	0.259329
413.	0.	2.09020	13.8163	13.8874	8.1973	5.510	18.0969	3.6698	0.259846
414.	0.	2.08232	13.8165	13.8874	8.1986	5.510	18.0589	3.6504	0.260371
415.	0.	2.07383	13.8166	13.8874	8.1972	5.511	18.0250	3.6410	0.261001
416.	0.	2.06594	13.8168	13.8874	8.1986	5.509	17.9823	3.6215	0.261524
417.	0.	2.05797	13.8170	13.8874	8.2001	5.506	17.9372	3.6021	0.262054
418.	0.	2.04998	13.8172	13.8874	8.2016	5.506	17.8975	3.5826	0.262591
419.	0.	2.04136	13.8174	13.8874	8.2004	5.506	17.8621	3.5732	0.263235
420.	0.	2.03337	13.8176	13.8874	8.2020	5.505	17.8188	3.5538	0.263771
421.	0.	2.02535	13.8178	13.8874	8.2036	5.505	17.7793	3.5343	0.264313
422.	0.	2.01667	13.8180	13.8874	8.2027	5.505	17.7436	3.5250	0.264964
423.	0.	2.00865	13.8182	13.8874	8.2043	5.504	17.6998	3.5055	0.265505
424.	0.	2.00055	13.8184	13.8874	8.2062	5.501	17.6537	3.4861	0.266052
425.	0.	1.99242	13.8186	13.8874	8.2080	5.501	17.6125	3.4666	0.266607
426.	0.	1.98361	13.8188	13.8874	8.2074	5.501	17.5751	3.4573	0.267273
427.	0.	1.97548	13.8190	13.8874	8.2093	5.499	17.5296	3.4378	0.267826
428.	0.	1.96731	13.8192	13.8874	8.2114	5.498	17.4882	3.4184	0.268386
429.	0.	1.95844	13.8194	13.8874	8.2110	5.498	17.4502	3.4091	0.269058
430.	0.	1.95031	13.8196	13.8874	8.2132	5.497	17.4102	3.3896	0.269618
431.	0.	1.94151	13.8198	13.8874	8.2129	5.500	17.3787	3.3803	0.270290
432.	0.	1.93278	13.8199	13.8874	8.2127	5.500	17.3433	3.3710	0.270953
433.	0.	1.92478	13.8201	13.8874	8.2151	5.500	17.3039	3.3515	0.271502
434.	0.	1.91607	13.8203	13.8874	8.2150	5.499	17.2661	3.3422	0.272163
435.	0.	1.90809	13.8205	13.8874	8.2176	5.499	17.2256	3.3227	0.272711
436.	0.	1.89940	13.8207	13.8874	8.2176	5.498	17.1870	3.3134	0.273371
437.	0.	1.89145	13.8209	13.8874	8.2203	5.497	17.1461	3.2939	0.273918
438.	0.	1.88279	13.8211	13.8874	8.2205	5.497	17.1070	3.2846	0.274576
439.	0.	1.87487	13.8213	13.8874	8.2234	5.496	17.0656	3.2651	0.275122
440.	0.	1.86626	13.8215	13.8874	8.2236	5.498	17.0323	3.2558	0.275781
441.	0.	1.85772	13.8217	13.8874	8.2240	5.498	16.9951	3.2464	0.276431
442.	0.	1.84993	13.8219	13.8874	8.2270	5.498	16.9540	3.2270	0.276967
443.	0.	1.84141	13.8221	13.8874	8.2274	5.497	16.9142	3.2176	0.277616
444.	0.	1.83364	13.8223	13.8874	8.2306	5.497	16.8720	3.1982	0.278151
445.	0.	1.82513	13.8225	13.8874	8.2312	5.496	16.8316	3.1888	0.278799
446.	0.	1.81739	13.8227	13.8874	8.2344	5.495	16.7888	3.1693	0.279334
447.	0.	1.80889	13.8229	13.8874	8.2352	5.495	16.7478	3.1600	0.279982
448.	0.	1.80116	13.8231	13.8874	8.2385	5.494	16.7046	3.1405	0.280516
449.	0.	1.79272	13.8233	13.8874	8.2394	5.496	16.6697	3.1312	0.281166
