

Run: 1

Table: curve

SWAN version:41.20A

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_l0 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	5.76558	13.9895	13.8874	12.9461	0.000	31.5067	11.4100	0.000000
1.	0.	5.77726	13.9915	13.8874	12.8249	0.000	31.5312	11.4103	0.000321
2.	0.	5.78820	13.9933	13.8874	12.7101	0.000	31.5518	11.4106	0.000647
3.	0.	5.79796	13.9951	13.8874	12.6038	0.000	31.5677	11.4110	0.000978
4.	0.	5.80651	13.9967	13.8874	12.5061	0.000	31.5791	11.4113	0.001315
5.	0.	5.81392	13.9982	13.8874	12.4161	0.000	31.5866	11.4117	0.001658
6.	0.	5.82031	13.9996	13.8874	12.3330	0.000	31.5910	11.4120	0.002006
7.	0.	5.82576	14.0009	13.8874	12.2561	0.000	31.5926	11.4124	0.002359
8.	0.	5.83038	14.0021	13.8874	12.1847	0.000	31.5921	11.4127	0.002717
9.	0.	5.83424	14.0032	13.8874	12.1183	0.000	31.5896	11.4131	0.003078
10.	0.	5.83684	14.0043	13.8874	12.0563	0.000	31.5682	11.4134	0.003447
11.	0.	5.83979	14.0053	13.8874	11.9990	0.000	31.5311	11.3937	0.003659
12.	0.	5.84156	14.0062	13.8874	11.9447	0.000	31.4969	11.3840	0.003960
13.	0.	5.84284	14.0071	13.8874	11.8935	0.000	31.4632	11.3743	0.004264
14.	0.	5.84364	14.0079	13.8874	11.8453	0.000	31.4293	11.3646	0.004574
15.	0.	5.84399	14.0086	13.8874	11.7997	0.000	31.3950	11.3549	0.004887
16.	0.	5.84383	14.0094	13.8874	11.7560	0.000	31.3529	11.3452	0.005207
17.	0.	5.84394	14.0100	13.8874	11.7147	0.000	31.3077	11.3254	0.005449
18.	0.	5.84323	14.0107	13.8874	11.6749	0.000	31.2698	11.3158	0.005778
19.	0.	5.84227	14.0113	13.8874	11.6370	0.000	31.2341	11.3061	0.006110
20.	0.	5.84102	14.0118	13.8874	11.6009	0.000	31.1991	11.2964	0.006445
21.	0.	5.83949	14.0124	13.8874	11.5665	0.000	31.1648	11.2868	0.006785
22.	0.	5.83768	14.0129	13.8874	11.5337	0.000	31.1318	11.2771	0.007129
23.	0.	5.83536	14.0133	13.8874	11.5024	0.000	31.0931	11.2675	0.007481
24.	0.	5.83336	14.0138	13.8874	11.4729	0.000	31.0521	11.2478	0.007755
25.	0.	5.83070	14.0142	13.8874	11.4441	0.000	31.0173	11.2381	0.008113
26.	0.	5.82764	14.0145	13.8874	11.4166	0.000	30.9778	11.2285	0.008475
27.	0.	5.82495	14.0149	13.8874	11.3906	0.000	30.9365	11.2088	0.008759
28.	0.	5.82163	14.0153	13.8874	11.3652	0.000	30.9015	11.1991	0.009126
29.	0.	5.81798	14.0156	13.8874	11.3407	0.000	30.8631	11.1895	0.009499
30.	0.	5.81472	14.0159	13.8874	11.3178	0.000	30.8235	11.1698	0.009793
31.	0.	5.81064	14.0161	13.8874	11.2951	0.000	30.7842	11.1602	0.010174
32.	0.	5.80702	14.0164	13.8874	11.2738	0.000	30.7445	11.1405	0.010474
33.	0.	5.80261	14.0167	13.8874	11.2527	0.000	30.7049	11.1309	0.010860
34.	0.	5.79868	14.0169	13.8874	11.2329	0.000	30.6651	11.1112	0.011166
35.	0.	5.79421	14.0171	13.8874	11.2132	0.000	30.6313	11.1016	0.011555
36.	0.	5.78946	14.0173	13.8874	11.1943	0.000	30.5936	11.0919	0.011947
37.	0.	5.78515	14.0175	13.8874	11.1765	0.000	30.5545	11.0723	0.012258
38.	0.	5.78009	14.0177	13.8874	11.1587	0.000	30.5153	11.0627	0.012655
39.	0.	5.77552	14.0179	13.8874	11.1421	0.000	30.4758	11.0430	0.012971
40.	0.	5.77044	14.0180	13.8874	11.1255	0.000	30.4422	11.0334	0.013370
41.	0.	5.76512	14.0181	13.8874	11.1094	0.000	30.4049	11.0238	0.013772
42.	0.	5.76026	14.0183	13.8874	11.0944	0.000	30.3660	11.0041	0.014092
43.	0.	5.75468	14.0184	13.8874	11.0793	0.000	30.3271	10.9945	0.014498
44.	0.	5.74962	14.0185	13.8874	11.0652	0.000	30.2877	10.9748	0.014822
45.	0.	5.74406	14.0186	13.8874	11.0510	0.000	30.2544	10.9652	0.015230
46.	0.	5.73829	14.0187	13.8874	11.0372	0.000	30.2173	10.9556	0.015639
47.	0.	5.73300	14.0188	13.8874	11.0244	0.000	30.1787	10.9360	0.015966
48.	0.	5.72702	14.0189	13.8874	11.0114	0.000	30.1400	10.9264	0.016378
49.	0.	5.72156	14.0190	13.8874	10.9993	0.000	30.1010	10.9067	0.016709
50.	0.	5.71543	14.0191	13.8874	10.9870	0.000	30.0623	10.8971	0.017124
51.	0.	5.70983	14.0191	13.8874	10.9756	0.000	30.0234	10.8775	0.017457
52.	0.	5.70376	14.0192	13.8874	10.9640	0.000	29.9904	10.8679	0.017874
53.	0.	5.69751	14.0192	13.8874	10.9526	0.000	29.9539	10.8583	0.018291
54.	0.	5.69176	14.0193	13.8874	10.9422	0.000	29.9158	10.8386	0.018626
55.	0.	5.68554	14.0193	13.8874	10.9315	0.000	29.8833	10.8290	0.019045
56.	0.	5.67933	14.0194	13.8874	10.9211	0.000	29.8526	10.8195	0.019463
57.	0.	5.67312	14.0194	13.8874	10.9109	0.000	29.8226	10.8099	0.019880
58.	0.	5.66687	14.0194	13.8874	10.9011	0.000	29.7929	10.8003	0.020297
59.	0.	5.66060	14.0194	13.8874	10.8915	0.000	29.7634	10.7907	0.020713

60.	0.	5.65430	14.0195	13.8874	10.8821	0.000	29.7339	10.7811	0.021129
61.	0.	5.64797	14.0195	13.8874	10.8730	0.000	29.7046	10.7715	0.021544
62.	0.	5.64162	14.0195	13.8874	10.8641	0.000	29.6754	10.7620	0.021958
63.	0.	5.63595	14.0195	13.8874	10.8529	0.000	29.6477	10.7524	0.022370
64.	0.	5.63048	14.0195	13.8874	10.8412	0.000	29.6206	10.7428	0.022782
65.	0.	5.62503	14.0195	13.8874	10.8294	0.000	29.5936	10.7332	0.023195
66.	0.	5.61956	14.0195	13.8874	10.8177	0.000	29.5667	10.7236	0.023607
67.	0.	5.61406	14.0194	13.8874	10.8063	0.000	29.5398	10.7140	0.024020
68.	0.	5.60851	14.0194	13.8874	10.7950	0.000	29.5131	10.7044	0.024433
69.	0.	5.60291	14.0194	13.8874	10.7840	0.000	29.4863	10.6948	0.024846
70.	0.	5.59728	14.0194	13.8874	10.7732	0.000	29.4596	10.6853	0.025260
71.	0.	5.59143	14.0193	13.8874	10.7626	0.000	29.4275	10.6757	0.025674
72.	0.	5.58605	14.0193	13.8874	10.7528	0.000	29.3934	10.6560	0.026008
73.	0.	5.58019	14.0193	13.8874	10.7425	0.000	29.3644	10.6464	0.026425
74.	0.	5.57434	14.0192	13.8874	10.7324	0.000	29.3371	10.6368	0.026842
75.	0.	5.56848	14.0192	13.8874	10.7225	0.000	29.3104	10.6273	0.027260
76.	0.	5.56260	14.0191	13.8874	10.7128	0.000	29.2839	10.6177	0.027677
77.	0.	5.55668	14.0191	13.8874	10.7032	0.000	29.2577	10.6081	0.028094
