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%      Xp            Yp            Hsig          TPsmoo        RTpeak        Tm_10         Dir           Dspr          Depth         Setup
%      [m]           [m]           [m]           [sec]         [sec]         [sec]         [degr]        [degr]        [m]           [m]
%
       0.            0.            6.15390       14.7795       15.4936       13.3670       0.000         31.5057       9.7200        0.000000
       1.            0.            6.16191       14.7925       15.4936       13.1499       0.000         31.4683       9.7012        0.001245
       2.            0.            6.16630       14.8045       15.4936       12.9541       0.000         31.4325       9.6927        0.002652
       3.            0.            6.16774       14.8149       15.4936       12.7803       0.000         31.3815       9.6841        0.004096
       4.            0.            6.16731       14.8240       15.4936       12.6278       0.000         31.3211       9.6654        0.005440
       5.            0.            6.16356       14.8319       15.4936       12.4933       0.000         31.2654       9.6569        0.006949
       6.            0.            6.15735       14.8387       15.4936       12.3746       0.000         31.1997       9.6485        0.008485
       7.            0.            6.14985       14.8447       15.4936       12.2700       359.999       31.1309       9.6299        0.009939
       8.            0.            6.14023       14.8498       15.4936       12.1757       359.999       31.0690       9.6215        0.011528
       9.            0.            6.12950       14.8544       15.4936       12.0909       359.999       31.0090       9.6131        0.013114
      10.            0.            6.11780       14.8584       15.4936       12.0142       359.999       30.9509       9.6047        0.014700
      11.            0.            6.10520       14.8619       15.4936       11.9447       359.999       30.8925       9.5963        0.016284
      12.            0.            6.09266       14.8649       15.4936       11.8782       359.999       30.8361       9.5879        0.017868
      13.            0.            6.07940       14.8676       15.4936       11.8161       359.999       30.7723       9.5795        0.019454
      14.            0.            6.06640       14.8700       15.4936       11.7590       359.999       30.7058       9.5609        0.020914
      15.            0.            6.05220       14.8720       15.4936       11.7054       359.999       30.6475       9.5525        0.022501
      16.            0.            6.03764       14.8737       15.4936       11.6558       359.999       30.5919       9.5441        0.024082
      17.            0.            6.02270       14.8752       15.4936       11.6096       359.999       30.5370       9.5357        0.025655
      18.            0.            6.00744       14.8765       15.4936       11.5666       359.999       30.4824       9.5272        0.027218
      19.            0.            5.99163       14.8775       15.4936       11.5264       359.999       30.4210       9.5188        0.028774
      20.            0.            5.97633       14.8785       15.4936       11.4893       359.999       30.3573       9.5002        0.030199
      21.            0.            5.96016       14.8793       15.4936       11.4539       359.999       30.3002       9.4917        0.031739
      22.            0.            5.94391       14.8799       15.4936       11.4206       359.999       30.2456       9.4833        0.033266
      23.            0.            5.92756       14.8804       15.4936       11.3893       359.999       30.1919       9.4748        0.034778
      24.            0.            5.91112       14.8808       15.4936       11.3597       359.999       30.1389       9.4663        0.036277
      25.            0.            5.89461       14.8811       15.4936       11.3319       359.999       30.0863       9.4578        0.037761
      26.            0.            5.87781       14.8813       15.4936       11.3055       359.999       30.0274       9.4492        0.039232
      27.            0.            5.86169       14.8814       15.4936       11.2811       359.999       29.9664       9.4306        0.040572
      28.            0.            5.84491       14.8815       15.4936       11.2574       359.999       29.9120       9.4220        0.042020
      29.            0.            5.82821       14.8815       15.4936       11.2348       359.999       29.8601       9.4135        0.043453
      30.            0.            5.81154       14.8814       15.4936       11.2134       359.999       29.8094       9.4049        0.044869
      31.            0.            5.79492       14.8813       15.4936       11.1929       359.999       29.7593       9.3963        0.046270
      32.            0.            5.77835       14.8811       15.4936       11.1735       359.999       29.7098       9.3877        0.047655
      33.            0.            5.76183       14.8809       15.4936       11.1549       359.998       29.6609       9.3790        0.049023
      34.            0.            5.74537       14.8807       15.4936       11.1372       359.998       29.6124       9.3704        0.050376
