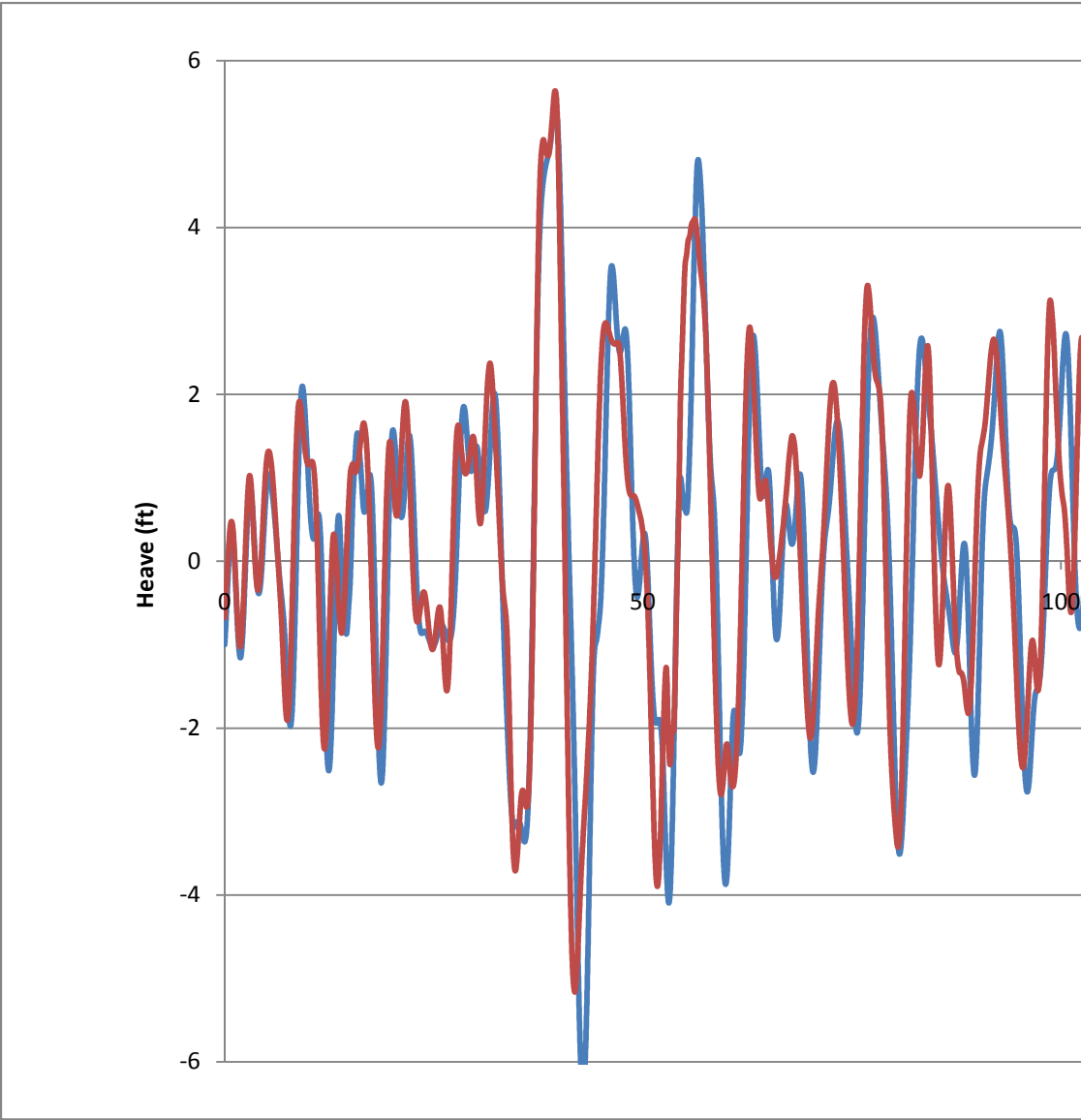
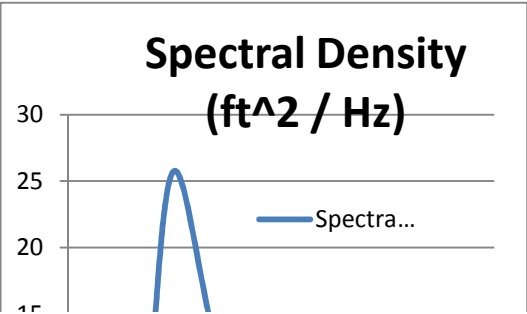




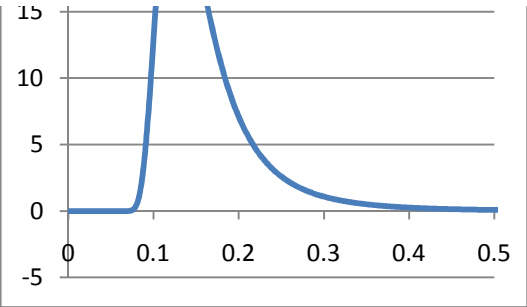
Period (s)



ESPdrifter_2011_2010wave.sim

Wave_Height(ft)	Wave_Period(s)
6	8

Statistics	Mean
Wave_Elevation(ft)	-0.000768828
Top_Buoy_Surge(ft)	-947.341
Top_Buoy_Heave(ft)	0.0674227
ESP_Buoy_Surge(ft)	-945.018



ESP_Buoy_Heave(ft)	-81.6771
Cable_Top_Tension(lbf)	806.184
Cable_Bottom_Tension(lbf)	791.894
Time(s)	Wave_Elevation(ft)
0	0.0125113
0.01	0.0140356
0.02	0.0151103
0.03	0.0157324
0.04	0.0158997
0.05	0.0156106
0.06	0.0148643
0.07	0.0136605
0.08	0.0119997
0.09	0.00988309
0.1	0.00731261
0.11	0.00429084
0.12	0.000821129
0.13	-0.00309247
0.14	-0.00744518
0.15	-0.0122315
0.16	-0.0174452
0.17	-0.0230793
0.18	-0.0291262
0.19	-0.0355776
0.2	-0.0424245
0.21	-0.0496571
0.22	-0.0572652
0.23	-0.0652378
0.24	-0.0735632
0.25	-0.0822293
0.26	-0.0912234
0.27	-0.100532
0.28	-0.110142
0.29	-0.120038
0.3	-0.130206
0.31	-0.140631
0.32	-0.151297
0.33	-0.162188
0.34	-0.173288
0.35	-0.18458
0.36	-0.196048
0.37	-0.207675
0.38	-0.219444
0.39	-0.231336
0.4	-0.243336
0.41	-0.255425
0.42	-0.267587
0.43	-0.279803
0.44	-0.292057
0.45	-0.304331
0.46	-0.316607
0.47	-0.328871
0.48	-0.341103
0.49	-0.353289
0.5	-0.365412

0.51	-0.377455
0.52	-0.389405
0.53	-0.401244
0.54	-0.41296
0.55	-0.424537
0.56	-0
0.57	-0
0.58	-0
0.59	-0
0.6	-0
0.61	-0
0.62	-0
0.63	-0
0.64	-0
0.65	-0
0.66	-0
0.67	-0
0.68	-0
0.69	-0
0.7	-0
0.71	-0
0.72	-0
0.73	-0
0.74	-0
0.75	-0
0.76	-0
0.77	-0
0.78	-0
0.79	-0
0.8	-0
0.81	-0
0.82	-0
0.83	-0
0.84	-0
0.85	-0.657891
0.86	-0.660957
0.87	-0.663703
0.88	-0.66613
0.89	-0.668241
0.9	-0.670038
0.91	-0.671522
0.92	-0.672698
0.93	-0.673566
0.94	-0.674131
0.95	-0.674394
0.96	-0.67436
0.97	-0.674032
0.98	-0.673413
0.99	-0.672505
1	-0.671314
1.01	-0.669842
1.02	-0.668093
1.03	-0.666071
1.04	-0.663779
1.05	-0.661222

1.06	-0.658402
1.07	-0.655324
1.08	-0.651992
1.09	-0.64841
1.1	-0.644581
1.11	-0.64051
1.12	-0.6362
1.13	-0.631656
1.14	-0.626882
1.15	-0.621882
1.16	-0.61666
1.17	-0.61122
1.18	-0.605568
1.19	-0.599708
1.2	-0.593643
1.21	-0.58738
1.22	-0.580923
1.23	-0.574276
1.24	-0.567446
1.25	-0.560437
1.26	-0.553255
1.27	-0.545906
1.28	-0.538395
1.29	-0.530728
1.3	-0.522912
1.31	-0.514952
1.32	-0.506856
1.33	-0.498631
1.34	-0.490282
1.35	-0.481817
1.36	-0.473245
1.37	-0.464571
1.38	-0.455804
1.39	-0.446952
1.4	-0.438023
1.41	-0.429024
1.42	-0.419965
1.43	-0.410855
1.44	-0.4017
1.45	-0.392511
1.46	-0.383297
1.47	-0.374065
1.48	-0.364826
1.49	-0.355588
1.5	-0.346361
1.51	-0.337153
1.52	-0.327973
1.53	-0.318832
1.54	-0.309737
1.55	-0.300697
1.56	-0.291722
1.57	-0.282819
1.58	-0.273999
1.59	-0.265267
1.6	-0.256634

1.61	-0.248106
1.62	-0.239692
1.63	-0.231398
1.64	-0.223231
1.65	-0.215198
1.66	-0.207306
1.67	-0.19956
1.68	-0.191966
1.69	-0.184529
1.7	-0.177254
1.71	-0.170144
1.72	-0.163204
1.73	-0.156437
1.74	-0.149845
1.75	-0.143432
1.76	-0.137199
1.77	-0.131147
1.78	-0.125277
1.79	-0.119589
1.8	-0.114084
1.81	-0.10876
1.82	-0.103617
1.83	-0.0986523
1.84	-0.0938645
1.85	-0.0892509
1.86	-0.0848083
1.87	-0.0805334
1.88	-0.0764222
1.89	-0.0724705
1.9	-0.0686736
1.91	-0.0650266
1.92	-0.061524
1.93	-0.0581604
1.94	-0.0549297
1.95	-0.0518259
1.96	-0.0488424
1.97	-0.0459728
1.98	-0.0432103
1.99	-0.0405481
2	-0.0379791
2.01	-0.0354963
2.02	-0.0330927
2.03	-0.0307612
2.04	-0.0284946
2.05	-0.026286
2.06	-0.0241285
2.07	-0.0220152
2.08	-0.0199394
2.09	-0.0178946
2.1	-0.0158744
2.11	-0.0138729
2.12	-0.011884
2.13	-0.00990216
2.14	-0.00792209
2.15	-0.00593871

2.16	-0.0039473
2.17	-0.00194348
2.18	7.68E-05
2.19	0.00211726
2.2	0.00418121
2.21	0.00627163
2.22	0.0083911
2.23	0.0105419
2.24	0.0127257
2.25	0.0149442
2.26	0.0171983
2.27	0.0194888
2.28	0.0218161
2.29	0.0241802
2.3	0.0265807
2.31	0.0290171
2.32	0.0314883
2.33	0.0339932
2.34	0.0365301
2.35	0.0390974
2.36	0.0416928
2.37	0.0443143
2.38	0.0469593
2.39	0.0496251
2.4	0.0523091
2.41	0.0550081
2.42	0.0577193
2.43	0.0604395
2.44	0.0631655
2.45	0.0658939
2.46	0.0686216
2.47	0.0713454
2.48	0.0740618
2.49	0.0767678
2.5	0.0794603
2.51	0.082136
2.52	0.0847921
2.53	0.0874258
2.54	0.0900342
2.55	0.0926149
2.56	0.0951653
2.57	0.0976832
2.58	0.100166
2.59	0.102613
2.6	0.105022
2.61	0.10739
2.62	0.109717
2.63	0.112002
2.64	0.114243
2.65	0.11644
2.66	0.118592
2.67	0.120698
2.68	0.122759
2.69	0.124773
2.7	0.126742

2.71	0.128664
2.72	0.13054
2.73	0.132371
2.74	0.134156
2.75	0.135896
2.76	0.137591
2.77	0.139243
2.78	0.14085
2.79	0.142415
2.8	0.143936
2.81	0.145415
2.82	0.146852
2.83	0.148247
2.84	0.149599
2.85	0.15091
2.86	0.152178
2.87	0.153403
2.88	0.154585
2.89	0.155723
2.9	0.156816
2.91	0.157864
2.92	0.158863
2.93	0.159814
2.94	0.160714
2.95	0.161561
2.96	0.162354
2.97	0.163088
2.98	0.163763
2.99	0.164374
3	0.164918
3.01	0.165393
3.02	0.165794
3.03	0.166118
3.04	0.166361
3.05	0.166519
3.06	0.166588
3.07	0.166563
3.08	0.16644
3.09	0.166214
3.1	0.165881
3.11	0.165436
3.12	0.164876
3.13	0.164194
3.14	0.163388
3.15	0.162453
3.16	0.161384
3.17	0.160178
3.18	0.158831
3.19	0.157339
3.2	0.1557
3.21	0.15391
3.22	0.151967
3.23	0.149868
3.24	0.147612
3.25	0.145197

3.26	0.142622
3.27	0.139887
3.28	0.136993
3.29	0.133938
3.3	0.130725
3.31	0.127356
3.32	0.123831
3.33	0.120155
3.34	0.116331
3.35	0.112362
3.36	0.108254
3.37	0.104011
3.38	0.0996403
3.39	0.0951473
3.4	0.0905393
3.41	0.0858242
3.42	0.0810101
3.43	0.076106
3.44	0.0711213
3.45	0.0660658
3.46	0.06095
3.47	0.0557847
3.48	0.0505814
3.49	0.0453518
3.5	0.0401079
3.51	0.0348623
3.52	0.0296278
3.53	0.0244174
3.54	0.0192443
3.55	0.014122
3.56	0.00906402
3.57	0.00408401
3.58	-0.000804355
3.59	-0.00558741
3.6	-0.0102516
3.61	-0.0147833
3.62	-0.0191693
3.63	-0.0233964
3.64	-0.0274518
3.65	-0.0313229
3.66	-0.0349975
3.67	-0.0384636
3.68	-0.0417099
3.69	-0.0447255
3.7	-0.0474999
3.71	-0.0500233
3.72	-0.0522862
3.73	-0.0542801
3.74	-0.0559968
3.75	-0.057429
3.76	-0.05857
3.77	-0.0594137
3.78	-0.0599548
3.79	-0.0601889
3.8	-0.060112

3.81	-0.0597211
3.82	-0.0590139
3.83	-0.0579888
3.84	-0.0566449
3.85	-0.0549821
3.86	-0.0530011
3.87	-0.050703
3.88	-0.0480899
3.89	-0.0451643
3.9	-0.0419296
3.91	-0.0383895
3.92	-0.0345484
3.93	-0.0304113
3.94	-0.0259835
3.95	-0.0212709
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3.98	-0.00548875
3.99	0.000297083
4	0.00633332
4.01	0.0126124
4.02	0.0191266
4.03	0.0258682
4.04	0.0328294
4.05	0.0400025
4.06	0.0473799
4.07	0.0549541
4.08	0.0627177
4.09	0.0706636
4.1	0.078785
4.11	0.0870755
4.12	0.0955288
4.13	0.104139
4.14	0.112901
4.15	0.121811
4.16	0.130862
4.17	0.140053
4.18	0.149379
4.19	0.158837
4.2	0.168426
4.21	0.178143
4.22	0.187989
4.23	0.197961
4.24	0.208061
4.25	0.218289
4.26	0.228647
4.27	0.239136
4.28	0.249758
4.29	0.260517
4.3	0.271416
4.31	0.282458
4.32	0.293649
4.33	0.304991
4.34	0.316491
4.35	0.328154

4.36	0.339985
4.37	0.35199
4.38	0.364174
4.39	0.376543
4.4	0.389104
4.41	0.401862
4.42	0.414822
4.43	0.427991
4.44	0.441374
4.45	0.454976
4.46	0.468801
4.47	0.482853
4.48	0.497138
4.49	0.511657
4.5	0.526414
4.51	0.54141
4.52	0.556646
4.53	0.572124
4.54	0.587843
4.55	0.603801
4.56	0.619996
4.57	0.636426
4.58	0.653085
4.59	0.66997
4.6	0.687073
4.61	0.704387
4.62	0.721903
4.63	0.739612
4.64	0.757504
4.65	0.775565
4.66	0.793784
4.67	0.812145
4.68	0.830633
4.69	0.849231
4.7	0.867922
4.71	0.886687
4.72	0.905505
4.73	0.924356
4.74	0.943219
4.75	0.962069
4.76	0.980883
4.77	0.999637
4.78	1.0183
4.79	1.03686
4.8	1.05528
4.81	1.07353
4.82	1.09158
4.83	1.10941
4.84	1.12699
4.85	1.14429
4.86	1.16128
4.87	1.17793
4.88	1.19421
4.89	1.21009
4.9	1.22555

4.91	1.24055
4.92	1.25506
4.93	1.26906
4.94	1.28252
4.95	1.29541
4.96	1.30771
4.97	1.31939
4.98	1.33042
4.99	1.34078
5	1.35046
5.01	1.35942
5.02	1.36764
5.03	1.37512
5.04	1.38182
5.05	1.38773
5.06	1.39284
5.07	1.39713
5.08	1.4006
5.09	1.40322
5.1	1.40499
5.11	1.4059
5.12	1.40595
5.13	1.40512
5.14	1.40343
5.15	1.40086
5.16	1.39741
5.17	1.39309
5.18	1.3879
5.19	1.38185
5.2	1.37494
5.21	1.36718
5.22	1.35857
5.23	1.34914
5.24	1.33888
5.25	1.32782
5.26	1.31598
5.27	1.30335
5.28	1.28997
5.29	1.27585
5.3	1.26102
5.31	1.24548
5.32	1.22926
5.33	1.21239
5.34	1.19489
5.35	1.17678
5.36	1.15808
5.37	1.13882
5.38	1.11903
5.39	1.09872
5.4	1.07793
5.41	1.05669
5.42	1.03501
5.43	1.01292
5.44	0.990456
5.45	0.967637

5.46	0.944488
5.47	0.921037
5.48	0.897309
5.49	0.873327
5.5	0.849117
5.51	0.824702
5.52	0.800106
5.53	0.775351
5.54	0.75046
5.55	0.725453
5.56	0.700352
5.57	0.675176
5.58	0.649944
5.59	0.624675
5.6	0.599385
5.61	0.574091
5.62	0.548809
5.63	0.523552
5.64	0.498336
5.65	0.473172
5.66	0.448073
5.67	0.423049
5.68	0.39811
5.69	0.373265
5.7	0.348523
5.71	0.323891
5.72	0.299375
5.73	0.274981
5.74	0.250714
5.75	0.226577
5.76	0.202575
5.77	0.178709
5.78	0.154983
5.79	0.131396
5.8	0.107949
5.81	0.084644
5.82	0.061479
5.83	0.0384535
5.84	0.0155662
5.85	-0.00718457
5.86	-0.0298009
5.87	-0.0522853
5.88	-0.0746402
5.89	-0.0968687
5.9	-0.118974
5.91	-0.140959
5.92	-0.162827
5.93	-0.184582
5.94	-0.206228
5.95	-0.227767
5.96	-0.249203
5.97	-0.27054
5.98	-0.291781
5.99	-0.31293
6	-0.333989

6.01	-0.354961
6.02	-0.37585
6.03	-0.396657
6.04	-0.417386
6.05	-0.438038
6.06	-0.458615
6.07	-0.47912
6.08	-0.499552
6.09	-0.519914
6.1	-0.540206
6.11	-0.560428
6.12	-0.580582
6.13	-0.600666
6.14	-0.62068
6.15	-0.640624
6.16	-0.660496
6.17	-0.680295
6.18	-0.70002
6.19	-0.719669
6.2	-0.739239
6.21	-0.758729
6.22	-0.778134
6.23	-0.797452
6.24	-0.816681
6.25	-0.835816
6.26	-0.854853
6.27	-0.873788
6.28	-0.892618
6.29	-0.911338
6.3	-0.929942
6.31	-0.948427
6.32	-0.966786
6.33	-0.985015
6.34	-1.00311
6.35	-1.02106
6.36	-1.03886
6.37	-1.05651
6.38	-1.074
6.39	-1.09133
6.4	-1.10848
6.41	-1.12545
6.42	-1.14224
6.43	-1.15883
6.44	-1.17522
6.45	-1.19141
6.46	-1.20738
6.47	-1.22313
6.48	-1.23864
6.49	-1.25392
6.5	-1.26896
6.51	-1.28374
6.52	-1.29826
6.53	-1.31251
6.54	-1.32648
6.55	-1.34017

6.56	-1.35356
6.57	-1.36665
6.58	-1.37943
6.59	-1.39189
6.6	-1.40402
6.61	-1.41581
6.62	-1.42726
6.63	-1.43836
6.64	-1.44909
6.65	-1.45945
6.66	-1.46943
6.67	-1.47902
6.68	-1.48822
6.69	-1.49701
6.7	-1.50539
6.71	-1.51335
6.72	-1.52089
6.73	-1.52798
6.74	-1.53463
6.75	-1.54084
6.76	-1.54658
6.77	-1.55187
6.78	-1.55668
6.79	-1.56102
6.8	-1.56488
6.81	-1.56825
6.82	-1.57113
6.83	-1.57352
6.84	-1.57541
6.85	-1.5768
6.86	-1.57768
6.87	-1.57806
6.88	-1.57793
6.89	-1.5773
6.9	-1.57615
6.91	-1.5745
6.92	-1.57234
6.93	-1.56968
6.94	-1.56651
6.95	-1.56285
6.96	-1.55869
6.97	-1.55404
6.98	-1.54891
6.99	-1.54329
7	-1.53721
7.01	-1.53066
7.02	-1.52365
7.03	-1.5162
7.04	-1.5083
7.05	-1.49998
7.06	-1.49125
7.07	-1.48211
7.08	-1.47257
7.09	-1.46266
7.1	-1.45238

7.11	-1.44174
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8.19	0.394349
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8.23	0.484839
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8.28	0.59071
8.29	0.610739
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8.31	0.649535
8.32	0.668279
8.33	0.686575
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8.38	0.771099
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8.41	0.816163
8.42	0.830252
8.43	0.843884
8.44	0.857066
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8.46	0.882122
8.47	0.894018
8.48	0.905511
8.49	0.916615
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8.54	0.966901
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9.47	1.90897
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22.14	0.0681591
22.15	0.0597706
22.16	0.051369
22.17	0.0429551
22.18	0.0345301
22.19	0.0260957
22.2	0.0176542
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22.79	-0.389526
22.8	-0.395848
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29.46	0.644058
29.47	0.66116
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29.57	0.848571
29.58	0.868584
29.59	0.888757
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37.14	3.46225
37.15	3.51111
37.16	3.56021
37.17	3.60954
37.18	3.6591
37.19	3.70886
37.2	3.75882
37.21	3.80894
37.22	3.85923
37.23	3.90964
37.24	3.96017
37.25	4.01078
37.26	4.06146
37.27	4.11217
37.28	4.16289
37.29	4.21359
37.3	4.26423
37.31	4.3148
37.32	4.36525
37.33	4.41556
37.34	4.46568
37.35	4.5156

37.36	4.56526
37.37	4.61465
37.38	4.66373
37.39	4.71245
37.4	4.76079
37.41	4.80871
37.42	4.85619
37.43	4.90317
37.44	4.94964
37.45	4.99556
37.46	5.04089
37.47	5.08561
37.48	5.12969
37.49	5.1731
37.5	5.21581
37.51	5.25779
37.52	5.29902
37.53	5.33948
37.54	5.37913
37.55	5.41797
37.56	5.45597
37.57	5.49311
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37.6	5.59923
37.61	5.6328
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37.66	5.78664
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37.68	5.84157
37.69	5.86762
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37.71	5.91689
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37.75	6.00432
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37.77	6.04263
37.78	6.06048
37.79	6.07746
37.8	6.09361
37.81	6.10893
37.82	6.12343
37.83	6.13715
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37.85	6.16226
37.86	6.17369
37.87	6.18439
37.88	6.19439
37.89	6.20369
37.9	6.21232

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37.98	6.259
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38.52	5.67216
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38.55	5.58619
38.56	5.55624
38.57	5.52567
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44.83	1.83494
44.84	1.84587
44.85	1.8568
44.86	1.86774
44.87	1.87869
44.88	1.88964
44.89	1.90059
44.9	1.91154
44.91	1.92249
44.92	1.93343
44.93	1.94436
44.94	1.95528
44.95	1.96619
44.96	1.97708
44.97	1.98795
44.98	1.99879
44.99	2.0096
45	2.02038
45.01	2.03113
45.02	2.04184
45.03	2.0525
45.04	2.06312
45.05	2.07369

45.06	2.08421
45.07	2.09467
45.08	2.10508
45.09	2.11542
45.1	2.1257
45.11	2.13592
45.12	2.14606
45.13	2.15614
45.14	2.16615
45.15	2.17609
45.16	2.18595
45.17	2.19574
45.18	2.20545
45.19	2.21509
45.2	2.22466
45.21	2.23415
45.22	2.24356
45.23	2.2529
45.24	2.26217
45.25	2.27136
45.26	2.28048
45.27	2.28953
45.28	2.29851
45.29	2.30742
45.3	2.31627
45.31	2.32505
45.32	2.33376
45.33	2.34241
45.34	2.351
45.35	2.35953
45.36	2.368
45.37	2.37641
45.38	2.38476
45.39	2.39306
45.4	2.4013
45.41	2.40949
45.42	2.41761
45.43	2.42569
45.44	2.4337
45.45	2.44166
45.46	2.44956
45.47	2.45739
45.48	2.46517
45.49	2.47288
45.5	2.48052
45.51	2.48809
45.52	2.49559
45.53	2.50301
45.54	2.51034
45.55	2.51759
45.56	2.52474
45.57	2.53179
45.58	2.53874
45.59	2.54557
45.6	2.55228

45.61	2.55886
45.62	2.5653
45.63	2.5716
45.64	2.57774
45.65	2.58372
45.66	2.58953
45.67	2.59515
45.68	2.60058
45.69	2.6058
45.7	2.61081
45.71	2.61559
45.72	2.62013
45.73	2.62442
45.74	2.62845
45.75	2.63221
45.76	2.63568
45.77	2.63886
45.78	2.64173
45.79	2.64428
45.8	2.64651
45.81	2.64839
45.82	2.64992
45.83	2.65109
45.84	2.6519
45.85	2.65232
45.86	2.65235
45.87	2.65198
45.88	2.6512
45.89	2.65001
45.9	2.6484
45.91	2.64637
45.92	2.6439
45.93	2.64099
45.94	2.63764
45.95	2.63385
45.96	2.62961
45.97	2.62492
45.98	2.61978
45.99	2.61419
46	2.60815
46.01	2.60166
46.02	2.59473
46.03	2.58736
46.04	2.57955
46.05	2.57131
46.06	2.56264
46.07	2.55356
46.08	2.54407
46.09	2.53417
46.1	2.52389
46.11	2.51323
46.12	2.50219
46.13	2.49081
46.14	2.47907
46.15	2.46701

46.16	2.45464
46.17	2.44196
46.18	2.429
46.19	2.41577
46.2	2.40229
46.21	2.38858
46.22	2.37464
46.23	2.36051
46.24	2.3462
46.25	2.33172
46.26	2.3171
46.27	2.30235
46.28	2.28749
46.29	2.27254
46.3	2.25753
46.31	2.24245
46.32	2.22735
46.33	2.21222
46.34	2.1971
46.35	2.18199
46.36	2.16691
46.37	2.15189
46.38	2.13693
46.39	2.12205
46.4	2.10726
46.41	2.09258
46.42	2.07801
46.43	2.06358
46.44	2.04929
46.45	2.03516
46.46	2.02118
46.47	2.00738
46.48	1.99375
46.49	1.9803
46.5	1.96705
46.51	1.95399
46.52	1.94112
46.53	1.92845
46.54	1.91599
46.55	1.90372
46.56	1.89166
46.57	1.87979
46.58	1.86812
46.59	1.85664
46.6	1.84535
46.61	1.83424
46.62	1.82331
46.63	1.81254
46.64	1.80194
46.65	1.7915
46.66	1.78119
46.67	1.77102
46.68	1.76098
46.69	1.75105
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46.71	1.73148
46.72	1.72182
46.73	1.71223
46.74	1.7027
46.75	1.6932
46.76	1.68374
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46.78	1.66486
46.79	1.65541
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46.83	1.61734
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47	1.43976
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47.07	1.35788
47.08	1.34596
47.09	1.33402
47.1	1.32208
47.11	1.31016
47.12	1.29826
47.13	1.28641
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47.15	1.26293
47.16	1.25133
47.17	1.23986
47.18	1.22853
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47.22	1.18505
47.23	1.17475
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47.29	1.11927
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47.31	1.10366
47.32	1.09649
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47.36	1.07233
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47.38	1.06318
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47.61	1.11238
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47.75	1.25332
47.76	1.26487
47.77	1.2765
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47.83	1.34656
47.84	1.35809
47.85	1.36954
47.86	1.38087
47.87	1.39208
47.88	1.40314
47.89	1.41404
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47.91	1.43533
47.92	1.44568
47.93	1.45583
47.94	1.46575
47.95	1.47546
47.96	1.48492
47.97	1.49415
47.98	1.50314
47.99	1.51187
48	1.52035
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48.03	1.54426
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48.13	1.60782
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48.51	1.71101
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48.54	1.71145
48.55	1.71114
48.56	1.71057
48.57	1.70972
48.58	1.70859
48.59	1.70716
48.6	1.7054
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49.07	1.02495
49.08	0.996104
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49.1	0.936915
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49.12	0.87583
49.13	0.844614
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49.15	0.780912
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49.17	0.715626
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49.22	0.546334
49.23	0.511567
49.24	0.476537
49.25	0.44126
49.26	0.405753
49.27	0.370033
49.28	0.334117
49.29	0.29802
49.3	0.26176
49.31	0.225354
49.32	0.188818
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49.35	0.078592
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52.66	-2.52572
52.67	-2.52279
52.68	-2.5199
52.69	-2.51703
52.7	-2.51416
52.71	-2.51128
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52.75	-2.49924

52.76	-2.49602
52.77	-2.49266
52.78	-2.48917
52.79	-2.48552
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53.71	-0.0261877
53.72	0.0251132
53.73	0.0765983
53.74	0.128243
53.75	0.180025
53.76	0.231917
53.77	0.283896
53.78	0.335937
53.79	0.388013
53.8	0.4401
53.81	0.492172
53.82	0.544204
53.83	0.596169
53.84	0.648042
53.85	0.699798

53.86	0.751409
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53.88	0.8541
53.89	0.905129
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54.03	1.58326
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75.51	1.76722
75.52	1.79217
75.53	1.8168
75.54	1.84109
75.55	1.86505
75.56	1.88869
75.57	1.91201
75.58	1.935
75.59	1.95769
75.6	1.98006
75.61	2.00213
75.62	2.0239
75.63	2.04538
75.64	2.06657
75.65	2.08749
75.66	2.10814
75.67	2.12852
75.68	2.14865
75.69	2.16853
75.7	2.18818
75.71	2.2076
75.72	2.2268
75.73	2.24579
75.74	2.26457
75.75	2.28317
75.76	2.30158
75.77	2.31982
75.78	2.3379
75.79	2.35582
75.8	2.37359
75.81	2.39122
75.82	2.40873
75.83	2.42611
75.84	2.44338
75.85	2.46055

75.86	2.47761
75.87	2.49459
75.88	2.51148
75.89	2.52829
75.9	2.54502
75.91	2.56169
75.92	2.5783
75.93	2.59484
75.94	2.61133
75.95	2.62777
75.96	2.64415
75.97	2.66049
75.98	2.67678
75.99	2.69302
76	2.70922
76.01	2.72538
76.02	2.74148
76.03	2.75754
76.04	2.77355
76.05	2.7895
76.06	2.8054
76.07	2.82123
76.08	2.837
76.09	2.8527
76.1	2.86833
76.11	2.88387
76.12	2.89933
76.13	2.91469
76.14	2.92995
76.15	2.9451
76.16	2.96013
76.17	2.97504
76.18	2.98981
76.19	3.00443
76.2	3.01889
76.21	3.03319
76.22	3.04731
76.23	3.06124
76.24	3.07498
76.25	3.0885
76.26	3.1018
76.27	3.11487
76.28	3.12769
76.29	3.14025
76.3	3.15254
76.31	3.16454
76.32	3.17625
76.33	3.18765
76.34	3.19872
76.35	3.20946
76.36	3.21984
76.37	3.22987
76.38	3.23952
76.39	3.24877
76.4	3.25763

76.41	3.26606
76.42	3.27407
76.43	3.28163
76.44	3.28873
76.45	3.29536
76.46	3.30151
76.47	3.30715
76.48	3.31229
76.49	3.31689
76.5	3.32096
76.51	3.32447
76.52	3.32741
76.53	3.32977
76.54	3.33153
76.55	3.33269
76.56	3.33322
76.57	3.33311
76.58	3.33236
76.59	3.33094
76.6	3.32884
76.61	3.32605
76.62	3.32256
76.63	3.31835
76.64	3.31341
76.65	3.30772
76.66	3.30127
76.67	3.29406
76.68	3.28606
76.69	3.27726
76.7	3.26766
76.71	3.25723
76.72	3.24597
76.73	3.23387
76.74	3.22091
76.75	3.20708
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76.78	3.16026
76.79	3.14285
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76.81	3.10526
76.82	3.08506
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76.87	2.96976
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76.93	2.79925
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76.97	2.66593
76.98	2.63016
76.99	2.59344
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77.02	2.47756
77.03	2.43707
77.04	2.39567
77.05	2.35337
77.06	2.31019
77.07	2.26614
77.08	2.22124
77.09	2.17552
77.1	2.12898
77.11	2.08166
77.12	2.03358
77.13	1.98475
77.14	1.93521
77.15	1.88499
77.16	1.8341
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77.18	1.73048
77.19	1.67779
77.2	1.62458
77.21	1.57086
77.22	1.51668
77.23	1.46207
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77.27	1.24003
77.28	1.18382
77.29	1.12741
77.3	1.07083
77.31	1.01413
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77.38	0.617182
77.39	0.560957
77.4	0.504972
77.41	0.449266
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77.44	0.2842
77.45	0.229985
77.46	0.176232
77.47	0.122975
77.48	0.0702478
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77.99	-1.60701
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78.62	-2.16807
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78.7	-2.21279
78.71	-2.21859
78.72	-2.22447
78.73	-2.23042
78.74	-2.23646
78.75	-2.24259
78.76	-2.24882
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78.81	-2.28154
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79	-2.42839
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79.07	-2.48451
79.08	-2.49214
79.09	-2.49962
79.1	-2.50694
79.11	-2.51407
79.12	-2.521
79.13	-2.52772
79.14	-2.53421
79.15	-2.54044

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79.17	-2.55209
79.18	-2.55748
79.19	-2.56255
79.2	-2.56729
79.21	-2.57168
79.22	-2.57572
79.23	-2.57939
79.24	-2.58268
79.25	-2.58557
79.26	-2.58806
79.27	-2.59014
79.28	-2.59179
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79.31	-2.59413
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79.33	-2.59346
79.34	-2.59244
79.35	-2.59096
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79.37	-2.58663
79.38	-2.58378
79.39	-2.58047
79.4	-2.57671
79.41	-2.5725
79.42	-2.56785
79.43	-2.56275
79.44	-2.55723
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79.46	-2.54492
79.47	-2.53815
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79.49	-2.52343
79.5	-2.51549
79.51	-2.50719
79.52	-2.49854
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79.62	-2.39511
79.63	-2.38335
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79.65	-2.3592
79.66	-2.34683
79.67	-2.33428
79.68	-2.32156
79.69	-2.30868
79.7	-2.29563

79.71	-2.28244
79.72	-2.2691
79.73	-2.25562
79.74	-2.242
79.75	-2.22826
79.76	-2.21438
79.77	-2.20037
79.78	-2.18624
79.79	-2.17198
79.8	-2.15759
79.81	-2.14306
79.82	-2.12841
79.83	-2.11361
79.84	-2.09867
79.85	-2.08359
79.86	-2.06834
79.87	-2.05294
79.88	-2.03737
79.89	-2.02161
79.9	-2.00567
79.91	-1.98954
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79.93	-1.95663
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80.74	0.230624
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83.23	0.229913
83.24	0.224341
83.25	0.219185
83.26	0.214441
83.27	0.210107
83.28	0.206176
83.29	0.202644
83.3	0.199505
83.31	0.196752
83.32	0.194378
83.33	0.192377
83.34	0.190739
83.35	0.189458
83.36	0.188524
83.37	0.187929
83.38	0.187664
83.39	0.187718
83.4	0.188084
83.41	0.188751
83.42	0.18971
83.43	0.19095
83.44	0.192462
83.45	0.194236
83.46	0.196262
83.47	0.198531
83.48	0.201033
83.49	0.203758
83.5	0.206698
83.51	0.209842
83.52	0.213182
83.53	0.216709
83.54	0.220415
83.55	0.224292

83.56	0.228331
83.57	0.232526
83.58	0.236868
83.59	0.241351
83.6	0.245969
83.61	0.250715
83.62	0.255583
83.63	0.260568
83.64	0.265664
83.65	0.270867
83.66	0.276173
83.67	0.281578
83.68	0.287077
83.69	0.292667
83.7	0.298346
83.71	0.30411
83.72	0.309958
83.73	0.315886
83.74	0.321894
83.75	0.327979
83.76	0.334141
83.77	0.340378
83.78	0.34669
83.79	0.353075
83.8	0.359533
83.81	0.366063
83.82	0.372666
83.83	0.379341
83.84	0.386088
83.85	0.392906
83.86	0.399797
83.87	0.406759
83.88	0.413793
83.89	0.420898
83.9	0.428075
83.91	0.435322
83.92	0.44264
83.93	0.450028
83.94	0.457486
83.95	0.465012
83.96	0.472605
83.97	0.480266
83.98	0.487991
83.99	0.495779
84	0.503629
84.01	0.511539
84.02	0.519505
84.03	0.527526
84.04	0.535599
84.05	0.54372
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84.07	0.560094
84.08	0.568338
84.09	0.576616
84.1	0.584923

84.11	0.593253
84.12	0.601602
84.13	0.609965
84.14	0.618335
84.15	0.626707
84.16	0.635076
84.17	0.643434
84.18	0.651775
84.19	0.660092
84.2	0.668379
84.21	0.676629
84.22	0.684834
84.23	0.692987
84.24	0.701081
84.25	0.709107
84.26	0.717059
84.27	0.724928
84.28	0.732707
84.29	0.740388
84.3	0.747962
84.31	0.755423
84.32	0.762762
84.33	0.769972
84.34	0.777044
84.35	0.783971
84.36	0.790745
84.37	0.797359
84.38	0.803805
84.39	0.810077
84.4	0.816167
84.41	0.822067
84.42	0.827772
84.43	0.833274
84.44	0.838568
84.45	0.843646
84.46	0.848504
84.47	0.853135
84.48	0.857534
84.49	0.861695
84.5	0.865614
84.51	0.869285
84.52	0.872706
84.53	0.87587
84.54	0.878774
84.55	0.881416
84.56	0.88379
84.57	0.885896
84.58	0.887728
84.59	0.889286
84.6	0.890567
84.61	0.891569
84.62	0.89229
84.63	0.89273
84.64	0.892888
84.65	0.892761

84.66	0.892351
84.67	0.891657
84.68	0.89068
84.69	0.889419
84.7	0.887875
84.71	0.886049
84.72	0.883943
84.73	0.881558
84.74	0.878896
84.75	0.875958
84.76	0.872747
84.77	0.869266
84.78	0.865516
84.79	0.861501
84.8	0.857225
84.81	0.852689
84.82	0.847899
84.83	0.842857
84.84	0.837568
84.85	0.832035
84.86	0.826264
84.87	0.820258
84.88	0.814022
84.89	0.807561
84.9	0.800881
84.91	0.793985
84.92	0.786881
84.93	0.779572
84.94	0.772064
84.95	0.764364
84.96	0.756477
84.97	0.748409
84.98	0.740167
84.99	0.731755
85	0.723181
85.01	0.71445
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85.15	0.579474
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85.2	0.527564

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85.39	0.328432
85.4	0.318156
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85.42	0.297694
85.43	0.287506
85.44	0.277346
85.45	0.267212
85.46	0.257102
85.47	0.247013
85.48	0.236943
85.49	0.226888
85.5	0.216845
85.51	0.206811
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85.53	0.186749
85.54	0.176713
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85.56	0.156605
85.57	0.146522
85.58	0.136413
85.59	0.126271
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85.61	0.105865
85.62	0.0955883
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85.66	0.0538367
85.67	0.0432046
85.68	0.0324817
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85.88	-0.209726
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85.9	-0.237501
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85.99	-0.370723
86	-0.386288
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86.02	-0.417816
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86.06	-0.482267
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86.1	-0.548173
86.11	-0.564815
86.12	-0.581504
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86.27	-0.831557
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86.3	-0.880101

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86.33	-0.927737
86.34	-0.943394
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86.36	-0.974351
86.37	-0.989647
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86.39	-1.01987
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86.41	-1.04958
86.42	-1.06424
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86.45	-1.10749
86.46	-1.12166
86.47	-1.1357
86.48	-1.14963
86.49	-1.16345
86.5	-1.17715
86.51	-1.19074
86.52	-1.20423
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86.54	-1.23091
86.55	-1.24411
86.56	-1.25722
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86.59	-1.29605
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86.64	-1.3594
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86.66	-1.38434
86.67	-1.39674
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86.76	-1.50656
86.77	-1.51858
86.78	-1.53055
86.79	-1.54248
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86.99	-1.76478
87	-1.77453
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87.25	-1.93897
87.26	-1.94189
87.27	-1.94454
87.28	-1.9469
87.29	-1.94899
87.3	-1.95082
87.31	-1.95238
87.32	-1.95369
87.33	-1.95474
87.34	-1.95556
87.35	-1.95614
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87.37	-1.95664
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87.39	-1.95629
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87.51	-1.94059
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87.77	-1.86455
87.78	-1.86047
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87.8	-1.85186
87.81	-1.84731
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87.92	-1.78272
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87.95	-1.7593

87.96	-1.75084
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90.68	2.5764
90.69	2.58437
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90.72	2.60568
90.73	2.61187
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90.75	2.62284
90.76	2.62758
90.77	2.63183
90.78	2.63556
90.79	2.63877
90.8	2.64146
90.81	2.64361
90.82	2.64523
90.83	2.6463
90.84	2.64682
90.85	2.6468
90.86	2.64622
90.87	2.64509
90.88	2.64341
90.89	2.64117
90.9	2.63839
90.91	2.63505
90.92	2.63118
90.93	2.62676
90.94	2.62182
90.95	2.61635
90.96	2.61036
90.97	2.60386
90.98	2.59687
90.99	2.58938
91	2.58142
91.01	2.573
91.02	2.56413
91.03	2.55481
91.04	2.54508
91.05	2.53494
91.06	2.52441
91.07	2.5135
91.08	2.50223
91.09	2.49062
91.1	2.47869
91.11	2.46645
91.12	2.45392
91.13	2.44113
91.14	2.42808
91.15	2.4148
91.16	2.4013
91.17	2.38761
91.18	2.37374
91.19	2.35971
91.2	2.34554
91.21	2.33124
91.22	2.31683
91.23	2.30232
91.24	2.28774
91.25	2.2731

91.26	2.25841
91.27	2.24369
91.28	2.22895
91.29	2.2142
91.3	2.19945
91.31	2.18472
91.32	2.17002
91.33	2.15535
91.34	2.14072
91.35	2.12614
91.36	2.11162
91.37	2.09716
91.38	2.08277
91.39	2.06845
91.4	2.0542
91.41	2.04003
91.42	2.02593
91.43	2.01191
91.44	1.99796
91.45	1.98409
91.46	1.97029
91.47	1.95656
91.48	1.9429
91.49	1.92929
91.5	1.91574
91.51	1.90224
91.52	1.88878
91.53	1.87536
91.54	1.86196
91.55	1.84859
91.56	1.83522
91.57	1.82186
91.58	1.8085
91.59	1.79512
91.6	1.78172
91.61	1.76828
91.62	1.75481
91.63	1.74128
91.64	1.72769
91.65	1.71403
91.66	1.70029
91.67	1.68646
91.68	1.67254
91.69	1.65852
91.7	1.64438
91.71	1.63012
91.72	1.61574
91.73	1.60122
91.74	1.58656
91.75	1.57176
91.76	1.55681
91.77	1.5417
91.78	1.52643
91.79	1.511
91.8	1.49541

91.81	1.47964
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91.83	1.44761
91.84	1.43134
91.85	1.4149
91.86	1.39829
91.87	1.38151
91.88	1.36457
91.89	1.34746
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91.91	1.31277
91.92	1.2952
91.93	1.27747
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92.06	1.03644
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92.14	0.882887
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92.16	0.844483
92.17	0.825321
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92.19	0.787112
92.2	0.768078
92.21	0.749101
92.22	0.730187
92.23	0.711341
92.24	0.692571
92.25	0.673882
92.26	0.65528
92.27	0.636771
92.28	0.618359
92.29	0.600051
92.3	0.581851
92.31	0.563765
92.32	0.545798
92.33	0.527955
92.34	0.51024
92.35	0.492659

92.36	0.475217
92.37	0.457918
92.38	0.440768
92.39	0.423771
92.4	0.406933
92.41	0.390258
92.42	0.373752
92.43	0.35742
92.44	0.341267
92.45	0.3253
92.46	0.309522
92.47	0.293941
92.48	0.278563
92.49	0.263392
92.5	0.248436
92.51	0.2337
92.52	0.21919
92.53	0.204914
92.54	0.190878
92.55	0.177089
92.56	0.163552
92.57	0.150275
92.58	0.137265
92.59	0.124528
92.6	0.112071
92.61	0.0999006
92.62	0.0880233
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92.64	0.0651731
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92.68	0.0232558
92.69	0.0135956
92.7	0.00427226
92.71	-0.00471047
92.72	-0.0133493
92.73	-0.0216415
92.74	-0.029585
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92.76	-0.0444206
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92.9	-0.110509

92.91	-0.112976
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92.97	-0.123258
92.98	-0.124383
92.99	-0.125391
93	-0.126303
93.01	-0.127143
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93.03	-0.128695
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93.1	-0.135305
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93.12	-0.13835
93.13	-0.14019
93.14	-0.142273
93.15	-0.144625
93.16	-0.147268
93.17	-0.150225
93.18	-0.153518
93.19	-0.157169
93.2	-0.161198
93.21	-0.165624
93.22	-0.170466
93.23	-0.17574
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93.27	-0.201472
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93.29	-0.217291
93.3	-0.225972
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93.33	-0.255167
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93.41	-0.3561
93.42	-0.370975
93.43	-0.386316
93.44	-0.402106
93.45	-0.41833

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93.49	-0.487184
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93.51	-0.523689
93.52	-0.54238
93.53	-0.56133
93.54	-0.580513
93.55	-0.599904
93.56	-0.619475
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93.59	-0.679002
93.6	-0.699026
93.61	-0.719096
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93.67	-0.839034
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93.7	-0.897621
93.71	-0.916804
93.72	-0.935784
93.73	-0.954546
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93.75	-0.991358
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93.78	-1.04463
93.79	-1.06184
93.8	-1.07877
93.81	-1.09541
93.82	-1.11177
93.83	-1.12784
93.84	-1.14363
93.85	-1.15915
93.86	-1.1744
93.87	-1.18939
93.88	-1.20413
93.89	-1.21863
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93.91	-1.24699
93.92	-1.26087
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93.99	-1.35442
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94.39	-2.0968
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94.41	-2.15024
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94.43	-2.20462
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94.46	-2.28742
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94.52	-2.45421
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94.55	-2.53634

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94.6	-2.66808
94.61	-2.69336
94.62	-2.7182
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94.64	-2.76649
94.65	-2.78987
94.66	-2.81271
94.67	-2.83499
94.68	-2.85668
94.69	-2.87775
94.7	-2.8982
94.71	-2.918
94.72	-2.93713
94.73	-2.95558
94.74	-2.97333
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94.76	-3.00671
94.77	-3.02231
94.78	-3.03718
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94.82	-3.08923
94.83	-3.10038
94.84	-3.11079
94.85	-3.12045
94.86	-3.12938
94.87	-3.13758
94.88	-3.14505
94.89	-3.1518
94.9	-3.15785
94.91	-3.1632
94.92	-3.16786
94.93	-3.17185
94.94	-3.17517
94.95	-3.17783
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94.98	-3.18204
94.99	-3.18222
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95.31	-2.92877
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97.62	0.925194
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97.65	0.878798
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97.77	0.701338
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97.83	0.618744
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97.85	0.592207

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98.87	-0.599908
98.88	-0.600194
98.89	-0.599736
98.9	-0.598523
98.91	-0.596543
98.92	-0.593785
98.93	-0.590242
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98.95	-0.58076

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99.58	1.09555
99.59	1.13208
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99.85	1.95953
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99.91	2.10094
99.92	2.12237
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99.96	2.20192
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100.37	2.55614
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129.41	-1.06734
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129.49	-1.09761
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129.65	-1.11607
129.66	-1.11619
129.67	-1.11627
129.68	-1.11632
129.69	-1.11636
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129.71	-1.11645
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129.75	-1.11702

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130.3	-1.20558

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136.56	0.0646556
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136.61	0.149831
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136.63	0.183341
136.64	0.199983
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136.67	0.249493
136.68	0.265869
136.69	0.282189
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136.74	0.363077
136.75	0.379142
136.76	0.395178
136.77	0.41119
136.78	0.427179
136.79	0.443149
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136.81	0.47504
136.82	0.490964
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136.85	0.538653
136.86	0.55452
136.87	0.570368
136.88	0.586194
136.89	0.601996
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143.72	0.252337
143.73	0.261318
143.74	0.270468
143.75	0.27978
143.76	0.289249
143.77	0.29887
143.78	0.308637
143.79	0.318544
143.8	0.328584
143.81	0.338751
143.82	0.349037
143.83	0.359434
143.84	0.369936
143.85	0.380534
143.86	0.39122
143.87	0.401986
143.88	0.412823
143.89	0.423722
143.9	0.434676
143.91	0.445674
143.92	0.456708
143.93	0.46777
143.94	0.478849
143.95	0.489937
143.96	0.501024
143.97	0.512103
143.98	0.523163
143.99	0.534197
144	0.545194
144.01	0.556148
144.02	0.567049
144.03	0.577889
144.04	0.58866
144.05	0.599354

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145.53	1.43517
145.54	1.43435
145.55	1.43331
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151.17	-0.165494
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151.2	-0.160116

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151.47	-0.00846667
151.48	0.00197619
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151.5	0.023941
151.51	0.0354497
151.52	0.0472986
151.53	0.0594785
151.54	0.071979
151.55	0.084789
151.56	0.0978963
151.57	0.111288
151.58	0.12495
151.59	0.138867
151.6	0.153025
151.61	0.167407
151.62	0.181997
151.63	0.196776
151.64	0.211728
151.65	0.226834
151.66	0.242075
151.67	0.257433
151.68	0.272889
151.69	0.288422
151.7	0.304015
151.71	0.319646
151.72	0.335298
151.73	0.35095
151.74	0.366583
151.75	0.382179

151.76	0.39772
151.77	0.413187
151.78	0.428562
151.79	0.443828
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151.82	0.48881
151.83	0.503481
151.84	0.517967
151.85	0.532255
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151.93	0.638136
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151.96	0.673479
151.97	0.684696
151.98	0.695628
151.99	0.706276
152	0.71664
152.01	0.726723
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152.03	0.746055
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152.05	0.764303
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152.09	0.79773
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152.12	0.820344
152.13	0.827459
152.14	0.83438
152.15	0.841114
152.16	0.847672
152.17	0.854064
152.18	0.8603
152.19	0.86639
152.2	0.872343
152.21	0.878171
152.22	0.883881
152.23	0.889485
152.24	0.894991
152.25	0.900407
152.26	0.905743
152.27	0.911007
152.28	0.916205
152.29	0.921346
152.3	0.926436

152.31	0.931482
152.32	0.936488
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152.34	0.946402
152.35	0.951318
152.36	0.956211
152.37	0.961084
152.38	0.965938
152.39	0.970774
152.4	0.975593
152.41	0.980394
152.42	0.985177
152.43	0.989941
152.44	0.994682
152.45	0.999399
152.46	1.00409
152.47	1.00874
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152.5	1.02247
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152.61	1.06724
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152.66	1.08271
152.67	1.0853
152.68	1.08769
152.69	1.08989
152.7	1.09189
152.71	1.09368
152.72	1.09525
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152.75	1.09859
152.76	1.09924
152.77	1.09964
152.78	1.09979
152.79	1.09969
152.8	1.09933
152.81	1.09871
152.82	1.09784
152.83	1.0967
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152.86	1.09173
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152.88	1.0871
152.89	1.08439
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152.91	1.07822
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152.95	1.0629
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152.98	1.04894
152.99	1.04385
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153.4	0.740481

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153.51	0.658872
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153.75	0.501601
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153.77	0.488995
153.78	0.48266
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158.71	0.102206
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158.73	0.117717
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158.76	0.14441
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166.57	2.72987
166.58	2.74575
166.59	2.76148
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173.86	-0.351733
173.87	-0.367696
173.88	-0.383498
173.89	-0.399122
173.9	-0.414553
173.91	-0.429777
173.92	-0.44478
173.93	-0.459549
173.94	-0.47407
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173.97	-0.516024
173.98	-0.529435
173.99	-0.542543
174	-0.555337
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174.03	-0.591763
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174.07	-0.635525
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174.09	-0.655266
174.1	-0.664594
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174.15	-0.705794
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174.17	-0.719771
174.18	-0.726238
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174.21	-0.743609
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174.27	-0.769873
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174.29	-0.776366
174.3	-0.779233

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174.32	-0.78426
174.33	-0.786442
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174.35	-0.790199
174.36	-0.791796
174.37	-0.79322
174.38	-0.794483
174.39	-0.795596
174.4	-0.796571
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175.71	-0.770452
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176.99	-0.392302
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177.67	0.241312
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178.13	0.959544
178.14	0.973753
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178.19	1.04651
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178.67	1.84264
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178.76	1.94986
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182.26	-1.68554
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182.67	-2.62353
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182.7	-2.66384
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183.67	-2.57134
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188.92	1.06279
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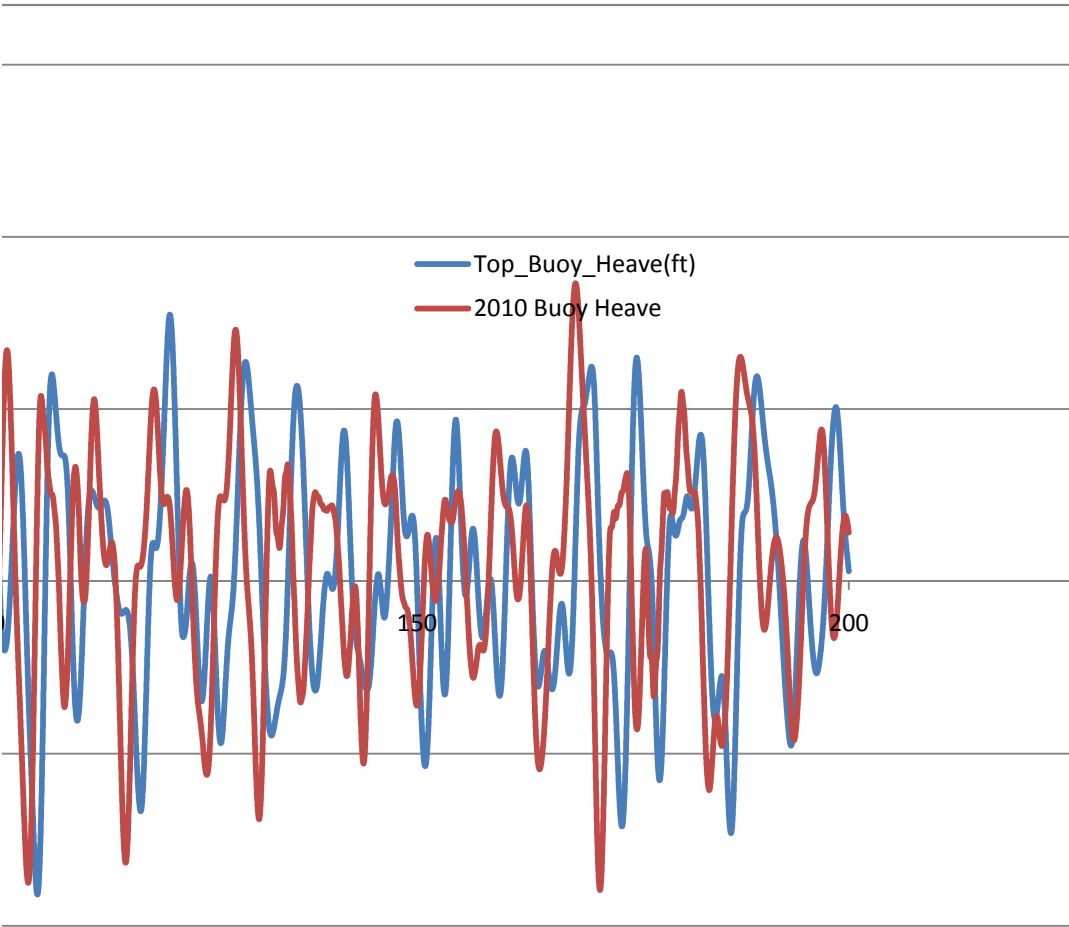
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Min

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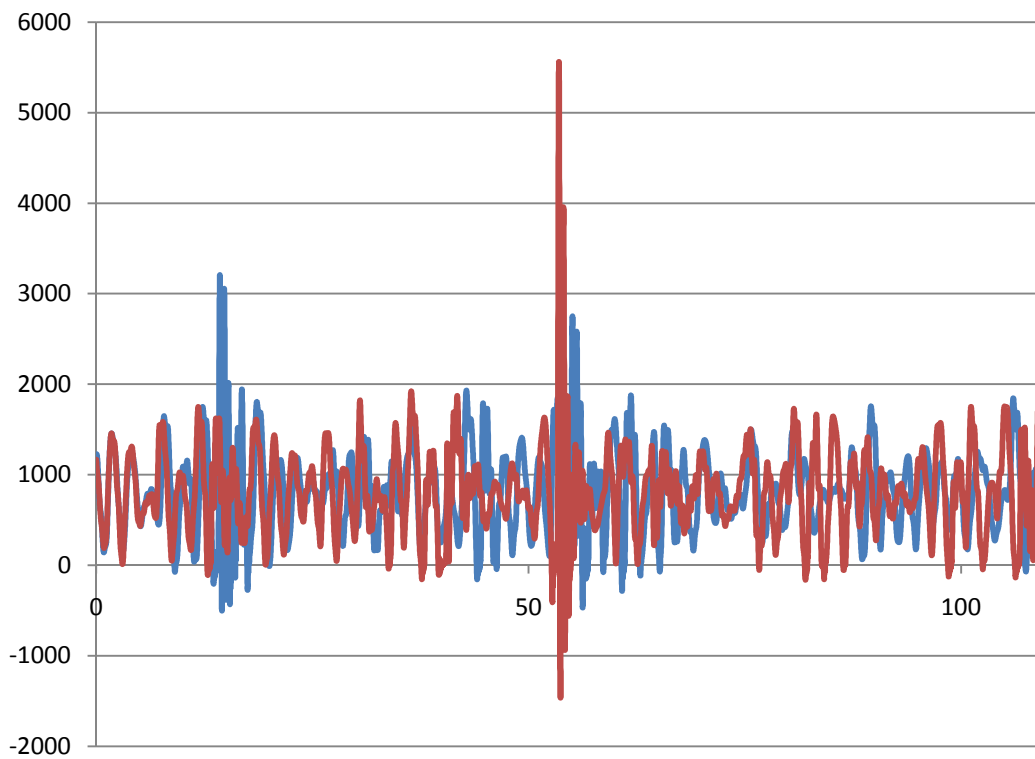
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-22.1933	0.356437	-17.723	-81.3718
-22.1936	0.328003	-17.7327	-81.4013
-22.1938	0.299657	-17.7425	-81.4307
-22.1938	0.271424	-17.7523	-81.46
-22.1936	0.243327	-17.7621	-81.4892
-22.1932	0.215387	-17.772	-81.5183
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-16.4213	1.26543	-20.3513	-80.4938
-16.4433	1.28995	-20.3465	-80.4699
-16.4656	1.31416	-20.3417	-80.4466
-16.4881	1.33805	-20.3369	-80.4237
-16.5108	1.36159	-20.3322	-80.4012
-16.5338	1.38476	-20.3275	-80.3793
-16.5569	1.40755	-20.3228	-80.3577
-16.5803	1.42992	-20.3181	-80.3367
-16.6038	1.45186	-20.3135	-80.3161
-16.6275	1.47335	-20.3089	-80.296
-16.6513	1.49437	-20.3044	-80.2763
-16.6753	1.51489	-20.2998	-80.2571
-16.6994	1.5349	-20.2952	-80.2383
-16.7237	1.55437	-20.2907	-80.22
-16.748	1.57329	-20.2862	-80.2021
-16.7725	1.59164	-20.2817	-80.1847
-16.797	1.60941	-20.2772	-80.1677
-16.8216	1.62658	-20.2726	-80.1511
-16.8463	1.64313	-20.2681	-80.1351
-16.8711	1.65907	-20.2637	-80.1195
-16.8959	1.67438	-20.2592	-80.1043
-16.9208	1.68905	-20.2547	-80.0896
-16.9457	1.70308	-20.2502	-80.0755
-16.9706	1.71646	-20.2458	-80.0618
-16.9956	1.7292	-20.2414	-80.0486
-17.0205	1.7413	-20.237	-80.036
-17.0455	1.75274	-20.2326	-80.024
-17.0705	1.76355	-20.2282	-80.0125
-17.0955	1.77373	-20.2239	-80.0015
-17.1204	1.78327	-20.2196	-79.9912
-17.1454	1.79218	-20.2153	-79.9815
-17.1703	1.80048	-20.211	-79.9724
-17.1951	1.80817	-20.2068	-79.964
-17.22	1.81525	-20.2026	-79.9563
-17.2448	1.82174	-20.1985	-79.9492
-17.2695	1.82764	-20.1944	-79.9428
-17.2942	1.83296	-20.1903	-79.9372
-17.3188	1.8377	-20.1863	-79.9322
-17.3433	1.84186	-20.1823	-79.928
-17.3678	1.84547	-20.1783	-79.9245
-17.3922	1.84851	-20.1744	-79.9217
-17.4165	1.85099	-20.1705	-79.9196