78.	0.	5.55074	14.0190	13.8874	10.6938	0.000	29.2315	10.5985	0.028511
79.	0.	5.54477	14.0189	13.8874	10.6846	0.000	29.2054	10.5889	0.028928
80.	0.	5.53877	14.0189	13.8874	10.6755	0.000	29.1795	10.5793	0.029345
81.	0.	5.53275	14.0188	13.8874	10.6666	0.000	29.1536	10.5698	0.029761
82.	0.	5.52671	14.0187	13.8874	10.6578	0.000	29.1278	10.5602	0.030177
83.	0.	5.52064	14.0187	13.8874	10.6492	0.000	29.1021	10.5506	0.030593
84.	0.	5.51456	14.0186	13.8874	10.6407	0.000	29.0765	10.5410	0.031009
85.	0.	5.50845	14.0185	13.8874	10.6323	0.000	29.0510	10.5314	0.031425
86.	0.	5.50233	14.0185	13.8874	10.6241	0.000	29.0257	10.5218	0.031839
87.	0.	5.49619	14.0184	13.8874	10.6160	0.000	29.0004	10.5123	0.032254
88.	0.	5.49003	14.0183	13.8874	10.6080	0.000	28.9753	10.5027	0.032668
89.	0.	5.48370	14.0182	13.8874	10.6001	0.000	28.9450	10.4931	0.033083
90.	0.	5.47785	14.0181	13.8874	10.5930	0.000	28.9128	10.4734	0.033416
91.	0.	5.47154	14.0181	13.8874	10.5853	0.000	28.8856	10.4638	0.033832
92.	0.	5.46526	14.0180	13.8874	10.5777	360.000	28.8602	10.4542	0.034249
93.	0.	5.45889	14.0179	13.8874	10.5705	360.000	28.8357	10.4447	0.034667
94.	0.	5.45248	14.0178	13.8874	10.5635	359.999	28.8117	10.4351	0.035086
95.	0.	5.44603	14.0177	13.8874	10.5567	359.998	28.7880	10.4255	0.035506
96.	0.	5.43957	14.0176	13.8874	10.5499	359.998	28.7644	10.4159	0.035925
97.	0.	5.43306	14.0175	13.8874	10.5434	359.996	28.7410	10.4063	0.036345
98.	0.	5.42653	14.0174	13.8874	10.5371	359.995	28.7176	10.3968	0.036764
99.	0.	5.41999	14.0173	13.8874	10.5308	359.993	28.6944	10.3872	0.037182
100.	0.	5.41345	14.0173	13.8874	10.5246	359.992	28.6713	10.3776	0.037600
101.	0.	5.40690	14.0172	13.8874	10.5185	359.990	28.6482	10.3680	0.038017
102.	0.	5.40049	14.0171	13.8874	10.5121	359.989	28.6247	10.3584	0.038428
103.	0.	5.39398	14.0170	13.8874	10.5057	359.989	28.5960	10.3488	0.038838
104.	0.	5.38812	14.0169	13.8874	10.5000	359.988	28.5705	10.3292	0.039165
105.	0.	5.38132	14.0168	13.8874	10.4930	359.988	28.5518	10.3297	0.039656
106.	0.	5.37501	14.0167	13.8874	10.4868	359.988	28.5299	10.3201	0.040063
107.	0.	5.36867	14.0166	13.8874	10.4807	359.987	28.5072	10.3105	0.040468
108.	0.	5.36232	14.0165	13.8874	10.4746	359.987	28.4842	10.3009	0.040873
109.	0.	5.35596	14.0164	13.8874	10.4686	359.986	28.4612	10.2913	0.041277
110.	0.	5.34960	14.0163	13.8874	10.4627	359.986	28.4382	10.2817	0.041681
111.	0.	5.34323	14.0162	13.8874	10.4569	359.986	28.4153	10.2721	0.042084
112.	0.	5.33687	14.0161	13.8874	10.4511	359.985	28.3926	10.2625	0.042486
113.	0.	5.33050	14.0160	13.8874	10.4454	359.985	28.3698	10.2529	0.042887
114.	0.	5.32413	14.0159	13.8874	10.4398	359.984	28.3472	10.2433	0.043288
115.	0.	5.31777	14.0157	13.8874	10.4342	359.984	28.3247	10.2337	0.043688
116.	0.	5.31140	14.0156	13.8874	10.4287	359.984	28.3022	10.2241	0.044087
117.	0.	5.30503	14.0155	13.8874	10.4232	359.983	28.2799	10.2145	0.044485
118.	0.	5.29867	14.0154	13.8874	10.4179	359.983	28.2576	10.2049	0.044883
119.	0.	5.29230	14.0153	13.8874	10.4126	359.983	28.2354	10.1953	0.045280
120.	0.	5.28594	14.0152	13.8874	10.4073	359.982	28.2133	10.1857	0.045676
121.	0.	5.27971	14.0151	13.8874	10.4021	359.982	28.1963	10.1761	0.046072
122.	0.	5.27299	14.0150	13.8874	10.3963	359.982	28.1814	10.1765	0.046546
123.	0.	5.26673	14.0149	13.8874	10.3913	359.981	28.1618	10.1669	0.046936
124.	0.	5.26043	14.0148	13.8874	10.3863	359.981	28.1408	10.1573	0.047326
125.	0.	5.25413	14.0147	13.8874	10.3813	359.981	28.1194	10.1477	0.047715
126.	0.	5.24782	14.0146	13.8874	10.3764	359.980	28.0979	10.1381	0.048103

127.	0.	5.24151	14.0145	13.8874	10.3716	359.980	28.0764	10.1285	0.048490
128.	0.	5.23521	14.0143	13.8874	10.3668	359.980	28.0550	10.1189	0.048877
129.	0.	5.22891	14.0142	13.8874	10.3621	359.979	28.0336	10.1093	0.049263
130.	0.	5.22261	14.0141	13.8874	10.3574	359.979	28.0123	10.0996	0.049647
131.	0.	5.21631	14.0140	13.8874	10.3528	359.979	27.9911	10.0900	0.050032
132.	0.	5.21002	14.0139	13.8874	10.3482	359.978	27.9699	10.0804	0.050415
133.	0.	5.20374	14.0138	13.8874	10.3437	359.978	27.9488	10.0708	0.050798
134.	0.	5.19745	14.0137	13.8874	10.3392	359.978	27.9280	10.0612	0.051180
135.	0.	5.19117	14.0136	13.8874	10.3347	359.978	27.9077	10.0516	0.051563
136.	0.	5.18490	14.0135	13.8874	10.3303	359.978	27.8878	10.0419	0.051945
137.	0.	5.17863	14.0134	13.8874	10.3260	359.977	27.8679	10.0323	0.052326
138.	0.	5.17236	14.0133	13.8874	10.3217	359.977	27.8481	10.0227	0.052706
139.	0.	5.16610	14.0131	13.8874	10.3174	359.977	27.8283	10.0131	0.053086
140.	0.	5.15996	14.0130	13.8874	10.3132	359.977	27.8131	10.0035	0.053465
141.	0.	5.15334	14.0129	13.8874	10.3083	359.977	27.7998	10.0039	0.053921
142.	0.	5.14719	14.0128	13.8874	10.3042	359.977	27.7823	9.9943	0.054296
143.	0.	5.14100	14.0127	13.8874	10.3001	359.977	27.7636	9.9847	0.054669
144.	0.	5.13481	14.0126	13.8874	10.2961	359.976	27.7444	9.9750	0.055042
145.	0.	5.12862	14.0125	13.8874	10.2921	359.976	27.7251	9.9654	0.055414
146.	0.	5.12243	14.0124	13.8874	10.2882	359.976	27.7058	9.9558	0.055785
147.	0.	5.11625	14.0122	13.8874	10.2843	359.976	27.6865	9.9462	0.056155
148.	0.	5.11007	14.0121	13.8874	10.2804	359.977	27.6672	9.9365	0.056525
149.	0.	5.10389	14.0120	13.8874	10.2766	359.977	27.6479	9.9269	0.056894
150.	0.	5.09772	14.0119	13.8874	10.2728	359.977	27.6286	9.9173	0.057262
151.	0.	5.09155	14.0118	13.8874	10.2690	359.977	27.6093	9.9076	0.057630
152.	0.	5.08537	14.0117	13.8874	10.2653	359.978	27.5900	9.8980	0.057997
153.	0.	5.07920	14.0116	13.8874	10.2617	359.978	27.5707	9.8884	0.058363
154.	0.	5.07304	14.0115	13.8874	10.2581	359.979	27.5515	9.8787	0.058729