      35.            0.            5.72899       14.8804       15.4936       11.1203       359.998       29.5644       9.3617        0.051713
      36.            0.            5.71268       14.8801       15.4936       11.1041       359.998       29.5169       9.3530        0.053034
      37.            0.            5.69646       14.8798       15.4936       11.0886       359.998       29.4699       9.3443        0.054339
      38.            0.            5.68033       14.8794       15.4936       11.0737       359.998       29.4234       9.3356        0.055628
      39.            0.            5.66429       14.8790       15.4936       11.0594       359.998       29.3773       9.3269        0.056902
      40.            0.            5.64836       14.8786       15.4936       11.0457       359.997       29.3316       9.3182        0.058161
      41.            0.            5.63273       14.8782       15.4936       11.0325       359.997       29.2929       9.3094        0.059403
      42.            0.            5.61655       14.8778       15.4936       11.0192       359.997       29.2572       9.3107        0.060741
      43.            0.            5.60110       14.8773       15.4936       11.0070       359.997       29.2159       9.3019        0.061946
      44.            0.            5.58769       14.8769       15.4936       10.9878       359.997       29.1766       9.2931        0.063138
      45.            0.            5.57488       14.8765       15.4936       10.9668       359.996       29.1380       9.2843        0.064320
      46.            0.            5.56221       14.8760       15.4936       10.9456       359.996       29.0996       9.2755        0.065495
      47.            0.            5.54951       14.8756       15.4936       10.9249       359.996       29.0615       9.2667        0.066663
      48.            0.            5.53483       14.8753       15.4936       10.9099       359.995       29.0309       9.2579        0.067896
      49.            0.            5.51911       14.8749       15.4936       10.8987       359.995       29.0068       9.2492        0.069156
      50.            0.            5.50242       14.8745       15.4936       10.8882       359.993       28.9821       9.2505        0.070515
      51.            0.            5.48637       14.8742       15.4936       10.8791       359.993       28.9510       9.2417        0.071746
      52.            0.            5.47038       14.8739       15.4936       10.8703       359.993       28.9177       9.2330        0.072961
      53.            0.            5.45436       14.8736       15.4936       10.8622       359.991       28.8817       9.2242        0.074161
      54.            0.            5.43837       14.8733       15.4936       10.8545       359.991       28.8443       9.2153        0.075347
      55.            0.            5.42253       14.8731       15.4936       10.8471       359.992       28.8069       9.2065        0.076516
      56.            0.            5.40925       14.8728       15.4936       10.8334       359.992       28.7694       9.1976        0.077593
      57.            0.            5.39568       14.8725       15.4936       10.8216       359.980       28.7400       9.1887        0.078677
      58.            0.            5.38156       14.8722       15.4936       10.8094       359.965       28.7117       9.1898        0.079850
      59.            0.            5.36811       14.8719       15.4936       10.7982       359.948       28.6773       9.1809        0.080900
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60.	0.	5.35505	14.8715	15.4936	10.7869	359.937	28.6417	9.1719	0.081916
61.	0.	5.34245	14.8712	15.4936	10.7753	359.929	28.6049	9.1629	0.082893
62.	0.	5.33042	14.8708	15.4936	10.7633	359.924	28.5657	9.1538	0.083821
63.	0.	5.31852	14.8703	15.4936	10.7515	359.919	28.5263	9.1447	0.084735
64.	0.	5.30684	14.8699	15.4936	10.7400	359.915	28.4932	9.1356	0.085639
65.	0.	5.29455	14.8693	15.4936	10.7282	359.910	28.4629	9.1366	0.086641
66.	0.	5.28294	14.8688	15.4936	10.7173	359.906	28.4272	9.1275	0.087523
67.	0.	5.27134	14.8682	15.4936	10.7067	359.903	28.3899	9.1184	0.088397
68.	0.	5.26057	14.8677	15.4936	10.6938	359.908	28.3528	9.1093	0.089251
69.	0.	5.24992	14.8671	15.4936	10.6802	359.916	28.3101	9.1001	0.090095
70.	0.	5.24006	14.8665	15.4936	10.6673	359.926	28.2656	9.0808	0.090828
71.	0.	5.22942	14.8659	15.4936	10.6539	359.936	28.2209	9.0717	0.091666
72.	0.	5.21950	14.8653	15.4936	10.6414	359.946	28.1761	9.0524	0.092395
73.	0.	5.20875	14.8646	15.4936	10.6286	359.956	28.1322	9.0432	0.093232
74.	0.	5.19873	14.8640	15.4936	10.6167	359.967	28.0882	9.0240	0.093961
75.	0.	5.18796	14.8634	15.4936	10.6042	359.976	28.0448	9.0148	0.094794
76.	0.	5.17794	14.8628	15.4936	10.5927	359.987	28.0014	8.9955	0.095518
77.	0.	5.16712	14.8621	15.4936	10.5808	359.998	27.9586	8.9863	0.096347
78.	0.	5.15695	14.8614	15.4936	10.5701	0.010	27.9158	8.9671	0.097070
79.	0.	5.14593	14.8608	15.4936	10.5590	0.023	27.8736	8.9579	0.097900
80.	0.	5.13564	14.8601	15.4936	10.5490	0.037	27.8313	8.9386	0.098622
81.	0.	5.12472	14.8594	15.4936	10.5381	0.050	27.7888	8.9294	0.099443
82.	0.	5.11457	14.8587	15.4936	10.5281	0.065	27.7462	8.9102	0.100154
83.	0.	5.10378	14.8580	15.4936	10.5172	0.078	27.7038	8.9010	0.100965
84.	0.	5.09373	14.8573	15.4936	10.5072	0.092	27.6613	8.8817	0.101668
85.	0.	5.08287	14.8565	15.4936	10.4969	0.105	27.6197	8.8725	0.102476