-17.4407	1.85291	-20.1666	-79.9183
-17.4648	1.85428	-20.1627	-79.9176
-17.4888	1.8551	-20.1588	-79.9177
-17.5127	1.85536	-20.155	-79.9185
-17.5365	1.85506	-20.1512	-79.92
-17.5602	1.8542	-20.1473	-79.9221
-17.5838	1.85279	-20.1435	-79.9248
-17.6072	1.85082	-20.1397	-79.9282
-17.6305	1.84829	-20.1358	-79.9322
-17.6537	1.84519	-20.132	-79.9368
-17.6768	1.84154	-20.1281	-79.942
-17.6997	1.83732	-20.1242	-79.9477
-17.7224	1.83254	-20.1203	-79.9539
-17.745	1.8272	-20.1164	-79.9606
-17.7675	1.82131	-20.1124	-79.9678
-17.7898	1.81487	-20.1085	-79.9754
-17.812	1.80789	-20.1044	-79.9835
-17.834	1.80038	-20.1004	-79.992
-17.8558	1.79235	-20.0963	-80.0009
-17.8775	1.7838	-20.0922	-80.0102
-17.899	1.77476	-20.088	-80.0199
-17.9203	1.76523	-20.0838	-80.0299
-17.9415	1.75524	-20.0795	-80.0403
-17.9625	1.74481	-20.0752	-80.051
-17.9833	1.73396	-20.0709	-80.062
-18.0039	1.7227	-20.0665	-80.0734
-18.0243	1.71106	-20.062	-80.085
-18.0445	1.69907	-20.0576	-80.097
-18.0646	1.68675	-20.053	-80.1093
-18.0844	1.67412	-20.0485	-80.1219
-18.104	1.66123	-20.0438	-80.1349
-18.1234	1.64808	-20.0392	-80.1481
-18.1427	1.63471	-20.0345	-80.1616
-18.1617	1.62115	-20.0298	-80.1754
-18.1804	1.60742	-20.0251	-80.1896
-18.199	1.59355	-20.0203	-80.204
-18.2174	1.57957	-20.0155	-80.2187
-18.2355	1.5655	-20.0108	-80.2337
-18.2534	1.55136	-20.006	-80.2489
-18.2711	1.53718	-20.0012	-80.2644
-18.2886	1.52298	-19.9964	-80.2802
-18.3058	1.50879	-19.9916	-80.2962
-18.3228	1.49461	-19.9868	-80.3124
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-18.3561	1.46639	-19.9772	-80.3454
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-18.4044	1.42466	-19.9627	-80.3959
-18.4201	1.41096	-19.9579	-80.4129
-18.4356	1.3974	-19.9531	-80.43
-18.4509	1.38398	-19.9482	-80.4471
-18.4659	1.37071	-19.9434	-80.4641
-18.4808	1.3576	-19.9386	-80.4811
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-18.5101	1.33194	-19.9288	-80.5148

-18.5245	1.3194	-19.924	-80.5315
-18.5388	1.30706	-19.9191	-80.5479
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-18.5668	1.28306	-19.9093	-80.5801
-18.5807	1.2714	-19.9045	-80.5958
-18.5945	1.26	-19.8996	-80.6112
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-18.6217	1.23799	-19.8899	-80.641
-18.6352	1.22739	-19.8851	-80.6554
-18.6486	1.21709	-19.8803	-80.6693
-18.662	1.20709	-19.8755	-80.6829
-18.6754	1.1974	-19.8708	-80.696
-18.6887	1.18804	-19.866	-80.7086
-18.702	1.179	-19.8613	-80.7208
-18.7152	1.17031	-19.8567	-80.7326
-18.7285	1.16198	-19.852	-80.7438
-18.7418	1.154	-19.8474	-80.7546
-18.755	1.1464	-19.8428	-80.7649
-18.7683	1.13918	-19.8383	-80.7747
-18.7817	1.13235	-19.8338	-80.784
-18.7951	1.12591	-19.8293	-80.7927
-18.8085	1.11987	-19.8249	-80.801
-18.822	1.11425	-19.8205	-80.8088
-18.8356	1.10903	-19.8162	-80.816
-18.8492	1.10423	-19.8119	-80.8228
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-18.8768	1.09588	-19.8033	-80.8348
-18.8907	1.09233	-19.7991	-80.84
-18.9048	1.0892	-19.795	-80.8447
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-18.9333	1.08419	-19.7867	-80.8526
-18.9477	1.0823	-19.7827	-80.8558
-18.9623	1.08081	-19.7786	-80.8585
-18.9771	1.07972	-19.7746	-80.8607
-18.992	1.07901	-19.7706	-80.8623
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-19.0378	1.07911	-19.7589	-80.8641
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-19.1175	1.08604	-19.7399	-80.8566
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-19.3419	1.13417	-19.6943	-80.7797
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-19.3781	1.14446	-19.6879	-80.762
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-19.5078	1.18518	-19.6665	-80.6948
-19.5266	1.19153	-19.6636	-80.6851
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-19.5645	1.20459	-19.6579	-80.6657
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-19.6215	1.22495	-19.6497	-80.6378
-19.6406	1.2319	-19.647	-80.6289
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-19.6789	1.246	-19.6418	-80.6119
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-19.9443	1.34028	-19.6078	-80.5296
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-20.1872	1.38083	-19.5761	-80.5048
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-20.3207	1.35644	-19.5561	-80.5155
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-20.4852	1.23465	-19.5242	-80.6055
-20.4933	1.22365	-19.5221	-80.615
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-20.5083	1.20079	-19.518	-80.6353
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-20.5405	1.13908	-19.508	-80.6914
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-20.5796	1.03105	-19.4926	-80.7916
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-20.6647	0.75852	-19.456	-81.1023

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-20.6776	0.735458	-19.4525	-81.1433
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-20.6921	0.715268	-19.4494	-81.1827
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-22.5196	1.70768	-19.4821	-80.1373
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-25.5035	1.5844	-19.485	-80.0258
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-25.8884	1.33274	-19.479	-80.2605
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-23.998	-3.14673	-20.1545	-84.932
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-22.1384	4.65241	-21.8974	-77.1851
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-22.251	4.66518	-21.9031	-77.1795
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-23.0946	4.74236	-21.9437	-77.1363
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-24.856	4.84503	-22.0309	-76.9974
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-37.3712	4.69222	-23.2464	-75.8521
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-37.3799	-0.570672	-29.868	-82.0701
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-37.3857	-0.542208	-29.908	-82.0398
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-37.4242	-0.356679	-30.1064	-81.882
-37.429	-0.334046	-30.1264	-81.8658
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-38.2168	2.4486	-31.7333	-79.1861
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-38.2721	2.55912	-31.7955	-79.0586
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-41.1016	0.231663	-37.9275	-81.6018
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-36.4831	0.642043	-38.8349	-81.0295
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-36.556	0.62832	-38.7769	-81.314
-36.5631	0.626766	-38.7698	-81.332
-36.5703	0.624896	-38.7626	-81.3479
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-38.3871	1.09809	-37.2902	-80.7278
-38.3589	1.09605	-37.2921	-80.729
-38.3305	1.09321	-37.294	-80.731
-38.3017	1.08954	-37.2959	-80.7337
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-38.2429	1.07965	-37.2998	-80.7416
-38.2129	1.07337	-37.3017	-80.7467
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-38.1517	1.05808	-37.3055	-80.7595
-38.1205	1.04905	-37.3074	-80.7672
-38.0889	1.03908	-37.3093	-80.7757
-38.0568	1.02817	-37.3111	-80.7852
-38.0244	1.01633	-37.313	-80.7955
-37.9915	1.00355	-37.3149	-80.8068
-37.9581	0.989857	-37.3167	-80.8191
-37.9244	0.975249	-37.3186	-80.8323
-37.8902	0.959743	-37.3204	-80.8465
-37.8555	0.943354	-37.3222	-80.8618
-37.8205	0.926098	-37.324	-80.878
-37.785	0.907989	-37.3257	-80.8954
-37.749	0.889044	-37.3275	-80.9137
-37.7127	0.869278	-37.3292	-80.9331
-37.676	0.848705	-37.3309	-80.9535
-37.639	0.827337	-37.3326	-80.975
-37.6017	0.805184	-37.3343	-80.9975
-37.5642	0.782255	-37.3359	-81.021
-37.5266	0.758552	-37.3376	-81.0454
-37.4888	0.734081	-37.3392	-81.0708
-37.4509	0.708848	-37.3409	-81.0971
-37.413	0.682864	-37.3425	-81.1242
-37.3752	0.656155	-37.3442	-81.1521
-37.3375	0.628759	-37.3458	-81.1808
-37.2999	0.600724	-37.3475	-81.2103
-37.2626	0.572101	-37.3491	-81.2405
-37.2254	0.542943	-37.3508	-81.2715
-37.1886	0.513301	-37.3525	-81.3033
-37.152	0.483227	-37.3542	-81.3357
-37.1157	0.452773	-37.3558	-81.3688
-37.0798	0.421988	-37.3575	-81.4025
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-37.0089	0.359634	-37.361	-81.4717
-36.974	0.328162	-37.3627	-81.5071
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-36.9053	0.264859	-37.3663	-81.5791

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-36.8379	0.201357	-37.37	-81.6526
-36.8048	0.169626	-37.3719	-81.6896
-36.772	0.137954	-37.3739	-81.7269
-36.7395	0.106369	-37.3759	-81.7642
-36.7074	0.0749011	-37.378	-81.8016
-36.6757	0.0435734	-37.3802	-81.8389
-36.6443	0.0124092	-37.3825	-81.876
-36.6132	-0.0185706	-37.3849	-81.913
-36.5826	-0.049346	-37.3874	-81.9498
-36.5523	-0.0798983	-37.39	-81.9862
-36.5223	-0.110209	-37.3927	-82.0222
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-36.4635	-0.170037	-37.3986	-82.0927
-36.4347	-0.199518	-37.4018	-82.1271
-36.4062	-0.228686	-37.405	-82.1609
-36.3781	-0.257524	-37.4083	-82.194
-36.3503	-0.286013	-37.4117	-82.2263
-36.3228	-0.314135	-37.4152	-82.2579
-36.2956	-0.34187	-37.4187	-82.2887
-36.2688	-0.369199	-37.4222	-82.3186
-36.2422	-0.396102	-37.4258	-82.3476
-36.2159	-0.42256	-37.4294	-82.3758
-36.19	-0.448552	-37.4329	-82.403
-36.1642	-0.474059	-37.4365	-82.4293
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-36.064	-0.570816	-37.4502	-82.5252
-36.0396	-0.593585	-37.4536	-82.5469
-36.0154	-0.615746	-37.4568	-82.5677
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-35.9678	-0.658161	-37.4631	-82.6066
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-35.9212	-0.697911	-37.4691	-82.6422
-35.8983	-0.716741	-37.472	-82.6588
-35.8756	-0.734854	-37.4749	-82.6746
-35.8531	-0.752233	-37.4776	-82.6897
-35.8309	-0.768865	-37.4803	-82.7041
-35.8089	-0.784738	-37.4828	-82.7178
-35.7871	-0.79984	-37.4854	-82.7309
-35.7656	-0.814161	-37.4878	-82.7433
-35.7443	-0.827694	-37.4902	-82.7551
-35.7233	-0.840432	-37.4924	-82.7664
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-35.6818	-0.863506	-37.4968	-82.7871
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-35.5625	-0.913499	-37.508	-82.8364
-35.5433	-0.919067	-37.5097	-82.8427
-35.5243	-0.923865	-37.5112	-82.8485
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-35.4868	-0.931195	-37.5142	-82.8583
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-35.1875	-0.886212	-37.5275	-82.829
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-34.9948	-0.77284	-37.5242	-82.6906
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-34.9583	-0.74587	-37.5226	-82.6572
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-34.3419	-0.119163	-37.4724	-81.989
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-33.0033	0.518809	-36.6462	-81.3052
-33.0173	0.53266	-36.6372	-81.2923
-33.0315	0.546644	-36.6282	-81.2792
-33.0459	0.560739	-36.6191	-81.2662
-33.0606	0.574924	-36.6101	-81.253
-33.0755	0.589179	-36.6011	-81.2398
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-33.1371	0.646468	-36.5647	-81.1864
-33.1529	0.660752	-36.5555	-81.1729
-33.1688	0.674981	-36.5463	-81.1594
-33.1849	0.689134	-36.5371	-81.1458
-33.2012	0.703192	-36.5279	-81.1322
-33.2175	0.717139	-36.5187	-81.1186
-33.234	0.730956	-36.5094	-81.1049
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-33.2672	0.758137	-36.4908	-81.0777
-33.2839	0.77147	-36.4815	-81.0641
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-33.3175	0.797555	-36.4627	-81.0371
-33.3343	0.810282	-36.4534	-81.0237
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-34.1886	0.390663	-35.7513	-81.3823
-34.191	0.362199	-35.743	-81.4109
-34.1933	0.333205	-35.7347	-81.4401
-34.1954	0.303693	-35.7264	-81.4697

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-34.1992	0.243167	-35.7099	-81.5305
-34.2008	0.212184	-35.7017	-81.5616
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-34.1966	-0.474355	-35.5429	-82.2689
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-31.3752	-0.0420457	-34.0698	-81.8571
-31.3722	-0.0239061	-34.0625	-81.839
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-31.3632	0.0281496	-34.0408	-81.7872
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-31.3572	0.0608724	-34.0264	-81.7547
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-31.3284	0.201255	-33.9542	-81.6178
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-31.3165	0.258119	-33.9179	-81.5647
-31.3146	0.268563	-33.9106	-81.5552
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-31.3085	0.307609	-33.8813	-81.5208
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-31.313	0.397814	-33.798	-81.4487
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-31.7418	0.701036	-33.467	-81.1811
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-32.0602	0.845662	-33.3517	-81.0265
-32.0879	0.857922	-33.343	-81.0139
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-32.1447	0.882917	-33.3256	-80.9886
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-53.9005	0.960864	-45.0263	-80.3915
-53.9028	0.947754	-45.0462	-80.4073
-53.9051	0.934691	-45.0661	-80.4231
-53.9073	0.921674	-45.0861	-80.4389
-53.9096	0.908705	-45.1061	-80.4547
-53.9118	0.895785	-45.1262	-80.4705
-53.9141	0.882915	-45.1463	-80.4863
-53.9164	0.870094	-45.1664	-80.5021
-53.9187	0.857322	-45.1866	-80.5179
-53.9211	0.844599	-45.2068	-80.5337
-53.9234	0.831925	-45.2271	-80.5495
-53.9259	0.819298	-45.2474	-80.5653
-53.9283	0.806716	-45.2678	-80.5811
-53.9309	0.794179	-45.2882	-80.5969
-53.9334	0.781684	-45.3086	-80.6126
-53.9361	0.769228	-45.3291	-80.6283
-53.9388	0.75681	-45.3496	-80.644
-53.9416	0.744427	-45.3701	-80.6597
-53.9445	0.732075	-45.3906	-80.6753
-53.9475	0.719752	-45.4112	-80.6909
-53.9506	0.707454	-45.4318	-80.7064
-53.9538	0.695178	-45.4524	-80.7219
-53.957	0.682921	-45.4731	-80.7374
-53.9603	0.670678	-45.4938	-80.7528
-53.9637	0.658446	-45.5144	-80.7682
-53.9672	0.646223	-45.5351	-80.7835
-53.9707	0.634005	-45.5559	-80.7987

-53.9742	0.621791	-45.5766	-80.8139
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-53.9814	0.597366	-45.6181	-80.8441
-53.985	0.585154	-45.6389	-80.8591
-53.9886	0.572942	-45.6597	-80.874
-53.9921	0.560728	-45.6805	-80.8889
-53.9957	0.548514	-45.7012	-80.9037
-53.9992	0.536301	-45.722	-80.9184
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-54.0061	0.511882	-45.7636	-80.9477
-54.0095	0.499679	-45.7844	-80.9622
-54.0129	0.487483	-45.8052	-80.9767
-54.0161	0.475297	-45.826	-80.9911
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-54.0467	0.342773	-46.054	-81.1461
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-54.051	0.319188	-46.0952	-81.1738
-54.053	0.307477	-46.1158	-81.1876
-54.0548	0.295826	-46.1364	-81.2013
-54.0566	0.284237	-46.157	-81.2151
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-54.0597	0.261253	-46.198	-81.2425
-54.0611	0.249862	-46.2186	-81.2561
-54.0624	0.238542	-46.239	-81.2697
-54.0635	0.227293	-46.2595	-81.2833
-54.0645	0.216117	-46.28	-81.2969
-54.0653	0.205014	-46.3004	-81.3104
-54.066	0.193986	-46.3208	-81.3239
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-53.8757	-0.294839	-47.4324	-81.9195
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-53.617	1.34994	-52.8201	-80.5647
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-53.898	1.42794	-52.8446	-80.4856
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-54.0786	1.482	-52.8605	-80.4315
-54.115	1.49332	-52.8637	-80.4202
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-55.9213	2.23248	-53.0633	-79.6219
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-56.7486	2.61815	-53.2012	-79.1829
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-65.7505	1.81602	-61.5723	-80.0022
-65.7996	1.80407	-61.5747	-80.0125
-65.849	1.79224	-61.5772	-80.0226

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-65.9483	1.76894	-61.5823	-80.0419
-65.9983	1.7575	-61.585	-80.0511
-66.0484	1.7462	-61.5876	-80.0601
-66.0988	1.73505	-61.5904	-80.0688
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-67.2954	1.53854	-61.67	-80.1996
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-73.8138	0.284249	-65.5907	-81.1693
-73.827	0.307582	-65.611	-81.1452

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-74.1591	0.706844	-66.0103	-80.736
-74.1794	0.723054	-66.03	-80.7195
-74.2001	0.738871	-66.0497	-80.7033
-74.2212	0.754291	-66.0695	-80.6874
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-74.3796	0.850903	-66.2074	-80.5866
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-74.7825	0.990381	-66.5026	-80.428
-74.812	0.996578	-66.5222	-80.4202
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-74.9946	1.02668	-66.6401	-80.381
-75.0259	1.03059	-66.6598	-80.3756
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-75.3499	1.05445	-66.857	-80.3398
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-75.519	1.05724	-66.9564	-80.3323
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-76.2761	1.02218	-67.3867	-80.3525
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-93.7628	0.559283	-88.301	-81.1232
-93.7619	0.535353	-88.3055	-81.1465
-93.7606	0.511191	-88.31	-81.1699
-93.7589	0.48681	-88.3145	-81.1935
-93.7568	0.462219	-88.319	-81.2173
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-89.8172	1.64481	-90.6537	-80.2211
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-89.9785	1.758	-90.6592	-80.0955
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-90.1417	1.86172	-90.6647	-79.9829
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-90.0868	1.69923	-90.8251	-80.1228
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-90.1584	1.67278	-90.8118	-80.1534
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-90.2288	1.64084	-90.7985	-80.1901
-90.252	1.62894	-90.794	-80.2035
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-88.8138	-0.983434	-90.0144	-82.9065
-88.8149	-0.970778	-90.0117	-82.8913
-88.8162	-0.957884	-90.0089	-82.8758
-88.8177	-0.944748	-90.0062	-82.8599
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-88.8234	-0.903866	-89.9979	-82.8106
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-88.856	-0.734736	-89.9668	-82.6213
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-88.863	-0.700992	-89.961	-82.5875
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-88.87	-0.666534	-89.9553	-82.5542
-88.8735	-0.64908	-89.9524	-82.5378
-88.8769	-0.631502	-89.9495	-82.5215
-88.8803	-0.613821	-89.9466	-82.5053
-88.8836	-0.596061	-89.9437	-82.4892
-88.8868	-0.578243	-89.9408	-82.4732
-88.89	-0.560394	-89.9379	-82.4572
-88.893	-0.542537	-89.9349	-82.4413
-88.8959	-0.5247	-89.932	-82.4255
-88.8986	-0.506908	-89.929	-82.4096
-88.9012	-0.489187	-89.926	-82.3938
-88.9035	-0.471563	-89.923	-82.3779
-88.9057	-0.454062	-89.92	-82.362
-88.9077	-0.436708	-89.917	-82.346
-88.9095	-0.419525	-89.9139	-82.3299
-88.911	-0.402535	-89.9108	-82.3138
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-88.9052	-0.193221	-89.8651	-82.0779
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-88.7382	0.0851825	-89.7553	-81.7475
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-88.6128	-0.0603204	-89.6916	-81.9195
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-88.5865	-0.13918	-89.6739	-82.038
-88.5841	-0.149452	-89.6717	-82.0534
-88.5819	-0.159793	-89.6695	-82.0687
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-88.5766	-0.191156	-89.6629	-82.1136
-88.5754	-0.201686	-89.6607	-82.1282
-88.5744	-0.212231	-89.6584	-82.1424
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-88.573	-0.233302	-89.6539	-82.1697
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-88.573	-0.264568	-89.647	-82.2073
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-88.5819	-0.332561	-89.6302	-82.2761
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-88.6291	-0.410338	-89.6	-82.3297
-88.635	-0.413572	-89.5974	-82.3309
-88.6412	-0.416228	-89.5948	-82.3317
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-88.662	-0.420638	-89.5871	-82.3315
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-88.9536	-0.259198	-89.5208	-82.1872
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-91.1714	1.66125	-89.2714	-80.1635
-91.1855	1.64673	-89.271	-80.1792
-91.1995	1.63185	-89.2707	-80.1953
-91.2134	1.61662	-89.2705	-80.2118
-91.2273	1.60106	-89.2702	-80.2288
-91.241	1.58519	-89.27	-80.2461
-91.2547	1.56904	-89.2698	-80.2639
-91.2683	1.55261	-89.2696	-80.2821
-91.2818	1.53593	-89.2694	-80.3006
-91.2952	1.51901	-89.2692	-80.3195
-91.3085	1.50188	-89.2691	-80.3388
-91.3217	1.48454	-89.269	-80.3583
-91.3347	1.46701	-89.2689	-80.3783
-91.3476	1.4493	-89.2688	-80.3985
-91.3605	1.43144	-89.2687	-80.419
-91.3731	1.41342	-89.2687	-80.4397
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-91.4103	1.35856	-89.2688	-80.5033
-91.4224	1.34004	-89.2688	-80.5248
-91.4344	1.32141	-89.269	-80.5465
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-91.4696	1.26499	-89.2695	-80.6118
-91.4811	1.24604	-89.2697	-80.6336
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-91.5039	1.20796	-89.2704	-80.677
-91.5152	1.18885	-89.2708	-80.6985
-91.5264	1.16972	-89.2712	-80.7199
-91.5375	1.15057	-89.2717	-80.7412
-91.5486	1.13142	-89.2722	-80.7622
-91.5596	1.11228	-89.2728	-80.7829
-91.5706	1.09316	-89.2734	-80.8035
-91.5815	1.07408	-89.2741	-80.8237
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-91.6032	1.03611	-89.2757	-80.8632
-91.6141	1.01725	-89.2765	-80.8824
-91.6248	0.998505	-89.2774	-80.9013
-91.6356	0.97989	-89.2783	-80.9198
-91.6463	0.961425	-89.2793	-80.9379
-91.6569	0.943131	-89.2803	-80.9556
-91.6676	0.925031	-89.2813	-80.973
-91.6781	0.907145	-89.2824	-80.9899
-91.6887	0.889495	-89.2835	-81.0065
-91.6992	0.872104	-89.2847	-81.0227
-91.7096	0.854993	-89.2858	-81.0384
-91.72	0.838184	-89.287	-81.0538
-91.7304	0.821699	-89.2883	-81.0689
-91.7407	0.805558	-89.2895	-81.0836
-91.7509	0.789781	-89.2908	-81.0979
-91.7611	0.774388	-89.2921	-81.1119
-91.7712	0.759397	-89.2934	-81.1255
-91.7813	0.744825	-89.2948	-81.1389
-91.7913	0.730689	-89.2961	-81.1519

-91.8012	0.717003	-89.2975	-81.1647
-91.8111	0.703781	-89.2989	-81.1771
-91.8209	0.691034	-89.3003	-81.1892
-91.8306	0.678772	-89.3017	-81.2011
-91.8402	0.667004	-89.3031	-81.2127
-91.8498	0.655737	-89.3046	-81.224
-91.8593	0.644976	-89.306	-81.235
-91.8688	0.634723	-89.3075	-81.2457
-91.8781	0.624981	-89.309	-81.2562
-91.8874	0.61575	-89.3105	-81.2663
-91.8967	0.607026	-89.312	-81.2761
-91.9059	0.598807	-89.3135	-81.2856
-91.915	0.591088	-89.3151	-81.2948
-91.924	0.583861	-89.3167	-81.3035
-91.933	0.577119	-89.3183	-81.312
-91.942	0.570852	-89.3199	-81.32
-91.9509	0.565049	-89.3216	-81.3276
-91.9597	0.559698	-89.3233	-81.3348
-91.9685	0.554785	-89.3251	-81.3415
-91.9772	0.550297	-89.3268	-81.3478
-91.9859	0.546218	-89.3287	-81.3536
-91.9945	0.542535	-89.3305	-81.3588
-92.0031	0.539231	-89.3324	-81.3636
-92.0115	0.536292	-89.3344	-81.3678
-92.0199	0.533703	-89.3364	-81.3715
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-92.0444	0.527891	-89.3427	-81.3791
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-92.0601	0.525515	-89.3472	-81.3814
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-92.1035	0.524696	-89.3618	-81.3749
-92.1101	0.525408	-89.3644	-81.372
-92.1164	0.526351	-89.367	-81.3687
-92.1226	0.527525	-89.3697	-81.365
-92.1285	0.528928	-89.3724	-81.3609
-92.1342	0.530561	-89.3752	-81.3565
-92.1397	0.532423	-89.378	-81.3517
-92.145	0.534515	-89.3808	-81.3467
-92.15	0.536839	-89.3837	-81.3414
-92.1548	0.539395	-89.3865	-81.3359
-92.1594	0.542186	-89.3894	-81.3302
-92.1637	0.545211	-89.3924	-81.3244
-92.1677	0.548472	-89.3953	-81.3184
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-92.1751	0.555698	-89.4012	-81.3064
-92.1784	0.55966	-89.4042	-81.3003
-92.1814	0.563852	-89.4072	-81.2942
-92.1843	0.56827	-89.4102	-81.2882
-92.1868	0.572908	-89.4133	-81.2822
-92.1891	0.57776	-89.4163	-81.2763

-92.1912	0.582817	-89.4193	-81.2704
-92.193	0.58807	-89.4224	-81.2646
-92.1945	0.593507	-89.4254	-81.2589
-92.1958	0.599117	-89.4285	-81.2533
-92.1969	0.604885	-89.4316	-81.2478
-92.1977	0.610795	-89.4347	-81.2424
-92.1982	0.616831	-89.4378	-81.237
-92.1985	0.622975	-89.4409	-81.2317
-92.1985	0.629207	-89.444	-81.2265
-92.1983	0.635507	-89.4472	-81.2214
-92.1979	0.641854	-89.4504	-81.2162
-92.1972	0.648228	-89.4536	-81.2111
-92.1963	0.654606	-89.4568	-81.206
-92.1953	0.660966	-89.46	-81.2009
-92.1941	0.667287	-89.4633	-81.1957
-92.1927	0.673546	-89.4666	-81.1905
-92.1912	0.679721	-89.4699	-81.1853
-92.1896	0.685792	-89.4733	-81.18
-92.188	0.691738	-89.4767	-81.1746
-92.1863	0.69754	-89.4801	-81.1691
-92.1845	0.703177	-89.4835	-81.1636
-92.1828	0.708634	-89.487	-81.158
-92.1811	0.713893	-89.4905	-81.1523
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-92.1758	0.75904	-89.5779	-81.0525
-92.1777	0.757005	-89.5814	-81.0534
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-92.1895	0.740693	-89.5983	-81.0678
-92.1922	0.73607	-89.6016	-81.0727
-92.1949	0.730945	-89.6049	-81.0782

-92.1977	0.725296	-89.6081	-81.0843
-92.2005	0.719103	-89.6114	-81.0911
-92.2032	0.712343	-89.6146	-81.0985
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-92.2286	0.533146	-89.6628	-81.2776
-92.2285	0.515808	-89.6659	-81.2939
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-92.2276	0.479245	-89.6722	-81.3282
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-92.201	0.239622	-89.7046	-81.5608
-92.1966	0.215145	-89.7073	-81.5858
-92.1918	0.190289	-89.71	-81.6114
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-89.9992	0.505992	-90.2301	-81.3013
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-92.208	1.79768	-90.2407	-79.9693
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-95.2558	-1.00512	-96.7721	-82.9562
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-100.925	0.333533	-97.3844	-81.4013
-100.922	0.307527	-97.3879	-81.4323
-100.919	0.281929	-97.3914	-81.4631
-100.916	0.256728	-97.395	-81.4936
-100.912	0.231912	-97.3986	-81.5239
-100.908	0.207468	-97.4023	-81.554
-100.904	0.183384	-97.4061	-81.5838
-100.899	0.159647	-97.4099	-81.6133
-100.894	0.136245	-97.4138	-81.6424
-100.888	0.113167	-97.4177	-81.6713
-100.882	0.0904008	-97.4218	-81.6998
-100.875	0.067936	-97.4259	-81.7279
-100.868	0.045762	-97.4302	-81.7557
-100.86	0.0238688	-97.4345	-81.783
-100.852	0.00224746	-97.439	-81.8099
-100.843	-0.0191104	-97.4435	-81.8364
-100.834	-0.0402121	-97.4482	-81.8624
-100.824	-0.0610642	-97.4529	-81.8879
-100.814	-0.0816719	-97.4578	-81.9129
-100.804	-0.102039	-97.4627	-81.9375
-100.793	-0.12217	-97.4678	-81.9615
-100.781	-0.142065	-97.4729	-81.985
-100.769	-0.161726	-97.478	-82.0079
-100.757	-0.181152	-97.4833	-82.0304
-100.744	-0.200341	-97.4886	-82.0523
-100.731	-0.21929	-97.4939	-82.0737
-100.717	-0.237995	-97.4993	-82.0945
-100.703	-0.256452	-97.5048	-82.1149
-100.688	-0.274655	-97.5103	-82.1347
-100.674	-0.292596	-97.5158	-82.1541
-100.658	-0.31027	-97.5213	-82.173
-100.642	-0.327668	-97.5269	-82.1914
-100.626	-0.344782	-97.5325	-82.2094
-100.61	-0.361604	-97.5381	-82.227
-100.593	-0.378126	-97.5437	-82.2442
-100.576	-0.39434	-97.5493	-82.2609
-100.558	-0.410238	-97.5549	-82.2773
-100.541	-0.425813	-97.5606	-82.2934
-100.523	-0.441058	-97.5662	-82.3091
-100.504	-0.455968	-97.5718	-82.3246
-100.486	-0.470536	-97.5775	-82.3397
-100.467	-0.48476	-97.5831	-82.3545
-100.448	-0.498637	-97.5887	-82.3691

-100.428	-0.512164	-97.5943	-82.3834
-100.408	-0.525341	-97.6	-82.3975
-100.389	-0.53817	-97.6056	-82.4114
-100.369	-0.550651	-97.6112	-82.425
-100.348	-0.562788	-97.6168	-82.4383
-100.328	-0.574586	-97.6225	-82.4515
-100.308	-0.586049	-97.6281	-82.4644
-100.287	-0.597184	-97.6337	-82.4771
-100.266	-0.607999	-97.6394	-82.4896
-100.245	-0.618501	-97.645	-82.5018
-100.225	-0.628699	-97.6506	-82.5138
-100.204	-0.638603	-97.6563	-82.5255
-100.183	-0.648222	-97.662	-82.5369
-100.162	-0.657566	-97.6676	-82.5481
-100.141	-0.666645	-97.6733	-82.559
-100.12	-0.675469	-97.679	-82.5696
-100.099	-0.684047	-97.6847	-82.5799
-100.078	-0.692388	-97.6905	-82.5899
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-100.037	-0.708393	-97.702	-82.6088
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-99.9161	-0.75144	-97.7369	-82.6571
-99.8967	-0.757931	-97.7427	-82.6639
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-99.6656	-0.824019	-97.8195	-82.7204
-99.6494	-0.827557	-97.8254	-82.7227
-99.6335	-0.830853	-97.8312	-82.7248
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-99.5262	-0.847026	-97.8721	-82.7343
-99.5114	-0.84836	-97.8779	-82.7351
-99.4968	-0.849458	-97.8837	-82.7358
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-99.3679	-0.849988	-97.9349	-82.7377
-99.3537	-0.849187	-97.9405	-82.7375
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-99.311	-0.846064	-97.9572	-82.7367
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-99.0979	-0.827179	-98.0334	-82.726
-99.0812	-0.826191	-98.0387	-82.7251
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-94.4652	-1.08333	-98.4249	-82.9264
-94.4629	-1.03582	-98.4204	-82.8783
-94.4614	-0.987976	-98.4158	-82.8297
-94.4606	-0.939822	-98.4111	-82.7806
-94.4606	-0.891378	-98.4063	-82.7311
-94.4614	-0.842665	-98.4015	-82.6811
-94.4629	-0.7937	-98.3966	-82.6307
-94.4652	-0.744503	-98.3917	-82.5799
-94.4683	-0.695093	-98.3866	-82.5286
-94.4721	-0.645485	-98.3815	-82.477
-94.4768	-0.595697	-98.3764	-82.425
-94.4822	-0.545744	-98.3711	-82.3726
-94.4884	-0.495642	-98.3658	-82.3198
-94.4954	-0.445404	-98.3605	-82.2667
-94.5031	-0.395046	-98.3551	-82.2134
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-94.521	-0.294016	-98.3441	-82.106
-94.5311	-0.24337	-98.3386	-82.0519
-94.5419	-0.192653	-98.333	-81.9978
-94.5536	-0.141875	-98.3273	-81.9435
-94.566	-0.0910498	-98.3217	-81.8891
-94.5791	-0.0401873	-98.316	-81.8347
-94.5931	0.0107003	-98.3102	-81.7803
-94.6077	0.0616014	-98.3045	-81.7259
-94.6232	0.112504	-98.2987	-81.6716
-94.6394	0.163394	-98.293	-81.6174
-94.6563	0.21426	-98.2872	-81.5634
-94.674	0.265086	-98.2814	-81.5095
-94.6924	0.315859	-98.2756	-81.4559
-94.7115	0.366562	-98.2698	-81.4026
-94.7314	0.417178	-98.264	-81.3495
-94.7519	0.46769	-98.2582	-81.2968
-94.7731	0.518078	-98.2524	-81.2445
-94.7951	0.568322	-98.2467	-81.1925
-94.8177	0.618401	-98.2409	-81.1409
-94.841	0.668291	-98.2352	-81.0898
-94.8649	0.717971	-98.2295	-81.0392
-94.8894	0.767418	-98.2237	-80.989
-94.9146	0.816612	-98.218	-80.9394
-94.9405	0.86553	-98.2124	-80.8902
-94.967	0.914149	-98.2067	-80.8416
-94.9941	0.962446	-98.201	-80.7935
-95.0218	1.0104	-98.1954	-80.746
-95.0501	1.05797	-98.1898	-80.6991
-95.0791	1.10515	-98.1842	-80.6527
-95.1086	1.15191	-98.1786	-80.6068
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-95.5058	1.67032	-98.1124	-80.1025
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-96.401	2.33836	-97.9988	-79.4311
-96.4457	2.35917	-97.994	-79.4103
-96.4907	2.37914	-97.9893	-79.3904
-96.5359	2.39827	-97.9847	-79.3714
-96.5814	2.41655	-97.9801	-79.3533
-96.6272	2.43399	-97.9755	-79.3362
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-96.7194	2.46629	-97.9663	-79.3047
-96.7659	2.48115	-97.9618	-79.2902
-96.8126	2.49514	-97.9573	-79.2767
-96.8595	2.50826	-97.9528	-79.264
-96.9066	2.52049	-97.9482	-79.2521
-96.9539	2.53184	-97.9437	-79.2411
-97.0014	2.54231	-97.9392	-79.2309
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-97.097	2.56057	-97.9302	-79.2129
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-97.1932	2.57529	-97.9211	-79.198
-97.2415	2.58133	-97.9166	-79.1917
-97.29	2.58649	-97.912	-79.1861
-97.3387	2.59079	-97.9075	-79.1813
-97.3874	2.59422	-97.9029	-79.1772
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-97.4853	2.59854	-97.8938	-79.1712
-97.5344	2.59946	-97.8892	-79.1693
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-97.633	2.59884	-97.88	-79.1676
-97.6824	2.59734	-97.8754	-79.1678
-97.7319	2.59505	-97.8707	-79.1687
-97.7814	2.592	-97.8661	-79.1702
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-97.8808	2.58367	-97.8568	-79.1754
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-97.9803	2.57243	-97.8476	-79.1833
-98.0302	2.56576	-97.8429	-79.1881
-98.08	2.55841	-97.8382	-79.1937
-98.13	2.55039	-97.8336	-79.1999
-98.1799	2.54171	-97.8289	-79.2066
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-98.3297	2.51186	-97.8147	-79.2306
-98.3796	2.50068	-97.81	-79.2398
-98.4295	2.48891	-97.8052	-79.2495
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-98.5292	2.46363	-97.7956	-79.2706
-98.579	2.45015	-97.7908	-79.2819
-98.6288	2.43612	-97.7859	-79.2937
-98.6785	2.42156	-97.781	-79.306
-98.7281	2.40648	-97.7761	-79.3188
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-98.8271	2.3748	-97.766	-79.3457
-98.8765	2.35823	-97.7609	-79.3598
-98.9258	2.34119	-97.7558	-79.3744
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-99.024	2.30575	-97.7453	-79.4047
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-99.2669	2.20985	-97.718	-79.4873
-99.315	2.18954	-97.7123	-79.5048
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-101.066	1.12753	-97.4893	-80.4662
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-94.4572	0.933222	-97.0106	-80.8976
-94.4509	0.939032	-97.0046	-80.8942
-94.4446	0.944647	-96.9987	-80.891
-94.4381	0.95004	-96.9927	-80.888
-94.4315	0.955185	-96.9868	-80.8852
-94.4249	0.960058	-96.9809	-80.8826
-94.4181	0.964635	-96.975	-80.8801
-94.4112	0.968892	-96.9691	-80.8779
-94.4042	0.972807	-96.9633	-80.8758
-94.3971	0.976362	-96.9574	-80.8739
-94.3898	0.979538	-96.9516	-80.8722
-94.3825	0.98232	-96.9458	-80.8706
-94.375	0.984695	-96.94	-80.8692
-94.3674	0.986653	-96.9342	-80.8679
-94.3597	0.988186	-96.9285	-80.8668
-94.3519	0.98929	-96.9227	-80.8659
-94.344	0.989963	-96.917	-80.8651
-94.3361	0.990207	-96.9113	-80.8645
-94.328	0.990028	-96.9056	-80.864
-94.3198	0.989434	-96.8999	-80.8637
-94.3116	0.988436	-96.8942	-80.8636
-94.3033	0.987049	-96.8886	-80.8637
-94.295	0.98529	-96.883	-80.8639
-94.2866	0.983179	-96.8773	-80.8644
-94.2782	0.980738	-96.8718	-80.8651
-94.2697	0.977992	-96.8662	-80.866
-94.2613	0.974966	-96.8606	-80.8671
-94.2529	0.971685	-96.8551	-80.8684
-94.2444	0.968179	-96.8495	-80.8701
-94.236	0.964473	-96.844	-80.8719
-94.2277	0.960596	-96.8385	-80.8741
-94.2194	0.956574	-96.833	-80.8764
-94.2111	0.952434	-96.8276	-80.8791
-94.2029	0.948202	-96.8221	-80.882
-94.1949	0.943901	-96.8167	-80.8852

-94.1869	0.939554	-96.8112	-80.8886
-94.179	0.935181	-96.8058	-80.8923
-94.1712	0.930803	-96.8003	-80.8962
-94.1636	0.926436	-96.7949	-80.9003
-94.1562	0.922095	-96.7895	-80.9046
-94.1488	0.917795	-96.784	-80.909
-94.1417	0.913548	-96.7786	-80.9136
-94.1347	0.909364	-96.7731	-80.9183
-94.1279	0.905252	-96.7677	-80.9231
-94.1213	0.90122	-96.7622	-80.928
-94.1149	0.897275	-96.7567	-80.9329
-94.1088	0.893422	-96.7512	-80.9378
-94.1028	0.889666	-96.7457	-80.9426
-94.0971	0.886013	-96.7401	-80.9474
-94.0916	0.882465	-96.7346	-80.952
-94.0864	0.879028	-96.7289	-80.9565
-94.0814	0.875706	-96.7233	-80.9608
-94.0767	0.872503	-96.7176	-80.965
-94.0722	0.869426	-96.7119	-80.9688
-94.068	0.866479	-96.7061	-80.9725
-94.0641	0.863669	-96.7003	-80.9758
-94.0605	0.861003	-96.6945	-80.9789
-94.0572	0.85849	-96.6886	-80.9816
-94.0542	0.856139	-96.6827	-80.984
-94.0515	0.853959	-96.6767	-80.986
-94.0491	0.851962	-96.6707	-80.9877
-94.047	0.85016	-96.6646	-80.989
-94.0453	0.848564	-96.6585	-80.99
-94.0439	0.847188	-96.6523	-80.9907
-94.0428	0.846045	-96.6461	-80.991
-94.0421	0.84515	-96.6398	-80.9909
-94.0418	0.844516	-96.6336	-80.9906
-94.0418	0.844159	-96.6272	-80.9899
-94.0422	0.844092	-96.6208	-80.989
-94.043	0.844329	-96.6144	-80.9878
-94.0441	0.844884	-96.6079	-80.9863
-94.0457	0.845769	-96.6014	-80.9846
-94.0477	0.846997	-96.5949	-80.9827
-94.05	0.848578	-96.5883	-80.9806
-94.0528	0.850522	-96.5817	-80.9784
-94.0561	0.852839	-96.5751	-80.9759
-94.0598	0.855536	-96.5684	-80.9734
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-94.0684	0.862089	-96.555	-80.9679
-94.0734	0.865953	-96.5482	-80.9649
-94.0789	0.87021	-96.5414	-80.9619
-94.0849	0.874859	-96.5345	-80.9588
-94.0913	0.879898	-96.5277	-80.9556
-94.0982	0.885323	-96.5208	-80.9523
-94.1056	0.891128	-96.5138	-80.9489
-94.1135	0.897305	-96.5068	-80.9454
-94.1218	0.903844	-96.4998	-80.9418
-94.1307	0.910737	-96.4927	-80.938
-94.14	0.917969	-96.4856	-80.9341
-94.1499	0.92553	-96.4785	-80.93

-94.1602	0.933403	-96.4712	-80.9257
-94.171	0.941575	-96.464	-80.9213
-94.1824	0.95003	-96.4566	-80.9165
-94.1942	0.958751	-96.4492	-80.9116
-94.2066	0.967722	-96.4418	-80.9063
-94.2194	0.976927	-96.4342	-80.9008
-94.2328	0.986348	-96.4266	-80.8949
-94.2467	0.99597	-96.4189	-80.8887
-94.261	1.00578	-96.4112	-80.8821
-94.2759	1.01575	-96.4033	-80.8751
-94.2912	1.02588	-96.3954	-80.8678
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-94.3235	1.04655	-96.3793	-80.8518
-94.3403	1.05707	-96.3712	-80.8432
-94.3577	1.06769	-96.363	-80.8342
-94.3755	1.07841	-96.3548	-80.8247
-94.3939	1.08922	-96.3465	-80.8148
-94.4127	1.10012	-96.3381	-80.8046
-94.432	1.11109	-96.3297	-80.7939
-94.4518	1.12214	-96.3213	-80.7828
-94.472	1.13326	-96.3128	-80.7714
-94.4927	1.14445	-96.3044	-80.7596
-94.5139	1.15571	-96.2959	-80.7475
-94.5356	1.16703	-96.2874	-80.7352
-94.5577	1.17843	-96.2789	-80.7225
-94.5802	1.18989	-96.2704	-80.7097
-94.6032	1.20143	-96.2619	-80.6966
-94.6267	1.21304	-96.2534	-80.6834
-94.6506	1.22473	-96.2449	-80.6701
-94.6748	1.23649	-96.2364	-80.6567
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-94.7247	1.26025	-96.2196	-80.6297
-94.7502	1.27225	-96.2111	-80.6162
-94.7761	1.28432	-96.2028	-80.6027
-94.8024	1.29646	-96.1944	-80.5893
-94.8291	1.30868	-96.1861	-80.576
-94.8562	1.32096	-96.1778	-80.5628
-94.8836	1.3333	-96.1695	-80.5498
-94.9114	1.3457	-96.1612	-80.5369
-94.9395	1.35813	-96.153	-80.5242
-94.9679	1.3706	-96.1448	-80.5117
-94.9967	1.38309	-96.1366	-80.4994
-95.0258	1.39559	-96.1284	-80.4873
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-95.1452	1.44532	-96.0959	-80.4408
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-95.5241	1.58116	-95.9992	-80.3176
-95.5566	1.5908	-95.9911	-80.3081
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-95.6545	1.61759	-95.9669	-80.2802
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-95.8184	1.65446	-95.9268	-80.2363
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-95.8839	1.66633	-95.9108	-80.22
-95.9166	1.67165	-95.9028	-80.2122
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-96.0143	1.6851	-95.8789	-80.1906
-96.0467	1.68877	-95.871	-80.1841
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-96.1111	1.69489	-95.8552	-80.1724
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-96.6321	1.68274	-95.7236	-80.1623
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-108.249	0.924631	-96.4725	-79.993
-108.276	0.914966	-96.4896	-80.0009
-108.303	0.90519	-96.5068	-80.0089
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-108.381	0.875202	-96.5585	-80.0341
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-108.431	0.854659	-96.5933	-80.0519
-108.455	0.844225	-96.6107	-80.0611
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-108.641	0.756967	-96.7514	-80.1419
-108.663	0.745608	-96.7692	-80.1529
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-108.705	0.722609	-96.8048	-80.1756
-108.726	0.710972	-96.8227	-80.1872
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-108.767	0.687432	-96.8585	-80.2111
-108.786	0.675532	-96.8764	-80.2233
-108.806	0.663548	-96.8944	-80.2357
-108.825	0.651479	-96.9124	-80.2483
-108.844	0.639326	-96.9304	-80.2612
-108.863	0.627088	-96.9485	-80.2742
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-108.97	0.551842	-97.0576	-80.356
-108.988	0.538982	-97.0759	-80.3703
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-109.053	0.486542	-97.1494	-80.4289
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-109.351	0.179667	-97.5439	-80.7705
-109.363	0.163628	-97.563	-80.788
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-109.515	-1.216	-99.108	-82.3763
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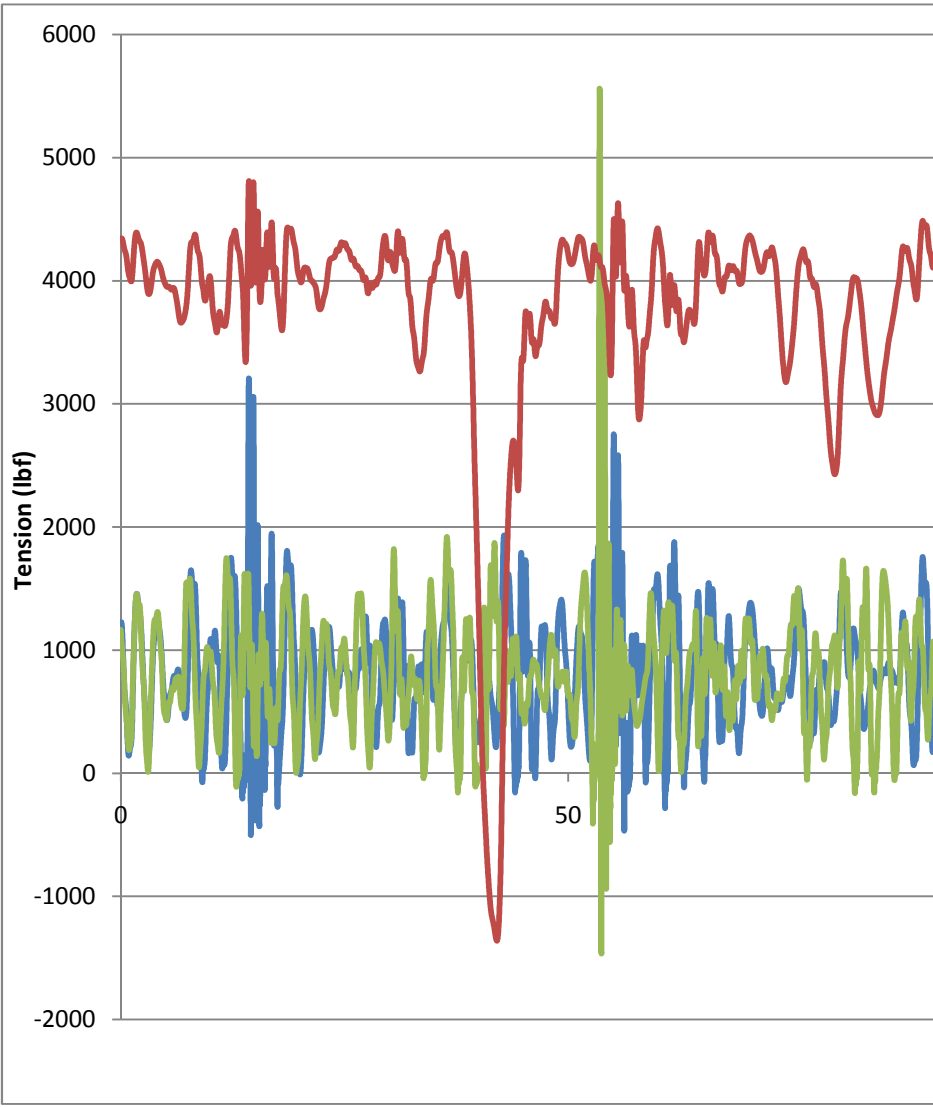
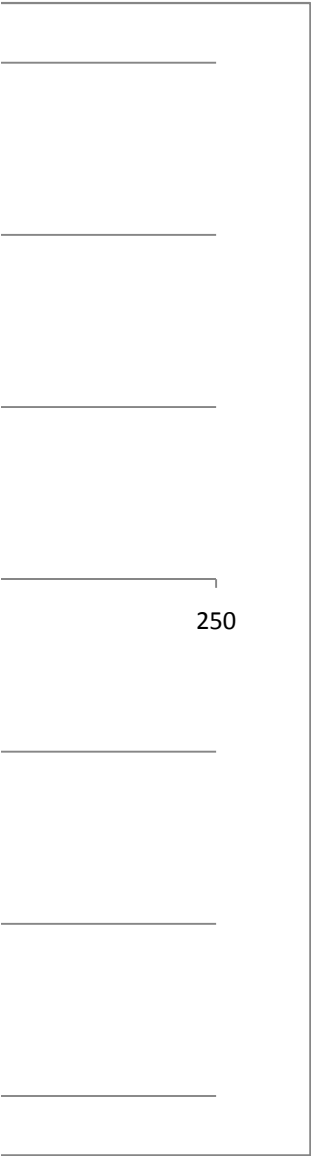
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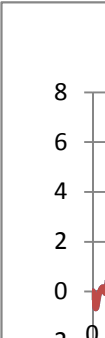
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are computed over
ations. Time-series of 200s are
low around the spectrum wave



le maximum spike.

average buoy heave

-81.65885577

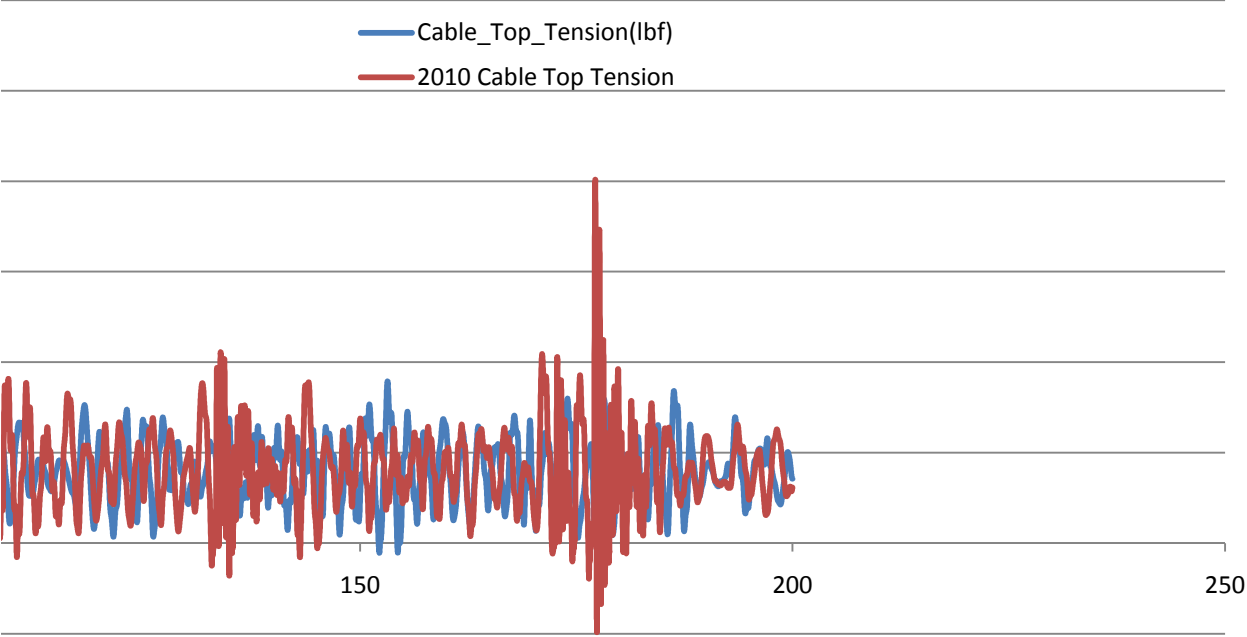
Cable_Top_Tension(lbf) Cable_Bottom_Tension(lbf) ESP_Buoy_Heave(ft) - average top - esp heave

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1226.41	1209.45	-1.19734423	0.274411
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1223.53	1206.65	-1.16464423	0.27504
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1216.36	1199.58	-1.12994423	0.275303
1210.92	1194.19	-1.11194423	0.275352
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1148.9	1132.59	-0.99404423	0.272583
1133.66	1117.44	-0.97294423	0.271654
1117.14	1101	-0.95154423	0.270663
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1018.89	1003.23	-0.83954423	0.263763
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601.461	588.497	-0.21674423	0.227381

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0
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564.233	551.699	-0.11644423	0.222155



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1445.25	1426.8	-1.44074423	0.290784
1441.2	1422.76	-1.44224423	0.289774
1436.67	1418.25	-1.44294423	0.288694
1431.73	1413.32	-1.44284423	0.287534
1426.41	1408.02	-1.44204423	0.286414
1420.79	1402.42	-1.44044423	0.285224
1414.91	1396.56	-1.43814423	0.284064
1408.82	1390.5	-1.43504423	0.282844
1402.59	1384.3	-1.43124423	0.281664
1396.26	1378	-1.42664423	0.280414
1389.89	1371.65	-1.42144423	0.279304
1383.52	1365.31	-1.41544423	0.278124
1377.2	1359.02	-1.40874423	0.276974
1370.96	1352.81	-1.40144423	0.275954
1364.83	1346.71	-1.39334423	0.274864
1358.85	1340.77	-1.38464423	0.273894
1353.04	1334.99	-1.37524423	0.272944
1347.42	1329.4	-1.36514423	0.272004
1341.99	1324.01	-1.35444423	0.271164
1336.75	1318.81	-1.34314423	0.270414
1331.71	1313.8	-1.33114423	0.269664
1326.84	1308.97	-1.31844423	0.268884
1322.13	1304.3	-1.30524423	0.268284
1317.56	1299.76	-1.29134423	0.267634
1313.09	1295.33	-1.27694423	0.267144
1308.67	1290.95	-1.26184423	0.26658
1304.27	1286.6	-1.24614423	0.266044
1299.84	1282.2	-1.22984423	0.265519
1295.31	1277.72	-1.21304423	0.265091
1290.64	1273.1	-1.19564423	0.264647
1285.76	1268.27	-1.17764423	0.26417
1280.62	1263.17	-1.15904423	0.263646

1275.15	1257.75	-1.13994423	0.263159
1269.29	1251.95	-1.12034423	0.262692
1263	1245.71	-1.10014423	0.262129
1256.21	1238.99	-1.07934423	0.261453
1248.89	1231.72	-1.05814423	0.260847
1240.98	1223.88	-1.03644423	0.260193
1232.45	1215.42	-1.01414423	0.259374
1223.28	1206.31	-0.99144423	0.258572
1213.43	1196.53	-0.96824423	0.25767
1202.9	1186.07	-0.94454423	0.25665
1191.67	1174.92	-0.92044423	0.255593
1179.74	1163.07	-0.89594423	0.254483
1167.13	1150.53	-0.87094423	0.2532
1153.83	1137.32	-0.84564423	0.251929
1139.88	1123.46	-0.81994423	0.25055
1125.31	1108.97	-0.79384423	0.249047
1110.15	1093.9	-0.76744423	0.247503
1094.44	1078.28	-0.74064423	0.245799
1078.23	1062.17	-0.71364423	0.244119
1061.58	1045.61	-0.68624423	0.242247
1044.54	1028.67	-0.65864423	0.240364
1027.18	1011.41	-0.63084423	0.238454
1009.55	993.885	-0.60284423	0.236501
991.736	976.169	-0.57454423	0.234388
973.791	958.326	-0.54614423	0.232298
955.784	940.422	-0.51764423	0.230214
937.781	922.523	-0.48894423	0.228021
919.845	904.691	-0.46014423	0.225802
902.034	886.984	-0.43134423	0.22364
884.405	869.46	-0.40234423	0.221319
867.007	852.167	-0.37344423	0.219121
849.886	835.15	-0.34444423	0.216831
833.079	818.448	-0.31544423	0.214531
816.619	802.092	-0.28654423	0.212305
800.53	786.107	-0.25764423	0.210035
784.829	770.509	-0.22874423	0.207705
769.525	755.308	-0.20004423	0.205496
754.618	740.504	-0.17134423	0.203192
740.104	726.092	-0.14284423	0.200974
725.967	712.057	-0.11444423	0.198725
712.187	698.378	-0.08614423	0.196428
698.737	685.029	-0.05804423	0.194163
685.582	671.975	-0.03014423	0.191914
672.684	659.177	-0.00244423	0.189662
659.999	646.593	0.02495577	0.187488
647.481	634.174	0.05225577	0.185176
635.079	621.872	0.07925577	0.182905
622.743	609.636	0.10605577	0.180559
610.42	597.412	0.13245577	0.17832
598.059	585.151	0.15875577	0.175869
585.612	572.802	0.18465577	0.173489
573.029	560.32	0.21015577	0.171162
560.27	547.659	0.23545577	0.168672
547.294	534.783	0.26035577	0.166202
534.07	521.658	0.28495577	0.163634

520.57	508.257	0.30915577	0.161054
506.775	494.562	0.33295577	0.158444
492.675	480.56	0.35635577	0.155791
478.264	466.249	0.37935577	0.153079
463.549	451.632	0.40195577	0.150295
448.543	436.724	0.42405577	0.147523
433.269	421.546	0.44565577	0.144753
417.756	406.131	0.46685577	0.14187
402.045	390.515	0.48755577	0.138962
386.183	374.747	0.50765577	0.136119
370.222	358.88	0.52725577	0.133229
354.225	342.975	0.54635577	0.130283
338.256	327.097	0.56485577	0.127369
322.388	311.317	0.58275577	0.124479
306.693	295.709	0.59995577	0.121704
291.25	280.351	0.61665577	0.118835
276.135	265.319	0.63265577	0.116065
261.428	250.691	0.64805577	0.113285
247.206	236.546	0.66275577	0.110589
233.544	222.958	0.67675577	0.107969
220.512	209.997	0.69005577	0.105419
208.179	197.732	0.70255577	0.103032
196.606	186.223	0.71445577	0.100603
185.849	175.526	0.72555577	0.098324
175.956	165.69	0.73585577	0.096191
166.969	156.756	0.74545577	0.094097
158.92	148.756	0.75425577	0.092138
151.836	141.715	0.76215577	0.090409
145.732	135.65	0.76935577	0.088704
140.617	130.571	0.77575577	0.087119
136.493	126.477	0.78135577	0.08565
133.354	123.363	0.78615577	0.084292
131.186	121.214	0.79005577	0.083143
129.97	120.013	0.79325577	0.081999
129.683	119.736	0.79555577	0.081057
130.297	120.353	0.79705577	0.080216
131.779	121.835	0.79775577	0.079474
134.096	124.147	0.79755577	0.078931
137.214	127.255	0.79665577	0.078386
141.096	131.121	0.79485577	0.078041
145.705	135.71	0.79235577	0.077698
151.007	140.986	0.78895577	0.07756
156.966	146.915	0.78475577	0.077531
163.553	153.466	0.77985577	0.077515
170.74	160.612	0.77415577	0.077619
178.503	168.329	0.76765577	0.07785
186.824	176.598	0.76035577	0.078217
195.689	185.406	0.75245577	0.078529
205.087	194.744	0.74365577	0.079097
215.016	204.606	0.73425577	0.079633
225.474	214.993	0.72405577	0.08035
236.465	225.908	0.71325577	0.081061
247.997	237.36	0.70175577	0.081883
260.079	249.358	0.68955577	0.08283
272.724	261.914	0.67665577	0.083919

285.944	275.041	0.66315577	0.085068
299.751	288.752	0.64905577	0.086295
314.158	303.059	0.63435577	0.087618
329.174	317.972	0.61915577	0.088957
344.809	333.5	0.60325577	0.090531
361.068	349.647	0.58685577	0.09216
377.953	366.418	0.57005577	0.093765
395.464	383.812	0.55265577	0.095565
413.599	401.825	0.53475577	0.097482
432.348	420.451	0.51645577	0.099434
451.7	439.675	0.49765577	0.101543
471.635	459.481	0.47855577	0.103628
492.129	479.844	0.45895577	0.105911
513.152	500.733	0.43915577	0.108109
534.665	522.11	0.41885577	0.110544
556.623	543.93	0.39835577	0.112935
578.973	566.142	0.37755577	0.1154
601.657	588.687	0.35655577	0.11786
624.607	611.497	0.33535577	0.120333
647.752	634.501	0.31385577	0.122937
671.011	657.62	0.29225577	0.125491
694.301	680.77	0.27055577	0.128014
717.532	703.862	0.24865577	0.130623
740.614	726.806	0.22675577	0.133138
763.451	749.506	0.20485577	0.135575
785.949	771.869	0.18285577	0.138054
808.013	793.801	0.16085577	0.140491
829.553	815.209	0.13895577	0.142806
850.478	836.007	0.11705577	0.145116
870.707	856.11	0.09525577	0.147339
890.161	875.442	0.07355577	0.149493
908.774	893.938	0.05195577	0.151596
926.494	911.546	0.03055577	0.153567
943.284	928.229	0.00935577	0.155424
959.125	943.968	-0.01174423	0.157284
974.014	958.759	-0.03254423	0.158966
987.963	972.616	-0.05314423	0.160588
1001	985.565	-0.07354423	0.162169
1013.17	997.648	-0.09364423	0.163625
1024.51	1008.92	-0.11344423	0.164975
1035.1	1019.43	-0.13304423	0.166335
1045	1029.25	-0.15224423	0.167524
1054.28	1038.46	-0.17114423	0.168658
1063.02	1047.13	-0.18974423	0.169754
1071.28	1055.33	-0.20804423	0.170826
1079.14	1063.12	-0.22594423	0.171792
1086.66	1070.59	-0.24354423	0.172765
1093.91	1077.78	-0.26074423	0.17366
1100.94	1084.75	-0.27754423	0.174491
1107.8	1091.56	-0.29404423	0.17537
1114.54	1098.25	-0.31014423	0.176212
1121.2	1104.85	-0.32574423	0.176927
1127.79	1111.39	-0.34104423	0.177726
1134.36	1117.91	-0.35594423	0.178521
1140.91	1124.41	-0.37034423	0.179221

