

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.	4.36840	13.0437	12.4477	11.9073	0.000	31.5091	11.1400	0.000000
1.	0.	4.37549	13.0481	12.4477	11.8459	0.000	31.4214	11.0998	-0.000155
2.	0.	4.38238	13.0525	12.4477	11.7864	0.000	31.3335	11.0597	-0.000313
3.	0.	4.38925	13.0568	12.4477	11.7294	0.000	31.2548	11.0195	-0.000474
4.	0.	4.39531	13.0609	12.4477	11.6744	0.000	31.1782	10.9894	-0.000586
5.	0.	4.40152	13.0649	12.4477	11.6220	0.000	31.1078	10.9493	-0.000737
6.	0.	4.40744	13.0688	12.4477	11.5716	0.000	31.0400	10.9091	-0.000883
7.	0.	4.41291	13.0726	12.4477	11.5229	0.000	30.9641	10.8690	-0.001029
8.	0.	4.41840	13.0764	12.4477	11.4759	0.000	30.8734	10.8188	-0.001224
9.	0.	4.42417	13.0802	12.4477	11.4304	0.000	30.7787	10.7585	-0.001472
10.	0.	4.42916	13.0838	12.4477	11.3859	0.000	30.6823	10.7083	-0.001668
11.	0.	4.43438	13.0875	12.4477	11.3431	0.000	30.5783	10.6481	-0.001920
12.	0.	4.43958	13.0911	12.4477	11.3013	0.000	30.4779	10.5878	-0.002176
13.	0.	4.44408	13.0945	12.4477	11.2603	0.000	30.3784	10.5376	-0.002380
14.	0.	4.44887	13.0980	12.4477	11.2208	0.000	30.2725	10.4774	-0.002642
15.	0.	4.45363	13.1013	12.4477	11.1822	0.000	30.1703	10.4171	-0.002907
16.	0.	4.45771	13.1046	12.4477	11.1442	0.000	30.0694	10.3669	-0.003116
17.	0.	4.46208	13.1079	12.4477	11.1076	0.000	29.9623	10.3066	-0.003385
18.	0.	4.46642	13.1111	12.4477	11.0719	0.000	29.8591	10.2463	-0.003656
19.	0.	4.47007	13.1142	12.4477	11.0366	0.000	29.7571	10.1961	-0.003869
20.	0.	4.47402	13.1173	12.4477	11.0025	0.000	29.6490	10.1359	-0.004142
21.	0.	4.47793	13.1203	12.4477	10.9692	0.000	29.5450	10.0756	-0.004417
22.	0.	4.48114	13.1232	12.4477	10.9362	0.000	29.4424	10.0254	-0.004629
23.	0.	4.48480	13.1261	12.4477	10.9045	0.000	29.3399	9.9651	-0.004904
24.	0.	4.48771	13.1287	13.8874	10.8729	0.000	29.2377	9.9149	-0.005114
25.	0.	4.49093	13.1306	13.8874	10.8426	360.000	29.1292	9.8546	-0.005388
26.	0.	4.49408	13.1326	13.8874	10.8128	360.000	29.0248	9.7943	-0.005661
27.	0.	4.49649	13.1344	13.8874	10.7832	360.000	28.9219	9.7441	-0.005865
28.	0.	4.49922	13.1362	13.8874	10.7548	0.000	28.8132	9.6839	-0.006135
29.	0.	4.50214	13.1379	13.8874	10.7269	0.000	28.7207	9.6236	-0.006400
30.	0.	4.50411	13.1395	13.8874	10.6980	0.000	28.6760	9.5936	-0.006450
31.	0.	4.50468	13.1408	13.8874	10.6681	0.000	28.6852	9.6038	-0.006217
32.	0.	4.50507	13.1419	13.8874	10.6382	0.000	28.7127	9.6241	-0.005916
33.	0.	4.50593	13.1430	13.8874	10.6100	0.000	28.7372	9.6343	-0.005686
34.	0.	4.50664	13.1440	13.8874	10.5830	0.001	28.7608	9.6445	-0.005457
35.	0.	4.50723	13.1449	13.8874	10.5570	0.001	28.7841	9.6548	-0.005229
36.	0.	4.50770	13.1458	13.8874	10.5322	0.001	28.8072	9.6650	-0.005002
37.	0.	4.50807	13.1465	13.8874	10.5083	0.001	28.8303	9.6752	-0.004776
38.	0.	4.50854	13.1472	13.8874	10.4854	0.001	28.8620	9.6854	-0.004552
39.	0.	4.50841	13.1478	13.8874	10.4629	0.001	28.8969	9.7057	-0.004263
40.	0.	4.50860	13.1484	13.8874	10.4418	0.001	28.9236	9.7160	-0.004043
41.	0.	4.50865	13.1489	13.8874	10.4214	0.002	28.9476	9.7262	-0.003824
42.	0.	4.50861	13.1494	13.8874	10.4019	0.002	28.9707	9.7364	-0.003607
43.	0.	4.50849	13.1498	13.8874	10.3830	0.002	28.9933	9.7466	-0.003391
44.	0.	4.50851	13.1501	13.8874	10.3648	0.002	29.0246	9.7568	-0.003177
45.	0.	4.50800	13.1504	13.8874	10.3466	0.002	29.0588	9.7771	-0.002899
46.	0.	4.50781	13.1507	13.8874	10.3296	0.002	29.0847	9.7873	-0.002689
47.	0.	4.50750	13.1509	13.8874	10.3133	0.002	29.1081	9.7975	-0.002481
48.	0.	4.50713	13.1512	13.8874	10.2974	0.002	29.1305	9.8077	-0.002274
49.	0.	4.50671	13.1513	13.8874	10.2821	0.002	29.1524	9.8179	-0.002068
50.	0.	4.50624	13.1515	13.8874	10.2672	0.002	29.1741	9.8281	-0.001864
51.	0.	4.50593	13.1516	13.8874	10.2528	0.002	29.2045	9.8383	-0.001662
52.	0.	4.50514	13.1516	13.8874	10.2383	0.002	29.2376	9.8586	-0.001398
53.	0.	4.50465	13.1517	13.8874	10.2248	0.002	29.2623	9.8688	-0.001200
54.	0.	4.50409	13.1517	13.8874	10.2117	0.002	29.2849	9.8790	-0.001004
55.	0.	4.50347	13.1517	13.8874	10.1989	0.003	29.3065	9.8892	-0.000809
56.	0.	4.50282	13.1517	13.8874	10.1865	0.003	29.3275	9.8994	-0.000615
57.	0.	4.50234	13.1517	13.8874	10.1745	0.003	29.3572	9.9096	-0.000424
58.	0.	4.50140	13.1516	13.8874	10.1622	0.003	29.3893	9.9298	-0.000172
59.	0.	4.50077	13.1515	13.8874	10.1509	0.003	29.4131	9.9400	-0.000010

60.	0.	4.49987	13.1514	13.8874	10.1398	0.003	29.4264	9.9502	0.000202
61.	0.	4.49901	13.1513	13.8874	10.1296	0.003	29.4207	9.9503	0.000327
62.	0.	4.49847	13.1513	13.8874	10.1201	0.003	29.4090	9.9404	0.000390
63.	0.	4.49736	13.1512	13.8874	10.1102	0.003	29.3953	9.9405	0.000516
64.	0.	4.49653	13.1512	13.8874	10.1012	0.003	29.3738	9.9306	0.000580
65.	0.	4.49560	13.1511	13.8874	10.0922	0.003	29.3498	9.9206	0.000646
66.	0.	4.49462	13.1511	13.8874	10.0834	0.003	29.3250	9.9107	0.000713
67.	0.	4.49359	13.1510	13.8874	10.0748	0.003	29.2999	9.9008	0.000780
68.	0.	4.49252	13.1510	13.8874	10.0663	0.003	29.2749	9.8908	0.000849
69.	0.	4.49143	13.1509	13.8874	10.0580	0.003	29.2503	9.8809	0.000918
70.	0.	4.49015	13.1508	13.8874	10.0497	0.003	29.2193	9.8710	0.000989
71.	0.	4.48913	13.1507	13.8874	10.0422	0.003	29.1797	9.8510	0.000998
72.	0.	4.48799	13.1507	13.8874	10.0348	0.003	29.1374	9.8310	0.001010
73.	0.	4.48679	13.1506	13.8874	10.0275	0.003	29.0943	9.8110	0.001023
74.	0.	4.48553	13.1506	13.8874	10.0203	0.003	29.0509	9.7910	0.001038
75.	0.	4.48423	13.1505	13.8874	10.0132	0.003	29.0075	9.7711	0.001056
76.	0.	4.48289	13.1504	13.8874	10.0061	0.003	28.9645	9.7511	0.001075
77.	0.	4.48149	13.1504	13.8874	9.9991	0.003	28.9215	9.7311	0.001097
78.	0.	4.48007	13.1503	13.8874	9.9922	0.003	28.8790	9.7111	0.001120
79.	0.	4.47859	13.1502	13.8874	9.9854	0.003	28.8364	9.6911	0.001146
80.	0.	4.47706	13.1501	13.8874	9.9786	0.003	28.7941	9.6712	0.001174
81.	0.	4.47549	13.1500	13.8874	9.9720	0.003	28.7520	9.6512	0.001205
82.	0.	4.47388	13.1500	13.8874	9.9654	0.003	28.7100	9.6312	0.001237
83.	0.	4.47221	13.1499	13.8874	9.9588	0.003	28.6682	9.6113	0.001272
84.	0.	4.47051	13.1498	13.8874	9.9524	0.003	28.6268	9.5913	0.001310
85.	0.	4.46862	13.1497	13.8874	9.9460	0.003	28.5798	9.5713	0.001349
86.	0.	4.46674	13.1496	13.8874	9.9402	0.003	28.5138	9.5413	0.001326
87.	0.	4.46551	13.1496	13.8874	9.9358	0.003	28.4360	9.4912	0.001174
88.	0.	4.46361	13.1496	13.8874	9.9307	0.003	28.3548	9.4511	0.001093
89.	0.	4.46212	13.1497	13.8874	9.9262	0.003	28.2731	9.4009	0.000949
90.	0.	4.46001	13.1497	13.8874	9.9210	0.003	28.1916	9.3609	0.000879
91.	0.	4.45834	13.1497	13.8874	9.9165	0.003	28.1097	9.3107	0.000744
92.	0.	4.45606	13.1497	13.8874	9.9112	0.003	28.0280	9.2707	0.000684
93.	0.	4.45420	13.1497	13.8874	9.9067	0.003	27.9462	9.2206	0.000559
94.	0.	4.45173	13.1497	13.8874	9.9014	0.003	27.8647	9.1805	0.000511
95.	0.	4.44967	13.1498	13.8874	9.8968	0.003	27.7830	9.1304	0.000396
96.	0.	4.44698	13.1497	13.8874	9.8914	0.003	27.7021	9.0904	0.000362
97.	0.	4.44472	13.1498	13.8874	9.8868	0.003	27.6244	9.0403	0.000265
98.	0.	4.44180	13.1498	13.8874	9.8814	0.003	27.5482	9.0002	0.000250
99.	0.	4.43931	13.1498	13.8874	9.8768	0.002	27.4723	8.9502	0.000169
100.	0.	4.43614	13.1498	13.8874	9.8713	0.002	27.3968	8.9102	0.000171
101.	0.	4.43340	13.1498	13.8874	9.8666	0.002	27.3214	8.8601	0.000105
102.	0.	4.42997	13.1498	13.8874	9.8612	0.002	27.2470	8.8201	0.000125
103.	0.	4.42696	13.1498	13.8874	9.8564	0.002	27.1728	8.7701	0.000077
104.	0.	4.42338	13.1498	13.8874	9.8509	0.002	27.1041	8.7301	0.000117
105.	0.	4.42026	13.1498	13.8874	9.8426	0.002	27.0332	8.6902	0.000163
106.	0.	4.41777	13.1498	13.8874	9.8340	0.002	26.9625	8.6401	0.000140
107.	0.	4.41462	13.1498	13.8874	9.8243	0.002	26.8922	8.6002	0.000209
108.	0.	4.41201	13.1498	13.8874	9.8152	0.001	26.8262	8.5502	0.000207
109.	0.	4.40911	13.1498	13.8874	9.8047	0.001	26.8089	8.5204	0.000387
110.	0.	4.40343	13.1494	13.8874	9.7894	0.001	26.8610	8.5611	0.001148
111.	0.	4.39821	13.1489	13.8874	9.7748	0.001	26.9293	8.6019	0.001888
112.	0.	4.39376	13.1486	13.8874	9.7618	0.001	27.0037	8.6325	0.002529
113.	0.	4.38845	13.1481	13.8874	9.7500	360.000	27.0833	8.6732	0.003246
114.	0.	4.38361	13.1477	13.8874	9.7402	359.999	27.1641	8.7039	0.003871
115.	0.	4.37847	13.1473	13.8874	9.7303	359.998	27.2533	8.7446	0.004556
116.	0.	4.37333	13.1468	13.8874	9.7210	359.998	27.3367	8.7852	0.005221
117.	0.	4.36885	13.1464	13.8874	9.7128	359.998	27.4178	8.8158	0.005792
118.	0.	4.36416	13.1459	13.8874	9.7042	359.998	27.5063	8.8564	0.006419
119.	0.	4.35955	13.1454	13.8874	9.6957	359.998	27.5881	8.8970	0.007027
120.	0.	4.35555	13.1450	13.8874	9.6884	359.997	27.6670	8.9275	0.007547
121.	0.	4.35133	13.1445	13.8874	9.6805	359.996	27.7527	8.9681	0.008123
122.	0.	4.34711	13.1441	13.8874	9.6729	359.996	27.8308	9.0087	0.008682
123.	0.	4.34350	13.1437	13.8874	9.6663	359.996	27.9066	9.0392	0.009157
124.	0.	4.33954	13.1432	13.8874	9.6590	359.996	27.9819	9.0797	0.009687
125.	0.	4.33520	13.1428	13.8874	9.6524	359.996	28.0077	9.1101	0.010137
126.	0.	4.33243	13.1426	13.8874	9.6493	359.996	27.9876	9.0902	0.010240