86.	0.	5.07271	14.8558	15.4936	10.4877	0.120	27.5782	8.8532	0.103177
87.	0.	5.06179	14.8550	15.4936	10.4778	0.135	27.5371	8.8440	0.103982
88.	0.	5.05161	14.8543	15.4936	10.4690	0.150	27.4961	8.8247	0.104679
89.	0.	5.04068	14.8535	15.4936	10.4596	0.165	27.4555	8.8155	0.105480
90.	0.	5.03049	14.8527	15.4936	10.4513	0.180	27.4142	8.7962	0.106169
91.	0.	5.01950	14.8519	15.4936	10.4426	0.193	27.3730	8.7870	0.106960
92.	0.	5.00928	14.8512	15.4936	10.4350	0.206	27.3314	8.7676	0.107639
93.	0.	4.99843	14.8503	15.4936	10.4268	0.219	27.2960	8.7584	0.108422
94.	0.	4.98752	14.8495	15.4936	10.4188	0.232	27.2571	8.7492	0.109200
95.	0.	4.97734	14.8487	15.4936	10.4117	0.245	27.2172	8.7299	0.109870
96.	0.	4.96650	14.8478	15.4936	10.4038	0.256	27.1772	8.7206	0.110640
97.	0.	4.95798	14.8470	15.4936	10.3920	0.277	27.1354	8.7013	0.111261
98.	0.	4.94874	14.8462	15.4936	10.3794	0.305	27.0964	8.6920	0.111991
99.	0.	4.94036	14.8453	15.4936	10.3675	0.338	27.0591	8.6726	0.112608
100.	0.	4.93080	14.8445	15.4936	10.3561	0.367	27.0231	8.6633	0.113344
101.	0.	4.92198	14.8437	15.4936	10.3458	0.398	26.9861	8.6440	0.113971
102.	0.	4.91240	14.8428	15.4936	10.3347	0.429	26.9494	8.6347	0.114702
103.	0.	4.90341	14.8420	15.4936	10.3246	0.459	26.9067	8.6153	0.115326
104.	0.	4.89440	14.8412	15.4936	10.3145	0.490	26.8626	8.5959	0.115949
105.	0.	4.88537	14.8404	15.4936	10.3045	0.522	26.8181	8.5766	0.116573
106.	0.	4.87632	14.8395	15.4936	10.2944	0.554	26.7737	8.5572	0.117198
107.	0.	4.86724	14.8387	15.4936	10.2844	0.586	26.7292	8.5378	0.117824
108.	0.	4.85817	14.8379	15.4936	10.2745	0.618	26.6850	8.5184	0.118450
109.	0.	4.84913	14.8371	15.4936	10.2645	0.651	26.6411	8.4991	0.119074
110.	0.	4.84005	14.8363	15.4936	10.2546	0.684	26.5970	8.4797	0.119700
111.	0.	4.83096	14.8356	15.4936	10.2447	0.718	26.5531	8.4603	0.120327
112.	0.	4.82187	14.8348	15.4936	10.2349	0.752	26.5093	8.4410	0.120954
113.	0.	4.81274	14.8340	15.4936	10.2251	0.786	26.4654	8.4216	0.121583
114.	0.	4.80360	14.8333	15.4936	10.2154	0.820	26.4214	8.4022	0.122213
115.	0.	4.79487	14.8325	15.4936	10.2045	0.849	26.3772	8.3828	0.122830
116.	0.	4.78627	14.8318	15.4936	10.1932	0.877	26.3329	8.3634	0.123444
117.	0.	4.77767	14.8310	15.4936	10.1818	0.905	26.2886	8.3441	0.124058
118.	0.	4.76905	14.8303	15.4936	10.1704	0.933	26.2445	8.3247	0.124674
119.	0.	4.76038	14.8296	15.4936	10.1592	0.960	26.2001	8.3053	0.125293
120.	0.	4.75167	14.8289	15.4936	10.1480	0.987	26.1558	8.2859	0.125913
121.	0.	4.74293	14.8282	15.4936	10.1369	1.015	26.1117	8.2665	0.126536
122.	0.	4.73415	14.8275	15.4936	10.1259	1.042	26.0677	8.2472	0.127160
123.	0.	4.72569	14.8268	15.4936	10.1134	1.073	26.0239	8.2278	0.127787
124.	0.	4.71728	14.8261	15.4936	10.1006	1.105	25.9804	8.2084	0.128417
125.	0.	4.70891	14.8255	15.4936	10.0877	1.138	25.9369	8.1890	0.129045
126.	0.	4.70045	14.8249	15.4936	10.0750	1.171	25.8942	8.1697	0.129678

127.	0.	4.69194	14.8242	15.4936	10.0624	1.205	25.8519	8.1503	0.130313
128.	0.	4.68336	14.8237	15.4936	10.0500	1.239	25.8101	8.1309	0.130950
129.	0.	4.67467	14.8231	15.4936	10.0378	1.274	25.7688	8.1116	0.131592
130.	0.	4.66584	14.8225	15.4936	10.0256	1.309	25.7231	8.0922	0.132236
131.	0.	4.65781	14.8220	15.4936	10.0141	1.344	25.6749	8.0628	0.132769
132.	0.	4.64899	14.8215	15.4936	10.0017	1.379	25.6315	8.0434	0.133421
133.	0.	4.64012	14.8210	15.4936	9.9895	1.413	25.5896	8.0241	0.134078
134.	0.	4.63117	14.8205	15.4936	9.9774	1.447	25.5484	8.0047	0.134738
135.	0.	4.62204	14.8200	15.4936	9.9656	1.480	25.5025	7.9854	0.135401
136.	0.	4.61358	14.8196	15.4936	9.9551	1.514	25.4592	7.9560	0.135960
137.	0.	4.60356	14.8191	15.4936	9.9430	1.546	25.4237	7.9468	0.136752
138.	0.	4.59429	14.8187	15.4936	9.9323	1.578	25.3895	7.9274	0.137431
139.	0.	4.58420	14.8182	15.4936	9.9208	1.609	25.3571	7.9182	0.138224
140.	0.	4.57477	14.8178	15.4936	9.9105	1.641	25.3196	7.8989	0.138901
141.	0.	4.56533	14.8175	15.4936	9.9005	1.672	25.2857	7.8796	0.139581
142.	0.	4.55510	14.8171	15.4936	9.8898	1.704	25.2542	7.8704	0.140374
143.	0.	4.54565	14.8167	15.4936	9.8801	1.735	25.2224	7.8511	0.141052
144.	0.	4.53539	14.8164	15.4936	9.8698	1.766	25.1921	7.8418	0.141842
145.	0.	4.52583	14.8160	15.4936	9.8605	1.797	25.1565	7.8225	0.142516
146.	0.	4.51619	14.8157	15.4936	9.8513	1.828	25.1194	7.8032	0.143190
147.	0.	4.50651	14.8154	15.4936	9.8423	1.859	25.0820	7.7839	0.143866
148.	0.	4.49688	14.8152	15.4936	9.8330	1.890	25.0442	7.7645	0.144541
149.	0.	4.48733	14.8149	15.4936	9.8236	1.922	25.0060	7.7452	0.145213
150.	0.	4.47771	14.8146	15.4936	9.8142	1.954	24.9681	7.7259	0.145890
151.	0.	4.46811	14.8144	15.4936	9.8048	1.989	24.9299	7.7066	0.146569
152.	0.	4.45851	14.8142	15.4936	9.7953	2.024	24.8920	7.6872	0.147248
153.	0.	4.44902	14.8140	15.4936	9.7855	2.061	24.8543	7.6679	0.147924
154.	0.	4.43947	14.8137	15.4936	9.7758	2.098	24.8169	7.6486	0.148605
155.	0.	4.42988	14.8136	15.4936	9.7661	2.138	24.7805	7.6293	0.149291
156.	0.	4.42020	14.8134	15.4936	9.7566	2.179	24.7449	7.6100	0.149984
157.	0.	4.41049	14.8132	15.4936	9.7471	2.220	24.7097	7.5907	0.150680
158.	0.	4.40075	14.8131	15.4936	9.7376	2.261	24.6749	7.5714	0.151378
159.	0.	4.39096	14.8129	15.4936	9.7283	2.303	24.6407	7.5521	0.152081
160.	0.	4.38116	14.8128	15.4936	9.7189	2.346	24.6071	7.5328	0.152784
161.	0.	4.37141	14.8127	15.4936	9.7094	2.391	24.5744	7.5135	0.153488
162.	0.	4.36165	14.8126	15.4936	9.6999	2.435	24.5420	7.4942	0.154192