450.	0.	1.78434	13.8235	13.8874	8.2402	5.497	16.6304	3.1218	0.281806
451.	0.	1.77674	13.8237	13.8874	8.2437	5.496	16.5875	3.1023	0.282331
452.	0.	1.76838	13.8239	13.8874	8.2447	5.496	16.5457	3.0930	0.282971
453.	0.	1.76077	13.8241	13.8874	8.2483	5.492	16.4947	3.0735	0.283494
454.	0.	1.75307	13.8243	13.8874	8.2520	5.488	16.4410	3.0540	0.284026
455.	0.	1.74531	13.8246	13.8874	8.2559	5.486	16.3927	3.0346	0.284567
456.	0.	1.73672	13.8248	13.8874	8.2571	5.480	16.3346	3.0252	0.285223
457.	0.	1.73008	13.8250	13.8874	8.2665	5.452	16.2188	2.9855	0.285539
458.	0.	1.72588	13.8252	13.8874	8.2876	5.431	16.1055	2.9055	0.285451
459.	0.	1.71428	13.8254	13.8874	8.2844	5.438	16.0735	2.9165	0.286507
460.	0.	1.70397	13.8256	13.8874	8.2835	5.446	16.0441	2.9174	0.287397
461.	0.	1.69473	13.8259	13.8874	8.2851	5.451	16.0075	2.9081	0.288137

462.	0.	1.68557	13.8261	13.8874	8.2868	5.450	15.9553	2.8989	0.288862
463.	0.	1.67800	13.8263	13.8874	8.2938	5.447	15.8949	2.8693	0.289349
464.	0.	1.66877	13.8265	13.8874	8.2954	5.446	15.8432	2.8601	0.290084
465.	0.	1.66038	13.8267	13.8874	8.2998	5.443	15.7843	2.8407	0.290696
466.	0.	1.65196	13.8270	13.8874	8.3042	5.442	15.7301	2.8213	0.291315
467.	0.	1.64278	13.8272	13.8874	8.3059	5.445	15.6862	2.8121	0.292055
468.	0.	1.63375	13.8274	13.8874	8.3076	5.449	15.6454	2.8028	0.292783
469.	0.	1.62484	13.8276	13.8874	8.3092	5.451	15.5988	2.7935	0.293498
470.	0.	1.61680	13.8278	13.8874	8.3135	5.452	15.5481	2.7741	0.294087
471.	0.	1.60797	13.8280	13.8874	8.3151	5.452	15.4984	2.7648	0.294795
472.	0.	1.60001	13.8283	13.8874	8.3194	5.453	15.4463	2.7454	0.295379
473.	0.	1.59124	13.8285	13.8874	8.3210	5.453	15.3961	2.7361	0.296084
474.	0.	1.58334	13.8287	13.8874	8.3253	5.453	15.3436	2.7167	0.296665
475.	0.	1.57471	13.8289	13.8874	8.3270	5.463	15.3146	2.7074	0.297370
476.	0.	1.56485	13.8291	13.8874	8.3230	5.486	15.3295	2.7183	0.298290
477.	0.	1.55454	13.8293	13.8874	8.3163	5.491	15.2980	2.7393	0.299261
478.	0.	1.55060	13.8295	13.8874	8.3317	5.463	15.1741	2.6793	0.299280
479.	0.	1.54600	13.8298	13.8874	8.3475	5.438	15.0559	2.6194	0.299359
480.	0.	1.53750	13.8300	13.8874	8.3526	5.426	14.9725	2.6000	0.299994
481.	0.	1.52893	13.8302	13.8874	8.3577	5.422	14.9054	2.5806	0.300646
482.	0.	1.51951	13.8304	13.8874	8.3600	5.421	14.8458	2.5714	0.301427
483.	0.	1.51099	13.8306	13.8874	8.3651	5.417	14.7792	2.5521	0.302077
484.	0.	1.50244	13.8309	13.8874	8.3703	5.415	14.7178	2.5327	0.302735
485.	0.	1.49307	13.8311	13.8874	8.3727	5.418	14.6675	2.5235	0.303520