1147.46	1130.92	-0.38444423	0.180035
1154.02	1137.43	-0.39804423	0.180773
1160.59	1143.96	-0.41114423	0.181442
1167.16	1150.49	-0.42394423	0.18225
1173.75	1157.03	-0.43614423	0.182904
1180.32	1163.57	-0.44794423	0.18361
1186.88	1170.09	-0.45934423	0.184375
1193.4	1176.58	-0.47024423	0.185103
1199.87	1183	-0.48064423	0.1858
1206.24	1189.35	-0.49054423	0.186469
1212.51	1195.58	-0.49994423	0.187115
1218.63	1201.66	-0.50884423	0.187742
1224.56	1207.56	-0.51724423	0.188352
1230.26	1213.24	-0.52514423	0.188949
1235.7	1218.65	-0.53254423	0.189534
1240.82	1223.74	-0.53934423	0.190011
1245.6	1228.49	-0.54564423	0.190482
1249.98	1232.85	-0.55144423	0.190948
1253.93	1236.79	-0.55664423	0.19131
1257.43	1240.26	-0.56134423	0.19167
1260.44	1243.26	-0.56544423	0.19193
1262.93	1245.74	-0.56904423	0.19219
1264.9	1247.69	-0.57204423	0.192352
1266.33	1249.12	-0.57454423	0.192516
1267.22	1250	-0.57644423	0.192582
1267.58	1250.34	-0.57784423	0.192652
1267.39	1250.16	-0.57864423	0.192625
1266.69	1249.46	-0.57884423	0.192503
1265.49	1248.26	-0.57854423	0.192385
1263.8	1246.57	-0.57764423	0.19217
1261.66	1244.44	-0.57614423	0.19186
1259.09	1241.87	-0.57424423	0.191653
1256.12	1238.91	-0.57164423	0.191249
1252.78	1235.59	-0.56854423	0.190847
1249.1	1231.93	-0.56494423	0.190446
1245.13	1227.97	-0.56084423	0.190044
1240.89	1223.75	-0.55614423	0.18954
1236.42	1219.3	-0.55094423	0.189032
1231.75	1214.65	-0.54514423	0.188418
1226.91	1209.83	-0.53894423	0.187894
1221.94	1204.89	-0.53224423	0.187357
1216.86	1199.84	-0.52494423	0.186705
1211.71	1194.71	-0.51724423	0.186132
1206.5	1189.52	-0.50904423	0.185536
1201.25	1184.31	-0.50034423	0.18491
1195.98	1179.07	-0.49114423	0.184249
1190.7	1173.82	-0.48154423	0.183648
1185.42	1168.58	-0.47144423	0.183
1180.14	1163.33	-0.46084423	0.182299
1174.85	1158.08	-0.44984423	0.181638
1169.56	1152.82	-0.43844423	0.181008
1164.23	1147.54	-0.42654423	0.180303
1158.87	1142.22	-0.41434423	0.179712
1153.45	1136.84	-0.40164423	0.179027
1147.95	1131.38	-0.38854423	0.17834

1142.33	1125.81	-0.37504423	0.177639
1136.58	1120.1	-0.36114423	0.176916
1130.66	1114.23	-0.34684423	0.176159
1124.53	1108.15	-0.33224423	0.175458
1118.17	1101.84	-0.31714423	0.174601
1111.54	1095.27	-0.30174423	0.173778
1104.62	1088.4	-0.28604423	0.172977
1097.37	1081.2	-0.26994423	0.172087
1089.77	1073.66	-0.25354423	0.171194
1081.8	1065.74	-0.23684423	0.170287
1073.42	1057.42	-0.21984423	0.169354
1064.63	1048.69	-0.20244423	0.168283
1055.4	1039.53	-0.18484423	0.167261
1045.74	1029.94	-0.16694423	0.166176
1035.64	1019.9	-0.14874423	0.165015
1025.1	1009.42	-0.13034423	0.163866
1014.12	998.515	-0.11164423	0.162616
1002.71	987.183	-0.09284423	0.161453
990.903	975.445	-0.07374423	0.160164
978.706	963.322	-0.05444423	0.158837
966.148	950.839	-0.03494423	0.157458
953.26	938.028	-0.01534423	0.156117
940.077	924.922	0.00445577	0.1547
926.636	911.559	0.02435577	0.153294
912.977	897.98	0.04435577	0.151888
899.145	884.228	0.06445577	0.150469
885.184	870.348	0.08465577	0.149024
871.14	856.385	0.10495577	0.147541
857.06	842.386	0.12525577	0.146107
842.988	828.397	0.14555577	0.144709
828.972	814.462	0.16595577	0.143236
815.052	800.626	0.18625577	0.141874
801.272	786.927	0.20655577	0.14051
787.668	773.406	0.22685577	0.139131
774.275	760.095	0.24705577	0.137824
761.124	747.025	0.26725577	0.136477
748.24	734.222	0.28735577	0.135175
735.646	721.708	0.30725577	0.134006
723.357	709.5	0.32715577	0.132756
711.386	697.608	0.34685577	0.131611
699.74	686.04	0.36645577	0.130458
688.419	674.797	0.38585577	0.129382
677.422	663.877	0.40505577	0.128371
666.741	653.272	0.42415577	0.12731
656.366	642.971	0.44305577	0.126285
646.28	632.96	0.46165577	0.125383
636.468	623.22	0.48005577	0.12449
626.908	613.732	0.49825577	0.123593
617.581	604.475	0.51625577	0.122677
608.462	595.425	0.53395577	0.12183
599.53	586.56	0.55135577	0.12104
590.763	577.859	0.56855577	0.120192
582.14	569.301	0.58545577	0.119375
573.644	560.868	0.60195577	0.118677
565.259	552.544	0.61825577	0.117887

556.974	544.318	0.63425577	0.117092
548.78	536.182	0.64985577	0.116384
540.675	528.132	0.66515577	0.11565
532.66	520.171	0.68015577	0.114884
524.744	512.306	0.69475577	0.114174
516.938	504.549	0.70905577	0.113413
509.261	496.919	0.72295577	0.112694
501.736	489.438	0.73645577	0.112008
494.391	482.134	0.74955577	0.111351
487.26	475.042	0.76235577	0.110615
480.38	468.199	0.77465577	0.109997
473.788	461.642	0.78665577	0.10929
467.52	455.408	0.79815577	0.10869
461.612	449.531	0.80925577	0.108093
456.1	444.047	0.81995577	0.107494
451.021	438.992	0.83015577	0.106989
446.41	434.402	0.83995577	0.106475
442.303	430.314	0.84935577	0.10595
438.734	426.76	0.85825577	0.105511
435.735	423.773	0.86675577	0.105057
433.334	421.381	0.87475577	0.104685
431.557	419.609	0.88225577	0.104394
430.427	418.48	0.88935577	0.104085
429.96	418.012	0.89595577	0.103856
430.168	418.215	0.90215577	0.103604
431.06	419.099	0.90785577	0.103444
432.637	420.664	0.91305577	0.103354
434.896	422.908	0.91785577	0.103254
437.826	425.819	0.92225577	0.103134
441.412	429.384	0.92615577	0.103104
445.633	433.58	0.92955577	0.103154
450.461	438.381	0.93255577	0.103194
455.864	443.755	0.93515577	0.103234
461.804	449.663	0.93725577	0.103364
468.24	456.063	0.93905577	0.103394
475.126	462.911	0.94035577	0.103524
482.41	470.156	0.94125577	0.103654
490.04	477.745	0.94175577	0.103794
497.961	485.623	0.94195577	0.103844
506.115	493.733	0.94165577	0.104014
514.443	502.015	0.94105577	0.104104
522.884	510.41	0.94015577	0.104114
531.379	518.859	0.93885577	0.104164
539.869	527.302	0.93715577	0.104244
548.295	535.681	0.93525577	0.104174
556.602	543.941	0.93295577	0.104164
564.737	552.029	0.93035577	0.104104
572.649	559.895	0.92755577	0.103904
580.292	567.493	0.92435577	0.103784
587.626	574.782	0.92095577	0.103554
594.614	581.727	0.91725577	0.103304
601.225	588.297	0.91335577	0.102964
607.436	594.466	0.90915577	0.102624
613.228	600.219	0.90475577	0.102204
618.589	605.541	0.90005577	0.101824

623.515	610.43	0.89515577	0.101375
628.006	614.885	0.89005577	0.100877
632.072	618.916	0.88475577	0.100339
635.725	622.537	0.87925577	0.09977
638.987	625.768	0.87345577	0.099282
641.886	628.637	0.86755577	0.098685
644.456	631.179	0.86145577	0.098088
646.738	633.435	0.85505577	0.097601
648.778	635.45	0.84855577	0.097034
650.628	637.276	0.84185577	0.096497
652.34	638.966	0.83495577	0.095999
653.971	640.575	0.82795577	0.095448
655.576	642.16	0.82065577	0.095054
657.21	643.774	0.81325577	0.094623
658.928	645.472	0.80565577	0.094265
660.779	647.304	0.79785577	0.093984
662.808	649.314	0.78995577	0.093689
665.057	651.543	0.78185577	0.093485
667.559	654.025	0.77355577	0.093377
670.343	656.789	0.76515577	0.093271
673.428	659.854	0.75655577	0.09327
676.827	663.232	0.74775577	0.093378
680.546	666.93	0.73885577	0.093499
684.582	670.945	0.72985577	0.093635
688.924	675.266	0.72075577	0.093788
693.556	679.876	0.71145577	0.094059
698.453	684.751	0.70205577	0.094351
703.586	689.861	0.69245577	0.094763
708.917	695.17	0.68285577	0.095096
714.407	700.638	0.67305577	0.09555
720.011	706.219	0.66325577	0.095924
725.681	711.867	0.65325577	0.096418
731.369	717.533	0.64325577	0.096832
737.023	723.166	0.63315577	0.097263
742.594	728.715	0.62295577	0.097711
748.03	734.13	0.61275577	0.098074
753.285	739.365	0.60245577	0.098452
758.313	744.373	0.59205577	0.098843
763.072	749.113	0.58165577	0.099145
767.523	753.547	0.57125577	0.099358
771.635	757.641	0.56085577	0.09948
775.379	761.369	0.55035577	0.09961
778.733	764.707	0.53985577	0.099648
781.68	767.64	0.52925577	0.099692
784.211	770.158	0.51875577	0.099543
786.321	772.255	0.50825577	0.099299
788.012	773.936	0.49765577	0.099061
789.293	775.206	0.48705577	0.098729
790.177	776.082	0.47655577	0.098202
790.683	776.58	0.46595577	0.097683
790.836	776.726	0.45535577	0.097071
790.664	776.548	0.44475577	0.096367
790.2	776.079	0.43425577	0.095472
789.48	775.354	0.42365577	0.094588
788.541	774.412	0.41305577	0.093616

787.425	773.293	0.40245577	0.092558
786.173	772.038	0.39185577	0.091415
784.827	770.691	0.38125577	0.090189
783.429	769.292	0.37065577	0.088882
782.025	767.884	0.36005577	0.087497
780.666	766.517	0.34935577	0.086136
779.404	765.251	0.33875577	0.084604
778.296	764.136	0.32805577	0.083105
777.388	763.222	0.31735577	0.081543
776.725	762.553	0.30665577	0.079922
776.347	762.168	0.29595577	0.078246
776.274	762.093	0.28525577	0.076521
776.565	762.373	0.27445577	0.074848
777.206	763.006	0.26365577	0.073134
778.219	764.011	0.25285577	0.071381
779.608	765.392	0.24205577	0.069593
781.369	767.145	0.23125577	0.067774
783.491	769.258	0.22035577	0.066028
785.956	771.713	0.20955577	0.064157
788.74	774.487	0.19865577	0.062366
791.81	777.547	0.18785577	0.060458
795.131	780.858	0.17695577	0.058635
798.661	784.377	0.16615577	0.056701
802.352	788.057	0.15525577	0.054859
806.155	791.849	0.14445577	0.052911
810.016	795.7	0.13365577	0.050962
813.881	799.554	0.12285577	0.049013
817.695	803.358	0.11205577	0.047068
821.402	807.055	0.10135577	0.04503
824.948	810.591	0.09065577	0.043002
828.283	813.917	0.07995577	0.040987
831.358	816.984	0.06935577	0.038889
834.129	819.747	0.05875577	0.03681
836.558	822.169	0.04825577	0.034654
838.609	824.214	0.03785577	0.032425
840.258	825.857	0.02745577	0.030226
841.482	827.077	0.01705577	0.028061
842.268	827.86	0.00675577	0.025834
842.613	828.202	-0.00344423	0.02355
842.507	828.095	-0.01364423	0.021311
841.969	827.557	-0.02374423	0.019023
841.011	826.599	-0.03384423	0.01679
839.653	825.243	-0.04384423	0.014516
837.923	823.516	-0.05374423	0.012205
835.855	821.451	-0.06364423	0.009961
833.487	819.087	-0.07344423	0.00769
830.861	816.466	-0.08324423	0.005495
828.022	813.633	-0.09294423	0.003281
825.019	810.636	-0.10264423	0.00115
821.9	807.524	-0.11234423	-0.00089
818.716	804.347	-0.12194423	-0.00294
815.514	801.153	-0.13154423	-0.0049
812.343	797.99	-0.14114423	-0.00676
809.246	794.902	-0.15074423	-0.00851
806.265	791.931	-0.16024423	-0.01027

803.438	789.113	-0.16974423	-0.01192
800.794	786.48	-0.17924423	-0.01346
798.361	784.057	-0.18874423	-0.01489
796.157	781.864	-0.19824423	-0.01622
794.195	779.913	-0.20774423	-0.01744
792.479	778.209	-0.21724423	-0.01856
791.008	776.75	-0.22674423	-0.01956
789.772	775.526	-0.23624423	-0.02047
788.752	774.519	-0.24574423	-0.02127
787.925	773.706	-0.25524423	-0.02197
787.26	773.055	-0.26474423	-0.02257
786.717	772.528	-0.27434423	-0.02299
786.255	772.082	-0.28384423	-0.02341
785.823	771.667	-0.29344423	-0.02366
785.37	771.232	-0.30294423	-0.02393
784.839	770.721	-0.31254423	-0.02402
784.171	770.074	-0.32214423	-0.02406
783.307	769.232	-0.33174423	-0.02403
782.186	768.135	-0.34134423	-0.02396
780.749	766.724	-0.35094423	-0.02384
778.939	764.943	-0.36054423	-0.02369
776.702	762.735	-0.37024423	-0.02342
773.988	760.052	-0.37994423	-0.02312
770.751	756.849	-0.38964423	-0.02282
766.953	753.086	-0.39934423	-0.02252
762.56	748.731	-0.40904423	-0.02223
757.547	743.759	-0.41884423	-0.02186
751.898	738.153	-0.42874423	-0.02141
745.604	731.903	-0.43864423	-0.02101
738.665	725.01	-0.44854423	-0.02065
731.088	717.482	-0.45864423	-0.02015
722.893	709.337	-0.46864423	-0.01982
714.104	700.602	-0.47884423	-0.01937
704.757	691.309	-0.48914423	-0.0189
694.894	681.503	-0.49954423	-0.01842
684.565	671.231	-0.51004423	-0.01796
673.826	660.551	-0.52064423	-0.0175
662.738	649.523	-0.53144423	-0.01698
651.368	638.215	-0.54234423	-0.01648
639.787	626.696	-0.55344423	-0.01593
628.067	615.039	-0.56464423	-0.01544
616.282	603.318	-0.57614423	-0.01481
604.508	591.608	-0.58784423	-0.01415
592.818	579.982	-0.59974423	-0.01347
581.284	568.511	-0.61184423	-0.01278
569.975	557.265	-0.62424423	-0.012
558.956	546.309	-0.63684423	-0.01123
548.287	535.701	-0.64984423	-0.01028
538.023	525.498	-0.66304423	-0.00937
528.212	515.746	-0.67654423	-0.00839
518.896	506.488	-0.69034423	-0.00737
510.11	497.758	-0.70444423	-0.00631
501.882	489.583	-0.71894423	-0.00512
494.233	481.985	-0.73374423	-0.00391
487.176	474.977	-0.74894423	-0.0026

480.72	468.568	-0.76444423	-0.00128
474.867	462.758	-0.78034423	0.000128
469.614	457.545	-0.79654423	0.001518
464.954	452.922	-0.81314423	0.002983
460.879	448.879	-0.83014423	0.004516
457.379	445.407	-0.84754423	0.00611
454.445	442.496	-0.86534423	0.00776
452.07	440.139	-0.88354423	0.009461
450.253	438.334	-0.90204423	0.011112
448.997	437.085	-0.92094423	0.01281
448.312	436.4	-0.94034423	0.014656
448.188	436.274	-0.96004423	0.016451
448.73	436.798	-0.98014423	0.018298
449.89	437.938	-1.00064423	0.020204
451.737	439.758	-1.02154423	0.022173
454.319	442.304	-1.04284423	0.024214
457.691	445.633	-1.06454423	0.026344
461.914	449.805	-1.08654423	0.028464
467.054	454.886	-1.10894423	0.030694
473.182	460.947	-1.13164423	0.032944
480.369	468.058	-1.15474423	0.035344
488.687	476.291	-1.17824423	0.037904
498.206	485.717	-1.20204423	0.040534
508.992	496.401	-1.22614423	0.043274
521.105	508.405	-1.25054423	0.046134
534.598	521.779	-1.27524423	0.049134
549.514	536.568	-1.30024423	0.052304
565.882	552.8	-1.32544423	0.055574
583.72	570.494	-1.35094423	0.059064
603.029	589.652	-1.37654423	0.062594
623.794	610.257	-1.40244423	0.066394
645.982	632.278	-1.42844423	0.070294
669.541	655.663	-1.45464423	0.074414
694.4	680.339	-1.48094423	0.078694
720.465	706.215	-1.50734423	0.083144
747.622	733.176	-1.53374423	0.087704
775.737	761.088	-1.56014423	0.092384
804.653	789.797	-1.58664423	0.097324
834.209	819.152	-1.61304423	0.102344
864.262	849.008	-1.63934423	0.107474
894.687	879.244	-1.66554423	0.112744
925.385	909.76	-1.69154423	0.118064
956.28	940.481	-1.71744423	0.123564
987.32	971.354	-1.74304423	0.129084
1018.47	1002.34	-1.76844423	0.134724
1049.7	1033.41	-1.79344423	0.140324
1080.98	1064.54	-1.81824423	0.146104
1112.3	1095.7	-1.84254423	0.151794
1143.61	1126.86	-1.86654423	0.157604
1174.86	1157.96	-1.88994423	0.163254
1206.01	1188.96	-1.91294423	0.168974
1236.98	1219.78	-1.93544423	0.174684
1267.67	1250.32	-1.95734423	0.180294
1297.99	1280.5	-1.97864423	0.185844
1327.83	1310.2	-1.99924423	0.191224

1357.07	1339.3	-2.01924423	0.196574
1385.59	1367.68	-2.03844423	0.201694
1413.25	1395.22	-2.05704423	0.206814
1439.92	1421.76	-2.07474423	0.211634
1465.47	1447.2	-2.09174423	0.216394
1489.77	1471.38	-2.10784423	0.220884
1512.69	1494.19	-2.12304423	0.225124
1534.11	1515.51	-2.13744423	0.229244
1553.91	1535.22	-2.15084423	0.233034
1571.99	1553.21	-2.16334423	0.236624
1588.26	1569.4	-2.17494423	0.240024
1602.65	1583.71	-2.18554423	0.243144
1615.09	1596.09	-2.19514423	0.245994
1625.56	1606.49	-2.20374423	0.248584
1634.02	1614.9	-2.21134423	0.250934
1640.49	1621.32	-2.21784423	0.252964
1644.97	1625.78	-2.22344423	0.254864
1647.53	1628.3	-2.22794423	0.256454
1648.22	1628.96	-2.23134423	0.257754
1647.12	1627.84	-2.23384423	0.258964
1644.33	1625.04	-2.23524423	0.259904
1639.98	1620.68	-2.23554423	0.260574
1634.19	1614.9	-2.23494423	0.261194
1627.13	1607.84	-2.23324423	0.261574
1618.95	1599.67	-2.23054423	0.261814
1609.83	1590.56	-2.22694423	0.262024
1599.94	1580.68	-2.22224423	0.262024
1589.47	1570.22	-2.21664423	0.262014
1578.6	1559.38	-2.21004423	0.261904
1567.53	1548.32	-2.20254423	0.261804
1556.44	1537.25	-2.19414423	0.261704
1545.51	1526.34	-2.18484423	0.261634
1534.91	1515.76	-2.17454423	0.261474
1524.81	1505.68	-2.16344423	0.261444
1515.36	1496.25	-2.15154423	0.261544
1506.69	1487.6	-2.13864423	0.261574
1498.93	1479.85	-2.12504423	0.261834
1492.18	1473.11	-2.11054423	0.262124
1486.52	1467.47	-2.09524423	0.262544
1482.02	1462.98	-2.07904423	0.262994
1478.72	1459.69	-2.06214423	0.263674
1476.64	1457.62	-2.04444423	0.264474
1475.78	1456.76	-2.02594423	0.265384
1476.1	1457.08	-2.00664423	0.266414
1477.55	1458.54	-1.98654423	0.267534
1480.05	1461.05	-1.96564423	0.268754
1483.51	1464.51	-1.94404423	0.270144
1487.79	1468.79	-1.92154423	0.271514
1492.75	1473.76	-1.89834423	0.273034
1498.24	1479.25	-1.87424423	0.274494
1504.08	1485.1	-1.84944423	0.276074
1510.07	1491.1	-1.82384423	0.277664
1516.02	1497.06	-1.79744423	0.279244
1521.73	1502.78	-1.77014423	0.280704
1526.99	1508.05	-1.74214423	0.282204

1531.59	1512.67	-1.71324423	0.283544
1535.33	1516.44	-1.68364423	0.284894
1538.02	1519.16	-1.65314423	0.286044
1539.47	1520.64	-1.62174423	0.286954
1539.68	1520.87	-1.58964423	0.287824
1538.01	1519.26	-1.55674423	0.288524
1534.8	1516.1	-1.52294423	0.288924
1529.79	1511.15	-1.48844423	0.289224
1522.9	1504.31	-1.45304423	0.289184
1514.04	1495.52	-1.41694423	0.288994
1503.2	1484.76	-1.38004423	0.288534
1490.37	1471.99	-1.34244423	0.287894
1475.55	1457.26	-1.30414423	0.287034
1458.8	1440.6	-1.26504423	0.285855
1440.19	1422.08	-1.22534423	0.284531
1419.82	1401.81	-1.18494423	0.282948
1397.81	1379.91	-1.14394423	0.281119
1374.31	1356.52	-1.10234423	0.27924
1349.48	1331.8	-1.06014423	0.277084
1323.51	1305.95	-1.01754423	0.274906
1296.6	1279.16	-0.97434423	0.272494
1268.95	1251.63	-0.93074423	0.270032
1240.8	1223.6	-0.88664423	0.267407
1212.35	1195.28	-0.84224423	0.264806
1183.84	1166.89	-0.79744423	0.262116
1155.49	1138.67	-0.75234423	0.259422
1127.52	1110.83	-0.70694423	0.256712
1100.14	1083.57	-0.66134423	0.254073
1073.54	1057.1	-0.61554423	0.251489
1047.92	1031.6	-0.56954423	0.248948
1023.42	1007.22	-0.52344423	0.246534
1000.19	984.119	-0.47724423	0.244232
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958.011	942.169	-0.38454423	0.239903
939.211	923.481	-0.33824423	0.238043
921.999	906.379	-0.29184423	0.236228
906.384	890.871	-0.24544423	0.234541
892.348	876.94	-0.19914423	0.233062
879.842	864.536	-0.15284423	0.231672
868.792	853.586	-0.10664423	0.230448
859.096	843.989	-0.06054423	0.229372
850.63	835.619	-0.01444423	0.22832
843.246	828.33	0.03145577	0.227469
836.777	821.954	0.07725577	0.226696
831.04	816.31	0.12295577	0.225978
825.839	811.2	0.16855577	0.22529
820.967	806.421	0.21405577	0.224608
816.213	801.759	0.25935577	0.224006
811.365	797.004	0.30455577	0.223361
806.211	791.944	0.34955577	0.222747
800.548	786.374	0.39445577	0.222039
794.18	780.102	0.43915577	0.221313
786.927	772.947	0.48375577	0.220444
778.628	764.746	0.52815577	0.219508
769.13	755.357	0.57235577	0.218482

758.272	744.626	0.61645577	0.217236
745.906	732.384	0.66025577	0.215941
731.882	718.495	0.70385577	0.214466
716.087	702.836	0.74725577	0.212779
698.426	685.319	0.79045577	0.210854
678.84	665.878	0.83325577	0.208854
657.294	644.484	0.87585577	0.206554
633.791	621.136	0.91815577	0.204024
608.364	595.868	0.96005577	0.201344
581.082	568.748	1.00165577	0.198374
552.047	539.877	1.04275577	0.195304
521.392	509.389	1.08355577	0.191904
489.285	477.451	1.12375577	0.188454
455.921	444.256	1.16355577	0.184734
421.524	410.027	1.20275577	0.180924
386.339	375.011	1.24135577	0.177004
350.636	339.475	1.27945577	0.172864
314.697	303.701	1.31675577	0.168794
278.818	267.985	1.35345577	0.164564
243.303	232.63	1.38935577	0.160384
208.456	197.939	1.42445577	0.156224
174.58	164.214	1.45885577	0.151984
141.969	131.749	1.49235577	0.147864
110.905	100.825	1.52495577	0.143834
81.6488	71.7038	1.55655577	0.139994
54.4425	44.626	1.58725577	0.136244
29.4998	19.8052	1.61705577	0.132554
7.00474	-2.57459	1.64575577	0.129144
-12.8908	-22.3616	1.67345577	0.125874
-30.069	-39.4379	1.70015577	0.122754
-44.4461	-53.7193	1.72575577	0.119874
-55.9717	-65.1541	1.75025577	0.117204
-64.6241	-73.7191	1.77365577	0.114744
-70.4036	-79.4115	1.79595577	0.112484
-73.3178	-82.2339	1.81725577	0.110294
-73.6993	-82.5654	1.83735577	0.108384
-70.4625	-79.1436	1.85635577	0.106614
-64.4615	-72.9755	1.87425577	0.104994
-55.0357	-63.3462	1.89115577	0.103394
-41.7285	-49.8298	1.90695577	0.101894
-24.106	-32.0889	1.92165577	0.100484
-2.20304	-10.334	1.93545577	0.098954
22.7162	13.9813	1.94815577	0.097464
47.4285	37.6318	1.95995577	0.095814
66.933	56.0062	1.97075577	0.094074
76.5346	65.4293	1.98065577	0.092154
74.0634	63.5156	1.98965577	0.090044
63.7934	54.5195	1.99775577	0.087764
51.2869	42.8692	2.00505577	0.085254
40.8822	32.7424	2.01125577	0.082824
34.5079	26.2775	2.01665577	0.080234
32.3943	23.9397	2.02105577	0.077694
33.9924	25.2539	2.02455577	0.075134
38.3862	29.3527	2.02705577	0.072694
44.4933	35.1353	2.02865577	0.070294

51.1052	41.4407	2.02935577	0.067954
57.1493	47.2554	2.02905577	0.065804
62.0522	52.0727	2.02795577	0.063674
66.0349	56.0964	2.02585577	0.061784
70.0225	60.1941	2.02295577	0.059974
75.2776	65.5406	2.01905577	0.058474
82.9141	73.1973	2.01435577	0.057104
93.5521	83.7521	2.00875577	0.056004
107.145	97.1677	2.00225577	0.055184
123.07	112.866	1.99495577	0.054584
140.47	130.068	1.98675577	0.054304
158.744	148.229	1.97775577	0.054284
177.837	167.286	1.96805577	0.054434
198.095	187.52	1.95755577	0.054874
219.816	209.166	1.94635577	0.055524
242.916	232.129	1.93445577	0.056384
266.978	256.027	1.92175577	0.057584
291.562	280.474	1.90855577	0.058834
316.475	305.296	1.89465577	0.060344
341.73	330.459	1.88025577	0.061924
367.212	355.804	1.86525577	0.063684
392.486	380.923	1.84965577	0.065644
416.999	405.315	1.83365577	0.067604
440.385	428.602	1.81715577	0.069684
462.53	450.631	1.80025577	0.071784
483.455	471.429	1.78295577	0.073934
503.165	491.031	1.76525577	0.076134
521.588	509.354	1.74725577	0.078294
538.671	526.322	1.72885577	0.080534
554.491	542.023	1.71015577	0.082774
569.192	556.623	1.69125577	0.084914
582.851	570.184	1.67195577	0.087174
595.483	582.709	1.65255577	0.089264
607.16	594.285	1.63275577	0.091514
618.025	605.057	1.61285577	0.093624
628.188	615.127	1.59275577	0.095704
637.744	624.59	1.57235577	0.097894
646.846	633.604	1.55185577	0.099974
655.691	642.359	1.53115577	0.102094
664.449	651.027	1.51025577	0.104244
673.281	659.774	1.48925577	0.106334
682.351	668.763	1.46815577	0.108404
691.8	678.132	1.44685577	0.110534
701.738	687.991	1.42555577	0.112564
712.263	698.437	1.40405577	0.114684
723.453	709.549	1.38245577	0.116814
735.359	721.376	1.36085577	0.118864
748.015	733.952	1.33915577	0.120934
761.442	747.296	1.31745577	0.122944
775.635	761.406	1.29575577	0.124904
790.569	776.259	1.27395577	0.126904
806.202	791.809	1.25225577	0.128764
822.467	807.992	1.23055577	0.130584
839.28	824.723	1.20895577	0.132274
856.543	841.905	1.18735577	0.133924

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927.684	912.735	1.10215577	0.139144
945.302	930.281	1.08125577	0.140014
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979.278	964.122	1.04015577	0.141054
995.325	980.106	1.01985577	0.141314
1010.54	995.264	0.99995577	0.141194
1024.78	1009.45	0.98025577	0.140884
1037.9	1022.52	0.96075577	0.140384
1049.78	1034.36	0.94175577	0.139414
1060.3	1044.83	0.92295577	0.138274
1069.35	1053.85	0.90445577	0.136874
1076.86	1061.33	0.88635577	0.135114
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1087.08	1071.46	0.78535577	0.118408
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1053.71	1038.09	0.71095577	0.097805
1043.76	1028.16	0.69705577	0.093188
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999.29	983.717	0.64445577	0.07377
988.068	972.504	0.63195577	0.068844
977.242	961.686	0.61965577	0.063973
967.025	951.475	0.60755577	0.05917
957.618	942.074	0.59575577	0.054347
949.212	933.67	0.58405577	0.049714
941.977	926.437	0.57265577	0.045082
936.066	920.525	0.56135577	0.040661
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927.436	911.872	0.52845577	0.028347
927.855	912.285	0.51785577	0.024551
929.969	914.385	0.50735577	0.021003
933.773	918.171	0.49705577	0.017609
939.224	923.602	0.48685577	0.014473
946.256	930.611	0.47685577	0.011499
954.77	939.1	0.46705577	0.00869
964.645	948.948	0.45745577	0.006049
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987.872	972.113	0.43875577	0.001375
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901.005	885.662	0.36075577	-0.04969
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936.393	921.254	0.39455577	-0.02519
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911.765	897.445	0.46345577	0.010462
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877.126	863.05	0.47695577	0.013181
855.886	841.944	0.48395577	0.013923
832.099	818.3	0.49085577	0.014482
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746.606	733.278	0.51175577	0.013992
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679.58	666.595	0.52535577	0.012115
643.742	630.936	0.53195577	0.010747
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568.802	556.363	0.54445577	0.007356
530.307	518.055	0.55025577	0.005398
491.553	479.487	0.55585577	0.003146
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305.049	293.892	0.57685577	-0.009
271.304	260.318	0.57945577	-0.01148
239.362	228.541	0.58135577	-0.01385
209.436	198.774	0.58265577	-0.01621
181.708	171.197	0.58315577	-0.01837
156.324	145.959	0.58295577	-0.02044
133.397	123.169	0.58195577	-0.02234
113.002	102.903	0.58025577	-0.02417
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79.9119	70.0494	0.57415577	-0.02711
67.1801	57.4244	0.56985577	-0.02834
56.9052	47.2488	0.56465577	-0.02937
48.9813	39.4164	0.55855577	-0.03021
43.271	33.7898	0.55155577	-0.03089
39.6085	30.2029	0.54365577	-0.0314
37.8019	28.4637	0.53485577	-0.03178
37.5282	28.2206	0.52515577	-0.03204
38.8773	29.6483	0.51455577	-0.0322
41.2742	32.0868	0.50305577	-0.03227
44.5649	35.4107	0.49065577	-0.03227
48.4818	39.353	0.47725577	-0.03212
52.7585	43.6486	0.46305577	-0.03203
57.1395	48.0432	0.44795577	-0.03191
61.3891	52.3029	0.43195577	-0.03177
65.302	56.2234	0.41515577	-0.03173
68.7111	59.6385	0.39745577	-0.03169
71.4929	62.4249	0.37885577	-0.03165
73.5703	64.5051	0.35945577	-0.03172
74.9121	65.8469	0.33915577	-0.03179
75.5817	66.5104	0.31805577	-0.03197
75.4747	66.3993	0.29615577	-0.03225
74.8333	65.7464	0.27335577	-0.03252
73.7231	64.6201	0.24975577	-0.03287

72.2885	63.1647	0.22535577	-0.03328
70.6958	61.5461	0.20005577	-0.03366
69.128	59.9473	0.17395577	-0.03407
67.7798	58.5627	0.14705577	-0.0345
66.8518	57.592	0.11935577	-0.03494
66.5467	57.2368	0.09075577	-0.03526
67.0636	57.6962	0.06145577	-0.03565
68.5936	59.1607	0.03125577	-0.03587
71.3135	61.8071	0.00025577	-0.03603
75.3807	65.7924	-0.03154423	-0.03608
80.9285	71.2503	-0.06404423	-0.03611
88.0627	78.2868	-0.09744423	-0.03591
96.8599	86.9791	-0.13154423	-0.03564
107.367	97.3747	-0.16644423	-0.03519
119.602	109.493	-0.20204423	-0.03465
133.559	123.329	-0.23834423	-0.03397
149.207	138.852	-0.27534423	-0.03316
166.497	156.012	-0.31304423	-0.03218
185.361	174.743	-0.35144423	-0.03101
205.713	194.959	-0.39044423	-0.02974
227.453	216.558	-0.43004423	-0.02833
250.464	239.423	-0.47014423	-0.02687
274.612	263.422	-0.51084423	-0.02523
299.754	288.407	-0.55204423	-0.02348
325.734	314.225	-0.59374423	-0.02161
352.393	340.715	-0.63584423	-0.01967
379.574	367.721	-0.67834423	-0.01765
407.13	395.092	-0.72134423	-0.0154
434.924	422.694	-0.76454423	-0.0132
462.837	450.408	-0.80814423	-0.01081
490.773	478.138	-0.85194423	-0.00841
518.661	505.814	-0.89594423	-0.00594
546.45	533.388	-0.94024423	-0.00327
574.103	560.819	-0.98464423	-0.00057
601.581	588.068	-1.02924423	0.002304
628.842	615.094	-1.07394423	0.005304
655.836	641.844	-1.11864423	0.008364
682.498	668.254	-1.16344423	0.011614
708.748	694.242	-1.20824423	0.015014
734.484	719.724	-1.25304423	0.018594
759.645	744.662	-1.29784423	0.022404
784.27	769.087	-1.34244423	0.026274
808.476	793.123	-1.38704423	0.030454
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856.461	840.816	-1.47574423	0.039404
880.721	864.944	-1.51984423	0.044244
905.474	889.567	-1.56374423	0.049344
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957.206	941.033	-1.65064423	0.060164
984.44	968.127	-1.69364423	0.065944
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1332.87	1314.91	-2.13504423	0.141454
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1399.77	1381.53	-2.20694423	0.156404
1432.67	1414.3	-2.24164423	0.163804
1464.95	1446.43	-2.27554423	0.171194
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1609.29	1590.21	-2.43064423	0.205844
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1655.42	1636.15	-2.48554423	0.218254
1675.35	1656	-2.51134423	0.224044
1693.03	1673.6	-2.53604423	0.229564
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1721.33	1701.77	-2.58194423	0.239604
1731.87	1712.25	-2.60314423	0.244124
1740	1720.33	-2.62314423	0.248294
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1734.62	1714.81	-2.73014423	0.268634
1726.39	1706.58	-2.74074423	0.270384
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1694.29	1674.52	-2.76574423	0.274304
1681.83	1662.07	-2.77184423	0.275224
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1655.54	1635.83	-2.78074423	0.276594
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1548.82	1529.41	-2.68554423	0.288974

1553.75	1534.35	-2.67164423	0.290314
1559.32	1539.92	-2.65674423	0.291584
1565.32	1545.94	-2.64094423	0.292884
1571.56	1552.18	-2.62434423	0.294274
1577.79	1558.43	-2.60674423	0.295574
1583.81	1564.46	-2.58824423	0.296834
1589.37	1570.04	-2.56874423	0.297964
1594.25	1574.94	-2.54844423	0.299124
1598.22	1578.94	-2.52714423	0.300124
1601.08	1581.83	-2.50484423	0.300914
1602.62	1583.4	-2.48164423	0.301604
1602.83	1583.63	-2.45754423	0.302154
1601.02	1581.88	-2.43254423	0.302554
1597.57	1578.49	-2.40654423	0.302694
1592.19	1573.16	-2.37964423	0.302634
1584.78	1565.81	-2.35184423	0.302374
1575.28	1556.38	-2.32314423	0.301884
1563.64	1544.82	-2.29364423	0.301254
1549.87	1531.12	-2.26314423	0.300264
1533.97	1515.31	-2.23184423	0.299094
1516	1497.44	-2.19974423	0.297724
1496.04	1477.58	-2.16694423	0.296244
1474.19	1455.83	-2.13324423	0.294424
1450.57	1432.33	-2.09884423	0.292464
1425.35	1407.22	-2.06374423	0.290334
1398.68	1380.67	-2.02794423	0.288024
1370.75	1352.87	-1.99154423	0.285624
1341.77	1324.02	-1.95454423	0.283104
1311.94	1294.33	-1.91704423	0.280544
1281.49	1264.01	-1.87894423	0.277844
1250.64	1233.3	-1.84044423	0.275184
1219.6	1202.41	-1.80144423	0.272434
1188.61	1171.55	-1.76204423	0.269684
1157.86	1140.95	-1.72234423	0.267024
1127.56	1110.79	-1.68224423	0.264324
1097.89	1081.28	-1.64194423	0.261764
1069.04	1052.57	-1.60134423	0.259234
1041.15	1024.83	-1.56054423	0.256814
1014.36	998.176	-1.51954423	0.254474
988.767	972.73	-1.47844423	0.252284
964.47	948.575	-1.43724423	0.250244
941.524	925.77	-1.39594423	0.248314
919.966	904.35	-1.35464423	0.246574
899.804	884.325	-1.31324423	0.244904
881.023	865.678	-1.27194423	0.243464
863.58	848.369	-1.23064423	0.242142
847.41	832.33	-1.18934423	0.240897
832.426	817.476	-1.14814423	0.239807
818.518	803.696	-1.10704423	0.23884
805.559	790.864	-1.06594423	0.237866
793.404	778.835	-1.02504423	0.237055
781.895	767.451	-0.98424423	0.236276
770.862	756.543	-0.94364423	0.235596
760.128	745.934	-0.90314423	0.234883
749.511	735.442	-0.86284423	0.234205

738.825	724.882	-0.82264423	0.23343
727.888	714.072	-0.78274423	0.232725
716.52	702.833	-0.74294423	0.231858
704.552	690.994	-0.70344423	0.230998
691.822	678.396	-0.66414423	0.230011
678.182	664.89	-0.62504423	0.228867
663.502	650.346	-0.58624423	0.227636
647.669	634.651	-0.54774423	0.226286
630.588	617.712	-0.50944423	0.224689
612.19	599.458	-0.47154423	0.223015
592.427	579.84	-0.43394423	0.221138
571.273	558.836	-0.39664423	0.219029
548.731	536.445	-0.35974423	0.216763
524.825	512.693	-0.32334423	0.214414
499.606	487.63	-0.28724423	0.211759
473.148	461.33	-0.25164423	0.208974
445.546	433.888	-0.21654423	0.206035
416.918	405.421	-0.18194423	0.202922
387.4	376.066	-0.14794423	0.199713
357.146	345.976	-0.11444423	0.196287
326.322	315.316	-0.08164423	0.192826
295.105	284.264	-0.04944423	0.189208
263.677	253.002	-0.01794423	0.185516
232.225	221.716	0.01285577	0.18173
200.93	190.588	0.04285577	0.177932
169.968	159.794	0.07215577	0.174003
139.506	129.5	0.10055577	0.170125
109.693	99.8566	0.12815577	0.166178
80.6635	70.9967	0.15475577	0.162343
52.5282	43.032	0.18055577	0.158401
25.3752	16.0504	0.20535577	0.15453
-0.732727	-9.88544	0.22915577	0.150711
-25.7585	-34.7385	0.25195577	0.14692
-49.6903	-58.497	0.27375577	0.143135
-72.5388	-81.1716	0.29445577	0.139433
-94.3326	-102.791	0.31405577	0.135789
-115.109	-123.39	0.33255577	0.132178
-134.897	-142.996	0.34995577	0.128574
-153.68	-161.58	0.36615577	0.125053
-171.314	-178.968	0.38115577	0.121589
-187.316	-194.602	0.39505577	0.118055
-200.36	-206.973	0.40765577	0.114627
-207.053	-212.277	0.41915577	0.111078
-199.354	-201.847	0.42925577	0.107676
-161.076	-159.698	0.43825577	0.104074
-71.6153	-70.1601	0.44615577	0.100195
60.1247	48.0667	0.45295577	0.095912
147.105	117.457	0.45885577	0.09087
96.0653	76.1579	0.46385577	0.084975
-38.1292	-34.8343	0.46805577	0.078169
-133.166	-137.542	0.47115577	0.070884
-148.544	-123.215	0.47325577	0.06313
-31.4419	-30.6962	0.47415577	0.055127
123.097	85.1961	0.47415577	0.0465
99.8146	66.7141	0.47325577	0.03717

-35.0324	-29.7255	0.47145577	0.027189
-116.762	-93.4304	0.46865577	0.016828
-42.7501	-34.5496	0.46475577	0.00632
107.252	60.6193	0.45995577	-0.00453
71.4154	38.5376	0.45415577	-0.01565
-62.9901	-43.8428	0.44745577	-0.02705
-94.341	-64.0541	0.43975577	-0.03844
48.9252	22.6104	0.43105577	-0.04973
92.1066	43.9132	0.42145577	-0.06101
-34.4617	-22.2692	0.41095577	-0.07223
-74.2878	-43.2023	0.39945577	-0.08311
45.5666	16.8975	0.38695577	-0.09355
83.1331	32.8045	0.37345577	-0.10353
-34.3066	-19.3827	0.35915577	-0.11318
-61.7615	-31.5821	0.34385577	-0.12216
77.1733	25.2344	0.32755577	-0.13038
53.8337	15.4206	0.31035577	-0.13791
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-16.586	-11.1313	0.27315577	-0.15049
66.0904	19.016	0.25325577	-0.15546
32.4636	6.49943	0.23225577	-0.15927
-36.8227	-17.1928	0.21045577	-0.16216
8.53831	-1.71184	0.18775577	-0.16392
65.7176	17.4995	0.16405577	-0.16444
14.4589	0.681191	0.13945577	-0.16379
-28.2567	-14.3858	0.11395577	-0.16189
26.6133	4.56154	0.08755577	-0.15869
58.7808	15.527	0.06025577	-0.15417
4.09306	-1.98476	0.03205577	-0.14831
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35.6527	8.52782	-0.02704423	-0.13233
53.8305	15.7521	-0.05794423	-0.12217
5.78394	-0.134442	-0.08964423	-0.11063
-7.42764	-6.50295	-0.12224423	-0.09758
37.0011	12.0895	-0.15574423	-0.08297
50.9706	21.489	-0.19014423	-0.06681
24.4811	12.7021	-0.22534423	-0.04917
15.4442	8.04437	-0.26134423	-0.03004
42.0309	24.1642	-0.29824423	-0.00928
69.5557	47.3967	-0.33594423	0.013002
84.5053	68.6292	-0.37444423	0.036811
108.853	98.5361	-0.41374423	0.06215
165.716	158.301	-0.45374423	0.088915
268.061	263.158	-0.49434423	0.116985
422.288	416.529	-0.53554423	0.14631
619.319	608.916	-0.57694423	0.176416
844.696	837.623	-0.61854423	0.207204
1101.03	1086.57	-0.66004423	0.23826
1364.52	1350.02	-0.70094423	0.268959
1631.05	1615.13	-0.74114423	0.299069
1890.94	1873.26	-0.78024423	0.328061
2139.59	2121.92	-0.81794423	0.355514
2366.16	2346.85	-0.85384423	0.380912
2573.15	2555.13	-0.88794423	0.404157
2757.99	2738.12	-0.91964423	0.42456

2910.85	2891.02	-0.94894423	0.442052
3035.18	3015.73	-0.97574423	0.456477
3125.92	3105.49	-0.99964423	0.467399
3182.53	3162.37	-1.02064423	0.474802
3207	3185.58	-1.03884423	0.478788
3198.62	3177.95	-1.05394423	0.479075
3158.4	3137.88	-1.06624423	0.476001
3084.23	3064.42	-1.07554423	0.469419
2979.33	2958.37	-1.08214423	0.459697
2843.69	2823.93	-1.08594423	0.44682
2682.36	2662.06	-1.08734423	0.431284
2497.2	2477.48	-1.08644423	0.413298
2292.29	2273.01	-1.08354423	0.393278
2071.64	2052.38	-1.07874423	0.371447
1837.92	1819.58	-1.07244423	0.348333
1596.3	1577.96	-1.06484423	0.324267
1350.11	1332.47	-1.05624423	0.299678
1104.04	1086.87	-1.04704423	0.275098
862.109	845.392	-1.03744423	0.250851
628.436	612.217	-1.02784423	0.227459
407.165	391.381	-1.01834423	0.205138
201.964	186.612	-1.00944423	0.184493
16.1854	1.17515	-1.00114423	0.165621
-147.173	-161.801	-0.99394423	0.149111
-285.146	-299.452	-0.98784423	0.135036
-394.753	-408.585	-0.98304423	0.123661
-471.414	-484.278	-0.97974423	0.115235
-503.392	-513.027	-0.97794423	0.109792
-451.402	-451.715	-0.97774423	0.107447
-217.877	-210.803	-0.97904423	0.108069
213.534	174.838	-0.98154423	0.111255
397.526	317.359	-0.98474423	0.116344
124.246	133.334	-0.98874423	0.123376
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48.1203	34.5585	-1.00594423	0.157279
213.806	200.754	-1.01354423	0.173023
373.757	370.537	-1.02194423	0.190761
520.822	498.835	-1.03084423	0.210119
692.863	667.47	-1.04004423	0.230824
917.894	903.131	-1.04944423	0.25269
1127.52	1118.49	-1.05864423	0.275213
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1567.49	1558.4	-1.07564423	0.321008
1782.77	1758.23	-1.08284423	0.343463
1993.7	1977.29	-1.08894423	0.365245
2189.37	2169.27	-1.09354423	0.385846
2378.22	2357.17	-1.09644423	0.404967
2540.91	2523.35	-1.09744423	0.422309
2694.39	2669.36	-1.09634423	0.437587
2813.16	2798.37	-1.09294423	0.45052
2921.74	2893.65	-1.08714423	0.46094
2988.38	2974.4	-1.07874423	0.46859
3043.31	3015.18	-1.06764423	0.473325
3056.84	3039.02	-1.05384423	0.475115

3049.19	3022.97	-1.03744423	0.474041
3002.67	2985.64	-1.01824423	0.469902
2937.45	2913.44	-0.99644423	0.462908
2836.96	2818.43	-0.97204423	0.453087
2715.6	2693.73	-0.94524423	0.440679
2567.71	2548.41	-0.91614423	0.425835
2399.5	2379.26	-0.88504423	0.408921
2213.31	2194.13	-0.85194423	0.390013
2011.23	1992.32	-0.81734423	0.369695
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1576.89	1559.05	-0.74414423	0.325704
1351.39	1333.65	-0.70624423	0.302931
1125.03	1108.03	-0.66764423	0.279943
901.635	885.199	-0.62884423	0.257346
685.978	669.534	-0.59004423	0.23544
480.126	464.339	-0.55144423	0.214523
287.401	272.145	-0.51344423	0.195086
111.543	96.6586	-0.47604423	0.177213
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7.60019	-0.0671747	-0.24884423	0.118159
332.94	281.974	-0.22164423	0.119374
207.876	177.729	-0.19514423	0.122051
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-134.286	-138.174	-0.12144423	0.140868
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112.382	99.789	-0.07804423	0.163394
246.742	226.152	-0.05764423	0.176987
342.202	332.37	-0.03804423	0.19192
449.297	436.141	-0.01904423	0.207898
601.84	588.095	-0.00054423	0.224714
777.662	764.028	0.01775577	0.241941
939.873	923.951	0.03595577	0.259338
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1261.9	1248.81	0.07305577	0.293074
1413.18	1398.2	0.09225577	0.308833
1559.15	1543.19	0.11225577	0.323304
1678.47	1661.12	0.13305577	0.336354
1791.09	1780.39	0.15485577	0.347664
1883.59	1861.99	0.17795577	0.356824
1947.39	1937.11	0.20215577	0.363933
1996.38	1977.76	0.22785577	0.368511
2015.38	2006.02	0.25485577	0.370692
2010.56	1997.03	0.28325577	0.370328
1984.26	1966.33	0.31315577	0.367292
1925.41	1912.62	0.34435577	0.361775
1851.77	1834.59	0.37685577	0.35379
1746.53	1734.85	0.41055577	0.343469
1628.55	1610.01	0.44525577	0.331064
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1329.28	1309.85	0.51735577	0.300597
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786.164	776.348	0.62895577	0.245562
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404.553	393.251	0.70305577	0.206652
220.115	206.831	0.73935577	0.187582
41.7729	30.3211	0.77485577	0.169241
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112.803	107.867	0.96125577	0.089834
274.72	342.221	0.98775577	0.081734
4.44981	-47.7147	1.01365577	0.074044
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212.523	248.944	1.08425577	0.058004
163.126	172.332	1.10575577	0.054484
-90.0216	-126.374	1.12635577	0.051624
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26.7233	7.25982	1.16425577	0.048904
174.433	176.227	1.18165577	0.048834
50.108	27.5817	1.19815577	0.049324
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76.6319	66.6206	1.24165577	0.055334
144.62	121.793	1.25415577	0.058764
26.9157	16.0322	1.26575577	0.062664
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33.8073	22.0035	1.29455577	0.078344
117.569	98.6244	1.30215577	0.084824
94.758	79.1276	1.30885577	0.091724
20.0972	11.8222	1.31475577	0.098944
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21.3597	10.9557	1.32635577	0.124044
74.4406	63.5548	1.32825577	0.133464
124.229	114.209	1.32925577	0.143264
172.404	163.1	1.32955577	0.153184
235.082	225.821	1.32895577	0.163384
327.868	317.629	1.32765577	0.173594
444.152	433.338	1.32585577	0.183554
551.767	540.871	1.32355577	0.193154
629.964	619.175	1.32095577	0.202114
700.256	690.182	1.31815577	0.210274
781.064	771.595	1.31525577	0.217484
855.989	842.221	1.31225577	0.223674
902.64	891.988	1.30935577	0.228594
931.521	923.148	1.30655577	0.232244
957.433	942.851	1.30395577	0.234484
969.034	958.259	1.30145577	0.235434
960.204	951.606	1.29925577	0.234894

939.936	926.341	1.29715577	0.233104
908.804	897.157	1.29525577	0.230004
863.155	852.064	1.29345577	0.225734
802.888	791.48	1.29175577	0.220364
735.63	724.7	1.29005577	0.214074
663.549	651.138	1.28815577	0.207134
582.881	570.716	1.28625577	0.199434
496.021	485.238	1.28395577	0.191454
407.57	396.913	1.28135577	0.183204
320.02	308.352	1.27815577	0.175054
234.519	222.539	1.27445577	0.167004
152.823	141.055	1.27005577	0.159344
76.68	65.229	1.26485577	0.152244
8.08093	-3.30779	1.25875577	0.145894
-50.8589	-62.3545	1.25175577	0.140354
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-128.38	-140.987	1.23445577	0.132534
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-113.937	-130.516	1.21265577	0.129434
-48.1735	-65.5646	1.20005577	0.129704
51.8113	41.6949	1.18645577	0.131034
136.723	141.148	1.17195577	0.133264
153.973	161.548	1.15665577	0.136274
108.983	92.8829	1.14065577	0.139974
57.6002	39.828	1.12375577	0.144594
64.3539	46.2698	1.10595577	0.150174
109.576	94.1832	1.08725577	0.156724
183.604	171.876	1.06775577	0.164154
261.552	253.003	1.04755577	0.172324
332.008	319.758	1.02675577	0.181104
410.442	392.261	1.00535577	0.190464
509.058	495.062	0.98345577	0.200274
610.881	602.554	0.96135577	0.210194
702.179	687.801	0.93895577	0.220294
800.951	783.171	0.91645577	0.230334
902.409	892.197	0.89405577	0.240064
993.979	977.627	0.87175577	0.249464
1080.65	1065.48	0.84975577	0.258294
1167.21	1154.14	0.82815577	0.266434
1245.63	1228.97	0.80695577	0.273854
1313.49	1298.85	0.78625577	0.280444
1372.57	1357.46	0.76635577	0.285884
1424.66	1408.37	0.74705577	0.290374
1464.02	1448.69	0.72855577	0.293714
1493.44	1477.79	0.71095577	0.295824
1513.47	1497.08	0.69415577	0.296796
1520.27	1504.65	0.67815577	0.296668
1517.9	1502.21	0.66315577	0.295266
1505.65	1489.13	0.64895577	0.292825
1482.89	1466.81	0.63565577	0.289284
1451.09	1435.31	0.62325577	0.28469
1411.8	1395.27	0.61155577	0.279293
1364.02	1348.06	0.60065577	0.273048
1310.11	1293.97	0.59035577	0.266213
1250.97	1234.83	0.58075577	0.25875

1187.29	1171.37	0.57165577	0.250921
1120.99	1104.94	0.56305577	0.242791
1052.92	1037.1	0.55485577	0.234526
984.737	968.912	0.54685577	0.226388
917.706	901.917	0.53915577	0.218343
853.033	837.396	0.53165577	0.210552
792.246	776.639	0.52415577	0.203275
736.361	720.779	0.51665577	0.196569
686.421	670.936	0.50905577	0.190586
643.757	628.294	0.50125577	0.185475
609.189	593.716	0.49335577	0.181182
583.209	567.764	0.48515577	0.177944
566.514	551.068	0.47675577	0.175697
559.706	544.2	0.46795577	0.174668
562.984	547.417	0.45895577	0.174679
576.379	560.761	0.44965577	0.175848
599.884	584.171	0.44005577	0.178185
633.252	617.407	0.43025577	0.181594
676.025	660.058	0.42015577	0.186173
727.704	711.599	0.41005577	0.191615
787.574	771.291	0.39975577	0.198106
854.676	838.216	0.38945577	0.205428
928.108	911.458	0.37915577	0.213557
1006.81	989.959	0.36915577	0.222161
1089.46	1072.44	0.35925577	0.231406
1174.85	1157.61	0.34985577	0.240855
1261.66	1244.19	0.34075577	0.250664
1348.47	1330.87	0.33235577	0.26039
1433.94	1416.1	0.32455577	0.270084
1516.64	1498.6	0.31745577	0.279599
1595.31	1577.13	0.31125577	0.288687
1668.59	1650.24	0.30605577	0.297199
1735.35	1716.85	0.30185577	0.305087
1794.43	1775.83	0.29885577	0.312106
1844.86	1826.16	0.29695577	0.318312
1885.77	1866.97	0.29645577	0.323364
1916.38	1897.57	0.29715577	0.327425
1936.21	1917.31	0.29915577	0.330362
1944.77	1925.93	0.30265577	0.331946
1941.9	1923.03	0.30745577	0.332351
1927.49	1908.75	0.31355577	0.331559
1901.8	1883.09	0.32115577	0.329356
1865.04	1846.48	0.32995577	0.32603
1817.79	1799.34	0.34015577	0.321379
1760.64	1742.37	0.35145577	0.315701
1694.43	1676.35	0.36395577	0.308904
1620.09	1602.22	0.37755577	0.301096
1538.65	1521.01	0.39205577	0.29249
1451.26	1433.88	0.40745577	0.283104
1359.17	1342.05	0.42365577	0.273058
1263.62	1246.78	0.44045577	0.262572
1165.96	1149.41	0.45785577	0.251671
1067.54	1051.27	0.47555577	0.240679
969.657	953.687	0.49365577	0.229519
873.624	857.939	0.51185577	0.218516

780.683	765.304	0.53015577	0.207691
692.069	676.965	0.54835577	0.197263
608.865	594.034	0.56645577	0.18725
532.057	517.491	0.58425577	0.177866
462.533	448.227	0.60175577	0.169119
401.061	386.992	0.61875577	0.161214
348.236	334.391	0.63525577	0.154151
304.493	290.856	0.65115577	0.148023
270.11	256.669	0.66645577	0.142821
245.205	231.944	0.68115577	0.138527
229.725	216.627	0.69505577	0.135317
223.446	210.496	0.70825577	0.133062
225.975	213.159	0.72075577	0.131728
236.763	224.067	0.73255577	0.131274
255.111	242.523	0.74365577	0.131655
280.18	267.69	0.75405577	0.132818
311.011	298.608	0.76385577	0.13461
346.544	334.22	0.77305577	0.13697
385.647	373.393	0.78165577	0.139835
427.124	414.935	0.78965577	0.143141
469.736	457.606	0.79735577	0.14652
512.221	500.152	0.80455577	0.150104
553.34	541.333	0.81135577	0.153723
591.894	579.949	0.81795577	0.157111
626.737	614.853	0.82425577	0.160299
656.802	644.985	0.83025577	0.163224
681.141	669.398	0.83615577	0.165624
698.923	687.259	0.84185577	0.167544
709.452	697.876	0.84745577	0.168824
712.201	700.719	0.85295577	0.169424
706.818	695.436	0.85835577	0.169294
693.125	681.85	0.86355577	0.168504
671.122	659.962	0.86865577	0.166934
640.982	629.943	0.87355577	0.164644
603.047	592.135	0.87835577	0.161524
557.83	547.049	0.88285577	0.157774
506.002	495.354	0.88705577	0.153384
448.374	437.862	0.89085577	0.148454
385.886	375.511	0.89425577	0.143014
319.593	309.352	0.89715577	0.137154
250.644	240.533	0.89945577	0.131014
180.262	170.274	0.90105577	0.124704
109.726	99.8522	0.90195577	0.118264
40.3538	30.5799	0.90205577	0.111814
-26.51	-36.2042	0.90115577	0.105574
-89.4875	-99.1372	0.89925577	0.099589
-147.13	-156.802	0.89625577	0.093977
-197.782	-207.62	0.89215577	0.088762
-239.157	-249.526	0.88675577	0.084164
-267.116	-278.976	0.88015577	0.080096
-273.659	-288.434	0.87225577	0.07666
-240.248	-262.024	0.86315577	0.073739
-146.914	-173.756	0.85265577	0.071487
3.57958	-10.2975	0.84105577	0.069511
138.294	162.115	0.82845577	0.067581

166.295	203.624	0.81515577	0.065295
84.1974	67.3432	0.80105577	0.062727
-25.8385	-50.4616	0.78605577	0.060031
-86.0251	-108	0.77015577	0.057283
-79.8471	-97.9439	0.75315577	0.054731
-35.8621	-49.6476	0.73505577	0.052376
30.9048	22.2622	0.71605577	0.049987
88.1918	89.0732	0.69605577	0.047619
112.835	113.095	0.67525577	0.045034
98.2463	92.569	0.65375577	0.042121
64.6186	52.8752	0.63135577	0.039099
33.1342	20.8146	0.60805577	0.036005
17.2412	3.18252	0.58385577	0.032878
15.0546	5.47506	0.55885577	0.029645
29.3364	18.5535	0.53285577	0.026525
49.1645	39.7177	0.50605577	0.023327
71.5972	62.6099	0.47825577	0.02026
90.9405	82.6634	0.44975577	0.017028
104.342	95.8558	0.42045577	0.013744
111.398	102.389	0.39025577	0.010524
115.546	105.68	0.35945577	0.007094
120.946	110.643	0.32775577	0.003781
130.38	120.016	0.29535577	0.000415
143.603	133.518	0.26225577	-0.00297
158.143	148.398	0.22835577	-0.00626
171.346	161.625	0.19385577	-0.00962
182.626	172.589	0.15865577	-0.01293
193.605	183.251	0.12275577	-0.01614
205.913	195.533	0.08625577	-0.01934
219.463	209.211	0.04905577	-0.02238
232.954	222.755	0.01135577	-0.02545
245.713	235.382	-0.02694423	-0.02839
258.218	247.746	-0.06584423	-0.0312
271.226	260.691	-0.10534423	-0.03382
284.848	274.298	-0.14524423	-0.03644
298.544	287.937	-0.18574423	-0.03882
311.403	300.706	-0.22674423	-0.04102
322.613	311.83	-0.26814423	-0.04312
332.025	321.181	-0.31004423	-0.04499
340.262	329.357	-0.35234423	-0.04669
348.062	337.08	-0.39504423	-0.04818
355.726	344.659	-0.43824423	-0.04933
363.239	352.087	-0.48184423	-0.0502
370.671	359.432	-0.52574423	-0.05087
378.302	366.967	-0.57004423	-0.05119
386.453	375.016	-0.61474423	-0.05113
395.345	383.804	-0.65984423	-0.05066
405.124	393.472	-0.70524423	-0.04985
415.934	404.166	-0.75094423	-0.04865
427.936	416.051	-0.79694423	-0.04704
441.272	429.264	-0.84334423	-0.04489
456.028	443.891	-0.88994423	-0.04237
472.244	459.98	-0.93674423	-0.03944
489.969	477.587	-0.98394423	-0.03589
509.277	496.78	-1.03124423	-0.03198

530.23	517.611	-1.07874423	-0.02758
552.841	540.091	-1.12634423	-0.02277
577.067	564.178	-1.17424423	-0.01732
602.812	589.778	-1.22214423	-0.01152
629.953	616.764	-1.27004423	-0.00534
658.369	645.015	-1.31814423	0.001444
687.976	674.443	-1.36614423	0.008544
718.708	704.97	-1.41414423	0.016074
750.484	736.529	-1.46204423	0.023944
783.242	769.061	-1.50984423	0.032184
816.947	802.525	-1.55754423	0.040784
851.561	836.886	-1.60504423	0.049664
887.034	872.099	-1.65234423	0.058834
923.306	908.106	-1.69944423	0.068294
960.297	944.829	-1.74614423	0.077854
997.899	982.167	-1.79244423	0.087524
1035.98	1019.99	-1.83844423	0.097394
1074.41	1058.16	-1.88404423	0.107394
1113.01	1096.51	-1.92914423	0.117414
1151.6	1134.86	-1.97374423	0.127464
1189.98	1173.01	-2.01774423	0.137454
1227.96	1210.77	-2.06114423	0.147404
1265.35	1247.95	-2.10384423	0.157204
1302.01	1284.41	-2.14594423	0.166964
1337.87	1320.09	-2.18724423	0.176514
1372.91	1354.95	-2.22784423	0.185954
1407.13	1389.02	-2.26764423	0.195204
1440.55	1422.28	-2.30654423	0.204154
1473.17	1454.74	-2.34454423	0.212844
1504.94	1486.34	-2.38164423	0.221274
1535.75	1516.99	-2.41784423	0.229454
1565.49	1546.58	-2.45304423	0.237304
1594.03	1574.97	-2.48724423	0.244834
1621.24	1602.05	-2.52034423	0.251954
1647	1627.68	-2.55244423	0.258784
1671.17	1651.72	-2.58334423	0.265144
1693.62	1674.06	-2.61314423	0.271124
1714.24	1694.57	-2.64184423	0.276764
1732.91	1713.14	-2.66934423	0.281954
1749.53	1729.68	-2.69574423	0.286824
1764.04	1744.1	-2.72084423	0.291184
1776.39	1756.37	-2.74474423	0.295154
1786.54	1766.45	-2.76744423	0.298734
1794.49	1774.34	-2.78884423	0.301854
1800.28	1780.07	-2.80904423	0.304614
1803.95	1783.69	-2.82804423	0.307034
1805.64	1785.33	-2.84574423	0.309044
1805.24	1784.92	-2.86214423	0.310634
1803.08	1782.72	-2.87744423	0.312034
1799.21	1778.83	-2.89144423	0.313064
1793.78	1773.39	-2.90414423	0.313714
1786.96	1766.57	-2.91574423	0.314234
1778.93	1758.53	-2.92604423	0.314404
1769.86	1749.47	-2.93514423	0.314364
1759.96	1739.58	-2.94314423	0.314214