163.	0.	4.35189	14.8125	15.4936	9.6904	2.480	24.5100	7.4749	0.154898
164.	0.	4.34212	14.8124	15.4936	9.6809	2.525	24.4785	7.4556	0.155604
165.	0.	4.33236	14.8124	15.4936	9.6713	2.571	24.4471	7.4363	0.156311
166.	0.	4.32261	14.8123	15.4936	9.6618	2.616	24.4161	7.4170	0.157018
167.	0.	4.31285	14.8123	15.4936	9.6522	2.662	24.3855	7.3977	0.157725
168.	0.	4.30310	14.8123	15.4936	9.6426	2.708	24.3552	7.3784	0.158433
169.	0.	4.29334	14.8122	15.4936	9.6330	2.755	24.3252	7.3591	0.159142
170.	0.	4.28357	14.8122	15.4936	9.6234	2.801	24.2954	7.3399	0.159852
171.	0.	4.27369	14.8122	15.4936	9.6138	2.847	24.2610	7.3206	0.160563
172.	0.	4.26446	14.8123	15.4936	9.6055	2.893	24.2240	7.2912	0.161163
173.	0.	4.25449	14.8123	15.4936	9.5959	2.939	24.1924	7.2719	0.161886
174.	0.	4.24452	14.8124	15.4936	9.5865	2.985	24.1623	7.2526	0.162611
175.	0.	4.23448	14.8124	15.4936	9.5772	3.030	24.1321	7.2333	0.163340
176.	0.	4.22423	14.8125	15.4936	9.5682	3.071	24.0963	7.2141	0.164072
177.	0.	4.21463	14.8126	15.4936	9.5605	3.113	24.0578	7.1847	0.164693
178.	0.	4.20428	14.8126	15.4936	9.5516	3.154	24.0251	7.1654	0.165439
179.	0.	4.19392	14.8127	15.4936	9.5428	3.195	23.9939	7.1462	0.166187
180.	0.	4.18353	14.8128	15.4936	9.5340	3.235	23.9631	7.1269	0.166937
181.	0.	4.17293	14.8129	15.4936	9.5258	3.271	23.9311	7.1077	0.167696
182.	0.	4.16215	14.8130	15.4936	9.5178	3.305	23.8935	7.0885	0.168458
183.	0.	4.15199	14.8132	15.4936	9.5112	3.340	23.8527	7.0591	0.169109
184.	0.	4.14112	14.8133	15.4936	9.5033	3.374	23.8173	7.0399	0.169883
185.	0.	4.13023	14.8135	15.4936	9.4955	3.408	23.7833	7.0207	0.170658
186.	0.	4.11934	14.8136	15.4936	9.4878	3.441	23.7496	7.0014	0.171435
187.	0.	4.10843	14.8138	15.4936	9.4802	3.474	23.7160	6.9822	0.172212
188.	0.	4.09743	14.8140	15.4936	9.4726	3.505	23.6776	6.9630	0.172989
189.	0.	4.08703	14.8142	15.4936	9.4665	3.536	23.6355	6.9337	0.173654
190.	0.	4.07587	14.8144	15.4936	9.4592	3.565	23.5981	6.9144	0.174444
191.	0.	4.06471	14.8145	15.4936	9.4520	3.594	23.5620	6.8952	0.175235
192.	0.	4.05354	14.8147	15.4936	9.4449	3.623	23.5265	6.8760	0.176027
193.	0.	4.04228	14.8150	15.4936	9.4379	3.650	23.4864	6.8568	0.176818

194.	0.	4.03165	14.8152	15.4936	9.4323	3.677	23.4429	6.8275	0.177497
195.	0.	4.02032	14.8154	15.4936	9.4253	3.704	23.4052	6.8083	0.178299
196.	0.	4.00898	14.8157	15.4936	9.4185	3.731	23.3688	6.7891	0.179102
197.	0.	3.99757	14.8159	15.4936	9.4119	3.756	23.3324	6.7699	0.179909
198.	0.	3.98618	14.8161	15.4936	9.4053	3.781	23.2965	6.7507	0.180715
199.	0.	3.97479	14.8164	15.4936	9.3988	3.806	23.2604	6.7315	0.181520
200.	0.	3.96353	14.8167	15.4936	9.3919	3.829	23.2244	6.7123	0.182321
201.	0.	3.95229	14.8169	15.4936	9.3850	3.851	23.1884	6.6931	0.183120
202.	0.	3.94132	14.8172	15.4936	9.3773	3.876	23.1529	6.6739	0.183912
203.	0.	3.93044	14.8175	15.4936	9.3692	3.901	23.1176	6.6547	0.184703
204.	0.	3.91951	14.8178	15.4936	9.3610	3.926	23.0779	6.6355	0.185492
205.	0.	3.90915	14.8181	15.4936	9.3544	3.949	23.0350	6.6062	0.186172
206.	0.	3.89814	14.8184	15.4936	9.3462	3.974	22.9977	6.5870	0.186973
207.	0.	3.88714	14.8187	15.4936	9.3381	3.998	22.9621	6.5678	0.187776
208.	0.	3.87616	14.8190	15.4936	9.3299	4.023	22.9271	6.5486	0.188578
209.	0.	3.86512	14.8193	15.4936	9.3218	4.046	22.8878	6.5294	0.189378
210.	0.	3.85464	14.8197	15.4936	9.3153	4.069	22.8450	6.5001	0.190069
211.	0.	3.84347	14.8200	15.4936	9.3074	4.094	22.8081	6.4809	0.190882
212.	0.	3.83229	14.8204	15.4936	9.2996	4.117	22.7726	6.4617	0.191698
213.	0.	3.82104	14.8207	15.4936	9.2918	4.141	22.7331	6.4425	0.192513
214.	0.	3.81029	14.8211	15.4936	9.2859	4.163	22.6899	6.4132	0.193221
215.	0.	3.79891	14.8215	15.4936	9.2783	4.186	22.6529	6.3940	0.194049
216.	0.	3.78743	14.8218	15.4936	9.2712	4.210	22.6180	6.3749	0.194883
217.	0.	3.77580	14.8222	15.4936	9.2644	4.231	22.5794	6.3557	0.195719
218.	0.	3.76481	14.8226	15.4936	9.2590	4.253	22.5365	6.3264	0.196442
219.	0.	3.75325	14.8230	15.4936	9.2519	4.275	22.4995	6.3073	0.197282
220.	0.	3.74163	14.8234	15.4936	9.2451	4.297	22.4639	6.2881	0.198125
221.	0.	3.72994	14.8238	15.4936	9.2383	4.317	22.4239	6.2690	0.198967
222.	0.	3.71883	14.8243	15.4936	9.2332	4.337	22.3805	6.2397	0.199699
223.	0.	3.70715	14.8247	15.4936	9.2264	4.359	22.3430	6.2205	0.200547
224.	0.	3.69540	14.8251	15.4936	9.2196	4.379	22.3022	6.2014	0.201396
225.	0.	3.68418	14.8256	15.4936	9.2147	4.399	22.2582	6.1721	0.202137
226.	0.	3.67237	14.8260	15.4936	9.2081	4.420	22.2205	6.1530	0.202995
227.	0.	3.66055	14.8264	15.4936	9.2016	4.441	22.1842	6.1339	0.203855
228.	0.	3.64865	14.8269	15.4936	9.1953	4.460	22.1434	6.1147	0.204713
229.	0.	3.63729	14.8274	15.4936	9.1908	4.478	22.0993	6.0855	0.205464
230.	0.	3.62539	14.8278	15.4936	9.1844	4.498	22.0613	6.0663	0.206330
231.	0.	3.61351	14.8283	15.4936	9.1781	4.518	22.0249	6.0472	0.207195
232.	0.	3.60158	14.8288	15.4936	9.1718	4.537	21.9841	6.0281	0.208059
233.	0.	3.59015	14.8293	15.4936	9.1675	4.555	21.9400	5.9988	0.208816
234.	0.	3.57818	14.8297	15.4936	9.1613	4.574	21.9019	5.9797	0.209688
235.	0.	3.56623	14.8302	15.4936	9.1551	4.593	21.8654	5.9606	0.210560
236.	0.	3.55437	14.8307	15.4936	9.1490	4.613	21.8344	5.9414	0.211431
237.	0.	3.54205	14.8312	15.4936	9.1411	4.634	21.8070	5.9324	0.212405
238.	0.	3.53036	14.8317	15.4936	9.1352	4.655	21.7788	5.9133	0.213263
239.	0.	3.51820	14.8322	15.4936	9.1275	4.675	21.7529	5.9042	0.214222