127.	0.	4.32952	13.1425	13.8874	9.6456	359.999	27.9512	9.0703	0.010339
128.	0.	4.32692	13.1423	13.8874	9.6409	360.000	27.9151	9.0504	0.010432
129.	0.	4.32381	13.1421	13.8874	9.6355	359.999	27.8802	9.0406	0.010595
130.	0.	4.32087	13.1420	13.8874	9.6313	359.997	27.8390	9.0207	0.010696
131.	0.	4.31783	13.1418	13.8874	9.6271	359.994	27.7957	9.0008	0.010799
132.	0.	4.31472	13.1417	13.8874	9.6231	359.990	27.7517	8.9809	0.010906
133.	0.	4.31168	13.1416	13.8874	9.6191	359.986	27.7140	8.9610	0.011016
134.	0.	4.30815	13.1414	13.8874	9.6144	359.982	27.6789	8.9512	0.011197
135.	0.	4.30498	13.1413	13.8874	9.6105	359.978	27.6380	8.9313	0.011311
136.	0.	4.30172	13.1411	13.8874	9.6065	359.974	27.5954	8.9114	0.011427
137.	0.	4.29854	13.1410	13.8874	9.6027	359.970	27.5587	8.8915	0.011546
138.	0.	4.29486	13.1409	13.8874	9.5981	359.966	27.5243	8.8817	0.011738
139.	0.	4.29155	13.1408	13.8874	9.5942	359.962	27.4844	8.8619	0.011861
140.	0.	4.28816	13.1407	13.8874	9.5904	359.958	27.4433	8.8420	0.011987
141.	0.	4.28472	13.1406	13.8874	9.5866	359.953	27.4019	8.8221	0.012115
142.	0.	4.28135	13.1405	13.8874	9.5828	359.949	27.3665	8.8022	0.012248
143.	0.	4.27748	13.1403	13.8874	9.5783	359.945	27.3334	8.7925	0.012453
144.	0.	4.27397	13.1403	13.8874	9.5746	359.940	27.2948	8.7726	0.012589
145.	0.	4.27039	13.1402	13.8874	9.5709	359.936	27.2547	8.7527	0.012728
146.	0.	4.26699	13.1401	13.8874	9.5672	359.931	27.2260	8.7329	0.012871
147.	0.	4.26285	13.1399	13.8874	9.5621	359.927	27.2136	8.7332	0.013159
148.	0.	4.25900	13.1398	13.8874	9.5571	359.922	27.2147	8.7334	0.013445
149.	0.	4.25476	13.1395	13.8874	9.5515	359.917	27.2208	8.7438	0.013800
150.	0.	4.25093	13.1394	13.8874	9.5467	359.913	27.2198	8.7441	0.014080
151.	0.	4.24708	13.1392	13.8874	9.5419	359.908	27.2168	8.7444	0.014357
152.	0.	4.24363	13.1390	13.8874	9.5366	359.906	27.2212	8.7446	0.014627
153.	0.	4.23982	13.1388	13.8874	9.5303	359.905	27.2282	8.7550	0.014961
154.	0.	4.23644	13.1386	13.8874	9.5248	359.905	27.2276	8.7552	0.015221
155.	0.	4.23320	13.1385	13.8874	9.5194	359.904	27.2329	8.7555	0.015479
156.	0.	4.22953	13.1383	13.8874	9.5132	359.903	27.2404	8.7658	0.015803
157.	0.	4.22625	13.1381	13.8874	9.5078	359.903	27.2401	8.7661	0.016054
158.	0.	4.22294	13.1379	13.8874	9.5025	359.903	27.2375	8.7663	0.016303
159.	0.	4.21980	13.1378	13.8874	9.4973	359.902	27.2423	8.7666	0.016550
160.	0.	4.21624	13.1376	13.8874	9.4913	359.902	27.2497	8.7769	0.016864
161.	0.	4.21305	13.1374	13.8874	9.4862	359.902	27.2496	8.7771	0.017105
162.	0.	4.20999	13.1373	13.8874	9.4812	359.901	27.2554	8.7773	0.017345
163.	0.	4.20650	13.1371	13.8874	9.4755	359.901	27.2634	8.7877	0.017650
164.	0.	4.20338	13.1369	13.8874	9.4706	359.901	27.2636	8.7879	0.017884
165.	0.	4.20038	13.1368	13.8874	9.4658	359.900	27.2697	8.7881	0.018117
166.	0.	4.19695	13.1366	13.8874	9.4603	359.900	27.2779	8.7984	0.018415
167.	0.	4.19387	13.1365	13.8874	9.4556	359.900	27.2783	8.7986	0.018642
168.	0.	4.19074	13.1363	13.8874	9.4511	359.901	27.2765	8.7989	0.018869
169.	0.	4.18775	13.1362	13.8874	9.4468	359.902	27.2819	8.7991	0.019094
170.	0.	4.18434	13.1360	13.8874	9.4417	359.903	27.2898	8.8094	0.019384
171.	0.	4.18128	13.1359	13.8874	9.4375	359.904	27.2904	8.8096	0.019605
172.	0.	4.17762	13.1357	13.8874	9.4331	359.905	27.2595	8.8098	0.019822
173.	0.	4.17566	13.1359	13.8874	9.4326	359.907	27.1938	8.7597	0.019706
174.	0.	4.17303	13.1360	13.8874	9.4312	359.908	27.1234	8.7197	0.019663
175.	0.	4.17027	13.1361	13.8874	9.4298	359.910	27.0511	8.6796	0.019625
176.	0.	4.16742	13.1362	13.8874	9.4283	359.912	26.9785	8.6396	0.019594
177.	0.	4.16447	13.1363	13.8874	9.4267	359.913	26.9067	8.5996	0.019569
178.	0.	4.16131	13.1364	13.8874	9.4251	359.915	26.8312	8.5596	0.019551
179.	0.	4.15883	13.1366	13.8874	9.4244	359.917	26.7701	8.5095	0.019472
180.	0.	4.15525	13.1365	13.8874	9.4207	359.920	26.7626	8.4997	0.019685
181.	0.	4.15063	13.1363	13.8874	9.4139	359.922	26.8053	8.5302	0.020181
182.	0.	4.14643	13.1360	13.8874	9.4074	359.924	26.8640	8.5607	0.020665
183.	0.	4.14246	13.1357	13.8874	9.4012	359.926	26.9280	8.5911	0.021136
184.	0.	4.13819	13.1355	13.8874	9.3949	359.929	26.9702	8.6216	0.021595
185.	0.	4.13478	13.1354	13.8874	9.3910	359.931	26.9755	8.6218	0.021842
186.	0.	4.13154	13.1353	13.8874	9.3880	359.934	26.9632	8.6120	0.022018
187.	0.	4.12816	13.1353	13.8874	9.3849	359.937	26.9449	8.6022	0.022195
188.	0.	4.12485	13.1353	13.8874	9.3818	359.940	26.9303	8.5924	0.022372
189.	0.	4.12108	13.1352	13.8874	9.3780	359.942	26.9175	8.5926	0.022618
190.	0.	4.11769	13.1351	13.8874	9.3750	359.945	26.8990	8.5828	0.022794
191.	0.	4.11433	13.1351	13.8874	9.3718	359.948	26.8783	8.5730	0.022968
192.	0.	4.11104	13.1351	13.8874	9.3687	359.951	26.8629	8.5631	0.023144
193.	0.	4.10731	13.1350	13.8874	9.3648	359.954	26.8496	8.5634	0.023388

194.	0.	4.10397	13.1349	13.8874	9.3617	359.958	26.8309	8.5536	0.023562
195.	0.	4.10059	13.1349	13.8874	9.3586	359.961	26.8105	8.5437	0.023737
196.	0.	4.09718	13.1348	13.8874	9.3556	359.964	26.7896	8.5339	0.023913
197.	0.	4.09387	13.1348	13.8874	9.3526	359.967	26.7742	8.5241	0.024089
198.	0.	4.09013	13.1347	13.8874	9.3488	359.970	26.7608	8.5243	0.024333
199.	0.	4.08681	13.1346	13.8874	9.3457	359.973	26.7421	8.5145	0.024507
200.	0.	4.08344	13.1346	13.8874	9.3427	359.975	26.7217	8.5047	0.024681
201.	0.	4.08014	13.1345	13.8874	9.3398	359.978	26.7064	8.4949	0.024856
202.	0.	4.07636	13.1344	13.8874	9.3361	359.980	26.6931	8.4951	0.025100
203.	0.	4.07298	13.1343	13.8874	9.3333	359.982	26.6744	8.4853	0.025275
204.	0.	4.06956	13.1343	13.8874	9.3305	359.984	26.6541	8.4754	0.025450
205.	0.	4.06622	13.1342	13.8874	9.3278	359.987	26.6387	8.4656	0.025626
206.	0.	4.06243	13.1340	13.8874	9.3243	359.989	26.6254	8.4659	0.025870
207.	0.	4.05903	13.1340	13.8874	9.3216	359.991	26.6069	8.4560	0.026044
208.	0.	4.05568	13.1339	13.8874	9.3189	359.993	26.5864	8.4462	0.026214
209.	0.	4.05230	13.1338	13.8874	9.3161	359.996	26.5652	8.4364	0.026385
210.	0.	4.04907	13.1337	13.8874	9.3134	359.998	26.5488	8.4266	0.026552
211.	0.	4.04539	13.1335	13.8874	9.3098	0.001	26.5346	8.4268	0.026787
212.	0.	4.04214	13.1334	13.8874	9.3071	0.003	26.5151	8.4170	0.026951
213.	0.	4.03884	13.1333	13.8874	9.3044	0.006	26.4941	8.4071	0.027116
214.	0.	4.03564	13.1332	13.8874	9.3018	0.008	26.4781	8.3973	0.027281
215.	0.	4.03207	13.1330	13.8874	9.2983	0.010	26.4695	8.3975	0.027516
216.	0.	4.02860	13.1328	13.8874	9.2947	0.013	26.4635	8.3977	0.027749
217.	0.	4.02514	13.1326	13.8874	9.2913	0.016	26.4586	8.3980	0.027981
218.	0.	4.02176	13.1324	13.8874	9.2877	0.020	26.4539	8.3982	0.028211
219.	0.	4.01843	13.1322	13.8874	9.2840	0.024	26.4493	8.3984	0.028439
220.	0.	4.01513	13.1320	13.8874	9.2803	0.029	26.4448	8.3987	0.028665
221.	0.	4.01177	13.1318	13.8874	9.2769	0.033	26.4407	8.3989	0.028891
222.	0.	4.00847	13.1316	13.8874	9.2735	0.037	26.4365	8.3991	0.029114
223.	0.	4.00511	13.1314	13.8874	9.2700	0.042	26.4266	8.3993	0.029334
224.	0.	4.00223	13.1312	13.8874	9.2673	0.046	26.4146	8.3895	0.029485
225.	0.	3.99889	13.1310	13.8874	9.2640	0.049	26.4079	8.3897	0.029705
226.	0.	3.99568	13.1307	13.8874	9.2605	0.053	26.4023	8.3899	0.029922
227.	0.	3.99244	13.1305	13.8874	9.2572	0.056	26.3977	8.3901	0.030138
228.	0.	3.98922	13.1303	13.8874	9.2540	0.060	26.3933	8.3904	0.030353
229.	0.	3.98609	13.1300	13.8874	9.2505	0.064	26.3888	8.3906	0.030564
230.	0.	3.98298	13.1298	13.8874	9.2472	0.067	26.3842	8.3908	0.030773
231.	0.	3.97989	13.1296	13.8874	9.2438	0.071	26.3796	8.3910	0.030981
232.	0.	3.97680	13.1293	13.8874	9.2403	0.076	26.3697	8.3912	0.031185
233.	0.	3.97411	13.1291	13.8874	9.2375	0.081	26.3524	8.3813	0.031318
234.	0.	3.97137	13.1289	13.8874	9.2347	0.086	26.3329	8.3715	0.031452
235.	0.	3.96861	13.1287	13.8874	9.2319	0.091	26.3126	8.3616	0.031587
236.	0.	3.96583	13.1285	13.8874	9.2291	0.096	26.2921	8.3517	0.031722
237.	0.	3.96305	13.1283	13.8874	9.2263	0.101	26.2714	8.3419	0.031858
238.	0.	3.96025	13.1281	12.4477	9.2235	0.106	26.2507	8.3320	0.031994
239.	0.	3.95736	13.1278	12.4477	9.2207	0.111	26.2250	8.3221	0.032131
240.	0.	3.95493	13.1276	12.4477	9.2187	0.117	26.1970	8.3022	0.032199
241.	0.	3.95204	13.1273	12.4477	9.2158	0.122	26.1740	8.2923	0.032340
242.	0.	3.94920	13.1270	12.4477	9.2129	0.128	26.1526	8.2825	0.032480
243.	0.	3.94639	13.1267	12.4477	9.2098	0.135	26.1318	8.2726	0.032620
244.	0.	3.94358	13.1264	12.4477	9.2068	0.141	26.1113	8.2628	0.032761
245.	0.	3.94076	13.1261	12.4477	9.2038	0.148	26.0908	8.2529	0.032903
246.	0.	3.93794	13.1258	12.4477	9.2007	0.155	26.0703	8.2430	0.033045
247.	0.	3.93510	13.1254	12.4477	9.1977	0.162	26.0498	8.2332	0.033188
248.	0.	3.93230	13.1251	12.4477	9.1945	0.170	26.0296	8.2233	0.033330
249.	0.	3.92954	13.1248	12.4477	9.1913	0.178	26.0098	8.2135	0.033472
250.	0.	3.92686	13.1244	12.4477	9.1881	0.187	25.9950	8.2036	0.033614
251.	0.	3.92377	13.1240	12.4477	9.1841	0.196	25.9876	8.2038	0.033828
252.	0.	3.92074	13.1236	12.4477	9.1801	0.204	25.9825	8.2040	0.034040
253.	0.	3.91775	13.1231	12.4477	9.1761	0.212	25.9782	8.2043	0.034251
254.	0.	3.91493	13.1227	12.4477	9.1722	0.221	25.9812	8.2045	0.034459
255.	0.	3.91168	13.1222	12.4477	9.1674	0.229	25.9871	8.2147	0.034733
256.	0.	3.90894	13.1217	12.4477	9.1634	0.238	25.9863	8.2149	0.034931
257.	0.	3.90621	13.1213	12.4477	9.1593	0.247	25.9834	8.2151	0.035127
258.	0.	3.90361	13.1209	12.4477	9.1553	0.256	25.9869	8.2153	0.035321
259.	0.	3.90054	13.1203	12.4477	9.1506	0.264	25.9932	8.2256	0.035584
260.	0.	3.89794	13.1199	12.4477	9.1466	0.273	25.9928	8.2258	0.035772