155.	0.	5.06722	14.0114	13.8874	10.2533	359.979	27.5325	9.8691	0.059092
156.	0.	5.06151	14.0113	13.8874	10.2481	359.980	27.5138	9.8595	0.059455
157.	0.	5.05582	14.0111	13.8874	10.2428	359.981	27.4952	9.8498	0.059817
158.	0.	5.05013	14.0110	13.8874	10.2376	359.981	27.4766	9.8402	0.060179
159.	0.	5.04444	14.0109	13.8874	10.2324	359.982	27.4581	9.8305	0.060541
160.	0.	5.03874	14.0108	13.8874	10.2272	359.983	27.4396	9.8209	0.060902
161.	0.	5.03294	14.0107	13.8874	10.2223	359.983	27.4216	9.8113	0.061267
162.	0.	5.02730	14.0106	13.8874	10.2174	359.984	27.4078	9.8016	0.061629
163.	0.	5.02119	14.0105	13.8874	10.2117	359.985	27.3956	9.8021	0.062067
164.	0.	5.01547	14.0104	13.8874	10.2070	359.986	27.3796	9.7924	0.062427
165.	0.	5.00974	14.0103	13.8874	10.2023	359.987	27.3621	9.7828	0.062786
166.	0.	5.00391	14.0102	13.8874	10.1978	359.988	27.3446	9.7731	0.063147
167.	0.	4.99809	14.0101	13.8874	10.1934	359.989	27.3269	9.7635	0.063507
168.	0.	4.99232	14.0101	13.8874	10.1888	359.990	27.3088	9.7539	0.063864
169.	0.	4.98657	14.0100	13.8874	10.1842	359.991	27.2906	9.7442	0.064221
170.	0.	4.98083	14.0099	13.8874	10.1796	359.992	27.2724	9.7346	0.064577
171.	0.	4.97508	14.0098	13.8874	10.1751	359.992	27.2544	9.7249	0.064933
172.	0.	4.96933	14.0097	13.8874	10.1706	359.993	27.2365	9.7153	0.065288
173.	0.	4.96357	14.0096	13.8874	10.1662	359.994	27.2186	9.7056	0.065644
174.	0.	4.95782	14.0096	13.8874	10.1617	359.995	27.2008	9.6960	0.065999
175.	0.	4.95206	14.0095	13.8874	10.1574	359.996	27.1830	9.6864	0.066353
176.	0.	4.94629	14.0094	13.8874	10.1530	359.997	27.1653	9.6767	0.066708
177.	0.	4.94053	14.0093	13.8874	10.1487	359.997	27.1475	9.6671	0.067062
178.	0.	4.93477	14.0093	13.8874	10.1444	359.998	27.1299	9.6574	0.067415
179.	0.	4.92900	14.0092	13.8874	10.1402	359.999	27.1123	9.6478	0.067769
180.	0.	4.92323	14.0091	13.8874	10.1359	359.999	27.0946	9.6381	0.068121
181.	0.	4.91747	14.0091	13.8874	10.1317	360.000	27.0770	9.6285	0.068474
182.	0.	4.91180	14.0090	13.8874	10.1273	0.001	27.0589	9.6188	0.068823
183.	0.	4.90623	14.0089	13.8874	10.1227	0.003	27.0405	9.6092	0.069168
184.	0.	4.90071	14.0089	13.8874	10.1179	0.005	27.0219	9.5995	0.069511
185.	0.	4.89518	14.0088	13.8874	10.1133	0.007	27.0035	9.5899	0.069854
186.	0.	4.88967	14.0087	13.8874	10.1086	0.010	26.9850	9.5802	0.070197
187.	0.	4.88421	14.0087	13.8874	10.1037	0.014	26.9666	9.5705	0.070537
188.	0.	4.87880	14.0086	13.8874	10.0988	0.018	26.9482	9.5609	0.070876
189.	0.	4.87340	14.0085	13.8874	10.0939	0.023	26.9298	9.5512	0.071214
190.	0.	4.86802	14.0085	13.8874	10.0889	0.028	26.9115	9.5416	0.071551
191.	0.	4.86264	14.0084	13.8874	10.0840	0.033	26.8932	9.5319	0.071888
192.	0.	4.85733	14.0084	13.8874	10.0789	0.039	26.8752	9.5222	0.072223
193.	0.	4.85218	14.0083	13.8874	10.0737	0.046	26.8617	9.5126	0.072556

194.	0.	4.84644	14.0082	13.8874	10.0676	0.053	26.8459	9.5130	0.072965
195.	0.	4.84165	14.0082	13.8874	10.0633	0.061	26.8244	9.4932	0.073219
196.	0.	4.83635	14.0082	13.8874	10.0582	0.068	26.8058	9.4836	0.073552
197.	0.	4.83098	14.0081	13.8874	10.0530	0.075	26.7838	9.4739	0.073885
198.	0.	4.82610	14.0081	13.8874	10.0487	0.083	26.7604	9.4541	0.074141
199.	0.	4.82074	14.0080	13.8874	10.0436	0.091	26.7414	9.4445	0.074476
200.	0.	4.81538	14.0080	13.8874	10.0387	0.098	26.7236	9.4348	0.074812
201.	0.	4.80993	14.0079	13.8874	10.0337	0.106	26.7024	9.4251	0.075148
202.	0.	4.80500	14.0079	13.8874	10.0296	0.115	26.6799	9.4054	0.075407
203.	0.	4.79959	14.0078	13.8874	10.0246	0.124	26.6615	9.3957	0.075746
204.	0.	4.79418	14.0078	13.8874	10.0195	0.132	26.6400	9.3861	0.076082
205.	0.	4.78930	14.0078	13.8874	10.0151	0.139	26.6171	9.3663	0.076340
206.	0.	4.78397	14.0077	13.8874	10.0098	0.147	26.5984	9.3567	0.076677
207.	0.	4.77858	14.0077	13.8874	10.0045	0.155	26.5769	9.3470	0.077014
208.	0.	4.77369	14.0077	13.8874	10.0001	0.163	26.5541	9.3273	0.077274
209.	0.	4.76834	14.0076	13.8874	9.9948	0.171	26.5355	9.3176	0.077613
210.	0.	4.76303	14.0076	13.8874	9.9896	0.179	26.5182	9.3080	0.077953
211.	0.	4.75769	14.0075	13.8874	9.9841	0.187	26.4971	9.2983	0.078289
212.	0.	4.75285	14.0075	13.8874	9.9795	0.195	26.4741	9.2785	0.078549
213.	0.	4.74754	14.0075	13.8874	9.9741	0.203	26.4552	9.2689	0.078887
214.	0.	4.74226	14.0075	13.8874	9.9686	0.211	26.4376	9.2592	0.079226
215.	0.	4.73691	14.0074	13.8874	9.9632	0.220	26.4164	9.2496	0.079564
216.	0.	4.73205	14.0074	13.8874	9.9586	0.228	26.3936	9.2298	0.079825
217.	0.	4.72672	14.0074	13.8874	9.9531	0.236	26.3749	9.2202	0.080165
218.	0.	4.72143	14.0073	13.8874	9.9477	0.244	26.3576	9.2105	0.080506
219.	0.	4.71615	14.0073	13.8874	9.9422	0.253	26.3407	9.2008	0.080845
220.	0.	4.71087	14.0073	13.8874	9.9368	0.261	26.3242	9.1912	0.081185
221.	0.	4.70558	14.0072	13.8874	9.9315	0.270	26.3078	9.1815	0.081524
222.	0.	4.70021	14.0072	13.8874	9.9261	0.278	26.2875	9.1719	0.081863
223.	0.	4.69533	14.0072	13.8874	9.9216	0.287	26.2654	9.1521	0.082125
224.	0.	4.68998	14.0072	13.8874	9.9162	0.295	26.2475	9.1425	0.082466
225.	0.	4.68466	14.0072	13.8874	9.9109	0.304	26.2308	9.1328	0.082807
226.	0.	4.67936	14.0071	13.8874	9.9056	0.313	26.2147	9.1231	0.083148
227.	0.	4.67406	14.0071	13.8874	9.9003	0.322	26.1988	9.1135	0.083488
228.	0.	4.66877	14.0071	13.8874	9.8950	0.330	26.1831	9.1038	0.083828
229.	0.	4.66339	14.0071	13.8874	9.8896	0.339	26.1634	9.0942	0.084167
230.	0.	4.65850	14.0070	13.8874	9.8852	0.348	26.1418	9.0744	0.084429
231.	0.	4.65313	14.0070	13.8874	9.8800	0.357	26.1241	9.0648	0.084770
232.	0.	4.64779	14.0070	13.8874	9.8747	0.366	26.1078	9.0551	0.085112
233.	0.	4.64247	14.0070	13.8874	9.8695	0.374	26.0919	9.0455	0.085453
234.	0.	4.63714	14.0070	13.8874	9.8643	0.383	26.0762	9.0358	0.085793