240.	0.	3.50664	14.8327	15.4936	9.1218	4.695	21.7255	5.8851	0.215066
241.	0.	3.49461	14.8331	15.4936	9.1142	4.715	21.7003	5.8760	0.216011
242.	0.	3.48319	14.8336	15.4936	9.1087	4.734	21.6736	5.8568	0.216843
243.	0.	3.47130	14.8341	15.4936	9.1013	4.753	21.6489	5.8478	0.217774
244.	0.	3.46002	14.8346	15.4936	9.0960	4.771	21.6227	5.8286	0.218590
245.	0.	3.44826	14.8351	15.4936	9.0888	4.790	21.5983	5.8195	0.219508
246.	0.	3.43707	14.8357	15.4936	9.0838	4.807	21.5726	5.8003	0.220314
247.	0.	3.42540	14.8362	15.4936	9.0768	4.825	21.5489	5.7912	0.221222
248.	0.	3.41433	14.8367	15.4936	9.0720	4.843	21.5233	5.7720	0.222016
249.	0.	3.40278	14.8372	15.4936	9.0652	4.860	21.4996	5.7629	0.222911
250.	0.	3.39183	14.8377	15.4936	9.0605	4.877	21.4742	5.7437	0.223693
251.	0.	3.38039	14.8383	15.4936	9.0539	4.895	21.4508	5.7346	0.224576
252.	0.	3.36955	14.8388	15.4936	9.0495	4.911	21.4256	5.7153	0.225347
253.	0.	3.35821	14.8393	15.4936	9.0431	4.928	21.4023	5.7062	0.226218
254.	0.	3.34748	14.8399	15.4936	9.0388	4.944	21.3770	5.6870	0.226978
255.	0.	3.33626	14.8404	15.4936	9.0326	4.960	21.3537	5.6778	0.227838
256.	0.	3.32563	14.8410	15.4936	9.0285	4.976	21.3285	5.6586	0.228587
257.	0.	3.31450	14.8416	15.4936	9.0225	4.992	21.3053	5.6494	0.229437
258.	0.	3.30395	14.8422	15.4936	9.0186	5.007	21.2803	5.6302	0.230177
259.	0.	3.29290	14.8427	15.4936	9.0128	5.023	21.2569	5.6210	0.231018
260.	0.	3.28245	14.8433	15.4936	9.0091	5.038	21.2322	5.6017	0.231748

261.	0.	3.27153	14.8439	15.4936	9.0034	5.053	21.2094	5.5926	0.232577
262.	0.	3.26119	14.8445	15.4936	8.9998	5.067	21.1847	5.5733	0.233298
263.	0.	3.25044	14.8451	15.4936	8.9942	5.084	21.1671	5.5641	0.234118
264.	0.	3.23975	14.8457	15.4936	8.9886	5.099	21.1464	5.5549	0.234928
265.	0.	3.22960	14.8463	15.4936	8.9853	5.112	21.1218	5.5356	0.235630
266.	0.	3.21905	14.8469	15.4936	8.9799	5.128	21.1047	5.5264	0.236431
267.	0.	3.20861	14.8475	15.4936	8.9747	5.144	21.0893	5.5172	0.237224
268.	0.	3.19831	14.8482	15.4936	8.9695	5.161	21.0791	5.5080	0.238008
269.	0.	3.18753	14.8487	15.4936	8.9628	5.180	21.0726	5.5089	0.238888
270.	0.	3.17729	14.8494	15.4936	8.9584	5.198	21.0599	5.4997	0.239656
271.	0.	3.16711	14.8500	15.4936	8.9542	5.216	21.0458	5.4904	0.240416
272.	0.	3.15709	14.8506	15.4936	8.9501	5.235	21.0362	5.4812	0.241166
273.	0.	3.14674	14.8512	15.4936	8.9440	5.255	21.0302	5.4820	0.242002
274.	0.	3.13699	14.8518	15.4936	8.9400	5.272	21.0179	5.4727	0.242723
275.	0.	3.12732	14.8524	15.4936	8.9361	5.289	21.0038	5.4634	0.243436
276.	0.	3.11780	14.8531	15.4936	8.9322	5.306	20.9944	5.4541	0.244140
277.	0.	3.10794	14.8537	15.4936	8.9264	5.326	20.9886	5.4549	0.244929
278.	0.	3.09867	14.8543	15.4936	8.9226	5.342	20.9764	5.4456	0.245607
279.	0.	3.08949	14.8549	15.4936	8.9189	5.358	20.9629	5.4363	0.246275
280.	0.	3.08047	14.8555	15.4936	8.9152	5.375	20.9543	5.4269	0.246936
281.	0.	3.07109	14.8561	15.4936	8.9094	5.394	20.9490	5.4277	0.247682
282.	0.	3.06229	14.8568	15.4936	8.9058	5.409	20.9371	5.4183	0.248318
283.	0.	3.05356	14.8574	15.4936	8.9023	5.424	20.9237	5.4089	0.248947
284.	0.	3.04496	14.8580	15.4936	8.8987	5.439	20.9148	5.3996	0.249570
285.	0.	3.03598	14.8586	15.4936	8.8932	5.457	20.9095	5.4003	0.250278
286.	0.	3.02755	14.8593	15.4936	8.8899	5.471	20.8978	5.3909	0.250881
287.	0.	3.01917	14.8599	15.4936	8.8867	5.485	20.8846	5.3815	0.251477
288.	0.	3.01090	14.8605	15.4936	8.8835	5.500	20.8759	5.3721	0.252068
289.	0.	3.00227	14.8611	15.4936	8.8783	5.517	20.8709	5.3727	0.252744
290.	0.	2.99419	14.8617	15.4936	8.8752	5.531	20.8594	5.3633	0.253315
291.	0.	2.98615	14.8624	15.4936	8.8722	5.544	20.8463	5.3539	0.253881
292.	0.	2.97821	14.8630	15.4936	8.8693	5.558	20.8380	5.3444	0.254442
293.	0.	2.96992	14.8636	15.4936	8.8642	5.574	20.8332	5.3451	0.255087
294.	0.	2.96217	14.8642	15.4936	8.8614	5.587	20.8218	5.3356	0.255630
295.	0.	2.95447	14.8648	15.4936	8.8585	5.600	20.8089	5.3262	0.256167
296.	0.	2.94687	14.8654	15.4936	8.8557	5.614	20.8006	5.3167	0.256700
297.	0.	2.93884	14.8660	15.4936	8.8508	5.627	20.7908	5.3173	0.257316
298.	0.	2.93175	14.8667	15.4936	8.8502	5.637	20.7705	5.2977	0.257744
299.	0.	2.92420	14.8673	15.4936	8.8476	5.648	20.7551	5.2883	0.258264
300.	0.	2.91671	14.8679	15.4936	8.8450	5.659	20.7406	5.2788	0.258781
301.	0.	2.90927	14.8686	15.4936	8.8424	5.670	20.7264	5.2693	0.259294
302.	0.	2.90193	14.8692	15.4936	8.8398	5.683	20.7173	5.2598	0.259803
303.	0.	2.89422	14.8698	15.4936	8.8351	5.697	20.7123	5.2604	0.260397
304.	0.	2.88706	14.8704	15.4936	8.8325	5.708	20.7002	5.2509	0.260890
305.	0.	2.87994	14.8710	15.4936	8.8299	5.719	20.6865	5.2414	0.261378
306.	0.	2.87291	14.8716	15.4936	8.8273	5.732	20.6774	5.2319	0.261864
307.	0.	2.86550	14.8722	15.4936	8.8226	5.745	20.6720	5.2324	0.262433
308.	0.	2.85860	14.8729	15.4936	8.8201	5.756	20.6599	5.2229	0.262904
309.	0.	2.85173	14.8735	15.4936	8.8176	5.766	20.6462	5.2134	0.263371
310.	0.	2.84494	14.8741	15.4936	8.8152	5.778	20.6370	5.2038	0.263836
311.	0.	2.83777	14.8747	15.4936	8.8106	5.791	20.6315	5.2044	0.264384
312.	0.	2.83110	14.8753	15.4936	8.8082	5.802	20.6193	5.1948	0.264836
313.	0.	2.82446	14.8759	15.4936	8.8058	5.811	20.6055	5.1853	0.265284
314.	0.	2.81789	14.8765	15.4936	8.8035	5.822	20.5962	5.1757	0.265730
315.	0.	2.81093	14.8771	15.4936	8.7990	5.835	20.5906	5.1763	0.266260
316.	0.	2.80448	14.8777	15.4936	8.7968	5.845	20.5783	5.1667	0.266693
317.	0.	2.79804	14.8783	15.4936	8.7946	5.854	20.5643	5.1571	0.267124