261.	0.	3.89534	13.1194	12.4477	9.1426	0.282	25.9904	8.2260	0.035959
262.	0.	3.89286	13.1190	12.4477	9.1387	0.291	25.9943	8.2261	0.036145
263.	0.	3.89003	13.1185	12.4477	9.1336	0.299	26.0010	8.2364	0.036395
264.	0.	3.88771	13.1180	12.4477	9.1292	0.306	26.0009	8.2366	0.036571
265.	0.	3.88539	13.1176	12.4477	9.1247	0.313	25.9988	8.2367	0.036746
266.	0.	3.88321	13.1171	12.4477	9.1203	0.320	26.0031	8.2369	0.036919
267.	0.	3.88055	13.1166	12.4477	9.1150	0.327	26.0102	8.2472	0.037159
268.	0.	3.87836	13.1162	12.4477	9.1106	0.334	26.0106	8.2473	0.037328
269.	0.	3.87616	13.1157	12.4477	9.1061	0.341	26.0091	8.2475	0.037495
270.	0.	3.87408	13.1153	12.4477	9.1018	0.348	26.0139	8.2477	0.037661
271.	0.	3.87153	13.1148	12.4477	9.0966	0.355	26.0216	8.2579	0.037894
272.	0.	3.86944	13.1143	12.4477	9.0922	0.362	26.0225	8.2581	0.038055
273.	0.	3.86746	13.1139	12.4477	9.0879	0.369	26.0285	8.2582	0.038216
274.	0.	3.86506	13.1134	12.4477	9.0825	0.377	26.0369	8.2684	0.038442
275.	0.	3.86313	13.1130	12.4477	9.0778	0.385	26.0382	8.2686	0.038597
276.	0.	3.86134	13.1125	12.4477	9.0731	0.394	26.0445	8.2688	0.038750
277.	0.	3.85907	13.1120	12.4477	9.0676	0.402	26.0530	8.2790	0.038970
278.	0.	3.85736	13.1116	12.4477	9.0629	0.411	26.0615	8.2791	0.039120
279.	0.	3.85516	13.1111	12.4477	9.0574	0.419	26.0710	8.2893	0.039335
280.	0.	3.85340	13.1107	12.4477	9.0527	0.428	26.0734	8.2895	0.039480
281.	0.	3.85174	13.1103	12.4477	9.0481	0.438	26.0806	8.2896	0.039625
282.	0.	3.84961	13.1098	12.4477	9.0426	0.446	26.0901	8.2998	0.039835
283.	0.	3.84803	13.1094	12.4477	9.0380	0.456	26.0996	8.3000	0.039976
284.	0.	3.84595	13.1089	12.4477	9.0326	0.465	26.1100	8.3102	0.040182
285.	0.	3.84430	13.1085	12.4477	9.0280	0.474	26.1130	8.3103	0.040320
286.	0.	3.84276	13.1081	12.4477	9.0235	0.484	26.1208	8.3105	0.040456
287.	0.	3.84076	13.1077	12.4477	9.0180	0.494	26.1307	8.3207	0.040657
288.	0.	3.83930	13.1073	12.4477	9.0135	0.504	26.1406	8.3208	0.040790
289.	0.	3.83736	13.1068	12.4477	9.0082	0.514	26.1514	8.3310	0.040987
290.	0.	3.83575	13.1064	12.4477	9.0036	0.524	26.1498	8.3311	0.041116
291.	0.	3.83451	13.1061	12.4477	8.9997	0.535	26.1386	8.3212	0.041178
292.	0.	3.83321	13.1058	12.4477	8.9958	0.546	26.1245	8.3112	0.041241
293.	0.	3.83195	13.1055	12.4477	8.9920	0.557	26.1145	8.3013	0.041305
294.	0.	3.83020	13.1051	12.4477	8.9873	0.568	26.1064	8.3014	0.041436
295.	0.	3.82888	13.1047	12.4477	8.9835	0.579	26.0932	8.2915	0.041501
296.	0.	3.82751	13.1044	12.4477	8.9796	0.591	26.0785	8.2816	0.041566
297.	0.	3.82612	13.1041	12.4477	8.9758	0.603	26.0634	8.2716	0.041632
298.	0.	3.82480	13.1038	12.4477	8.9719	0.615	26.0531	8.2617	0.041700
299.	0.	3.82300	13.1034	12.4477	8.9673	0.626	26.0452	8.2618	0.041834
300.	0.	3.82164	13.1030	12.4477	8.9634	0.639	26.0322	8.2519	0.041901
301.	0.	3.82024	13.1027	12.4477	8.9595	0.651	26.0179	8.2420	0.041969
302.	0.	3.81882	13.1024	12.4477	8.9556	0.664	26.0030	8.2320	0.042038
303.	0.	3.81738	13.1020	12.4477	8.9517	0.676	25.9880	8.2221	0.042108
304.	0.	3.81600	13.1017	12.4477	8.9478	0.689	25.9780	8.2122	0.042179
305.	0.	3.81413	13.1013	12.4477	8.9431	0.701	25.9704	8.2123	0.042318
306.	0.	3.81269	13.1009	12.4477	8.9393	0.714	25.9576	8.2024	0.042390
307.	0.	3.81124	13.1006	12.4477	8.9353	0.728	25.9434	8.1925	0.042462
308.	0.	3.80977	13.1003	12.4477	8.9314	0.741	25.9287	8.1825	0.042535
309.	0.	3.80835	13.0999	12.4477	8.9275	0.755	25.9188	8.1726	0.042609
310.	0.	3.80642	13.0995	12.4477	8.9228	0.768	25.9111	8.1728	0.042752
311.	0.	3.80495	13.0992	12.4477	8.9189	0.781	25.8984	8.1628	0.042826
312.	0.	3.80344	13.0988	12.4477	8.9150	0.795	25.8843	8.1529	0.042901
313.	0.	3.80192	13.0985	12.4477	8.9111	0.809	25.8697	8.1430	0.042977
314.	0.	3.80044	13.0981	12.4477	8.9072	0.823	25.8599	8.1331	0.043055
315.	0.	3.79847	13.0977	12.4477	8.9024	0.836	25.8525	8.1332	0.043201
316.	0.	3.79695	13.0973	12.4477	8.8985	0.850	25.8400	8.1233	0.043279
317.	0.	3.79540	13.0970	12.4477	8.8946	0.864	25.8262	8.1134	0.043358
318.	0.	3.79382	13.0966	12.4477	8.8906	0.878	25.8119	8.1034	0.043437
319.	0.	3.79230	13.0963	12.4477	8.8867	0.893	25.8023	8.0935	0.043518
320.	0.	3.79028	13.0959	12.4477	8.8820	0.907	25.7951	8.0937	0.043668
321.	0.	3.78871	13.0955	12.4477	8.8780	0.921	25.7830	8.0837	0.043749
322.	0.	3.78711	13.0951	12.4477	8.8741	0.936	25.7695	8.0738	0.043830
323.	0.	3.78549	13.0948	12.4477	8.8701	0.950	25.7556	8.0639	0.043913
324.	0.	3.78385	13.0944	12.4477	8.8661	0.965	25.7415	8.0540	0.043996
325.	0.	3.78227	13.0941	12.4477	8.8622	0.980	25.7323	8.0441	0.044082
326.	0.	3.78019	13.0936	12.4477	8.8574	0.995	25.7254	8.0442	0.044236
327.	0.	3.77857	13.0933	12.4477	8.8534	1.010	25.7137	8.0343	0.044321

328.	0.	3.77692	13.0929	12.4477	8.8494	1.025	25.7005	8.0244	0.044407
329.	0.	3.77524	13.0925	12.4477	8.8454	1.041	25.6869	8.0145	0.044493
330.	0.	3.77362	13.0922	12.4477	8.8414	1.056	25.6779	8.0046	0.044582
331.	0.	3.77150	13.0917	12.4477	8.8365	1.072	25.6714	8.0047	0.044739
332.	0.	3.76984	13.0913	12.4477	8.8325	1.087	25.6600	7.9948	0.044827
333.	0.	3.76816	13.0910	12.4477	8.8285	1.103	25.6472	7.9849	0.044916
334.	0.	3.76652	13.0906	12.4477	8.8245	1.120	25.6388	7.9750	0.045006
335.	0.	3.76444	13.0902	12.4477	8.8196	1.136	25.6375	7.9752	0.045167
336.	0.	3.76237	13.0897	12.4477	8.8150	1.152	25.6386	7.9753	0.045328
337.	0.	3.76032	13.0893	12.4477	8.8103	1.169	25.6405	7.9755	0.045489
338.	0.	3.75829	13.0889	12.4477	8.8057	1.187	25.6429	7.9756	0.045649
339.	0.	3.75628	13.0884	12.4477	8.8010	1.204	25.6455	7.9758	0.045808
340.	0.	3.75428	13.0880	12.4477	8.7964	1.221	25.6483	7.9760	0.045966
341.	0.	3.75230	13.0876	12.4477	8.7918	1.239	25.6514	7.9761	0.046122
342.	0.	3.75034	13.0872	12.4477	8.7872	1.257	25.6546	7.9763	0.046278
343.	0.	3.74838	13.0867	12.4477	8.7827	1.275	25.6581	7.9764	0.046433
344.	0.	3.74643	13.0863	12.4477	8.7781	1.293	25.6618	7.9766	0.046587
345.	0.	3.74450	13.0859	12.4477	8.7736	1.311	25.6656	7.9767	0.046740
346.	0.	3.74259	13.0855	12.4477	8.7691	1.330	25.6695	7.9769	0.046892
347.	0.	3.74067	13.0851	12.4477	8.7646	1.349	25.6737	7.9770	0.047044
348.	0.	3.73875	13.0847	12.4477	8.7602	1.368	25.6779	7.9772	0.047196
349.	0.	3.73688	13.0843	12.4477	8.7557	1.388	25.6822	7.9773	0.047345
350.	0.	3.73504	13.0838	12.4477	8.7512	1.408	25.6865	7.9775	0.047493
351.	0.	3.73321	13.0834	12.4477	8.7466	1.429	25.6910	7.9776	0.047640
352.	0.	3.73141	13.0830	12.4477	8.7420	1.449	25.6956	7.9778	0.047786
353.	0.	3.72964	13.0826	12.4477	8.7374	1.470	25.7005	7.9779	0.047931
354.	0.	3.72788	13.0822	12.4477	8.7328	1.491	25.7055	7.9781	0.048075
355.	0.	3.72614	13.0819	12.4477	8.7283	1.513	25.7106	7.9782	0.048218
356.	0.	3.72439	13.0815	12.4477	8.7237	1.534	25.7160	7.9784	0.048361
357.	0.	3.72263	13.0811	12.4477	8.7193	1.557	25.7216	7.9785	0.048504
358.	0.	3.72089	13.0807	12.4477	8.7148	1.579	25.7274	7.9786	0.048646
359.	0.	3.71927	13.0803	12.4477	8.7104	1.602	25.7397	7.9788	0.048788
360.	0.	3.71724	13.0799	12.4477	8.7050	1.624	25.7551	7.9890	0.048993
361.	0.	3.71562	13.0795	12.4477	8.7006	1.647	25.7642	7.9891	0.049132
362.	0.	3.71403	13.0791	12.4477	8.6960	1.671	25.7714	7.9893	0.049267
363.	0.	3.71245	13.0787	12.4477	8.6914	1.694	25.7781	7.9894	0.049402
364.	0.	3.71088	13.0784	12.4477	8.6868	1.718	25.7848	7.9895	0.049535
365.	0.	3.70934	13.0780	12.4477	8.6822	1.743	25.7916	7.9897	0.049668
366.	0.	3.70780	13.0776	12.4477	8.6775	1.767	25.7984	7.9898	0.049799
367.	0.	3.70629	13.0773	12.4477	8.6729	1.791	25.8055	7.9899	0.049930
368.	0.	3.70479	13.0769	12.4477	8.6683	1.816	25.8126	7.9901	0.050060
369.	0.	3.70330	13.0765	12.4477	8.6637	1.841	25.8198	7.9902	0.050189
370.	0.	3.70183	13.0762	12.4477	8.6591	1.866	25.8273	7.9903	0.050318
371.	0.	3.70037	13.0758	12.4477	8.6545	1.892	25.8348	7.9904	0.050445
372.	0.	3.69892	13.0755	12.4477	8.6499	1.918	25.8423	7.9906	0.050573
373.	0.	3.69748	13.0751	12.4477	8.6453	1.944	25.8500	7.9907	0.050699
374.	0.	3.69615	13.0748	12.4477	8.6408	1.971	25.8641	7.9908	0.050825
375.	0.	3.69445	13.0744	12.4477	8.6353	1.998	25.8814	8.0010	0.051013
376.	0.	3.69324	13.0740	12.4477	8.6307	2.025	25.8986	8.0011	0.051135
377.	0.	3.69163	13.0736	12.4477	8.6251	2.052	25.9171	8.0113	0.051319
378.	0.	3.69047	13.0733	12.4477	8.6206	2.080	25.9349	8.0114	0.051439
379.	0.	3.68889	13.0729	12.4477	8.6151	2.108	25.9539	8.0216	0.051621
380.	0.	3.68766	13.0726	12.4477	8.6106	2.136	25.9657	8.0217	0.051738
381.	0.	3.68652	13.0722	12.4477	8.6061	2.164	25.9818	8.0219	0.051855
382.	0.	3.68498	13.0719	12.4477	8.6006	2.192	26.0002	8.0320	0.052032
383.	0.	3.68389	13.0715	12.4477	8.5962	2.221	26.0180	8.0321	0.052147
384.	0.	3.68239	13.0712	12.4477	8.5908	2.250	26.0370	8.0423	0.052322
385.	0.	3.68131	13.0708	12.4477	8.5865	2.278	26.0547	8.0424	0.052434
386.	0.	3.67980	13.0705	12.4477	8.5813	2.305	26.0731	8.0526	0.052607
387.	0.	3.67872	13.0702	12.4477	8.5772	2.332	26.0905	8.0527	0.052717
388.	0.	3.67725	13.0698	12.4477	8.5720	2.359	26.1089	8.0629	0.052887
389.	0.	3.67603	13.0695	12.4477	8.5678	2.385	26.1153	8.0630	0.052994
390.	0.	3.67480	13.0693	12.4477	8.5647	2.409	26.0979	8.0530	0.053038
391.	0.	3.67431	13.0692	12.4477	8.5645	2.428	26.0501	8.0129	0.052900
392.	0.	3.67411	13.0692	12.4477	8.5653	2.448	25.9924	7.9627	0.052696
393.	0.	3.67333	13.0691	12.4477	8.5650	2.468	25.9324	7.9226	0.052560
394.	0.	3.67287	13.0691	12.4477	8.5657	2.489	25.8698	7.8724	0.052363