235.	0.	4.63182	14.0069	13.8874	9.8591	0.392	26.0604	9.0261	0.086134
236.	0.	4.62652	14.0069	13.8874	9.8540	0.401	26.0447	9.0165	0.086472
237.	0.	4.62131	14.0069	13.8874	9.8487	0.410	26.0286	9.0068	0.086804
238.	0.	4.61612	14.0069	13.8874	9.8435	0.420	26.0125	8.9971	0.087135
239.	0.	4.61093	14.0069	13.8874	9.8383	0.429	25.9964	8.9875	0.087466
240.	0.	4.60573	14.0069	13.8874	9.8331	0.439	25.9804	8.9778	0.087796
241.	0.	4.60053	14.0068	13.8874	9.8279	0.448	25.9643	8.9681	0.088126
242.	0.	4.59534	14.0068	13.8874	9.8228	0.458	25.9482	8.9585	0.088455
243.	0.	4.59014	14.0068	13.8874	9.8178	0.468	25.9321	8.9488	0.088784
244.	0.	4.58494	14.0068	13.8874	9.8127	0.477	25.9160	8.9391	0.089112
245.	0.	4.57983	14.0068	13.8874	9.8077	0.487	25.9040	8.9294	0.089441
246.	0.	4.57418	14.0068	13.8874	9.8019	0.497	25.8942	8.9298	0.089850
247.	0.	4.56907	14.0067	13.8874	9.7970	0.507	25.8801	8.9202	0.090174
248.	0.	4.56395	14.0067	13.8874	9.7921	0.516	25.8649	8.9105	0.090497
249.	0.	4.55881	14.0067	13.8874	9.7872	0.526	25.8492	8.9008	0.090820
250.	0.	4.55368	14.0067	13.8874	9.7823	0.536	25.8335	8.8911	0.091142
251.	0.	4.54854	14.0067	13.8874	9.7775	0.546	25.8176	8.8815	0.091464
252.	0.	4.54341	14.0067	13.8874	9.7727	0.556	25.8019	8.8718	0.091786
253.	0.	4.53828	14.0067	13.8874	9.7679	0.566	25.7861	8.8621	0.092107
254.	0.	4.53315	14.0067	13.8874	9.7631	0.576	25.7703	8.8524	0.092427
255.	0.	4.52803	14.0066	13.8874	9.7584	0.586	25.7546	8.8427	0.092748
256.	0.	4.52290	14.0066	13.8874	9.7536	0.596	25.7388	8.8331	0.093067
257.	0.	4.51783	14.0066	13.8874	9.7485	0.606	25.7180	8.8234	0.093381
258.	0.	4.51341	14.0066	13.8874	9.7439	0.616	25.6948	8.8036	0.093612
259.	0.	4.50850	14.0066	13.8874	9.7384	0.627	25.6758	8.7939	0.093925
260.	0.	4.50362	14.0066	13.8874	9.7328	0.639	25.6581	8.7842	0.094239

261.	0.	4.49876	14.0066	13.8874	9.7271	0.650	25.6409	8.7746	0.094552
262.	0.	4.49397	14.0066	13.8874	9.7213	0.662	25.6239	8.7649	0.094864
263.	0.	4.48928	14.0066	13.8874	9.7153	0.675	25.6070	8.7552	0.095172
264.	0.	4.48460	14.0066	13.8874	9.7092	0.688	25.5902	8.7455	0.095480
265.	0.	4.47994	14.0065	13.8874	9.7031	0.701	25.5735	8.7358	0.095787
266.	0.	4.47530	14.0065	13.8874	9.6969	0.714	25.5568	8.7261	0.096094
267.	0.	4.47068	14.0065	13.8874	9.6907	0.728	25.5402	8.7164	0.096400
268.	0.	4.46607	14.0065	13.8874	9.6844	0.741	25.5237	8.7067	0.096705
269.	0.	4.46149	14.0065	13.8874	9.6782	0.755	25.5072	8.6970	0.097010
270.	0.	4.45692	14.0065	13.8874	9.6718	0.769	25.4908	8.6873	0.097314
271.	0.	4.45244	14.0065	13.8874	9.6653	0.784	25.4749	8.6776	0.097616
272.	0.	4.44794	14.0065	13.8874	9.6588	0.800	25.4591	8.6679	0.097918
273.	0.	4.44347	14.0065	13.8874	9.6522	0.815	25.4434	8.6582	0.098219
274.	0.	4.43899	14.0065	13.8874	9.6457	0.830	25.4279	8.6485	0.098521
275.	0.	4.43446	14.0065	13.8874	9.6391	0.846	25.4083	8.6388	0.098820
276.	0.	4.43047	14.0065	13.8874	9.6334	0.861	25.3865	8.6190	0.099039
277.	0.	4.42596	14.0065	13.8874	9.6267	0.877	25.3692	8.6093	0.099342
278.	0.	4.42136	14.0065	13.8874	9.6201	0.892	25.3493	8.5996	0.099645
279.	0.	4.41733	14.0065	13.8874	9.6144	0.908	25.3276	8.5799	0.099867
280.	0.	4.41270	14.0065	13.8874	9.6077	0.923	25.3066	8.5702	0.100172
281.	0.	4.40866	14.0065	13.8874	9.6019	0.939	25.2846	8.5504	0.100395
282.	0.	4.40408	14.0065	13.8874	9.5952	0.955	25.2678	8.5407	0.100703
283.	0.	4.39944	14.0065	13.8874	9.5885	0.971	25.2483	8.5310	0.101012
284.	0.	4.39536	14.0065	13.8874	9.5827	0.987	25.2271	8.5112	0.101237
285.	0.	4.39067	14.0065	13.8874	9.5759	1.003	25.2065	8.5015	0.101548
286.	0.	4.38658	14.0065	13.8874	9.5700	1.019	25.1852	8.4818	0.101776
287.	0.	4.38195	14.0065	13.8874	9.5631	1.036	25.1689	8.4721	0.102090
288.	0.	4.37728	14.0065	13.8874	9.5562	1.052	25.1503	8.4624	0.102404
289.	0.	4.37321	14.0065	13.8874	9.5501	1.069	25.1303	8.4426	0.102634
290.	0.	4.36855	14.0065	13.8874	9.5430	1.087	25.1112	8.4329	0.102949
291.	0.	4.36448	14.0065	13.8874	9.5368	1.105	25.0913	8.4132	0.103181
292.	0.	4.35988	14.0065	13.8874	9.5295	1.123	25.0765	8.4035	0.103501
293.	0.	4.35525	14.0065	13.8874	9.5222	1.141	25.0594	8.3938	0.103819
294.	0.	4.35119	14.0065	13.8874	9.5158	1.159	25.0405	8.3741	0.104053
295.	0.	4.34652	14.0065	13.8874	9.5084	1.178	25.0222	8.3644	0.104373
296.	0.	4.34244	14.0065	13.8874	9.5019	1.196	25.0030	8.3446	0.104609
297.	0.	4.33776	14.0065	13.8874	9.4944	1.215	24.9850	8.3349	0.104932
298.	0.	4.33369	14.0065	13.8874	9.4878	1.233	24.9659	8.3152	0.105169
299.	0.	4.32901	14.0065	13.8874	9.4801	1.252	24.9481	8.3055	0.105495
300.	0.	4.32493	14.0065	13.8874	9.4733	1.271	24.9294	8.2857	0.105735
301.	0.	4.32020	14.0065	13.8874	9.4656	1.290	24.9122	8.2761	0.106064
302.	0.	4.31609	14.0065	13.8874	9.4588	1.309	24.8942	8.2563	0.106307
303.	0.	4.31136	14.0065	13.8874	9.4510	1.329	24.8776	8.2466	0.106639
304.	0.	4.30724	14.0065	13.8874	9.4440	1.349	24.8601	8.2269	0.106884
305.	0.	4.30251	14.0065	13.8874	9.4360	1.369	24.8440	8.2172	0.107219
306.	0.	4.29839	14.0066	13.8874	9.4289	1.389	24.8272	8.1975	0.107467
307.	0.	4.29366	14.0066	13.8874	9.4207	1.410	24.8119	8.1878	0.107804
308.	0.	4.28954	14.0066	13.8874	9.4135	1.431	24.7957	8.1681	0.108055
309.	0.	4.28479	14.0066	13.8874	9.4052	1.452	24.7809	8.1584	0.108395
310.	0.	4.28062	14.0066	13.8874	9.3980	1.473	24.7652	8.1386	0.108649
311.	0.	4.27583	14.0066	13.8874	9.3897	1.495	24.7509	8.1290	0.108993
312.	0.	4.27158	14.0066	13.8874	9.3823	1.517	24.7319	8.1092	0.109249
313.	0.	4.26729	14.0066	13.8874	9.3750	1.540	24.7159	8.0895	0.109511
314.	0.	4.26232	14.0066	13.8874	9.3668	1.564	24.7023	8.0799	0.109868
315.	0.	4.25796	14.0066	13.8874	9.3596	1.589	24.6883	8.0601	0.110137