318.	0.	2.79168	14.8789	15.4936	8.7924	5.865	20.5548	5.1476	0.267553
319.	0.	2.78492	14.8795	15.4936	8.7881	5.877	20.5490	5.1481	0.268066
320.	0.	2.77867	14.8801	15.4936	8.7859	5.886	20.5365	5.1385	0.268482
321.	0.	2.77242	14.8807	15.4936	8.7839	5.894	20.5223	5.1289	0.268898
322.	0.	2.76624	14.8813	15.4936	8.7818	5.905	20.5127	5.1193	0.269311
323.	0.	2.75965	14.8818	15.4936	8.7776	5.916	20.5067	5.1198	0.269808
324.	0.	2.75358	14.8824	15.4936	8.7756	5.925	20.4939	5.1102	0.270210
325.	0.	2.74749	14.8830	15.4936	8.7737	5.933	20.4793	5.1006	0.270610
326.	0.	2.74149	14.8836	15.4936	8.7718	5.942	20.4694	5.0910	0.271010
327.	0.	2.73506	14.8842	15.4936	8.7677	5.953	20.4631	5.0915	0.271492

328.	0.	2.72916	14.8848	15.4936	8.7659	5.961	20.4500	5.0819	0.271880
329.	0.	2.72323	14.8854	15.4936	8.7641	5.969	20.4351	5.0723	0.272267
330.	0.	2.71732	14.8860	15.4936	8.7624	5.976	20.4195	5.0627	0.272653
331.	0.	2.71130	14.8865	15.4936	8.7607	5.979	20.3929	5.0530	0.273036
332.	0.	2.70600	14.8872	15.4936	8.7637	5.974	20.3472	5.0233	0.273251
333.	0.	2.70056	14.8879	15.4936	8.7667	5.970	20.3013	4.9935	0.273477
334.	0.	2.69452	14.8885	15.4936	8.7675	5.966	20.2570	4.9738	0.273800
335.	0.	2.68886	14.8892	15.4936	8.7706	5.962	20.2103	4.9440	0.274045
336.	0.	2.68258	14.8899	15.4936	8.7714	5.958	20.1652	4.9244	0.274388
337.	0.	2.67669	14.8906	15.4936	8.7745	5.953	20.1179	4.8947	0.274651
338.	0.	2.67018	14.8913	15.4936	8.7753	5.949	20.0719	4.8750	0.275014
339.	0.	2.66407	14.8920	15.4936	8.7784	5.945	20.0235	4.8453	0.275295
340.	0.	2.65732	14.8927	15.4936	8.7792	5.941	19.9767	4.8257	0.275679
341.	0.	2.65097	14.8935	15.4936	8.7824	5.936	19.9275	4.7960	0.275980
342.	0.	2.64399	14.8942	15.4936	8.7833	5.931	19.8796	4.7764	0.276385
343.	0.	2.63735	14.8950	15.4936	8.7865	5.924	19.8239	4.7467	0.276706
344.	0.	2.63059	14.8958	15.4936	8.7898	5.919	19.7713	4.7170	0.277040
345.	0.	2.62319	14.8965	15.4936	8.7907	5.914	19.7214	4.6975	0.277482
346.	0.	2.61621	14.8974	15.4936	8.7940	5.908	19.6696	4.6678	0.277837
347.	0.	2.60857	14.8982	15.4936	8.7950	5.903	19.6197	4.6483	0.278300
348.	0.	2.60139	14.8990	15.4936	8.7983	5.897	19.5674	4.6187	0.278674
349.	0.	2.59352	14.8998	15.4936	8.7993	5.892	19.5166	4.5992	0.279159
350.	0.	2.58611	14.9007	15.4936	8.8027	5.886	19.4634	4.5696	0.279553
351.	0.	2.57801	14.9015	15.4936	8.8037	5.880	19.4118	4.5501	0.280059
352.	0.	2.57039	14.9024	15.4936	8.8071	5.874	19.3577	4.5205	0.280474
353.	0.	2.56206	14.9033	15.4936	8.8082	5.868	19.3054	4.5010	0.281002
354.	0.	2.55418	14.9042	15.4936	8.8117	5.860	19.2449	4.4714	0.281435
355.	0.	2.54615	14.9051	15.4936	8.8152	5.853	19.1875	4.4419	0.281886
356.	0.	2.53733	14.9060	15.4936	8.8164	5.850	19.1297	4.4225	0.282457
357.	0.	2.52913	14.9069	15.4936	8.8199	5.843	19.0737	4.3929	0.282927
358.	0.	2.52018	14.9079	15.4936	8.8211	5.837	19.0193	4.3735	0.283515
359.	0.	2.51178	14.9088	15.4936	8.8247	5.831	18.9627	4.3440	0.284005
360.	0.	2.50262	14.9098	15.4936	8.8260	5.825	18.9076	4.3246	0.284615
361.	0.	2.49407	14.9108	15.4936	8.8297	5.820	18.8559	4.2951	0.285125
362.	0.	2.48430	14.9117	15.4936	8.8287	5.824	18.8268	4.2859	0.285865
363.	0.	2.47408	14.9126	15.4936	8.8255	5.831	18.8065	4.2867	0.286700
364.	0.	2.46474	14.9135	15.4936	8.8245	5.838	18.7870	4.2774	0.287408
365.	0.	2.45491	14.9144	15.4936	8.8214	5.847	18.7705	4.2782	0.288210
366.	0.	2.44589	14.9153	15.4936	8.8204	5.852	18.7470	4.2689	0.288886
367.	0.	2.43701	14.9162	15.4936	8.8196	5.858	18.7277	4.2596	0.289552
368.	0.	2.42763	14.9171	15.4936	8.8165	5.866	18.7118	4.2603	0.290313
369.	0.	2.41909	14.9179	15.4936	8.8156	5.873	18.6949	4.2510	0.290950
370.	0.	2.41003	14.9188	15.4936	8.8125	5.882	18.6804	4.2517	0.291681
371.	0.	2.40180	14.9196	15.4936	8.8117	5.889	18.6642	4.2423	0.292291
372.	0.	2.39304	14.9204	15.4936	8.8087	5.897	18.6502	4.2430	0.292995
373.	0.	2.38510	14.9213	15.4936	8.8080	5.904	18.6345	4.2336	0.293580
374.	0.	2.37663	14.9221	15.4936	8.8050	5.912	18.6209	4.2343	0.294258
375.	0.	2.36896	14.9229	15.4936	8.8043	5.919	18.6057	4.2248	0.294818
376.	0.	2.36074	14.9237	15.4936	8.8014	5.926	18.5925	4.2255	0.295472
377.	0.	2.35333	14.9245	15.4936	8.8008	5.933	18.5776	4.2160	0.296011
378.	0.	2.34536	14.9252	15.4936	8.7979	5.941	18.5648	4.2166	0.296643
379.	0.	2.33814	14.9260	15.4936	8.7974	5.945	18.5446	4.2072	0.297160
380.	0.	2.33099	14.9268	15.4936	8.7968	5.951	18.5280	4.1977	0.297673
381.	0.	2.32330	14.9275	15.4936	8.7941	5.958	18.5148	4.1983	0.298280
382.	0.	2.31643	14.9283	15.4936	8.7933	5.964	18.5003	4.1888	0.298773
383.	0.	2.30900	14.9290	15.4936	8.7904	5.971	18.4879	4.1894	0.299359
384.	0.	2.30235	14.9297	15.4936	8.7896	5.977	18.4738	4.1798	0.299834
385.	0.	2.29513	14.9305	15.4936	8.7866	5.983	18.4617	4.1804	0.300402
386.	0.	2.28886	14.9312	15.4936	8.7849	5.990	18.4473	4.1709	0.300853
387.	0.	2.28208	14.9319	15.4936	8.7806	5.999	18.4347	4.1714	0.301396
388.	0.	2.27607	14.9326	15.4936	8.7784	6.007	18.4204	4.1618	0.301830
389.	0.	2.26952	14.9333	15.4936	8.7740	6.018	18.4142	4.1624	0.302358
390.	0.	2.26313	14.9340	15.4936	8.7695	6.030	18.4105	4.1629	0.302874
391.	0.	2.25687	14.9346	15.4936	8.7651	6.042	18.4077	4.1634	0.303379
392.	0.	2.25066	14.9353	15.4936	8.7607	6.050	18.3934	4.1639	0.303871
393.	0.	2.24567	14.9360	15.4936	8.7608	6.050	18.3604	4.1442	0.304161
394.	0.	2.24056	14.9367	15.4936	8.7610	6.047	18.3218	4.1245	0.304459

395.	0.	2.23532	14.9374	15.4936	8.7613	6.045	18.2811	4.1048	0.304765