395.	0.	3.67190	13.0690	12.4477	8.5654	2.509	25.8121	7.8322	0.052237
396.	0.	3.67079	13.0688	12.4477	8.5651	2.529	25.7506	7.7921	0.052114
397.	0.	3.67001	13.0688	12.4477	8.5658	2.549	25.6866	7.7419	0.051930
398.	0.	3.66863	13.0686	12.4477	8.5654	2.569	25.6233	7.7018	0.051819
399.	0.	3.66760	13.0685	12.4477	8.5661	2.589	25.5584	7.6516	0.051646
400.	0.	3.66595	13.0684	12.4477	8.5656	2.608	25.4943	7.6115	0.051549
401.	0.	3.66460	13.0683	12.4477	8.5664	2.627	25.4282	7.5614	0.051390
402.	0.	3.66265	13.0681	12.4477	8.5661	2.646	25.3674	7.5213	0.051312
403.	0.	3.66053	13.0679	12.4477	8.5659	2.664	25.3035	7.4812	0.051240
404.	0.	3.65874	13.0678	12.4477	8.5666	2.683	25.2369	7.4311	0.051103
405.	0.	3.65629	13.0676	12.4477	8.5662	2.701	25.1707	7.3910	0.051049
406.	0.	3.65417	13.0674	12.4477	8.5669	2.720	25.1023	7.3409	0.050929
407.	0.	3.65178	13.0672	12.4477	8.5666	2.740	25.0609	7.3009	0.050898
408.	0.	3.64752	13.0667	12.4477	8.5607	2.766	25.0671	7.3113	0.051255
409.	0.	3.64324	13.0662	12.4477	8.5539	2.793	25.1012	7.3317	0.051685
410.	0.	3.63882	13.0656	12.4477	8.5459	2.822	25.1465	7.3622	0.052175
411.	0.	3.63503	13.0651	12.4477	8.5393	2.850	25.1941	7.3826	0.052582
412.	0.	3.63100	13.0645	12.4477	8.5315	2.879	25.2447	7.4130	0.053046
413.	0.	3.62756	13.0640	12.4477	8.5250	2.907	25.2950	7.4334	0.053428
414.	0.	3.62386	13.0634	12.4477	8.5174	2.936	25.3471	7.4639	0.053866
415.	0.	3.62071	13.0630	12.4477	8.5111	2.964	25.3985	7.4842	0.054225
416.	0.	3.61731	13.0624	12.4477	8.5036	2.992	25.4515	7.5146	0.054640
417.	0.	3.61442	13.0620	12.4477	8.4974	3.020	25.5035	7.5350	0.054978
418.	0.	3.61128	13.0615	12.4477	8.4902	3.048	25.5570	7.5654	0.055371
419.	0.	3.60864	13.0611	12.4477	8.4842	3.075	25.6094	7.5857	0.055690
420.	0.	3.60574	13.0606	12.4477	8.4771	3.103	25.6631	7.6161	0.056063
421.	0.	3.60333	13.0602	12.4477	8.4712	3.129	25.7156	7.6364	0.056364
422.	0.	3.60067	13.0597	12.4477	8.4642	3.156	25.7693	7.6667	0.056718
423.	0.	3.59847	13.0593	12.4477	8.4586	3.182	25.8216	7.6870	0.057002
424.	0.	3.59603	13.0589	12.4477	8.4517	3.209	25.8750	7.7173	0.057339
425.	0.	3.59403	13.0585	12.4477	8.4462	3.235	25.9271	7.7376	0.057607
426.	0.	3.59178	13.0581	12.4477	8.4395	3.261	25.9801	7.7679	0.057928
427.	0.	3.58997	13.0577	12.4477	8.4340	3.286	26.0317	7.7882	0.058182
428.	0.	3.58791	13.0573	12.4477	8.4274	3.312	26.0842	7.8185	0.058487
429.	0.	3.58626	13.0570	12.4477	8.4221	3.337	26.1353	7.8387	0.058728
430.	0.	3.58436	13.0566	12.4477	8.4157	3.362	26.1872	7.8690	0.059020
431.	0.	3.58287	13.0562	12.4477	8.4105	3.387	26.2379	7.8892	0.059249
432.	0.	3.58114	13.0559	12.4477	8.4041	3.412	26.2897	7.9195	0.059528
433.	0.	3.57949	13.0556	12.4477	8.3988	3.434	26.3208	7.9397	0.059745
434.	0.	3.57824	13.0554	12.4477	8.3958	3.453	26.3327	7.9398	0.059847
435.	0.	3.57683	13.0552	12.4477	8.3927	3.470	26.3341	7.9399	0.059948
436.	0.	3.57567	13.0550	12.4477	8.3908	3.485	26.3306	7.9300	0.059994
437.	0.	3.57424	13.0548	12.4477	8.3878	3.502	26.3320	7.9301	0.060095
438.	0.	3.57275	13.0546	12.4477	8.3847	3.518	26.3289	7.9302	0.060196
439.	0.	3.57164	13.0545	12.4477	8.3829	3.534	26.3289	7.9202	0.060242
440.	0.	3.57001	13.0543	12.4477	8.3789	3.553	26.3387	7.9304	0.060398
441.	0.	3.56864	13.0541	12.4477	8.3759	3.569	26.3426	7.9305	0.060497
442.	0.	3.56728	13.0539	12.4477	8.3730	3.586	26.3459	7.9306	0.060596
443.	0.	3.56548	13.0537	12.4477	8.3700	3.599	26.3215	7.9307	0.060693
444.	0.	3.56483	13.0538	12.4477	8.3723	3.602	26.2545	7.8805	0.060505
445.	0.	3.56390	13.0539	12.4477	8.3746	3.603	26.1754	7.8303	0.060319
446.	0.	3.56281	13.0540	12.4477	8.3769	3.603	26.0920	7.7801	0.060135
447.	0.	3.56160	13.0541	12.4477	8.3792	3.604	26.0069	7.7300	0.059955
448.	0.	3.56040	13.0542	12.4477	8.3815	3.605	25.9209	7.6798	0.059772
449.	0.	3.55915	13.0542	12.4477	8.3836	3.607	25.8342	7.6296	0.059590
450.	0.	3.55777	13.0543	12.4477	8.3859	3.610	25.7472	7.5794	0.059412
451.	0.	3.55619	13.0544	12.4477	8.3881	3.611	25.6556	7.5292	0.059240
452.	0.	3.55489	13.0545	12.4477	8.3914	3.611	25.5613	7.4690	0.059006
453.	0.	3.55320	13.0545	12.4477	8.3935	3.614	25.4722	7.4188	0.058839
454.	0.	3.55144	13.0545	12.4477	8.3956	3.617	25.3842	7.3687	0.058675
455.	0.	3.54955	13.0546	12.4477	8.3976	3.622	25.2970	7.3185	0.058519
456.	0.	3.54751	13.0546	12.4477	8.3996	3.626	25.2089	7.2684	0.058370
457.	0.	3.54531	13.0546	12.4477	8.4016	3.631	25.1202	7.2182	0.058229
458.	0.	3.54298	13.0546	12.4477	8.4034	3.636	25.0310	7.1681	0.058094
459.	0.	3.54058	13.0546	12.4477	8.4052	3.643	24.9406	7.1180	0.057963
460.	0.	3.53807	13.0547	12.4477	8.4069	3.650	24.8489	7.0678	0.057836
461.	0.	3.53537	13.0547	12.4477	8.4085	3.657	24.7562	7.0177	0.057720

462.	0.	3.53248	13.0547	12.4477	8.4100	3.664	24.6626	6.9676	0.057614
463.	0.	3.52939	13.0547	12.4477	8.4115	3.671	24.5680	6.9175	0.057520
464.	0.	3.52611	13.0548	12.4477	8.4129	3.678	24.4728	6.8674	0.057439
465.	0.	3.52266	13.0548	12.4477	8.4141	3.685	24.3765	6.8174	0.057368
466.	0.	3.51900	13.0548	12.4477	8.4153	3.692	24.2796	6.7673	0.057310
467.	0.	3.51512	13.0549	12.4477	8.4163	3.699	24.1819	6.7173	0.057267
468.	0.	3.51100	13.0549	12.4477	8.4173	3.707	24.0836	6.6672	0.057240
469.	0.	3.50664	13.0550	12.4477	8.4182	3.714	23.9844	6.6172	0.057229
470.	0.	3.50204	13.0551	12.4477	8.4189	3.721	23.8844	6.5672	0.057235
471.	0.	3.49714	13.0552	12.4477	8.4195	3.728	23.7785	6.5173	0.057256
472.	0.	3.49260	13.0553	12.4477	8.4213	3.736	23.6728	6.4572	0.057205
473.	0.	3.48674	13.0554	12.4477	8.4203	3.746	23.5816	6.4174	0.057366
474.	0.	3.48078	13.0554	12.4477	8.4193	3.757	23.4986	6.3775	0.057545
475.	0.	3.47408	13.0555	12.4477	8.4169	3.770	23.4206	6.3478	0.057837
476.	0.	3.46779	13.0555	12.4477	8.4156	3.782	23.3360	6.3080	0.058043
477.	0.	3.46128	13.0556	12.4477	8.4143	3.793	23.2498	6.2683	0.058264
478.	0.	3.45464	13.0558	12.4477	8.4128	3.806	23.1679	6.2285	0.058503
479.	0.	3.44724	13.0558	12.4477	8.4099	3.819	23.0899	6.1989	0.058857
480.	0.	3.44027	13.0560	12.4477	8.4081	3.831	23.0055	6.1591	0.059123
481.	0.	3.43313	13.0561	12.4477	8.4062	3.843	22.9194	6.1194	0.059402
482.	0.	3.42583	13.0563	12.4477	8.4042	3.857	22.8376	6.0797	0.059701
483.	0.	3.41768	13.0564	12.4477	8.4007	3.871	22.7597	6.0501	0.060124
484.	0.	3.41000	13.0566	12.4477	8.3985	3.884	22.6750	6.0105	0.060453
485.	0.	3.40208	13.0569	12.4477	8.3962	3.897	22.5889	5.9708	0.060801
486.	0.	3.39399	13.0571	12.4477	8.3937	3.912	22.5073	5.9312	0.061171
487.	0.	3.38503	13.0573	12.4477	8.3898	3.926	22.4296	5.9017	0.061670
488.	0.	3.37655	13.0576	12.4477	8.3872	3.941	22.3452	5.8621	0.062071
489.	0.	3.36783	13.0578	12.4477	8.3844	3.954	22.2590	5.8225	0.062493
490.	0.	3.35892	13.0582	12.4477	8.3816	3.969	22.1771	5.7829	0.062937
491.	0.	3.34914	13.0584	12.4477	8.3772	3.985	22.0993	5.7535	0.063515
492.	0.	3.33983	13.0588	12.4477	8.3742	3.999	22.0145	5.7140	0.063992
493.	0.	3.33028	13.0591	12.4477	8.3711	4.014	21.9282	5.6745	0.064492
494.	0.	3.32052	13.0595	12.4477	8.3679	4.029	21.8462	5.6350	0.065015
495.	0.	3.31008	13.0598	12.4477	8.3632	4.048	21.7882	5.6057	0.065683
496.	0.	3.29800	13.0600	12.4477	8.3534	4.075	21.7561	5.6067	0.066697
497.	0.	3.28683	13.0602	12.4477	8.3450	4.103	21.7294	5.5976	0.067585
498.	0.	3.27526	13.0604	12.4477	8.3350	4.133	21.7084	5.5986	0.068567
499.	0.	3.26463	13.0606	12.4477	8.3263	4.161	21.6872	5.5894	0.069416
500.	0.	3.25358	13.0607	12.4477	8.3159	4.191	21.6698	5.5904	0.070358
501.	0.	3.24334	13.0609	12.4477	8.3072	4.220	21.6513	5.5812	0.071172
502.	0.	3.23266	13.0611	12.4477	8.2972	4.250	21.6419	5.5821	0.072083
503.	0.	3.22214	13.0612	12.4477	8.2873	4.280	21.6300	5.5830	0.072973
504.	0.	3.21225	13.0615	12.4477	8.2794	4.308	21.6105	5.5737	0.073740
505.	0.	3.20243	13.0617	12.4477	8.2716	4.336	21.5895	5.5645	0.074498
506.	0.	3.19277	13.0619	12.4477	8.2638	4.364	21.5732	5.5552	0.075246
507.	0.	3.18264	13.0620	12.4477	8.2546	4.392	21.5611	5.5561	0.076088
508.	0.	3.17315	13.0622	12.4477	8.2473	4.418	21.5425	5.5468	0.076812
509.	0.	3.16370	13.0624	12.4477	8.2402	4.443	21.5226	5.5375	0.077527
510.	0.	3.15432	13.0626	12.4477	8.2332	4.467	21.5024	5.5282	0.078234
511.	0.	3.14500	13.0628	12.4477	8.2263	4.492	21.4824	5.5189	0.078935
512.	0.	3.13576	13.0630	12.4477	8.2195	4.516	21.4624	5.5096	0.079627
513.	0.	3.12657	13.0632	12.4477	8.2128	4.540	21.4427	5.5003	0.080313
514.	0.	3.11745	13.0634	12.4477	8.2063	4.563	21.4232	5.4910	0.080992
515.	0.	3.10837	13.0636	12.4477	8.1999	4.587	21.4039	5.4817	0.081665
516.	0.	3.09940	13.0638	12.4477	8.1937	4.612	21.3895	5.4723	0.082333
517.	0.	3.08997	13.0639	12.4477	8.1860	4.638	21.3794	5.4731	0.083093
518.	0.	3.08118	13.0641	12.4477	8.1800	4.661	21.3627	5.4637	0.083739
519.	0.	3.07244	13.0643	12.4477	8.1742	4.685	21.3445	5.4544	0.084377
520.	0.	3.06376	13.0645	12.4477	8.1685	4.708	21.3261	5.4450	0.085009
521.	0.	3.05514	13.0647	12.4477	8.1628	4.731	21.3076	5.4356	0.085635
522.	0.	3.04656	13.0649	12.4477	8.1573	4.754	21.2891	5.4263	0.086255
523.	0.	3.03803	13.0651	12.4477	8.1519	4.776	21.2706	5.4169	0.086870
524.	0.	3.02957	13.0653	12.4477	8.1465	4.798	21.2522	5.4075	0.087479
525.	0.	3.02115	13.0654	12.4477	8.1413	4.819	21.2340	5.3981	0.088083
526.	0.	3.01285	13.0656	12.4477	8.1361	4.842	21.2207	5.3887	0.088683
527.	0.	3.00400	13.0657	12.4477	8.1292	4.864	21.2020	5.3894	0.089370
528.	0.	2.99679	13.0660	12.4477	8.1274	4.879	21.1614	5.3598	0.089752