316.	0.	4.25296	14.0066	13.8874	9.3513	1.615	24.6763	8.0505	0.110498
317.	0.	4.24841	14.0066	13.8874	9.3442	1.642	24.6600	8.0308	0.110775
318.	0.	4.24388	14.0066	13.8874	9.3370	1.669	24.6467	8.0111	0.111056
319.	0.	4.23875	14.0066	13.8874	9.3287	1.697	24.6359	8.0014	0.111427
320.	0.	4.23415	14.0066	13.8874	9.3213	1.725	24.6208	7.9817	0.111711
321.	0.	4.22958	14.0067	13.8874	9.3140	1.753	24.6087	7.9620	0.111998
322.	0.	4.22441	14.0067	13.8874	9.3054	1.783	24.5993	7.9524	0.112377
323.	0.	4.21986	14.0067	13.8874	9.2979	1.813	24.5895	7.9327	0.112667
324.	0.	4.21470	14.0067	13.8874	9.2892	1.844	24.5815	7.9230	0.113049
325.	0.	4.21009	14.0067	13.8874	9.2815	1.875	24.5692	7.9033	0.113340
326.	0.	4.20550	14.0067	13.8874	9.2738	1.908	24.5597	7.8836	0.113635
327.	0.	4.20030	14.0067	13.8874	9.2649	1.940	24.5528	7.8740	0.114023

328.	0.	4.19568	14.0067	13.8874	9.2571	1.974	24.5455	7.8543	0.114323
329.	0.	4.19047	14.0067	13.8874	9.2480	2.008	24.5400	7.8447	0.114715
330.	0.	4.18580	14.0067	13.8874	9.2401	2.042	24.5297	7.8250	0.115016
331.	0.	4.18115	14.0067	13.8874	9.2320	2.077	24.5225	7.8053	0.115321
332.	0.	4.17583	14.0067	13.8874	9.2229	2.113	24.5184	7.7957	0.115723
333.	0.	4.17102	14.0067	13.8874	9.2150	2.149	24.5100	7.7760	0.116036
334.	0.	4.16624	14.0068	13.8874	9.2069	2.186	24.5046	7.7564	0.116352
335.	0.	4.16087	14.0067	13.8874	9.1976	2.224	24.5018	7.7468	0.116761
336.	0.	4.15605	14.0068	13.8874	9.1895	2.262	24.4985	7.7271	0.117082
337.	0.	4.15063	14.0068	13.8874	9.1803	2.300	24.4969	7.7175	0.117497
338.	0.	4.14579	14.0068	13.8874	9.1718	2.342	24.4901	7.6978	0.117820
339.	0.	4.14101	14.0068	13.8874	9.1631	2.385	24.4861	7.6781	0.118146
340.	0.	4.13568	14.0068	13.8874	9.1531	2.428	24.4845	7.6686	0.118565
341.	0.	4.13074	14.0068	13.8874	9.1445	2.469	24.4771	7.6489	0.118898
342.	0.	4.12573	14.0068	13.8874	9.1359	2.509	24.4715	7.6292	0.119236
343.	0.	4.12016	14.0068	13.8874	9.1261	2.550	24.4685	7.6197	0.119668
344.	0.	4.11511	14.0068	13.8874	9.1175	2.590	24.4647	7.6000	0.120013
345.	0.	4.10951	14.0068	13.8874	9.1075	2.632	24.4625	7.5904	0.120449
346.	0.	4.10435	14.0068	13.8874	9.0989	2.672	24.4550	7.5708	0.120796
347.	0.	4.09917	14.0068	13.8874	9.0901	2.712	24.4459	7.5511	0.121144
348.	0.	4.09395	14.0069	13.8874	9.0813	2.753	24.4362	7.5315	0.121495
349.	0.	4.08866	14.0069	13.8874	9.0724	2.792	24.4260	7.5119	0.121851
350.	0.	4.08330	14.0069	13.8874	9.0635	2.832	24.4156	7.4922	0.122212
351.	0.	4.07786	14.0069	13.8874	9.0545	2.871	24.4050	7.4726	0.122579
352.	0.	4.07221	14.0069	13.8874	9.0458	2.908	24.3898	7.4530	0.122953
353.	0.	4.06694	14.0069	13.8874	9.0385	2.943	24.3707	7.4232	0.123241
354.	0.	4.06099	14.0070	13.8874	9.0300	2.978	24.3569	7.4036	0.123636
355.	0.	4.05493	14.0070	13.8874	9.0217	3.014	24.3438	7.3840	0.124038
356.	0.	4.04866	14.0070	13.8874	9.0137	3.046	24.3292	7.3644	0.124450
357.	0.	4.04223	14.0070	13.8874	9.0057	3.077	24.3106	7.3449	0.124866
358.	0.	4.03631	14.0070	13.8874	8.9990	3.108	24.2883	7.3152	0.125191
359.	0.	4.02981	14.0070	13.8874	8.9908	3.140	24.2712	7.2956	0.125619
360.	0.	4.02325	14.0071	13.8874	8.9826	3.171	24.2553	7.2761	0.126053
361.	0.	4.01653	14.0071	13.8874	8.9745	3.201	24.2354	7.2565	0.126492
362.	0.	4.01031	14.0071	13.8874	8.9677	3.231	24.2120	7.2268	0.126839
363.	0.	4.00349	14.0071	13.8874	8.9595	3.262	24.1942	7.2073	0.127291
364.	0.	3.99656	14.0071	13.8874	8.9514	3.294	24.1775	7.1878	0.127751
365.	0.	3.98951	14.0071	13.8874	8.9433	3.325	24.1568	7.1682	0.128215
366.	0.	3.98293	14.0072	13.8874	8.9366	3.355	24.1325	7.1386	0.128587
367.	0.	3.97574	14.0072	13.8874	8.9285	3.386	24.1138	7.1191	0.129065
368.	0.	3.96847	14.0072	13.8874	8.9204	3.416	24.0962	7.0995	0.129550
369.	0.	3.96110	14.0072	13.8874	8.9125	3.446	24.0787	7.0800	0.130041
370.	0.	3.95358	14.0072	13.8874	8.9047	3.476	24.0571	7.0605	0.130536
371.	0.	3.94653	14.0073	13.8874	8.8983	3.505	24.0317	7.0309	0.130937
372.	0.	3.93890	14.0073	13.8874	8.8904	3.535	24.0119	7.0114	0.131445
373.	0.	3.93122	14.0073	13.8874	8.8825	3.564	23.9931	6.9920	0.131959
374.	0.	3.92341	14.0073	13.8874	8.8747	3.593	23.9702	6.9725	0.132476
375.	0.	3.91590	14.0073	13.8874	8.8686	3.618	23.9420	6.9429	0.132904
376.	0.	3.90783	14.0073	13.8874	8.8611	3.644	23.9195	6.9234	0.133439
377.	0.	3.89967	14.0074	13.8874	8.8537	3.669	23.8977	6.9040	0.133980
378.	0.	3.89138	14.0074	13.8874	8.8463	3.693	23.8715	6.8845	0.134524
379.	0.	3.88346	14.0074	13.8874	8.8406	3.716	23.8409	6.8550	0.134979
380.	0.	3.87503	14.0074	13.8874	8.8332	3.740	23.8167	6.8355	0.135538
381.	0.	3.86656	14.0074	13.8874	8.8259	3.765	23.7937	6.8161	0.136101
382.	0.	3.85806	14.0074	13.8874	8.8185	3.789	23.7710	6.7967	0.136668
383.	0.	3.84951	14.0075	13.8874	8.8112	3.813	23.7481	6.7772	0.137238
384.	0.	3.84085	14.0075	13.8874	8.8039	3.835	23.7207	6.7578	0.137809
385.	0.	3.83255	14.0075	13.8874	8.7984	3.856	23.6889	6.7283	0.138290
386.	0.	3.82372	14.0075	13.8874	8.7912	3.878	23.6636	6.7089	0.138877
387.	0.	3.81485	14.0075	13.8874	8.7841	3.900	23.6394	6.6895	0.139468
388.	0.	3.80592	14.0076	13.8874	8.7771	3.922	23.6157	6.6701	0.140063
389.	0.	3.79694	14.0076	13.8874	8.7702	3.943	23.5920	6.6507	0.140661
390.	0.	3.78793	14.0076	13.8874	8.7633	3.964	23.5682	6.6313	0.141261
391.	0.	3.77887	14.0076	13.8874	8.7564	3.985	23.5442	6.6119	0.141865
392.	0.	3.76977	14.0076	13.8874	8.7495	4.005	23.5201	6.5925	0.142470
393.	0.	3.76064	14.0076	13.8874	8.7427	4.025	23.4957	6.5731	0.143079
394.	0.	3.75146	14.0077	13.8874	8.7360	4.045	23.4712	6.5537	0.143689

395.	0.	3.74228	14.0077	13.8874	8.7293	4.064	23.4502	6.5343	0.144304
396.	0.	3.73269	14.0077	13.8874	8.7209	4.084	23.4334	6.5250	0.145015