1749.42	1729.05	-2.94994423	0.313864
1738.44	1718.07	-2.95554423	0.313344
1727.21	1706.86	-2.96004423	0.312744
1715.92	1695.59	-2.96334423	0.311994
1704.76	1684.46	-2.96564423	0.311284
1693.92	1673.63	-2.96674423	0.310454
1683.55	1663.29	-2.96684423	0.309684
1673.81	1653.57	-2.96584423	0.308894
1664.84	1644.63	-2.96374423	0.308094
1656.76	1636.57	-2.96064423	0.307384
1649.68	1629.51	-2.95644423	0.306674
1643.68	1623.53	-2.95134423	0.306174
1638.82	1618.69	-2.94514423	0.305664
1635.15	1615.03	-2.93784423	0.305174
1632.69	1612.58	-2.92964423	0.304884
1631.42	1611.32	-2.92044423	0.304704
1631.22	1611.13	-2.91024423	0.304624
1632.33	1612.25	-2.89904423	0.304654
1634.38	1614.32	-2.88674423	0.304674
1637.38	1617.32	-2.87354423	0.304894
1641.19	1621.14	-2.85934423	0.305194
1645.69	1625.64	-2.84414423	0.305574
1650.72	1630.68	-2.82794423	0.306024
1656.11	1636.08	-2.81064423	0.306424
1661.68	1641.66	-2.79244423	0.306984
1667.25	1647.23	-2.77314423	0.307474
1672.62	1652.61	-2.75284423	0.307984
1677.59	1657.6	-2.73154423	0.308504
1681.98	1662	-2.70924423	0.309014
1685.6	1665.64	-2.68584423	0.309414
1688.27	1668.33	-2.66144423	0.309764
1689.83	1669.92	-2.63604423	0.310064
1690.15	1670.26	-2.60954423	0.310204
1689.06	1669.21	-2.58204423	0.310244
1686.48	1666.66	-2.55354423	0.310184
1682.31	1662.54	-2.52404423	0.310004
1676.49	1656.76	-2.49354423	0.309684
1668.96	1649.29	-2.46204423	0.309214
1659.72	1640.1	-2.42954423	0.308564
1648.75	1629.2	-2.39614423	0.307824
1636.09	1616.61	-2.36174423	0.306874
1621.78	1602.37	-2.32644423	0.305804
1605.89	1586.56	-2.29014423	0.304484
1588.5	1569.25	-2.25304423	0.303104
1569.73	1550.57	-2.21514423	0.301644
1549.68	1530.61	-2.17634423	0.299984
1528.51	1509.54	-2.13674423	0.298224
1506.34	1487.47	-2.09644423	0.296424
1483.35	1464.59	-2.05534423	0.294474
1459.69	1441.03	-2.01364423	0.292564
1435.52	1416.98	-1.97114423	0.290474
1411.02	1392.59	-1.92814423	0.288474
1386.35	1368.04	-1.88444423	0.286364
1361.67	1343.48	-1.84014423	0.284204
1337.14	1319.07	-1.79544423	0.282194

1312.9	1294.95	-1.75014423	0.280104
1289.09	1271.26	-1.70434423	0.278024
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1243.19	1225.61	-1.61164423	0.274174
1221.31	1203.85	-1.56464423	0.272274
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1180.02	1162.81	-1.46964423	0.268684
1160.69	1143.6	-1.42174423	0.267064
1142.26	1125.29	-1.37354423	0.265474
1124.72	1107.88	-1.32514423	0.264014
1108.04	1091.33	-1.27644423	0.262544
1092.18	1075.59	-1.22764423	0.261233
1077.07	1060.6	-1.17854423	0.259864
1062.62	1046.27	-1.12934423	0.258605
1048.74	1032.52	-1.08004423	0.257426
1035.33	1019.23	-1.03054423	0.2562
1022.25	1006.27	-0.98104423	0.255096
1009.38	993.527	-0.93134423	0.253885
996.576	980.853	-0.88164423	0.252737
983.705	968.11	-0.83184423	0.251521
970.622	955.156	-0.78204423	0.250307
957.187	941.852	-0.73224423	0.249065
943.262	928.06	-0.68234423	0.247665
928.718	913.651	-0.63254423	0.246276
913.435	898.505	-0.58274423	0.244769
897.301	882.51	-0.53294423	0.243114
880.221	865.573	-0.48324423	0.241384
862.116	847.612	-0.43364423	0.239549
842.92	828.563	-0.38414423	0.237581
822.589	808.381	-0.33474423	0.235455
801.099	787.042	-0.28554423	0.233244
778.443	764.541	-0.23644423	0.230823
754.638	740.892	-0.18764423	0.228367
729.721	716.133	-0.13904423	0.225753
703.75	690.32	-0.09064423	0.222958
676.8	663.531	-0.04254423	0.220061
648.969	635.862	0.00515577	0.21714
620.37	607.425	0.05255577	0.214077
591.131	578.349	0.09955577	0.210952
561.396	548.777	0.14615577	0.207747
531.319	518.862	0.19235577	0.204444
501.062	488.767	0.23795577	0.201227
470.795	458.661	0.28315577	0.19788
440.691	428.716	0.32775577	0.194585
410.922	399.104	0.37175577	0.19133
381.659	369.997	0.41515577	0.188097
353.066	341.557	0.45795577	0.184872
325.301	313.943	0.50005577	0.181742
298.51	287.299	0.54135577	0.178789
272.824	261.757	0.58205577	0.1758
248.36	237.434	0.62195577	0.17296
225.217	214.429	0.66105577	0.170253
203.475	192.82	0.69925577	0.167763
183.194	172.668	0.73675577	0.165274
164.41	154.011	0.77335577	0.16297

147.141	136.864	0.80905577	0.160833
131.373	121.217	0.84395577	0.158744
117.075	107.034	0.87785577	0.156894
104.189	94.2596	0.91085577	0.155144
92.6424	82.819	0.94295577	0.153494
82.3429	72.622	0.97415577	0.151914
73.1876	63.5639	1.00435577	0.150494
65.0617	55.5306	1.03365577	0.149094
57.8438	48.4	1.06195577	0.147824
51.4088	42.047	1.08925577	0.146644
45.6316	36.3462	1.11565577	0.145444
40.3908	31.1761	1.14105577	0.144314
35.5724	26.4224	1.16555577	0.143134
31.0732	21.9817	1.18895577	0.142074
26.8041	17.7647	1.21145577	0.140954
22.6933	13.6993	1.23295577	0.139834
18.6887	9.73309	1.25355577	0.138624
14.7598	5.83554	1.27305577	0.137514
10.8999	1.99959	1.29165577	0.136294
7.12657	-1.75736	1.30915577	0.135164
3.48221	-5.39298	1.32575577	0.133924
0.033895	-8.84036	1.34135577	0.132684
-3.12783	-12.009	1.35595577	0.131434
-5.89055	-14.7863	1.36955577	0.130194
-8.12253	-17.0406	1.38215577	0.128974
-9.67626	-18.6241	1.39375577	0.127774
-10.393	-19.3912	1.40435577	0.126604
-10.1089	-19.1357	1.41405577	0.125394
-8.66313	-17.7373	1.42265577	0.124344
-5.90904	-15.0337	1.43025577	0.123364
-1.72869	-10.9049	1.43685577	0.122494
3.94859	-5.27784	1.44255577	0.121624
11.125	1.8514	1.44725577	0.120884
19.7151	10.3975	1.45095577	0.120284
29.5372	20.1759	1.45365577	0.119854
40.3278	30.917	1.45545577	0.119504
51.7906	42.316	1.45635577	0.119244
63.6749	54.1164	1.45635577	0.119114
75.863	66.2009	1.45535577	0.119214
88.4249	78.6473	1.45355577	0.119374
101.605	91.7105	1.45085577	0.119704
115.74	105.731	1.44735577	0.120144
131.136	121.012	1.44295577	0.120804
147.974	137.726	1.43775577	0.121604
166.282	155.899	1.43175577	0.122564
185.976	175.454	1.42495577	0.123714
206.95	196.296	1.41735577	0.125074
229.13	218.349	1.40915577	0.126444
252.468	241.562	1.40015577	0.128064
276.894	265.856	1.39055577	0.129734
302.28	291.104	1.38025577	0.131584
328.442	317.126	1.36945577	0.133414
355.177	343.726	1.35795577	0.135464
382.291	370.709	1.34595577	0.137534
409.587	397.871	1.33355577	0.139544

436.839	424.986	1.32055577	0.141704
463.805	451.821	1.30715577	0.143844
490.278	478.168	1.29335577	0.145964
516.108	503.873	1.27915577	0.148094
541.204	528.843	1.26465577	0.150144
565.539	553.053	1.24975577	0.152224
589.121	576.512	1.23465577	0.154164
611.935	599.203	1.21925577	0.156084
633.916	621.063	1.20365577	0.157884
654.985	642.018	1.18795577	0.159494
675.089	662.009	1.17195577	0.161144
694.193	681.002	1.15585577	0.162624
712.271	698.975	1.13965577	0.163984
729.308	715.91	1.12325577	0.165314
745.301	731.804	1.10685577	0.166454
760.269	746.676	1.09035577	0.167514
774.242	760.554	1.07385577	0.168424
787.255	773.474	1.05735577	0.169184
799.35	785.477	1.04075577	0.169934
810.572	796.611	1.02425577	0.170474
820.974	806.927	1.00765577	0.171044
830.614	816.485	0.99115577	0.171444
839.56	825.351	0.97475577	0.171694
847.884	833.597	0.95835577	0.171924
855.659	841.297	0.94205577	0.172044
862.963	848.528	0.92575577	0.172174
869.872	855.367	0.90965577	0.172124
876.466	861.892	0.89355577	0.172124
882.824	868.183	0.87755577	0.172074
889.023	874.315	0.86165577	0.172004
895.136	880.363	0.84595577	0.171824
901.234	886.398	0.83035577	0.171644
907.383	892.486	0.81485577	0.171475
913.646	898.688	0.79945577	0.171134
920.075	905.058	0.78425577	0.171148
926.718	911.641	0.76915577	0.171009
933.611	918.477	0.75425577	0.170836
940.786	925.593	0.73955577	0.170638
948.26	933.011	0.72495577	0.170525
956.044	940.739	0.71065577	0.170307
964.139	948.779	0.69645577	0.170193
972.535	957.12	0.68245577	0.170091
981.213	965.744	0.66865577	0.170008
990.146	974.624	0.65515577	0.169852
999.298	983.723	0.64185577	0.16973
1008.63	992.998	0.62875577	0.169647
1018.08	1002.4	0.61595577	0.169509
1027.6	1011.87	0.60345577	0.169323
1037.13	1021.35	0.59115577	0.169193
1046.62	1030.79	0.57915577	0.169026
1055.98	1040.11	0.56745577	0.168824
1065.17	1049.25	0.55615577	0.168494
1074.11	1058.14	0.54505577	0.168241
1082.73	1066.73	0.53435577	0.167867
1090.99	1074.94	0.52395577	0.167479

1098.82	1082.73	0.51385577	0.167081
1106.17	1090.04	0.50425577	0.166478
1112.99	1096.83	0.49495577	0.165873
1119.26	1103.06	0.48595577	0.165273
1124.92	1108.69	0.47745577	0.164482
1129.97	1113.71	0.46925577	0.163706
1134.39	1118.1	0.46145577	0.16285
1138.17	1121.85	0.45405577	0.161919
1141.31	1124.97	0.44715577	0.160819
1143.83	1127.46	0.44055577	0.159756
1145.74	1129.35	0.43435577	0.158637
1147.08	1130.67	0.42865577	0.157367
1147.88	1131.45	0.42325577	0.156154
1148.18	1131.73	0.41835577	0.154803
1148.02	1131.56	0.41385577	0.153421
1147.47	1130.99	0.40975577	0.152016
1146.59	1130.1	0.40605577	0.150594
1145.43	1128.92	0.40275577	0.149162
1144.06	1127.54	0.39995577	0.147627
1142.55	1126.02	0.39745577	0.146196
1140.96	1124.42	0.39535577	0.144775
1139.35	1122.81	0.39365577	0.14337
1137.8	1121.26	0.39245577	0.141889
1136.37	1119.81	0.39155577	0.140537
1135.09	1118.53	0.39105577	0.139219
1134.04	1117.47	0.39105577	0.137841
1133.24	1116.67	0.39135577	0.136607
1132.74	1116.16	0.39205577	0.135422
1132.55	1115.98	0.39315577	0.13429
1132.71	1116.13	0.39455577	0.133314
1133.22	1116.64	0.39645577	0.132297
1134.08	1117.49	0.39875577	0.131341
1135.27	1118.68	0.40135577	0.130547
1136.79	1120.2	0.40445577	0.129717
1138.6	1122.01	0.40785577	0.12905
1140.67	1124.07	0.41165577	0.128447
1142.95	1126.35	0.41585577	0.127907
1145.4	1128.8	0.42045577	0.127429
1147.95	1131.34	0.42555577	0.12691
1150.54	1133.93	0.43095577	0.126548
1153.1	1136.5	0.43675577	0.12624
1155.57	1138.97	0.44295577	0.125983
1157.86	1141.27	0.44965577	0.125672
1159.91	1143.32	0.45675577	0.125403
1161.65	1145.06	0.46415577	0.125272
1162.99	1146.41	0.47205577	0.125073
1163.87	1147.3	0.48035577	0.1249
1164.22	1147.67	0.48905577	0.124748
1163.97	1147.44	0.49825577	0.124511
1163.08	1146.56	0.50785577	0.124282
1161.49	1144.99	0.51775577	0.124154
1159.15	1142.68	0.52815577	0.12392
1156.04	1139.6	0.53895577	0.123673
1152.13	1135.72	0.55015577	0.123406
1147.4	1131.02	0.56175577	0.123112

1141.85	1125.5	0.57375577	0.122781
1135.47	1119.16	0.58615577	0.122406
1128.28	1112.01	0.59885577	0.122079
1120.3	1104.08	0.61205577	0.121591
1111.56	1095.39	0.62545577	0.121233
1102.09	1085.97	0.63935577	0.120696
1091.95	1075.88	0.65345577	0.12027
1081.17	1065.16	0.66795577	0.119745
1069.82	1053.87	0.68275577	0.119211
1057.96	1042.07	0.69775577	0.118758
1045.64	1029.81	0.71315577	0.118172
1032.94	1017.18	0.72875577	0.117644
1019.91	1004.22	0.74455577	0.11716
1006.62	991	0.76065577	0.116607
993.131	977.585	0.77695577	0.116071
979.499	964.031	0.79345577	0.115539
965.778	950.389	0.81015577	0.114994
952.014	936.706	0.82695577	0.11452
938.247	923.022	0.84395577	0.114002
924.508	909.37	0.86105577	0.113521
910.823	895.773	0.87825577	0.113059
897.207	882.246	0.89555577	0.112594
883.666	868.797	0.91295577	0.112114
870.196	855.421	0.93035577	0.111694
856.787	842.108	0.94785577	0.111204
843.417	828.837	0.96535577	0.110734
830.059	815.58	0.98295577	0.110154
816.675	802.299	1.00045577	0.109644
803.225	788.954	1.01795577	0.109084
789.659	775.495	1.03535577	0.108534
775.927	761.872	1.05285577	0.107784
761.973	748.03	1.07015577	0.107104
747.743	733.912	1.08735577	0.106364
733.181	719.465	1.10455577	0.105454
718.234	704.635	1.12155577	0.104534
702.853	689.373	1.13845577	0.103474
686.995	673.635	1.15525577	0.102264
670.624	657.385	1.17175577	0.101074
653.713	640.596	1.18815577	0.099674
636.243	623.25	1.20425577	0.098244
618.21	605.34	1.22015577	0.096674
599.62	586.874	1.23585577	0.094914
580.492	567.871	1.25125577	0.093064
560.861	548.363	1.26635577	0.091104
540.773	528.399	1.28105577	0.089104
520.29	508.038	1.29555577	0.086844
499.485	487.354	1.30955577	0.084624
478.443	466.433	1.32315577	0.082314
457.261	445.369	1.33645577	0.079794
436.044	424.269	1.34925577	0.077264
414.906	403.245	1.36155577	0.074714
393.965	382.416	1.37335577	0.072114
373.345	361.905	1.38465577	0.069464
353.17	341.836	1.39545577	0.066754
333.564	322.333	1.40565577	0.064074

314.65	303.518	1.41525577	0.061414
296.543	285.506	1.42425577	0.058774
279.353	268.407	1.43265577	0.056144
263.181	252.322	1.44045577	0.053514
248.117	237.341	1.44745577	0.051074
234.238	223.54	1.45385577	0.048634
221.61	210.985	1.45955577	0.046274
210.28	199.723	1.46455577	0.044004
200.282	189.788	1.46875577	0.041904
191.634	181.198	1.47225577	0.039884
184.336	173.953	1.47495577	0.038024
178.376	168.039	1.47695577	0.036234
173.724	163.428	1.47825577	0.034494
170.339	160.078	1.47865577	0.033024
168.166	157.934	1.47835577	0.031594
167.142	156.932	1.47725577	0.030314
167.036	156.836	1.47535577	0.029184
168.225	158.045	1.47275577	0.028094
170.159	159.987	1.46935577	0.027154
172.897	162.726	1.46515577	0.026344
176.339	166.166	1.46015577	0.025674
180.388	170.208	1.45445577	0.025034
184.946	174.755	1.44795577	0.024544
189.919	179.714	1.44075577	0.024074
195.221	184.996	1.43275577	0.023754
200.769	190.522	1.42405577	0.023464
206.494	196.22	1.41455577	0.023324
212.333	202.029	1.40435577	0.023214
218.237	207.899	1.39355577	0.023064
224.168	213.793	1.38195577	0.023064
230.098	219.684	1.36965577	0.023124
236.015	225.558	1.35665577	0.023244
241.916	231.413	1.34305577	0.023334
247.81	237.258	1.32865577	0.023604
253.717	243.114	1.31365577	0.023864
259.666	249.009	1.29805577	0.024124
265.696	254.982	1.28175577	0.024484
271.854	261.081	1.26485577	0.024864
278.191	267.356	1.24725577	0.025364
284.765	273.866	1.22905577	0.025914
291.636	280.669	1.21025577	0.026504
298.866	287.829	1.19085577	0.027164
306.515	295.406	1.17095577	0.027794
314.643	303.459	1.15035577	0.028614
323.306	312.044	1.12925577	0.029424
332.553	321.21	1.10755577	0.030354
342.427	331.001	1.08535577	0.031304
352.963	341.452	1.06255577	0.032394
364.19	352.589	1.03935577	0.033434
376.123	364.431	1.01555577	0.034644
388.772	376.985	0.99135577	0.035824
402.135	390.251	0.96655577	0.037194
416.203	404.218	0.94145577	0.038465
430.957	418.869	0.91585577	0.039853
446.372	434.177	0.88985577	0.041268

462.413	450.109	0.86345577	0.042726
479.042	466.626	0.83665577	0.044238
496.215	483.683	0.80955577	0.045719
513.883	501.233	0.78205577	0.047282
531.991	519.221	0.75425577	0.04884
550.48	537.588	0.72625577	0.05031
569.283	556.268	0.69795577	0.051804
588.329	575.19	0.66935577	0.053339
607.54	594.277	0.64065577	0.05473
626.831	613.444	0.61165577	0.056195
646.116	632.601	0.58255577	0.057551
665.321	651.671	0.55335577	0.05882
684.365	670.588	0.52395577	0.060125
703.172	689.266	0.49445577	0.061391
721.642	707.619	0.46485577	0.062643
739.688	725.557	0.43525577	0.063805
757.233	743.004	0.40555577	0.065004
774.219	759.899	0.37595577	0.066066
790.603	776.202	0.34625577	0.067215
806.362	791.886	0.31665577	0.068278
821.487	806.943	0.28705577	0.069381
835.985	821.375	0.25755577	0.070447
849.87	835.198	0.22815577	0.071501
863.165	848.432	0.19885577	0.072568
875.896	861.102	0.16965577	0.073671
888.089	873.236	0.14055577	0.074831
899.775	884.862	0.11165577	0.07597
910.98	896.006	0.08295577	0.077109
921.729	906.695	0.05445577	0.078268
932.045	916.95	0.02605577	0.079564
941.951	926.795	-0.00204423	0.080815
951.466	936.25	-0.02994423	0.082138
960.61	945.334	-0.05764423	0.083548
969.401	954.065	-0.08504423	0.084961
977.855	962.46	-0.11224423	0.086489
985.991	970.539	-0.13914423	0.088044
993.827	978.318	-0.16584423	0.08974
1001.38	985.815	-0.19224423	0.091486
1008.67	993.049	-0.21824423	0.093193
1015.71	1000.04	-0.24404423	0.095069
1022.52	1006.8	-0.26954423	0.097024
1029.13	1013.36	-0.29464423	0.098964
1035.54	1019.73	-0.31954423	0.101096
1041.8	1025.94	-0.34404423	0.103227
1047.9	1032	-0.36824423	0.105462
1053.88	1037.94	-0.39204423	0.107706
1059.74	1043.77	-0.41554423	0.110063
1065.51	1049.5	-0.43874423	0.112536
1071.17	1055.13	-0.46154423	0.11503
1076.74	1060.66	-0.48394423	0.117546
1082.2	1066.09	-0.50604423	0.120186
1087.56	1071.42	-0.52774423	0.122852
1092.83	1076.65	-0.54904423	0.125544
1098.01	1081.79	-0.57004423	0.128363
1103.11	1086.85	-0.59054423	0.131108

1108.14	1091.84	-0.61064423	0.133878
1113.12	1096.78	-0.63044423	0.136773
1118.06	1101.69	-0.64974423	0.13959
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1127.87	1111.42	-0.68724423	0.145388
1132.76	1116.27	-0.70534423	0.148264
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1142.48	1125.95	-0.74034423	0.154058
1147.31	1130.75	-0.75714423	0.156872
1152.09	1135.5	-0.77354423	0.159692
1156.78	1140.18	-0.78944423	0.162418
1161.35	1144.73	-0.80494423	0.165144
1165.76	1149.13	-0.81994423	0.167769
1169.95	1153.3	-0.83454423	0.170389
1173.85	1157.2	-0.84864423	0.172901
1177.42	1160.76	-0.86234423	0.175401
1180.58	1163.92	-0.87544423	0.177685
1183.26	1166.6	-0.88814423	0.179951
1185.41	1168.76	-0.90044423	0.182194
1186.96	1170.31	-0.91214423	0.184212
1187.85	1171.21	-0.92344423	0.186199
1188.03	1171.41	-0.93424423	0.188054
1187.45	1170.84	-0.94454423	0.189772
1186.08	1169.49	-0.95444423	0.19145
1183.88	1167.31	-0.96374423	0.192884
1180.85	1164.3	-0.97264423	0.194271
1176.97	1160.45	-0.98114423	0.195607
1172.24	1155.75	-0.98904423	0.19669
1166.69	1150.23	-0.99654423	0.197715
1160.34	1143.92	-1.00364423	0.19868
1153.23	1136.84	-1.01024423	0.19948
1145.4	1129.05	-1.01644423	0.200213
1136.89	1120.59	-1.02224423	0.200875
1127.78	1111.52	-1.02764423	0.201462
1118.12	1101.91	-1.03254423	0.201869
1107.99	1091.83	-1.03714423	0.202294
1097.44	1081.33	-1.04134423	0.20263
1086.56	1070.5	-1.04514423	0.202874
1075.42	1059.42	-1.04864423	0.203119
1064.08	1048.14	-1.05184423	0.20336
1052.62	1036.74	-1.05464423	0.203491
1041.11	1025.28	-1.05714423	0.203606
1029.61	1013.84	-1.05944423	0.203796
1018.17	1002.46	-1.06134423	0.203854
1006.84	991.2	-1.06304423	0.203971
995.682	980.102	-1.06454423	0.204139
984.719	969.203	-1.06574423	0.204248
973.983	958.533	-1.06664423	0.204287
963.496	948.112	-1.06744423	0.204447
953.27	937.952	-1.06804423	0.204614
943.31	928.059	-1.06844423	0.204779
933.612	918.429	-1.06864423	0.204928
924.167	909.051	-1.06874423	0.20515
914.955	899.907	-1.06864423	0.20533
905.954	890.974	-1.06844423	0.205556

897.136	882.223	-1.06804423	0.205714
888.467	873.622	-1.06754423	0.20589
879.912	865.134	-1.06704423	0.206171
871.433	856.722	-1.06634423	0.206343
862.995	848.351	-1.06554423	0.206491
854.562	839.983	-1.06474423	0.206703
846.1	831.586	-1.06384423	0.206865
837.582	823.131	-1.06294423	0.207064
828.985	814.596	-1.06194423	0.207187
820.293	805.964	-1.06094423	0.207324
811.499	797.229	-1.05984423	0.207363
802.605	788.392	-1.05884423	0.207493
793.623	779.464	-1.05774423	0.207506
784.575	770.468	-1.05674423	0.207593
775.494	761.437	-1.05564423	0.207545
766.424	752.413	-1.05464423	0.207557
757.419	743.451	-1.05374423	0.207623
748.54	734.612	-1.05284423	0.207638
739.859	725.968	-1.05204423	0.207698
731.454	717.597	-1.05124423	0.2077
723.407	709.579	-1.05054423	0.207743
715.803	702.003	-1.04994423	0.207824
708.73	694.953	-1.04954423	0.208043
702.273	688.516	-1.04914423	0.2082
696.516	682.776	-1.04894423	0.208494
691.537	677.809	-1.04874423	0.208727
687.404	673.687	-1.04874423	0.209097
684.18	670.47	-1.04894423	0.209607
681.914	668.208	-1.04924423	0.210157
680.644	666.938	-1.04964423	0.210746
680.391	666.684	-1.05024423	0.211477
681.171	667.458	-1.05094423	0.212247
682.97	669.249	-1.05184423	0.213158
685.768	672.038	-1.05284423	0.214108
689.527	675.784	-1.05404423	0.215196
694.19	680.434	-1.05524423	0.216221
699.689	685.917	-1.05664423	0.217381
705.936	692.148	-1.05824423	0.218675
712.831	699.026	-1.05984423	0.219898
720.261	706.438	-1.06164423	0.221249
728.102	714.261	-1.06344423	0.222524
736.222	722.363	-1.06534423	0.223819
744.48	730.603	-1.06734423	0.225132
752.733	738.84	-1.06944423	0.226458
760.836	746.926	-1.07154423	0.227694
768.644	754.719	-1.07374423	0.228936
776.017	762.078	-1.07594423	0.230081
782.822	768.87	-1.07824423	0.231226
788.934	774.972	-1.08044423	0.232167
794.241	780.27	-1.08274423	0.233102
798.647	784.668	-1.08504423	0.23393
802.069	788.084	-1.08724423	0.234549
804.444	790.456	-1.08954423	0.235157
805.731	791.74	-1.09184423	0.235657
805.957	791.966	-1.09404423	0.235947

804.967	790.977	-1.09624423	0.236129
802.938	788.95	-1.09854423	0.236305
799.86	785.876	-1.10074423	0.236279
795.795	781.816	-1.10294423	0.236154
790.828	776.854	-1.10514423	0.235933
785.059	771.092	-1.10744423	0.235724
778.607	764.647	-1.10964423	0.23533
771.604	757.651	-1.11194423	0.234958
764.194	750.249	-1.11424423	0.234514
756.533	742.594	-1.11654423	0.234007
748.78	734.848	-1.11894423	0.233542
741.101	727.174	-1.12144423	0.233128
733.66	719.737	-1.12394423	0.232672
726.621	712.701	-1.12654423	0.232282
720.141	706.222	-1.12914423	0.231865
714.37	700.449	-1.13194423	0.231628
709.446	695.522	-1.13484423	0.231479
705.496	691.566	-1.13774423	0.231325
702.629	688.692	-1.14084423	0.23137
700.939	686.991	-1.14404423	0.231521
700.499	686.537	-1.14734423	0.231783
701.361	687.383	-1.15074423	0.232161
703.557	689.559	-1.15434423	0.232757
707.094	693.075	-1.15794423	0.233376
711.959	697.916	-1.16174423	0.234218
718.115	704.045	-1.16554423	0.235087
725.503	711.403	-1.16954423	0.236182
734.043	719.911	-1.17354423	0.237306
743.636	729.471	-1.17764423	0.238556
754.165	739.964	-1.18184423	0.239933
765.497	751.26	-1.18604423	0.241335
777.487	763.212	-1.19034423	0.242862
789.979	775.664	-1.19464423	0.244411
802.807	788.452	-1.19884423	0.245881
815.802	801.407	-1.20314423	0.24747
828.793	814.358	-1.20734423	0.248975
841.609	827.134	-1.21154423	0.250496
854.084	839.57	-1.21574423	0.25203
866.058	851.505	-1.21984423	0.253476
877.382	862.791	-1.22374423	0.254734
887.916	873.29	-1.22764423	0.256002
897.537	882.877	-1.23144423	0.257182
906.137	891.445	-1.23504423	0.258173
913.628	898.906	-1.23854423	0.259077
919.939	905.189	-1.24194423	0.259895
925.02	910.245	-1.24514423	0.260531
928.843	914.045	-1.24824423	0.261086
931.401	916.583	-1.25114423	0.261466
932.707	917.871	-1.25384423	0.261675
932.901	918.058	-1.25634423	0.261717
931.724	916.861	-1.25874423	0.261698
929.564	914.691	-1.26104423	0.261624
926.405	911.524	-1.26304423	0.261304
922.354	907.469	-1.26494423	0.260944
917.532	902.642	-1.26674423	0.260544

912.067	897.176	-1.26834423	0.260014
906.1	891.209	-1.26974423	0.259374
899.776	884.886	-1.27104423	0.258724
893.243	878.356	-1.27224423	0.258064
886.649	871.766	-1.27334423	0.257404
880.143	865.264	-1.27434423	0.256754
873.867	858.992	-1.27514423	0.256024
867.955	853.084	-1.27594423	0.255414
862.533	847.667	-1.27664423	0.254834
857.715	842.852	-1.27724423	0.254284
853.599	838.741	-1.27774423	0.253774
850.272	835.417	-1.27814423	0.253304
847.8	832.946	-1.27854423	0.252984
846.233	831.381	-1.27884423	0.252704
845.601	830.75	-1.27914423	0.252574
845.918	831.065	-1.27934423	0.252484
847.175	832.321	-1.27944423	0.252454
849.347	834.49	-1.27954423	0.252564
852.389	837.528	-1.27954423	0.252724
856.241	841.375	-1.27954423	0.253024
860.824	845.952	-1.27934423	0.253274
866.047	851.169	-1.27914423	0.253654
871.805	856.92	-1.27884423	0.254064
877.984	863.091	-1.27844423	0.254504
884.459	869.559	-1.27804423	0.255074
891.102	876.195	-1.27744423	0.255554
897.78	882.865	-1.27674423	0.256054
904.357	889.435	-1.27584423	0.256454
910.7	895.772	-1.27494423	0.256964
916.682	901.747	-1.27384423	0.257364
922.178	907.238	-1.27254423	0.257664
927.073	912.13	-1.27114423	0.257944
931.265	916.32	-1.26954423	0.258114
934.661	919.715	-1.26784423	0.258254
937.184	922.238	-1.26594423	0.258274
938.773	923.829	-1.26394423	0.258264
939.381	924.442	-1.26164423	0.258024
938.983	924.049	-1.25924423	0.257754
937.567	922.641	-1.25664423	0.257346
935.144	920.226	-1.25394423	0.256904
931.739	916.832	-1.25104423	0.256327
927.396	912.502	-1.24794423	0.255615
922.177	907.297	-1.24464423	0.254769
916.156	901.293	-1.24124423	0.253889
909.425	894.579	-1.23774423	0.252979
902.085	887.257	-1.23404423	0.251939
894.247	879.439	-1.23024423	0.250871
886.033	871.244	-1.22634423	0.249779
877.566	862.799	-1.22234423	0.248665
868.976	854.231	-1.21824423	0.247532
860.393	845.67	-1.21404423	0.246381
851.942	837.242	-1.20974423	0.245215
843.747	829.07	-1.20534423	0.244036
835.925	821.27	-1.20094423	0.242946
828.581	813.949	-1.19654423	0.241945

821.813	807.203	-1.19204423	0.240935
815.702	801.114	-1.18754423	0.240016
810.318	795.751	-1.18294423	0.239087
805.712	791.166	-1.17844423	0.238347
801.92	787.395	-1.17384423	0.237593
798.961	784.455	-1.16924423	0.236923
796.833	782.346	-1.16474423	0.236433
795.519	781.051	-1.16014423	0.23592
794.983	780.533	-1.15554423	0.235477
795.173	780.74	-1.15104423	0.235199
796.019	781.604	-1.14644423	0.23488
797.439	783.041	-1.14184423	0.234611
799.335	784.954	-1.13734423	0.234485
801.601	787.237	-1.13274423	0.234294
804.12	789.773	-1.12824423	0.234229
806.768	792.439	-1.12364423	0.234079
809.417	795.107	-1.11904423	0.233937
811.937	797.646	-1.11444423	0.233791
814.201	799.93	-1.10984423	0.233633
816.082	801.832	-1.10514423	0.233352
817.46	803.232	-1.10054423	0.233138
818.226	804.02	-1.09584423	0.232782
818.346	804.153	-1.09114423	0.232375
817.528	803.372	-1.08644423	0.231908
815.905	801.776	-1.08164423	0.231273
813.353	799.253	-1.07684423	0.230563
809.834	795.763	-1.07204423	0.22977
805.33	791.289	-1.06724423	0.228889
799.842	785.832	-1.06244423	0.227914
793.391	779.414	-1.05754423	0.226741
786.019	772.074	-1.05274423	0.225566
777.786	763.875	-1.04794423	0.224286
768.773	754.896	-1.04314423	0.222899
759.076	745.233	-1.03844423	0.221505
748.808	734.999	-1.03374423	0.220003
738.097	724.321	-1.02904423	0.218393
727.08	713.337	-1.02454423	0.216877
715.906	702.195	-1.02004423	0.215256
704.73	691.05	-1.01564423	0.213632
693.711	680.06	-1.01134423	0.212007
683.007	669.385	-1.00714423	0.210386
672.777	659.181	-1.00314423	0.20887
663.174	649.602	-0.99934423	0.207464
654.343	640.793	-0.99564423	0.206069
646.419	632.888	-0.99204423	0.204689
639.524	626.009	-0.98874423	0.203528
633.765	620.263	-0.98554423	0.202387
629.23	615.739	-0.98264423	0.201468
625.99	612.507	-0.97984423	0.200575
624.094	610.616	-0.97734423	0.199906
623.572	610.095	-0.97494423	0.199264
624.429	610.951	-0.97284423	0.198849
626.648	613.166	-0.97094423	0.198559
630.192	616.702	-0.96924423	0.198394
635.001	621.5	-0.96774423	0.198352

640.994	627.48	-0.96634423	0.19833
648.071	634.542	-0.96524423	0.198527
656.115	642.57	-0.96434423	0.198837
664.994	651.43	-0.96354423	0.199159
674.562	660.977	-0.96284423	0.199488
684.663	671.055	-0.96244423	0.200019
695.132	681.501	-0.96204423	0.200448
705.799	692.144	-0.96184423	0.200971
716.494	702.815	-0.96174423	0.201483
727.046	713.342	-0.96174423	0.20198
737.288	723.56	-0.96174423	0.202359
747.059	733.307	-0.96194423	0.202814
756.208	742.435	-0.96214423	0.203144
764.598	750.803	-0.96234423	0.203344
772.103	758.288	-0.96264423	0.203514
778.615	764.781	-0.96294423	0.203551
784.044	770.194	-0.96324423	0.203454
788.32	774.455	-0.96364423	0.203324
791.393	777.516	-0.96394423	0.20296
793.236	779.349	-0.96434423	0.202564
793.843	779.947	-0.96474423	0.202038
793.229	779.328	-0.96504423	0.201284
791.433	777.528	-0.96544423	0.200507
788.513	774.607	-0.96584423	0.199609
784.547	770.641	-0.96614423	0.198496
779.63	765.727	-0.96654423	0.197374
773.876	759.977	-0.96694423	0.196147
767.411	753.517	-0.96744423	0.194922
760.373	746.486	-0.96794423	0.193605
752.91	739.03	-0.96844423	0.192202
745.176	731.305	-0.96894423	0.190722
737.328	723.466	-0.96964423	0.189369
729.526	715.673	-0.97034423	0.187951
721.927	708.083	-0.97114423	0.186574
714.681	700.846	-0.97194423	0.185145
707.935	694.108	-0.97294423	0.183869
701.822	688.003	-0.97404423	0.18265
696.464	682.651	-0.97524423	0.181496
691.969	678.162	-0.97654423	0.180408
688.429	674.625	-0.97794423	0.179391
685.917	672.115	-0.97954423	0.178548
684.488	670.686	-0.98124423	0.177781
684.18	670.375	-0.98304423	0.177091
685.009	671.199	-0.98504423	0.176579
686.971	673.155	-0.98714423	0.176145
690.044	676.219	-0.98934423	0.175789
694.187	680.351	-0.99174423	0.175609
699.341	685.491	-0.99424423	0.175504
705.428	691.563	-0.99684423	0.175471
712.358	698.475	-0.99954423	0.175509
720.026	706.124	-1.00234423	0.175614
728.315	714.392	-1.00524423	0.175783
737.102	723.156	-1.00824423	0.176013
746.254	732.285	-1.01134423	0.176301
755.637	741.642	-1.01444423	0.176545

765.114	751.094	-1.01764423	0.176841
774.552	760.504	-1.02084423	0.177087
783.82	769.744	-1.02404423	0.177282
792.794	778.69	-1.02724423	0.177424
801.363	787.229	-1.03054423	0.177612
809.423	795.26	-1.03374423	0.177648
816.886	802.694	-1.03704423	0.177731
823.68	809.458	-1.04024423	0.177665
829.748	815.496	-1.04334423	0.177451
835.051	820.77	-1.04654423	0.177294
839.57	825.259	-1.04954423	0.176897
843.302	828.962	-1.05264423	0.176568
846.264	831.896	-1.05554423	0.176012
848.491	834.094	-1.05854423	0.175537
850.034	835.608	-1.06134423	0.17485
850.958	836.505	-1.06414423	0.174162
851.367	836.873	-1.06684423	0.173381
851.29	836.782	-1.06954423	0.172617
850.891	836.356	-1.07214423	0.171781
850.261	835.699	-1.07464423	0.170883
849.514	834.925	-1.07714423	0.170035
848.768	834.153	-1.07954423	0.169147
848.141	833.499	-1.08184423	0.16823
847.748	833.078	-1.08414423	0.167396
847.673	832.989	-1.08634423	0.166554
848.09	833.365	-1.08844423	0.165714
849.018	834.266	-1.09054423	0.164987
850.561	835.781	-1.09264423	0.16438
852.784	837.976	-1.09454423	0.163702
855.736	840.899	-1.09644423	0.163161
859.449	844.584	-1.09834423	0.162762
863.939	849.044	-1.10004423	0.162312
869.201	854.278	-1.10174423	0.162016
875.214	860.261	-1.10334423	0.161776
881.935	866.954	-1.10484423	0.161596
889.308	874.298	-1.10624423	0.161478
897.256	882.218	-1.10754423	0.161423
905.689	890.623	-1.10874423	0.161431
914.502	899.409	-1.10974423	0.161401
923.578	908.459	-1.11064423	0.161432
932.791	917.647	-1.11144423	0.161521
942.006	926.84	-1.11204423	0.161567
951.087	935.898	-1.11244423	0.161565
959.893	944.684	-1.11264423	0.161514
968.286	953.058	-1.11264423	0.161409
976.13	960.885	-1.11254423	0.161347
983.3	968.04	-1.11214423	0.161124
989.677	974.404	-1.11154423	0.160837
995.157	979.873	-1.11074423	0.160483
999.65	984.356	-1.10964423	0.15996
1003.08	987.781	-1.10834423	0.159366
1005.4	990.095	-1.10684423	0.1587
1006.57	991.263	-1.10504423	0.157862
1006.73	991.413	-1.10294423	0.156851
1005.46	990.141	-1.10064423	0.15577

1003.21	987.896	-1.09814423	0.154621
999.909	984.595	-1.09534423	0.153307
995.631	980.318	-1.09224423	0.151833
990.475	975.165	-1.08904423	0.150405
984.564	969.255	-1.08554423	0.148828
978.035	962.729	-1.08184423	0.14721
971.045	955.739	-1.07784423	0.145461
963.762	948.456	-1.07374423	0.143787
956.366	941.058	-1.06934423	0.142
949.045	933.733	-1.06484423	0.14031
941.993	926.675	-1.06014423	0.138628
935.403	920.077	-1.05524423	0.136964
929.469	914.131	-1.05024423	0.135432
924.375	909.023	-1.04504423	0.133941
920.301	904.93	-1.03974423	0.132604
917.41	902.017	-1.03424423	0.131332
915.852	900.433	-1.02864423	0.130236
915.613	900.181	-1.02284423	0.129227
917.229	901.747	-1.01694423	0.128415
920.357	904.838	-1.01094423	0.127808
925.196	909.636	-1.00474423	0.127316
931.778	916.172	-0.99834423	0.126947
940.102	924.448	-0.99194423	0.126905
950.142	934.436	-0.98524423	0.126899
961.84	946.078	-0.97844423	0.127131
975.11	959.29	-0.97144423	0.127506
989.839	973.958	-0.96414423	0.127926
1005.89	989.944	-0.95674423	0.128592
1023.09	1007.08	-0.94904423	0.129305
1041.27	1025.2	-0.94104423	0.130065
1060.22	1044.08	-0.93284423	0.130971
1079.71	1063.5	-0.92424423	0.131819
1099.52	1083.24	-0.91534423	0.132709
1119.39	1103.05	-0.90614423	0.133637
1139.06	1122.66	-0.89644423	0.134401
1158.29	1141.83	-0.88644423	0.135196
1176.8	1160.3	-0.87604423	0.13592
1194.35	1177.79	-0.86514423	0.13647
1210.68	1194.08	-0.85374423	0.136842
1225.54	1208.91	-0.84184423	0.137035
1238.72	1222.06	-0.82954423	0.137146
1250.01	1233.32	-0.81664423	0.136973
1259.23	1242.52	-0.80324423	0.136616
1266.22	1249.5	-0.78924423	0.135973
1270.85	1254.13	-0.77474423	0.135144
1273.18	1256.46	-0.75974423	0.134132
1272.69	1255.98	-0.74414423	0.132837
1269.83	1253.13	-0.72794423	0.13126
1264.44	1247.77	-0.71124423	0.129507
1256.59	1239.94	-0.69394423	0.127479
1246.36	1229.75	-0.67624423	0.125381
1233.88	1217.31	-0.65784423	0.122918
1219.32	1202.8	-0.63904423	0.120394
1202.87	1186.39	-0.61974423	0.117716
1184.76	1168.33	-0.60004423	0.11499

1165.24	1148.87	-0.57984423	0.112122
1144.58	1128.27	-0.55924423	0.109217
1123.08	1106.83	-0.53824423	0.106283
1101.04	1084.85	-0.51684423	0.103325
1078.78	1062.66	-0.49514423	0.100449
1056.62	1040.56	-0.47314423	0.097661
1034.87	1018.86	-0.45094423	0.095065
1013.83	997.882	-0.42834423	0.092466
993.793	977.907	-0.40564423	0.090167
975.04	959.21	-0.38264423	0.08797
957.818	942.04	-0.35954423	0.086078
942.346	926.619	-0.33624423	0.08439
928.815	913.135	-0.31284423	0.083005
917.378	901.741	-0.28934423	0.081921
908.149	892.551	-0.26564423	0.081034
901.201	885.64	-0.24194423	0.080539
896.568	881.038	-0.21804423	0.080227
894.238	878.736	-0.19414423	0.080293
893.922	878.432	-0.17024423	0.080724
896.235	880.777	-0.14614423	0.081311
900.332	884.892	-0.12204423	0.08224
906.279	890.853	-0.09784423	0.083398
913.869	898.454	-0.07354423	0.08477
922.863	907.458	-0.04914423	0.086339
932.998	917.602	-0.02464423	0.088089
943.987	928.597	-4.423E-05	0.090003
955.527	940.143	0.02475577	0.091961
967.31	951.93	0.04965577	0.094046
979.023	963.646	0.07465577	0.096238
990.361	974.987	0.09985577	0.098419
1001.03	985.657	0.12525577	0.100569
1010.74	995.376	0.15085577	0.10267
1019.24	1003.88	0.17665577	0.104703
1026.29	1010.94	0.20275577	0.106549
1031.68	1016.34	0.22895577	0.108393
1035.23	1019.91	0.25545577	0.110016
1036.78	1021.49	0.28215577	0.111503
1036.23	1020.95	0.30905577	0.11284
1033.48	1018.24	0.33625577	0.113913
1028.51	1013.31	0.36365577	0.114808
1021.29	1006.13	0.39125577	0.115516
1011.86	996.748	0.41905577	0.116024
1000.27	985.213	0.44715577	0.116224
986.584	971.609	0.47535577	0.116307
970.877	955.993	0.50375577	0.11616
953.229	938.437	0.53225577	0.115873
933.74	919.049	0.56085577	0.115434
912.552	897.962	0.58965577	0.114734
889.825	875.343	0.61845577	0.113962
865.754	851.379	0.64735577	0.113009
840.549	826.287	0.67625577	0.111968
814.445	800.296	0.70515577	0.110829
787.687	773.654	0.73395577	0.109687
760.536	746.618	0.76275577	0.108433
733.255	719.453	0.79135577	0.10726

706.111	692.424	0.81995577	0.105962
679.367	665.795	0.84825577	0.104831
653.28	639.821	0.87645577	0.10366
628.093	614.747	0.90435577	0.102644
604.035	590.799	0.93195577	0.101764
581.315	568.186	0.95935577	0.100924
560.117	547.091	0.98645577	0.100204
540.596	527.671	1.01315577	0.099704
522.878	510.051	1.03945577	0.099404
507.055	494.321	1.06545577	0.099194
493.181	480.538	1.09095577	0.099264
481.274	468.718	1.11615577	0.099394
471.316	458.843	1.14085577	0.099774
463.252	450.858	1.16505577	0.100374
456.99	444.672	1.18895577	0.100994
452.408	440.163	1.21225577	0.101904
449.353	437.176	1.23515577	0.102894
447.644	435.533	1.25765577	0.103934
447.078	435.031	1.27955577	0.105204
447.436	435.449	1.30115577	0.106394
448.481	436.552	1.32215577	0.107764
449.97	438.098	1.34275577	0.109104
451.656	439.839	1.36285577	0.110494
453.295	441.53	1.38255577	0.111814
454.647	442.935	1.40175577	0.113134
455.487	443.826	1.42055577	0.114344
455.649	444.013	1.43885577	0.115514
454.816	443.256	1.45675577	0.116534
452.955	441.445	1.47415577	0.117484
449.89	438.431	1.49115577	0.118254
445.522	434.112	1.50775577	0.118824
439.783	428.423	1.52375577	0.119374
432.644	421.333	1.53935577	0.119714
424.112	412.85	1.55455577	0.119824
414.231	403.018	1.56925577	0.119794
403.082	391.918	1.58335577	0.119724
390.782	379.665	1.59705577	0.119404
377.478	366.408	1.61025577	0.118944
363.351	352.326	1.62285577	0.118444
348.606	337.623	1.63485577	0.117884
333.469	322.527	1.64635577	0.117194
318.186	307.283	1.65735577	0.116374
303.015	292.147	1.66765577	0.115614
288.218	277.382	1.67735577	0.114824
274.061	263.254	1.68645577	0.114024
260.805	250.021	1.69485577	0.113314
248.698	237.933	1.70255577	0.112694
237.974	227.224	1.70965577	0.112084
228.847	218.106	1.71605577	0.111584
221.503	210.766	1.72165577	0.111304
216.098	205.361	1.72665577	0.111044
212.756	202.012	1.73085577	0.111004
211.562	200.807	1.73435577	0.111114
212.566	201.793	1.73715577	0.111354
215.774	204.979	1.73925577	0.111734

221.155	210.333	1.74055577	0.112354
228.639	217.784	1.74125577	0.113024
238.118	227.225	1.74115577	0.113944
249.449	238.513	1.74035577	0.115004
262.459	251.475	1.73885577	0.116204
276.948	265.913	1.73675577	0.117444
292.696	281.604	1.73405577	0.118734
309.465	298.312	1.73065577	0.120164
327.006	315.79	1.72665577	0.121634
345.067	333.783	1.72205577	0.123134
363.393	352.039	1.71685577	0.124684
381.737	370.311	1.71115577	0.126164
399.862	388.361	1.70495577	0.127584
417.544	405.967	1.69825577	0.128944
434.578	422.924	1.69105577	0.130254
450.78	439.049	1.68345577	0.131414
465.99	454.181	1.67535577	0.132534
480.073	468.185	1.66685577	0.133524
492.922	480.956	1.65795577	0.134394
504.458	492.415	1.64865577	0.135144
514.633	502.512	1.63895577	0.135804
523.43	511.232	1.62895577	0.136274
530.863	518.59	1.61855577	0.136684
536.981	524.632	1.60785577	0.136954
541.861	529.438	1.59685577	0.137104
545.612	533.113	1.58545577	0.137244
548.368	535.798	1.57385577	0.137204
550.298	537.66	1.56185577	0.137214
551.604	538.901	1.54955577	0.137194
552.511	539.746	1.53695577	0.137164
553.265	540.438	1.52395577	0.137274
554.123	541.236	1.51075577	0.137324
555.346	542.396	1.49725577	0.137454
557.188	544.175	1.48345577	0.137694
559.893	546.814	1.46925577	0.138164
563.688	550.54	1.45485577	0.138694
568.772	555.552	1.44015577	0.139414
575.323	562.026	1.42515577	0.140344
583.483	570.106	1.40995577	0.141404
593.364	579.902	1.39445577	0.142724
605.042	591.492	1.37865577	0.144324
618.558	604.915	1.36265577	0.146134
633.916	620.176	1.34645577	0.148154
651.081	637.242	1.33005577	0.150414
669.988	656.046	1.31345577	0.152934
690.535	676.488	1.29675577	0.155634
712.591	698.437	1.27985577	0.158614
735.997	721.734	1.26295577	0.161704
760.57	746.197	1.24595577	0.165004
786.108	771.624	1.22885577	0.168544
812.391	797.797	1.21175577	0.172224
839.19	824.486	1.19475577	0.175954
866.269	851.456	1.17775577	0.179844
893.393	878.471	1.16085577	0.183824
920.327	905.298	1.14405577	0.187884

946.849	931.713	1.12735577	0.192044
972.748	957.507	1.11095577	0.196104
997.828	982.483	1.09475577	0.200184
1021.91	1006.47	1.07875577	0.204304
1044.85	1029.3	1.06305577	0.208344
1066.51	1050.86	1.04765577	0.212344
1086.78	1071.04	1.03255577	0.216304
1105.58	1089.74	1.01785577	0.220134
1122.84	1106.91	1.00345577	0.223934
1138.53	1122.51	0.98955577	0.227534
1152.64	1136.54	0.97595577	0.231134
1165.2	1149.01	0.96285577	0.234544
1176.23	1159.96	0.95025577	0.237784
1185.79	1169.45	0.93805577	0.240944
1193.99	1177.57	0.92625577	0.244054
1200.9	1184.42	0.91505577	0.246924
1206.65	1190.1	0.90425577	0.249744
1211.35	1194.74	0.89395577	0.252444
1215.15	1198.48	0.88415577	0.255024
1218.17	1201.44	0.87485577	0.257494
1220.54	1203.76	0.86615577	0.259754
1222.41	1205.58	0.85785577	0.262014
1223.88	1207.01	0.85005577	0.264194
1225.1	1208.19	0.84285577	0.266174
1226.16	1209.21	0.83605577	0.268174
1227.16	1210.18	0.82985577	0.269984
1228.19	1211.18	0.82405577	0.271824
1229.31	1212.28	0.81885577	0.273474
1230.56	1213.51	0.81415577	0.275044
1231.98	1214.91	0.80995577	0.276534
1233.57	1216.49	0.80625577	0.277934
1235.32	1218.23	0.80305577	0.279244
1237.2	1220.12	0.80035577	0.280454
1239.17	1222.09	0.79815577	0.281564
1241.16	1224.09	0.79655577	0.282454
1243.09	1226.04	0.79545577	0.283224
1244.86	1227.82	0.79485577	0.283854
1246.35	1229.33	0.79475577	0.284354
1247.42	1230.44	0.79525577	0.284594
1247.93	1231.01	0.79615577	0.284774
1247.73	1230.84	0.79765577	0.284664
1246.66	1229.82	0.79975577	0.284274
1244.56	1227.77	0.80225577	0.283784
1241.26	1224.54	0.80535577	0.282984
1236.62	1219.96	0.80895577	0.281954
1230.48	1213.9	0.81305577	0.280684
1222.72	1206.22	0.81765577	0.279164
1213.21	1196.81	0.82265577	0.277484
1201.87	1185.56	0.82825577	0.275434
1188.62	1172.41	0.83425577	0.273204
1173.41	1157.3	0.84075577	0.270674
1156.22	1140.22	0.84765577	0.267954
1137.06	1121.18	0.85505577	0.264924
1115.98	1100.22	0.86275577	0.261774
1093.06	1077.42	0.87075577	0.258504

1068.4	1052.88	0.87915577	0.255014
1042.15	1026.76	0.88785577	0.251384
1014.47	999.209	0.89685577	0.247604
985.563	970.434	0.90605577	0.243794
955.654	940.656	0.91545577	0.239924
924.984	910.117	0.92495577	0.236114
893.816	879.08	0.93465577	0.232234
862.424	847.818	0.94435577	0.228494
831.094	816.617	0.95415577	0.224794
800.116	785.765	0.96405577	0.221124
769.778	755.551	0.97375577	0.217774
740.363	726.257	0.98355577	0.214444
712.145	698.156	0.99315577	0.211434
685.38	671.504	1.00265577	0.208624
660.307	646.54	1.01195577	0.206114
637.138	623.475	1.02105577	0.203894
616.059	602.494	1.02995577	0.201944
597.221	583.751	1.03855577	0.200364
580.745	567.362	1.04695577	0.199044
566.713	553.412	1.05495577	0.198164
555.167	541.943	1.06275577	0.197504
546.115	532.961	1.07015577	0.197244
539.521	526.432	1.07725577	0.197284
535.313	522.284	1.08395577	0.197684
533.226	520.276	1.09035577	0.198334
533.583	520.656	1.09645577	0.199204
535.74	522.857	1.10215577	0.200374
539.645	526.802	1.10745577	0.201834
545.069	532.26	1.11245577	0.203434
551.758	538.981	1.11715577	0.205154
559.444	546.694	1.12145577	0.207084
567.846	555.122	1.12555577	0.208984
576.679	563.977	1.12925577	0.211024
585.654	572.972	1.13265577	0.213084
594.49	581.827	1.13575577	0.215144
602.913	590.267	1.13865577	0.217064
610.664	598.034	1.14125577	0.218934
617.503	604.889	1.14355577	0.220724
623.214	610.616	1.14565577	0.222304
627.609	615.027	1.14755577	0.223664
630.531	617.965	1.14915577	0.224884
631.89	619.35	1.15055577	0.225844
631.495	618.964	1.15175577	0.226524
629.4	616.888	1.15265577	0.227024
625.56	613.067	1.15335577	0.227214
620.002	607.529	1.15385577	0.227104
612.793	600.34	1.15405577	0.226774
604.036	591.605	1.15405577	0.226134
593.871	581.461	1.15375577	0.225264
582.47	570.081	1.15325577	0.224074
570.034	557.666	1.15235577	0.222764
556.789	544.443	1.15125577	0.221144
542.986	530.659	1.14975577	0.219404
528.89	516.581	1.14795577	0.217454
514.779	502.485	1.14585577	0.215314

500.937	488.657	1.14335577	0.213084
487.651	475.382	1.14045577	0.210784
475.204	462.941	1.13705577	0.208504
463.868	451.61	1.13335577	0.206084
453.905	441.646	1.12925577	0.203604
445.552	433.29	1.12465577	0.201204
439.025	426.755	1.11955577	0.198884
434.508	422.225	1.11405577	0.196544
432.15	419.851	1.10805577	0.194324
431.817	419.509	1.10165577	0.192104
434.32	421.977	1.09475577	0.190024
438.945	426.576	1.08735577	0.188074
445.924	433.524	1.07955577	0.186184
455.195	442.762	1.07125577	0.184444
466.651	454.182	1.06255577	0.182774
480.145	467.637	1.05335577	0.181294
495.488	482.94	1.04385577	0.179794
512.455	499.864	1.03385577	0.178514
530.789	518.154	1.02355577	0.177234
550.204	537.524	1.01295577	0.175984
570.394	557.668	1.00195577	0.174874
591.039	578.267	0.99075577	0.173724
611.809	598.99	0.97915577	0.172734
632.376	619.509	0.96745577	0.171624
652.417	639.502	0.95545577	0.170624
671.626	658.661	0.94325577	0.169634
689.718	676.703	0.93085577	0.168674
706.439	693.373	0.91835577	0.167674
721.571	708.453	0.90575577	0.166654
734.941	721.769	0.89305577	0.165634
746.422	733.194	0.88015577	0.164744
755.94	742.654	0.86725577	0.163794
763.474	750.128	0.85435577	0.162834
769.061	755.651	0.84125577	0.162064
772.79	759.314	0.82815577	0.161334
774.805	761.26	0.81505577	0.160663
775.3	761.683	0.80195577	0.160081
774.513	760.821	0.78865577	0.159816
772.722	758.952	0.77545577	0.159598
770.239	756.387	0.76215577	0.159654
767.399	753.462	0.74875577	0.160012
764.556	750.531	0.73535577	0.160597
762.072	747.957	0.72185577	0.161536
760.314	746.105	0.70835577	0.16275
759.637	745.332	0.69475577	0.164361
760.383	745.98	0.68115577	0.166288
762.87	748.368	0.66745577	0.168649
767.387	752.783	0.65365577	0.171457
774.183	759.477	0.63985577	0.174624
783.465	768.655	0.62595577	0.178259
795.388	780.472	0.61215577	0.182169
810.051	795.03	0.59815577	0.186655
827.493	812.366	0.58425577	0.191419
847.692	832.457	0.57035577	0.196557
870.559	855.216	0.55655577	0.201964

895.942	880.491	0.54275577	0.207731
923.628	908.068	0.52905577	0.213748
953.353	937.678	0.51555577	0.219902
984.812	969.017	0.50215577	0.226276
1017.68	1001.76	0.48905577	0.232652
1051.59	1035.54	0.47615577	0.239112
1086.2	1070.02	0.46345577	0.245633
1121.1	1104.8	0.45125577	0.251894
1155.92	1139.49	0.43925577	0.258173
1190.25	1173.7	0.42775577	0.264148
1223.67	1207.01	0.41675577	0.269798
1255.76	1239	0.40625577	0.275104
1286.11	1269.26	0.39615577	0.280148
1314.29	1297.36	0.38675577	0.284613
1339.9	1322.9	0.37795577	0.288588
1362.54	1345.49	0.36975577	0.29206
1381.84	1364.75	0.36215577	0.295024
1397.49	1380.37	0.35535577	0.297273
1409.19	1392.05	0.34915577	0.299007
1416.7	1399.56	0.34375577	0.300028
1419.87	1402.73	0.33895577	0.300541
1418.59	1401.46	0.33505577	0.300254
1412.82	1395.72	0.33175577	0.29948
1402.61	1385.54	0.32925577	0.298031
1388.07	1371.05	0.32735577	0.296125
1369.42	1352.45	0.32625577	0.293581
1346.93	1330.01	0.32575577	0.290622
1320.93	1304.08	0.32595577	0.287169
1291.85	1275.06	0.32675577	0.283349
1260.17	1243.44	0.32805577	0.279288
1226.4	1209.75	0.32995577	0.274913
1191.11	1174.53	0.33235577	0.270352
1154.91	1138.4	0.33515577	0.265733
1118.41	1101.97	0.33835577	0.261084
1082.24	1065.87	0.34195577	0.256432
1047.03	1030.73	0.34585577	0.251904
1013.38	997.147	0.35005577	0.247524
981.893	965.713	0.35445577	0.243416
953.102	936.974	0.35905577	0.239601
927.515	911.433	0.36385577	0.236099
905.579	889.535	0.36875577	0.233026
887.674	871.661	0.37375577	0.230398
874.114	858.123	0.37885577	0.228225
865.131	849.155	0.38395577	0.226615
860.553	844.582	0.38915577	0.225476
861.429	845.455	0.39445577	0.224808
866.761	850.776	0.39975577	0.224712
876.775	860.77	0.40505577	0.225184
891.284	875.253	0.41045577	0.226118
910.021	893.956	0.41595577	0.227505
932.644	916.538	0.42155577	0.229333
958.738	942.586	0.42735577	0.231489
987.827	971.624	0.43325577	0.234055
1019.38	1003.12	0.43935577	0.236914
1052.81	1036.5	0.44565577	0.240047

1087.52	1071.15	0.45225577	0.243333
1122.86	1106.43	0.45925577	0.24665
1158.2	1141.7	0.46655577	0.250076
1192.89	1176.33	0.47425577	0.253488
1226.32	1209.7	0.48245577	0.256762
1257.9	1241.22	0.49105577	0.259975
1287.07	1270.34	0.50025577	0.262906
1313.33	1296.55	0.50995577	0.265633
1336.22	1319.39	0.52025577	0.268034
1355.34	1338.48	0.53125577	0.269992
1370.37	1353.48	0.54285577	0.271589
1381.05	1364.13	0.55505577	0.27281
1387.18	1370.26	0.56795577	0.27354
1388.67	1371.74	0.58155577	0.27377
1385.46	1368.55	0.59575577	0.273589
1377.6	1360.71	0.61065577	0.272892
1365.2	1348.34	0.62625577	0.271674
1348.45	1331.62	0.64245577	0.270033
1327.58	1310.81	0.65925577	0.267968
1302.92	1286.21	0.67665577	0.265481
1274.83	1258.19	0.69465577	0.262575
1243.75	1227.18	0.71315577	0.259356
1210.13	1193.65	0.73215577	0.25583
1174.47	1158.09	0.75155577	0.252104
1137.32	1121.02	0.77135577	0.248184
1099.2	1083.01	0.79155577	0.244084
1060.68	1044.59	0.81195577	0.240004
1022.31	1006.32	0.83275577	0.235754
984.621	968.741	0.85365577	0.231634
948.142	932.367	0.87475577	0.227574
913.358	897.688	0.89595577	0.223654
880.721	865.153	0.91725577	0.219884
850.635	835.167	0.93855577	0.216374
823.45	808.078	0.95985577	0.213114
799.458	784.179	0.98105577	0.210204
778.887	763.697	1.00225577	0.207534
761.897	746.792	1.02345577	0.205104
748.577	733.552	1.04445577	0.203104
738.946	723.995	1.06525577	0.201514
732.948	718.068	1.08605577	0.200124
730.461	715.646	1.10665577	0.199104
731.291	716.539	1.12705577	0.198444
735.183	720.489	1.14735577	0.198014
741.821	727.182	1.16755577	0.197804
750.837	736.25	1.18755577	0.197864
761.816	747.28	1.20745577	0.198074
774.306	759.818	1.22735577	0.198304
787.822	773.383	1.24705577	0.198714
801.862	787.472	1.26665577	0.199184
815.911	801.571	1.28625577	0.199574
829.454	815.165	1.30585577	0.199844
841.982	827.747	1.32535577	0.200064
853.006	838.829	1.34485577	0.200104
862.066	847.949	1.36445577	0.199824
868.736	854.683	1.38395577	0.199404