396.	0.	2.23003	14.9381	15.4936	8.7616	6.044	18.2453	4.0851	0.305081
397.	0.	2.22403	14.9388	15.4936	8.7596	6.045	18.2129	4.0755	0.305501
398.	0.	2.21861	14.9395	15.4936	8.7600	6.043	18.1733	4.0558	0.305825
399.	0.	2.21308	14.9403	15.4936	8.7604	6.041	18.1315	4.0362	0.306157
400.	0.	2.20744	14.9410	15.4936	8.7610	6.038	18.0886	4.0165	0.306498
401.	0.	2.20173	14.9418	15.4936	8.7616	6.037	18.0508	3.9968	0.306848
402.	0.	2.19531	14.9425	15.4936	8.7599	6.038	18.0165	3.9873	0.307305
403.	0.	2.18949	14.9432	15.4936	8.7606	6.036	17.9749	3.9677	0.307663
404.	0.	2.18357	14.9440	15.4936	8.7613	6.033	17.9312	3.9480	0.308028
405.	0.	2.17753	14.9448	15.4936	8.7622	6.030	17.8865	3.9284	0.308403
406.	0.	2.17144	14.9456	15.4936	8.7631	6.029	17.8470	3.9088	0.308787
407.	0.	2.16461	14.9463	15.4936	8.7617	6.030	17.8110	3.8993	0.309280
408.	0.	2.15842	14.9471	15.4936	8.7627	6.028	17.7678	3.8797	0.309670
409.	0.	2.15212	14.9479	15.4936	8.7638	6.025	17.7225	3.8601	0.310069
410.	0.	2.14576	14.9487	15.4936	8.7650	6.024	17.6824	3.8405	0.310477
411.	0.	2.13866	14.9495	15.4936	8.7639	6.025	17.6454	3.8310	0.310995
412.	0.	2.13221	14.9503	15.4936	8.7652	6.023	17.6014	3.8114	0.311409
413.	0.	2.12566	14.9511	15.4936	8.7665	6.020	17.5554	3.7918	0.311830
414.	0.	2.11904	14.9519	15.4936	8.7680	6.019	17.5139	3.7723	0.312261
415.	0.	2.11167	14.9527	15.4936	8.7673	6.020	17.4758	3.7628	0.312804
416.	0.	2.10497	14.9535	15.4936	8.7689	6.017	17.4304	3.7432	0.313239
417.	0.	2.09818	14.9544	15.4936	8.7706	6.014	17.3827	3.7237	0.313683
418.	0.	2.09132	14.9552	15.4936	8.7724	6.013	17.3400	3.7041	0.314135
419.	0.	2.08370	14.9560	15.4936	8.7719	6.013	17.3006	3.6947	0.314702
420.	0.	2.07678	14.9568	15.4936	8.7739	6.011	17.2541	3.6752	0.315159
421.	0.	2.06975	14.9577	15.4936	8.7760	6.007	17.2054	3.6556	0.315623
422.	0.	2.06267	14.9585	15.4936	8.7781	6.006	17.1615	3.6361	0.316097
423.	0.	2.05480	14.9594	15.4936	8.7781	6.006	17.1208	3.6267	0.316686
424.	0.	2.04766	14.9602	15.4936	8.7805	6.003	17.0731	3.6072	0.317164
425.	0.	2.04042	14.9611	15.4936	8.7829	6.000	17.0231	3.5876	0.317649
426.	0.	2.03309	14.9620	15.4936	8.7855	5.996	16.9719	3.5681	0.318142
427.	0.	2.02571	14.9628	15.4936	8.7881	5.995	16.9261	3.5486	0.318644
428.	0.	2.01755	14.9637	15.4936	8.7885	5.995	16.8837	3.5393	0.319262
429.	0.	2.01014	14.9646	15.4936	8.7912	5.992	16.8342	3.5198	0.319766
430.	0.	2.00268	14.9654	15.4936	8.7941	5.991	16.7886	3.5003	0.320277
431.	0.	1.99442	14.9663	15.4936	8.7946	5.990	16.7456	3.4909	0.320906
432.	0.	1.98693	14.9672	15.4936	8.7976	5.987	16.6955	3.4714	0.321419
433.	0.	1.97939	14.9681	15.4936	8.8006	5.986	16.6492	3.4519	0.321939
434.	0.	1.97106	14.9689	15.4936	8.8013	5.986	16.6058	3.4426	0.322577
435.	0.	1.96350	14.9698	15.4936	8.8044	5.983	16.5553	3.4231	0.323098
436.	0.	1.95587	14.9707	15.4936	8.8076	5.979	16.5024	3.4036	0.323626
437.	0.	1.94820	14.9716	15.4936	8.8108	5.978	16.4545	3.3842	0.324162
438.	0.	1.93974	14.9725	15.4936	8.8116	5.978	16.4097	3.3748	0.324816
439.	0.	1.93207	14.9734	15.4936	8.8148	5.974	16.3578	3.3554	0.325351
440.	0.	1.92437	14.9743	15.4936	8.8181	5.973	16.3097	3.3359	0.325894
441.	0.	1.91586	14.9752	15.4936	8.8190	5.973	16.2643	3.3266	0.326555
442.	0.	1.90815	14.9761	15.4936	8.8223	5.970	16.2116	3.3071	0.327097
443.	0.	1.90041	14.9770	15.4936	8.8256	5.969	16.1626	3.2876	0.327646
444.	0.	1.89185	14.9778	15.4936	8.8266	5.969	16.1165	3.2783	0.328315
445.	0.	1.88411	14.9787	15.4936	8.8300	5.966	16.0630	3.2589	0.328863
446.	0.	1.87629	14.9796	15.4936	8.8335	5.961	16.0070	3.2394	0.329418
447.	0.	1.86844	14.9805	15.4936	8.8371	5.960	15.9563	3.2200	0.329981
448.	0.	1.85976	14.9814	15.4936	8.8382	5.959	15.9087	3.2107	0.330665
449.	0.	1.85191	14.9823	15.4936	8.8418	5.956	15.8539	3.1912	0.331227
450.	0.	1.84403	14.9832	15.4936	8.8455	5.955	15.8031	3.1718	0.331797
451.	0.	1.83532	14.9841	15.4936	8.8467	5.954	15.7552	3.1625	0.332487
452.	0.	1.82745	14.9850	15.4936	8.8504	5.951	15.6998	3.1431	0.333055
453.	0.	1.81955	14.9859	15.4936	8.8541	5.949	15.6486	3.1236	0.333630
454.	0.	1.81081	14.9868	15.4936	8.8554	5.949	15.6000	3.1143	0.334327
455.	0.	1.80292	14.9877	15.4936	8.8592	5.945	15.5442	3.0949	0.334900
456.	0.	1.79496	14.9886	15.4936	8.8631	5.941	15.4859	3.0755	0.335480
457.	0.	1.78694	14.9895	15.4936	8.8669	5.936	15.4269	3.0561	0.336068
458.	0.	1.77882	14.9904	15.4936	8.8708	5.929	15.3613	3.0367	0.336662
459.	0.	1.77136	14.9913	15.4936	8.8774	5.914	15.2788	3.0071	0.337146
460.	0.	1.76447	14.9923	15.4936	8.8865	5.901	15.1948	2.9675	0.337536
461.	0.	1.75570	14.9932	15.4936	8.8906	5.903	15.1452	2.9482	0.338213

462.	0.	1.74451	14.9941	15.4936	8.8871	5.913	15.1183	2.9593	0.339259
463.	0.	1.73536	14.9950	15.4936	8.8888	5.919	15.0818	2.9500	0.340017
464.	0.	1.72633	14.9958	15.4936	8.8905	5.921	15.0371	2.9408	0.340760
465.	0.	1.71818	14.9967	15.4936	8.8947	5.916	14.9754	2.9214	0.341371
466.	0.	1.71077	14.9976	15.4936	8.9016	5.908	14.9065	2.8919	0.341868
467.	0.	1.70231	14.9985	15.4936	8.9060	5.902	14.8434	2.8725	0.342512
468.	0.	1.69378	14.9994	15.4936	8.9105	5.897	14.7819	2.8532	0.343167
469.	0.	1.68523	15.0003	15.4936	8.9150	5.896	14.7269	2.8338	0.343829
470.	0.	1.67582	15.0012	15.4936	8.9169	5.896	14.6756	2.8246	0.344619
471.	0.	1.66737	15.0021	15.4936	8.9213	5.896	14.6235	2.8053	0.345277
472.	0.	1.65812	15.0029	15.4936	8.9231	5.903	14.5860	2.7961	0.346062