397.	0.	3.72351	14.0077	13.8874	8.7143	4.102	23.4098	6.5056	0.145625
398.	0.	3.71429	14.0077	13.8874	8.7077	4.120	23.3848	6.4862	0.146236
399.	0.	3.70503	14.0077	13.8874	8.7012	4.137	23.3592	6.4668	0.146850
400.	0.	3.69574	14.0078	13.8874	8.6947	4.154	23.3333	6.4475	0.147466
401.	0.	3.68642	14.0078	13.8874	8.6882	4.170	23.3073	6.4281	0.148083
402.	0.	3.67706	14.0078	13.8874	8.6818	4.187	23.2812	6.4087	0.148704
403.	0.	3.66768	14.0078	13.8874	8.6754	4.203	23.2550	6.3893	0.149326
404.	0.	3.65827	14.0078	13.8874	8.6690	4.219	23.2287	6.3699	0.149950
405.	0.	3.64888	14.0078	13.8874	8.6626	4.235	23.2070	6.3506	0.150578
406.	0.	3.63907	14.0079	13.8874	8.6545	4.253	23.1899	6.3413	0.151302
407.	0.	3.62964	14.0079	13.8874	8.6484	4.269	23.1660	6.3219	0.151927
408.	0.	3.62016	14.0079	13.8874	8.6424	4.283	23.1406	6.3026	0.152553
409.	0.	3.61063	14.0079	13.8874	8.6364	4.298	23.1148	6.2832	0.153182
410.	0.	3.60104	14.0079	13.8874	8.6306	4.312	23.0888	6.2638	0.153814
411.	0.	3.59141	14.0079	13.8874	8.6248	4.325	23.0628	6.2444	0.154448
412.	0.	3.58177	14.0080	13.8874	8.6190	4.339	23.0369	6.2251	0.155084
413.	0.	3.57208	14.0080	13.8874	8.6134	4.352	23.0109	6.2057	0.155722
414.	0.	3.56236	14.0080	13.8874	8.6077	4.365	22.9848	6.1864	0.156363
415.	0.	3.55266	14.0080	13.8874	8.6022	4.378	22.9632	6.1670	0.157007
416.	0.	3.54253	14.0080	13.8874	8.5949	4.393	22.9462	6.1577	0.157748
417.	0.	3.53273	14.0080	13.8874	8.5897	4.403	22.9219	6.1384	0.158391
418.	0.	3.52292	14.0081	13.8874	8.5845	4.413	22.8960	6.1190	0.159034
419.	0.	3.51308	14.0081	13.8874	8.5794	4.423	22.8695	6.0997	0.159679
420.	0.	3.50321	14.0081	13.8874	8.5743	4.432	22.8428	6.0803	0.160325
421.	0.	3.49337	14.0081	13.8874	8.5692	4.442	22.8207	6.0610	0.160974
422.	0.	3.48319	14.0081	13.8874	8.5622	4.455	22.8034	6.0517	0.161716
423.	0.	3.47334	14.0081	13.8874	8.5573	4.464	22.7791	6.0324	0.162361
424.	0.	3.46353	14.0082	13.8874	8.5525	4.473	22.7577	6.0130	0.163007
425.	0.	3.45337	14.0082	13.8874	8.5457	4.485	22.7406	6.0037	0.163745
426.	0.	3.44360	14.0082	13.8874	8.5410	4.494	22.7210	5.9844	0.164387
427.	0.	3.43350	14.0082	13.8874	8.5343	4.506	22.7046	5.9751	0.165119
428.	0.	3.42374	14.0082	13.8874	8.5298	4.513	22.6806	5.9558	0.165755
429.	0.	3.41403	14.0082	13.8874	8.5252	4.521	22.6593	5.9364	0.166390
430.	0.	3.40400	14.0082	13.8874	8.5186	4.532	22.6424	5.9271	0.167115
431.	0.	3.39431	14.0082	13.8874	8.5141	4.539	22.6181	5.9077	0.167745
432.	0.	3.38465	14.0083	13.8874	8.5096	4.546	22.5968	5.8884	0.168376
433.	0.	3.37467	14.0083	13.8874	8.5031	4.556	22.5798	5.8791	0.169097
434.	0.	3.36510	14.0083	13.8874	8.4987	4.563	22.5600	5.8597	0.169723
435.	0.	3.35520	14.0083	13.8874	8.4922	4.573	22.5434	5.8504	0.170438
436.	0.	3.34562	14.0083	13.8874	8.4879	4.579	22.5193	5.8311	0.171058
437.	0.	3.33607	14.0083	13.8874	8.4837	4.585	22.4981	5.8117	0.171679
438.	0.	3.32620	14.0083	13.8874	8.4773	4.594	22.4812	5.8024	0.172390
439.	0.	3.31664	14.0083	13.8874	8.4732	4.600	22.4569	5.7830	0.173007
440.	0.	3.30713	14.0083	13.8874	8.4691	4.606	22.4356	5.7636	0.173624
441.	0.	3.29730	14.0083	13.8874	8.4629	4.614	22.4187	5.7543	0.174331
442.	0.	3.28784	14.0083	13.8874	8.4589	4.620	22.3991	5.7349	0.174945
443.	0.	3.27807	14.0083	13.8874	8.4527	4.628	22.3827	5.7256	0.175647
444.	0.	3.26861	14.0084	13.8874	8.4489	4.633	22.3585	5.7063	0.176255
445.	0.	3.25919	14.0084	13.8874	8.4450	4.638	22.3372	5.6869	0.176864
446.	0.	3.24946	14.0084	13.8874	8.4390	4.646	22.3203	5.6776	0.177561
447.	0.	3.24002	14.0084	13.8874	8.4352	4.650	22.2958	5.6582	0.178167
448.	0.	3.23062	14.0084	13.8874	8.4315	4.654	22.2746	5.6388	0.178773
449.	0.	3.22092	14.0084	13.8874	8.4256	4.662	22.2577	5.6295	0.179467
450.	0.	3.21151	14.0084	13.8874	8.4220	4.665	22.2332	5.6101	0.180070
451.	0.	3.20208	14.0084	13.8874	8.4184	4.668	22.2070	5.5907	0.180673
452.	0.	3.19256	14.0084	13.8874	8.4149	4.669	22.1754	5.5713	0.181276
453.	0.	3.18332	14.0084	13.8874	8.4137	4.666	22.1381	5.5418	0.181792
454.	0.	3.17368	14.0084	13.8874	8.4102	4.668	22.1084	5.5224	0.182410
455.	0.	3.16396	14.0084	13.8874	8.4068	4.668	22.0753	5.5030	0.183031
456.	0.	3.15453	14.0085	13.8874	8.4057	4.665	22.0373	5.4736	0.183563
457.	0.	3.14469	14.0085	13.8874	8.4024	4.666	22.0069	5.4542	0.184197
458.	0.	3.13477	14.0085	13.8874	8.3991	4.665	21.9731	5.4348	0.184834
459.	0.	3.12514	14.0085	13.8874	8.3982	4.661	21.9338	5.4054	0.185383
460.	0.	3.11513	14.0085	13.8874	8.3949	4.661	21.9018	5.3860	0.186032
461.	0.	3.10505	14.0085	13.8874	8.3916	4.659	21.8661	5.3667	0.186684

462.	0.	3.09528	14.0086	13.8874	8.3906	4.654	21.8250	5.3372	0.187245
463.	0.	3.08503	14.0086	13.8874	8.3874	4.651	21.7868	5.3179	0.187910
464.	0.	3.07509	14.0086	13.8874	8.3866	4.644	21.7443	5.2885	0.188485
465.	0.	3.06468	14.0086	13.8874	8.3835	4.640	21.7050	5.2692	0.189164
466.	0.	3.05458	14.0086	13.8874	8.3828	4.633	21.6615	5.2398	0.189753
467.	0.	3.04403	14.0086	13.8874	8.3797	4.629	21.6216	5.2204	0.190445
468.	0.	3.03386	14.0087	13.8874	8.3787	4.621	21.5782	5.1910	0.191045
469.	0.	3.02319	14.0087	13.8874	8.3755	4.616	21.5384	5.1718	0.191751
470.	0.	3.01280	14.0087	13.8874	8.3747	4.606	21.4898	5.1424	0.192364
471.	0.	3.00232	14.0087	13.8874	8.3740	4.598	21.4437	5.1130	0.192990
472.	0.	2.99132	14.0087	13.8874	8.3711	4.593	21.4021	5.0937	0.193723
473.	0.	2.98071	14.0088	13.8874	8.3704	4.586	21.3574	5.0644	0.194364
474.	0.	2.96958	14.0088	13.8874	8.3675	4.581	21.3157	5.0451	0.195111
475.	0.	2.95884	14.0088	13.8874	8.3669	4.574	21.2706	5.0158	0.195764
476.	0.	2.94759	14.0088	13.8874	8.3640	4.569	21.2282	4.9965	0.196524
477.	0.	2.93672	14.0089	13.8874	8.3635	4.561	21.1824	4.9672	0.197190