872.635	858.652	1.40355577	0.198604
873.441	859.527	1.42315577	0.197494
870.87	857.039	1.44275577	0.196054
864.73	850.984	1.46245577	0.194154
854.882	841.225	1.48215577	0.191874
841.258	827.695	1.50185577	0.189204
823.865	810.403	1.52155577	0.186124
802.786	789.427	1.54125577	0.182624
778.17	764.92	1.56085577	0.178774
750.241	737.103	1.58035577	0.174594
719.284	706.262	1.59975577	0.170064
685.648	672.743	1.61905577	0.165174
649.734	636.949	1.63815577	0.160044
611.99	599.326	1.65695577	0.154754
572.904	560.361	1.67545577	0.149324
532.991	520.568	1.69375577	0.143654
492.788	480.485	1.71155577	0.138054
452.842	440.656	1.72905577	0.132314
413.698	401.627	1.74595577	0.126764
375.892	363.933	1.76245577	0.121194
339.939	328.087	1.77835577	0.115814
306.324	294.574	1.79355577	0.110744
275.491	263.837	1.80825577	0.105764
247.836	236.274	1.82225577	0.101094
223.699	212.222	1.83545577	0.096834
203.358	191.959	1.84805577	0.092774
187.018	175.692	1.85985577	0.089124
174.812	163.553	1.87085577	0.085864
166.795	155.597	1.88105577	0.082994
162.54	151.424	1.89045577	0.080504
163.133	152.043	1.89905577	0.078384
167.187	156.145	1.90695577	0.076504
174.83	163.831	1.91395577	0.075054
185.716	174.758	1.92025577	0.073814
199.436	188.514	1.92575577	0.072864
215.524	204.635	1.93055577	0.072074
233.473	222.611	1.93455577	0.071514
252.746	241.908	1.93785577	0.071074
272.795	261.975	1.94055577	0.070604
293.07	282.264	1.94255577	0.070204
313.035	302.238	1.94395577	0.069724
332.174	321.385	1.94465577	0.069244
350.012	339.227	1.94485577	0.068554
366.11	355.328	1.94455577	0.067624
380.085	369.305	1.94365577	0.066524
391.609	380.831	1.94225577	0.065144
400.418	389.642	1.94035577	0.063474
406.316	395.543	1.93795577	0.061504
409.178	398.407	1.93505577	0.059214
409.45	398.682	1.93165577	0.056604
405.654	394.892	1.92775577	0.053674
399.385	388.629	1.92345577	0.050334
390.307	379.557	1.91865577	0.046674
378.653	367.909	1.91325577	0.042814
364.715	353.976	1.90745577	0.038554

348.839	338.105	1.90105577	0.034114
331.417	320.688	1.89405577	0.029514
312.88	302.153	1.88655577	0.024674
293.684	282.958	1.87845577	0.019704
274.305	263.579	1.86975577	0.014634
255.225	244.496	1.86035577	0.009574
236.924	226.19	1.85035577	0.004464
219.867	209.126	1.83965577	-0.00059
204.496	193.744	1.82825577	-0.00556
191.215	180.45	1.81605577	-0.01032
180.386	169.604	1.80315577	-0.01495
172.314	161.514	1.78955577	-0.01945
167.243	156.422	1.77515577	-0.02368
165.346	154.502	1.76005577	-0.02773
166.719	155.85	1.74415577	-0.0315
171.381	160.486	1.72745577	-0.03497
179.268	168.345	1.71005577	-0.03823
190.244	179.29	1.69185577	-0.04117
204.1	193.112	1.67295577	-0.04389
220.567	209.54	1.65335577	-0.04639
239.331	228.259	1.63305577	-0.04866
260.043	248.919	1.61205577	-0.0507
282.331	271.148	1.59045577	-0.05262
305.817	294.569	1.56825577	-0.0544
330.121	318.802	1.54555577	-0.05616
354.874	343.479	1.52215577	-0.05769
379.722	368.248	1.49835577	-0.05929
404.329	392.775	1.47395577	-0.06077
428.386	416.75	1.44925577	-0.06241
451.609	439.892	1.42405577	-0.06403
473.743	461.947	1.39835577	-0.06562
494.566	482.691	1.37245577	-0.06747
513.886	501.937	1.34615577	-0.06938
531.55	519.528	1.31955577	-0.07144
547.438	535.347	1.29255577	-0.07354
561.468	549.311	1.26545577	-0.07597
573.594	561.374	1.23795577	-0.07843
583.807	571.528	1.21025577	-0.0811
592.133	579.797	1.18235577	-0.08396
598.63	586.24	1.15425577	-0.08699
603.388	590.948	1.12595577	-0.09019
606.526	594.037	1.09745577	-0.09354
608.188	595.652	1.06875577	-0.097
608.539	595.958	1.03985577	-0.10057
607.766	595.141	1.01085577	-0.10432
606.068	593.401	0.98155577	-0.10803
603.66	590.951	0.95205577	-0.11177
600.762	588.012	0.92245577	-0.11563
597.599	584.807	0.89265577	-0.11949
594.394	581.561	0.86255577	-0.12321
591.369	578.494	0.83235577	-0.12698
588.736	575.818	0.80195577	-0.13067
586.696	573.735	0.77135577	-0.13427
585.434	572.431	0.74045577	-0.13765
585.107	572.065	0.70945577	-0.14099

585.845	572.761	0.67825577	-0.14419
587.747	574.623	0.64675577	-0.14714
590.889	577.723	0.61515577	-0.15002
595.315	582.106	0.58335577	-0.15272
601.045	587.791	0.55125577	-0.15514
608.072	594.772	0.51915577	-0.15757
616.363	603.015	0.48675577	-0.1597
625.859	612.461	0.45425577	-0.16172
636.479	623.03	0.42155577	-0.16353
648.122	634.621	0.38875577	-0.16522
660.666	647.112	0.35585577	-0.16679
673.975	660.366	0.32285577	-0.16823
687.896	674.233	0.28965577	-0.16944
702.268	688.549	0.25655577	-0.17071
716.921	703.147	0.22325577	-0.17174
731.681	717.85	0.19005577	-0.17282
746.37	732.484	0.15675577	-0.17376
760.815	746.875	0.12345577	-0.17465
774.846	760.852	0.09025577	-0.17559
788.301	774.255	0.05695577	-0.17636
801.03	786.934	0.02385577	-0.17728
812.895	798.75	-0.00924423	-0.17812
823.775	809.582	-0.04224423	-0.179
833.565	819.328	-0.07514423	-0.1799
842.183	827.902	-0.10794423	-0.18082
849.564	835.243	-0.14064423	-0.18175
855.669	841.31	-0.17324423	-0.18268
860.48	846.085	-0.20564423	-0.18371
864.002	849.573	-0.23794423	-0.18473
866.263	851.803	-0.27004423	-0.18584
867.314	852.905	-0.30204423	-0.18691
867.407	852.711	-0.33394423	-0.18795
866.089	851.551	-0.36564423	-0.18904
864.014	849.454	-0.39724423	-0.19007
861.124	846.545	-0.42864423	-0.19114
857.557	842.96	-0.45984423	-0.19224
853.461	838.847	-0.49104423	-0.19315
848.988	834.36	-0.52204423	-0.19406
844.299	829.657	-0.55294423	-0.19487
839.55	824.896	-0.58364423	-0.19566
834.899	820.233	-0.61434423	-0.19624
830.494	815.818	-0.64484423	-0.19678
826.476	811.79	-0.67534423	-0.19709
822.973	808.277	-0.70564423	-0.19735
820.096	805.391	-0.73594423	-0.19736
817.942	803.228	-0.76614423	-0.19722
816.585	801.862	-0.79614423	-0.19702
816.078	801.348	-0.82614423	-0.19657
816.453	801.715	-0.85604423	-0.19596
817.716	802.97	-0.88594423	-0.19508
819.851	805.097	-0.91564423	-0.19415
822.814	808.054	-0.94534423	-0.19297
826.542	811.777	-0.97484423	-0.19173
830.948	816.178	-1.00434423	-0.19026
835.923	821.149	-1.03364423	-0.18874

841.342	826.566	-1.06294423	-0.187
847.06	832.284	-1.09204423	-0.18524
852.923	838.148	-1.12114423	-0.18327
858.764	843.992	-1.15004423	-0.18129
864.409	849.643	-1.17874423	-0.17934
869.682	854.925	-1.20744423	-0.1772
874.408	859.661	-1.23584423	-0.17521
878.414	863.682	-1.26424423	-0.17306
881.539	866.825	-1.29244423	-0.17097
883.632	868.938	-1.32044423	-0.16897
884.557	869.888	-1.34824423	-0.16704
884.201	869.557	-1.37594423	-0.16512
882.468	867.855	-1.40354423	-0.16321
879.292	864.713	-1.43094423	-0.16142
874.634	860.09	-1.45814423	-0.15977
868.482	853.977	-1.48524423	-0.15815
860.858	846.394	-1.51214423	-0.15668
851.815	837.393	-1.53904423	-0.15516
841.437	827.06	-1.56574423	-0.1538
829.843	815.512	-1.59224423	-0.15261
817.184	802.899	-1.61874423	-0.15137
803.638	789.399	-1.64514423	-0.15021
789.41	775.217	-1.67154423	-0.149
774.73	760.58	-1.69784423	-0.14786
759.844	745.735	-1.72414423	-0.14667
745.014	730.941	-1.75034423	-0.14553
730.509	716.47	-1.77664423	-0.14424
716.605	702.595	-1.80284423	-0.14299
703.576	689.589	-1.82924423	-0.14147
691.69	677.72	-1.85554423	-0.13997
681.202	667.244	-1.88194423	-0.13829
672.357	658.401	-1.90844423	-0.13641
665.373	651.414	-1.93504423	-0.13432
660.449	646.479	-1.96174423	-0.13202
657.753	643.762	-1.98844423	-0.12959
657.284	643.28	-2.01534423	-0.12683
659.549	645.492	-2.04234423	-0.12383
664.201	650.097	-2.06934423	-0.12068
671.394	657.234	-2.09654423	-0.11718
681.108	666.883	-2.12374423	-0.11351
693.278	678.98	-2.15104423	-0.10958
707.801	693.423	-2.17844423	-0.10537
724.535	710.069	-2.20584423	-0.10098
743.3	728.739	-2.23324423	-0.09642
763.882	749.22	-2.26064423	-0.09167
786.036	771.268	-2.28804423	-0.08674
809.489	794.61	-2.31544423	-0.08163
833.947	818.954	-2.34264423	-0.07652
859.096	843.987	-2.36984423	-0.07123
884.613	869.388	-2.39684423	-0.06595
910.177	894.839	-2.42374423	-0.06058
935.472	920.027	-2.45044423	-0.05522
960.201	944.652	-2.47684423	-0.04996
984.086	968.441	-2.50304423	-0.0447
1006.88	991.143	-2.52904423	-0.03945

1028.35	1012.54	-2.55464423	-0.0344
1048.33	1032.44	-2.57994423	-0.02943
1066.66	1050.71	-2.60484423	-0.02465
1083.23	1067.21	-2.62944423	-0.01996
1097.94	1081.88	-2.65354423	-0.01554
1110.75	1094.64	-2.67734423	-0.01119
1121.64	1105.49	-2.70064423	-0.0071
1130.61	1114.42	-2.72354423	-0.00315
1137.69	1121.47	-2.74594423	0.000554
1142.94	1126.69	-2.76784423	0.004024
1146.42	1130.15	-2.78934423	0.007374
1148.24	1131.95	-2.81034423	0.010514
1148.57	1132.26	-2.83084423	0.013464
1147.37	1131.03	-2.85094423	0.016324
1144.95	1128.6	-2.87044423	0.018904
1141.42	1125.06	-2.88954423	0.021424
1136.94	1120.58	-2.90814423	0.023794
1131.7	1115.33	-2.92634423	0.026134
1125.88	1109.51	-2.94404423	0.028334
1119.65	1103.28	-2.96134423	0.030534
1113.21	1096.83	-2.97814423	0.032614
1106.72	1090.34	-2.99454423	0.034714
1100.36	1083.98	-3.01044423	0.036724
1094.29	1077.91	-3.02604423	0.038854
1088.67	1072.29	-3.04124423	0.041034
1083.63	1067.24	-3.05594423	0.043144
1079.3	1062.91	-3.07034423	0.045404
1075.78	1059.38	-3.08424423	0.047624
1073.15	1056.75	-3.09784423	0.050004
1071.49	1055.09	-3.11114423	0.052554
1070.85	1054.44	-3.12394423	0.055064
1071.23	1054.82	-3.13644423	0.057754
1072.66	1056.24	-3.14854423	0.060514
1075.1	1058.67	-3.16024423	0.063334
1078.51	1062.07	-3.17164423	0.066334
1082.83	1066.39	-3.18264423	0.069404
1087.97	1071.52	-3.19324423	0.072534
1093.83	1077.38	-3.20344423	0.075724
1100.29	1083.83	-3.21324423	0.078974
1107.22	1090.75	-3.22264423	0.082264
1114.46	1097.99	-3.23164423	0.085604
1121.85	1105.38	-3.24024423	0.088964
1129.23	1112.76	-3.24844423	0.092344
1136.42	1119.94	-3.25614423	0.095644
1143.23	1126.76	-3.26344423	0.098934
1149.48	1133.03	-3.27034423	0.102224
1155.01	1138.56	-3.27674423	0.105374
1159.62	1143.19	-3.28264423	0.108394
1163.15	1146.75	-3.28804423	0.111264
1165.45	1149.07	-3.29304423	0.114064
1166.36	1150.02	-3.29754423	0.116674
1165.75	1149.45	-3.30154423	0.119104
1163.52	1147.26	-3.30514423	0.121414
1159.55	1143.35	-3.30824423	0.123504
1153.79	1137.64	-3.31084423	0.125354

1146.16	1130.08	-3.31304423	0.127044
1136.65	1120.64	-3.31474423	0.128474
1125.24	1109.31	-3.31594423	0.129614
1111.96	1096.11	-3.31684423	0.130664
1096.85	1081.09	-3.31724423	0.131394
1079.98	1064.3	-3.31734423	0.132014
1061.43	1045.85	-3.31704423	0.132384
1041.33	1025.86	-3.31634423	0.132514
1019.82	1004.45	-3.31534423	0.132494
997.049	981.78	-3.31414423	0.132394
973.196	958.036	-3.31254423	0.132014
948.458	933.407	-3.31074423	0.131544
923.04	908.101	-3.30874423	0.130984
897.164	882.336	-3.30664423	0.130404
871.059	856.341	-3.30434423	0.129714
844.958	830.35	-3.30184423	0.128904
819.099	804.6	-3.29934423	0.128164
793.718	779.325	-3.29684423	0.127484
769.05	754.759	-3.29424423	0.126764
745.319	731.128	-3.29164423	0.126094
722.743	708.646	-3.28914423	0.125564
701.524	687.517	-3.28664423	0.125084
681.851	667.929	-3.28424423	0.124734
663.893	650.049	-3.28204423	0.124614
647.797	634.025	-3.27994423	0.124624
633.689	619.983	-3.27794423	0.124754
621.669	608.021	-3.27614423	0.125094
611.81	598.215	-3.27454423	0.125654
604.159	590.609	-3.27314423	0.126414
598.733	585.22	-3.27194423	0.127374
595.519	582.037	-3.27104423	0.128624
594.476	581.018	-3.27024423	0.129974
595.535	582.095	-3.26974423	0.131594
598.598	585.168	-3.26944423	0.133394
603.539	590.115	-3.26934423	0.135364
610.208	596.784	-3.26944423	0.137494
618.433	605.004	-3.26974423	0.139774
628.019	614.581	-3.27024423	0.142204
638.755	625.303	-3.27094423	0.144764
650.413	636.945	-3.27174423	0.147364
662.756	649.269	-3.27274423	0.150074
675.536	662.029	-3.27394423	0.152894
688.505	674.976	-3.27524423	0.155724
701.411	687.86	-3.27654423	0.158444
714.007	700.434	-3.27804423	0.161244
726.055	712.46	-3.27964423	0.164024
737.325	723.712	-3.28124423	0.166674
747.607	733.975	-3.28284423	0.169184
756.704	743.058	-3.28454423	0.171644
764.447	750.788	-3.28624423	0.173944
770.686	757.02	-3.28804423	0.176184
775.303	761.632	-3.28974423	0.178154
778.206	764.535	-3.29154423	0.180064
779.333	765.666	-3.29324423	0.181684
778.654	764.995	-3.29504423	0.183224

776.168	762.522	-3.29674423	0.184484
771.906	758.277	-3.29854423	0.185664
765.93	752.322	-3.30024423	0.186554
758.327	744.745	-3.30204423	0.187354
749.215	735.661	-3.30384423	0.187964
738.735	725.213	-3.30564423	0.188394
727.05	713.562	-3.30754423	0.188734
714.345	700.893	-3.30944423	0.188894
700.82	687.406	-3.31144423	0.188974
686.689	673.314	-3.31354423	0.188984
672.176	658.841	-3.31574423	0.188924
657.514	644.217	-3.31804423	0.188794
642.934	629.675	-3.32054423	0.188704
628.671	615.449	-3.32314423	0.188554
614.954	601.766	-3.32594423	0.188464
602.004	588.847	-3.32894423	0.188414
590.029	576.902	-3.33224423	0.188534
579.227	566.125	-3.33564423	0.188624
569.774	556.693	-3.33934423	0.188874
561.829	548.764	-3.34324423	0.189204
555.527	542.474	-3.34744423	0.189714
550.98	537.934	-3.35184423	0.190304
548.274	535.229	-3.35654423	0.191084
547.469	534.419	-3.36154423	0.192054
548.598	535.536	-3.36684423	0.193214
551.665	538.586	-3.37234423	0.194484
556.651	543.549	-3.37814423	0.195944
563.509	550.377	-3.38424423	0.197604
572.168	559.001	-3.39054423	0.199374
582.537	569.328	-3.39704423	0.201254
594.502	581.246	-3.40384423	0.203344
607.934	594.624	-3.41084423	0.205544
622.688	609.318	-3.41804423	0.207864
638.606	625.171	-3.42544423	0.210294
655.524	642.02	-3.43304423	0.212854
673.271	659.694	-3.44064423	0.215344
691.676	678.02	-3.44854423	0.218054
710.566	696.828	-3.45644423	0.220714
729.774	715.951	-3.46434423	0.223314
749.139	735.229	-3.47244423	0.226064
768.511	754.51	-3.48044423	0.228674
787.749	773.656	-3.48854423	0.231364
806.726	792.54	-3.49654423	0.233924
825.331	811.049	-3.50454423	0.236484
843.466	829.089	-3.51244423	0.238934
861.054	846.581	-3.52034423	0.241414
878.029	863.46	-3.52804423	0.243724
894.345	879.681	-3.53564423	0.245974
909.973	895.214	-3.54314423	0.248194
924.898	910.044	-3.55044423	0.250294
939.117	924.171	-3.55754423	0.252284
952.646	937.608	-3.56444423	0.254184
965.507	950.38	-3.57114423	0.256014
977.736	962.52	-3.57754423	0.257704
989.374	974.073	-3.58384423	0.259444

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1011.08	995.614	-3.59544423	0.262514
1021.26	1005.71	-3.60084423	0.263964
1031.06	1015.44	-3.60594423	0.265354
1040.54	1024.85	-3.61064423	0.266594
1049.75	1033.99	-3.61514423	0.267894
1058.75	1042.91	-3.61924423	0.269084
1067.56	1051.66	-3.62304423	0.270264
1076.22	1060.26	-3.62654423	0.271454
1084.77	1068.74	-3.62964423	0.272574
1093.21	1077.13	-3.63234423	0.273614
1101.56	1085.42	-3.63464423	0.274604
1109.82	1093.63	-3.63664423	0.275644
1117.97	1101.73	-3.63814423	0.276554
1126	1109.72	-3.63924423	0.277424
1133.89	1117.56	-3.64004423	0.278374
1141.61	1125.23	-3.64024423	0.279104
1149.11	1132.7	-3.64014423	0.279924
1156.38	1139.93	-3.63954423	0.280634
1163.36	1146.87	-3.63854423	0.281344
1170.01	1153.49	-3.63704423	0.281944
1176.3	1159.75	-3.63504423	0.282464
1182.2	1165.61	-3.63264423	0.282984
1187.67	1171.05	-3.62974423	0.283414
1192.69	1176.04	-3.62634423	0.283754
1197.25	1180.57	-3.62244423	0.284024
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1204.97	1188.24	-3.61314423	0.284324
1208.15	1191.39	-3.60774423	0.284374
1210.92	1194.13	-3.60184423	0.284364
1213.32	1196.49	-3.59544423	0.284304
1215.39	1198.53	-3.58854423	0.284194
1217.21	1200.32	-3.58104423	0.283954
1218.86	1201.93	-3.57314423	0.283774
1220.42	1203.45	-3.56464423	0.283484
1221.98	1204.98	-3.55564423	0.283194
1223.67	1206.62	-3.54614423	0.282904
1225.59	1208.5	-3.53614423	0.282634
1227.86	1210.72	-3.52554423	0.282294
1230.59	1213.4	-3.51444423	0.282004
1233.92	1216.67	-3.50284423	0.281774
1237.95	1220.64	-3.49074423	0.281614
1242.79	1225.43	-3.47804423	0.281454
1248.56	1231.13	-3.46484423	0.281394
1255.34	1237.84	-3.45104423	0.281364
1263.23	1245.65	-3.43674423	0.281474
1272.27	1254.63	-3.42184423	0.281624
1282.54	1264.81	-3.40644423	0.281954
1294.05	1276.25	-3.39034423	0.282264
1306.83	1288.94	-3.37374423	0.282764
1320.87	1302.9	-3.35654423	0.283374
1336.14	1318.08	-3.33864423	0.284004
1352.6	1334.44	-3.32014423	0.284774
1370.17	1351.92	-3.30094423	0.285574
1388.76	1370.43	-3.28104423	0.286434

1408.28	1389.85	-3.26054423	0.287454
1428.58	1410.06	-3.23924423	0.288454
1449.53	1430.91	-3.21724423	0.289524
1470.95	1452.24	-3.19444423	0.290574
1492.66	1473.87	-3.17084423	0.291614
1514.49	1495.6	-3.14634423	0.292554
1536.21	1517.24	-3.12114423	0.293604
1557.63	1538.57	-3.09504423	0.294544
1578.52	1559.39	-3.06794423	0.295304
1598.67	1579.46	-3.04004423	0.296064
1617.86	1598.59	-3.01114423	0.296644
1635.89	1616.55	-2.98134423	0.297144
1652.54	1633.15	-2.95054423	0.297464
1667.64	1648.2	-2.91874423	0.297594
1681	1661.51	-2.88594423	0.297554
1692.47	1672.95	-2.85214423	0.297324
1701.91	1682.36	-2.81734423	0.296924
1709.21	1689.64	-2.78144423	0.296254
1714.29	1694.69	-2.74454423	0.295394
1717.07	1697.47	-2.70664423	0.294364
1717.59	1697.99	-2.66764423	0.293054
1715.65	1696.06	-2.62764423	0.291564
1711.46	1691.89	-2.58664423	0.289894
1705	1685.46	-2.54454423	0.287954
1696.34	1676.83	-2.50154423	0.285914
1685.58	1666.11	-2.45744423	0.283594
1672.84	1653.41	-2.41244423	0.281194
1658.26	1638.88	-2.36654423	0.278684
1642	1622.69	-2.31964423	0.275994
1624.24	1605	-2.27194423	0.273284
1605.18	1586.01	-2.22324423	0.270384
1585.03	1565.93	-2.17374423	0.267454
1563.99	1544.97	-2.12354423	0.264614
1542.3	1523.36	-2.07244423	0.261644
1520.16	1501.31	-2.02064423	0.258734
1497.81	1479.05	-1.96804423	0.255784
1475.45	1456.79	-1.91484423	0.252974
1453.3	1434.73	-1.86094423	0.250194
1431.56	1413.08	-1.80644423	0.247534
1410.4	1392.02	-1.75144423	0.245084
1390	1371.71	-1.69574423	0.242634
1370.5	1352.3	-1.63954423	0.240354
1352.03	1333.93	-1.58294423	0.238344
1334.7	1316.69	-1.52574423	0.236384
1318.59	1300.67	-1.46814423	0.234644
1303.75	1285.92	-1.41004423	0.233014
1290.22	1272.47	-1.35164423	0.231674
1278	1260.34	-1.29274423	0.230414
1267.08	1249.5	-1.23354423	0.229394
1257.41	1239.91	-1.17394423	0.228496
1248.94	1231.52	-1.11404423	0.227805
1241.56	1224.22	-1.05384423	0.227293
1235.19	1217.92	-0.99324423	0.226837
1229.7	1212.5	-0.93244423	0.226612
1224.95	1207.82	-0.87124423	0.226393

1220.81	1203.75	-0.80984423	0.226355
1217.13	1200.13	-0.74804423	0.226274
1213.76	1196.83	-0.68604423	0.226323
1210.55	1193.68	-0.62384423	0.226478
1207.36	1190.55	-0.56124423	0.226513
1204.04	1187.3	-0.49854423	0.226705
1200.46	1183.78	-0.43544423	0.226729
1196.49	1179.87	-0.37214423	0.226761
1192.02	1175.46	-0.30864423	0.226778
1186.94	1170.44	-0.24494423	0.226758
1181.16	1164.73	-0.18094423	0.22658
1174.6	1158.23	-0.11684423	0.226423
1167.2	1150.89	-0.05244423	0.226068
1158.9	1142.66	0.01205577	0.225695
1149.68	1133.51	0.07685577	0.225088
1139.52	1123.42	0.14175577	0.22443
1128.42	1112.39	0.20675577	0.223705
1116.39	1100.44	0.27195577	0.222798
1103.46	1087.59	0.33725577	0.221797
1089.69	1073.9	0.40265577	0.220688
1075.1	1059.4	0.46815577	0.219457
1059.72	1044.12	0.53365577	0.218189
1043.57	1028.08	0.59925577	0.216768
1026.68	1011.31	0.66495577	0.215178
1009.08	993.815	0.73055577	0.2136
990.788	975.642	0.79615577	0.211914
971.844	956.819	0.86175577	0.210114
952.281	937.38	0.92725577	0.208264
932.137	917.364	0.99265577	0.206364
911.45	896.809	1.05795577	0.204374
890.262	875.755	1.12315577	0.202284
868.616	854.246	1.18825577	0.200084
846.554	832.324	1.25305577	0.197934
824.121	810.033	1.31775577	0.195614
801.361	787.417	1.38215577	0.193324
778.318	764.521	1.44625577	0.191014
755.037	741.388	1.51015577	0.188574
731.562	718.063	1.57365577	0.186184
707.935	694.587	1.63685577	0.183724
684.2	671.004	1.69975577	0.181154
660.398	647.354	1.76215577	0.178664
636.569	623.679	1.82425577	0.176024
612.756	600.018	1.88585577	0.173424
588.996	576.411	1.94695577	0.170824
565.33	552.897	2.00765577	0.168104
541.796	529.514	2.06775577	0.165454
518.433	506.3	2.12735577	0.162734
495.28	483.296	2.18635577	0.160034
472.379	460.54	2.24475577	0.157334
449.769	438.073	2.30255577	0.154604
427.493	415.937	2.35975577	0.151824
405.594	394.175	2.41625577	0.149074
384.119	372.833	2.47205577	0.146344
363.114	351.958	2.52715577	0.143614
342.63	331.599	2.58155577	0.140854

322.717	311.807	2.63525577	0.138064
303.43	292.635	2.68815577	0.135324
284.824	274.139	2.74025577	0.132604
266.955	256.374	2.79155577	0.129914
249.882	239.4	2.84205577	0.127224
233.662	223.273	2.89165577	0.124634
218.354	208.051	2.94055577	0.121934
204.013	193.791	2.98845577	0.119394
190.691	180.545	3.03555577	0.116834
178.439	168.361	3.08175577	0.114324
167.299	157.284	3.12695577	0.111964
157.31	147.351	3.17135577	0.109554
148.506	138.596	3.21485577	0.107184
140.913	131.046	3.25745577	0.104864
134.552	124.721	3.29905577	0.102674
129.435	119.634	3.33975577	0.100524
125.567	115.789	3.37955577	0.098404
122.944	113.184	3.41835577	0.096434
121.555	111.805	3.45625577	0.094504
121.316	111.57	3.49325577	0.092614
122.382	112.636	3.52935577	0.090774
124.529	114.776	3.56445577	0.089094
127.772	118.007	3.59865577	0.087474
132.057	122.274	3.63205577	0.085834
137.319	127.514	3.66445577	0.084364
143.492	133.659	3.69605577	0.082874
150.501	140.636	3.72665577	0.081594
158.268	148.367	3.75645577	0.080314
166.714	156.771	3.78545577	0.079054
175.754	165.767	3.81355577	0.077924
185.308	175.272	3.84075577	0.076944
195.293	185.204	3.86725577	0.075914
205.63	195.486	3.89295577	0.074964
216.244	206.041	3.91775577	0.074194
227.064	216.799	3.94185577	0.073424
238.025	227.696	3.96525577	0.072684
249.068	238.672	3.98785577	0.072064
260.143	249.678	4.00975577	0.071504
271.206	260.67	4.03085577	0.071104
282.223	271.614	4.05135577	0.070694
293.168	282.484	4.07115577	0.070394
304.022	293.262	4.09025577	0.070214
314.778	303.94	4.10865577	0.070164
325.434	314.517	4.12645577	0.070184
335.996	325	4.14365577	0.070274
346.48	335.402	4.16025577	0.070454
356.903	345.743	4.17615577	0.070854
367.289	356.047	4.19155577	0.071274
377.664	366.339	4.20635577	0.071854
388.056	376.647	4.22055577	0.072584
398.492	386.998	4.23425577	0.073404
408.997	397.419	4.24745577	0.074324
419.596	407.933	4.26005577	0.075464
430.311	418.562	4.27215577	0.076724
441.158	429.324	4.28375577	0.078124

452.154	440.234	4.29485577	0.079694
463.309	451.302	4.30555577	0.081324
474.628	462.535	4.31575577	0.083144
486.114	473.934	4.32545577	0.085164
497.761	485.495	4.33485577	0.087194
509.56	497.206	4.34375577	0.089444
521.492	509.051	4.35225577	0.091834
533.537	521.009	4.36035577	0.094354
545.664	533.049	4.36805577	0.097034
557.841	545.138	4.37545577	0.099774
570.026	557.235	4.38245577	0.102694
582.176	569.295	4.38915577	0.105684
594.239	581.27	4.39545577	0.108864
606.17	593.116	4.40155577	0.112034
617.93	604.794	4.40735577	0.115314
629.49	616.276	4.41275577	0.118794
640.835	627.546	4.41805577	0.122194
651.962	638.604	4.42295577	0.125814
662.886	649.462	4.42775577	0.129364
673.634	660.148	4.43225577	0.133054
684.245	670.7	4.43655577	0.136784
694.763	681.161	4.44065577	0.140554
705.235	691.577	4.44455577	0.144374
715.707	701.994	4.44825577	0.148254
726.22	712.451	4.45185577	0.152094
736.809	722.984	4.45535577	0.155894
747.502	733.62	4.45865577	0.159774
758.316	744.379	4.46185577	0.163614
769.263	755.268	4.46495577	0.167434
780.339	766.289	4.46795577	0.171224
791.536	777.429	4.47085577	0.175004
802.833	788.67	4.47375577	0.178654
814.201	799.982	4.47655577	0.182294
825.6	811.327	4.47935577	0.185824
836.987	822.66	4.48215577	0.189234
848.307	833.929	4.48495577	0.192534
859.504	845.076	4.48765577	0.195824
870.514	856.037	4.49045577	0.198904
881.272	866.749	4.49335577	0.201774
891.711	877.143	4.49625577	0.204544
901.762	887.153	4.49915577	0.207194
911.36	896.712	4.50225577	0.209544
920.439	905.754	4.50535577	0.211794
928.94	914.22	4.50855577	0.213834
936.804	922.053	4.51185577	0.215674
943.981	929.202	4.51525577	0.217314
950.425	935.62	4.51885577	0.218664
956.097	941.269	4.52255577	0.219804
960.963	946.117	4.52635577	0.220764
965	950.137	4.53035577	0.221434
968.191	953.315	4.53445577	0.221904
970.528	955.641	4.53875577	0.222104
972.014	957.119	4.54315577	0.222124
972.677	957.774	4.54775577	0.221864
972.494	957.589	4.55245577	0.221444

971.547	956.64	4.55745577	0.220644
969.867	954.96	4.56245577	0.219794
967.511	952.604	4.56765577	0.218684
964.546	949.641	4.57305577	0.217334
961.05	946.146	4.57855577	0.215834
957.107	942.206	4.58425577	0.214094
952.811	937.914	4.59005577	0.212224
948.262	933.367	4.59605577	0.210124
943.564	928.672	4.60205577	0.208014
938.823	923.933	4.60825577	0.205674
934.148	919.259	4.61455577	0.203234
929.645	914.757	4.62095577	0.200694
925.419	910.531	4.62755577	0.197954
921.571	906.682	4.63415577	0.195224
918.195	903.303	4.64085577	0.192404
915.377	900.481	4.64765577	0.189504
913.194	898.292	4.65455577	0.186524
911.712	896.803	4.66145577	0.183574
910.919	896.068	4.66855577	0.180464
911.056	895.997	4.67565577	0.177384
911.952	897.013	4.68285577	0.174244
913.689	898.736	4.69015577	0.171054
916.266	901.298	4.69755577	0.167814
919.67	904.685	4.70495577	0.164624
923.875	908.872	4.71255577	0.161294
928.842	913.819	4.72015577	0.158024
934.518	919.474	4.72785577	0.154724
940.842	925.774	4.73575577	0.151284
947.741	932.649	4.74365577	0.147914
955.134	940.018	4.75175577	0.144424
962.936	947.793	4.75995577	0.140914
971.054	955.884	4.76835577	0.137284
979.394	964.196	4.77685577	0.133644
987.859	972.632	4.78545577	0.130004
996.354	981.098	4.79425577	0.126244
1004.78	989.5	4.80325577	0.122394
1013.06	997.748	4.81245577	0.118454
1021.11	1005.76	4.82185577	0.114424
1028.84	1013.46	4.83145577	0.110304
1036.19	1020.78	4.84125577	0.106114
1043.11	1027.67	4.85125577	0.101854
1049.54	1034.07	4.86155577	0.097424
1055.45	1039.95	4.87205577	0.092934
1060.82	1045.29	4.88285577	0.088294
1065.63	1050.07	4.89385577	0.083604
1069.88	1054.29	4.90505577	0.078874
1073.58	1057.96	4.91655577	0.074004
1076.76	1061.11	4.92835577	0.068994
1079.43	1063.76	4.94045577	0.063864
1081.64	1065.94	4.95275577	0.058714
1083.44	1067.71	4.96535577	0.053434
1084.86	1069.11	4.97825577	0.048034
1085.96	1070.19	4.99145577	0.042524
1086.8	1071	5.00485577	0.036994
1087.41	1071.59	5.01855577	0.031344

1087.84	1072.01	5.03255577	0.025574
1088.14	1072.3	5.04675577	0.019774
1088.34	1072.49	5.06135577	0.013754
1088.46	1072.6	5.07615577	0.007684
1088.51	1072.64	5.09125577	0.001484
1088.49	1072.62	5.10655577	-0.00478
1088.38	1072.52	5.12215577	-0.0112
1088.17	1072.31	5.13805577	-0.0178
1087.8	1071.96	5.15425577	-0.02459
1087.22	1071.4	5.17065577	-0.03147
1086.36	1070.56	5.18735577	-0.03858
1085.14	1069.38	5.20435577	-0.04593
1083.48	1067.74	5.22165577	-0.05352
1081.26	1065.57	5.23905577	-0.06119
1078.38	1062.74	5.25685577	-0.06924
1074.74	1059.15	5.27485577	-0.0775
1070.22	1054.69	5.29305577	-0.08599
1064.72	1049.24	5.31155577	-0.09482
1058.12	1042.72	5.33025577	-0.10391
1050.34	1035.01	5.34925577	-0.11339
1041.28	1026.03	5.36835577	-0.12306
1030.88	1015.71	5.38775577	-0.13315
1019.08	1003.99	5.40725577	-0.14347
1005.83	990.839	5.42705577	-0.15424
991.116	976.224	5.44685577	-0.16517
974.938	960.148	5.46685577	-0.17647
957.315	942.63	5.48695577	-0.18806
938.287	923.71	5.50725577	-0.20005
917.913	903.449	5.52755577	-0.21225
896.274	881.926	5.54785577	-0.22466
873.468	859.24	5.56815577	-0.23729
849.61	835.503	5.58855577	-0.25025
824.83	810.847	5.60885577	-0.26335
799.273	785.416	5.62905577	-0.27659
773.1	759.369	5.64925577	-0.29008
746.48	732.875	5.66925577	-0.30362
719.592	706.114	5.68915577	-0.31731
692.623	679.271	5.70875577	-0.33097
665.76	652.533	5.72815577	-0.34469
639.191	626.089	5.74735577	-0.35848
613.099	600.121	5.76625577	-0.37225
587.661	574.806	5.78485577	-0.386
563.042	550.307	5.80305577	-0.39964
539.39	526.775	5.82085577	-0.41318
516.84	504.342	5.83835577	-0.42672
495.502	483.12	5.85535577	-0.44008
475.468	463.2	5.87195577	-0.45336
456.807	444.649	5.88795577	-0.46637
439.56	427.511	5.90355577	-0.47933
423.748	411.805	5.91865577	-0.49215
409.366	397.526	5.93315577	-0.50474
396.387	384.647	5.94715577	-0.51721
384.763	373.119	5.96055577	-0.52948
374.426	362.875	5.97345577	-0.54167
365.292	353.829	5.98565577	-0.55359

357.26	345.883	5.99735577	-0.56545
350.222	338.926	6.00835577	-0.57708
344.059	332.839	6.01885577	-0.58869
338.645	327.499	6.02865577	-0.6001
333.857	322.78	6.03785577	-0.61143
329.57	318.557	6.04645577	-0.62269
325.664	314.712	6.05435577	-0.6338
322.027	311.13	6.06175577	-0.64498
318.554	307.71	6.06835577	-0.65595
315.156	304.36	6.07445577	-0.66701
311.755	301.003	6.07985577	-0.67799
308.289	297.577	6.08455577	-0.68891
304.712	294.037	6.08865577	-0.69987
300.994	290.352	6.09215577	-0.71088
297.124	286.512	6.09495577	-0.72187
293.106	282.52	6.09705577	-0.73284
288.959	278.397	6.09855577	-0.74391
284.72	274.178	6.09935577	-0.75498
280.435	269.911	6.09955577	-0.76615
276.165	265.655	6.09905577	-0.77735
271.978	261.48	6.09785577	-0.78858
267.951	257.463	6.09595577	-0.79984
264.164	253.682	6.09335577	-0.81113
260.699	250.222	6.09015577	-0.82257
257.639	247.165	6.08615577	-0.83395
255.063	244.589	6.08155577	-0.84548
253.045	242.568	6.07615577	-0.85697
251.649	241.169	6.07015577	-0.8686
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251.697	241.193	6.04775577	-0.90365
253.227	242.712	6.03895577	-0.91551
255.53	245.001	6.02935577	-0.92733
258.594	248.049	6.01915577	-0.9393
262.392	251.831	6.00815577	-0.95122
266.886	256.306	5.99655577	-0.9633
272.024	261.423	5.98425577	-0.97542
277.746	267.122	5.97125577	-0.98759
283.981	273.333	5.95765577	-0.9999
290.655	279.98	5.94335577	-1.01224
297.687	286.985	5.92845577	-1.02472
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312.506	301.743	5.89665577	-1.04985
320.131	309.337	5.87985577	-1.06258
327.801	316.973	5.86245577	-1.07542
335.444	324.583	5.84445577	-1.08834
342.999	332.103	5.82585577	-1.10136
350.411	339.478	5.80675577	-1.11454
357.632	346.663	5.78695577	-1.12768
364.624	353.618	5.76665577	-1.14096
371.359	360.316	5.74585577	-1.15438
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383.983	372.865	5.70265577	-1.18144
389.856	378.701	5.68025577	-1.19506
395.441	384.249	5.65735577	-1.20874

400.747	389.518	5.63395577	-1.22247
405.791	394.525	5.61005577	-1.23623
410.595	399.292	5.58565577	-1.24999
415.184	403.845	5.56075577	-1.26375
419.587	408.212	5.53545577	-1.27758
423.832	412.422	5.50965577	-1.29135
427.951	416.506	5.48335577	-1.30505
431.973	420.494	5.45665577	-1.31876
435.926	424.414	5.42955577	-1.33246
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443.725	432.149	5.37395577	-1.35951
447.611	436.005	5.34555577	-1.37293
451.505	439.87	5.31665577	-1.38615
455.418	443.753	5.28745577	-1.39935
459.359	447.663	5.25775577	-1.41231
463.345	451.614	5.22775577	-1.4252
467.395	455.626	5.19725577	-1.43781
471.537	459.729	5.16645577	-1.45032
475.808	463.956	5.13525577	-1.46261
480.248	468.35	5.10365577	-1.47465
484.906	472.959	5.07175577	-1.48654
489.835	477.835	5.03945577	-1.49815
495.091	483.036	5.00675577	-1.50947
500.734	488.619	4.97375577	-1.52058
506.82	494.644	4.94045577	-1.53146
513.408	501.167	4.90685577	-1.54211
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545.685	533.168	4.76915577	-1.58177
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600.859	587.972	4.59125577	-1.62559
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627.115	614.078	4.51855577	-1.64138
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684.074	670.743	4.37145577	-1.67066
698.715	685.312	4.33435577	-1.67751
713.315	699.841	4.29725577	-1.68429
727.767	714.225	4.26005577	-1.69091
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755.814	742.139	4.18565577	-1.70393
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782.05	768.248	4.11115577	-1.71656
794.257	780.396	4.07395577	-1.72281
805.747	791.828	4.03675577	-1.72898
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861.359	847.115	3.77895577	-1.77241
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872.215	857.831	3.59835577	-1.80407
871.781	857.379	3.56265577	-1.8105
870.611	856.194	3.52705577	-1.8169
868.775	854.346	3.49155577	-1.82328
866.351	851.913	3.45635577	-1.82983
863.42	848.974	3.42115577	-1.83625
860.064	845.614	3.38605577	-1.84263
856.369	841.916	3.35115577	-1.84908
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812.221	797.854	2.94045577	-1.92277
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806.586	792.258	2.83965577	-1.93955
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803.228	788.945	2.73945577	-1.95559
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801.713	787.462	2.67295577	-1.96589
801.012	786.778	2.63985577	-1.97099
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798.41	784.236	2.54075577	-1.98577
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793.808	779.704	2.44225577	-2.00018
791.575	777.498	2.40955577	-2.00492
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785.8	771.78	2.34425577	-2.01425
782.195	768.206	2.31175577	-2.01894
778.084	764.127	2.27915577	-2.02345
773.458	759.535	2.24675577	-2.02809
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762.676	748.823	2.18185577	-2.03706
756.552	742.736	2.14945577	-2.04149
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742.985	729.246	2.08475577	-2.05028
735.628	721.927	2.05245577	-2.05463
727.956	714.295	2.02015577	-2.05892
720.028	706.408	1.98775577	-2.06306

711.906	698.327	1.95545577	-2.06725
703.656	690.117	1.92305577	-2.07129
695.344	681.845	1.89055577	-2.07517
687.035	673.578	1.85815577	-2.07911
678.795	665.378	1.82565577	-2.08291
670.684	657.308	1.79305577	-2.08656
662.76	649.424	1.76035577	-2.09007
655.073	641.777	1.72765577	-2.09355
647.668	634.411	1.69485577	-2.09689
640.582	627.363	1.66195577	-2.10011
633.842	620.661	1.62895577	-2.1032
627.467	614.325	1.59585577	-2.10617
621.467	608.362	1.56265577	-2.10903
615.842	602.774	1.52935577	-2.11178
610.582	597.551	1.49585577	-2.11432
605.668	592.673	1.46235577	-2.11687
601.073	588.114	1.42865577	-2.11924
596.76	583.838	1.39475577	-2.12142
592.686	579.801	1.36075577	-2.12353
588.802	575.954	1.32665577	-2.12558
585.054	572.243	1.29235577	-2.12748
581.382	568.61	1.25795577	-2.12933
577.726	564.993	1.22335577	-2.13105
574.023	561.33	1.18865577	-2.13274
570.211	557.56	1.15375577	-2.13433
566.229	553.621	1.11865577	-2.13582
562.02	549.457	1.08345577	-2.13732
557.53	545.012	1.04805577	-2.13874
552.708	540.239	1.01245577	-2.14009
547.512	535.093	0.97675577	-2.1415
541.9	529.535	0.94085577	-2.14286
535.839	523.529	0.90475577	-2.14419
529.303	517.051	0.86845577	-2.14551
522.27	510.079	0.83195577	-2.14683
514.73	502.602	0.79525577	-2.14816
506.678	494.614	0.75835577	-2.1495
498.117	486.121	0.72125577	-2.15088
489.059	477.132	0.68395577	-2.15231
479.525	467.669	0.64635577	-2.15369
469.54	457.757	0.60865577	-2.15524
459.139	447.43	0.57055577	-2.15667
448.362	436.728	0.53225577	-2.15819
437.255	425.698	0.49375577	-2.15982
425.868	414.388	0.45495577	-2.16145
414.256	402.853	0.41585577	-2.16312
402.476	391.152	0.37635577	-2.16471
390.589	379.342	0.33665577	-2.16645
378.655	367.485	0.29665577	-2.16825
366.735	355.641	0.25625577	-2.17
354.891	343.873	0.21555577	-2.17183
343.183	332.239	0.17455577	-2.17374
331.67	320.797	0.13315577	-2.17564
320.408	309.605	0.09135577	-2.17754
309.451	298.716	0.04925577	-2.17954
298.852	288.181	0.00665577	-2.18145

288.659	278.05	-0.03624423	-2.18347
278.918	268.367	-0.07964423	-2.18542
269.673	259.175	-0.12344423	-2.18738
260.964	250.516	-0.16754423	-2.18948
252.83	242.426	-0.21224423	-2.19141
245.307	234.942	-0.25724423	-2.19346
238.428	228.097	-0.30274423	-2.19545
232.225	221.922	-0.34864423	-2.19747
226.729	216.447	-0.39504423	-2.19941
221.968	211.7	-0.44194423	-2.20127
217.968	207.707	-0.48914423	-2.20325
214.755	204.495	-0.53694423	-2.20504
212.353	202.084	-0.58514423	-2.20683
210.781	200.498	-0.63374423	-2.20861
210.026	199.704	-0.68284423	-2.21027
210.209	199.87	-0.73244423	-2.21179
211.239	200.861	-0.78234423	-2.21336
213.164	202.739	-0.83284423	-2.21467
215.992	205.511	-0.88364423	-2.21599
219.728	209.185	-0.93494423	-2.21711
224.376	213.762	-0.98664423	-2.2181
229.933	219.241	-1.03874423	-2.21896
236.395	225.618	-1.09124423	-2.21965
243.752	232.884	-1.14414423	-2.22015
251.993	241.027	-1.19734423	-2.22053
261.101	250.031	-1.25094423	-2.22068
271.055	259.877	-1.30494423	-2.22057
281.831	270.538	-1.35924423	-2.22028
293.399	281.987	-1.41384423	-2.21977
305.726	294.191	-1.46884423	-2.21893
318.774	307.111	-1.52404423	-2.21793
332.5	320.706	-1.57944423	-2.21674
346.858	334.929	-1.63524423	-2.21514
361.795	349.729	-1.69114423	-2.2134
377.257	365.05	-1.74734423	-2.2113
393.183	380.834	-1.80364423	-2.20902
409.51	397.017	-1.86024423	-2.20633
426.173	413.534	-1.91694423	-2.20341
443.103	430.316	-1.97374423	-2.20023
460.229	447.293	-2.03064423	-2.19678
477.478	464.392	-2.08764423	-2.19303
494.776	481.541	-2.14474423	-2.18897
512.051	498.664	-2.20184423	-2.18466
529.226	515.689	-2.25904423	-2.17999
546.23	532.541	-2.31624423	-2.17505
562.987	549.147	-2.37344423	-2.1698
579.427	565.435	-2.43054423	-2.16433
595.478	581.336	-2.48764423	-2.15853
611.074	596.779	-2.54474423	-2.15236
626.15	611.701	-2.60174423	-2.14591
640.648	626.043	-2.65864423	-2.13917
654.516	639.752	-2.71534423	-2.1322
667.706	652.78	-2.77204423	-2.12479
680.174	665.082	-2.82854423	-2.11713
691.879	676.613	-2.88494423	-2.10908

702.774	687.327	-2.94114423	-2.10072
712.807	697.169	-2.99724423	-2.09194
721.911	706.073	-3.05324423	-2.08271
730.03	714.027	-3.10894423	-2.0732
737.245	721.123	-3.16454423	-2.0632
743.808	727.599	-3.21994423	-2.05278
750.106	733.839	-3.27514423	-2.0419
756.634	740.319	-3.33024423	-2.03045
763.925	747.565	-3.38504423	-2.0186
772.514	756.095	-3.43954423	-2.00631
782.881	766.388	-3.49394423	-1.99338
795.428	778.838	-3.54804423	-1.97997
810.455	793.747	-3.60184423	-1.96605
828.16	811.312	-3.65534423	-1.95161
848.633	831.63	-3.70854423	-1.93663
871.876	854.703	-3.76144423	-1.92108
897.809	880.458	-3.81394423	-1.90506
926.292	908.758	-3.86614423	-1.88843
957.136	939.417	-3.91784423	-1.87139
990.12	972.219	-3.96914423	-1.85382
1025.01	1006.93	-4.02004423	-1.83571
1061.55	1043.29	-4.07034423	-1.81726
1099.5	1081.08	-4.12014423	-1.79834
1138.63	1120.05	-4.16924423	-1.77914
1178.72	1159.98	-4.21784423	-1.75947
1219.57	1200.68	-4.26574423	-1.73951
1260.99	1241.95	-4.31294423	-1.71925
1302.8	1283.63	-4.35934423	-1.6988
1344.84	1325.53	-4.40494423	-1.67813
1386.92	1367.49	-4.44964423	-1.65735
1428.87	1409.31	-4.49354423	-1.63635
1470.49	1450.81	-4.53644423	-1.61534
1511.56	1491.76	-4.57834423	-1.5943
1551.85	1531.94	-4.61914423	-1.57333
1591.16	1571.15	-4.65894423	-1.55233
1629.25	1609.14	-4.69764423	-1.5314
1665.9	1645.71	-4.73514423	-1.51065
1700.9	1680.63	-4.77154423	-1.48996
1734.04	1713.7	-4.80654423	-1.46964
1765.11	1744.71	-4.84034423	-1.44949
1793.92	1773.47	-4.87284423	-1.42962
1820.31	1799.81	-4.90404423	-1.41001
1844.11	1823.58	-4.93384423	-1.39079
1865.21	1844.65	-4.96224423	-1.37193
1883.49	1862.91	-4.98924423	-1.35346
1898.89	1878.3	-5.01484423	-1.33537
1911.34	1890.75	-5.03894423	-1.31776
1920.82	1900.23	-5.06164423	-1.30054
1927.32	1906.76	-5.08284423	-1.2838
1930.88	1910.34	-5.10264423	-1.26746
1931.56	1911.03	-5.12094423	-1.2516
1929.32	1908.86	-5.13784423	-1.23614
1924.37	1903.95	-5.15324423	-1.22118
1916.79	1896.42	-5.16714423	-1.20672
1906.71	1886.41	-5.17964423	-1.19265

1894.31	1874.06	-5.19074423	-1.17898
1879.76	1859.58	-5.20044423	-1.16571
1863.28	1843.17	-5.20874423	-1.15284
1845.09	1825.05	-5.21574423	-1.14026
1825.43	1805.46	-5.22134423	-1.12809
1804.56	1784.66	-5.22564423	-1.11621
1782.73	1762.9	-5.22864423	-1.10463
1760.22	1740.46	-5.23044423	-1.09324
1737.3	1717.6	-5.23094423	-1.08214
1714.24	1694.61	-5.23024423	-1.07124
1691.31	1671.74	-5.22844423	-1.06044
1668.77	1649.27	-5.22554423	-1.04972
1646.87	1627.43	-5.22144423	-1.0392
1625.85	1606.46	-5.21634423	-1.02867
1605.93	1586.6	-5.21014423	-1.01823
1587.32	1568.02	-5.20294423	-1.00779
1570.17	1550.92	-5.19474423	-0.99735
1554.66	1535.45	-5.18554423	-0.98691
1540.9	1521.72	-5.17544423	-0.97637
1529	1509.85	-5.16434423	-0.96585
1519.01	1499.88	-5.15234423	-0.95524
1510.97	1491.87	-5.13954423	-0.94446
1504.9	1485.81	-5.12574423	-0.93371
1500.78	1481.69	-5.11114423	-0.9228
1498.54	1479.46	-5.09564423	-0.91183
1498.11	1479.03	-5.07924423	-0.90082
1499.42	1480.34	-5.06204423	-0.88968
1502.32	1483.23	-5.04394423	-0.87852
1506.65	1487.56	-5.02504423	-0.86725
1512.28	1493.18	-5.00514423	-0.85608
1519	1499.89	-4.98454423	-0.84473
1526.63	1507.51	-4.96304423	-0.83341
1534.97	1515.83	-4.94064423	-0.82213
1543.79	1524.65	-4.91734423	-0.81091
1552.9	1533.74	-4.89314423	-0.79976
1562.07	1542.9	-4.86804423	-0.78869
1571.09	1551.91	-4.84214423	-0.77761
1579.75	1560.57	-4.81524423	-0.76675
1587.87	1568.67	-4.78744423	-0.75601
1595.24	1576.05	-4.75874423	-0.7454
1601.71	1582.51	-4.72914423	-0.73495
1607.12	1587.92	-4.69854423	-0.72476
1611.33	1592.14	-4.66704423	-0.71474
1614.23	1595.05	-4.63454423	-0.70501
1615.72	1596.55	-4.60114423	-0.69548
1615.91	1596.75	-4.56684423	-0.68615
1614.19	1595.06	-4.53164423	-0.67705
1611.09	1591.98	-4.49544423	-0.66828
1606.42	1587.34	-4.45834423	-0.65974
1600.18	1581.13	-4.42034423	-0.65146
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1583.14	1564.18	-4.34164423	-0.6357
1572.46	1553.55	-4.30104423	-0.62813
1560.44	1541.58	-4.25954423	-0.62086
1547.17	1528.37	-4.21724423	-0.61379

1532.75	1514.01	-4.17404423	-0.60703
1517.3	1498.63	-4.13014423	-0.6004
1500.93	1482.34	-4.08544423	-0.594
1483.76	1465.24	-4.04004423	-0.58775
1465.92	1447.48	-3.99384423	-0.58176
1447.52	1429.17	-3.94704423	-0.57584
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1409.52	1391.36	-3.85144423	-0.56448
1390.14	1372.07	-3.80264423	-0.55906
1370.64	1352.67	-3.75334423	-0.55368
1351.09	1333.23	-3.70344423	-0.54846
1331.58	1313.83	-3.65304423	-0.5433
1312.16	1294.52	-3.60214423	-0.53824
1292.87	1275.35	-3.55074423	-0.53328
1273.74	1256.34	-3.49884423	-0.52846
1254.78	1237.5	-3.44664423	-0.5236
1235.98	1218.84	-3.39394423	-0.51892
1217.34	1200.32	-3.34094423	-0.51424
1198.8	1181.92	-3.28754423	-0.5097
1180.33	1163.59	-3.23384423	-0.50523
1161.87	1145.27	-3.17984423	-0.50084
1143.33	1126.88	-3.12554423	-0.49658
1124.65	1108.35	-3.07104423	-0.49236
1105.72	1089.58	-3.01634423	-0.48824
1086.46	1070.47	-2.96134423	-0.48433
1066.76	1050.94	-2.90624423	-0.48047
1046.52	1030.86	-2.85094423	-0.47679
1025.63	1010.15	-2.79554423	-0.47324
1004	988.695	-2.74004423	-0.46985
981.515	966.399	-2.68444423	-0.46665
958.097	943.172	-2.62884423	-0.46357
933.659	918.929	-2.57324423	-0.46067
908.126	893.597	-2.51754423	-0.45807
881.436	867.115	-2.46194423	-0.45562
853.542	839.434	-2.40644423	-0.45334
824.411	810.521	-2.35104423	-0.45129
794.024	780.359	-2.29574423	-0.44949
762.385	748.95	-2.24064423	-0.44789
729.513	716.314	-2.18574423	-0.44652
695.448	682.491	-2.13104423	-0.44542
660.25	647.543	-2.07664423	-0.44453
624.005	611.552	-2.02254423	-0.44388
586.819	574.627	-1.96884423	-0.44341
548.819	536.889	-1.91554423	-0.44317
510.143	498.474	-1.86264423	-0.44317
470.927	459.519	-1.81024423	-0.44336
431.31	420.159	-1.75844423	-0.44368
391.427	380.531	-1.70714423	-0.44425
351.411	340.766	-1.65644423	-0.445
311.392	300.995	-1.60634423	-0.44599
271.504	261.351	-1.55704423	-0.44702
231.879	221.966	-1.50844423	-0.44824
192.657	182.98	-1.46054423	-0.44967
153.984	144.54	-1.41354423	-0.45114
116.019	106.803	-1.36744423	-0.45267

78.9352	69.9445	-1.32224423	-0.4543
42.925	34.1571	-1.27804423	-0.45595
8.20723	-0.338027	-1.23474423	-0.45774
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-85.3029	-93.1006	-1.11124423	-0.46312
-111.457	-118.892	-1.07224423	-0.46494
-133.737	-140.611	-1.03444423	-0.46669
-150.267	-156.125	-0.99784423	-0.46838
-157.3	-161.349	-0.96234423	-0.47013
-147.959	-149.221	-0.92804423	-0.47186
-112.027	-110.616	-0.89494423	-0.47361
-41.564	-41.8309	-0.86294423	-0.47554
51.79	40.35	-0.83204423	-0.47774
127.648	98.7537	-0.80204423	-0.48051
111.394	85.906	-0.77304423	-0.48382
30.5357	24.429	-0.74484423	-0.48787
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-102.545	-94.6592	-0.69144423	-0.49719
-90.3245	-82.9657	-0.66624423	-0.5023
-25.2915	-26.5287	-0.64214423	-0.50757
59.6058	41.3029	-0.61904423	-0.51312
98.8268	68.9235	-0.59684423	-0.51911
54.1169	36.1706	-0.57564423	-0.52541
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29.7932	15.3196	-0.50014423	-0.5525
85.6	54.381	-0.48374423	-0.55927
59.5228	35.6361	-0.46824423	-0.5661
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50.4552	27.5952	-0.41554423	-0.59161
79.2768	46.6162	-0.40474423	-0.59714
31.9736	17.2176	-0.39484423	-0.6023
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18.3065	5.95514	-0.37084423	-0.61431
70.0089	41.0212	-0.36474423	-0.61692
57.8121	34.9373	-0.35944423	-0.61893
13.2704	6.01384	-0.35514423	-0.62008
-10.6536	-13.0771	-0.35174423	-0.62038
6.89593	-1.865	-0.34924423	-0.61977
43.8078	24.9881	-0.34774423	-0.61808
64.2968	43.9589	-0.34714423	-0.61542
57.8241	41.4884	-0.34734423	-0.61183
43.9772	32.6686	-0.34844423	-0.60716
41.1177	30.5457	-0.35054423	-0.60128
57.328	44.2248	-0.35344423	-0.59433
80.952	65.7724	-0.35714423	-0.58628
106.084	90.541	-0.36184423	-0.57692
131.33	116.661	-0.36724423	-0.56652
160.011	146.37	-0.37354423	-0.55488
196.204	183.173	-0.38054423	-0.54216

242.574	229.891	-0.38824423	-0.52838
300.736	288.213	-0.39664423	-0.51352
371.38	358.698	-0.40574423	-0.4976
453.534	440.308	-0.41524423	-0.48095
544.96	531.27	-0.42534423	-0.46337
643.79	629.419	-0.43574423	-0.4452
746.774	731.405	-0.44634423	-0.42659
849.777	833.791	-0.45724423	-0.40745
950.761	934.322	-0.46814423	-0.38814
1049.94	1033.39	-0.47894423	-0.36879
1147.99	1131.45	-0.48964423	-0.34942
1243.42	1226.94	-0.50004423	-0.33028
1334.46	1317.99	-0.50984423	-0.31169
1419.69	1403.11	-0.51914423	-0.29357
1497.48	1480.79	-0.52764423	-0.27626
1566.8	1549.93	-0.53524423	-0.25986
1626.76	1609.89	-0.54194423	-0.2444
1676.71	1659.78	-0.54764423	-0.22997
1716.46	1699.2	-0.55224423	-0.21668
1747.19	1729.1	-0.55564423	-0.20464
1769.73	1751.71	-0.55794423	-0.19372
1784.15	1766.63	-0.55894423	-0.18411
1790.17	1772.47	-0.55874423	-0.17571
1787.45	1769.78	-0.55724423	-0.16858
1775.94	1758.54	-0.55454423	-0.16261
1755.79	1738.28	-0.55064423	-0.15777
1726.92	1709.55	-0.54554423	-0.15402
1689.91	1672.57	-0.53924423	-0.15134
1645.48	1628.17	-0.53184423	-0.14957
1594.54	1577.33	-0.52344423	-0.14859
1538.22	1521.02	-0.51394423	-0.14845
1477.52	1460.43	-0.50354423	-0.1489
1413.7	1396.65	-0.49224423	-0.14991
1348	1331.07	-0.48024423	-0.15122
1281.75	1264.9	-0.46754423	-0.1528
1216.14	1199.39	-0.45414423	-0.1546
1152.41	1135.77	-0.44024423	-0.15638
1091.77	1075.26	-0.42594423	-0.158
1035.4	1019	-0.41124423	-0.15943
984.358	968.043	-0.39614423	-0.16062
939.529	923.249	-0.38094423	-0.16126
901.529	885.247	-0.36544423	-0.16152
870.77	854.485	-0.34984423	-0.16117
847.593	831.318	-0.33414423	-0.16019
832.304	816.043	-0.31844423	-0.15848
824.551	808.241	-0.30264423	-0.15612
825.991	809.649	-0.28684423	-0.153
834.725	818.312	-0.27094423	-0.14923
850.983	834.505	-0.25504423	-0.14471
874.393	857.833	-0.23914423	-0.13944
904.453	887.784	-0.22314423	-0.13353
940.514	923.732	-0.20694423	-0.1271
981.875	964.99	-0.19074423	-0.11996
1027.81	1010.82	-0.17424423	-0.11242
1077.53	1060.42	-0.15754423	-0.10441

1130.18	1112.95	-0.14044423	-0.09615
1184.92	1167.58	-0.12304423	-0.08757
1240.9	1223.44	-0.10524423	-0.07877
1297.27	1279.69	-0.08684423	-0.07
1353.17	1335.47	-0.06794423	-0.06118
1407.8	1389.99	-0.04844423	-0.05244
1460.43	1442.51	-0.02814423	-0.04399
1510.3	1492.29	-0.00714423	-0.03577
1556.65	1538.58	0.01475577	-0.028
1598.74	1580.63	0.03745577	-0.02061
1635.87	1617.71	0.06115577	-0.01381
1667.46	1649.25	0.08575577	-0.00753
1693.01	1674.77	0.11145577	-0.00199
1712.12	1693.86	0.13815577	0.002905
1724.45	1706.19	0.16585577	0.007132
1729.9	1711.64	0.19475577	0.010484
1728.21	1709.97	0.22465577	0.013154
1719.62	1701.41	0.25565577	0.015038
1704.24	1686.06	0.28765577	0.016235
1682.32	1664.21	0.32075577	0.016646
1654.24	1636.21	0.35485577	0.016374
1620.47	1602.53	0.38995577	0.015423
1581.56	1563.72	0.42595577	0.013899
1538.12	1520.4	0.46275577	0.011912
1490.85	1473.26	0.50045577	0.009372
1440.49	1423.03	0.53895577	0.006388
1387.79	1370.46	0.57805577	0.003174
1333.5	1316.29	0.61785577	-0.00036
1278.37	1261.3	0.65815577	-0.004
1223.17	1206.24	0.69895577	-0.00773
1168.69	1151.91	0.74015577	-0.01144
1115.7	1099.07	0.78175577	-0.01512
1064.92	1048.42	0.82365577	-0.01867
1017.01	1000.65	0.86565577	-0.02187
972.585	956.36	0.90795577	-0.02492
932.197	916.098	0.95025577	-0.02752
896.317	880.335	0.99265577	-0.02977
865.325	849.451	1.03505577	-0.03157
839.503	823.729	1.07745577	-0.03293
819.044	803.364	1.11975577	-0.03375
804.044	788.451	1.16205577	-0.03416
794.503	778.986	1.20415577	-0.03397
790.161	774.743	1.24615577	-0.03329
791.263	775.874	1.28805577	-0.03216
797.051	781.715	1.32985577	-0.03061
807.284	791.994	1.37155577	-0.02866
821.482	806.235	1.41305577	-0.02625
839.09	823.882	1.45455577	-0.02361
859.482	844.313	1.49595577	-0.0207
881.974	866.845	1.53735577	-0.01764
905.837	890.748	1.57865577	-0.01439
930.311	915.264	1.62005577	-0.01118
954.628	939.624	1.66145577	-0.00797
978.026	963.067	1.70295577	-0.0049
999.763	984.855	1.74455577	-0.00202