529.	0.	2.98890	13.0663	12.4477	8.1237	4.893	21.1181	5.3402	0.090239
530.	0.	2.98148	13.0666	12.4477	8.1218	4.905	21.0701	5.3106	0.090633
531.	0.	2.97339	13.0668	12.4477	8.1180	4.919	21.0241	5.2911	0.091137
532.	0.	2.96580	13.0672	12.4477	8.1160	4.931	20.9747	5.2615	0.091545
533.	0.	2.95751	13.0674	12.4477	8.1122	4.944	20.9280	5.2421	0.092067
534.	0.	2.94967	13.0678	12.4477	8.1102	4.955	20.8728	5.2125	0.092492
535.	0.	2.94171	13.0681	12.4477	8.1081	4.966	20.8203	5.1829	0.092930
536.	0.	2.93303	13.0684	12.4477	8.1043	4.978	20.7716	5.1635	0.093485
537.	0.	2.92485	13.0687	12.4477	8.1023	4.989	20.7197	5.1339	0.093943
538.	0.	2.91597	13.0690	12.4477	8.0985	5.001	20.6708	5.1145	0.094517
539.	0.	2.90760	13.0694	12.4477	8.0965	5.012	20.6186	5.0850	0.094993
540.	0.	2.89853	13.0697	12.4477	8.0926	5.024	20.5693	5.0656	0.095585
541.	0.	2.88994	13.0701	12.4477	8.0905	5.033	20.5116	5.0361	0.096075
542.	0.	2.88126	13.0704	12.4477	8.0883	5.043	20.4570	5.0066	0.096579
543.	0.	2.87188	13.0708	12.4477	8.0841	5.055	20.4070	4.9872	0.097202
544.	0.	2.86303	13.0711	12.4477	8.0819	5.066	20.3543	4.9577	0.097725
545.	0.	2.85347	13.0715	12.4477	8.0777	5.078	20.3047	4.9384	0.098367
546.	0.	2.84444	13.0719	12.4477	8.0754	5.088	20.2521	4.9089	0.098906
547.	0.	2.83468	13.0722	12.4477	8.0713	5.100	20.2027	4.8896	0.099567
548.	0.	2.82542	13.0726	12.4477	8.0690	5.109	20.1450	4.8601	0.100122
549.	0.	2.81604	13.0730	12.4477	8.0667	5.119	20.0907	4.8307	0.100693
550.	0.	2.80592	13.0734	12.4477	8.0626	5.130	20.0408	4.8114	0.101387
551.	0.	2.79629	13.0738	12.4477	8.0605	5.138	19.9831	4.7820	0.101977
552.	0.	2.78654	13.0742	12.4477	8.0583	5.147	19.9287	4.7526	0.102580
553.	0.	2.77605	13.0745	12.4477	8.0543	5.157	19.8785	4.7333	0.103309
554.	0.	2.76607	13.0750	12.4477	8.0522	5.164	19.8203	4.7039	0.103930
555.	0.	2.75595	13.0754	12.4477	8.0501	5.171	19.7599	4.6746	0.104563
556.	0.	2.74573	13.0758	12.4477	8.0480	5.179	19.7041	4.6452	0.105212
557.	0.	2.73477	13.0762	12.4477	8.0439	5.189	19.6530	4.6260	0.105986
558.	0.	2.72440	13.0766	12.4477	8.0420	5.199	19.6043	4.5967	0.106655
559.	0.	2.71290	13.0769	12.4477	8.0358	5.215	19.5690	4.5876	0.107553
560.	0.	2.70204	13.0773	12.4477	8.0318	5.229	19.5337	4.5683	0.108336
561.	0.	2.69072	13.0776	12.4477	8.0258	5.247	19.5081	4.5592	0.109224
562.	0.	2.67956	13.0779	12.4477	8.0199	5.266	19.4852	4.5501	0.110099
563.	0.	2.66850	13.0782	12.4477	8.0141	5.284	19.4585	4.5410	0.110959
564.	0.	2.65810	13.0786	12.4477	8.0105	5.298	19.4275	4.5217	0.111701
565.	0.	2.64727	13.0789	12.4477	8.0048	5.316	19.4046	4.5125	0.112544
566.	0.	2.63658	13.0792	12.4477	7.9991	5.335	19.3839	4.5034	0.113375
567.	0.	2.62597	13.0795	12.4477	7.9936	5.351	19.3589	4.4942	0.114193
568.	0.	2.61597	13.0798	12.4477	7.9903	5.366	19.3294	4.4749	0.114897
569.	0.	2.60552	13.0801	12.4477	7.9850	5.383	19.3078	4.4657	0.115703
570.	0.	2.59521	13.0804	12.4477	7.9797	5.401	19.2882	4.4565	0.116497
571.	0.	2.58497	13.0807	12.4477	7.9746	5.417	19.2641	4.4473	0.117278
572.	0.	2.57530	13.0811	12.4477	7.9718	5.431	19.2355	4.4279	0.117949
573.	0.	2.56517	13.0814	12.4477	7.9669	5.447	19.2146	4.4187	0.118722
574.	0.	2.55518	13.0817	12.4477	7.9621	5.464	19.1956	4.4095	0.119483
575.	0.	2.54525	13.0819	12.4477	7.9575	5.479	19.1721	4.4002	0.120234
576.	0.	2.53590	13.0823	12.4477	7.9551	5.491	19.1439	4.3809	0.120874
577.	0.	2.52608	13.0826	12.4477	7.9506	5.507	19.1235	4.3716	0.121616
578.	0.	2.51638	13.0829	12.4477	7.9462	5.523	19.1048	4.3623	0.122348
579.	0.	2.50671	13.0832	12.4477	7.9421	5.536	19.0811	4.3531	0.123071
580.	0.	2.49761	13.0836	12.4477	7.9403	5.546	19.0527	4.3337	0.123686
581.	0.	2.48799	13.0839	12.4477	7.9362	5.558	19.0268	4.3244	0.124402
582.	0.	2.47899	13.0842	12.4477	7.9345	5.568	18.9973	4.3050	0.125009
583.	0.	2.46946	13.0845	12.4477	7.9305	5.580	18.9708	4.2957	0.125718
584.	0.	2.46051	13.0849	12.4477	7.9289	5.590	18.9411	4.2763	0.126319
585.	0.	2.45108	13.0852	12.4477	7.9251	5.603	18.9199	4.2670	0.127023
586.	0.	2.44170	13.0855	12.4477	7.9213	5.615	18.8954	4.2577	0.127719
587.	0.	2.43296	13.0859	12.4477	7.9198	5.624	18.8658	4.2383	0.128304
588.	0.	2.42369	13.0862	12.4477	7.9159	5.635	18.8389	4.2290	0.128992
589.	0.	2.41500	13.0866	12.4477	7.9145	5.644	18.8086	4.2096	0.129572
590.	0.	2.40582	13.0870	12.4477	7.9108	5.656	18.7868	4.2003	0.130255
591.	0.	2.39670	13.0873	12.4477	7.9071	5.667	18.7616	4.1909	0.130930
592.	0.	2.38815	13.0877	12.4477	7.9060	5.675	18.7317	4.1715	0.131499
593.	0.	2.37916	13.0881	12.4477	7.9024	5.689	18.7156	4.1622	0.132170
594.	0.	2.36993	13.0884	12.4477	7.8965	5.710	18.7206	4.1629	0.132931
595.	0.	2.36050	13.0887	12.4477	7.8883	5.735	18.7353	4.1738	0.133765

596.	0.	2.35190	13.0890	12.4477	7.8826	5.759	18.7495	4.1745	0.134473
597.	0.	2.34301	13.0893	12.4477	7.8748	5.783	18.7670	4.1853	0.135254
598.	0.	2.33482	13.0896	12.4477	7.8696	5.802	18.7738	4.1859	0.135913
599.	0.	2.32690	13.0899	12.4477	7.8645	5.823	18.7864	4.1866	0.136552
600.	0.	2.31875	13.0902	12.4477	7.8570	5.846	18.8044	4.1973	0.137262
601.	0.	2.31136	13.0906	12.4477	7.8519	5.868	18.8201	4.1979	0.137856
602.	0.	2.30374	13.0909	12.4477	7.8444	5.891	18.8395	4.2085	0.138520
603.	0.	2.29674	13.0912	12.4477	7.8395	5.909	18.8480	4.2091	0.139072
604.	0.	2.28997	13.0916	12.4477	7.8346	5.929	18.8621	4.2096	0.139609
605.	0.	2.28294	13.0919	12.4477	7.8274	5.951	18.8815	4.2202	0.140217
606.	0.	2.27659	13.0923	12.4477	7.8226	5.972	18.8986	4.2207	0.140718
607.	0.	2.26998	13.0926	12.4477	7.8155	5.994	18.9194	4.2313	0.141290
608.	0.	2.26394	13.0930	12.4477	7.8109	6.011	18.9290	4.2318	0.141758
609.	0.	2.25808	13.0934	12.4477	7.8063	6.030	18.9443	4.2322	0.142214
610.	0.	2.25196	13.0937	12.4477	7.7993	6.051	18.9648	4.2427	0.142742
611.	0.	2.24646	13.0941	12.4477	7.7948	6.071	18.9829	4.2432	0.143170
612.	0.	2.24069	13.0944	12.4477	7.7879	6.092	19.0047	4.2537	0.143668
613.	0.	2.23551	13.0947	12.4477	7.7835	6.111	19.0235	4.2541	0.144069
614.	0.	2.23004	13.0951	12.4477	7.7767	6.132	19.0457	4.2645	0.144540
615.	0.	2.22508	13.0954	12.4477	7.7725	6.148	19.0567	4.2649	0.144916
616.	0.	2.22028	13.0958	12.4477	7.7682	6.166	19.0732	4.2653	0.145284
617.	0.	2.21519	13.0961	12.4477	7.7615	6.186	19.0948	4.2757	0.145722
618.	0.	2.21066	13.0965	12.4477	7.7573	6.204	19.1140	4.2761	0.146069
619.	0.	2.20583	13.0968	12.4477	7.7508	6.224	19.1368	4.2865	0.146484
620.	0.	2.20148	13.0972	12.4477	7.7467	6.239	19.1482	4.2868	0.146811
621.	0.	2.19725	13.0975	12.4477	7.7427	6.256	19.1652	4.2871	0.147130
622.	0.	2.19274	13.0979	12.4477	7.7362	6.275	19.1873	4.2975	0.147519
623.	0.	2.18876	13.0982	12.4477	7.7323	6.292	19.2069	4.2978	0.147821
624.	0.	2.18447	13.0985	12.4477	7.7259	6.311	19.2300	4.3082	0.148191
625.	0.	2.18069	13.0989	12.4477	7.7220	6.329	19.2496	4.3085	0.148476
626.	0.	2.17662	13.0992	12.4477	7.7158	6.348	19.2728	4.3188	0.148829
627.	0.	2.17302	13.0995	12.4477	7.7117	6.362	19.2841	4.3191	0.149096
628.	0.	2.16949	13.0999	12.4477	7.7076	6.376	19.2923	4.3194	0.149359
629.	0.	2.16601	13.1002	12.4477	7.7035	6.389	19.2995	4.3196	0.149616
630.	0.	2.16259	13.1006	12.4477	7.6993	6.402	19.3065	4.3199	0.149869
631.	0.	2.15922	13.1009	12.4477	7.6952	6.415	19.3135	4.3201	0.150118
632.	0.	2.15591	13.1013	12.4477	7.6910	6.427	19.3205	4.3204	0.150364
633.	0.	2.15264	13.1016	12.4477	7.6869	6.440	19.3275	4.3206	0.150605
634.	0.	2.14942	13.1020	12.4477	7.6828	6.452	19.3345	4.3208	0.150843
635.	0.	2.14625	13.1023	12.4477	7.6787	6.464	19.3416	4.3211	0.151077
636.	0.	2.14312	13.1027	12.4477	7.6746	6.476	19.3487	4.3213	0.151307
637.	0.	2.14003	13.1030	12.4477	7.6706	6.489	19.3559	4.3215	0.151534
638.	0.	2.13699	13.1034	12.4477	7.6665	6.501	19.3631	4.3218	0.151758
639.	0.	2.13399	13.1038	12.4477	7.6625	6.512	19.3703	4.3220	0.151979
640.	0.	2.13104	13.1041	12.4477	7.6585	6.524	19.3776	4.3222	0.152196
641.	0.	2.12813	13.1045	12.4477	7.6545	6.536	19.3849	4.3224	0.152410
642.	0.	2.12526	13.1048	12.4477	7.6505	6.548	19.3923	4.3226	0.152621
643.	0.	2.12243	13.1052	12.4477	7.6465	6.560	19.3996	4.3228	0.152829
644.	0.	2.11964	13.1055	12.4477	7.6425	6.572	19.4069	4.3230	0.153034
645.	0.	2.11687	13.1058	12.4477	7.6386	6.583	19.4141	4.3232	0.153236
646.	0.	2.11414	13.1062	12.4477	7.6347	6.595	19.4214	4.3234	0.153436
647.	0.	2.11145	13.1065	12.4477	7.6309	6.606	19.4288	4.3236	0.153633
648.	0.	2.10880	13.1069	12.4477	7.6270	6.617	19.4361	4.3238	0.153827
649.	0.	2.10618	13.1072	12.4477	7.6231	6.628	19.4435	4.3240	0.154019
650.	0.	2.10359	13.1076	12.4477	7.6193	6.639	19.4508	4.3242	0.154208
651.	0.	2.10104	13.1079	12.4477	7.6155	6.651	19.4583	4.3244	0.154395
652.	0.	2.09851	13.1083	12.4477	7.6116	6.662	19.4658	4.3246	0.154579
653.	0.	2.09602	13.1086	12.4477	7.6078	6.673	19.4730	4.3248	0.154761
654.	0.	2.09357	13.1090	12.4477	7.6040	6.684	19.4805	4.3249	0.154940
655.	0.	2.09114	13.1093	12.4477	7.6002	6.694	19.4880	4.3251	0.155117
656.	0.	2.08875	13.1096	12.4477	7.5964	6.705	19.4958	4.3253	0.155293
657.	0.	2.08646	13.1100	12.4477	7.5926	6.719	19.5118	4.3255	0.155466
658.	0.	2.08391	13.1103	12.4477	7.5862	6.736	19.5347	4.3357	0.155702
659.	0.	2.08170	13.1106	12.4477	7.5823	6.748	19.5464	4.3359	0.155866
660.	0.	2.07957	13.1109	12.4477	7.5784	6.762	19.5639	4.3360	0.156029
661.	0.	2.07718	13.1112	12.4477	7.5720	6.778	19.5875	4.3463	0.156253
662.	0.	2.07510	13.1115	12.4477	7.5682	6.790	19.5997	4.3464	0.156408