478.	0.	2.92532	14.0089	13.8874	8.3607	4.556	21.1393	4.9480	0.197964
479.	0.	2.91426	14.0089	13.8874	8.3603	4.546	21.0874	4.9186	0.198641
480.	0.	2.90312	14.0090	13.8874	8.3600	4.537	21.0380	4.8893	0.199329
481.	0.	2.89146	14.0090	13.8874	8.3573	4.530	20.9928	4.8701	0.200128
482.	0.	2.88020	14.0090	13.8874	8.3571	4.521	20.9446	4.8408	0.200831
483.	0.	2.86842	14.0090	13.8874	8.3545	4.514	20.8993	4.8216	0.201643
484.	0.	2.85705	14.0091	13.8874	8.3544	4.504	20.8506	4.7924	0.202357
485.	0.	2.84515	14.0091	13.8874	8.3519	4.497	20.8047	4.7732	0.203182
486.	0.	2.83361	14.0091	13.8874	8.3519	4.485	20.7498	4.7439	0.203906
487.	0.	2.82200	14.0092	13.8874	8.3519	4.474	20.6978	4.7146	0.204643
488.	0.	2.80989	14.0092	13.8874	8.3493	4.468	20.6519	4.6955	0.205494
489.	0.	2.79820	14.0092	13.8874	8.3492	4.458	20.6023	4.6662	0.206245
490.	0.	2.78591	14.0092	13.8874	8.3470	4.449	20.5544	4.6471	0.207110
491.	0.	2.77406	14.0093	13.8874	8.3474	4.436	20.5023	4.6179	0.207872
492.	0.	2.76166	14.0093	13.8874	8.3454	4.427	20.4534	4.5987	0.208747
493.	0.	2.74967	14.0094	13.8874	8.3459	4.412	20.3952	4.5695	0.209519
494.	0.	2.73761	14.0094	13.8874	8.3464	4.399	20.3402	4.5403	0.210302
495.	0.	2.72501	14.0094	13.8874	8.3445	4.389	20.2898	4.5212	0.211200
496.	0.	2.71290	14.0095	13.8874	8.3451	4.376	20.2361	4.4920	0.211993
497.	0.	2.70025	14.0095	13.8874	8.3432	4.365	20.1864	4.4729	0.212900
498.	0.	2.68810	14.0096	13.8874	8.3439	4.352	20.1331	4.4437	0.213700
499.	0.	2.67539	14.0096	13.8874	8.3420	4.342	20.0833	4.4246	0.214615
500.	0.	2.66314	14.0096	13.8874	8.3428	4.328	20.0243	4.3954	0.215423
501.	0.	2.65082	14.0097	13.8874	8.3435	4.314	19.9683	4.3662	0.216243
502.	0.	2.63791	14.0097	13.8874	8.3419	4.303	19.9173	4.3472	0.217181
503.	0.	2.62561	14.0098	13.8874	8.3424	4.289	19.8627	4.3180	0.218007
504.	0.	2.61274	14.0098	13.8874	8.3405	4.278	19.8118	4.2990	0.218951
505.	0.	2.60041	14.0099	13.8874	8.3410	4.263	19.7572	4.2698	0.219784
506.	0.	2.58760	14.0099	13.8874	8.3386	4.249	19.7073	4.2507	0.220734
507.	0.	2.57561	14.0100	13.8874	8.3374	4.235	19.6530	4.2216	0.221562
508.	0.	2.56308	14.0100	13.8874	8.3337	4.228	19.6070	4.2025	0.222510
509.	0.	2.55053	14.0101	13.8874	8.3296	4.224	19.5545	4.1835	0.223459
510.	0.	2.53864	14.0101	13.8874	8.3281	4.215	19.5002	4.1543	0.224289
511.	0.	2.52608	14.0102	13.8874	8.3242	4.208	19.4487	4.1352	0.225243
512.	0.	2.51411	14.0102	13.8874	8.3226	4.199	19.3941	4.1061	0.226084
513.	0.	2.50169	14.0103	13.8874	8.3177	4.200	19.3528	4.0870	0.227048
514.	0.	2.48919	14.0104	13.8874	8.3135	4.198	19.3115	4.0680	0.228014
515.	0.	2.47671	14.0104	13.8874	8.3094	4.195	19.2707	4.0490	0.228978
516.	0.	2.46434	14.0105	13.8874	8.3049	4.188	19.2300	4.0299	0.229936
517.	0.	2.45195	14.0105	13.8874	8.3009	4.181	19.1892	4.0109	0.230894
518.	0.	2.43952	14.0106	13.8874	8.2972	4.175	19.1478	3.9919	0.231853
519.	0.	2.42709	14.0106	13.8874	8.2938	4.169	19.1056	3.9728	0.232809
520.	0.	2.41469	14.0107	13.8874	8.2905	4.162	19.0633	3.9538	0.233763
521.	0.	2.40247	14.0107	13.8874	8.2866	4.161	19.0247	3.9347	0.234712
522.	0.	2.39012	14.0108	13.8874	8.2835	4.157	18.9844	3.9157	0.235663
523.	0.	2.37777	14.0109	13.8874	8.2807	4.151	18.9428	3.8966	0.236612
524.	0.	2.36554	14.0109	13.8874	8.2775	4.142	18.9017	3.8776	0.237556
525.	0.	2.35331	14.0110	13.8874	8.2746	4.133	18.8601	3.8585	0.238499
526.	0.	2.34103	14.0111	13.8874	8.2722	4.124	18.8175	3.8394	0.239442
527.	0.	2.32872	14.0111	13.8874	8.2702	4.115	18.7738	3.8204	0.240384
528.	0.	2.31639	14.0112	13.8874	8.2685	4.106	18.7293	3.8013	0.241326

529.	0.	2.30407	14.0113	13.8874	8.2672	4.096	18.6847	3.7823	0.242267
530.	0.	2.29174	14.0113	13.8874	8.2661	4.086	18.6397	3.7632	0.243207
531.	0.	2.27942	14.0114	13.8874	8.2652	4.076	18.5942	3.7441	0.244145
532.	0.	2.26711	14.0115	13.8874	8.2647	4.065	18.5487	3.7251	0.245082
533.	0.	2.25494	14.0115	13.8874	8.2636	4.058	18.5063	3.7060	0.246014
534.	0.	2.24270	14.0116	13.8874	8.2633	4.049	18.4620	3.6869	0.246947
535.	0.	2.23043	14.0117	13.8874	8.2634	4.039	18.4162	3.6679	0.247879
536.	0.	2.21818	14.0118	13.8874	8.2637	4.028	18.3701	3.6488	0.248810
537.	0.	2.20594	14.0118	13.8874	8.2642	4.018	18.3236	3.6297	0.249739
538.	0.	2.19372	14.0119	13.8874	8.2650	4.007	18.2765	3.6107	0.250666
539.	0.	2.18152	14.0120	13.8874	8.2660	3.995	18.2292	3.5916	0.251591
540.	0.	2.16945	14.0121	13.8874	8.2666	3.981	18.1828	3.5725	0.252511
541.	0.	2.15738	14.0122	13.8874	8.2675	3.967	18.1360	3.5534	0.253429
542.	0.	2.14524	14.0123	13.8874	8.2689	3.952	18.0825	3.5343	0.254348
543.	0.	2.13379	14.0124	13.8874	8.2729	3.935	18.0239	3.5051	0.255146
544.	0.	2.12151	14.0125	13.8874	8.2748	3.921	17.9718	3.4861	0.256081
545.	0.	2.10925	14.0126	13.8874	8.2769	3.908	17.9211	3.4670	0.257016
546.	0.	2.09701	14.0127	13.8874	8.2792	3.894	17.8702	3.4479	0.257949
547.	0.	2.08479	14.0128	13.8874	8.2818	3.881	17.8190	3.4289	0.258879
548.	0.	2.07261	14.0129	13.8874	8.2846	3.868	17.7672	3.4098	0.259808
549.	0.	2.06045	14.0130	13.8874	8.2876	3.854	17.7151	3.3907	0.260734
550.	0.	2.04831	14.0131	13.8874	8.2908	3.840	17.6626	3.3717	0.261659
551.	0.	2.03618	14.0132	13.8874	8.2944	3.827	17.6091	3.3526	0.262582
552.	0.	2.02406	14.0133	13.8874	8.2983	3.814	17.5551	3.3335	0.263503
553.	0.	2.01198	14.0134	13.8874	8.3024	3.801	17.5008	3.3144	0.264422
554.	0.	1.99994	14.0135	13.8874	8.3066	3.788	17.4460	3.2953	0.265338
555.	0.	1.98790	14.0136	13.8874	8.3111	3.775	17.3910	3.2763	0.266255
556.	0.	1.97588	14.0137	13.8874	8.3159	3.763	17.3358	3.2572	0.267170
557.	0.	1.96390	14.0139	13.8874	8.3208	3.750	17.2802	3.2381	0.268084
558.	0.	1.95195	14.0140	13.8874	8.3259	3.737	17.2242	3.2190	0.268995