1019.13	1004.28	1.78625577	0.000624
1035.44	1020.66	1.82805577	0.002984
1048.08	1033.37	1.87015577	0.004824
1056.49	1041.87	1.91235577	0.006294
1060.19	1045.68	1.95465577	0.007354
1058.8	1044.38	1.99725577	0.007774
1052.01	1037.7	2.04005577	0.007624
1039.63	1025.44	2.08295577	0.006954
1021.56	1007.5	2.12605577	0.005664
997.813	983.898	2.16935577	0.003704
968.515	954.749	2.21265577	0.001274
933.891	920.284	2.25615577	-0.00185
894.272	880.831	2.29955577	-0.00537
850.083	836.813	2.34305577	-0.0095
801.837	788.742	2.38645577	-0.01404
750.124	737.208	2.42975577	-0.01899
695.605	682.871	2.47275577	-0.02416
638.994	626.443	2.51565577	-0.02972
581.049	568.682	2.55815577	-0.03539
522.558	510.374	2.60025577	-0.04114
464.326	452.322	2.64195577	-0.04697
407.155	395.327	2.68315577	-0.05276
351.827	340.17	2.72375577	-0.05841
299.092	287.601	2.76365577	-0.06381
249.652	238.319	2.80295577	-0.06904
204.146	192.964	2.84135577	-0.0738
163.136	152.097	2.87905577	-0.07829
127.101	116.197	2.91585577	-0.0823
96.4232	85.6448	2.95165577	-0.08573
71.3825	60.7221	2.98665577	-0.0888
52.1521	41.6012	3.02065577	-0.0913
38.7937	28.344	3.05355577	-0.09316
31.2557	20.8986	3.08555577	-0.09458
29.3723	19.0985	3.11655577	-0.0955
32.8622	22.6615	3.14655577	-0.09594
41.3286	31.1891	3.17555577	-0.09592
54.2591	44.1675	3.20355577	-0.09549
71.0291	60.9721	3.23055577	-0.09467
90.913	80.8806	3.25665577	-0.09361
113.11	103.099	3.28185577	-0.09236
136.785	126.8	3.30615577	-0.09094
161.114	151.165	3.32955577	-0.08941
185.319	175.416	3.35215577	-0.08791
208.679	198.824	3.37395577	-0.08649
230.519	220.707	3.39495577	-0.08517
250.199	240.426	3.41515577	-0.08401
267.134	257.397	3.43475577	-0.08323
280.809	271.107	3.45365577	-0.08277
290.802	281.135	3.47175577	-0.08254
296.793	287.161	3.48935577	-0.08288
298.57	288.97	3.50615577	-0.0835
296.029	286.46	3.52235577	-0.08461
289.182	279.642	3.53795577	-0.08621
278.154	268.64	3.55285577	-0.0882
263.184	253.693	3.56705577	-0.09057

244.618	235.148	3.58055577	-0.09332
222.906	213.453	3.59335577	-0.09641
198.586	189.147	3.60545577	-0.09983
172.277	162.849	3.61685577	-0.10354
144.658	135.237	3.62735577	-0.10732
116.457	107.039	3.63705577	-0.11123
88.4281	79.0084	3.64595577	-0.11523
61.3353	51.91	3.65385577	-0.11908
35.9373	26.5024	3.66095577	-0.12295
12.9694	3.52101	3.66705577	-0.12659
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10.3548	0.501342	3.67635577	-0.14344
38.0369	27.8371	3.67225577	-0.14308
69.6415	58.9237	3.66725577	-0.14236
103.111	91.8683	3.66135577	-0.14129
136.447	124.983	3.65465577	-0.13996
168.884	157.656	3.64705577	-0.13829
201.36	190.552	3.63865577	-0.13636
235.423	224.777	3.62955577	-0.13427
271.602	260.736	3.61965577	-0.13193
309.031	297.845	3.60925577	-0.12964
346.53	335.182	3.59805577	-0.12709
383.535	372.125	3.58645577	-0.12469
419.844	408.315	3.57425577	-0.12223
455.037	443.315	3.56155577	-0.1198
488.441	476.531	3.54845577	-0.11751
519.49	507.455	3.53495577	-0.11534
547.953	535.824	3.52105577	-0.11329
573.769	561.519	3.50685577	-0.11145
596.807	584.422	3.49235577	-0.10979
616.926	604.427	3.47765577	-0.10841
634.104	621.496	3.46265577	-0.10719
648.388	635.667	3.44745577	-0.10619
659.868	647.043	3.43205577	-0.10541
668.712	655.792	3.41645577	-0.10481
675.147	662.131	3.40065577	-0.10437
679.408	666.299	3.38475577	-0.10416
681.753	668.561	3.36865577	-0.10405
682.495	669.228	3.35245577	-0.10411
681.984	668.65	3.33605577	-0.10421
680.58	667.185	3.31955577	-0.10441
678.644	665.19	3.30285577	-0.10459
676.543	663.029	3.28595577	-0.10471
674.649	661.074	3.26895577	-0.10484
673.325	659.689	3.25185577	-0.10495
672.905	659.206	3.23455577	-0.10492
673.684	659.923	3.21705577	-0.10471
675.914	662.09	3.19945577	-0.1044

679.798	665.907	3.18175577	-0.10396
685.496	671.532	3.16385577	-0.10327
693.127	679.086	3.14585577	-0.10241
702.767	688.644	3.12765577	-0.10126
714.445	700.236	3.10945577	-0.09999
728.143	713.847	3.09105577	-0.09839
743.799	729.412	3.07265577	-0.09665
761.309	746.828	3.05415577	-0.09465
780.532	765.955	3.03565577	-0.09249
801.298	786.623	3.01705577	-0.09003
823.405	808.631	2.99855577	-0.08749
846.628	831.754	2.98005577	-0.08475
870.723	855.749	2.96155577	-0.0818
895.434	880.362	2.94315577	-0.07874
920.498	905.329	2.92495577	-0.07565
945.647	930.382	2.90685577	-0.07244
970.618	955.259	2.88885577	-0.0691
995.149	979.7	2.87115577	-0.06582
1018.99	1003.45	2.85365577	-0.0625
1041.92	1026.29	2.83645577	-0.05923
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1084.15	1068.37	2.80285577	-0.05273
1103.1	1087.24	2.78655577	-0.04959
1120.39	1104.47	2.77065577	-0.04659
1135.93	1119.93	2.75515577	-0.04371
1149.61	1133.55	2.73995577	-0.04084
1161.37	1145.26	2.72525577	-0.03819
1171.2	1155.04	2.71095577	-0.03564
1179.1	1162.89	2.69715577	-0.03329
1185.1	1168.85	2.68375577	-0.03102
1189.27	1172.97	2.67075577	-0.02883
1191.67	1175.34	2.65825577	-0.02681
1192.43	1176.07	2.64625577	-0.02495
1191.68	1175.28	2.63465577	-0.02313
1189.55	1173.13	2.62365577	-0.02155
1186.22	1169.77	2.61295577	-0.0199
1181.86	1165.4	2.60275577	-0.01836
1176.67	1160.19	2.59305577	-0.01693
1170.86	1154.37	2.58375577	-0.01549
1164.63	1148.12	2.57485577	-0.01405
1158.19	1141.67	2.56645577	-0.01268
1151.74	1135.21	2.55845577	-0.01127
1145.47	1128.93	2.55085577	-0.00983
1139.58	1123.03	2.54365577	-0.00835
1134.23	1117.68	2.53675577	-0.00671
1129.58	1113.02	2.53035577	-0.00511
1125.76	1109.19	2.52425577	-0.00335
1122.88	1106.3	2.51855577	-0.00153
1121.02	1104.44	2.51325577	0.000364
1120.23	1103.65	2.50835577	0.002314
1120.56	1103.97	2.50375577	0.004434
1121.99	1105.4	2.49945577	0.006714
1124.51	1107.91	2.49565577	0.008954
1128.05	1111.45	2.49215577	0.011344
1132.53	1115.93	2.48895577	0.013874

1137.83	1121.23	2.48625577	0.016354
1143.83	1127.24	2.48385577	0.018954
1150.38	1133.79	2.48185577	0.021574
1157.29	1140.7	2.48025577	0.024194
1164.39	1147.81	2.47905577	0.026814
1171.47	1154.9	2.47835577	0.029314
1178.32	1161.77	2.47795577	0.031884
1184.75	1168.21	2.47805577	0.034304
1190.53	1174.01	2.47845577	0.036754
1195.45	1178.96	2.47945577	0.038924
1199.31	1182.85	2.48075577	0.041104
1201.93	1185.5	2.48265577	0.042964
1203.11	1186.74	2.48485577	0.044804
1202.69	1186.34	2.48765577	0.046294
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1196.52	1180.28	2.49445577	0.048774
1190.55	1174.37	2.49845577	0.049744
1182.56	1166.44	2.50295577	0.050394
1172.5	1156.45	2.50795577	0.050734
1160.35	1144.39	2.51325577	0.050934
1146.14	1130.26	2.51895577	0.050884
1129.91	1114.12	2.52505577	0.050574
1111.74	1096.04	2.53155577	0.049994
1091.73	1076.13	2.53835577	0.049234
1070	1054.51	2.54555577	0.048184
1046.72	1031.33	2.55295577	0.047014
1022.05	1006.77	2.56055577	0.045744
996.19	981.029	2.56845577	0.044244
969.356	954.313	2.57655577	0.042614
941.768	926.846	2.58475577	0.040944
913.661	898.862	2.59315577	0.039124
885.271	870.597	2.60165577	0.037244
856.84	842.291	2.61015577	0.035394
828.603	814.18	2.61875577	0.033464
800.79	786.493	2.62725577	0.031654
773.622	759.452	2.63585577	0.029744
747.305	733.26	2.64425577	0.028024
722.028	708.108	2.65255577	0.026384
697.96	684.164	2.66075577	0.024814
675.246	661.573	2.66885577	0.023304
654.008	640.453	2.67665577	0.022024
634.333	620.895	2.68425577	0.020874
616.28	602.956	2.69165577	0.019824
599.876	586.664	2.69875577	0.018974
585.117	572.013	2.70565577	0.018194
571.964	558.966	2.71215577	0.017664
560.35	547.456	2.71845577	0.017154
550.18	537.386	2.72435577	0.016864
541.33	528.634	2.72985577	0.016754
533.653	521.052	2.73505577	0.016704
526.98	514.473	2.73995577	0.016694
521.126	508.712	2.74445577	0.016784
515.892	503.568	2.74855577	0.016974
511.07	498.836	2.75225577	0.017214
506.448	494.301	2.75565577	0.017384

501.811	489.752	2.75855577	0.017664
496.953	484.98	2.76115577	0.017824
491.672	479.786	2.76325577	0.018034
485.784	473.984	2.76505577	0.018084
479.12	467.405	2.76635577	0.018134
471.531	459.902	2.76725577	0.018074
462.896	451.352	2.76775577	0.017874
453.119	441.661	2.76785577	0.017504
442.135	430.762	2.76745577	0.017074
429.912	418.623	2.76655577	0.016534
416.448	405.244	2.76515577	0.015884
401.777	390.656	2.76335577	0.015014
385.966	374.928	2.76095577	0.014094
369.113	358.156	2.75805577	0.013034
351.347	340.47	2.75465577	0.011804
332.826	322.027	2.75065577	0.010514
313.733	303.01	2.74605577	0.009144
294.271	283.622	2.74085577	0.007694
274.664	264.085	2.73495577	0.006254
255.146	244.636	2.72845577	0.004734
235.963	225.518	2.72135577	0.003114
217.362	206.979	2.71345577	0.001614
199.589	189.264	2.70485577	0.000114
182.885	172.613	2.69545577	-0.00128
167.477	157.254	2.68535577	-0.00266
153.578	143.398	2.67445577	-0.00393
141.376	131.236	2.66275577	-0.0051
131.037	120.93	2.65025577	-0.00617
122.696	112.616	2.63695577	-0.00713
116.455	106.396	2.62275577	-0.00788
112.381	102.337	2.60785577	-0.00864
110.388	100.353	2.59195577	-0.0091
110.814	100.779	2.57535577	-0.00956
113.264	103.223	2.55785577	-0.00983
117.767	107.714	2.53955577	-0.01003
124.202	114.13	2.52035577	-0.01004
132.415	122.317	2.50035577	-0.00997
142.222	132.094	2.47965577	-0.00995
153.419	143.257	2.45805577	-0.00975
165.784	155.584	2.43575577	-0.00961
179.086	168.845	2.41265577	-0.00941
193.089	182.805	2.38875577	-0.00917
207.559	197.23	2.36425577	-0.00908
222.268	211.892	2.33905577	-0.00905
236.999	226.574	2.31305577	-0.00897
251.546	241.072	2.28645577	-0.00905
265.725	255.199	2.25925577	-0.00929
279.367	268.789	2.23145577	-0.00966
292.329	281.699	2.20295577	-0.01007
304.492	293.808	2.17395577	-0.01071
315.763	305.025	2.14435577	-0.01144
326.077	315.284	2.11425577	-0.01237
335.399	324.55	2.08355577	-0.01337
343.721	332.816	2.05235577	-0.0145
351.069	340.107	2.02055577	-0.01565

357.494	346.474	1.98835577	-0.01699
363.079	351.999	1.95565577	-0.01837
367.932	356.791	1.92255577	-0.01987
372.19	360.984	1.88885577	-0.02124
376.01	364.736	1.85475577	-0.02264
379.57	368.225	1.82015577	-0.02394
383.067	371.646	1.78515577	-0.02519
386.708	375.206	1.74965577	-0.02624
390.712	379.123	1.71375577	-0.02716
395.3	383.618	1.67745577	-0.02788
400.699	388.915	1.64075577	-0.02838
407.127	395.234	1.60355577	-0.0285
414.796	402.788	1.56605577	-0.02841
423.907	411.773	1.52805577	-0.02786
434.638	422.371	1.48975577	-0.02702
447.148	434.74	1.45105577	-0.02574
461.567	449.011	1.41195577	-0.024
477.995	465.282	1.37265577	-0.02195
496.495	483.619	1.33295577	-0.01938
517.094	504.047	1.29295577	-0.01636
539.776	526.554	1.25275577	-0.01296
564.486	551.082	1.21225577	-0.00906
591.125	577.535	1.17155577	-0.00475
619.552	605.771	1.13075577	-9.6E-05
649.585	635.608	1.08975577	0.004984
680.998	666.823	1.04865577	0.010424
713.528	699.151	1.00755577	0.016114
746.866	732.285	0.96635577	0.022177
780.665	765.878	0.92515577	0.028508
814.535	799.541	0.88405577	0.035011
848.049	832.852	0.84305577	0.04169
880.772	865.398	0.80215577	0.048546
912.325	896.793	0.76135577	0.05558
942.4	926.726	0.72075577	0.062695
970.785	954.983	0.68045577	0.069791
997.376	981.458	0.64035577	0.076968
1022.17	1006.14	0.60055577	0.084128
1045.24	1029.13	0.56115577	0.091172
1066.73	1050.54	0.52205577	0.098199
1086.82	1070.56	0.48335577	0.10511
1105.69	1089.35	0.44515577	0.111808
1123.5	1107.09	0.40725577	0.118497
1140.36	1123.87	0.36985577	0.124983
1156.35	1139.79	0.33295577	0.131274
1171.52	1154.89	0.29655577	0.137379
1185.93	1169.24	0.26075577	0.143209
1199.63	1182.87	0.22535577	0.148975
1212.64	1195.82	0.19055577	0.15449
1224.99	1208.11	0.15635577	0.159767
1236.7	1219.76	0.12265577	0.164919
1247.78	1230.78	0.08955577	0.169861
1258.25	1241.19	0.05705577	0.174607
1268.1	1250.98	0.02525577	0.179072
1277.35	1260.18	-0.00604423	0.183469
1286.01	1268.78	-0.03664423	0.187614

1294.08	1276.8	-0.06664423	0.191621
1301.58	1284.25	-0.09594423	0.195405
1308.54	1291.16	-0.12464423	0.199078
1314.99	1297.56	-0.15274423	0.202656
1320.97	1303.48	-0.18014423	0.206052
1326.51	1308.98	-0.20684423	0.209279
1331.66	1314.08	-0.23284423	0.21235
1336.47	1318.85	-0.25824423	0.215377
1340.98	1323.32	-0.28294423	0.218273
1345.26	1327.55	-0.30694423	0.221048
1349.33	1331.58	-0.33024423	0.223713
1353.24	1335.46	-0.35284423	0.226279
1357.04	1339.23	-0.37474423	0.228755
1360.76	1342.91	-0.39604423	0.231249
1364.43	1346.55	-0.41654423	0.233569
1368.07	1350.17	-0.43644423	0.235922
1371.7	1353.77	-0.45554423	0.238116
1375.32	1357.36	-0.47404423	0.240355
1378.92	1360.95	-0.49174423	0.242443
1382.5	1364.51	-0.50874423	0.244486
1386.04	1368.03	-0.52504423	0.246487
1389.5	1371.48	-0.54064423	0.248446
1392.85	1374.81	-0.55554423	0.250367
1396.04	1378	-0.56964423	0.25215
1399.03	1380.98	-0.58314423	0.253995
1401.76	1383.71	-0.59584423	0.255701
1404.17	1386.13	-0.60774423	0.257268
1406.22	1388.18	-0.61904423	0.258893
1407.83	1389.8	-0.62954423	0.260373
1408.96	1390.93	-0.63924423	0.261707
1409.54	1391.52	-0.64834423	0.263089
1409.6	1391.6	-0.65664423	0.264316
1408.84	1390.86	-0.66414423	0.265383
1407.48	1389.52	-0.67094423	0.266385
1405.38	1387.44	-0.67714423	0.267418
1402.51	1384.59	-0.68244423	0.268174
1398.84	1380.95	-0.68714423	0.268948
1394.35	1376.49	-0.69104423	0.269534
1389.02	1371.2	-0.69424423	0.270025
1382.85	1365.07	-0.69674423	0.270414
1375.84	1358.1	-0.69864423	0.270794
1368.01	1350.3	-0.69974423	0.270958
1359.36	1341.7	-0.70014423	0.270998
1349.92	1332.32	-0.69994423	0.271007
1339.74	1322.18	-0.69914423	0.270976
1328.85	1311.35	-0.69764423	0.270797
1317.31	1299.86	-0.69544423	0.270462
1305.17	1287.77	-0.69274423	0.270163
1292.48	1275.15	-0.68934423	0.26969
1279.32	1262.06	-0.68544423	0.269236
1265.76	1248.56	-0.68094423	0.26869
1251.87	1234.73	-0.67594423	0.268143
1237.72	1220.65	-0.67034423	0.267486
1223.39	1206.38	-0.66434423	0.266908
1208.94	1192.01	-0.65774423	0.2662

1194.47	1177.61	-0.65074423	0.26555
1180.03	1163.24	-0.64324423	0.264849
1165.69	1148.97	-0.63524423	0.264085
1151.52	1134.87	-0.62694423	0.263446
1137.58	1121	-0.61814423	0.262721
1123.92	1107.41	-0.60904423	0.262097
1110.58	1094.15	-0.59954423	0.261463
1097.62	1081.26	-0.58974423	0.260905
1085.05	1068.76	-0.57954423	0.260309
1072.91	1056.7	-0.56904423	0.259763
1061.22	1045.07	-0.55824423	0.259251
1049.98	1033.9	-0.54714423	0.258761
1039.19	1023.18	-0.53584423	0.258377
1028.85	1012.91	-0.52424423	0.257984
1018.94	1003.06	-0.51234423	0.257567
1009.43	993.629	-0.50024423	0.25721
1000.31	984.569	-0.48794423	0.256897
991.52	975.849	-0.47544423	0.256613
983.03	967.425	-0.46274423	0.25634
974.789	959.249	-0.44984423	0.256062
966.744	951.27	-0.43674423	0.255763
958.842	943.434	-0.42344423	0.255425
951.024	935.682	-0.41004423	0.255131
943.232	927.956	-0.39654423	0.254865
935.406	920.196	-0.38284423	0.254508
927.485	912.342	-0.36904423	0.254144
919.408	904.334	-0.35514423	0.253755
911.118	896.113	-0.34104423	0.253225
902.556	887.622	-0.32694423	0.252736
893.666	878.805	-0.31274423	0.252172
884.397	869.611	-0.29844423	0.251516
874.699	859.989	-0.28404423	0.250752
864.525	849.895	-0.26964423	0.249962
853.836	839.287	-0.25524423	0.249133
842.595	828.129	-0.24074423	0.248146
830.772	816.392	-0.22624423	0.247088
818.343	804.051	-0.21174423	0.245943
805.289	791.088	-0.19724423	0.244695
791.601	777.494	-0.18284423	0.24343
777.276	763.263	-0.16844423	0.242033
762.318	748.403	-0.15414423	0.24059
746.74	732.925	-0.13984423	0.238986
730.563	716.85	-0.12564423	0.237308
713.817	700.208	-0.11164423	0.23564
696.539	683.035	-0.09774423	0.23387
678.773	665.376	-0.08404423	0.232084
660.571	647.282	-0.07044423	0.230167
641.993	628.813	-0.05714423	0.228306
623.102	610.031	-0.04404423	0.226387
603.968	591.008	-0.03114423	0.224397
584.665	571.816	-0.01854423	0.222421
565.271	552.533	-0.00614423	0.220347
545.865	533.237	0.00585577	0.21836
526.527	514.01	0.01755577	0.216347
507.337	494.93	0.02885577	0.214394

488.375	476.077	0.03975577	0.212487
469.719	457.528	0.05025577	0.210612
451.441	439.357	0.06045577	0.208655
433.613	421.633	0.07005577	0.206903
416.299	404.421	0.07925577	0.205141
399.557	387.781	0.08795577	0.203456
383.442	371.764	0.09615577	0.201834
367.999	356.416	0.10385577	0.200261
353.266	341.777	0.11105577	0.198722
339.274	327.875	0.11765577	0.197305
326.047	314.736	0.12365577	0.195996
313.602	302.375	0.12905577	0.194781
301.949	290.801	0.13395577	0.193547
291.093	280.021	0.13815577	0.19248
281.033	270.032	0.14175577	0.191469
271.763	260.83	0.14475577	0.1905
263.274	252.404	0.14705577	0.189662
255.552	244.74	0.14865577	0.188941
248.577	237.82	0.14965577	0.188228
242.328	231.622	0.14995577	0.187612
236.78	226.121	0.14965577	0.186981
231.906	221.288	0.14855577	0.186526
227.676	217.096	0.14685577	0.186038
224.059	213.513	0.14435577	0.18571
221.025	210.508	0.14125577	0.185332
218.542	208.049	0.13745577	0.184998
216.579	206.107	0.13285577	0.184803
215.108	204.652	0.12765577	0.184541
214.102	203.657	0.12175577	0.184307
213.536	203.098	0.11505577	0.184199
213.39	202.955	0.10765577	0.184114
213.645	203.209	0.09965577	0.18395
214.289	203.847	0.09085577	0.183908
215.312	204.862	0.08135577	0.183887
216.712	206.249	0.07115577	0.18389
218.488	208.009	0.06035577	0.183818
220.647	210.147	0.04875577	0.183877
223.198	212.675	0.03645577	0.18397
226.158	215.607	0.02345577	0.184103
229.544	218.962	0.00985577	0.184184
233.38	222.762	-0.00444423	0.184319
237.69	227.033	-0.01944423	0.184518
242.501	231.802	-0.03514423	0.184789
247.843	237.097	-0.05144423	0.185044
253.743	242.947	-0.06844423	0.185393
260.231	249.38	-0.08604423	0.185748
267.333	256.425	-0.10434423	0.186221
275.075	264.105	-0.12314423	0.186626
283.477	272.442	-0.14264423	0.187176
292.559	281.456	-0.16274423	0.187785
302.335	291.158	-0.18344423	0.188467
312.812	301.56	-0.20474423	0.189238
323.995	312.663	-0.22654423	0.190013
335.881	324.466	-0.24894423	0.190907
348.462	336.962	-0.27184423	0.191837

361.725	350.135	-0.29524423	0.192818
375.649	363.966	-0.31914423	0.193868
390.207	378.429	-0.34354423	0.195003
405.37	393.492	-0.36844423	0.19624
421.099	409.12	-0.39374423	0.197498
437.355	425.271	-0.41944423	0.198793
454.09	441.9	-0.44554423	0.200144
471.257	458.957	-0.47204423	0.201569
488.801	476.391	-0.49884423	0.202988
506.67	494.147	-0.52604423	0.204517
524.806	512.168	-0.55344423	0.205977
543.152	530.397	-0.58124423	0.207587
561.649	548.776	-0.60934423	0.209266
580.24	567.247	-0.63754423	0.210834
598.865	585.751	-0.66604423	0.212511
617.469	604.234	-0.69474423	0.214217
635.995	622.638	-0.72354423	0.215872
654.389	640.91	-0.75254423	0.217596
672.602	659.003	-0.78174423	0.21941
690.592	676.874	-0.81094423	0.221133
708.326	694.492	-0.84024423	0.222888
725.78	711.832	-0.86964423	0.224693
742.942	728.883	-0.89904423	0.226469
759.805	745.637	-0.92844423	0.228237
776.373	762.098	-0.95784423	0.230017
792.653	778.274	-0.98724423	0.231828
808.659	794.179	-1.01654423	0.23359
824.408	809.827	-1.04584423	0.235422
839.917	825.238	-1.07504423	0.237243
855.205	840.43	-1.10404423	0.238971
870.289	855.419	-1.13304423	0.240825
885.185	870.222	-1.16184423	0.24262
899.907	884.852	-1.19054423	0.244475
914.466	899.32	-1.21894423	0.246205
928.869	913.634	-1.24724423	0.248026
943.121	927.799	-1.27534423	0.249854
957.227	941.818	-1.30314423	0.251604
971.183	955.69	-1.33074423	0.253384
984.986	969.41	-1.35804423	0.255104
998.626	982.969	-1.38514423	0.256894
1012.09	996.353	-1.41184423	0.258554
1025.36	1009.54	-1.43834423	0.260284
1038.4	1022.52	-1.46444423	0.261924
1051.2	1035.24	-1.49024423	0.263554
1063.72	1047.68	-1.51564423	0.265104
1075.91	1059.81	-1.54074423	0.266674
1087.73	1071.57	-1.56534423	0.268064
1099.14	1082.92	-1.58964423	0.269504
1110.09	1093.81	-1.61354423	0.270894
1120.53	1104.19	-1.63694423	0.272124
1130.41	1114.02	-1.65994423	0.273324
1139.69	1123.24	-1.68254423	0.274484
1148.31	1131.82	-1.70464423	0.275524
1156.23	1139.7	-1.72624423	0.276444
1163.43	1146.86	-1.74744423	0.277344

1169.87	1153.26	-1.76814423	0.278144
1175.53	1158.89	-1.78834423	0.278834
1180.4	1163.73	-1.80804423	0.279424
1184.47	1167.77	-1.82724423	0.279924
1187.75	1171.02	-1.84604423	0.280434
1190.25	1173.5	-1.86424423	0.280764
1191.98	1175.22	-1.88194423	0.281014
1192.99	1176.21	-1.89914423	0.281194
1193.3	1176.51	-1.91584423	0.281294
1192.96	1176.16	-1.93194423	0.281234
1192.03	1175.21	-1.94764423	0.281224
1190.54	1173.72	-1.96284423	0.281144
1188.57	1171.74	-1.97754423	0.281014
1186.16	1169.34	-1.99164423	0.280734
1183.39	1166.57	-2.00534423	0.280504
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1152.04	1135.28	-2.10694423	0.277494
1148.81	1132.07	-2.11594423	0.277194
1145.78	1129.05	-2.12444423	0.276854
1142.96	1126.25	-2.13254423	0.276564
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1126.6	1110.07	-2.18204423	0.274924
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1120.73	1104.29	-2.19364423	0.274154
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913.202	898.188	-2.17874423	0.248494
895.609	880.69	-2.17504423	0.246394
877.666	862.843	-2.17114423	0.244174
859.461	844.735	-2.16714423	0.241924
841.085	826.458	-2.16304423	0.239634
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804.189	789.761	-2.15464423	0.234984
785.849	771.521	-2.15044423	0.232694
767.696	753.469	-2.14624423	0.230414
749.812	735.685	-2.14204423	0.228124
732.271	718.245	-2.13794423	0.225924
715.143	701.216	-2.13384423	0.223684
698.485	684.658	-2.12984423	0.221504
682.348	668.62	-2.12594423	0.219364
666.774	653.144	-2.12224423	0.217344
651.793	638.259	-2.11854423	0.215244
637.423	623.985	-2.11514423	0.213334
623.674	610.331	-2.11184423	0.211404
610.545	597.295	-2.10874423	0.209534
598.022	584.865	-2.10594423	0.207814
586.083	573.017	-2.10334423	0.206134
574.697	561.721	-2.10094423	0.204454
563.824	550.937	-2.09874423	0.202784
553.416	540.616	-2.09694423	0.201294
543.42	530.705	-2.09534423	0.199764
533.776	521.145	-2.09404423	0.198274
524.422	511.875	-2.09304423	0.196824
515.293	502.828	-2.09234423	0.195374
506.324	493.938	-2.09204423	0.194034
497.448	485.142	-2.09204423	0.192664
488.603	476.375	-2.09234423	0.191254
479.728	467.576	-2.09304423	0.189884
470.767	458.691	-2.09414423	0.188544
461.67	449.669	-2.09554423	0.187124
452.392	440.465	-2.09744423	0.185794
442.898	431.044	-2.09964423	0.184354
433.158	421.377	-2.10234423	0.182974
423.152	411.442	-2.10534423	0.181454
412.867	401.229	-2.10884423	0.179964
402.299	390.732	-2.11284423	0.178504
391.452	379.956	-2.11724423	0.176964
380.338	368.913	-2.12214423	0.175414
368.975	357.621	-2.12754423	0.173854
357.389	346.106	-2.13344423	0.172274
345.61	334.398	-2.13984423	0.170654
333.674	322.533	-2.14674423	0.168994
321.619	310.55	-2.15414423	0.167264
309.488	298.49	-2.16214423	0.165574
297.323	286.397	-2.17074423	0.163904
285.169	274.316	-2.17994423	0.162234
273.07	262.289	-2.18974423	0.160564

261.069	250.359	-2.20004423	0.158784
249.206	238.569	-2.21104423	0.157084
237.522	226.956	-2.22274423	0.155444
226.054	215.559	-2.23494423	0.153654
214.837	204.412	-2.24794423	0.152014
203.907	193.55	-2.26154423	0.150314
193.297	183.006	-2.27584423	0.148634
183.043	172.816	-2.29084423	0.146974
173.178	163.012	-2.30664423	0.145414
163.738	153.631	-2.32304423	0.143764
154.762	144.709	-2.34024423	0.142204
146.288	136.286	-2.35814423	0.140634
138.359	128.403	-2.37674423	0.139054
131.021	121.106	-2.39614423	0.137544
124.324	114.445	-2.41634423	0.136124
118.323	108.474	-2.43724423	0.134684
113.081	103.255	-2.45894423	0.133324
108.665	98.854	-2.48144423	0.132044
105.153	95.3484	-2.50474423	0.130864
102.629	92.822	-2.52874423	0.129674
101.187	91.3683	-2.55354423	0.128604
100.905	91.0757	-2.57914423	0.127644
101.979	92.1021	-2.60554423	0.126834
104.45	94.5256	-2.63264423	0.126064
108.477	98.493	-2.66054423	0.125484
114.203	104.145	-2.68924423	0.125104
121.773	111.628	-2.71864423	0.124844
131.34	121.093	-2.74874423	0.124754
143.058	132.694	-2.77964423	0.124944
157.079	146.583	-2.81114423	0.125274
173.548	162.907	-2.84334423	0.125864
192.604	181.804	-2.87624423	0.126754
214.372	203.397	-2.90974423	0.127894
238.955	227.794	-2.94394423	0.129434
266.439	255.077	-2.97864423	0.131204
296.878	285.305	-3.01384423	0.133264
330.299	318.503	-3.04954423	0.135644
366.693	354.664	-3.08564423	0.138304
406.016	393.744	-3.12224423	0.141374
448.185	435.661	-3.15914423	0.144714
493.078	480.295	-3.19634423	0.148354
540.536	527.487	-3.23384423	0.152334
590.361	577.039	-3.27144423	0.156514
642.318	628.718	-3.30924423	0.161014
696.141	682.259	-3.34704423	0.165674
751.534	737.367	-3.38484423	0.170534
808.175	793.721	-3.42264423	0.175624
865.722	850.979	-3.46024423	0.180774
923.819	908.786	-3.49764423	0.186014
982.1	966.777	-3.53474423	0.191284
1040.2	1024.58	-3.57154423	0.196594
1097.74	1081.84	-3.60784423	0.201774
1154.37	1138.19	-3.64374423	0.206954
1209.72	1193.27	-3.67904423	0.211964
1263.47	1246.75	-3.71384423	0.216914

1315.29	1298.3	-3.74784423	0.221534
1364.87	1347.63	-3.78114423	0.225944
1411.93	1394.45	-3.81364423	0.230064
1456.21	1438.49	-3.84534423	0.233914
1497.47	1479.53	-3.87614423	0.237424
1535.51	1517.37	-3.90594423	0.240504
1570.15	1551.82	-3.93484423	0.243284
1601.25	1582.74	-3.96264423	0.245574
1628.72	1610.04	-3.98944423	0.247504
1652.47	1633.64	-4.01514423	0.248984
1672.49	1653.52	-4.03974423	0.250054
1688.78	1669.69	-4.06324423	0.250724
1701.39	1682.19	-4.08554423	0.250914
1710.41	1691.11	-4.10674423	0.250744
1715.97	1696.59	-4.12674423	0.250144
1718.24	1698.78	-4.14564423	0.249234
1717.41	1697.89	-4.16334423	0.247934
1713.72	1694.14	-4.17994423	0.246364
1707.43	1687.81	-4.19524423	0.244354
1698.84	1679.18	-4.20954423	0.242224
1688.26	1668.57	-4.22264423	0.239784
1676.02	1656.31	-4.23474423	0.237274
1662.48	1642.75	-4.24564423	0.234504
1647.98	1628.24	-4.25544423	0.231604
1632.89	1613.15	-4.26424423	0.228684
1617.57	1597.83	-4.27204423	0.225764
1602.38	1582.63	-4.27874423	0.222764
1587.66	1567.91	-4.28454423	0.219914
1573.73	1553.98	-4.28924423	0.217014
1560.91	1541.16	-4.29304423	0.214294
1549.47	1529.72	-4.29594423	0.211764
1539.66	1519.92	-4.29784423	0.209334
1531.72	1511.97	-4.29884423	0.207114
1525.81	1506.06	-4.29904423	0.205224
1522.09	1502.33	-4.29824423	0.203464
1520.66	1500.88	-4.29654423	0.201954
1521.58	1501.79	-4.29404423	0.200784
1524.88	1505.07	-4.29054423	0.199774
1530.53	1510.7	-4.28614423	0.199024
1538.48	1518.62	-4.28094423	0.198634
1548.62	1528.73	-4.27474423	0.198414
1560.82	1540.9	-4.26774423	0.198554
1574.92	1554.96	-4.25964423	0.198754
1590.71	1570.71	-4.25074423	0.199324
1607.97	1587.92	-4.24084423	0.200054
1626.45	1606.35	-4.22984423	0.200844
1645.87	1625.72	-4.21794423	0.201894
1665.95	1645.74	-4.20494423	0.202984
1686.39	1666.13	-4.19094423	0.204224
1706.89	1686.57	-4.17584423	0.205514
1727.14	1706.77	-4.15964423	0.206834
1746.84	1726.42	-4.14234423	0.208174
1765.65	1745.21	-4.12384423	0.209444
1783.24	1762.78	-4.10424423	0.210724
1799.26	1778.78	-4.08334423	0.211794

1813.39	1792.89	-4.06134423	0.212834
1825.33	1804.82	-4.03814423	0.213724
1834.83	1814.31	-4.01364423	0.214374
1841.67	1821.16	-3.98794423	0.214844
1845.7	1825.19	-3.96104423	0.215124
1846.77	1826.28	-3.93294423	0.215214
1844.82	1824.35	-3.90354423	0.214984
1839.82	1819.37	-3.87284423	0.214444
1831.78	1811.37	-3.84104423	0.213754
1820.77	1800.4	-3.80804423	0.212834
1806.9	1786.59	-3.77374423	0.211544
1790.34	1770.08	-3.73844423	0.210204
1771.27	1751.07	-3.70184423	0.208484
1749.93	1729.8	-3.66424423	0.206694
1726.58	1706.53	-3.62554423	0.204714
1701.52	1681.54	-3.58584423	0.202644
1675.05	1655.16	-3.54504423	0.200374
1647.52	1627.71	-3.50334423	0.198094
1619.26	1599.55	-3.46074423	0.195814
1590.63	1571.01	-3.41714423	0.193414
1561.98	1542.46	-3.37274423	0.191084
1533.66	1514.23	-3.32754423	0.188834
1505.99	1486.66	-3.28154423	0.186644
1479.26	1460.05	-3.23484423	0.184614
1453.69	1434.6	-3.18744423	0.182714
1429.45	1410.48	-3.13934423	0.180934
1406.67	1387.82	-3.09064423	0.179344
1385.45	1366.72	-3.04134423	0.177934
1365.86	1347.25	-2.99154423	0.176774
1347.94	1329.44	-2.94114423	0.175724
1331.67	1313.29	-2.89014423	0.174784
1317.02	1298.76	-2.83874423	0.174114
1303.93	1285.78	-2.78684423	0.173574
1292.29	1274.25	-2.73444423	0.173154
1281.97	1264.04	-2.68164423	0.172914
1272.83	1255	-2.62844423	0.172814
1264.68	1246.96	-2.57484423	0.172834
1257.32	1239.7	-2.52084423	0.172944
1250.55	1233.04	-2.46644423	0.173094
1244.13	1226.73	-2.41164423	0.173264
1237.84	1220.54	-2.35654423	0.173504
1231.43	1214.24	-2.30104423	0.173704
1224.67	1207.6	-2.24524423	0.173904
1217.33	1200.36	-2.18904423	0.173984
1209.17	1192.33	-2.13264423	0.174104
1199.99	1183.26	-2.07584423	0.174034
1189.58	1172.98	-2.01874423	0.173844
1177.78	1161.3	-1.96144423	0.173584
1164.41	1148.07	-1.90384423	0.173134
1149.35	1133.14	-1.84594423	0.172464
1132.5	1116.43	-1.78784423	0.171634
1113.77	1097.85	-1.72954423	0.170624
1093.12	1077.35	-1.67114423	0.169494
1070.55	1054.93	-1.61244423	0.168024
1046.07	1030.6	-1.55374423	0.166494

1019.72	1004.42	-1.49494423	0.164754
991.587	976.457	-1.43604423	0.162804
961.783	946.825	-1.37704423	0.160604
930.442	915.659	-1.31814423	0.158334
897.726	883.121	-1.25924423	0.155874
863.818	849.394	-1.20054423	0.153404
828.919	814.678	-1.14184423	0.150704
793.246	779.192	-1.08334423	0.14795
757.029	743.161	-1.02504423	0.145123
720.503	706.823	-0.96704423	0.142304
683.904	670.414	-0.90924423	0.139374
647.471	634.17	-0.85184423	0.136515
611.433	598.321	-0.79484423	0.133706
576.01	563.087	-0.73824423	0.130929
541.407	528.672	-0.68204423	0.128163
507.81	495.263	-0.62634423	0.125487
475.384	463.024	-0.57124423	0.122981
444.267	432.092	-0.51664423	0.120522
414.569	402.578	-0.46274423	0.118286
386.37	374.561	-0.40934423	0.11605
359.715	348.087	-0.35664423	0.113986
334.618	323.171	-0.30464423	0.112069
311.058	299.791	-0.25344423	0.110369
288.981	277.892	-0.20284423	0.108657
268.299	257.388	-0.15304423	0.1071
248.895	238.16	-0.10404423	0.105668
230.621	220.063	-0.05584423	0.104324
213.307	202.926	-0.00844423	0.103035
196.759	186.554	0.03805577	0.101864
180.77	170.74	0.08375577	0.100675
165.117	155.263	0.12865577	0.099429
149.575	139.897	0.17255577	0.09829
133.918	124.415	0.21565577	0.09702
117.927	108.598	0.25785577	0.095682
101.395	92.2389	0.29915577	0.094238
84.1369	75.1521	0.33945577	0.092754
65.9924	57.1766	0.37885577	0.091096
46.8343	38.1848	0.41725577	0.089332
26.5742	18.0875	0.45465577	0.087433
5.16855	-3.15983	0.49105577	0.08537
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-65.5572	-73.4435	0.59405577	0.078177
-90.8518	-98.6031	0.62625577	0.075452
-116.555	-124.176	0.65725577	0.072675
-142.161	-149.65	0.68715577	0.06974
-166.807	-174.142	0.71585577	0.06674
-188.825	-195.929	0.74335577	0.063675
-204.681	-211.338	0.76965577	0.06054
-208.153	-214.426	0.79465577	0.057431
-179.35	-183.485	0.81845577	0.054228
-100.589	-103.758	0.84105577	0.050881
30.84	23.7951	0.86255577	0.047192
148.3	131.589	0.88315577	0.042822
117.835	103.425	0.90285577	0.037668

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-142.533	-141.997	0.95615577	0.018567
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83.3597	67.4713	0.98635577	0.004089
117.105	95.4491	1.00005577	-0.00399
-6.06866	-10.919	1.01285577	-0.01268
-105.574	-97.7223	1.02465577	-0.02175
-67.9989	-63.1258	1.03545577	-0.03105
60.0007	42.1645	1.04515577	-0.04049
98.577	70.7406	1.05395577	-0.05031
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-4.04102	-8.78961	1.07455577	-0.08095
87.9314	54.89	1.07945577	-0.09124
24.2928	10.0993	1.08345577	-0.10164
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-18.4169	-17.8639	1.08855577	-0.12207
75.0983	40.4696	1.08955577	-0.13185
30.7961	11.931	1.08965577	-0.14145
-54.841	-37.9061	1.08885577	-0.15079
-10.0732	-11.372	1.08695577	-0.15953
68.8917	31.8696	1.08415577	-0.16784
24.404	6.6064	1.08045577	-0.1757
-43.7545	-28.2872	1.07575577	-0.18291
3.91607	-3.43439	1.07005577	-0.18938
64.5982	26.0015	1.06345577	-0.19516
17.9422	2.77671	1.05595577	-0.20023
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14.0135	1.24901	1.03795577	-0.20758
60.2161	22.048	1.02755577	-0.20984
16.5558	2.62218	1.01625577	-0.21114
-22.9539	-16.3177	1.00395577	-0.21131
16.7776	2.17375	0.99075577	-0.21038
55.479	20.2306	0.97665577	-0.2083
22.8504	6.94628	0.96155577	-0.20495
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14.1658	1.31673	0.92865577	-0.1945
50.491	22.1803	0.91085577	-0.18729
38.7308	18.1034	0.89205577	-0.17862
9.638	2.39282	0.87245577	-0.16865
17.3999	6.64462	0.85185577	-0.15713
46.3081	25.8083	0.83045577	-0.14422
63.3721	41.9517	0.80815577	-0.12979
64.6158	49.8221	0.78495577	-0.11383
73.2305	61.5231	0.76095577	-0.09641
102.513	90.6037	0.73605577	-0.07739
152.712	140.782	0.71045577	-0.05698
223.128	212.056	0.68405577	-0.03506
315.442	304.237	0.65695577	-0.01176
431.229	421.636	0.62935577	0.012687
579.782	571.357	0.60135577	0.03814
766.086	753.724	0.57315577	0.06433
974.264	959.15	0.54475577	0.091171
1188.43	1170.81	0.51665577	0.118065

1396.25	1378.42	0.48885577	0.144909
1592.06	1574.51	0.46175577	0.171208
1780.97	1763.19	0.43555577	0.196672
1972.27	1954.24	0.41055577	0.220918
2156.7	2137.32	0.38695577	0.243664
2320.5	2301.68	0.36495577	0.264633
2458.92	2439.5	0.34485577	0.283464
2568.58	2549.06	0.32685577	0.29991
2651.94	2632.54	0.31095577	0.31394
2709.03	2690.43	0.29735577	0.325341
2742.2	2722.05	0.28605577	0.334115
2752.4	2731.56	0.27715577	0.340179
2740.12	2720.03	0.27065577	0.343559
2703.97	2685.18	0.26655577	0.344297
2644.46	2624.67	0.26475577	0.342545
2561.19	2542.21	0.26525577	0.338368
2458.21	2438.42	0.26785577	0.33204
2337.85	2318.68	0.27245577	0.323745
2204.55	2185.33	0.27905577	0.313575
2059.72	2040.89	0.28735577	0.301923
1904.88	1886.32	0.29715577	0.289087
1742.16	1723.75	0.30825577	0.275368
1574.66	1556.69	0.32065577	0.260867
1406.05	1388.13	0.33385577	0.246183
1239.13	1221.62	0.34785577	0.231415
1077.19	1059.86	0.36245577	0.216856
922.881	905.95	0.37725577	0.202996
779.007	762.343	0.39225577	0.189916
647.816	631.431	0.40725577	0.177892
531.487	515.257	0.42205577	0.167191
431.754	415.699	0.43655577	0.157971
350.107	334.165	0.45045577	0.150581
287.687	271.84	0.46395577	0.144862
245.413	229.614	0.47675577	0.141141
223.882	208.089	0.48885577	0.13944
220.979	205.179	0.50025577	0.139766
243.575	227.657	0.51095577	0.14212
284.056	268.007	0.52085577	0.14659
343.826	327.594	0.53025577	0.152858
421.612	405.164	0.53895577	0.161094
515.894	499.198	0.54725577	0.170961
624.914	607.963	0.55515577	0.182412
746.75	729.522	0.56275577	0.195298
879.365	861.849	0.57025577	0.209357
1020.65	1002.86	0.57785577	0.224327
1168.36	1150.28	0.58565577	0.24004
1319.99	1301.56	0.59385577	0.256222
1472.74	1454.02	0.60265577	0.272601
1623.91	1604.9	0.61225577	0.288901
1770.91	1751.6	0.62275577	0.304947
1911.27	1891.76	0.63435577	0.320466
2042.87	2023.1	0.64735577	0.335087
2163.7	2143.72	0.66175577	0.348744
2272.13	2251.88	0.67775577	0.361174
2366.58	2346.16	0.69555577	0.372124

2445.62	2425.1	0.71515577	0.381544
2507.83	2487.31	0.73675577	0.389184
2552.02	2531.47	0.76035577	0.395014
2577.2	2556.64	0.78605577	0.398904
2583.01	2562.41	0.81375577	0.400944
2569.6	2549	0.84365577	0.400924
2537.55	2516.98	0.87565577	0.398944
2487.52	2467.08	0.90955577	0.395204
2420.36	2400.07	0.94555577	0.389534
2337.18	2317.08	0.98335577	0.382264
2239.43	2219.53	1.02295577	0.373414
2128.81	2109.15	1.06405577	0.363334
2007.28	1987.87	1.10675577	0.351974
1876.95	1857.83	1.15075577	0.339674
1740.05	1721.21	1.19595577	0.326594
1598.81	1580.24	1.24205577	0.313104
1455.5	1437.21	1.28905577	0.299254
1312.4	1294.39	1.33665577	0.285404
1171.78	1154.07	1.38465577	0.271814
1035.91	1018.49	1.43305577	0.258544
906.96	889.818	1.48145577	0.246044
786.984	770.104	1.52985577	0.234374
677.881	661.246	1.57805577	0.223774
581.341	564.928	1.62595577	0.214374
498.807	482.592	1.67335577	0.206414
431.455	415.41	1.72025577	0.199904
380.173	364.27	1.76655577	0.194974
345.554	329.764	1.81215577	0.191714
327.888	312.182	1.85705577	0.190124
325.419	309.745	1.90125577	0.190184
343.051	327.432	1.94465577	0.191964
374.946	359.33	1.98745577	0.195224
421.94	406.304	2.02945577	0.200124
482.859	467.181	2.07095577	0.206304
556.277	540.54	2.11185577	0.213794
640.542	624.729	2.15235577	0.222314
733.799	717.898	2.19255577	0.231704
834.033	818.035	2.23245577	0.241844
939.1	923.001	2.27235577	0.252364
1046.77	1030.57	2.31225577	0.263144
1154.75	1138.46	2.35225577	0.274004
1260.74	1244.36	2.39265577	0.284524
1362.44	1346.01	2.43335577	0.294714
1457.63	1441.16	2.47465577	0.304154
1544.2	1527.71	2.51665577	0.312654
1620.2	1603.71	2.55935577	0.320124
1683.87	1667.41	2.60285577	0.326364
1733.7	1717.29	2.64735577	0.331104
1768.4	1752.07	2.69275577	0.334344
1786.97	1770.74	2.73915577	0.335944
1789.96	1773.79	2.78655577	0.335834
1773.09	1757.15	2.83505577	0.333874
1740.12	1724.37	2.88445577	0.330234
1690.01	1674.47	2.93485577	0.324774
1623.35	1608.03	2.98605577	0.317714

1541.04	1525.98	3.03805577	0.309034
1444.31	1429.52	3.09075577	0.298854
1334.65	1320.15	3.14405577	0.287304
1213.81	1199.61	3.19775577	0.274614
1083.74	1069.84	3.25175577	0.260934
946.569	932.966	3.30575577	0.246614
804.547	791.244	3.35985577	0.231614
660.029	647.025	3.41355577	0.216504
515.421	502.711	3.46695577	0.201254
373.137	360.715	3.51975577	0.186214
235.552	223.408	3.57185577	0.171574
104.951	93.0728	3.62305577	0.157584
-16.5138	-28.14	3.67315577	0.144524
-126.864	-138.254	3.72205577	0.132534
-224.332	-235.502	3.76965577	0.121764
-307.389	-318.357	3.81575577	0.112464
-374.749	-385.532	3.86035577	0.104654
-425.295	-435.914	3.90345577	0.098354
-457.674	-468.169	3.94475577	0.093864
-468.501	-478.959	3.98445577	0.090974
-445.251	-455.684	4.02255577	0.089644
-345.989	-355.28	4.05895577	0.089924
-93.2349	-99.3179	4.09385577	0.091484
242.202	229.49	4.12755577	0.093764
315.613	296.336	4.16035577	0.096204
38.2721	33.5843	4.19245577	0.098544
-110.913	-121.776	4.22345577	0.101274
-132.629	-143.762	4.25335577	0.104494
-77.8267	-89.0523	4.28195577	0.108394
18.1863	8.60834	4.30945577	0.112674
130.137	122.104	4.33595577	0.117134
203.572	197.2	4.36155577	0.121534
213.907	206.71	4.38625577	0.125774
197.061	183.788	4.41015577	0.129714
217.549	207.25	4.43325577	0.133324
280.881	273.145	4.45565577	0.136454
344.278	339.018	4.47735577	0.139014
371.424	360.547	4.49835577	0.140934
374.677	362.216	4.51875577	0.142054
388.545	380.585	4.53865577	0.142254
408.288	401.322	4.55785577	0.141704
404.038	394.8	4.57665577	0.140074
386.049	374.549	4.59485577	0.137554
367.629	359.304	4.61245577	0.134154
345.393	338.266	4.62945577	0.129894
308.148	299.86	4.64595577	0.124684
261.041	251.106	4.66175577	0.118784
212.928	203.675	4.67675577	0.112324
165.667	157.011	4.69105577	0.105284
114.549	106.373	4.70455577	0.097794
57.8728	49.3915	4.71715577	0.090044
-2.14543	-10.801	4.72875577	0.082194
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-111.658	-120.608	4.74895577	0.066474
-150.656	-160.263	4.75735577	0.058944

-142.24	-152.261	4.76455577	0.051784
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75.7919	67.8996	4.77545577	0.038434
147.799	144.255	4.77945577	0.031834
43.9147	34.3692	4.78265577	0.025064
-97.4473	-108.816	4.78485577	0.018414
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-19.3348	-28.9497	4.78585577	0.006364
129.627	120.476	4.78475577	0.000844
81.87	71.4304	4.78275577	-0.00458
-68.5108	-78.0966	4.77985577	-0.00985
-109.997	-117.734	4.77585577	-0.01464
10.1185	1.3946	4.77075577	-0.0189
118.964	104.177	4.76465577	-0.02279
36.3741	23.724	4.75765577	-0.02643
-94.2581	-97.7774	4.74965577	-0.02966
-62.3727	-67.0268	4.74055577	-0.03226
64.8936	51.1671	4.73045577	-0.03434
104.484	84.0862	4.71945577	-0.03604
-14.0283	-20.9606	4.70745577	-0.03725
-76.0405	-78.2295	4.69445577	-0.03788
-15.9507	-22.1002	4.68045577	-0.03789
96.7159	70.5367	4.66545577	-0.03727
76.7113	54.5547	4.64945577	-0.03607
-8.37985	-14.3972	4.63255577	-0.03437
-47.5241	-52.9125	4.61465577	-0.03198
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51.9969	35.0496	4.57585577	-0.02507
90.277	71.9992	4.55505577	-0.02065
80.1809	66.4032	4.53325577	-0.01556
60.9749	53.2478	4.51065577	-0.00995
71.0537	64.5622	4.48715577	-0.00372
120.481	115.507	4.46275577	0.003164
206.886	201.341	4.43755577	0.010554
312.199	300.472	4.41165577	0.018324
403.554	384.3	4.38515577	0.026314
468.432	456.435	4.35815577	0.034394
543.764	538.76	4.33075577	0.042434
642.814	628.812	4.30305577	0.050294
729.394	711.691	4.27525577	0.057724
800.104	792.005	4.24725577	0.064804
878.29	864.992	4.21925577	0.071294
940.963	921.892	4.19135577	0.077074
981.345	974.291	4.16365577	0.082014
1033.14	1016.84	4.13615577	0.086124
1068.6	1053.08	4.10895577	0.089274
1091.97	1081.69	4.08205577	0.091484
1115.02	1096.94	4.05555577	0.092644
1117.87	1106.64	4.02935577	0.092864
1118.35	1103.84	4.00365577	0.091964
1109.44	1094.2	3.97825577	0.090164
1089.71	1077.78	3.95325577	0.087394
1068.04	1052.5	3.92865577	0.083684
1035.93	1022.79	3.90425577	0.079254
1000.28	986.597	3.88025577	0.073954

960.752	946.52	3.85645577	0.068004
916.44	902.981	3.83295577	0.061364
870.49	856.796	3.80945577	0.054364
822.998	809.132	3.78615577	0.046844
774.248	760.731	3.76285577	0.039034
726.163	712.65	3.73945577	0.031094
679.453	665.805	3.71595577	0.023044
634.504	621.083	3.69245577	0.014824
592.685	579.276	3.66865577	0.006764
554.701	541.296	3.64455577	-0.00109
521.032	507.632	3.62025577	-0.00883
492.24	478.947	3.59555577	-0.01622
469.045	455.737	3.57055577	-0.02333
451.721	438.414	3.54505577	-0.02996
440.464	427.153	3.51915577	-0.03619
435.295	421.999	3.49285577	-0.04199
436.739	423.421	3.46615577	-0.04738
444.248	430.89	3.43895577	-0.05223
457.701	444.306	3.41135577	-0.05666
476.8	463.37	3.38345577	-0.06075
501.176	487.687	3.35505577	-0.06432
530.318	516.751	3.32635577	-0.06756
563.619	549.984	3.29725577	-0.07039
600.475	586.765	3.26795577	-0.07302
640.222	626.421	3.23845577	-0.07545
682.123	668.228	3.20875577	-0.0777
725.438	711.46	3.17885577	-0.07977
769.451	755.376	3.14895577	-0.08189
813.413	799.242	3.11905577	-0.08406
856.597	842.343	3.08915577	-0.0863
898.334	883.989	3.05935577	-0.08871
937.961	923.532	3.02965577	-0.09131
974.875	960.372	3.00015577	-0.0942
1008.54	993.967	2.97095577	-0.0975
1038.48	1023.84	2.94195577	-0.10111
1064.29	1049.59	2.91325577	-0.10513
1085.64	1070.9	2.88485577	-0.10957
1102.3	1087.51	2.85685577	-0.11453
1114.09	1099.27	2.82925577	-0.12001
1120.94	1106.1	2.80205577	-0.12599
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1112.3	1097.43	2.72275577	-0.14685
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1083.97	1069.11	2.67185577	-0.16312
1063.93	1049.09	2.64695577	-0.17188
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985.481	970.742	2.57395577	-0.19995
954.915	940.219	2.55015577	-0.2098
923.065	908.414	2.52645577	-0.2197
890.512	875.908	2.50295577	-0.22971
857.839	843.285	2.47955577	-0.23973
825.626	811.122	2.45625577	-0.24971
794.437	779.982	2.43295577	-0.25954

764.81	750.402	2.40965577	-0.2692
737.243	722.885	2.38635577	-0.27866
712.183	697.875	2.36285577	-0.2877
690.023	675.758	2.33935577	-0.29649
671.098	656.871	2.31565577	-0.30483
655.686	641.491	2.29185577	-0.31278
644	629.832	2.26785577	-0.32024
636.192	622.042	2.24365577	-0.32719
632.338	618.202	2.21925577	-0.3336
631.9	617.768	2.19465577	-0.33947
636.471	622.34	2.16985577	-0.34478
644.274	630.135	2.14485577	-0.34952
655.67	641.517	2.11975577	-0.35377
670.41	656.236	2.09435577	-0.35733
688.191	673.989	2.06885577	-0.36038
708.659	694.426	2.04325577	-0.36292
731.403	717.143	2.01755577	-0.36493
755.975	741.681	1.99175577	-0.36641
781.889	767.559	1.96595577	-0.36746
808.648	794.277	1.94005577	-0.36797
835.743	821.331	1.91425577	-0.36813
862.675	848.218	1.88845577	-0.36786
888.954	874.452	1.86275577	-0.36724
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1007.46	992.261	1.50305577	-0.32738
995.884	980.649	1.48115577	-0.32283
983.213	967.947	1.45955577	-0.31805
969.87	954.575	1.43815577	-0.31296
956.285	940.963	1.41695577	-0.30754
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930.106	914.738	1.37515577	-0.29574
918.334	902.946	1.35445577	-0.28927
907.944	892.537	1.33395577	-0.28251
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892.583	877.144	1.29325577	-0.26785
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885.928	870.458	1.25295577	-0.25179
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889.337	873.857	1.21315577	-0.23463
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915.773	902.364	0.83855577	-0.08715
876.417	863.217	0.82315577	-0.08612
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782.111	769.326	0.79265577	-0.08606
728.075	715.499	0.77745577	-0.08694
670.264	657.895	0.76215577	-0.08829
609.415	597.252	0.74665577	-0.09
546.35	534.393	0.73095577	-0.09205
481.954	470.202	0.71495577	-0.09435
417.158	405.606	0.69865577	-0.09686
352.911	341.555	0.68175577	-0.09929
290.164	278.998	0.66445577	-0.10182
229.847	218.865	0.64655577	-0.10424
172.853	162.044	0.62795577	-0.10643
120.016	109.371	0.60865577	-0.1084
72.1065	61.6114	0.58855577	-0.11004
29.8165	19.4542	0.56755577	-0.11125
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86.8667	80.2392	0.27315577	-0.09761
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115.977	109.261	0.20775577	-0.09287
107.673	98.4364	0.17385577	-0.0907
95.7814	85.8139	0.13925577	-0.08878
86.8393	76.9678	0.10375577	-0.08687
82.462	72.8685	0.06755577	-0.08517
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82.3796	73.021	-0.00714423	-0.08208
83.9393	74.5122	-0.04574423	-0.08055
85.8022	76.2781	-0.08504423	-0.07913

88.1191	78.4935	-0.12514423	-0.07769
91.2411	81.5438	-0.16594423	-0.0763
95.5263	85.757	-0.20754423	-0.07482
101.191	91.3529	-0.24984423	-0.07331
108.343	98.4131	-0.29284423	-0.07176
116.993	106.96	-0.33664423	-0.07001
127.136	116.982	-0.38104423	-0.06823
138.771	128.489	-0.42624423	-0.06619
151.934	141.517	-0.47204423	-0.06406
166.694	156.139	-0.51844423	-0.06181
183.135	172.438	-0.56554423	-0.0593
201.324	190.479	-0.61324423	-0.0566
221.274	210.278	-0.66144423	-0.05378
242.933	231.786	-0.71024423	-0.05073
266.208	254.912	-0.75954423	-0.0475
291.009	279.564	-0.80934423	-0.04409
317.3	305.699	-0.85964423	-0.04048
345.121	333.356	-0.91034423	-0.03673
374.551	362.618	-0.96134423	-0.03293
405.594	393.492	-1.01274423	-0.02897
438.058	425.782	-1.06444423	-0.02492
471.55	459.093	-1.11644423	-0.02078
505.626	492.986	-1.16864423	-0.01662
539.945	527.12	-1.22104423	-0.01243
574.21	561.184	-1.27364423	-0.00821
607.946	594.709	-1.32624423	-0.00412
640.496	627.05	-1.37894423	-6.6E-05
671.254	657.609	-1.43174423	0.003984
699.77	685.917	-1.48444423	0.007844
725.612	711.549	-1.53714423	0.011634
748.365	734.107	-1.58974423	0.015284
767.777	753.34	-1.64234423	0.018914
783.761	769.171	-1.69474423	0.022364
796.405	781.72	-1.74704423	0.025754
806.049	791.28	-1.79914423	0.029014
813.138	798.269	-1.85114423	0.032294
818.088	803.112	-1.90294423	0.035534
821.325	806.282	-1.95464423	0.038854
823.423	808.351	-2.00604423	0.042094
825.072	809.966	-2.05734423	0.045514
826.909	811.742	-2.10844423	0.049024
829.451	814.225	-2.15934423	0.052674
833.176	817.893	-2.21004423	0.056484
838.518	823.153	-2.26044423	0.060404
845.786	830.328	-2.31074423	0.064654
855.202	839.655	-2.36074423	0.069064
866.957	851.312	-2.41044423	0.073644
881.166	865.411	-2.45994423	0.078534
897.857	881.994	-2.50924423	0.083744
917.003	901.025	-2.55814423	0.089084
938.5	922.403	-2.60684423	0.094764
962.18	945.969	-2.65514423	0.100614
987.839	971.513	-2.70304423	0.106624
1015.23	998.788	-2.75064423	0.112904
1044.06	1027.51	-2.79774423	0.119254