663.	0.	2.07303	13.1119	12.4477	7.5644	6.801	19.6094	4.3466	0.156562
664.	0.	2.07104	13.1122	12.4477	7.5606	6.815	19.6263	4.3467	0.156713
665.	0.	2.06880	13.1124	12.4477	7.5543	6.831	19.6499	4.3569	0.156926
666.	0.	2.06687	13.1128	12.4477	7.5505	6.843	19.6621	4.3571	0.157070
667.	0.	2.06502	13.1131	12.4477	7.5467	6.857	19.6800	4.3572	0.157213
668.	0.	2.06291	13.1133	12.4477	7.5404	6.874	19.7044	4.3674	0.157416
669.	0.	2.06111	13.1136	12.4477	7.5366	6.885	19.7173	4.3676	0.157552
670.	0.	2.05929	13.1139	12.4477	7.5329	6.896	19.7277	4.3677	0.157688
671.	0.	2.05757	13.1142	12.4477	7.5291	6.910	19.7454	4.3678	0.157821
672.	0.	2.05559	13.1145	12.4477	7.5228	6.926	19.7698	4.3780	0.158015
673.	0.	2.05391	13.1148	12.4477	7.5191	6.938	19.7828	4.3781	0.158142
674.	0.	2.05222	13.1151	12.4477	7.5154	6.948	19.7932	4.3783	0.158268
675.	0.	2.05061	13.1154	12.4477	7.5117	6.962	19.8108	4.3784	0.158393
676.	0.	2.04874	13.1156	12.4477	7.5055	6.978	19.8351	4.3886	0.158578
677.	0.	2.04714	13.1159	12.4477	7.5020	6.989	19.8480	4.3887	0.158698
678.	0.	2.04561	13.1162	12.4477	7.4985	7.002	19.8666	4.3888	0.158817
679.	0.	2.04382	13.1164	12.4477	7.4924	7.017	19.8911	4.3990	0.158994
680.	0.	2.04231	13.1167	12.4477	7.4890	7.028	19.9040	4.3991	0.159108
681.	0.	2.04079	13.1170	12.4477	7.4856	7.038	19.9145	4.3992	0.159220
682.	0.	2.03935	13.1173	12.4477	7.4821	7.050	19.9325	4.3993	0.159332
683.	0.	2.03767	13.1175	12.4477	7.4761	7.066	19.9570	4.4095	0.159501
684.	0.	2.03626	13.1177	12.4477	7.4727	7.076	19.9702	4.4096	0.159608
685.	0.	2.03492	13.1180	12.4477	7.4692	7.089	19.9891	4.4097	0.159714
686.	0.	2.03333	13.1182	12.4477	7.4633	7.105	20.0140	4.4199	0.159877
687.	0.	2.03200	13.1185	12.4477	7.4599	7.115	20.0273	4.4200	0.159978
688.	0.	2.03073	13.1188	12.4477	7.4566	7.128	20.0465	4.4201	0.160078
689.	0.	2.02921	13.1190	12.4477	7.4507	7.143	20.0716	4.4302	0.160235
690.	0.	2.02795	13.1192	12.4477	7.4474	7.153	20.0851	4.4303	0.160332
691.	0.	2.02675	13.1195	12.4477	7.4441	7.166	20.1044	4.4304	0.160427
692.	0.	2.02531	13.1197	12.4477	7.4382	7.181	20.1296	4.4406	0.160578
693.	0.	2.02419	13.1199	12.4477	7.4349	7.195	20.1514	4.4407	0.160669
694.	0.	2.02283	13.1201	12.4477	7.4291	7.210	20.1774	4.4508	0.160816
695.	0.	2.02169	13.1203	12.4477	7.4259	7.220	20.1913	4.4509	0.160903
696.	0.	2.02060	13.1206	12.4477	7.4227	7.233	20.2108	4.4510	0.160991
697.	0.	2.01928	13.1208	12.4477	7.4171	7.247	20.2362	4.4611	0.161133
698.	0.	2.01826	13.1210	12.4477	7.4139	7.260	20.2583	4.4612	0.161216
699.	0.	2.01700	13.1212	12.4477	7.4083	7.275	20.2845	4.4714	0.161354
700.	0.	2.01594	13.1214	12.4477	7.4053	7.284	20.2985	4.4714	0.161434
701.	0.	2.01495	13.1216	12.4477	7.4023	7.295	20.3179	4.4715	0.161514
702.	0.	2.01373	13.1218	12.4477	7.3968	7.309	20.3432	4.4816	0.161648
703.	0.	2.01281	13.1220	12.4477	7.3938	7.321	20.3651	4.4817	0.161724
704.	0.	2.01164	13.1222	12.4477	7.3883	7.335	20.3912	4.4919	0.161854
705.	0.	2.01069	13.1224	12.4477	7.3854	7.343	20.4050	4.4919	0.161928
706.	0.	2.00978	13.1226	12.4477	7.3825	7.354	20.4244	4.4920	0.162001
707.	0.	2.00867	13.1228	12.4477	7.3771	7.367	20.4496	4.5021	0.162127
708.	0.	2.00784	13.1230	12.4477	7.3742	7.379	20.4713	4.5022	0.162196
709.	0.	2.00678	13.1232	12.4477	7.3688	7.393	20.4973	4.5123	0.162318
710.	0.	2.00592	13.1234	12.4477	7.3660	7.401	20.5111	4.5124	0.162385
711.	0.	2.00512	13.1236	12.4477	7.3632	7.412	20.5304	4.5125	0.162452
712.	0.	2.00410	13.1237	12.4477	7.3578	7.425	20.5556	4.5226	0.162571
713.	0.	2.00337	13.1239	12.4477	7.3549	7.436	20.5774	4.5226	0.162634
714.	0.	2.00242	13.1241	12.4477	7.3496	7.450	20.6033	4.5327	0.162749
715.	0.	2.00173	13.1242	12.4477	7.3467	7.462	20.6251	4.5328	0.162810
716.	0.	2.00082	13.1244	12.4477	7.3414	7.475	20.6509	4.5429	0.162922
717.	0.	2.00008	13.1246	12.4477	7.3386	7.483	20.6643	4.5430	0.162981
718.	0.	1.99941	13.1248	12.4477	7.3359	7.493	20.6832	4.5430	0.163039
719.	0.	1.99852	13.1249	12.4477	7.3306	7.506	20.7078	4.5531	0.163148
720.	0.	1.99783	13.1251	12.4477	7.3279	7.513	20.7207	4.5532	0.163204
721.	0.	1.99711	13.1253	12.4477	7.3253	7.520	20.7312	4.5533	0.163260
722.	0.	1.99638	13.1255	12.4477	7.3227	7.526	20.7407	4.5533	0.163316
723.	0.	1.99565	13.1257	12.4477	7.3201	7.532	20.7497	4.5534	0.163371
724.	0.	1.99492	13.1258	12.4477	7.3175	7.538	20.7588	4.5534	0.163426
725.	0.	1.99420	13.1260	12.4477	7.3150	7.544	20.7678	4.5535	0.163481
726.	0.	1.99348	13.1262	12.4477	7.3124	7.550	20.7767	4.5535	0.163536
727.	0.	1.99284	13.1264	12.4477	7.3098	7.559	20.7940	4.5536	0.163590
728.	0.	1.99202	13.1265	12.4477	7.3046	7.571	20.8180	4.5637	0.163694
729.	0.	1.99138	13.1267	12.4477	7.3020	7.578	20.8307	4.5637	0.163746

730.	0.	1.99071	13.1269	12.4477	7.2995	7.584	20.8410	4.5638	0.163798
731.	0.	1.99013	13.1270	12.4477	7.2969	7.594	20.8588	4.5638	0.163849
732.	0.	1.98935	13.1272	12.4477	7.2918	7.606	20.8830	4.5739	0.163950
733.	0.	1.98876	13.1273	12.4477	7.2892	7.613	20.8958	4.5740	0.163999
734.	0.	1.98813	13.1275	12.4477	7.2867	7.619	20.9061	4.5740	0.164048
735.	0.	1.98759	13.1277	12.4477	7.2841	7.629	20.9241	4.5741	0.164097
736.	0.	1.98684	13.1278	12.4477	7.2791	7.641	20.9485	4.5842	0.164195
737.	0.	1.98628	13.1279	12.4477	7.2766	7.649	20.9615	4.5842	0.164242
738.	0.	1.98577	13.1281	12.4477	7.2741	7.659	20.9804	4.5843	0.164289
739.	0.	1.98507	13.1282	13.8874	7.2690	7.671	21.0053	4.5944	0.164384
740.	0.	1.98454	13.1283	13.8874	7.2665	7.678	21.0186	4.5944	0.164429
741.	0.	1.98399	13.1285	13.8874	7.2641	7.685	21.0295	4.5945	0.164474
742.	0.	1.98352	13.1286	13.8874	7.2615	7.695	21.0479	4.5945	0.164518
743.	0.	1.98287	13.1287	13.8874	7.2565	7.707	21.0727	4.6046	0.164611
744.	0.	1.98238	13.1288	13.8874	7.2539	7.715	21.0861	4.6047	0.164653
745.	0.	1.98187	13.1290	13.8874	7.2514	7.722	21.0972	4.6047	0.164696
746.	0.	1.98144	13.1291	13.8874	7.2489	7.732	21.1158	4.6047	0.164738
747.	0.	1.98081	13.1292	13.8874	7.2439	7.744	21.1406	4.6148	0.164828
748.	0.	1.98036	13.1293	13.8874	7.2414	7.751	21.1540	4.6149	0.164869
749.	0.	1.97987	13.1294	13.8874	7.2390	7.757	21.1650	4.6149	0.164909
750.	0.	1.97946	13.1296	13.8874	7.2365	7.767	21.1833	4.6149	0.164950
751.	0.	1.97888	13.1296	13.8874	7.2315	7.779	21.2079	4.6250	0.165037
752.	0.	1.97846	13.1298	13.8874	7.2290	7.786	21.2211	4.6251	0.165076
753.	0.	1.97802	13.1299	13.8874	7.2266	7.793	21.2322	4.6251	0.165114
754.	0.	1.97757	13.1300	13.8874	7.2241	7.799	21.2423	4.6252	0.165153
755.	0.	1.97712	13.1301	13.8874	7.2217	7.806	21.2518	4.6252	0.165191
756.	0.	1.97666	13.1303	13.8874	7.2193	7.812	21.2610	4.6252	0.165230
757.	0.	1.97615	13.1304	13.8874	7.2169	7.815	21.2646	4.6253	0.165268
758.	0.	1.97577	13.1305	13.8874	7.2170	7.814	21.2561	4.6153	0.165258
759.	0.	1.97539	13.1307	13.8874	7.2172	7.814	21.2504	4.6053	0.165250
760.	0.	1.97481	13.1308	13.8874	7.2149	7.816	21.2498	4.6053	0.165290
761.	0.	1.97437	13.1310	13.8874	7.2150	7.814	21.2396	4.5953	0.165283
762.	0.	1.97394	13.1312	13.8874	7.2153	7.813	21.2329	4.5853	0.165276
763.	0.	1.97332	13.1313	13.8874	7.2130	7.815	21.2319	4.5853	0.165319
764.	0.	1.97283	13.1315	13.8874	7.2132	7.812	21.2213	4.5753	0.165313
765.	0.	1.97235	13.1317	13.8874	7.2135	7.812	21.2146	4.5653	0.165310
766.	0.	1.97167	13.1318	13.8874	7.2113	7.813	21.2132	4.5654	0.165355
767.	0.	1.97113	13.1320	13.8874	7.2116	7.810	21.2024	4.5554	0.165352
768.	0.	1.97059	13.1321	13.8874	7.2120	7.810	21.1951	4.5454	0.165350
769.	0.	1.96986	13.1323	13.8874	7.2098	7.811	21.1933	4.5454	0.165398
770.	0.	1.96927	13.1325	13.8874	7.2102	7.809	21.1821	4.5354	0.165396
771.	0.	1.96869	13.1326	13.8874	7.2106	7.809	21.1744	4.5254	0.165397
772.	0.	1.96792	13.1328	13.8874	7.2085	7.810	21.1722	4.5254	0.165447
773.	0.	1.96729	13.1330	13.8874	7.2089	7.808	21.1606	4.5154	0.165448
774.	0.	1.96666	13.1331	13.8874	7.2094	7.808	21.1526	4.5055	0.165450
775.	0.	1.96584	13.1333	13.8874	7.2072	7.809	21.1502	4.5055	0.165502
776.	0.	1.96517	13.1335	13.8874	7.2077	7.807	21.1384	4.4955	0.165505
777.	0.	1.96451	13.1337	13.8874	7.2082	7.807	21.1303	4.4855	0.165510
778.	0.	1.96364	13.1338	13.8874	7.2060	7.809	21.1278	4.4856	0.165565
779.	0.	1.96298	13.1340	13.8874	7.2064	7.810	21.1215	4.4756	0.165570
780.	0.	1.96211	13.1341	13.8874	7.2043	7.813	21.1199	4.4756	0.165626
781.	0.	1.96139	13.1343	13.8874	7.2047	7.811	21.1083	4.4656	0.165632
782.	0.	1.96067	13.1345	13.8874	7.2052	7.812	21.1003	4.4556	0.165640
783.	0.	1.95975	13.1347	13.8874	7.2030	7.814	21.0981	4.4557	0.165698
784.	0.	1.95907	13.1349	13.8874	7.2034	7.819	21.0971	4.4457	0.165707
785.	0.	1.95814	13.1350	13.8874	7.1986	7.834	21.1239	4.4558	0.165818
786.	0.	1.95732	13.1351	13.8874	7.1936	7.853	21.1572	4.4659	0.165925
787.	0.	1.95657	13.1352	13.8874	7.1885	7.872	21.1929	4.4760	0.166030
788.	0.	1.95579	13.1353	13.8874	7.1835	7.888	21.2213	4.4861	0.166132
789.	0.	1.95522	13.1354	13.8874	7.1810	7.901	21.2428	4.4862	0.166183
790.	0.	1.95452	13.1355	13.8874	7.1760	7.919	21.2763	4.4963	0.166283
791.	0.	1.95380	13.1356	13.8874	7.1711	7.934	21.3042	4.5064	0.166380
792.	0.	1.95330	13.1357	13.8874	7.1687	7.947	21.3260	4.5064	0.166427
793.	0.	1.95259	13.1358	13.8874	7.1637	7.961	21.3515	4.5165	0.166523
794.	0.	1.95211	13.1360	13.8874	7.1613	7.973	21.3726	4.5166	0.166567
795.	0.	1.95153	13.1360	13.8874	7.1563	7.991	21.4064	4.5267	0.166660
796.	0.	1.95092	13.1361	13.8874	7.1513	8.006	21.4347	4.5368	0.166751