486.	0.	1.48385	13.8313	13.8874	8.3749	5.418	14.6135	2.5143	0.304290
487.	0.	1.47556	13.8315	13.8874	8.3799	5.416	14.5489	2.4949	0.304927
488.	0.	1.46725	13.8318	13.8874	8.3849	5.415	14.4885	2.4756	0.305570
489.	0.	1.45809	13.8320	13.8874	8.3869	5.414	14.4313	2.4663	0.306340
490.	0.	1.44983	13.8322	13.8874	8.3918	5.408	14.3582	2.4470	0.306976
491.	0.	1.44228	13.8324	13.8874	8.3998	5.399	14.2762	2.4175	0.307502
492.	0.	1.43366	13.8326	13.8874	8.4049	5.393	14.2006	2.3982	0.308178
493.	0.	1.42500	13.8329	13.8874	8.4101	5.392	14.1340	2.3789	0.308865
494.	0.	1.41551	13.8331	13.8874	8.4122	5.395	14.0801	2.3697	0.309682
495.	0.	1.40618	13.8333	13.8874	8.4143	5.397	14.0229	2.3605	0.310482
496.	0.	1.39783	13.8335	13.8874	8.4190	5.395	13.9559	2.3411	0.311143
497.	0.	1.38946	13.8337	13.8874	8.4236	5.393	13.8864	2.3218	0.311811
498.	0.	1.38097	13.8339	13.8874	8.4282	5.387	13.8086	2.3025	0.312488
499.	0.	1.37328	13.8342	13.8874	8.4357	5.384	13.7329	2.2731	0.313052
500.	0.	1.36362	13.8344	13.8874	8.4377	5.388	13.6773	2.2639	0.313902
501.	0.	1.35416	13.8346	13.8874	8.4396	5.392	13.6204	2.2547	0.314730
502.	0.	1.34571	13.8348	13.8874	8.4443	5.394	13.5541	2.2354	0.315416
503.	0.	1.33724	13.8350	13.8874	8.4489	5.397	13.4925	2.2161	0.316110
504.	0.	1.32794	13.8352	13.8874	8.4505	5.413	13.4574	2.2069	0.316937
505.	0.	1.31700	13.8354	13.8874	8.4463	5.412	13.3953	2.2180	0.317987
506.	0.	1.31258	13.8356	13.8874	8.4621	5.398	13.2901	2.1581	0.318114
507.	0.	1.30384	13.8358	13.8874	8.4664	5.393	13.2085	2.1388	0.318842
508.	0.	1.29507	13.8361	13.8874	8.4702	5.388	13.1339	2.1196	0.319580
509.	0.	1.28624	13.8363	13.8874	8.4739	5.383	13.0616	2.1003	0.320327
510.	0.	1.27732	13.8365	13.8874	8.4777	5.379	12.9903	2.0811	0.321088
511.	0.	1.26833	13.8367	13.8874	8.4816	5.374	12.9191	2.0619	0.321859
512.	0.	1.25925	13.8369	13.8874	8.4854	5.365	12.8398	2.0426	0.322639
513.	0.	1.25099	13.8371	13.8874	8.4920	5.352	12.7481	2.0133	0.323299
514.	0.	1.24252	13.8373	13.8874	8.4984	5.352	12.6835	1.9840	0.323999
515.	0.	1.23012	13.8375	13.8874	8.4932	5.360	12.6422	1.9953	0.325264
516.	0.	1.22106	13.8377	13.8874	8.4967	5.347	12.5560	1.9761	0.326051
517.	0.	1.21474	13.8379	13.8874	8.5087	5.327	12.4506	1.9264	0.326446
518.	0.	1.20479	13.8381	13.8874	8.5121	5.312	12.3587	1.9073	0.327346
519.	0.	1.19566	13.8384	13.8874	8.5184	5.296	12.2608	1.8781	0.328126
520.	0.	1.18619	13.8386	13.8874	8.5247	5.279	12.1605	1.8490	0.328950
521.	0.	1.17641	13.8388	13.8874	8.5308	5.265	12.0666	1.8198	0.329820
522.	0.	1.16536	13.8390	13.8874	8.5339	5.258	11.9843	1.8009	0.330876