1074.03	1057.37	-2.84444423	0.125784
1104.8	1088.03	-2.89064423	0.132404
1136.04	1119.17	-2.93634423	0.139084
1167.41	1150.43	-2.98154423	0.145854
1198.58	1181.5	-3.02614423	0.152604
1229.22	1212.04	-3.07004423	0.159234
1259.03	1241.75	-3.11334423	0.165844
1287.72	1270.36	-3.15594423	0.172324
1315.05	1297.6	-3.19774423	0.178594
1340.79	1323.26	-3.23894423	0.184844
1364.77	1347.15	-3.27924423	0.190784
1386.82	1369.12	-3.31884423	0.196604
1406.84	1389.06	-3.35754423	0.202134
1424.74	1406.89	-3.39534423	0.207364
1440.49	1422.56	-3.43234423	0.212404
1454.07	1436.07	-3.46854423	0.217274
1465.51	1447.45	-3.50374423	0.221774
1474.9	1456.77	-3.53804423	0.226014
1482.31	1464.13	-3.57144423	0.230014
1487.87	1469.63	-3.60394423	0.233794
1491.73	1473.43	-3.63554423	0.237344
1494.05	1475.7	-3.66624423	0.240704
1495.03	1476.61	-3.69594423	0.243774
1494.79	1476.36	-3.72474423	0.246664
1493.62	1475.14	-3.75264423	0.249404
1491.69	1473.17	-3.77964423	0.252004
1489.21	1470.66	-3.80564423	0.254364
1486.39	1467.8	-3.83084423	0.256714
1483.41	1464.79	-3.85514423	0.258964
1480.47	1461.83	-3.87854423	0.261114
1477.75	1459.08	-3.90104423	0.263184
1475.4	1456.7	-3.92274423	0.265284
1473.57	1454.85	-3.94344423	0.267224
1472.38	1453.63	-3.96334423	0.269204
1471.93	1453.15	-3.98244423	0.271244
1472.29	1453.5	-4.00064423	0.273234
1473.54	1454.72	-4.01794423	0.275184
1475.7	1456.86	-4.03444423	0.277204
1478.79	1459.92	-4.05004423	0.279194
1482.79	1463.91	-4.06484423	0.281244
1487.69	1468.78	-4.07874423	0.283274
1493.43	1474.5	-4.09174423	0.285274
1499.94	1480.99	-4.10394423	0.287344
1507.14	1488.17	-4.11524423	0.289384
1514.94	1495.94	-4.12564423	0.291384
1523.21	1504.19	-4.13514423	0.293364
1531.84	1512.8	-4.14374423	0.295294
1540.71	1521.64	-4.15144423	0.297194
1549.66	1530.58	-4.15814423	0.298954
1558.57	1539.47	-4.16404423	0.300764
1567.3	1548.17	-4.16894423	0.302424
1575.69	1556.55	-4.17284423	0.303944
1583.62	1564.46	-4.17584423	0.305404
1590.95	1571.77	-4.17784423	0.306704
1597.56	1578.37	-4.17884423	0.307844

1603.33	1584.12	-4.17884423	0.308834
1608.15	1588.93	-4.17784423	0.309644
1611.92	1592.7	-4.17594423	0.310394
1614.57	1595.34	-4.17294423	0.310874
1616.03	1596.8	-4.16894423	0.311184
1616.3	1597.07	-4.16394423	0.311314
1615.17	1595.95	-4.15794423	0.311274
1612.79	1593.58	-4.15094423	0.311044
1609.09	1589.9	-4.14294423	0.310634
1604.08	1584.92	-4.13404423	0.310144
1597.79	1578.65	-4.12404423	0.309364
1590.24	1571.13	-4.11304423	0.308384
1581.49	1562.41	-4.10114423	0.307314
1571.59	1552.55	-4.08824423	0.306044
1560.61	1541.62	-4.07444423	0.304664
1548.64	1529.69	-4.05974423	0.303184
1535.75	1516.86	-4.04404423	0.301474
1522.05	1503.22	-4.02754423	0.299754
1507.63	1488.85	-4.01014423	0.297904
1492.59	1473.88	-3.99184423	0.295904
1477.04	1458.4	-3.97284423	0.293974
1461.08	1442.5	-3.95294423	0.291884
1444.81	1426.31	-3.93224423	0.289734
1428.34	1409.91	-3.91084423	0.287604
1411.76	1393.41	-3.88864423	0.285394
1395.17	1376.9	-3.86574423	0.283174
1378.64	1360.45	-3.84214423	0.280954
1362.26	1344.16	-3.81784423	0.278714
1346.11	1328.08	-3.79294423	0.276524
1330.23	1312.29	-3.76744423	0.274384
1314.68	1296.82	-3.74124423	0.272184
1299.5	1281.73	-3.71454423	0.270084
1284.73	1267.04	-3.68724423	0.267994
1270.37	1252.78	-3.65944423	0.265974
1256.44	1238.94	-3.63104423	0.263914
1242.94	1225.52	-3.60214423	0.261904
1229.84	1212.51	-3.57284423	0.260004
1217.13	1199.89	-3.54294423	0.258014
1204.75	1187.61	-3.51264423	0.256094
1192.67	1175.62	-3.48194423	0.254234
1180.83	1163.87	-3.45084423	0.252414
1169.16	1152.29	-3.41934423	0.250604
1157.58	1140.81	-3.38734423	0.248684
1146.02	1129.35	-3.35504423	0.246824
1134.39	1117.82	-3.32244423	0.245004
1122.59	1106.12	-3.28944423	0.243094
1110.52	1094.16	-3.25614423	0.241174
1098.08	1081.84	-3.22254423	0.239204
1085.18	1069.04	-3.18864423	0.237174
1071.69	1055.68	-3.15444423	0.235044
1057.52	1041.64	-3.12004423	0.232884
1042.57	1026.81	-3.08534423	0.230574
1026.72	1011.09	-3.05044423	0.228164
1009.87	994.39	-3.01534423	0.225644
991.932	976.6	-2.98004423	0.222974

972.81	957.632	-2.94464423	0.220214
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930.672	915.825	-2.87344423	0.214204
907.507	892.837	-2.83774423	0.210994
882.86	868.375	-2.80194423	0.207544
856.68	842.386	-2.76604423	0.203844
828.925	814.831	-2.73034423	0.200144
799.567	785.68	-2.69454423	0.196114
768.59	754.917	-2.65884423	0.191904
735.989	722.539	-2.62334423	0.187584
701.774	688.553	-2.58794423	0.183014
665.967	652.984	-2.55264423	0.178154
628.607	615.866	-2.51774423	0.173274
589.742	577.252	-2.48304423	0.168114
549.44	537.204	-2.44864423	0.162754
507.78	495.804	-2.41464423	0.157254
464.859	453.148	-2.38104423	0.151564
420.791	409.346	-2.34804423	0.145854
375.707	364.53	-2.31544423	0.139884
329.756	318.847	-2.28344423	0.133824
283.11	272.467	-2.25204423	0.127624
235.963	225.582	-2.22134423	0.121374
188.534	178.41	-2.19134423	0.115024
141.068	131.191	-2.16224423	0.108754
93.8368	84.1985	-2.13384423	0.102344
47.1436	37.7309	-2.10644423	0.096064
1.32021	-7.88153	-2.07994423	0.089794
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-86.2385	-95.0723	-2.03004423	0.077654
-127.157	-135.841	-2.00674423	0.071864
-165.563	-174.127	-1.98454423	0.066254
-200.925	-209.417	-1.96354423	0.060934
-232.552	-241.071	-1.94374423	0.055894
-259.309	-268.1	-1.92514423	0.051154
-278.784	-288.494	-1.90794423	0.046914
-285.055	-297.343	-1.89204423	0.043084
-264.11	-282.348	-1.87744423	0.039654
-190.866	-217.57	-1.86414423	0.036594
-50.8203	-73.2896	-1.85204423	0.033734
100.013	115.965	-1.84094423	0.030744
149.991	193.481	-1.83064423	0.027284
75.1206	72.0706	-1.82114423	0.023324
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-139.262	-169.308	-1.80494423	0.014774
-122.806	-153.775	-1.79844423	0.010634
-39.9831	-56.8865	-1.79314423	0.006764
64.6367	71.841	-1.78874423	0.002844
100.451	127.517	-1.78524423	-0.00119
49.8121	47.7377	-1.78254423	-0.00541
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16.9274	11.7508	-1.78154423	-0.02052
79.5572	96.0642	-1.78384423	-0.02348
65.6976	75.0804	-1.78694423	-0.02631

6.93907	-10.2044	-1.79084423	-0.02897
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48.4417	49.1438	-1.81654423	-0.03403
69.5196	74.3622	-1.82534423	-0.03385
51.2208	43.6486	-1.83494423	-0.03321
16.7683	1.37348	-1.84544423	-0.03193
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6.31914	-7.40068	-1.86924423	-0.02711
33.3542	22.6438	-1.88254423	-0.02347
68.3971	59.222	-1.89674423	-0.019
103.593	94.4274	-1.91184423	-0.01369
138.206	127.557	-1.92774423	-0.00762
175.903	163.917	-1.94434423	-0.00087
222.664	209.22	-1.96174423	0.006674
281.827	267.783	-1.97974423	0.014814
353.283	339.192	-1.99834423	0.023554
433.875	420.007	-2.01744423	0.032794
522.38	508.016	-2.03694423	0.042404
617.291	603.499	-2.05674423	0.052274
716.697	702.645	-2.07664423	0.062184
818.388	803.703	-2.09674423	0.072224
919.789	905.485	-2.11664423	0.081954
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1117.45	1102.57	-2.15594423	0.100574
1209.38	1194.04	-2.17494423	0.109024
1297.56	1282.02	-2.19344423	0.116834
1378.95	1362.79	-2.21134423	0.123904
1449.16	1433.34	-2.22844423	0.130034
1512.1	1495.79	-2.24474423	0.135234
1565.98	1549.21	-2.26014423	0.139444
1609.26	1592.75	-2.27464423	0.142674
1643.42	1626.13	-2.28804423	0.144764
1666.62	1649.59	-2.30054423	0.145944
1680.27	1663.12	-2.31184423	0.145964
1685.07	1668.06	-2.32214423	0.145074
1682.13	1664.67	-2.33124423	0.143114
1671.08	1653.35	-2.33934423	0.140344
1652.1	1634.42	-2.34634423	0.136714
1626.33	1608.5	-2.35234423	0.132394
1594.35	1576.42	-2.35724423	0.127324
1556.91	1539	-2.36124423	0.121764
1515.09	1497.12	-2.36424423	0.115684
1469.77	1451.8	-2.36634423	0.109234
1421.99	1404.06	-2.36764423	0.102574
1372.84	1354.89	-2.36824423	0.095844
1323.29	1305.41	-2.36804423	0.089004
1274.4	1256.54	-2.36724423	0.082304
1227.14	1209.32	-2.36584423	0.075784
1182.48	1164.72	-2.36394423	0.069584
1141.32	1123.6	-2.36154423	0.063754
1104.45	1086.77	-2.35874423	0.058414
1072.55	1054.91	-2.35554423	0.053594
1046.31	1028.69	-2.35194423	0.049324

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1014	996.38	-2.32994423	0.038844
1028.39	1010.73	-2.32474423	0.038974
1049.5	1031.78	-2.31924423	0.039814
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1110.54	1092.67	-2.30724423	0.043514
1149.45	1131.5	-2.30074423	0.046344
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1240.93	1222.76	-2.28634423	0.053494
1292	1273.73	-2.27844423	0.057764
1345.53	1327.14	-2.26984423	0.062244
1400.62	1382.1	-2.26064423	0.067014
1456.38	1437.75	-2.25064423	0.071834
1511.88	1493.13	-2.23994423	0.076784
1566.2	1547.33	-2.22834423	0.081644
1618.46	1599.48	-2.21574423	0.086284
1667.8	1648.71	-2.20224423	0.090784
1713.42	1694.22	-2.18764423	0.094904
1754.58	1735.31	-2.17204423	0.098734
1790.66	1771.3	-2.15524423	0.102044
1821.06	1801.63	-2.13724423	0.104814
1845.3	1825.81	-2.11804423	0.107034
1863.01	1843.48	-2.09764423	0.108674
1873.91	1854.36	-2.07584423	0.109524
1877.85	1858.28	-2.05294423	0.109864
1874.77	1855.21	-2.02864423	0.109404
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1847.92	1828.43	-1.97634423	0.106534
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1359.51	1341.21	-1.61114423	0.056324
1306.32	1288.16	-1.57304423	0.050804
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1357.53	1340.34	-0.53194423	0.050203
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1351.27	1334.83	0.00335577	0.047402
1315.31	1299.01	0.05545577	0.043554
1274.17	1258.01	0.10805577	0.039115
1228.37	1212.37	0.16095577	0.034283
1178.53	1162.68	0.21425577	0.028957
1125.3	1109.62	0.26775577	0.02334
1069.44	1053.93	0.32145577	0.017433
1011.71	996.38	0.37535577	0.011244
952.914	937.763	0.42935577	0.004877
893.862	878.894	0.48335577	-0.00156
835.361	820.575	0.53715577	-0.00786
778.195	763.591	0.59095577	-0.01421
723.113	708.689	0.64445577	-0.02032
670.814	656.568	0.69775577	-0.02628
621.933	607.86	0.75065577	-0.03188
577.004	563.117	0.80325577	-0.03723
536.448	522.752	0.85535577	-0.04213
500.572	487.056	0.90695577	-0.0466
469.568	456.231	0.95805577	-0.05065
443.533	430.366	1.00855577	-0.05419
422.457	409.457	1.05855577	-0.05735
406.234	393.391	1.10785577	-0.05996
394.653	381.964	1.15655577	-0.06212
387.418	374.876	1.20465577	-0.06389
384.144	371.522	1.25205577	-0.06518
383.852	372.109	1.29885577	-0.06613
387.574	375.445	1.34495577	-0.06668
393.173	381.173	1.39045577	-0.06696
400.548	388.674	1.43535577	-0.06703
409.053	397.302	1.47955577	-0.06681
418.029	406.398	1.52325577	-0.06655
426.82	415.308	1.56635577	-0.06619

434.788	423.393	1.60885577	-0.06578
441.326	430.047	1.65085577	-0.06544
445.873	434.71	1.69225577	-0.06513
447.926	436.889	1.73305577	-0.06488
447.052	436.12	1.77345577	-0.06492
442.896	432.078	1.81325577	-0.06508
435.191	424.488	1.85245577	-0.06539
423.761	413.173	1.89125577	-0.06608
408.529	398.055	1.92945577	-0.06697
389.516	379.155	1.96705577	-0.06807
366.84	356.591	2.00405577	-0.06939
340.717	330.58	2.04045577	-0.07095
311.457	301.428	2.07625577	-0.07274
279.451	269.53	2.11135577	-0.07468
245.174	235.357	2.14565577	-0.07665
209.164	199.447	2.17935577	-0.07886
172.019	162.398	2.21225577	-0.08108
134.378	124.848	2.24425577	-0.08322
96.9119	87.4658	2.27545577	-0.08535
60.3098	50.9404	2.30575577	-0.08738
25.2666	15.9646	2.33505577	-0.08917
-7.52508	-16.7705	2.36335577	-0.09072
-37.3774	-46.5801	2.39065577	-0.09201
-63.6005	-72.7787	2.41695577	-0.09304
-85.4759	-94.6546	2.44205577	-0.09359
-102.192	-111.409	2.46615577	-0.09385
-112.705	-122.025	2.48915577	-0.09372
-115.483	-125	2.51095577	-0.0931
-108.16	-117.956	2.53165577	-0.09209
-87.3322	-97.4168	2.55115577	-0.09061
-49.4758	-59.5982	2.56965577	-0.08887
5.44653	-4.07006	2.58705577	-0.08682
67.4791	59.3147	2.60345577	-0.0846
114.037	107.207	2.61895577	-0.08236
124.021	117.33	2.63355577	-0.08014
100.516	90.9372	2.64735577	-0.07804
67.2026	57.0058	2.66025577	-0.07594
44.054	33.8863	2.67215577	-0.07372
36.3952	26.6104	2.68325577	-0.07156
41.8896	32.357	2.69335577	-0.06925
55.5505	46.2908	2.70255577	-0.06688
71.7916	62.705	2.71085577	-0.06446
85.3962	76.2232	2.71825577	-0.06199
93.4299	84.0028	2.72475577	-0.05948
96.6662	86.9681	2.73045577	-0.05702
98.3892	88.6395	2.73515577	-0.0544
101.989	92.298	2.73905577	-0.05182
109.007	99.4303	2.74215577	-0.04926
119.092	109.506	2.74435577	-0.04662
130.717	121.014	2.74575577	-0.04399
142.426	132.533	2.74625577	-0.04127
153.577	143.558	2.74605577	-0.03865
164.457	154.393	2.74495577	-0.03592
175.656	165.584	2.74315577	-0.03327
187.446	177.319	2.74045577	-0.0305

199.59	189.366	2.73715577	-0.02789
211.664	201.332	2.73305577	-0.02525
223.412	212.99	2.72825577	-0.02265
234.827	224.33	2.72265577	-0.01998
245.995	235.42	2.71645577	-0.01745
256.969	246.308	2.70955577	-0.01493
267.825	257.067	2.70205577	-0.01251
278.786	267.936	2.69385577	-0.01008
290.286	279.35	2.68495577	-0.00762
302.828	291.801	2.67545577	-0.00524
316.711	305.574	2.66545577	-0.003
331.807	320.553	2.65475577	-0.0007
347.654	336.289	2.64355577	0.001464
363.77	352.3	2.63175577	0.003614
379.961	368.383	2.61945577	0.005644
396.296	384.596	2.60665577	0.007584
412.743	400.918	2.59335577	0.009434
429.011	417.075	2.57955577	0.011214
444.799	432.762	2.56535577	0.012824
459.998	447.849	2.55065577	0.014374
474.536	462.269	2.53555577	0.015794
488.221	475.852	2.52015577	0.016974
500.855	488.398	2.50425577	0.018134
512.353	499.8	2.48805577	0.019094
522.657	510.016	2.47155577	0.019854
531.712	519.001	2.45465577	0.020544
539.509	526.727	2.43745577	0.021074
546.076	533.22	2.41985577	0.021554
551.445	538.508	2.40205577	0.021804
555.612	542.592	2.38385577	0.022034
558.582	545.503	2.36535577	0.022174
560.475	547.384	2.34665577	0.022124
561.58	548.507	2.32755577	0.022104
562.277	549.208	2.30825577	0.021944
562.898	549.819	2.28865577	0.021744
563.719	550.636	2.26875577	0.021534
565.011	551.931	2.24865577	0.021224
567.036	553.946	2.22825577	0.020934
569.986	556.87	2.20755577	0.020664
573.975	560.832	2.18665577	0.020344
579.086	565.915	2.16555577	0.019974
585.372	572.164	2.14415577	0.019674
592.84	579.589	2.12255577	0.019354
601.456	588.159	2.10065577	0.019124
611.156	597.81	2.07865577	0.018794
621.848	608.448	2.05645577	0.018474
633.412	619.959	2.03405577	0.018164
645.714	632.207	2.01145577	0.017884
658.612	645.051	1.98875577	0.017534
671.953	658.34	1.96585577	0.017214
685.587	671.922	1.94285577	0.016854
699.36	685.645	1.91975577	0.016444
713.121	699.358	1.89665577	0.015894
726.725	712.917	1.87335577	0.015404
740.037	726.187	1.85015577	0.014704

752.93	739.04	1.82675577	0.014074
765.292	751.364	1.80345577	0.013244
777.022	763.059	1.78015577	0.012304
788.036	774.039	1.75675577	0.011384
798.261	784.232	1.73345577	0.010274
807.643	793.585	1.71025577	0.008994
816.145	802.058	1.68705577	0.007664
823.745	809.631	1.66385577	0.006274
830.437	816.297	1.64075577	0.004754
836.233	822.068	1.61775577	0.003104
841.155	826.965	1.59485577	0.001344
845.242	831.029	1.57195577	-0.00041
848.546	834.31	1.54925577	-0.00234
851.129	836.87	1.52665577	-0.00434
853.067	838.783	1.50405577	-0.00628
854.444	840.135	1.48165577	-0.00835
855.353	841.018	1.45935577	-0.01043
855.896	841.535	1.43705577	-0.0124
856.182	841.792	1.41495577	-0.01445
856.323	841.902	1.39295577	-0.01644
856.435	841.98	1.37105577	-0.01837
856.635	842.145	1.34925577	-0.0202
857.043	842.514	1.32755577	-0.02192
857.773	843.203	1.30595577	-0.02349
858.941	844.327	1.28445577	-0.02491
860.656	845.993	1.26305577	-0.02614
863.018	848.304	1.24175577	-0.02716
866.122	851.354	1.22065577	-0.02804
870.039	855.222	1.19955577	-0.02856
874.822	859.952	1.17865577	-0.0289
880.509	865.581	1.15775577	-0.02884
887.126	872.136	1.13705577	-0.02855
894.693	879.637	1.11645577	-0.02792
903.22	888.095	1.09605577	-0.02701
912.709	897.51	1.07575577	-0.02571
923.155	907.879	1.05565577	-0.0241
934.544	919.187	1.03575577	-0.02215
946.855	931.415	1.01595577	-0.01974
960.063	944.535	0.99635577	-0.01696
974.135	958.516	0.97705577	-0.01388
989.033	973.32	0.95795577	-0.01038
1004.69	988.897	0.93905577	-0.00645
1021.05	1005.16	0.92045577	-0.00216
1038	1022.02	0.90215577	0.002486
1055.46	1039.39	0.88415577	0.007514
1073.33	1057.17	0.86645577	0.012931
1091.52	1075.27	0.84905577	0.018746
1109.93	1093.58	0.83205577	0.024869
1128.47	1112.03	0.81555577	0.031206
1147.05	1130.51	0.79935577	0.037963
1165.6	1148.97	0.78355577	0.045044
1184.05	1167.32	0.76825577	0.052353
1202.33	1185.51	0.75345577	0.05989
1220.4	1203.49	0.73905577	0.067755
1238.21	1221.21	0.72525577	0.075747

1255.74	1238.65	0.71195577	0.083961
1272.96	1255.78	0.69925577	0.092292
1289.85	1272.58	0.68705577	0.100835
1306.4	1289.05	0.67555577	0.109379
1322.58	1305.15	0.66455577	0.118116
1338.39	1320.88	0.65425577	0.126831
1353.78	1336.19	0.64455577	0.135612
1368.69	1351.03	0.63555577	0.144344
1383.07	1365.34	0.62725577	0.153008
1396.82	1379.03	0.61965577	0.161586
1409.85	1392	0.61275577	0.170057
1422.05	1404.15	0.60655577	0.1784
1433.3	1415.37	0.60115577	0.186491
1443.47	1425.51	0.59645577	0.194406
1452.43	1434.45	0.59255577	0.202019
1460.02	1442.04	0.58945577	0.209304
1466.08	1448.11	0.58715577	0.216234
1470.45	1452.49	0.58555577	0.22288
1472.95	1455.02	0.58485577	0.229014
1473.44	1455.53	0.58495577	0.234708
1471.61	1453.78	0.58575577	0.240032
1467.41	1449.66	0.58745577	0.244759
1460.65	1442.98	0.58995577	0.248959
1451.15	1433.58	0.59315577	0.252704
1438.79	1421.33	0.59715577	0.255867
1423.45	1406.11	0.60195577	0.258422
1405.04	1387.83	0.60755577	0.260342
1383.52	1366.45	0.61375577	0.261803
1358.86	1341.95	0.62065577	0.262681
1331.1	1314.35	0.62825577	0.262954
1300.29	1283.71	0.63645577	0.262701
1266.56	1250.15	0.64525577	0.261901
1230.04	1213.82	0.65465577	0.260536
1190.93	1174.9	0.66445577	0.25879
1149.45	1133.62	0.67475577	0.256546
1105.87	1090.25	0.68545577	0.253889
1060.49	1045.07	0.69645577	0.250905
1013.62	998.408	0.70785577	0.247481
965.61	950.612	0.71935577	0.243906
916.831	902.047	0.73115577	0.239968
867.659	853.091	0.74295577	0.235955
818.479	804.126	0.75485577	0.231756
769.677	755.539	0.76675577	0.22746
721.629	707.706	0.77865577	0.223054
674.701	660.991	0.79035577	0.218734
629.236	615.737	0.80185577	0.214474
585.552	572.261	0.81315577	0.210264
543.934	530.849	0.82425577	0.206094
504.63	491.748	0.83485577	0.202244
467.843	455.161	0.84515577	0.198484
433.733	421.247	0.85505577	0.194914
402.406	390.113	0.86445577	0.191604
373.92	361.816	0.87335577	0.188524
348.277	336.358	0.88165577	0.185754
325.427	313.69	0.88945577	0.183164

305.271	293.711	0.89665577	0.180824
287.657	276.271	0.90315577	0.178804
272.39	261.174	0.90905577	0.176974
259.236	248.186	0.91435577	0.175294
247.924	237.035	0.91885577	0.173924
238.158	227.425	0.92275577	0.172634
229.619	219.039	0.92595577	0.171484
221.981	211.548	0.92845577	0.170454
214.913	204.622	0.93015577	0.169584
208.091	197.935	0.93125577	0.168644
201.206	191.181	0.93145577	0.167904
193.974	184.071	0.93105577	0.167034
186.138	176.352	0.92985577	0.166194
177.481	167.806	0.92785577	0.165354
167.829	158.257	0.92515577	0.164384
157.055	147.579	0.92155577	0.163474
145.084	135.697	0.91725577	0.162394
131.895	122.589	0.91215577	0.161214
117.524	108.293	0.90615577	0.160024
102.061	92.8963	0.89935577	0.158724
85.651	76.5451	0.89165577	0.157394
68.4904	59.4353	0.88315577	0.155924
50.8242	41.8113	0.87365577	0.154514
32.947	23.9626	0.86335577	0.152974
15.2076	6.23509	0.85205577	0.151494
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-15.3357	-25.7295	0.63785577	0.144399
14.167	4.23786	0.61345577	0.145096
46.5873	37.7803	0.58805577	0.146025
76.7199	69.4162	0.56175577	0.147092
99.2611	92.6334	0.53465577	0.148208
112.674	104.755	0.50675577	0.149399
120.196	110.345	0.47805577	0.150703
127.734	116.642	0.44855577	0.152168
139.607	128.297	0.41835577	0.153745
156.855	145.84	0.38735577	0.155587
178.261	167.508	0.35555577	0.157745
202.445	191.595	0.32315577	0.160071
228.986	217.79	0.29005577	0.162717
258.274	246.755	0.25635577	0.165632
290.771	279.032	0.22205577	0.168869
326.586	314.657	0.18715577	0.172478
365.589	353.421	0.15175577	0.176406
407.619	395.18	0.11595577	0.180599
452.607	439.888	0.07975577	0.185103

500.505	487.509	0.04315577	0.189957
551.182	537.897	0.00625577	0.195101
604.39	590.816	-0.03074423	0.20037
659.863	646.005	-0.06804423	0.205998
717.297	703.151	-0.10534423	0.211713
776.267	761.826	-0.14274423	0.217645
836.185	821.464	-0.18004423	0.223618
896.336	881.334	-0.21714423	0.229553
955.986	940.719	-0.25414423	0.235574
1014.59	999.078	-0.29094423	0.241598
1071.68	1055.93	-0.32734423	0.247446
1126.74	1110.78	-0.36334423	0.253135
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1458.08	1440.73	-0.62984423	0.287974
1482.59	1465.12	-0.65974423	0.290545
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1519.09	1501.4	-0.71694423	0.294384
1531.1	1513.31	-0.74414423	0.295592
1539.04	1521.17	-0.77044423	0.296385
1543.03	1525.09	-0.79584423	0.296785
1543.59	1525.62	-0.82024423	0.296711
1539.85	1521.81	-0.84374423	0.296286
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1441.18	1423.06	-0.98334423	0.285433
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1477.68	1459.54	-1.20604423	0.284053
1485.85	1467.71	-1.20214423	0.28474
1491.62	1473.48	-1.19734423	0.285093
1494.8	1476.67	-1.19184423	0.285298
1495.39	1477.27	-1.18544423	0.285146
1492.99	1474.9	-1.17814423	0.284627
1487.88	1469.82	-1.17014423	0.283932
1479.96	1461.93	-1.16124423	0.282853
1469.27	1451.29	-1.15164423	0.281583
1455.93	1438	-1.14114423	0.279916
1440.07	1422.19	-1.12994423	0.278048
1421.87	1404.05	-1.11794423	0.275875
1401.54	1383.79	-1.10524423	0.273493
1379.34	1361.65	-1.09184423	0.270901
1355.54	1337.92	-1.07774423	0.268096
1330.45	1312.91	-1.06304423	0.265179
1304.38	1286.92	-1.04764423	0.262048
1277.68	1260.3	-1.03174423	0.258904
1250.7	1233.4	-1.01534423	0.255746
1223.76	1206.55	-0.99834423	0.252474
1197.22	1180.09	-0.98084423	0.249188
1171.41	1154.36	-0.96294423	0.245987
1146.64	1129.67	-0.94464423	0.242872
1123.19	1106.3	-0.92604423	0.23994
1101.33	1084.53	-0.90694423	0.236988
1081.3	1064.57	-0.88764423	0.234316
1063.28	1046.62	-0.86794423	0.231717
1047.42	1030.84	-0.84804423	0.229386
1033.84	1017.33	-0.82784423	0.227218
1022.6	1006.15	-0.80744423	0.225305
1013.72	997.336	-0.78684423	0.223637
1007.17	990.847	-0.76594423	0.222103
1002.87	986.61	-0.74494423	0.220891
1000.71	984.505	-0.72364423	0.219786
1000.38	984.203	-0.70224423	0.218974
1002.1	986.001	-0.68064423	0.218335
1005.2	989.157	-0.65874423	0.217753
1009.56	993.566	-0.63674423	0.217404
1014.87	998.927	-0.61454423	0.217168
1020.8	1004.92	-0.59204423	0.21692
1027.02	1011.19	-0.56944423	0.216835
1033.18	1017.4	-0.54654423	0.216687
1038.9	1023.19	-0.52344423	0.216547
1043.85	1028.2	-0.50014423	0.216389

1047.67	1032.09	-0.47654423	0.216083
1050.04	1034.53	-0.45274423	0.215699
1050.63	1035.19	-0.42874423	0.215207
1049.16	1033.81	-0.40444423	0.214479
1045.38	1030.12	-0.37984423	0.213484
1039.08	1023.92	-0.35514423	0.212394
1030.08	1015.02	-0.33014423	0.210981
1018.26	1003.3	-0.30484423	0.209218
1003.53	988.685	-0.27944423	0.207277
985.858	971.135	-0.25384423	0.205036
965.272	950.673	-0.22804423	0.202471
941.841	927.371	-0.20214423	0.199661
915.688	901.351	-0.17614423	0.196585
886.985	872.785	-0.15004423	0.193226
855.948	841.89	-0.12394423	0.189667
822.841	808.926	-0.09784423	0.185894
787.966	774.196	-0.07174423	0.181892
751.662	738.037	-0.04574423	0.177752
714.298	700.818	-0.01984423	0.173461
676.264	662.931	0.00585577	0.169111
637.968	624.78	0.03135577	0.164692
599.818	586.776	0.05665577	0.160198
562.221	549.324	0.08155577	0.155821
525.572	512.819	0.10615577	0.151455
490.246	477.635	0.13035577	0.147193
456.588	444.118	0.15405577	0.143128
424.912	412.58	0.17735577	0.139154
395.491	383.293	0.20015577	0.135362
368.553	356.487	0.22245577	0.131743
344.281	332.342	0.24415577	0.128389
322.806	310.99	0.26515577	0.125389
304.208	292.51	0.28565577	0.122529
288.518	276.932	0.30545577	0.119997
275.713	264.234	0.32455577	0.117778
265.723	254.345	0.34305577	0.115755
258.433	247.148	0.36085577	0.11401
253.682	242.486	0.37795577	0.112525
251.274	240.16	0.39435577	0.111279
250.878	239.801	0.41005577	0.110251
252.533	241.562	0.42505577	0.109419
255.659	244.751	0.43935577	0.108762
260.058	249.207	0.45295577	0.108256
265.426	254.625	0.46585577	0.107879
271.454	260.698	0.47815577	0.10751
277.838	267.122	0.48975577	0.107227
284.288	273.606	0.50075577	0.106912
290.528	279.875	0.51105577	0.106644
296.309	285.68	0.52075577	0.106309
301.409	290.799	0.52975577	0.105991
305.641	295.045	0.53815577	0.105577
308.855	298.268	0.54595577	0.10506
310.944	300.362	0.55315577	0.10443
311.843	301.261	0.55975577	0.103685
311.531	300.946	0.56575577	0.102824
310.036	299.441	0.57115577	0.101848

307.426	296.818	0.57595577	0.100762
303.813	293.188	0.58005577	0.099675
299.352	288.704	0.58365577	0.098398
294.229	283.555	0.58655577	0.097143
288.667	277.961	0.58885577	0.095827
282.915	272.172	0.59055577	0.094468
277.25	266.463	0.59165577	0.093088
271.965	261.128	0.59205577	0.091807
267.364	256.472	0.59185577	0.090549
263.753	252.801	0.59095577	0.089438
261.436	250.417	0.58935577	0.088499
260.702	249.612	0.58715577	0.087658
261.818	250.652	0.58425577	0.08704
265.025	253.779	0.58075577	0.086569
270.53	259.198	0.57655577	0.086369
278.498	267.075	0.57175577	0.086363
289.05	277.532	0.56625577	0.086675
302.26	290.643	0.56015577	0.087224
318.152	306.431	0.55345577	0.088029
336.7	324.869	0.54615577	0.08911
357.825	345.881	0.53825577	0.090481
381.404	369.342	0.52985577	0.092058
407.264	395.08	0.52095577	0.093855
435.193	422.883	0.51155577	0.095883
464.939	452.5	0.50165577	0.098155
496.22	483.649	0.49145577	0.100479
528.726	516.02	0.48075577	0.103066
562.129	549.286	0.46985577	0.105624
596.086	583.103	0.45855577	0.108362
630.247	617.123	0.44705577	0.111089
664.263	650.999	0.43535577	0.113812
697.795	684.389	0.42345577	0.116541
730.512	716.967	0.41145577	0.119186
762.108	748.424	0.39935577	0.121756
792.299	778.477	0.38715577	0.124264
820.83	806.874	0.37505577	0.12652
847.48	833.393	0.36285577	0.128739
872.065	857.849	0.35075577	0.130736
894.437	880.097	0.33875577	0.132525
914.489	900.03	0.32685577	0.134125
932.157	917.582	0.31505577	0.135553
947.415	932.731	0.30345577	0.13673
960.284	945.498	0.29205577	0.137675
970.829	955.947	0.28075577	0.138512
979.156	964.185	0.26975577	0.139062
985.41	970.354	0.25885577	0.13955
989.766	974.633	0.24825577	0.139799
992.432	977.225	0.23785577	0.139933
993.636	978.361	0.22765577	0.139979
993.767	978.459	0.21775577	0.13986
992.662	977.262	0.20805577	0.139701
991.011	975.554	0.19855577	0.139527
988.944	973.432	0.18925577	0.139362
986.727	971.162	0.18025577	0.139129
984.618	969.002	0.17145577	0.13895

982.864	967.198	0.16285577	0.138847
981.695	965.981	0.15455577	0.138741
981.32	965.558	0.14635577	0.138849
981.925	966.116	0.13845577	0.13899
983.67	967.813	0.13075577	0.139281
986.683	970.778	0.12325577	0.139736
991.063	975.109	0.11595577	0.140368
996.876	980.873	0.10895577	0.141088
1004.15	988.102	0.10205577	0.142108
1012.9	996.794	0.09555577	0.143136
1023.07	1006.92	0.08925577	0.144379
1034.61	1018.4	0.08315577	0.145842
1047.41	1031.15	0.07745577	0.14733
1061.35	1045.04	0.07195577	0.149045
1076.27	1059.91	0.06675577	0.150889
1092.01	1075.59	0.06195577	0.152763
1108.36	1091.89	0.05755577	0.154665
1125.1	1108.58	0.05335577	0.156795
1142.02	1125.45	0.04965577	0.15885
1158.87	1142.25	0.04635577	0.160927
1175.42	1158.76	0.04345577	0.163021
1191.42	1174.72	0.04105577	0.16503
1206.65	1189.91	0.03915577	0.166948
1220.88	1204.11	0.03765577	0.168872
1233.89	1217.08	0.03665577	0.170695
1245.48	1228.64	0.03625577	0.172314
1255.47	1238.61	0.03635577	0.173823
1263.7	1246.83	0.03695577	0.175219
1270.04	1253.16	0.03815577	0.176396
1274.38	1257.49	0.03985577	0.177451
1276.63	1259.74	0.04215577	0.17828
1276.96	1260.07	0.04505577	0.178881
1274.7	1257.83	0.04855577	0.179249
1270.51	1253.66	0.05255577	0.179483
1264.2	1247.37	0.05715577	0.179481
1255.84	1239.04	0.06235577	0.179241
1245.52	1228.75	0.06795577	0.178962
1233.37	1216.64	0.07415577	0.178443
1219.53	1202.85	0.08095577	0.177683
1204.17	1187.54	0.08815577	0.176881
1187.47	1170.9	0.09585577	0.175938
1169.65	1153.13	0.10405577	0.174852
1150.92	1134.46	0.11265577	0.173725
1131.51	1115.11	0.12165577	0.172553
1111.65	1095.32	0.13105577	0.171338
1091.58	1075.32	0.14075577	0.170177
1071.52	1055.34	0.15085577	0.168969
1051.71	1035.6	0.16125577	0.167811
1032.36	1016.32	0.17195577	0.1667
1013.67	997.7	0.18295577	0.165632
995.805	979.914	0.19415577	0.164702
978.938	963.122	0.20555577	0.163904
963.196	947.456	0.21715577	0.163231
948.687	933.02	0.22895577	0.162675
935.487	919.893	0.24095577	0.162225

923.648	908.126	0.25305577	0.161971
913.193	897.74	0.26525577	0.161902
904.114	888.73	0.27765577	0.161904
896.379	881.061	0.29005577	0.162163
889.927	874.675	0.30265577	0.162464
884.674	869.485	0.31525577	0.162992
880.511	865.384	0.32795577	0.163628
877.309	862.243	0.34075577	0.164355
874.919	859.912	0.35365577	0.165153
873.178	858.231	0.36655577	0.166104
871.911	857.022	0.37965577	0.166988
870.934	856.103	0.39265577	0.168083
870.055	855.282	0.40585577	0.169068
869.084	854.369	0.41905577	0.170123
867.829	853.174	0.43225577	0.171226
866.105	851.51	0.44565577	0.172156
863.735	849.201	0.45895577	0.173192
860.554	846.083	0.47245577	0.174012
856.41	842.004	0.48595577	0.174796
851.17	836.831	0.49945577	0.175525
844.72	830.45	0.51305577	0.176078
836.969	822.771	0.52665577	0.176536
827.848	813.724	0.54025577	0.176883
817.315	803.268	0.55395577	0.177
805.352	791.385	0.56755577	0.177071
791.97	778.085	0.58115577	0.176981
777.204	763.403	0.59475577	0.176714
761.117	747.402	0.60825577	0.176358
743.794	730.167	0.62175577	0.175799
725.348	711.811	0.63515577	0.175126
705.909	692.463	0.64845577	0.174328
685.629	672.277	0.66155577	0.173494
664.678	651.419	0.67455577	0.172514
643.236	630.071	0.68735577	0.17148
621.497	608.426	0.69985577	0.170484
599.659	586.682	0.71225577	0.169316
577.927	565.043	0.72435577	0.16817
556.502	543.71	0.73605577	0.167138
535.583	522.882	0.74755577	0.166012
515.36	502.749	0.75875577	0.164884
496.014	483.491	0.76955577	0.163848
477.71	465.271	0.77995577	0.162895
460.594	448.238	0.78995577	0.162016
444.794	432.517	0.79945577	0.161304
430.413	418.213	0.80855577	0.160647
417.53	405.405	0.81725577	0.160036
406.198	394.143	0.82545577	0.15956
396.441	384.454	0.83315577	0.159208
388.256	376.334	0.84035577	0.158967
381.611	369.751	0.84705577	0.158824
376.447	364.646	0.85325577	0.158764
372.679	360.934	0.85895577	0.158774
370.195	358.504	0.86405577	0.158934
368.862	357.222	0.86865577	0.159134
368.527	356.936	0.87275577	0.159354

369.017	357.474	0.87635577	0.159584
370.15	358.652	0.87935577	0.159894
371.73	360.276	0.88185577	0.160174
373.557	362.145	0.88385577	0.160414
375.427	364.058	0.88525577	0.160684
377.142	365.814	0.88625577	0.160764
378.506	367.219	0.88665577	0.160854
379.338	368.091	0.88655577	0.160824
379.5	368.273	0.88595577	0.160664
378.745	367.578	0.88485577	0.160364
377.041	365.915	0.88325577	0.159904
374.252	363.166	0.88105577	0.159384
370.301	359.256	0.87845577	0.158574
365.14	354.135	0.87525577	0.157684
358.75	347.787	0.87155577	0.156594
351.147	340.225	0.86725577	0.155404
342.373	331.493	0.86255577	0.153914
332.504	321.666	0.85715577	0.152424
321.645	310.847	0.85125577	0.150714
309.925	299.169	0.84485577	0.148803
297.502	286.786	0.83775577	0.146887
284.551	273.875	0.83005577	0.144871
271.27	260.631	0.82175577	0.142759
257.866	247.264	0.81285577	0.140556
244.557	233.99	0.80325577	0.138372
231.566	221.031	0.79305577	0.136112
219.115	208.61	0.78215577	0.133885
207.421	196.943	0.77055577	0.1317
196.691	186.236	0.75825577	0.129567
187.116	176.681	0.74515577	0.127593
178.869	168.451	0.73145577	0.125589
172.096	161.693	0.71695577	0.123763
166.919	156.525	0.70165577	0.122123
163.424	153.037	0.68565577	0.120575
161.669	151.284	0.66895577	0.119127
161.452	151.067	0.65145577	0.117884
163.434	153.041	0.63325577	0.11675
166.897	156.494	0.61425577	0.11583
171.989	161.573	0.59455577	0.115026
178.602	168.169	0.57405577	0.114441
186.604	176.15	0.55295577	0.113876
195.837	185.359	0.53105577	0.113533
206.127	195.62	0.50845577	0.113311
217.283	206.744	0.48525577	0.113113
229.109	218.535	0.46125577	0.113139
241.402	230.79	0.43675577	0.113091
253.963	243.31	0.41155577	0.113171
266.595	255.899	0.38565577	0.11338
279.115	268.373	0.35925577	0.113523
291.352	280.562	0.33225577	0.113705
303.153	292.314	0.30475577	0.11383
314.388	303.498	0.27655577	0.114107
324.951	314.007	0.24795577	0.114243
334.761	323.762	0.21875577	0.114449
343.764	332.709	0.18915577	0.114537

351.934	340.822	0.15895577	0.114719
359.273	348.103	0.12835577	0.114811
365.812	354.582	0.09725577	0.114928
371.607	360.316	0.06565577	0.115089
376.739	365.385	0.03365577	0.115212
381.311	369.895	0.00125577	0.115317
385.45	373.969	-0.03164423	0.115528
389.299	377.75	-0.06494423	0.115764
393.018	381.398	-0.09864423	0.116049
396.778	385.085	-0.13284423	0.116507
400.759	388.99	-0.16734423	0.116962
405.143	393.295	-0.20224423	0.117537
410.111	398.179	-0.23764423	0.118355
415.834	403.816	-0.27334423	0.11924
422.475	410.367	-0.30934423	0.120215
430.177	417.974	-0.34584423	0.121503
439.064	426.762	-0.38264423	0.122926
449.235	436.831	-0.41974423	0.124503
460.761	448.25	-0.45724423	0.126356
473.684	461.064	-0.49494423	0.128303
488.017	475.283	-0.53304423	0.130563
503.741	490.888	-0.57144423	0.133053
520.803	507.828	-0.61004423	0.135689
539.126	526.024	-0.64884423	0.138487
558.598	545.368	-0.68784423	0.141461
579.091	565.732	-0.72714423	0.144726
600.461	586.975	-0.76654423	0.148094
622.563	608.952	-0.80604423	0.151578
645.247	631.515	-0.84564423	0.15519
668.371	654.521	-0.88544423	0.159043
691.796	677.832	-0.92514423	0.162846
715.393	701.319	-0.96494423	0.166813
739.042	724.862	-1.00484423	0.170953
762.631	748.347	-1.04454423	0.174978
786.055	771.67	-1.08424423	0.179098
809.217	794.733	-1.12384423	0.183224
832.027	817.445	-1.16334423	0.187368
854.4	839.722	-1.20274423	0.191544
876.259	861.486	-1.24184423	0.195554
897.533	882.666	-1.28084423	0.199614
918.159	903.198	-1.31954423	0.203534
938.078	923.025	-1.35804423	0.207434
957.24	942.096	-1.39624423	0.211214
975.599	960.366	-1.43414423	0.214884
993.117	977.797	-1.47174423	0.218474
1009.76	994.355	-1.50904423	0.221974
1025.51	1010.02	-1.54594423	0.225314
1040.34	1024.76	-1.58244423	0.228494
1054.24	1038.59	-1.61854423	0.231534
1067.23	1051.5	-1.65424423	0.234444
1079.31	1063.5	-1.68954423	0.237224
1090.5	1074.62	-1.72444423	0.239914
1100.84	1084.89	-1.75884423	0.242394
1110.38	1094.36	-1.79284423	0.244804
1119.14	1103.06	-1.82634423	0.247044

1127.19	1111.04	-1.85934423	0.249134
1134.58	1118.37	-1.89184423	0.251074
1141.35	1125.08	-1.92394423	0.252974
1147.57	1131.25	-1.95544423	0.254664
1153.29	1136.91	-1.98654423	0.256354
1158.57	1142.14	-2.01704423	0.257834
1163.47	1147	-2.04714423	0.259334
1168.07	1151.55	-2.07664423	0.260664
1172.42	1155.85	-2.10564423	0.261934
1176.59	1159.98	-2.13414423	0.263144
1180.65	1163.99	-2.16214423	0.264314
1184.65	1167.95	-2.18964423	0.265454
1188.65	1171.91	-2.21654423	0.266464
1192.7	1175.92	-2.24294423	0.267464
1196.85	1180.03	-2.26884423	0.268454
1201.14	1184.28	-2.29414423	0.269354
1205.6	1188.7	-2.31894423	0.270264
1210.27	1193.33	-2.34314423	0.271084
1215.16	1198.18	-2.36684423	0.271934
1220.3	1203.28	-2.39004423	0.272814
1225.68	1208.63	-2.41264423	0.273634
1231.32	1214.22	-2.43464423	0.274394
1237.2	1220.06	-2.45614423	0.275204
1243.3	1226.12	-2.47704423	0.275974
1249.6	1232.39	-2.49744423	0.276794
1256.09	1238.83	-2.51714423	0.277484
1262.72	1245.43	-2.53634423	0.278244
1269.48	1252.14	-2.55494423	0.278974
1276.32	1258.94	-2.57294423	0.279674
1283.2	1265.78	-2.59024423	0.280264
1290.1	1272.64	-2.60704423	0.280944
1296.96	1279.46	-2.62314423	0.281504
1303.76	1286.23	-2.63864423	0.282064
1310.46	1292.88	-2.65354423	0.282614
1317.01	1299.39	-2.66784423	0.283174
1323.38	1305.73	-2.68144423	0.283634
1329.54	1311.85	-2.69434423	0.284004
1335.46	1317.74	-2.70664423	0.284394
1341.11	1323.35	-2.71824423	0.284694
1346.47	1328.68	-2.72924423	0.285014
1351.51	1333.69	-2.73954423	0.285264
1356.22	1338.37	-2.74914423	0.285444
1360.58	1342.7	-2.75804423	0.285554
1364.58	1346.67	-2.76624423	0.285594
1368.22	1350.28	-2.77374423	0.285584
1371.48	1353.52	-2.78064423	0.285614
1374.37	1356.38	-2.78674423	0.285494
1376.88	1358.88	-2.79224423	0.285434
1379.04	1361.02	-2.79694423	0.285224
1380.83	1362.8	-2.80094423	0.284974
1382.28	1364.23	-2.80424423	0.284694
1383.4	1365.33	-2.80684423	0.284374
1384.19	1366.11	-2.80874423	0.284024
1384.67	1366.59	-2.80994423	0.283644
1384.86	1366.77	-2.81034423	0.283144

1384.76	1366.66	-2.81014423	0.282714
1384.38	1366.29	-2.80914423	0.282164
1383.75	1365.66	-2.80754423	0.281704
1382.86	1364.77	-2.80514423	0.281114
1381.73	1363.65	-2.80204423	0.280504
1380.36	1362.28	-2.79824423	0.279874
1378.75	1360.68	-2.79374423	0.279214
1376.9	1358.85	-2.78854423	0.278544
1374.82	1356.77	-2.78264423	0.277834
1372.49	1354.46	-2.77604423	0.277104
1369.91	1351.9	-2.76874423	0.276344
1367.08	1349.09	-2.76084423	0.275644
1363.98	1346.01	-2.75214423	0.274794
1360.6	1342.66	-2.74284423	0.274014
1356.94	1339.03	-2.73274423	0.273064
1352.98	1335.1	-2.72214423	0.272264
1348.71	1330.86	-2.71074423	0.271304
1344.11	1326.29	-2.69874423	0.270364
1339.18	1321.4	-2.68614423	0.269444
1333.9	1316.16	-2.67284423	0.268434
1328.26	1310.56	-2.65884423	0.267324
1322.25	1304.6	-2.64434423	0.266304
1315.87	1298.26	-2.62914423	0.265174
1309.1	1291.54	-2.61334423	0.264014
1301.95	1284.44	-2.59694423	0.262824
1294.42	1276.95	-2.57994423	0.261584
1286.49	1269.08	-2.56244423	0.260384
1278.19	1260.83	-2.54424423	0.259024
1269.52	1252.21	-2.52564423	0.257784
1260.48	1243.23	-2.50634423	0.256354
1251.11	1233.91	-2.48664423	0.255014
1241.4	1224.26	-2.46634423	0.253574
1231.39	1214.31	-2.44554423	0.252114
1221.1	1204.08	-2.42424423	0.250614
1210.56	1193.6	-2.40254423	0.249174
1199.79	1182.9	-2.38024423	0.247584
1188.83	1172	-2.35764423	0.246124
1177.72	1160.96	-2.33454423	0.244574
1166.49	1149.79	-2.31094423	0.242944
1155.17	1138.54	-2.28704423	0.241414
1143.81	1127.24	-2.26274423	0.239874
1132.45	1115.94	-2.23804423	0.238304
1121.1	1104.66	-2.21304423	0.236804
1109.83	1093.45	-2.18764423	0.235254
1098.64	1082.33	-2.16184423	0.233654
1087.59	1071.35	-2.13584423	0.232174
1076.7	1060.52	-2.10954423	0.230724
1065.98	1049.87	-2.08284423	0.229174
1055.48	1039.43	-2.05604423	0.227814
1045.19	1029.21	-2.02884423	0.226344
1035.15	1019.22	-2.00144423	0.224944
1025.35	1009.49	-1.97384423	0.223594
1015.8	1000.01	-1.94594423	0.222204
1006.51	990.774	-1.91794423	0.220934
997.461	981.791	-1.88964423	0.219594

988.655	973.047	-1.86124423	0.218364
980.076	964.531	-1.83264423	0.217124
971.707	956.223	-1.80384423	0.215864
963.525	948.103	-1.77494423	0.214674
955.506	940.146	-1.74594423	0.213544
947.621	932.322	-1.71674423	0.212354
939.839	924.602	-1.68744423	0.211194
932.127	916.951	-1.65804423	0.210054
924.448	909.335	-1.62854423	0.208914
916.768	901.717	-1.59894423	0.207764
909.049	894.061	-1.56924423	0.206584
901.256	886.331	-1.53954423	0.205474
893.352	878.49	-1.50974423	0.204314
885.305	870.507	-1.47994423	0.203194
877.083	862.349	-1.45004423	0.201994
868.657	853.987	-1.42014423	0.200804
860.001	845.397	-1.39014423	0.199514
851.095	836.557	-1.36024423	0.198314
841.922	827.45	-1.33024423	0.196984
832.469	818.064	-1.30034423	0.195714
822.729	808.391	-1.27044423	0.194404
812.7	798.43	-1.24054423	0.193034
802.385	788.184	-1.21074423	0.191684
791.794	777.661	-1.18094423	0.190263
780.939	766.876	-1.15134423	0.188946
769.841	755.848	-1.12164423	0.187427
758.524	744.6	-1.09214423	0.185996
747.016	733.162	-1.06284423	0.184643
735.351	721.567	-1.03354423	0.183159
723.565	709.851	-1.00444423	0.181734
711.698	698.054	-0.97544423	0.180261
699.794	686.219	-0.94664423	0.178829
687.896	674.39	-0.91794423	0.177331
676.049	662.612	-0.88954423	0.175957
664.302	650.932	-0.86134423	0.1746
652.698	639.396	-0.83334423	0.173251
641.284	628.048	-0.80554423	0.171903
630.103	616.932	-0.77804423	0.170646
619.196	606.089	-0.75074423	0.169373
608.602	595.557	-0.72374423	0.168176
598.355	585.372	-0.69704423	0.167047
588.486	575.563	-0.67064423	0.165978
579.022	566.158	-0.64444423	0.164861
569.986	557.179	-0.61864423	0.163888
561.393	548.641	-0.59324423	0.16305
553.255	540.558	-0.56804423	0.162141
545.581	532.935	-0.54324423	0.161351
538.371	525.775	-0.51884423	0.160673
531.622	519.075	-0.49474423	0.159998
525.327	512.826	-0.47104423	0.15942
519.473	507.016	-0.44764423	0.158829
514.045	501.631	-0.42474423	0.158418
509.025	496.65	-0.40214423	0.15798
504.389	492.053	-0.37994423	0.157607
500.115	487.815	-0.35814423	0.157292

496.178	483.911	-0.33674423	0.157028
492.552	480.317	-0.31574423	0.156808
489.211	477.006	-0.29514423	0.156627
486.132	473.953	-0.27494423	0.156477
483.291	471.137	-0.25514423	0.156354
480.667	468.535	-0.23574423	0.156253
478.244	466.132	-0.21684423	0.156269
476.006	463.911	-0.19824423	0.156199
473.947	461.866	-0.18014423	0.156238
472.063	459.993	-0.16244423	0.156285
470.357	458.295	-0.14514423	0.156337
468.839	456.782	-0.12834423	0.156494
467.524	455.469	-0.11184423	0.156554
466.433	454.377	-0.09584423	0.156717
465.595	453.533	-0.08024423	0.156884
465.041	452.971	-0.06514423	0.157157
464.809	452.727	-0.05034423	0.157338
464.942	452.845	-0.03604423	0.15763
465.485	453.369	-0.02214423	0.157938
466.487	454.348	-0.00864423	0.158265
467.998	455.832	0.00435577	0.158719
470.067	457.871	0.01695577	0.159204
472.743	460.514	0.02925577	0.159628
476.073	463.806	0.04105577	0.160199
480.099	467.79	0.05245577	0.160825
484.859	472.506	0.06345577	0.161514
490.387	477.985	0.07405577	0.162277
496.708	484.254	0.08425577	0.163123
503.84	491.33	0.09415577	0.163963
511.795	499.226	0.10365577	0.164907
520.575	507.943	0.11275577	0.165966
530.173	517.474	0.12145577	0.167153
540.573	527.805	0.12995577	0.168277
551.752	538.912	0.13805577	0.169553
563.677	550.76	0.14585577	0.170891
576.306	563.311	0.15335577	0.172303
589.591	576.514	0.16055577	0.173803
603.475	590.313	0.16745577	0.175403
617.896	604.647	0.17415577	0.177015
632.785	619.447	0.18065577	0.178652
648.069	634.64	0.18685577	0.180427
663.671	650.149	0.19295577	0.182152
679.51	665.894	0.19885577	0.183941
695.504	681.792	0.20455577	0.185805
711.57	697.763	0.21015577	0.187658
727.63	713.728	0.21565577	0.189513
743.608	729.613	0.22095577	0.191481
759.437	745.351	0.22625577	0.193376
775.056	760.881	0.23145577	0.19531
790.412	776.15	0.23665577	0.197195
805.459	791.112	0.24185577	0.199044
820.159	805.73	0.24695577	0.200968
834.479	819.97	0.25215577	0.20278
848.391	833.806	0.25735577	0.204591
861.873	847.214	0.26255577	0.206412

874.905	860.175	0.26785577	0.208155
887.47	872.67	0.27325577	0.209829
899.55	884.685	0.27875577	0.211445
911.129	896.201	0.28435577	0.213013
922.192	907.204	0.29005577	0.214542
932.721	917.676	0.29595577	0.21594
942.699	927.599	0.30195577	0.217315
952.107	936.956	0.30805577	0.218676
960.927	945.728	0.31445577	0.219829
969.142	953.898	0.32095577	0.220981
976.732	961.446	0.32775577	0.221937
983.68	968.357	0.33465577	0.222903
989.967	974.61	0.34185577	0.223684
995.572	980.187	0.34915577	0.224483
1000.47	985.064	0.35675577	0.225105
1004.65	989.219	0.36465577	0.225554
1008.07	992.626	0.37275577	0.225933
1010.7	995.257	0.38105577	0.226245
1012.51	997.068	0.38965577	0.226391
1013.44	998.009	0.39845577	0.226473
1013.57	998.141	0.40745577	0.226491
1012.52	997.117	0.41675577	0.226348
1010.6	995.217	0.42635577	0.226044
1007.68	992.318	0.43615577	0.225681
1003.75	988.413	0.44625577	0.225162
998.816	983.507	0.45655577	0.224587
992.897	977.619	0.46705577	0.223959
986.029	970.783	0.47775577	0.22328
978.26	963.049	0.48865577	0.222552
969.655	954.48	0.49985577	0.221677
960.293	945.155	0.51115577	0.220857
950.266	935.167	0.52275577	0.219893
939.681	924.62	0.53445577	0.218989
928.653	913.63	0.54625577	0.218145
917.307	902.324	0.55825577	0.217262
905.776	890.832	0.57035577	0.216443
894.198	879.292	0.58255577	0.215688
882.711	867.843	0.59495577	0.214896
871.455	856.625	0.60735577	0.214269
860.567	845.773	0.61985577	0.213706
850.177	835.418	0.63235577	0.213306
840.409	825.683	0.64495577	0.212966
831.376	816.681	0.65755577	0.212786
823.178	808.514	0.67025577	0.212661
815.902	801.266	0.68285577	0.212789
809.62	795.01	0.69555577	0.212965
804.383	789.798	0.70815577	0.213384
800.229	785.667	0.72085577	0.213839
797.174	782.632	0.73345577	0.214525
795.214	780.691	0.74605577	0.215334
794.276	779.778	0.75865577	0.216257
794.475	779.984	0.77115577	0.217387
795.596	781.119	0.78365577	0.218614
797.615	783.149	0.79625577	0.219824
800.438	785.984	0.80865577	0.221314

803.96	789.515	0.82115577	0.222764
808.061	793.625	0.83365577	0.224264
812.613	798.185	0.84605577	0.225904
817.477	803.056	0.85855577	0.227474
822.51	808.098	0.87095577	0.229154
827.567	813.163	0.88345577	0.230744
832.501	818.105	0.89595577	0.232314
837.168	822.78	0.90845577	0.233874
841.426	827.048	0.92095577	0.235384
845.142	830.776	0.93355577	0.236754
848.192	833.839	0.94605577	0.238154
850.464	836.125	0.95875577	0.239284
851.857	837.535	0.97145577	0.240334
852.287	837.983	0.98415577	0.241284
851.684	837.401	0.99695577	0.242034
849.997	835.737	1.00975577	0.242674
847.194	832.959	1.02255577	0.243184
843.26	829.052	1.03545577	0.243464
838.2	824.022	1.04835577	0.243604
832.036	817.89	1.06135577	0.243494
824.812	810.7	1.07435577	0.243244
816.586	802.51	1.08735577	0.242824
807.435	793.397	1.10035577	0.242254
797.449	783.451	1.11325577	0.241614
786.733	772.777	1.12625577	0.240704
775.404	761.49	1.13915577	0.239724
763.587	749.717	1.15205577	0.238564
751.417	737.592	1.16485577	0.237334
739.033	725.252	1.17755577	0.236024
726.575	712.84	1.19025577	0.234524
714.187	700.496	1.20275577	0.233054
702.007	688.361	1.21515577	0.231494
690.172	676.57	1.22745577	0.229854
678.81	665.251	1.23955577	0.228224
668.04	654.524	1.25155577	0.226514
657.973	644.497	1.26335577	0.224804
648.701	635.265	1.27495577	0.223104
640.308	626.91	1.28635577	0.221414
632.859	619.497	1.29745577	0.219824
626.4	613.073	1.30845577	0.218134
620.964	607.669	1.31925577	0.216434
616.562	603.297	1.32975577	0.214824
613.188	599.953	1.33995577	0.213304
610.819	597.611	1.35005577	0.211664
609.413	596.23	1.35975577	0.210194
608.914	595.754	1.36935577	0.208594
609.246	596.108	1.37865577	0.207054
610.325	597.208	1.38765577	0.205564
612.051	598.952	1.39645577	0.204024
614.315	601.234	1.40505577	0.202424
617	603.936	1.41335577	0.200854
619.984	606.935	1.42145577	0.199214
623.141	610.107	1.42935577	0.197484
626.343	613.324	1.43695577	0.195764
629.466	616.462	1.44435577	0.193944

632.388	619.398	1.45155577	0.192014
634.994	622.018	1.45855577	0.189974
637.177	624.216	1.46525577	0.187914
638.84	625.893	1.47185577	0.185624
639.899	626.967	1.47825577	0.183204
640.282	627.366	1.48435577	0.180744
639.934	627.033	1.49035577	0.178034
638.813	625.929	1.49605577	0.175294
636.896	624.029	1.50155577	0.172394
634.176	621.327	1.50695577	0.169244
630.663	617.833	1.51205577	0.166034
626.383	613.573	1.51695577	0.162684
621.38	608.589	1.52165577	0.159164
615.711	602.94	1.52605577	0.155594
609.449	596.698	1.53025577	0.151874
602.678	589.947	1.53425577	0.147994
595.493	582.783	1.53805577	0.143964
587.999	575.309	1.54145577	0.139984
580.308	567.638	1.54465577	0.135864
572.536	559.886	1.54765577	0.131584
564.802	552.171	1.55025577	0.127374
557.227	544.613	1.55265577	0.123024
549.926	537.33	1.55475577	0.118644
543.014	530.434	1.55645577	0.114324
536.597	524.032	1.55785577	0.109984
530.773	518.222	1.55895577	0.105614
525.631	513.092	1.55975577	0.101224
521.246	508.718	1.56015577	0.096914
517.682	505.163	1.56025577	0.092594
514.986	502.475	1.56005577	0.088244
513.191	500.686	1.55935577	0.084094
512.313	499.813	1.55845577	0.079824
512.22	499.721	1.55705577	0.075744
513.299	500.802	1.55545577	0.071554
515.115	502.618	1.55335577	0.067554
517.758	505.259	1.55095577	0.063544
521.169	508.665	1.54825577	0.059524
525.274	512.766	1.54515577	0.055594
529.993	517.478	1.54175577	0.051644
535.232	522.71	1.53805577	0.047684
540.893	528.361	1.53395577	0.043804
546.87	534.329	1.52955577	0.039904
553.057	540.505	1.52485577	0.035994
559.344	546.781	1.51985577	0.032054
565.623	553.048	1.51455577	0.028094
571.789	559.202	1.50895577	0.024124
577.742	565.142	1.50305577	0.020114
583.388	570.775	1.49695577	0.015984
588.641	576.016	1.49055577	0.011834
593.425	580.788	1.48385577	0.007664
597.677	585.028	1.47695577	0.003364
601.343	588.683	1.46975577	-0.00096
604.384	591.712	1.46235577	-0.00541
606.772	594.09	1.45475577	-0.00997
608.496	595.804	1.44685577	-0.01454