559.	0.	1.93996	14.0141	13.8874	8.3314	3.721	17.1608	3.1999	0.269905
560.	0.	1.92870	14.0142	13.8874	8.3398	3.703	17.0920	3.1707	0.270694
561.	0.	1.91659	14.0144	13.8874	8.3457	3.687	17.0302	3.1516	0.271622
562.	0.	1.90452	14.0145	13.8874	8.3518	3.673	16.9701	3.1325	0.272549
563.	0.	1.89250	14.0146	13.8874	8.3579	3.658	16.9103	3.1135	0.273473
564.	0.	1.88053	14.0148	13.8874	8.3641	3.643	16.8505	3.0944	0.274395
565.	0.	1.86861	14.0149	13.8874	8.3705	3.629	16.7907	3.0753	0.275314
566.	0.	1.85675	14.0150	13.8874	8.3769	3.615	16.7308	3.0562	0.276230
567.	0.	1.84493	14.0152	13.8874	8.3834	3.601	16.6709	3.0371	0.277144
568.	0.	1.83315	14.0153	13.8874	8.3900	3.587	16.6112	3.0181	0.278056
569.	0.	1.82143	14.0154	13.8874	8.3967	3.573	16.5516	2.9990	0.278966
570.	0.	1.80968	14.0156	13.8874	8.4037	3.559	16.4850	2.9799	0.279875
571.	0.	1.79863	14.0157	13.8874	8.4139	3.541	16.4055	2.9507	0.280662
572.	0.	1.78741	14.0159	13.8874	8.4243	3.523	16.3283	2.9215	0.281470
573.	0.	1.77524	14.0160	13.8874	8.4325	3.508	16.2607	2.9024	0.282427
574.	0.	1.76313	14.0162	13.8874	8.4407	3.495	16.1959	2.8834	0.283382
575.	0.	1.75110	14.0163	13.8874	8.4489	3.482	16.1320	2.8643	0.284333
576.	0.	1.73914	14.0165	13.8874	8.4572	3.471	16.0747	2.8453	0.285283
577.	0.	1.72649	14.0167	13.8874	8.4628	3.463	16.0224	2.8364	0.286351
578.	0.	1.71487	14.0168	13.8874	8.4713	3.454	15.9685	2.8173	0.287270
579.	0.	1.70254	14.0170	13.8874	8.4771	3.443	15.9108	2.8083	0.288304
580.	0.	1.69201	14.0171	13.8874	8.4882	3.430	15.8401	2.7791	0.289069
581.	0.	1.68052	14.0173	13.8874	8.4967	3.417	15.7680	2.7600	0.289974
582.	0.	1.66984	14.0175	13.8874	8.5079	3.403	15.6855	2.7308	0.290756
583.	0.	1.65913	14.0177	13.8874	8.5185	3.392	15.6023	2.7015	0.291546
584.	0.	1.64832	14.0178	13.8874	8.5287	3.384	15.5254	2.6724	0.292356
585.	0.	1.63668	14.0180	13.8874	8.5354	3.374	15.4540	2.6533	0.293304
586.	0.	1.62591	14.0182	13.8874	8.5446	3.362	15.3743	2.6241	0.294121
587.	0.	1.61501	14.0184	13.8874	8.5535	3.351	15.2994	2.5950	0.294960
588.	0.	1.60318	14.0186	13.8874	8.5594	3.345	15.2423	2.5760	0.295953
589.	0.	1.59061	14.0188	13.8874	8.5622	3.340	15.1933	2.5671	0.297072
590.	0.	1.57919	14.0190	13.8874	8.5677	3.337	15.1446	2.5480	0.298033
591.	0.	1.56705	14.0192	13.8874	8.5701	3.335	15.1063	2.5391	0.299117
592.	0.	1.55521	14.0194	13.8874	8.5724	3.333	15.0638	2.5302	0.300169
593.	0.	1.54443	14.0196	13.8874	8.5775	3.325	15.0032	2.5111	0.301064
594.	0.	1.53447	14.0198	13.8874	8.5853	3.312	14.9201	2.4818	0.301829
595.	0.	1.52515	14.0200	13.8874	8.5958	3.298	14.8282	2.4425	0.302490

596.	0.	1.51455	14.0202	13.8874	8.6033	3.286	14.7417	2.4133	0.303335
597.	0.	1.50373	14.0205	13.8874	8.6107	3.274	14.6566	2.3842	0.304211
598.	0.	1.49275	14.0207	13.8874	8.6178	3.267	14.5864	2.3551	0.305118
599.	0.	1.47987	14.0209	13.8874	8.6191	3.264	14.5322	2.3463	0.306321
600.	0.	1.46816	14.0211	13.8874	8.6231	3.259	14.4731	2.3274	0.307357
601.	0.	1.45650	14.0214	13.8874	8.6270	3.256	14.4114	2.3084	0.308391
602.	0.	1.44491	14.0216	13.8874	8.6310	3.248	14.3431	2.2894	0.309418
603.	0.	1.43423	14.0218	13.8874	8.6378	3.238	14.2620	2.2603	0.310307
604.	0.	1.42333	14.0221	13.8874	8.6445	3.227	14.1759	2.2312	0.311225
605.	0.	1.41222	14.0223	13.8874	8.6512	3.216	14.0880	2.2022	0.312174
606.	0.	1.40088	14.0226	13.8874	8.6577	3.205	13.9985	2.1732	0.313153
607.	0.	1.38932	14.0229	13.8874	8.6641	3.195	13.9079	2.1442	0.314165
608.	0.	1.37754	14.0231	13.8874	8.6703	3.184	13.8162	2.1152	0.315209
609.	0.	1.36554	14.0234	13.8874	8.6765	3.173	13.7238	2.0863	0.316284
610.	0.	1.35333	14.0237	13.8874	8.6826	3.162	13.6308	2.0574	0.317392
611.	0.	1.34091	14.0240	13.8874	8.6885	3.151	13.5373	2.0285	0.318532
612.	0.	1.32828	14.0243	13.8874	8.6944	3.141	13.4429	1.9997	0.319705
613.	0.	1.31548	14.0247	13.8874	8.7000	3.133	13.3564	1.9709	0.320909
614.	0.	1.30149	14.0250	13.8874	8.7027	3.123	13.2655	1.9523	0.322293
615.	0.	1.28950	14.0255	13.8874	8.7110	3.108	13.1532	1.9134	0.323372
616.	0.	1.27696	14.0262	13.8874	8.7187	3.095	13.0421	1.8745	0.324530
617.	0.	1.26307	14.0263	13.8874	8.7245	3.079	12.9309	1.8459	0.325897
618.	0.	1.25003	14.0263	13.8874	8.7330	3.067	12.8265	1.8071	0.327143
619.	0.	1.23449	14.0262	13.8874	8.7356	3.060	12.7454	1.7888	0.328781
620.	0.	1.21916	14.0261	13.8874	8.7382	3.053	12.6625	1.7704	0.330396
621.	0.	1.20504	14.0261	13.8874	8.7438	3.041	12.5599	1.7418	0.331828
622.	0.	1.19169	14.0261	13.8874	8.7525	3.016	12.4060	1.7031	0.333128
623.	0.	1.18190	14.0261	13.8874	8.7725	2.982	12.2009	1.6239	0.333854
624.	0.	1.16885	14.0259	13.8874	8.7889	2.946	11.9762	1.5551	0.335060
625.	0.	1.15490	14.0258	13.8874	8.8070	2.922	11.7767	1.4764	0.336402
626.	0.	1.13267	14.0256	13.8874	8.8092	2.911	11.6372	1.4491	0.339135
627.	0.	1.11045	14.0255	13.8874	8.8115	2.903	11.5084	1.4219	0.341878
628.	0.	1.08925	14.0252	13.8874	8.8183	2.849	11.2248	1.3844	0.344403
629.	0.	1.08532	14.0252	13.8874	8.8664	2.789	10.8325	1.1939	0.343910
630.	0.	1.05629	14.0251	13.8874	8.8708	2.749	10.5442	1.1281	0.348053
631.	0.	1.02297	14.0250	13.8874	8.8701	2.725	10.3131	1.0731	0.353106
632.	0.	0.98682	14.0250	13.8874	8.8662	2.697	10.0757	1.0288	0.358770
633.	0.	0.95425	14.0249	13.8874	8.8704	2.657	9.7874	0.9538	0.363826
634.	0.	0.91668	14.0252	13.8874	8.9124	2.523	9.4026	0.8699	0.369948
635.	0.	0.85133	14.0240	13.8874	9.4007	1.890	9.1701	0.7015	0.381503
636.	0.	0.77611	14.0395	13.8874	9.8054	1.137	9.0257	0.5578	0.397763
637.	0.	0.70545	14.0588	13.8874	9.8716	0.582	8.9154	0.4952	0.415191
638.	0.	0.62271	14.2359	13.8874	9.6712	0.098	9.0662	0.4854	0.435364
639.	0.	0.55091	14.3597	13.8874	10.0574	0.514	9.4587	0.4514	0.451354