523.	0.	1.15430	13.8392	13.8874	8.5369	5.252	11.9054	1.7819	0.331937
524.	0.	1.14322	13.8394	13.8874	8.5400	5.241	11.8198	1.7630	0.333003
525.	0.	1.13307	13.8396	13.8874	8.5460	5.221	11.7132	1.7339	0.333930
526.	0.	1.12357	13.8399	13.8874	8.5549	5.197	11.5977	1.6948	0.334757
527.	0.	1.11241	13.8401	13.8874	8.5607	5.172	11.4792	1.6658	0.335821
528.	0.	1.10189	13.8403	13.8874	8.5694	5.147	11.3571	1.6268	0.336789



529.	0.	1.08966	13.8406	13.8874	8.5749	5.121	11.2342	1.5980	0.338004
530.	0.	1.07809	13.8408	13.8874	8.5831	5.092	11.1007	1.5591	0.339119
531.	0.	1.06580	13.8411	13.8874	8.5912	5.058	10.9559	1.5203	0.340337
532.	0.	1.05385	13.8413	13.8874	8.6022	5.028	10.8131	1.4715	0.341502
533.	0.	1.03866	13.8416	13.8874	8.6067	5.005	10.6829	1.4432	0.343168
534.	0.	1.02422	13.8418	13.8874	8.6143	4.984	10.5552	1.4047	0.344724
535.	0.	1.00785	13.8421	13.8874	8.6206	4.964	10.4311	1.3766	0.346578
536.	0.	0.99233	13.8423	13.8874	8.6300	4.940	10.2995	1.3383	0.348307
537.	0.	0.97583	13.8426	13.8874	8.6420	4.893	10.1315	1.3002	0.350177
538.	0.	0.96279	13.8429	13.8874	8.6681	4.843	9.9488	1.2215	0.351493
539.	0.	0.94226	13.8433	13.8874	8.6812	4.833	9.8418	1.1841	0.354070
540.	0.	0.91557	13.8436	13.8874	8.6770	4.807	9.7210	1.1976	0.357632
541.	0.	0.90206	13.8439	13.8874	8.7105	4.729	9.5099	1.1090	0.359034
542.	0.	0.88336	13.8443	13.8874	8.7435	4.646	9.3010	1.0313	0.361326
543.	0.	0.85679	13.8447	13.8874	8.7738	4.574	9.1236	0.9850	0.365026
544.	0.	0.82891	13.8450	13.8874	8.8047	4.510	8.9676	0.9390	0.369013
545.	0.	0.79876	13.8451	13.8874	8.8348	4.453	8.8313	0.9034	0.373449
546.	0.	0.76858	13.8448	13.8874	8.8670	4.387	8.6935	0.8679	0.377915
547.	0.	0.73954	13.8442	13.8874	8.9035	4.312	8.5567	0.8222	0.382230
548.	0.	0.70875	13.8432	13.8874	8.9360	4.238	8.4304	0.7869	0.386921
549.	0.	0.67829	13.8419	13.8874	8.9696	4.152	8.2966	0.7516	0.391587
550.	0.	0.64900	13.8403	13.8874	9.0116	4.055	8.1614	0.7061	0.396099
551.	0.	0.61287	13.8381	13.8874	9.1239	3.923	8.0949	0.6718	0.401778
552.	0.	0.57700	13.8354	13.8874	9.2544	3.785	8.0540	0.6374	0.407404
553.	0.	0.54063	13.8323	13.8874	9.4181	3.637	8.0648	0.6031	0.413092
554.	0.	0.50968	13.8285	13.8874	9.5041	3.529	8.0246	0.5779	0.417913
555.	0.	0.47937	13.8242	13.8874	9.6515	3.398	8.0289	0.5426	0.422586
556.	0.	0.45310	13.8196	13.8874	9.7231	3.316	7.9830	0.5167	0.426662
557.	0.	0.42973	13.8153	13.8874	9.7967	3.284	8.0234	0.4803	0.430310
558.	0.	0.40555	13.8113	13.8874	9.9167	3.422	8.0581	0.4442	0.434169
559.	0.	0.38629	13.8092	13.8874	9.8878	3.458	8.0793	0.4173	0.437333