797.	0.	1.95052	13.1363	13.8874	7.1488	8.018	21.4570	4.5368	0.166792
798.	0.	1.95002	13.1363	13.8874	7.1437	8.036	21.4915	4.5469	0.166880
799.	0.	1.94948	13.1364	13.8874	7.1387	8.051	21.5202	4.5570	0.166967
800.	0.	1.94915	13.1365	13.8874	7.1361	8.064	21.5429	4.5570	0.167005
801.	0.	1.94864	13.1366	13.8874	7.1311	8.078	21.5695	4.5671	0.167089
802.	0.	1.94835	13.1367	13.8874	7.1285	8.091	21.5915	4.5671	0.167125
803.	0.	1.94795	13.1368	13.8874	7.1233	8.109	21.6263	4.5772	0.167207
804.	0.	1.94753	13.1368	13.8874	7.1181	8.124	21.6555	4.5873	0.167288
805.	0.	1.94729	13.1370	13.8874	7.1156	8.137	21.6788	4.5873	0.167321
806.	0.	1.94686	13.1370	13.8874	7.1105	8.151	21.7059	4.5974	0.167400
807.	0.	1.94664	13.1371	13.8874	7.1080	8.163	21.7287	4.5974	0.167432
808.	0.	1.94631	13.1372	13.8874	7.1029	8.181	21.7642	4.6075	0.167509
809.	0.	1.94604	13.1372	13.8874	7.0977	8.200	21.8024	4.6176	0.167585
810.	0.	1.94571	13.1373	13.8874	7.0927	8.215	21.8330	4.6277	0.167660
811.	0.	1.94556	13.1374	13.8874	7.0902	8.227	21.8572	4.6277	0.167689
812.	0.	1.94531	13.1374	13.8874	7.0851	8.245	21.8928	4.6378	0.167762
813.	0.	1.94500	13.1375	13.8874	7.0802	8.259	21.9222	4.6478	0.167833
814.	0.	1.94488	13.1376	13.8874	7.0778	8.271	21.9456	4.6479	0.167859
815.	0.	1.94466	13.1376	13.8874	7.0728	8.287	21.9809	4.6579	0.167930
816.	0.	1.94440	13.1377	13.8874	7.0680	8.301	22.0103	4.6680	0.167999
817.	0.	1.94432	13.1378	13.8874	7.0655	8.313	22.0340	4.6680	0.168023
818.	0.	1.94416	13.1378	13.8874	7.0605	8.330	22.0698	4.6781	0.168090
819.	0.	1.94395	13.1378	13.8874	7.0556	8.344	22.0997	4.6882	0.168156
820.	0.	1.94391	13.1379	13.8874	7.0531	8.356	22.1238	4.6882	0.168178
821.	0.	1.94379	13.1380	13.8874	7.0482	8.373	22.1594	4.6982	0.168243
822.	0.	1.94371	13.1380	13.8874	7.0432	8.392	22.1973	4.7083	0.168307
823.	0.	1.94358	13.1380	13.8874	7.0382	8.406	22.2276	4.7184	0.168369
824.	0.	1.94362	13.1381	13.8874	7.0357	8.418	22.2516	4.7184	0.168388
825.	0.	1.94355	13.1381	13.8874	7.0308	8.435	22.2869	4.7284	0.168449
826.	0.	1.94344	13.1382	13.8874	7.0259	8.450	22.3159	4.7385	0.168509
827.	0.	1.94349	13.1382	13.8874	7.0234	8.462	22.3396	4.7385	0.168527
828.	0.	1.94347	13.1383	13.8874	7.0185	8.479	22.3748	4.7486	0.168586
829.	0.	1.94349	13.1383	13.8874	7.0135	8.497	22.4123	4.7586	0.168643
830.	0.	1.94355	13.1383	13.8874	7.0084	8.516	22.4508	4.7687	0.168700
831.	0.	1.94354	13.1383	13.8874	7.0035	8.531	22.4817	4.7788	0.168756
832.	0.	1.94366	13.1384	13.8874	7.0009	8.543	22.5066	4.7788	0.168770
833.	0.	1.94371	13.1384	13.8874	6.9960	8.561	22.5429	4.7888	0.168825
834.	0.	1.94380	13.1384	13.8874	6.9910	8.580	22.5810	4.7989	0.168879
835.	0.	1.94391	13.1384	13.8874	6.9860	8.599	22.6200	4.8089	0.168932
836.	0.	1.94395	13.1385	13.8874	6.9812	8.614	22.6510	4.8190	0.168985
837.	0.	1.94411	13.1385	13.8874	6.9787	8.625	22.6755	4.8190	0.168997
838.	0.	1.94412	13.1385	13.8874	6.9740	8.638	22.7031	4.8290	0.169049
839.	0.	1.94428	13.1386	13.8874	6.9716	8.649	22.7260	4.8291	0.169060
840.	0.	1.94428	13.1386	13.8874	6.9669	8.661	22.7524	4.8391	0.169111
841.	0.	1.94444	13.1386	13.8874	6.9646	8.671	22.7741	4.8391	0.169121
842.	0.	1.94445	13.1386	13.8874	6.9600	8.682	22.7999	4.8492	0.169172
843.	0.	1.94453	13.1387	13.8874	6.9577	8.688	22.8137	4.8492	0.169182
844.	0.	1.94468	13.1387	13.8874	6.9554	8.697	22.8335	4.8492	0.169193
845.	0.	1.94468	13.1387	13.8874	6.9508	8.708	22.8583	4.8592	0.169243
846.	0.	1.94485	13.1388	13.8874	6.9486	8.717	22.8798	4.8593	0.169252
847.	0.	1.94488	13.1388	13.8874	6.9440	8.728	22.9053	4.8693	0.169301
848.	0.	1.94505	13.1388	13.8874	6.9418	8.738	22.9268	4.8693	0.169310
849.	0.	1.94508	13.1388	13.8874	6.9373	8.749	22.9521	4.8794	0.169359
850.	0.	1.94524	13.1389	13.8874	6.9353	8.759	22.9734	4.8794	0.169368
851.	0.	1.94526	13.1389	13.8874	6.9309	8.770	22.9984	4.8894	0.169416
852.	0.	1.94543	13.1389	13.8874	6.9288	8.780	23.0193	4.8894	0.169424
853.	0.	1.94547	13.1389	13.8874	6.9245	8.791	23.0438	4.8995	0.169471
854.	0.	1.94564	13.1390	13.8874	6.9225	8.800	23.0642	4.8995	0.169479
855.	0.	1.94569	13.1390	13.8874	6.9181	8.811	23.0886	4.9095	0.169525
856.	0.	1.94588	13.1390	13.8874	6.9161	8.820	23.1089	4.9095	0.169533
857.	0.	1.94594	13.1390	13.8874	6.9118	8.831	23.1334	4.9196	0.169578
858.	0.	1.94605	13.1391	13.8874	6.9098	8.836	23.1459	4.9196	0.169586
859.	0.	1.94614	13.1391	13.8874	6.9078	8.841	23.1567	4.9196	0.169593
860.	0.	1.94622	13.1391	13.8874	6.9059	8.845	23.1665	4.9196	0.169600
861.	0.	1.94629	13.1392	13.8874	6.9040	8.849	23.1761	4.9196	0.169608
862.	0.	1.94637	13.1392	13.8874	6.9020	8.853	23.1855	4.9196	0.169615
863.	0.	1.94644	13.1392	13.8874	6.9001	8.857	23.1949	4.9196	0.169623

864.	0.	1.94652	13.1393	13.8874	6.8981	8.861	23.2044	4.9196	0.169630
865.	0.	1.94659	13.1393	13.8874	6.8962	8.864	23.2136	4.9196	0.169637
866.	0.	1.94666	13.1394	13.8874	6.8943	8.868	23.2227	4.9196	0.169645
867.	0.	1.94674	13.1394	13.8874	6.8923	8.872	23.2319	4.9197	0.169652
868.	0.	1.94681	13.1394	13.8874	6.8904	8.875	23.2410	4.9197	0.169660
869.	0.	1.94688	13.1395	13.8874	6.8884	8.879	23.2501	4.9197	0.169667
870.	0.	1.94695	13.1395	13.8874	6.8865	8.883	23.2591	4.9197	0.169675
871.	0.	1.94701	13.1396	13.8874	6.8846	8.887	23.2679	4.9197	0.169683
872.	0.	1.94706	13.1396	13.8874	6.8827	8.891	23.2761	4.9197	0.169691
873.	0.	1.94711	13.1396	13.8874	6.8809	8.894	23.2842	4.9197	0.169699
874.	0.	1.94715	13.1397	13.8874	6.8791	8.898	23.2923	4.9197	0.169708
875.	0.	1.94720	13.1397	13.8874	6.8773	8.901	23.3003	4.9197	0.169716
876.	0.	1.94724	13.1397	13.8874	6.8754	8.904	23.3082	4.9197	0.169724
877.	0.	1.94728	13.1398	13.8874	6.8736	8.907	23.3160	4.9197	0.169732
878.	0.	1.94733	13.1398	13.8874	6.8718	8.911	23.3238	4.9197	0.169740
879.	0.	1.94739	13.1399	13.8874	6.8699	8.914	23.3315	4.9197	0.169748
880.	0.	1.94744	13.1399	13.8874	6.8680	8.917	23.3391	4.9198	0.169756
881.	0.	1.94743	13.1399	13.8874	6.8662	8.916	23.3403	4.9198	0.169764
882.	0.	1.94750	13.1400	13.8874	6.8667	8.913	23.3353	4.9097	0.169735
883.	0.	1.94751	13.1401	13.8874	6.8649	8.913	23.3398	4.9097	0.169743
884.	0.	1.94752	13.1401	13.8874	6.8632	8.915	23.3457	4.9098	0.169752
885.	0.	1.94754	13.1401	13.8874	6.8614	8.916	23.3523	4.9098	0.169760
886.	0.	1.94756	13.1402	13.8874	6.8597	8.918	23.3590	4.9098	0.169769
887.	0.	1.94758	13.1402	13.8874	6.8579	8.919	23.3657	4.9098	0.169778
888.	0.	1.94760	13.1402	13.8874	6.8561	8.921	23.3722	4.9098	0.169786
889.	0.	1.94761	13.1403	13.8874	6.8544	8.922	23.3785	4.9098	0.169795
890.	0.	1.94762	13.1403	13.8874	6.8527	8.924	23.3846	4.9098	0.169804
891.	0.	1.94764	13.1404	13.8874	6.8509	8.925	23.3906	4.9098	0.169813
892.	0.	1.94759	13.1404	13.8874	6.8492	8.923	23.3904	4.9098	0.169821
893.	0.	1.94755	13.1405	13.8874	6.8500	8.916	23.3779	4.8998	0.169793
894.	0.	1.94742	13.1406	13.8874	6.8507	8.903	23.3566	4.8898	0.169765
895.	0.	1.94727	13.1407	13.8874	6.8539	8.885	23.3222	4.8697	0.169700
896.	0.	1.94714	13.1408	13.8874	6.8572	8.868	23.2904	4.8496	0.169636
897.	0.	1.94689	13.1409	13.8874	6.8581	8.853	23.2634	4.8396	0.169610
898.	0.	1.94668	13.1411	13.8874	6.8614	8.834	23.2263	4.8195	0.169546
899.	0.	1.94643	13.1412	13.8874	6.8648	8.814	23.1870	4.7995	0.169482
900.	0.	1.94614	13.1413	13.8874	6.8682	8.793	23.1467	4.7794	0.169419
901.	0.	1.94577	13.1415	13.8874	6.8716	8.769	23.1002	4.7594	0.169356
902.	0.	1.94541	13.1417	13.8874	6.8776	8.739	23.0411	4.7293	0.169254
903.	0.	1.94503	13.1419	13.8874	6.8838	8.712	22.9844	4.6992	0.169153
904.	0.	1.94450	13.1420	13.8874	6.8875	8.685	22.9327	4.6791	0.169093
905.	0.	1.94401	13.1422	13.8874	6.8937	8.656	22.8722	4.6490	0.168993
906.	0.	1.94352	13.1425	13.8874	6.9000	8.629	22.8158	4.6189	0.168894
907.	0.	1.94287	13.1426	13.8874	6.9038	8.604	22.7645	4.5988	0.168839
908.	0.	1.94230	13.1429	13.8874	6.9103	8.579	22.7082	4.5687	0.168741
909.	0.	1.94154	13.1430	13.8874	6.9143	8.554	22.6559	4.5487	0.168690
910.	0.	1.94081	13.1433	13.8874	6.9209	8.526	22.5928	4.5186	0.168595
911.	0.	1.94005	13.1435	13.8874	6.9277	8.500	22.5322	4.4885	0.168502
912.	0.	1.93909	13.1437	13.8874	6.9320	8.475	22.4767	4.4685	0.168458
913.	0.	1.93818	13.1440	13.8874	6.9389	8.447	22.4107	4.4384	0.168368
914.	0.	1.93723	13.1442	13.8874	6.9459	8.421	22.3472	4.4083	0.168281
915.	0.	1.93607	13.1445	13.8874	6.9504	8.396	22.2890	4.3882	0.168244
916.	0.	1.93512	13.1447	13.8874	6.9575	8.378	22.2369	4.3582	0.168161
917.	0.	1.93369	13.1449	13.8874	6.9568	8.371	22.2137	4.3582	0.168232
918.	0.	1.93258	13.1451	13.8874	6.9584	8.366	22.1922	4.3482	0.168249
919.	0.	1.93133	13.1452	13.8874	6.9573	8.367	22.1832	4.3483	0.168318
920.	0.	1.93012	13.1454	13.8874	6.9562	8.369	22.1774	4.3484	0.168386
921.	0.	1.92894	13.1455	13.8874	6.9550	8.372	22.1730	4.3485	0.168454
922.	0.	1.92778	13.1457	13.8874	6.9537	8.376	22.1695	4.3485	0.168521
923.	0.	1.92664	13.1458	13.8874	6.9524	8.379	22.1665	4.3486	0.168588
924.	0.	1.92553	13.1460	13.8874	6.9510	8.383	22.1641	4.3487	0.168654
925.	0.	1.92443	13.1461	13.8874	6.9496	8.386	22.1621	4.3487	0.168719
926.	0.	1.92336	13.1463	13.8874	6.9481	8.390	22.1605	4.3488	0.168784
927.	0.	1.92231	13.1464	13.8874	6.9465	8.394	22.1592	4.3488	0.168848
928.	0.	1.92125	13.1466	13.8874	6.9450	8.397	22.1582	4.3489	0.168911
929.	0.	1.92021	13.1467	13.8874	6.9434	8.401	22.1574	4.3490	0.168974
930.	0.	1.91918	13.1468	13.8874	6.9419	8.405	22.1567	4.3490	0.169037