473.	0.	1.64815	15.0038	15.4936	8.9221	5.905	14.5418	2.7970	0.346950
474.	0.	1.64091	15.0046	15.4936	8.9290	5.899	14.4781	2.7674	0.347448
475.	0.	1.63263	15.0055	15.4936	8.9333	5.894	14.4162	2.7481	0.348092
476.	0.	1.62430	15.0064	15.4936	8.9376	5.890	14.3547	2.7287	0.348740
477.	0.	1.61592	15.0072	15.4936	8.9418	5.886	14.2928	2.7094	0.349398
478.	0.	1.60747	15.0081	15.4936	8.9459	5.882	14.2306	2.6901	0.350064
479.	0.	1.59897	15.0090	15.4936	8.9501	5.877	14.1681	2.6707	0.350738
480.	0.	1.59045	15.0098	15.4936	8.9542	5.876	14.1118	2.6514	0.351420
481.	0.	1.58101	15.0107	15.4936	8.9556	5.877	14.0590	2.6422	0.352234
482.	0.	1.57257	15.0115	15.4936	8.9598	5.877	14.0058	2.6229	0.352913
483.	0.	1.56326	15.0123	15.4936	8.9612	5.881	13.9607	2.6137	0.353721
484.	0.	1.55411	15.0132	15.4936	8.9625	5.886	13.9182	2.6045	0.354515
485.	0.	1.54506	15.0140	15.4936	8.9639	5.884	13.8638	2.5953	0.355293
486.	0.	1.53786	15.0148	15.4936	8.9706	5.881	13.8025	2.5658	0.355812
487.	0.	1.52879	15.0156	15.4936	8.9719	5.891	13.7691	2.5566	0.356608
488.	0.	1.51816	15.0163	15.4936	8.9678	5.905	13.7472	2.5676	0.357635
489.	0.	1.50971	15.0171	15.4936	8.9690	5.909	13.7053	2.5584	0.358360
490.	0.	1.50223	15.0178	15.4936	8.9729	5.906	13.6503	2.5389	0.358949
491.	0.	1.49471	15.0186	15.4936	8.9767	5.905	13.5977	2.5195	0.359546
492.	0.	1.48627	15.0193	15.4936	8.9779	5.908	13.5537	2.5103	0.360275
493.	0.	1.47793	15.0201	15.4936	8.9791	5.913	13.5123	2.5010	0.360995
494.	0.	1.46969	15.0208	15.4936	8.9805	5.918	13.4723	2.4917	0.361706
495.	0.	1.46153	15.0215	15.4936	8.9820	5.919	13.4263	2.4824	0.362406
496.	0.	1.45431	15.0222	15.4936	8.9863	5.915	13.3704	2.4630	0.362975
497.	0.	1.44697	15.0229	15.4936	8.9906	5.907	13.3044	2.4436	0.363553
498.	0.	1.44040	15.0237	15.4936	8.9976	5.897	13.2332	2.4140	0.364021
499.	0.	1.43271	15.0244	15.4936	9.0019	5.893	13.1749	2.3946	0.364645
500.	0.	1.42408	15.0251	15.4936	9.0033	5.896	13.1284	2.3854	0.365407
501.	0.	1.41554	15.0258	15.4936	9.0046	5.896	13.0791	2.3762	0.366157
502.	0.	1.40802	15.0265	15.4936	9.0087	5.896	13.0278	2.3568	0.366771
503.	0.	1.39956	15.0272	15.4936	9.0100	5.900	12.9839	2.3475	0.367519
504.	0.	1.39120	15.0279	15.4936	9.0112	5.901	12.9354	2.3383	0.368256
505.	0.	1.38381	15.0286	15.4936	9.0152	5.893	12.8708	2.3189	0.368856
506.	0.	1.37719	15.0293	15.4936	9.0219	5.879	12.7924	2.2893	0.369341
507.	0.	1.37022	15.0301	15.4936	9.0286	5.856	12.6949	2.2599	0.369858
508.	0.	1.36460	15.0309	15.4936	9.0411	5.809	12.5522	2.2102	0.370152
509.	0.	1.36115	15.0318	15.4936	9.0620	5.777	12.4237	2.1301	0.370121
510.	0.	1.34868	15.0327	15.4936	9.0600	5.776	12.3588	2.1314	0.371379
511.	0.	1.33750	15.0335	15.4936	9.0609	5.764	12.2773	2.1224	0.372450
512.	0.	1.33025	15.0344	15.4936	9.0733	5.732	12.1569	2.0729	0.372945
513.	0.	1.32225	15.0354	15.4936	9.0854	5.699	12.0292	2.0235	0.373530
514.	0.	1.31241	15.0364	15.4936	9.0944	5.673	11.9136	1.9844	0.374372
515.	0.	1.30098	15.0374	15.4936	9.1005	5.659	11.8174	1.9554	0.375450
516.	0.	1.28824	15.0384	15.4936	9.1037	5.648	11.7285	1.9367	0.376721
517.	0.	1.27657	15.0395	15.4936	9.1097	5.638	11.6409	1.9078	0.377842
518.	0.	1.26358	15.0405	15.4936	9.1127	5.615	11.5317	1.8891	0.379148
519.	0.	1.25464	15.0416	15.4936	9.1272	5.569	11.3798	1.8298	0.379838
520.	0.	1.24438	15.0429	15.4936	9.1419	5.517	11.2114	1.7707	0.380697
521.	0.	1.23271	15.0442	15.4936	9.1562	5.461	11.0349	1.7118	0.381750
522.	0.	1.21962	15.0457	15.4936	9.1698	5.415	10.8696	1.6530	0.383017
523.	0.	1.20281	15.0472	15.4936	9.1773	5.382	10.7261	1.6149	0.384876
524.	0.	1.18525	15.0488	15.4936	9.1857	5.358	10.5991	1.5769	0.386859
525.	0.	1.16606	15.0505	15.4936	9.1909	5.338	10.4799	1.5491	0.389114
526.	0.	1.14792	15.0522	15.4936	9.1996	5.316	10.3568	1.5112	0.391210
527.	0.	1.12912	15.0541	15.4936	9.2100	5.285	10.2260	1.4734	0.393414
528.	0.	1.11066	15.0560	15.4936	9.2264	5.244	10.0797	1.4256	0.395557

529.	0.	1.09217	15.0582	15.4936	9.2471	5.194	9.9207	1.3677	0.397715
530.	0.	1.07181	15.0602	15.4936	9.2703	5.135	9.7483	1.3102	0.400189
531.	0.	1.05040	15.0625	15.4936	9.3020	5.071	9.5713	1.2429	0.402854
532.	0.	1.02463	15.0650	15.4936	9.3384	5.003	9.4055	1.1863	0.406294
533.	0.	0.99730	15.0680	15.4936	9.3744	4.944	9.2559	1.1301	0.410080
534.	0.	0.96587	15.0714	15.4936	9.4058	4.904	9.1410	1.0947	0.414654
535.	0.	0.93322	15.0752	15.4936	9.4387	4.877	9.0579	1.0695	0.419455
536.	0.	0.90047	15.0795	15.4936	9.4724	4.853	8.9902	1.0542	0.424245
537.	0.	0.87079	15.0843	15.4936	9.5137	4.808	8.9033	1.0285	0.428477
538.	0.	0.84423	15.0898	15.4936	9.5647	4.725	8.7743	0.9822	0.432192
539.	0.	0.81973	15.0962	15.4936	9.6174	4.608	8.6022	0.9156	0.435646
540.	0.	0.79345	15.1034	15.4936	9.6564	4.514	8.4548	0.8496	0.439581
541.	0.	0.75817	15.1105	15.4936	9.6796	4.460	8.3675	0.8352	0.445215
542.	0.	0.72641	15.1175	15.4936	9.7122	4.409	8.2923	0.8102	0.450156
543.	0.	0.69603	15.1244	15.4936	9.7499	4.350	8.2128	0.7848	0.454831
544.	0.	0.66716	15.1314	15.4936	9.8096	4.278	8.1421	0.7492	0.459233
545.	0.	0.63591	15.1386	15.4936	9.8900	4.196	8.0931	0.7240	0.464027
546.	0.	0.60360	15.1463	15.4936	10.0323	4.090	8.0907	0.6889	0.468931
547.	0.	0.57371	15.1542	15.4936	10.1332	3.999	8.0616	0.6635	0.473471
548.	0.	0.54298	15.1626	15.4936	10.3027	3.832	8.0036	0.6281	0.478080
549.	0.	0.51012	15.1734	15.4936	10.6534	3.660	8.2153	0.5432	0.483163
550.	0.	0.47608	15.1919	15.4936	11.0146	3.848	8.4354	0.4192	0.489200