931.	0.	1.91811	13.1470	13.8874	6.9404	8.405	22.1506	4.3491	0.169099
932.	0.	1.91722	13.1472	13.8874	6.9414	8.403	22.1380	4.3391	0.169110
933.	0.	1.91616	13.1473	13.8874	6.9398	8.406	22.1352	4.3392	0.169173
934.	0.	1.91513	13.1475	13.8874	6.9383	8.409	22.1344	4.3392	0.169236
935.	0.	1.91412	13.1476	13.8874	6.9366	8.413	22.1344	4.3393	0.169298
936.	0.	1.91311	13.1478	13.8874	6.9350	8.417	22.1348	4.3394	0.169360
937.	0.	1.91211	13.1479	13.8874	6.9334	8.421	22.1355	4.3394	0.169421
938.	0.	1.91113	13.1481	13.8874	6.9318	8.426	22.1365	4.3395	0.169482
939.	0.	1.91015	13.1482	13.8874	6.9302	8.430	22.1376	4.3395	0.169542
940.	0.	1.90917	13.1483	13.8874	6.9286	8.434	22.1390	4.3396	0.169602
941.	0.	1.90820	13.1485	13.8874	6.9270	8.438	22.1405	4.3397	0.169662
942.	0.	1.90725	13.1486	13.8874	6.9253	8.443	22.1421	4.3397	0.169721
943.	0.	1.90626	13.1488	13.8874	6.9237	8.444	22.1383	4.3398	0.169779
944.	0.	1.90545	13.1489	13.8874	6.9246	8.443	22.1279	4.3298	0.169787
945.	0.	1.90447	13.1491	13.8874	6.9230	8.446	22.1272	4.3298	0.169847
946.	0.	1.90351	13.1492	13.8874	6.9214	8.450	22.1279	4.3299	0.169906
947.	0.	1.90257	13.1494	13.8874	6.9197	8.454	22.1294	4.3300	0.169964
948.	0.	1.90164	13.1495	13.8874	6.9180	8.457	22.1311	4.3300	0.170022
949.	0.	1.90073	13.1497	13.8874	6.9162	8.461	22.1330	4.3301	0.170080
950.	0.	1.89979	13.1498	13.8874	6.9144	8.462	22.1293	4.3301	0.170137
951.	0.	1.89903	13.1500	13.8874	6.9151	8.460	22.1189	4.3201	0.170144
952.	0.	1.89804	13.1501	13.8874	6.9134	8.458	22.1123	4.3202	0.170202
953.	0.	1.89719	13.1503	13.8874	6.9142	8.452	22.0951	4.3102	0.170210
954.	0.	1.89634	13.1505	13.8874	6.9151	8.449	22.0812	4.3002	0.170219
955.	0.	1.89527	13.1507	13.8874	6.9135	8.447	22.0729	4.3003	0.170280
956.	0.	1.89436	13.1508	13.8874	6.9145	8.440	22.0548	4.2903	0.170290
957.	0.	1.89345	13.1510	13.8874	6.9155	8.436	22.0401	4.2803	0.170302
958.	0.	1.89230	13.1512	13.8874	6.9141	8.433	22.0311	4.2804	0.170366
959.	0.	1.89131	13.1514	13.8874	6.9153	8.427	22.0122	4.2704	0.170379
960.	0.	1.89033	13.1516	13.8874	6.9165	8.422	21.9969	4.2604	0.170393
961.	0.	1.88912	13.1518	13.8874	6.9151	8.419	21.9875	4.2605	0.170460
962.	0.	1.88809	13.1520	13.8874	6.9163	8.413	21.9682	4.2505	0.170475
963.	0.	1.88706	13.1522	13.8874	6.9175	8.409	21.9526	4.2405	0.170493
964.	0.	1.88581	13.1523	13.8874	6.9162	8.406	21.9431	4.2406	0.170562
965.	0.	1.88474	13.1525	13.8874	6.9174	8.400	21.9237	4.2306	0.170580
966.	0.	1.88366	13.1527	13.8874	6.9187	8.397	21.9079	4.2206	0.170599
967.	0.	1.88235	13.1529	13.8874	6.9174	8.394	21.8980	4.2207	0.170671
968.	0.	1.88122	13.1531	13.8874	6.9187	8.388	21.8783	4.2107	0.170691
969.	0.	1.88010	13.1533	13.8874	6.9200	8.384	21.8623	4.2007	0.170713
970.	0.	1.87875	13.1535	13.8874	6.9187	8.381	21.8523	4.2008	0.170788
971.	0.	1.87759	13.1537	13.8874	6.9200	8.374	21.8327	4.1908	0.170810
972.	0.	1.87643	13.1540	13.8874	6.9213	8.370	21.8169	4.1808	0.170834
973.	0.	1.87505	13.1542	13.8874	6.9200	8.368	21.8070	4.1809	0.170912
974.	0.	1.87384	13.1544	13.8874	6.9213	8.362	21.7871	4.1709	0.170936
975.	0.	1.87263	13.1546	13.8874	6.9226	8.358	21.7709	4.1610	0.170963
976.	0.	1.87120	13.1548	13.8874	6.9213	8.356	21.7606	4.1610	0.171043
977.	0.	1.86996	13.1550	13.8874	6.9225	8.350	21.7407	4.1511	0.171070
978.	0.	1.86872	13.1553	13.8874	6.9238	8.347	21.7244	4.1411	0.171100
979.	0.	1.86726	13.1555	13.8874	6.9224	8.346	21.7140	4.1412	0.171183
980.	0.	1.86598	13.1557	13.8874	6.9237	8.340	21.6938	4.1312	0.171212
981.	0.	1.86463	13.1559	13.8874	6.9250	8.333	21.6717	4.1212	0.171244
982.	0.	1.86330	13.1562	13.8874	6.9264	8.330	21.6543	4.1113	0.171277
983.	0.	1.86179	13.1564	13.8874	6.9251	8.331	21.6490	4.1114	0.171365
984.	0.	1.86033	13.1566	13.8874	6.9238	8.334	21.6465	4.1115	0.171452
985.	0.	1.85883	13.1568	13.8874	6.9224	8.334	21.6392	4.1115	0.171538
986.	0.	1.85756	13.1571	13.8874	6.9237	8.332	21.6256	4.1016	0.171570
987.	0.	1.85608	13.1573	13.8874	6.9224	8.334	21.6219	4.1017	0.171657
988.	0.	1.85464	13.1575	13.8874	6.9210	8.336	21.6201	4.1017	0.171744
989.	0.	1.85322	13.1577	13.8874	6.9195	8.340	21.6192	4.1018	0.171829
990.	0.	1.85177	13.1579	13.8874	6.9181	8.340	21.6128	4.1019	0.171913
991.	0.	1.85056	13.1581	13.8874	6.9192	8.338	21.5999	4.0919	0.171944
992.	0.	1.84912	13.1583	13.8874	6.9178	8.340	21.5968	4.0920	0.172029
993.	0.	1.84771	13.1585	13.8874	6.9163	8.343	21.5955	4.0921	0.172114
994.	0.	1.84632	13.1587	13.8874	6.9149	8.346	21.5951	4.0922	0.172198
995.	0.	1.84488	13.1589	13.8874	6.9135	8.346	21.5893	4.0923	0.172281
996.	0.	1.84368	13.1592	13.8874	6.9147	8.343	21.5768	4.0823	0.172310
997.	0.	1.84226	13.1594	13.8874	6.9133	8.345	21.5743	4.0824	0.172394

998.	0.	1.84089	13.1596	13.8874	6.9118	8.347	21.5736	4.0825	0.172477
999.	0.	1.83947	13.1598	13.8874	6.9104	8.347	21.5680	4.0826	0.172560
1000.	0.	1.83828	13.1600	13.8874	6.9116	8.345	21.5556	4.0726	0.172588
1001.	0.	1.83688	13.1602	13.8874	6.9102	8.347	21.5532	4.0727	0.172671
1002.	0.	1.83550	13.1604	13.8874	6.9088	8.350	21.5525	4.0728	0.172754
1003.	0.	1.83415	13.1607	13.8874	6.9073	8.353	21.5524	4.0728	0.172836
1004.	0.	1.83276	13.1609	13.8874	6.9059	8.352	21.5468	4.0729	0.172917
1005.	0.	1.83159	13.1611	13.8874	6.9071	8.350	21.5344	4.0629	0.172944
1006.	0.	1.83021	13.1613	13.8874	6.9057	8.351	21.5315	4.0630	0.173026
1007.	0.	1.82886	13.1615	13.8874	6.9043	8.353	21.5304	4.0631	0.173107
1008.	0.	1.82747	13.1617	13.8874	6.9029	8.352	21.5238	4.0632	0.173187
1009.	0.	1.82616	13.1620	13.8874	6.9042	8.338	21.4933	4.0532	0.173213
1010.	0.	1.82511	13.1623	13.8874	6.9112	8.312	21.4343	4.0231	0.173134
1011.	0.	1.82387	13.1627	13.8874	6.9183	8.283	21.3679	3.9931	0.173060
1012.	0.	1.82250	13.1630	13.8874	6.9257	8.253	21.2973	3.9630	0.172991
1013.	0.	1.82098	13.1634	13.8874	6.9334	8.226	21.2295	3.9329	0.172930
1014.	0.	1.81912	13.1638	13.8874	6.9384	8.200	21.1670	3.9129	0.172932
1015.	0.	1.81734	13.1642	13.8874	6.9464	8.170	21.0928	3.8829	0.172882
1016.	0.	1.81545	13.1646	13.8874	6.9545	8.143	21.0206	3.8528	0.172838
1017.	0.	1.81316	13.1650	13.8874	6.9601	8.117	20.9532	3.8329	0.172861
1018.	0.	1.81104	13.1655	13.8874	6.9686	8.091	20.8801	3.8028	0.172829
1019.	0.	1.80850	13.1659	13.8874	6.9744	8.066	20.8105	3.7829	0.172866
1020.	0.	1.80608	13.1664	13.8874	6.9832	8.037	20.7289	3.7528	0.172847
1021.	0.	1.80351	13.1669	13.8874	6.9923	8.010	20.6489	3.7228	0.172837
1022.	0.	1.80049	13.1674	13.8874	6.9987	7.984	20.5734	3.7029	0.172900
1023.	0.	1.79766	13.1679	13.8874	7.0081	7.957	20.4916	3.6729	0.172905
1024.	0.	1.79435	13.1684	13.8874	7.0148	7.931	20.4131	3.6530	0.172985
1025.	0.	1.79118	13.1690	13.8874	7.0246	7.901	20.3218	3.6230	0.173006
1026.	0.	1.78784	13.1696	13.8874	7.0347	7.873	20.2318	3.5930	0.173038
1027.	0.	1.78398	13.1702	13.8874	7.0423	7.845	20.1462	3.5732	0.173151
1028.	0.	1.78026	13.1708	13.8874	7.0530	7.813	20.0472	3.5432	0.173202
1029.	0.	1.77637	13.1715	13.8874	7.0640	7.783	19.9511	3.5133	0.173265
1030.	0.	1.77194	13.1722	13.8874	7.0723	7.754	19.8599	3.4934	0.173413
1031.	0.	1.76770	13.1729	13.8874	7.0837	7.721	19.7563	3.4635	0.173497
1032.	0.	1.76323	13.1736	13.8874	7.0955	7.687	19.6485	3.4336	0.173594
1033.	0.	1.75855	13.1744	13.8874	7.1075	7.653	19.5378	3.4037	0.173705
1034.	0.	1.75364	13.1752	13.8874	7.1198	7.619	19.4247	3.3738	0.173830
1035.	0.	1.74852	13.1760	13.8874	7.1323	7.586	19.3093	3.3440	0.173971
1036.	0.	1.74318	13.1768	13.8874	7.1451	7.552	19.1928	3.3141	0.174127
1037.	0.	1.73762	13.1777	13.8874	7.1582	7.519	19.0753	3.2843	0.174300
1038.	0.	1.73183	13.1786	13.8874	7.1715	7.487	18.9569	3.2545	0.174489
1039.	0.	1.72583	13.1796	13.8874	7.1851	7.455	18.8369	3.2247	0.174695
1040.	0.	1.71960	13.1805	13.8874	7.1990	7.423	18.7153	3.1949	0.174919
1041.	0.	1.71315	13.1815	13.8874	7.2130	7.391	18.5927	3.1652	0.175160
1042.	0.	1.70648	13.1826	13.8874	7.2273	7.359	18.4692	3.1354	0.175420
1043.	0.	1.69959	13.1837	13.8874	7.2417	7.328	18.3450	3.1057	0.175697
1044.	0.	1.69250	13.1848	13.8874	7.2563	7.297	18.2199	3.0760	0.175994
1045.	0.	1.68519	13.1859	13.8874	7.2711	7.266	18.0939	3.0463	0.176309
1046.	0.	1.67767	13.1871	13.8874	7.2861	7.235	17.9673	3.0166	0.176644
1047.	0.	1.66993	13.1883	13.8874	7.3011	7.205	17.8399	2.9870	0.176999
1048.	0.	1.66372	13.1896	13.8874	7.3154	7.175	17.7131	2.9574	0.177403
1049.	0.	1.63860	13.1891	13.8874	7.2295	7.1428	17.5885	2.9280	0.177817
1050.	0.	1.64582	13.1911	13.8874	7.3044	7.255	17.8680	3.0189	0.178925
1051.	0.	1.64734	13.1932	13.8874	7.3707	7.075	17.3989	2.8175	0.177512
1052.	0.	1.64077	13.1952	13.8874	7.4205	6.921	16.9562	2.6971	0.177118
1053.	0.	1.63204	13.1975	13.8874	7.4732	6.761	16.4889	2.5769	0.176876
1054.	0.	1.62256	13.2003	13.8874	7.5397	6.590	15.9683	2.4265	0.176467
1055.	0.	1.60864	13.2033	13.8874	7.6070	6.399	15.4097	2.2865	0.176524
1056.	0.	1.59235	13.2070	13.8874	7.6841	6.192	14.7775	2.1267	0.176680
1057.	0.	1.57264	13.2113	13.8874	7.7626	5.982	14.0975	1.9572	0.177204
1058.	0.	1.54792	13.2164	13.8874	7.8352	5.803	13.4477	1.7885	0.178538
1059.	0.	1.50986	13.2217	13.8874	7.8788	5.691	12.9665	1.6926	0.182638
1060.	0.	1.46287	13.2270	13.8874	7.9006	5.630	12.6231	1.6587	0.188734
1061.	0.	1.41783	13.2322	13.8874	7.9212	5.576	12.3227	1.6246	0.194571
1062.	0.	1.37698	13.2374	13.8874	7.9467	5.494	11.9878	1.5697	0.199680
1063.	0.	1.34099	13.2430	13.8874	7.9815	5.379	11.5980	1.4739	0.203927
1064.	0.	1.30240	13.2489	13.8874	8.0123	5.286	11.2457	1.3788	0.208849

1065.	0.	1.25398	13.2545	13.8874	8.0228	5.250	11.0113	1.3460	0.215968
1066.	0.	1.20468	13.2594	13.8874	8.0247	5.254	10.8581	1.3433	0.223324
1067.	0.	1.16074	13.2637	13.8874	8.0279	5.289	10.7823	1.3397	0.229669
1068.	0.	1.11859	13.2673	13.8874	8.0230	5.349	10.7767	1.3657	0.235690
1069.	0.	1.08381	13.2703	13.8874	8.0222	5.362	10.6924	1.3803	0.240337
1070.	0.	1.06059	13.2734	13.8874	8.0444	5.292	10.4572	1.3230	0.242982
1071.	0.	1.04088	13.2769	13.8874	8.0775	5.175	10.1429	1.2250	0.245035
1072.	0.	1.01609	13.2806	13.8874	8.1038	5.104	9.8949	1.1381	0.248080
1073.	0.	0.97836	13.2841	13.8874	8.1046	5.099	9.7595	1.1336	0.253601
1074.	0.	0.94383	13.2874	13.8874	8.1065	5.075	9.6098	1.1285	0.258482
1075.	0.	0.91864	13.2910	13.8874	8.1312	4.989	9.3671	1.0617	0.261694
1076.	0.	0.89464	13.2954	13.8874	8.1659	4.941	9.1737	0.9648	0.264794
1077.	0.	0.85230	13.2993	13.8874	8.1585	4.979	9.1382	0.9914	0.271387
1078.	0.	0.81909	13.3030	13.8874	8.1580	5.015	9.1009	0.9962	0.276173
1079.	0.	0.79130	13.3065	13.8874	8.1631	5.032	9.0417	0.9900	0.279982
1080.	0.	0.76739	13.3100	13.8874	8.1736	5.040	8.9758	0.9731	0.283145
1081.	0.	0.74399	13.3134	13.8874	8.1817	5.027	8.8883	0.9662	0.286218
1082.	0.	0.72549	13.3171	13.8874	8.2034	4.986	8.7657	0.9285	0.288509
1083.	0.	0.70645	13.3210	13.8874	8.2263	4.935	8.6370	0.8909	0.290920
1084.	0.	0.68657	13.3255	13.8874	8.2514	4.877	8.5048	0.8535	0.293492
1085.	0.	0.66578	13.3304	13.8874	8.2807	4.851	8.4152	0.8163	0.296251
1086.	0.	0.64080	13.3352	13.8874	8.2883	4.889	8.4373	0.8197	0.299724
1087.	0.	0.61710	13.3397	13.8874	8.2831	4.915	8.4382	0.8429	0.302902
1088.	0.	0.60204	13.3443	13.8874	8.3051	4.833	8.2931	0.8147	0.304710
1089.	0.	0.59188	13.3506	13.8874	8.3694	4.655	8.0418	0.7258	0.305757
1090.	0.	0.57738	13.3603	13.8874	8.4307	4.422	7.7126	0.6276	0.307572
1091.	0.	0.52951	13.3798	13.8874	8.8638	4.000	7.6910	0.5352	0.315151
1092.	0.	0.48010	13.4057	13.8874	9.1613	3.654	7.6972	0.4836	0.323633
1093.	0.	0.43912	13.4326	13.8874	9.2711	3.452	7.6370	0.4507	0.330729
1094.	0.	0.40283	13.4603	13.8874	9.3554	3.295	7.5938	0.4170	0.336953
1095.	0.	0.37149	13.4865	13.8874	9.3902	3.283	7.6220	0.3824	0.342352
1096.	0.	0.34197	13.5103	13.8874	9.5270	3.575	7.6605	0.3475	0.347485