609.556	596.854	1.43875577	-0.01923
609.965	597.255	1.43045577	-0.02403
609.753	597.034	1.42185577	-0.02883
608.957	596.231	1.41305577	-0.03373
607.628	594.895	1.40395577	-0.03863
605.828	593.089	1.39475577	-0.04371
603.626	590.881	1.38525577	-0.04877
601.099	588.348	1.37545577	-0.05381
598.331	585.575	1.36545577	-0.05892
595.409	582.646	1.35525577	-0.06409
592.421	579.654	1.34485577	-0.06931
589.46	576.686	1.33415577	-0.07447
586.613	573.834	1.32315577	-0.07958
583.969	571.184	1.31195577	-0.08472
581.609	568.817	1.30045577	-0.08977
579.61	566.812	1.28865577	-0.09475
578.042	565.236	1.27665577	-0.09973
576.967	564.152	1.26445577	-0.10471
576.387	563.612	1.25185577	-0.10949
576.489	563.558	1.23905577	-0.11425
577.159	564.314	1.22605577	-0.11899
578.464	565.607	1.21275577	-0.1236
580.412	567.542	1.19915577	-0.12808
582.999	570.115	1.18525577	-0.13241
586.21	573.311	1.17115577	-0.1367
590.019	577.103	1.15685577	-0.14094
594.388	581.455	1.14225577	-0.14502
599.273	586.322	1.12745577	-0.14904
604.619	591.649	1.11235577	-0.15289
610.365	597.374	1.09705577	-0.15667
616.442	603.43	1.08155577	-0.16037
622.778	609.745	1.06585577	-0.164
629.298	616.242	1.04995577	-0.16753
635.923	622.845	1.03385577	-0.17097
642.577	629.475	1.01755577	-0.17432
649.181	636.056	1.00105577	-0.17757
655.662	642.514	0.98445577	-0.18081
661.949	648.777	0.96765577	-0.18395
667.977	654.781	0.95065577	-0.18696
673.685	660.466	0.93355577	-0.18996
679.024	665.781	0.91635577	-0.19293
683.948	670.682	0.89895577	-0.19577
688.423	675.135	0.88145577	-0.19857
692.424	679.113	0.86385577	-0.20133
695.935	682.602	0.84615577	-0.20403
698.951	685.596	0.82825577	-0.20658
701.475	688.099	0.81035577	-0.20917
703.523	690.126	0.79225577	-0.21158
705.117	691.7	0.77415577	-0.21401
706.292	692.853	0.75595577	-0.21636
707.096	693.634	0.73755577	-0.2185
707.587	694.103	0.71915577	-0.22064
707.83	694.324	0.70065577	-0.22267
707.893	694.366	0.68205577	-0.22457
707.849	694.3	0.66335577	-0.22634

707.766	694.197	0.64455577	-0.22796
707.718	694.129	0.62565577	-0.22943
707.772	694.163	0.60665577	-0.23075
707.99	694.362	0.58755577	-0.2319
708.433	694.786	0.56835577	-0.23288
709.15	695.484	0.54915577	-0.23378
710.185	696.501	0.52975577	-0.2344
711.571	697.87	0.51035577	-0.23494
713.334	699.615	0.49085577	-0.23528
715.485	701.75	0.47125577	-0.23544
718.029	704.278	0.45155577	-0.2354
720.955	707.188	0.43175577	-0.23516
724.245	710.463	0.41195577	-0.23483
727.868	714.072	0.39205577	-0.23431
731.783	717.973	0.37205577	-0.2336
735.939	722.117	0.35205577	-0.23279
740.279	726.445	0.33195577	-0.2318
744.733	730.889	0.31175577	-0.23063
749.231	735.377	0.29165577	-0.22948
753.693	739.831	0.27135577	-0.22805
758.037	744.169	0.25115577	-0.22666
762.18	748.308	0.23085577	-0.22511
766.039	752.164	0.21055577	-0.22351
769.531	755.654	0.19025577	-0.22186
772.575	758.699	0.16985577	-0.22007
775.098	761.224	0.14955577	-0.21835
777.03	763.161	0.12915577	-0.21651
778.31	764.448	0.10875577	-0.21466
778.897	765.05	0.08845577	-0.2129
778.716	764.875	0.06805577	-0.21104
777.769	763.942	0.04765577	-0.20919
776.025	762.213	0.02735577	-0.20747
773.478	759.684	0.00695577	-0.20566
770.133	756.359	-0.01344423	-0.20389
766.009	752.257	-0.03384423	-0.20216
761.138	747.41	-0.05434423	-0.20038
755.564	741.862	-0.07474423	-0.19875
749.343	735.668	-0.09524423	-0.19707
742.541	728.894	-0.11574423	-0.19546
735.236	721.618	-0.13634423	-0.19382
727.511	713.923	-0.15694423	-0.19226
719.46	705.903	-0.17754423	-0.19076
711.182	697.656	-0.19834423	-0.18915
702.779	689.283	-0.21914423	-0.18763
694.357	680.891	-0.24014423	-0.18598
686.022	672.586	-0.26114423	-0.18443
677.88	664.472	-0.28224423	-0.18287
670.033	656.654	-0.30354423	-0.18119
662.582	649.229	-0.32494423	-0.17952
655.621	642.292	-0.34644423	-0.17783
649.236	635.929	-0.36814423	-0.17605
643.506	630.219	-0.38994423	-0.17425
638.501	625.233	-0.41194423	-0.17236
634.282	621.028	-0.43404423	-0.17047
630.896	617.655	-0.45634423	-0.16847

628.381	615.15	-0.47884423	-0.16638
626.762	613.539	-0.50154423	-0.16418
626.042	612.822	-0.52434423	-0.16198
626.256	613.036	-0.54734423	-0.15969
627.359	614.136	-0.57054423	-0.1573
629.341	616.111	-0.59394423	-0.15481
632.17	618.929	-0.61744423	-0.15232
635.805	622.55	-0.64114423	-0.14973
640.196	626.925	-0.66504423	-0.14704
645.288	631.995	-0.68904423	-0.14435
651.016	637.7	-0.71324423	-0.14156
657.315	643.971	-0.73754423	-0.13876
664.114	650.738	-0.76204423	-0.13586
671.339	657.93	-0.78654423	-0.13305
678.918	665.472	-0.81124423	-0.13012
686.778	673.294	-0.83604423	-0.12718
694.85	681.324	-0.86094423	-0.12422
703.066	689.495	-0.88594423	-0.12124
711.363	697.746	-0.91104423	-0.11822
719.684	706.019	-0.93614423	-0.11526
727.978	714.262	-0.96134423	-0.11225
736.2	722.432	-0.98654423	-0.10929
744.313	730.491	-1.01184423	-0.10627
752.288	738.41	-1.03714423	-0.10328
760.102	746.167	-1.06254423	-0.1002
767.741	753.748	-1.08784423	-0.09724
775.198	761.146	-1.11314423	-0.09427
782.474	768.361	-1.13854423	-0.09118
789.576	775.4	-1.16384423	-0.08817
796.514	782.275	-1.18914423	-0.08512
803.307	789.004	-1.21444423	-0.08201
809.979	795.614	-1.23964423	-0.07894
816.566	802.14	-1.26484423	-0.07579
823.113	808.626	-1.28994423	-0.07264
829.671	815.125	-1.31504423	-0.06939
836.301	821.696	-1.34004423	-0.06611
843.069	828.405	-1.36494423	-0.0628
850.042	835.321	-1.38984423	-0.05933
857.292	842.513	-1.41454423	-0.05591
864.889	850.051	-1.43924423	-0.0523
872.9	858.002	-1.46374423	-0.0487
881.388	866.429	-1.48814423	-0.04499
890.407	875.385	-1.51244423	-0.04116
900.006	884.921	-1.53654423	-0.0373
910.224	895.072	-1.56054423	-0.0333
921.089	905.869	-1.58434423	-0.02923
932.619	917.327	-1.60794423	-0.0251
944.819	929.455	-1.63144423	-0.02078
957.686	942.247	-1.65464423	-0.01646
971.206	955.689	-1.67764423	-0.01204
985.353	969.756	-1.70044423	-0.0075
1000.09	984.414	-1.72294423	-0.00293
1015.38	999.622	-1.74514423	0.001684
1031.18	1015.33	-1.76714423	0.006454
1047.41	1031.48	-1.78874423	0.011174

1064.04	1048.01	-1.81004423	0.015974
1080.98	1064.86	-1.83104423	0.020864
1098.18	1081.97	-1.85164423	0.025744
1115.55	1099.25	-1.87184423	0.030644
1133.05	1116.65	-1.89164423	0.035554
1150.58	1134.09	-1.91094423	0.040394
1168.1	1151.51	-1.92984423	0.045284
1185.52	1168.84	-1.94834423	0.050224
1202.79	1186.01	-1.96634423	0.055134
1219.85	1202.98	-1.98374423	0.059924
1236.64	1219.68	-2.00074423	0.064804
1253.12	1236.06	-2.01704423	0.069494
1269.23	1252.08	-2.03294423	0.074304
1284.94	1267.7	-2.04814423	0.078934
1300.21	1282.87	-2.06274423	0.083514
1315	1297.58	-2.07684423	0.088144
1329.3	1311.79	-2.09024423	0.092654
1343.07	1325.48	-2.10294423	0.097034
1356.31	1338.63	-2.11504423	0.101414
1368.98	1351.23	-2.12644423	0.105694
1381.1	1363.26	-2.13714423	0.109894
1392.64	1374.73	-2.14704423	0.113914
1403.59	1385.62	-2.15634423	0.117984
1413.97	1395.93	-2.16494423	0.122004
1423.76	1405.65	-2.17264423	0.125774
1432.97	1414.8	-2.17974423	0.129624
1441.59	1423.36	-2.18594423	0.133254
1449.62	1431.34	-2.19144423	0.136874
1457.07	1438.74	-2.19614423	0.140394
1463.93	1445.55	-2.20004423	0.143814
1470.19	1451.78	-2.20324423	0.147244
1475.86	1457.41	-2.20554423	0.150494
1480.94	1462.46	-2.20694423	0.153574
1485.41	1466.9	-2.20764423	0.156674
1489.28	1470.75	-2.20754423	0.159714
1492.54	1473.99	-2.20654423	0.162584
1495.18	1476.61	-2.20474423	0.165394
1497.2	1478.62	-2.20204423	0.168054
1498.59	1480	-2.19854423	0.170644
1499.35	1480.76	-2.19424423	0.173184
1499.5	1480.91	-2.18904423	0.175574
1498.99	1480.41	-2.18304423	0.177904
1497.87	1479.29	-2.17624423	0.180174
1496.14	1477.57	-2.16854423	0.182284
1493.79	1475.23	-2.16004423	0.184334
1490.86	1472.31	-2.15074423	0.186324
1487.34	1468.81	-2.14064423	0.188244
1483.28	1464.77	-2.12964423	0.189994
1478.69	1460.2	-2.11784423	0.191674
1473.61	1455.14	-2.10534423	0.193384
1468.08	1449.63	-2.09194423	0.194904
1462.12	1443.7	-2.07774423	0.196344
1455.79	1437.4	-2.06284423	0.197794
1449.14	1430.78	-2.04714423	0.199154
1442.22	1423.88	-2.03064423	0.200414

1435.07	1416.77	-2.01344423	0.201664
1427.76	1409.49	-1.99554423	0.202914
1420.35	1402.1	-1.97684423	0.204044
1412.88	1394.67	-1.95744423	0.205164
1405.43	1387.25	-1.93734423	0.206244
1398.04	1379.89	-1.91664423	0.207404
1390.79	1372.66	-1.89514423	0.208434
1383.71	1365.61	-1.87294423	0.209414
1376.86	1358.8	-1.85014423	0.210444
1370.29	1352.26	-1.82674423	0.211534
1364.05	1346.04	-1.80264423	0.212554
1358.17	1340.19	-1.77794423	0.213614
1352.69	1334.73	-1.75254423	0.214604
1347.63	1329.7	-1.72664423	0.215714
1343.01	1325.11	-1.70004423	0.216734
1338.86	1320.98	-1.67294423	0.217864
1335.16	1317.3	-1.64514423	0.218894
1331.93	1314.09	-1.61684423	0.220024
1329.15	1311.33	-1.58794423	0.221134
1326.79	1308.99	-1.55854423	0.222324
1324.84	1307.06	-1.52854423	0.223484
1323.26	1305.5	-1.49794423	0.224594
1322	1304.26	-1.46674423	0.225664
1321.02	1303.3	-1.43514423	0.226864
1320.25	1302.55	-1.40284423	0.227894
1319.64	1301.96	-1.37014423	0.229054
1319.1	1301.44	-1.33684423	0.230114
1318.56	1300.93	-1.30294423	0.231064
1317.95	1300.34	-1.26854423	0.232004
1317.18	1299.59	-1.23364423	0.232914
1316.15	1298.6	-1.19824423	0.233779
1314.8	1297.27	-1.16234423	0.234589
1313.01	1295.52	-1.12584423	0.235228
1310.72	1293.27	-1.08884423	0.235783
1307.83	1290.42	-1.05134423	0.236238
1304.26	1286.89	-1.01334423	0.23658
1299.93	1282.61	-0.97494423	0.236893
1294.76	1277.49	-0.93594423	0.236962
1288.68	1271.47	-0.89654423	0.236972
1281.63	1264.49	-0.85664423	0.236808
1273.56	1256.47	-0.81624423	0.236455
1264.4	1247.39	-0.77544423	0.235996
1254.13	1237.2	-0.73424423	0.235418
1242.72	1225.87	-0.69264423	0.234704
1230.16	1213.39	-0.65054423	0.233739
1216.43	1199.75	-0.60814423	0.23271
1201.56	1184.97	-0.56544423	0.2316
1185.56	1169.07	-0.52234423	0.230295
1168.49	1152.09	-0.47884423	0.228781
1150.38	1134.09	-0.43514423	0.227243
1131.31	1115.12	-0.39114423	0.225569
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1090.65	1074.68	-0.30244423	0.221954
1069.27	1053.4	-0.25784423	0.220087
1047.34	1031.58	-0.21304423	0.218131

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1002.41	986.871	-0.12304423	0.214102
979.704	964.273	-0.07784423	0.212005
957.048	941.722	-0.03264423	0.209973
934.603	919.382	0.01255577	0.207993
912.534	897.414	0.05785577	0.205956
891.006	875.984	0.10305577	0.204052
870.177	855.251	0.14815577	0.202271
850.205	835.37	0.19325577	0.200503
831.236	816.488	0.23825577	0.198839
813.408	798.743	0.28305577	0.19737
796.846	782.259	0.32775577	0.195988
781.658	767.146	0.37235577	0.194685
767.939	753.496	0.41665577	0.193653
755.763	741.382	0.46085577	0.192683
745.191	730.866	0.50475577	0.191969
736.262	721.99	0.54855577	0.191302
728.989	714.769	0.59205577	0.190872
723.354	709.183	0.63525577	0.190666
719.306	705.183	0.67825577	0.190572
716.762	702.685	0.72105577	0.190575
715.605	701.494	0.76355577	0.190757
715.502	701.704	0.80585577	0.191002
716.837	702.899	0.84785577	0.191394
718.848	704.958	0.88965577	0.191804
721.498	707.656	0.93115577	0.192314
724.543	710.752	0.97245577	0.192804
727.728	713.988	1.01355577	0.193254
730.788	717.102	1.05435577	0.193744
733.456	719.826	1.09495577	0.194134
735.468	721.897	1.13535577	0.194424
736.567	723.058	1.17555577	0.194574
736.699	723.221	1.21545577	0.194664
735.085	721.706	1.25525577	0.194484
732.085	718.775	1.29485577	0.194104
727.344	714.107	1.33415577	0.193604
720.729	707.567	1.37325577	0.192874
712.142	699.058	1.41215577	0.191884
701.524	688.519	1.45085577	0.190634
688.857	675.935	1.48925577	0.189204
674.166	661.327	1.52735577	0.187584
657.517	644.764	1.56525577	0.185654
639.018	626.352	1.60285577	0.183524
618.817	606.239	1.64005577	0.181284
597.099	584.609	1.67705577	0.178724
574.082	561.681	1.71355577	0.176144
550.016	537.704	1.74975577	0.173334
525.176	512.951	1.78555577	0.170414
499.854	487.716	1.82085577	0.167474
474.36	462.307	1.85565577	0.164524
449.011	437.041	1.89005577	0.161454
424.126	412.236	1.92385577	0.158474
400.019	388.207	1.95705577	0.155594
376.996	365.259	1.98975577	0.152704
355.345	343.678	2.02185577	0.149924

335.331	323.732	2.05325577	0.147354
317.194	305.658	2.08405577	0.144884
301.142	289.664	2.11415577	0.142624
287.347	275.923	2.14355577	0.140564
275.941	264.565	2.17235577	0.138624
267.012	255.681	2.20035577	0.136984
260.607	249.316	2.22765577	0.135554
256.723	245.467	2.25415577	0.134414
255.314	244.088	2.28005577	0.133374
256.29	245.09	2.30515577	0.132614
259.517	248.339	2.32955577	0.132034
264.823	253.662	2.35315577	0.131724
271.999	260.852	2.37615577	0.131474
280.806	269.668	2.39845577	0.131364
290.979	279.847	2.41995577	0.131484
302.23	291.101	2.44095577	0.131534
314.261	303.131	2.46115577	0.131794
326.763	315.631	2.48075577	0.132054
339.428	328.29	2.49975577	0.132294
351.951	340.806	2.51815577	0.132524
364.042	352.888	2.53595577	0.132704
375.427	364.263	2.55325577	0.132754
385.856	374.681	2.56985577	0.132854
395.109	383.922	2.58605577	0.132694
402.999	391.799	2.60165577	0.132474
409.377	398.164	2.61675577	0.132094
414.134	402.908	2.63135577	0.131544
417.202	405.963	2.64535577	0.130944
418.601	407.342	2.65895577	0.130074
418.225	406.96	2.67205577	0.129054
416.262	404.984	2.68465577	0.127894
412.772	401.482	2.69675577	0.126584
407.896	396.594	2.70835577	0.125154
401.808	390.494	2.71935577	0.123714
394.712	383.385	2.72995577	0.122064
386.836	375.497	2.74005577	0.120324
378.429	367.076	2.74955577	0.118614
369.752	358.385	2.75855577	0.116844
361.074	349.693	2.76705577	0.115034
352.668	341.272	2.77485577	0.113394
344.802	333.388	2.78225577	0.111644
337.733	326.3	2.78895577	0.110104
331.704	320.25	2.79515577	0.108584
326.939	315.461	2.80075577	0.107194
323.636	312.131	2.80575577	0.105954
321.962	310.429	2.81015577	0.104874
321.782	310.232	2.81395577	0.103964
324.021	312.421	2.81715577	0.103244
327.92	316.281	2.81975577	0.102704
333.781	322.1	2.82175577	0.102364
341.592	329.867	2.82315577	0.102224
351.304	339.531	2.82395577	0.102294
362.83	351.006	2.82425577	0.102464
376.05	364.171	2.82405577	0.102754
390.809	378.874	2.82325577	0.103254

406.925	394.931	2.82195577	0.103874
424.192	412.137	2.82015577	0.104594
442.381	430.264	2.81785577	0.105434
461.252	449.071	2.81515577	0.106274
480.551	468.305	2.81205577	0.107124
500.021	487.71	2.80845577	0.108074
519.405	507.028	2.80455577	0.108924
538.452	526.011	2.80025577	0.109774
556.921	544.417	2.79565577	0.110514
574.589	562.022	2.79075577	0.111154
591.25	578.622	2.78555577	0.111694
606.723	594.036	2.78005577	0.112114
620.851	608.107	2.77425577	0.112434
633.508	620.711	2.76825577	0.112554
644.599	631.749	2.76215577	0.112374
654.057	641.159	2.75575577	0.112094
661.849	648.907	2.74915577	0.111614
667.976	654.991	2.74235577	0.110954
672.465	659.441	2.73535577	0.110124
675.376	662.316	2.72825577	0.109014
676.795	663.703	2.72095577	0.107744
676.979	663.872	2.71355577	0.106224
675.63	662.481	2.70595577	0.104564
673.336	660.162	2.69815577	0.102774
670.125	656.928	2.69025577	0.100774
666.18	652.963	2.68215577	0.098664
661.698	648.461	2.67385577	0.096454
656.877	643.623	2.66535577	0.094174
651.922	638.65	2.65675577	0.091724
647.032	633.743	2.64795577	0.089224
642.403	629.097	2.63885577	0.086774
638.219	624.896	2.62965577	0.084204
634.655	621.314	2.62025577	0.081614
631.868	618.509	2.61055577	0.079124
629.998	616.619	2.60075577	0.076534
629.166	615.758	2.59065577	0.074064
629.467	616.044	2.58045577	0.071524
630.977	617.529	2.56995577	0.069104
633.744	620.27	2.55925577	0.066734
637.791	624.288	2.54835577	0.064414
643.117	629.583	2.53725577	0.062144
649.693	636.128	2.52595577	0.059944
657.469	643.869	2.51445577	0.057804
666.369	652.733	2.50275577	0.055734
676.297	662.623	2.49095577	0.053634
687.137	673.424	2.47895577	0.051604
698.757	685.004	2.46685577	0.049564
711.011	697.216	2.45455577	0.047594
723.74	709.904	2.44225577	0.045514
736.779	722.901	2.42975577	0.043514
749.957	736.037	2.41725577	0.041394
763.102	749.14	2.40465577	0.039264
776.044	762.04	2.39205577	0.037014
788.615	774.57	2.37935577	0.034754
800.657	786.574	2.36665577	0.032384

812.024	797.903	2.35395577	0.029894
822.579	808.422	2.34135577	0.027204
832.203	818.012	2.32865577	0.024504
840.794	826.57	2.31605577	0.021604
848.266	834.013	2.30345577	0.018604
854.557	840.276	2.29095577	0.015404
859.622	845.316	2.27855577	0.012004
863.438	849.11	2.26615577	0.008534
866.006	851.657	2.25385577	0.004864
867.343	852.977	2.24165577	0.001034
867.563	853.189	2.22955577	-0.00298
866.508	852.114	2.21745577	-0.00705
864.472	850.067	2.20545577	-0.01128
861.477	847.063	2.19355577	-0.01565
857.631	843.21	2.18175577	-0.02016
853.055	838.63	2.16995577	-0.0247
847.882	833.452	2.15825577	-0.02937
842.25	827.818	2.14665577	-0.03415
836.305	821.871	2.13505577	-0.03893
830.194	815.76	2.12345577	-0.04371
824.066	809.632	2.11195577	-0.04858
818.067	803.633	2.10045577	-0.05342
812.337	797.903	2.08905577	-0.05833
807.011	792.576	2.07755577	-0.06311
802.21	787.776	2.06615577	-0.06794
798.049	783.613	2.05465577	-0.07262
794.623	780.185	2.04325577	-0.07734
792.017	777.576	2.03175577	-0.08189
790.296	775.851	2.02035577	-0.08648
789.472	775.019	2.00885577	-0.09088
789.679	775.223	1.99735577	-0.09521
790.823	776.359	1.98585577	-0.09946
792.929	778.456	1.97435577	-0.10361
795.969	781.487	1.96285577	-0.10769
799.897	785.403	1.95135577	-0.11167
804.648	790.143	1.93975577	-0.11546
810.144	795.626	1.92825577	-0.11927
816.289	801.758	1.91675577	-0.12298
822.977	808.431	1.90525577	-0.12661
830.089	815.53	1.89385577	-0.13025
837.5	822.926	1.88235577	-0.13371
845.076	830.489	1.87105577	-0.13729
852.681	838.08	1.85965577	-0.14069
860.177	845.564	1.84845577	-0.14422
867.426	852.801	1.83725577	-0.14768
874.295	859.66	1.82615577	-0.15117
880.656	866.013	1.81505577	-0.15459
886.388	871.738	1.80415577	-0.15816
891.381	876.726	1.79335577	-0.16177
895.536	880.878	1.78265577	-0.16543
898.766	884.107	1.77205577	-0.16914
901	886.344	1.76155577	-0.17291
902.183	887.531	1.75115577	-0.17673
902.367	887.718	1.74095577	-0.18072
901.252	886.617	1.73085577	-0.18477

899.109	884.488	1.72085577	-0.18888
895.858	881.252	1.71095577	-0.19307
891.527	876.939	1.70115577	-0.19732
886.159	871.593	1.69155577	-0.20175
879.813	865.271	1.68205577	-0.20624
872.563	858.046	1.67255577	-0.21072
864.493	850.005	1.66315577	-0.21527
855.701	841.243	1.65395577	-0.21999
846.291	831.866	1.64465577	-0.22459
836.376	821.986	1.63555577	-0.22937
826.076	811.721	1.62645577	-0.23413
815.51	801.192	1.61735577	-0.23887
804.8	790.522	1.60825577	-0.24359
794.068	779.829	1.59925577	-0.24839
783.431	769.232	1.59015577	-0.25307
773.001	758.843	1.58105577	-0.25774
762.883	748.765	1.57195577	-0.2624
753.171	739.094	1.56275577	-0.26694
743.949	729.914	1.55355577	-0.27148
735.291	721.296	1.54435577	-0.27602
727.253	713.299	1.53495577	-0.28036
719.879	705.966	1.52555577	-0.2847
713.198	699.325	1.51605577	-0.28896
707.222	693.389	1.50635577	-0.29303
701.948	688.154	1.49665577	-0.29713
697.358	683.601	1.48675577	-0.30106
693.416	679.698	1.47685577	-0.30504
690.074	676.394	1.46675577	-0.30886
687.271	673.629	1.45655577	-0.31265
684.933	671.328	1.44615577	-0.3163
682.975	669.407	1.43565577	-0.31993
681.305	667.774	1.42505577	-0.32356
679.821	666.328	1.41425577	-0.32708
678.42	664.966	1.40335577	-0.33062
676.993	663.578	1.39235577	-0.33419
675.434	662.058	1.38115577	-0.33769
673.634	660.299	1.36985577	-0.34125
671.493	658.199	1.35835577	-0.34476
668.913	655.661	1.34675577	-0.34835
665.805	652.597	1.33505577	-0.35202
662.091	648.928	1.32315577	-0.3557
657.702	644.586	1.31105577	-0.35938
652.584	639.516	1.29885577	-0.36318
646.696	633.677	1.28645577	-0.36702
640.011	627.043	1.27385577	-0.37089
632.518	619.602	1.26105577	-0.37482
624.223	611.36	1.24815577	-0.37891
615.145	602.337	1.23505577	-0.38307
605.32	592.568	1.22165577	-0.3872
594.8	582.104	1.20815577	-0.39152
583.648	571.01	1.19435577	-0.39584
571.942	559.362	1.18025577	-0.40015
559.771	547.25	1.16595577	-0.40457
547.233	534.771	1.15145577	-0.4091
534.435	522.032	1.13655577	-0.41355

521.493	509.146	1.12145577	-0.41812
508.532	496.238	1.10595577	-0.42261
495.683	483.442	1.09015577	-0.42713
483.083	470.891	1.07405577	-0.43166
470.864	458.721	1.05755577	-0.43612
459.157	447.06	1.04065577	-0.44049
448.085	436.031	1.02345577	-0.44488
437.762	425.75	1.00575577	-0.44908
428.29	416.317	0.98775577	-0.4533
419.757	407.82	0.96925577	-0.45734
412.234	400.332	0.95035577	-0.46128
405.777	393.905	0.93105577	-0.46514
400.42	388.576	0.91135577	-0.46891
396.179	384.36	0.89115577	-0.4725
393.049	381.253	0.87045577	-0.4759
391.007	379.231	0.84935577	-0.47922
390.009	378.251	0.82785577	-0.48246
389.884	378.133	0.80585577	-0.48553
390.886	379.155	0.78335577	-0.48842
392.591	380.87	0.76045577	-0.49123
395.004	383.292	0.73715577	-0.49398
398.012	386.306	0.71335577	-0.49657
401.491	389.79	0.68915577	-0.4991
405.317	393.619	0.66455577	-0.50157
409.363	397.667	0.63945577	-0.50389
413.502	401.807	0.61395577	-0.50616
417.614	405.919	0.58805577	-0.50839
421.586	409.89	0.56175577	-0.51058
425.314	413.617	0.53515577	-0.51283
428.708	417.008	0.50805577	-0.51494
431.69	419.987	0.48055577	-0.51702
434.198	422.492	0.45275577	-0.51916
436.19	424.48	0.42455577	-0.52127
437.637	425.923	0.39595577	-0.52334
438.53	426.812	0.36705577	-0.52547
438.876	427.154	0.33775577	-0.52757
438.7	426.974	0.30805577	-0.52962
438.04	426.309	0.27805577	-0.53173
436.949	425.213	0.24765577	-0.53378
435.492	423.75	0.21695577	-0.53588
433.745	421.998	0.18585577	-0.53792
431.794	420.04	0.15435577	-0.53988
429.73	417.968	0.12255577	-0.54187
427.65	415.878	0.09045577	-0.54387
425.65	413.868	0.05795577	-0.54577
423.828	412.035	0.02505577	-0.54757
422.281	410.474	-0.00814423	-0.54936
421.097	409.276	-0.04174423	-0.55103
420.362	408.524	-0.07564423	-0.55266
420.151	408.294	-0.10994423	-0.55416
420.528	408.65	-0.14454423	-0.5556
421.548	409.648	-0.17954423	-0.55688
423.254	411.329	-0.21494423	-0.558
425.675	413.722	-0.25054423	-0.55914
428.827	416.844	-0.28654423	-0.56009

432.713	420.698	-0.32294423	-0.56084
437.324	425.274	-0.35964423	-0.56149
442.64	430.553	-0.39664423	-0.56203
448.627	436.501	-0.43394423	-0.56244
455.245	443.077	-0.47144423	-0.56283
462.443	450.231	-0.50934423	-0.56298
470.164	457.906	-0.54754423	-0.56298
478.346	466.04	-0.58604423	-0.56282
486.925	474.568	-0.62474423	-0.5626
495.833	483.424	-0.66364423	-0.5623
505.005	492.541	-0.70284423	-0.56182
514.376	501.855	-0.74224423	-0.56125
523.886	511.307	-0.78184423	-0.56058
533.48	520.84	-0.82164423	-0.55979
543.11	530.408	-0.86174423	-0.55877
552.734	539.967	-0.90184423	-0.55782
562.32	549.486	-0.94224423	-0.55662
571.844	558.941	-0.98274423	-0.55536
581.291	568.317	-1.02334423	-0.55402
590.656	577.61	-1.06404423	-0.55259
599.943	586.822	-1.10494423	-0.55095
609.164	595.966	-1.14594423	-0.54919
618.341	605.064	-1.18694423	-0.5474
627.5	614.142	-1.22804423	-0.54544
636.674	623.233	-1.26924423	-0.54332
645.903	632.375	-1.31054423	-0.541
655.229	641.611	-1.35184423	-0.53857
664.702	650.989	-1.39314423	-0.53601
674.372	660.562	-1.43454423	-0.5332
684.299	670.386	-1.47584423	-0.53033
694.538	680.517	-1.51724423	-0.52717
705.147	691.015	-1.55854423	-0.5239
716.181	701.931	-1.59994423	-0.52031
727.69	713.317	-1.64114423	-0.51668
739.715	725.214	-1.68244423	-0.51268
752.287	737.652	-1.72364423	-0.50851
765.425	750.651	-1.76474423	-0.50413
779.13	764.209	-1.80574423	-0.49954
793.385	778.318	-1.84664423	-0.49472
808.174	792.965	-1.88744423	-0.48965
823.492	808.146	-1.92814423	-0.4843
839.349	823.874	-1.96864423	-0.47878
855.771	840.173	-2.00894423	-0.47306
872.795	857.081	-2.04914423	-0.46702
890.468	874.642	-2.08914423	-0.46075
908.837	892.905	-2.12884423	-0.45434
927.949	911.913	-2.16834423	-0.44767
947.835	931.698	-2.20754423	-0.44083
968.515	952.277	-2.24654423	-0.4337
989.986	973.648	-2.28514423	-0.42648
1012.22	995.786	-2.32334423	-0.41916
1035.18	1018.64	-2.36124423	-0.41161
1058.78	1042.14	-2.39874423	-0.40394
1082.94	1066.2	-2.43584423	-0.39613
1107.54	1090.7	-2.47244423	-0.38827

1132.45	1115.51	-2.50854423	-0.38037
1157.54	1140.51	-2.54414423	-0.3724
1182.65	1165.53	-2.57924423	-0.36437
1207.64	1190.42	-2.61374423	-0.35637
1232.35	1215.04	-2.64764423	-0.34839
1256.62	1239.23	-2.68094423	-0.34042
1280.29	1262.82	-2.71354423	-0.33257
1303.21	1285.65	-2.74544423	-0.32483
1325.21	1307.57	-2.77674423	-0.31709
1346.14	1328.43	-2.80724423	-0.30955
1365.86	1348.08	-2.83704423	-0.30211
1384.22	1366.39	-2.86604423	-0.29485
1401.12	1383.22	-2.89424423	-0.28779
1416.42	1398.48	-2.92164423	-0.28091
1430.05	1412.05	-2.94824423	-0.2742
1441.91	1423.87	-2.97394423	-0.26778
1451.95	1433.88	-2.99884423	-0.26152
1460.13	1442.03	-3.02294423	-0.25543
1466.45	1448.32	-3.04604423	-0.2497
1470.9	1452.75	-3.06834423	-0.24413
1473.52	1455.35	-3.08984423	-0.23871
1474.36	1456.19	-3.11034423	-0.23364
1473.5	1455.33	-3.13004423	-0.22872
1471.04	1452.86	-3.14884423	-0.22403
1467.09	1448.92	-3.16674423	-0.21957
1461.77	1443.61	-3.18384423	-0.21524
1455.23	1437.08	-3.20004423	-0.21113
1447.62	1429.48	-3.21544423	-0.20713
1439.08	1420.97	-3.23004423	-0.20325
1429.79	1411.69	-3.24374423	-0.19958
1419.89	1401.82	-3.25674423	-0.19591
1409.55	1391.5	-3.26884423	-0.19244
1398.92	1380.9	-3.28024423	-0.18896
1388.16	1370.17	-3.29084423	-0.18558
1377.42	1359.46	-3.30074423	-0.18218
1366.84	1348.91	-3.30984423	-0.17887
1356.56	1338.65	-3.31824423	-0.17555
1346.69	1328.82	-3.32594423	-0.17221
1337.36	1319.53	-3.33294423	-0.16885
1328.68	1310.87	-3.33934423	-0.16538
1320.74	1302.96	-3.34504423	-0.1619
1313.6	1295.86	-3.35004423	-0.1584
1307.35	1289.63	-3.35444423	-0.15479
1302.01	1284.32	-3.35814423	-0.15118
1297.61	1279.95	-3.36124423	-0.14747
1294.16	1276.52	-3.36374423	-0.14366
1291.64	1274.02	-3.36564423	-0.13976
1290.01	1272.42	-3.36694423	-0.13578
1289.21	1271.64	-3.36764423	-0.13173
1289.11	1271.55	-3.36764423	-0.12771
1289.82	1272.3	-3.36714423	-0.12353
1291.04	1273.53	-3.36594423	-0.11941
1292.7	1275.21	-3.36414423	-0.11525
1294.69	1277.23	-3.36184423	-0.11097
1296.88	1279.44	-3.35884423	-0.10677

1299.13	1281.7	-3.35524423	-0.10257
1301.29	1283.89	-3.35104423	-0.09839
1303.24	1285.86	-3.34624423	-0.09423
1304.83	1287.48	-3.34074423	-0.09021
1305.93	1288.61	-3.33474423	-0.08613
1306.42	1289.12	-3.32804423	-0.08222
1306.17	1288.91	-3.32084423	-0.07828
1305.09	1287.87	-3.31294423	-0.07454
1303.07	1285.89	-3.30434423	-0.07099
1300.03	1282.89	-3.29524423	-0.06746
1295.9	1278.8	-3.28554423	-0.06405
1290.61	1273.56	-3.27524423	-0.06079
1284.13	1267.13	-3.26424423	-0.05777
1276.41	1259.47	-3.25274423	-0.05482
1267.46	1250.58	-3.24074423	-0.05195
1257.26	1240.45	-3.22804423	-0.04937
1245.86	1229.11	-3.21484423	-0.04688
1233.27	1216.59	-3.20114423	-0.0445
1219.55	1202.95	-3.18694423	-0.04225
1204.77	1188.25	-3.17214423	-0.04023
1189.02	1172.58	-3.15694423	-0.03826
1172.38	1156.02	-3.14124423	-0.03644
1154.96	1138.69	-3.12514423	-0.03469
1136.89	1120.71	-3.10864423	-0.03301
1118.28	1102.2	-3.09164423	-0.03152
1099.27	1083.28	-3.07434423	-0.03004
1079.99	1064.09	-3.05674423	-0.02856
1060.57	1044.76	-3.03874423	-0.02721
1041.14	1025.43	-3.02054423	-0.02579
1021.84	1006.22	-3.00194423	-0.02451
1002.79	987.263	-2.98314423	-0.02319
984.1	968.672	-2.96414423	-0.02184
965.891	950.556	-2.94494423	-0.02048
948.259	933.016	-2.92554423	-0.0191
931.295	916.141	-2.90594423	-0.01774
915.078	900.012	-2.88624423	-0.01629
899.675	884.695	-2.86644423	-0.01478
885.144	870.246	-2.84654423	-0.01321
871.528	856.711	-2.82654423	-0.0116
858.863	844.122	-2.80654423	-0.00986
847.171	832.503	-2.78644423	-0.00811
836.462	821.864	-2.76624423	-0.00636
826.741	812.207	-2.74614423	-0.00442
817.998	803.526	-2.72594423	-0.0025
810.22	795.804	-2.70574423	-0.00052
803.383	789.019	-2.68564423	0.001614
797.461	783.144	-2.66544423	0.003684
792.421	778.146	-2.64534423	0.005884
788.226	773.988	-2.62534423	0.008214
784.839	770.632	-2.60524423	0.010444
782.221	768.041	-2.58524423	0.012784
780.333	766.174	-2.56534423	0.015214
779.138	764.994	-2.54544423	0.017634
778.566	764.436	-2.52554423	0.020044
778.685	764.556	-2.50574423	0.022524

779.365	765.236	-2.48604423	0.025094
780.615	766.48	-2.46634423	0.027634
782.412	768.267	-2.44664423	0.030144
784.74	770.58	-2.42704423	0.032734
787.588	773.407	-2.40754423	0.035394
790.945	776.739	-2.38794423	0.037934
794.808	780.572	-2.36854423	0.040654
799.175	784.905	-2.34904423	0.043264
804.048	789.739	-2.32964423	0.045954
809.429	795.077	-2.31024423	0.048654
815.323	800.924	-2.29084423	0.051344
821.735	807.285	-2.27144423	0.054044
828.667	814.164	-2.25204423	0.056764
836.123	821.563	-2.23264423	0.059504
844.104	829.484	-2.21324423	0.062274
852.608	837.925	-2.19384423	0.065084
861.63	846.882	-2.17434423	0.067844
871.162	856.347	-2.15484423	0.070664
881.19	866.307	-2.13524423	0.073444
891.698	876.744	-2.11564423	0.076304
902.663	887.638	-2.09584423	0.079044
914.055	898.958	-2.07604423	0.081884
925.842	910.673	-2.05614423	0.084714
937.983	922.741	-2.03604423	0.087474
950.433	935.119	-2.01594423	0.090344
963.141	947.755	-1.99554423	0.093034
976.05	960.595	-1.97504423	0.095774
989.101	973.576	-1.95444423	0.098554
1002.23	986.635	-1.93354423	0.101194
1015.36	999.703	-1.91244423	0.103794
1028.43	1012.71	-1.89114423	0.106364
1041.36	1025.58	-1.86964423	0.108914
1054.08	1038.24	-1.84784423	0.111344
1066.51	1050.61	-1.82574423	0.113664
1078.57	1062.62	-1.80334423	0.115894
1090.2	1074.19	-1.78074423	0.118124
1101.31	1085.25	-1.75774423	0.120174
1111.84	1095.73	-1.73444423	0.122144
1121.72	1105.57	-1.71084423	0.124034
1130.9	1114.71	-1.68684423	0.125764
1139.32	1123.08	-1.66254423	0.127434
1146.93	1130.66	-1.63784423	0.128944
1153.69	1137.39	-1.61274423	0.130314
1159.58	1143.25	-1.58724423	0.131544
1164.58	1148.22	-1.56134423	0.132634
1168.66	1152.28	-1.53514423	0.133694
1171.83	1155.43	-1.50844423	0.134534
1174.1	1157.68	-1.48144423	0.135354
1175.48	1159.05	-1.45394423	0.135954
1176	1159.56	-1.42604423	0.136454
1175.69	1159.24	-1.39784423	0.136944
1174.6	1158.14	-1.36914423	0.137234
1172.78	1156.32	-1.34004423	0.137434
1170.28	1153.82	-1.31064423	0.137644
1167.17	1150.71	-1.28074423	0.137654

1163.5	1147.05	-1.25054423	0.137694
1159.37	1142.92	-1.21994423	0.137644
1154.83	1138.39	-1.18894423	0.137514
1149.96	1133.54	-1.15754423	0.137304
1144.84	1128.43	-1.12584423	0.137124
1139.54	1123.14	-1.09384423	0.136964
1134.13	1117.75	-1.06144423	0.136727
1128.67	1112.31	-1.02874423	0.136514
1123.24	1106.89	-0.99564423	0.136223
1117.88	1101.55	-0.96224423	0.135952
1112.64	1096.34	-0.92864423	0.135799
1107.58	1091.29	-0.89464423	0.13556
1102.72	1086.45	-0.86034423	0.135332
1098.09	1081.85	-0.82584423	0.13521
1093.7	1077.49	-0.79094423	0.134989
1089.58	1073.39	-0.75584423	0.134862
1085.72	1069.55	-0.72044423	0.134724
1082.1	1065.96	-0.68484423	0.134667
1078.72	1062.61	-0.64894423	0.134583
1075.55	1059.47	-0.61284423	0.134563
1072.56	1056.5	-0.57644423	0.134498
1069.7	1053.68	-0.53984423	0.13448
1066.94	1050.95	-0.50294423	0.134396
1064.22	1048.26	-0.46584423	0.134338
1061.49	1045.56	-0.42854423	0.134293
1058.69	1042.8	-0.39104423	0.13425
1055.77	1039.9	-0.35324423	0.134097
1052.65	1036.82	-0.31534423	0.134022
1049.28	1033.5	-0.27714423	0.133812
1045.61	1029.86	-0.23874423	0.133556
1041.57	1025.86	-0.20024423	0.133339
1037.12	1021.45	-0.16144423	0.132949
1032.19	1016.57	-0.12254423	0.132573
1026.76	1011.19	-0.08344423	0.132097
1020.78	1005.26	-0.04414423	0.13151
1014.23	998.755	-0.00474423	0.130896
1007.07	991.652	0.03485577	0.130144
999.299	983.935	0.07455577	0.12934
990.902	975.596	0.11445577	0.128371
981.883	966.635	0.15445577	0.127326
972.247	957.061	0.19455577	0.12619
962.013	946.89	0.23475577	0.124951
951.203	936.146	0.27495577	0.123698
939.849	924.859	0.31535577	0.122217
927.988	913.067	0.35575577	0.120697
915.664	900.812	0.39615577	0.119126
902.938	888.15	0.43665577	0.117392
889.875	875.156	0.47715577	0.115587
876.557	861.905	0.51765577	0.113699
863.061	848.478	0.55805577	0.111822
849.468	834.954	0.59845577	0.109845
835.859	821.414	0.63885577	0.107759
822.31	807.936	0.67915577	0.105654
808.898	794.593	0.71935577	0.103523
795.691	781.457	0.75945577	0.101356

782.756	768.591	0.79945577	0.099143
770.15	756.055	0.83935577	0.096874
757.924	743.898	0.87905577	0.094641
746.121	732.165	0.91855577	0.092434
734.776	720.887	0.95795577	0.090134
723.911	710.091	0.99715577	0.087854
713.544	699.79	1.03615577	0.085554
703.679	689.992	1.07495577	0.083244
694.313	680.692	1.11345577	0.081004
685.433	671.876	1.15175577	0.078734
677.017	663.524	1.18985577	0.076404
669.034	655.605	1.22765577	0.074114
661.449	648.082	1.26525577	0.071754
654.215	640.911	1.30255577	0.069404
647.284	634.041	1.33955577	0.067054
640.602	627.42	1.37635577	0.064604
634.111	620.989	1.41275577	0.062234
627.751	614.689	1.44885577	0.059824
621.463	608.461	1.48475577	0.057264
615.187	602.243	1.52025577	0.054754
608.864	595.979	1.55555577	0.052084
602.44	589.614	1.59035577	0.049524
595.866	583.097	1.62495577	0.046774
589.094	576.383	1.65925577	0.043924
582.087	569.434	1.69315577	0.041064
574.812	562.216	1.72665577	0.038184
567.247	554.708	1.75985577	0.035174
559.375	546.893	1.79265577	0.032114
551.19	538.764	1.82515577	0.028924
542.695	530.326	1.85715577	0.025764
533.903	521.588	1.88885577	0.022444
524.833	512.573	1.92015577	0.019054
515.515	503.309	1.95105577	0.015594
505.987	493.835	1.98155577	0.012044
496.294	484.195	2.01155577	0.008514
486.488	474.441	2.04115577	0.004894
476.628	464.631	2.07035577	0.001164
466.774	454.827	2.09905577	-0.00256
456.995	445.095	2.12725577	-0.00628
447.357	435.505	2.15495577	-0.01001
437.931	426.124	2.18225577	-0.01385
428.786	417.021	2.20905577	-0.01771
419.988	408.266	2.23525577	-0.02147
411.604	399.921	2.26105577	-0.02536
403.693	392.048	2.28625577	-0.02916
396.311	384.701	2.31095577	-0.03298
389.506	377.93	2.33505577	-0.03672
383.321	371.777	2.35865577	-0.04049
377.789	366.274	2.38165577	-0.04418
372.934	361.446	2.40415577	-0.0479
368.774	357.31	2.42615577	-0.05165
365.314	353.872	2.44745577	-0.05523
362.551	351.129	2.46825577	-0.05884
360.473	349.069	2.48845577	-0.06238
359.06	347.671	2.50815577	-0.06596

358.282	346.906	2.52725577	-0.06948
358.102	346.736	2.54575577	-0.07294
358.477	347.12	2.56365577	-0.07633
359.357	348.006	2.58105577	-0.07977
360.69	349.343	2.59785577	-0.08316
362.418	351.073	2.61405577	-0.08649
364.482	353.138	2.62975577	-0.08986
366.824	355.478	2.64485577	-0.09319
369.385	358.035	2.65935577	-0.09646
372.108	360.753	2.67335577	-0.09977
374.939	363.578	2.68685577	-0.10314
377.831	366.461	2.69975577	-0.10645
380.739	369.359	2.71215577	-0.10981
383.625	372.234	2.72405577	-0.11322
386.459	375.055	2.73535577	-0.11656
389.217	377.798	2.74615577	-0.11995
391.883	380.449	2.75635577	-0.12327
394.449	382.998	2.76615577	-0.12673
396.913	385.444	2.77535577	-0.13011
399.284	387.795	2.78415577	-0.13362
401.574	390.065	2.79235577	-0.13705
403.804	392.273	2.80005577	-0.14048
406	394.446	2.80725577	-0.14393
408.192	396.614	2.81395577	-0.14738
410.418	398.814	2.82025577	-0.15091
412.713	401.083	2.82595577	-0.15434
415.12	403.462	2.83115577	-0.15774
417.68	405.992	2.83595577	-0.16121
420.434	408.716	2.84025577	-0.16464
423.423	411.673	2.84405577	-0.16803
426.685	414.903	2.84735577	-0.17135
430.257	418.441	2.85015577	-0.17462
434.17	422.318	2.85255577	-0.17791
438.45	426.562	2.85445577	-0.18112
443.12	431.195	2.85595577	-0.18434
448.195	436.231	2.85695577	-0.18746
453.685	441.682	2.85755577	-0.19057
459.594	447.55	2.85775577	-0.19367
465.918	453.833	2.85745577	-0.19664
472.648	460.521	2.85675577	-0.19958
479.769	467.598	2.85555577	-0.20237
487.26	475.044	2.85405577	-0.20522
495.093	482.832	2.85215577	-0.20801
503.237	490.931	2.84985577	-0.21073
511.656	499.303	2.84715577	-0.21338
520.311	507.911	2.84415577	-0.21604
529.158	516.711	2.84075577	-0.21862
538.154	525.659	2.83695577	-0.2211
547.253	534.709	2.83295577	-0.22367
556.408	543.815	2.82855577	-0.22614
565.573	552.931	2.82385577	-0.22858
574.702	562.012	2.81885577	-0.23099
583.753	571.015	2.81355577	-0.23337
592.685	579.898	2.80795577	-0.2357
601.458	588.623	2.80215577	-0.23808

610.039	597.156	2.79605577	-0.2404
618.397	605.467	2.78975577	-0.24275
626.506	613.528	2.78325577	-0.24513
634.343	621.318	2.77645577	-0.24741
641.892	628.821	2.76945577	-0.24971
649.14	636.025	2.76225577	-0.252
656.081	642.921	2.75485577	-0.25428
662.713	649.509	2.74735577	-0.25664
669.038	655.79	2.73955577	-0.25888
675.062	661.772	2.73165577	-0.26117
680.798	667.466	2.72355577	-0.26341
686.261	672.887	2.71535577	-0.2657
691.468	678.054	2.70695577	-0.26792
696.441	682.987	2.69845577	-0.27017
701.205	687.712	2.68975577	-0.27234
705.784	692.252	2.68105577	-0.27461
710.206	696.636	2.67215577	-0.27678
714.498	700.891	2.66305577	-0.27883
718.688	705.045	2.65395577	-0.28097
722.803	709.124	2.64475577	-0.28308
726.869	713.155	2.63535577	-0.28506
730.911	717.162	2.62595577	-0.28709
734.95	721.167	2.61635577	-0.28896
739.006	725.19	2.60675577	-0.29088
743.097	729.247	2.59705577	-0.29273
747.234	733.352	2.58735577	-0.29461
751.427	737.513	2.57745577	-0.29631
755.682	741.736	2.56755577	-0.29803
759.999	746.024	2.55755577	-0.29965
764.377	750.372	2.54755577	-0.30127
768.808	754.773	2.53745577	-0.30279
773.282	759.219	2.52735577	-0.30431
777.783	763.692	2.51715577	-0.30571
782.294	768.176	2.50695577	-0.3071
786.792	772.648	2.49675577	-0.30848
791.252	777.084	2.48655577	-0.30983
795.648	781.456	2.47625577	-0.31105
799.951	785.737	2.46595577	-0.31225
804.129	789.893	2.45565577	-0.31342
808.151	793.896	2.44545577	-0.31466
811.985	797.711	2.43515577	-0.31577
815.598	801.307	2.42485577	-0.31684
818.96	804.653	2.41455577	-0.31788
822.04	807.719	2.40435577	-0.31899
824.81	810.476	2.39415577	-0.32006
827.243	812.899	2.38385577	-0.32099
829.318	814.966	2.37375577	-0.32208
831.014	816.655	2.36355577	-0.32304
832.315	817.95	2.35345577	-0.32407
833.209	818.84	2.34335577	-0.32506
833.686	819.316	2.33325577	-0.32601
833.768	819.398	2.32325577	-0.32702
833.382	819.015	2.31325577	-0.32801
832.606	818.243	2.30325577	-0.32896
831.424	817.066	2.29335577	-0.32997

829.85	815.5	2.28345577	-0.33095
827.9	813.559	2.27355577	-0.33191
825.596	811.266	2.26375577	-0.33293
822.962	808.645	2.25395577	-0.33392
820.026	805.722	2.24415577	-0.33489
816.818	802.529	2.23435577	-0.33582
813.371	799.098	2.22455577	-0.33674
809.72	795.464	2.21485577	-0.33773
805.903	791.664	2.20505577	-0.33859
801.955	787.735	2.19535577	-0.33954
797.916	783.715	2.18555577	-0.34037
793.82	779.639	2.17585577	-0.34129
789.705	775.544	2.16605577	-0.34209
785.603	771.463	2.15625577	-0.34288
781.548	767.429	2.14645577	-0.34366
777.567	763.469	2.13665577	-0.34443
773.686	759.609	2.12675577	-0.34511
769.926	755.871	2.11685577	-0.34578
766.307	752.273	2.10695577	-0.34646
762.841	748.828	2.09695577	-0.34704
759.539	745.547	2.08695577	-0.34764
756.404	742.434	2.07685577	-0.34815
753.44	739.49	2.06665577	-0.34859
750.642	736.712	2.05645577	-0.34904
748.004	734.094	2.04625577	-0.34953
745.516	731.626	2.03585577	-0.34984
743.165	729.295	2.02545577	-0.35019
740.935	727.084	2.01505577	-0.35058
738.809	724.976	2.00445577	-0.35082
736.767	722.953	1.99385577	-0.35111
734.79	720.994	1.98315577	-0.35135
732.858	719.079	1.97235577	-0.35155
730.951	717.189	1.96155577	-0.35181
729.05	715.304	1.95055577	-0.35193
727.139	713.409	1.93955577	-0.35213
725.203	711.488	1.92845577	-0.35229
723.229	709.529	1.91725577	-0.35243
721.209	707.524	1.90595577	-0.35255
719.137	705.466	1.89455577	-0.35266
717.011	703.353	1.88305577	-0.35274
714.835	701.189	1.87145577	-0.35281
712.614	698.98	1.85975577	-0.35286
710.359	696.735	1.84785577	-0.35281
708.084	694.471	1.83595577	-0.35284
705.81	692.205	1.82395577	-0.35285
703.558	689.961	1.81185577	-0.35286
701.354	687.764	1.79955577	-0.35275
699.228	685.642	1.78725577	-0.35273
697.211	683.629	1.77475577	-0.3526
695.338	681.758	1.76215577	-0.35245
693.643	680.063	1.74935577	-0.35218
692.164	678.583	1.73655577	-0.35199
690.937	677.352	1.72355577	-0.35168
689.995	676.406	1.71045577	-0.35135
689.371	675.776	1.69715577	-0.35088

689.087	675.482	1.68385577	-0.35049
689.178	675.568	1.67035577	-0.34996
689.648	676.03	1.65665577	-0.34929
690.514	676.884	1.64295577	-0.34868
691.779	678.137	1.62905577	-0.34792
693.441	679.786	1.61505577	-0.34711
695.491	681.822	1.60095577	-0.34625
697.916	684.231	1.58665577	-0.34523
700.692	686.991	1.57225577	-0.34414
703.795	690.076	1.55785577	-0.34309
707.192	693.455	1.54325577	-0.34187
710.848	697.091	1.52855577	-0.34056
714.724	700.947	1.51375577	-0.33918
718.78	704.981	1.49885577	-0.33771
722.973	709.151	1.48385577	-0.33616
727.261	713.416	1.46875577	-0.3345
731.604	717.734	1.45365577	-0.33285
735.961	722.067	1.43835577	-0.33099
740.298	726.377	1.42305577	-0.32913
744.58	730.633	1.40775577	-0.32725
748.78	734.806	1.39235577	-0.32526
752.873	738.871	1.37685577	-0.32314
756.841	742.811	1.36125577	-0.32091
760.668	746.61	1.34575577	-0.31874
764.347	750.26	1.33005577	-0.31634
767.872	753.755	1.31445577	-0.31402
771.242	757.097	1.29875577	-0.31154
774.462	760.288	1.28305577	-0.30904
777.539	763.336	1.26735577	-0.30649
780.479	766.249	1.25155577	-0.3038
783.296	769.037	1.23575577	-0.30106
785.998	771.712	1.21995577	-0.29828
788.599	774.289	1.20415577	-0.29545
791.115	776.781	1.18835577	-0.29257
793.562	779.205	1.17255577	-0.28964
795.955	781.578	1.15675577	-0.28666
798.313	783.917	1.14095577	-0.28363
800.649	786.237	1.12515577	-0.28056
802.978	788.551	1.10935577	-0.27743
805.31	790.87	1.09355577	-0.27426
807.654	793.203	1.07775577	-0.27104
810.013	795.552	1.06195577	-0.26778
812.388	797.918	1.04625577	-0.26457
814.774	800.298	1.03055577	-0.26133
817.164	802.681	1.01485577	-0.25805
819.547	805.058	0.99915577	-0.25473
821.911	807.417	0.98355577	-0.25148
824.246	809.747	0.96795577	-0.2482
826.539	812.035	0.95245577	-0.245
828.772	814.267	0.93695577	-0.24178
830.928	816.42	0.92145577	-0.23853
832.983	818.474	0.90605577	-0.23538
834.916	820.406	0.89065577	-0.23221
836.707	822.196	0.87535577	-0.22913
838.333	823.823	0.86015577	-0.22615

839.776	825.267	0.84495577	-0.22316
841.015	826.508	0.82985577	-0.22028
842.031	827.527	0.81475577	-0.21739
842.808	828.308	0.79975577	-0.2146
843.329	828.834	0.78485577	-0.21191
843.583	829.093	0.76995577	-0.20923
843.607	829.12	0.75515577	-0.20664
843.255	828.778	0.74045577	-0.20415
842.667	828.196	0.72575577	-0.20167
841.798	827.334	0.71115577	-0.19927
840.658	826.202	0.69665577	-0.19698
839.261	824.811	0.68215577	-0.19467
837.625	823.183	0.66775577	-0.19246
835.776	821.341	0.65345577	-0.19033
833.744	819.314	0.63915577	-0.18819
831.562	817.139	0.62485577	-0.18603
829.271	814.852	0.61075577	-0.18405
826.912	812.498	0.59655577	-0.18194
824.531	810.121	0.58255577	-0.18001
822.176	807.769	0.56845577	-0.17794
819.896	805.491	0.55445577	-0.17594
817.741	803.337	0.54055577	-0.174
815.76	801.356	0.52665577	-0.17201
813.999	799.595	0.51275577	-0.16998
812.505	798.098	0.49885577	-0.1679
811.317	796.908	0.48505577	-0.16587
810.474	796.06	0.47125577	-0.16378
810.006	795.587	0.45755577	-0.16173
809.922	795.499	0.44375577	-0.15952
810.298	795.864	0.43005577	-0.15734
811.09	796.647	0.41635577	-0.1551
812.325	797.871	0.40275577	-0.15289
814	799.535	0.38915577	-0.15061
816.109	801.632	0.37555577	-0.14826
818.636	804.145	0.36195577	-0.14584
821.56	807.054	0.34845577	-0.14344
824.851	810.33	0.33495577	-0.14097
828.476	813.939	0.32155577	-0.13852
832.396	817.842	0.30815577	-0.136
836.566	821.994	0.29485577	-0.13351
840.938	826.349	0.28155577	-0.13093
845.463	830.855	0.26835577	-0.12839
850.087	835.461	0.25515577	-0.12577
854.758	840.114	0.24205577	-0.12317
859.42	844.758	0.22905577	-0.12061
864.022	849.342	0.21615577	-0.11807
868.51	853.813	0.20335577	-0.11556
872.833	858.121	0.19065577	-0.11308
876.946	862.218	0.17805577	-0.11063
880.802	866.06	0.16545577	-0.10811
884.362	869.606	0.15305577	-0.10572
887.588	872.821	0.14075577	-0.10336
890.45	875.673	0.12855577	-0.10104
892.921	878.135	0.11655577	-0.09884
894.98	880.187	0.10455577	-0.09658

896.612	881.813	0.09275577	-0.09445
897.807	883.004	0.08105577	-0.09235
898.561	883.755	0.06955577	-0.09039
898.876	884.068	0.05805577	-0.08835
898.759	883.952	0.04675577	-0.08644
898.223	883.418	0.03555577	-0.08456
897.287	882.484	0.02455577	-0.0828
895.972	881.174	0.01365577	-0.08107
894.307	879.514	0.00285577	-0.07936
892.324	877.537	-0.00784423	-0.07767
890.056	875.277	-0.01834423	-0.07611
887.542	872.771	-0.02874423	-0.07455
884.821	870.059	-0.03904423	-0.07302
881.934	867.182	-0.04924423	-0.07149
878.925	864.183	-0.05934423	-0.06998
875.834	861.104	-0.06934423	-0.06848
872.704	857.985	-0.07924423	-0.06699
869.575	854.867	-0.08904423	-0.0655
866.484	851.788	-0.09874423	-0.06402
863.467	848.784	-0.10834423	-0.06255
860.556	845.885	-0.11784423	-0.06107
857.779	843.12	-0.12724423	-0.05961
855.16	840.514	-0.13654423	-0.05814
852.717	838.083	-0.14584423	-0.05658
850.464	835.844	-0.15504423	-0.05502
848.411	833.803	-0.16424423	-0.05336
846.56	831.965	-0.17324423	-0.05181
844.91	830.328	-0.18224423	-0.05017
843.452	828.883	-0.19124423	-0.04844
842.175	827.618	-0.20004423	-0.04681
841.06	826.516	-0.20884423	-0.0451
840.086	825.555	-0.21764423	-0.04331
839.227	824.71	-0.22634423	-0.04153
838.454	823.95	-0.23494423	-0.03978
837.734	823.243	-0.24354423	-0.03795
837.033	822.556	-0.25214423	-0.03606
836.315	821.853	-0.26064423	-0.03419
835.544	821.097	-0.26904423	-0.03237
834.683	820.251	-0.27744423	-0.03048
833.698	819.281	-0.28574423	-0.02865
832.553	818.153	-0.29404423	-0.02676
831.219	816.835	-0.30224423	-0.02493
829.665	815.298	-0.31044423	-0.02306
827.868	813.519	-0.31854423	-0.02125
825.807	811.477	-0.32664423	-0.01941
823.468	809.156	-0.33474423	-0.01754
820.839	806.546	-0.34274423	-0.01575
817.916	803.643	-0.35074423	-0.01394
814.699	800.447	-0.35874423	-0.01212
811.197	796.966	-0.36664423	-0.01038
807.423	793.211	-0.37464423	-0.00853
803.395	789.204	-0.38254423	-0.00677
799.141	784.971	-0.39034423	-0.00512
794.695	780.544	-0.39824423	-0.00336
790.093	775.962	-0.40614423	-0.0016

785.381	771.269	-0.41404423	0.00015
780.606	766.513	-0.42194423	0.001897
775.819	761.744	-0.42984423	0.003635
771.075	757.017	-0.43774423	0.005363
766.428	752.386	-0.44574423	0.007179
761.934	747.907	-0.45364423	0.008883
757.646	743.633	-0.46174423	0.010772
753.616	739.617	-0.46974423	0.012545
749.893	735.906	-0.47784423	0.0144
746.521	732.545	-0.48604423	0.016337
743.54	729.574	-0.49424423	0.018254
740.981	727.024	-0.50254423	0.02025
738.872	724.922	-0.51084423	0.022223
737.231	723.287	-0.51924423	0.024271
736.068	722.129	-0.52774423	0.026394
735.386	721.45	-0.53624423	0.028489
735.179	721.245	-0.54484423	0.030655
735.432	721.5	-0.55354423	0.032889
736.125	722.192	-0.56224423	0.03509
737.226	723.293	-0.57104423	0.037357
738.7	724.764	-0.57984423	0.039585
740.502	726.563	-0.58884423	0.041975
742.584	728.641	-0.59784423	0.044322
744.891	730.944	-0.60684423	0.046626
747.368	733.415	-0.61594423	0.048983
749.952	735.995	-0.62504423	0.051291
752.585	738.622	-0.63424423	0.053649
755.203	741.235	-0.64354423	0.056053
757.748	743.774	-0.65284423	0.058402
760.16	746.181	-0.66214423	0.060693
762.384	748.401	-0.67154423	0.063026
764.371	750.384	-0.68094423	0.065297
766.075	752.085	-0.69034423	0.067505
767.457	753.465	-0.69984423	0.069749
768.485	754.492	-0.70934423	0.071927
769.135	755.142	-0.71884423	0.074038
769.389	755.397	-0.72834423	0.076082
769.24	755.249	-0.73794423	0.078157
768.687	754.699	-0.74754423	0.080163
767.737	753.752	-0.75714423	0.0821
766.407	752.427	-0.76684423	0.084067
764.719	750.745	-0.77644423	0.085864
762.704	748.736	-0.78614423	0.087693
760.396	746.435	-0.79594423	0.089552
757.836	743.882	-0.80564423	0.091244
755.071	741.125	-0.81544423	0.092968
752.15	738.211	-0.82534423	0.094727
749.128	735.196	-0.83524423	0.096422
746.059	732.134	-0.84514423	0.098055
743.004	729.085	-0.85514423	0.099728
740.023	726.109	-0.86514423	0.101343
737.177	723.266	-0.87524423	0.103002
734.526	720.617	-0.88544423	0.10471
732.132	718.224	-0.89564423	0.10637
730.054	716.144	-0.90594423	0.108084

728.351	714.437	-0.91624423	0.109758
727.079	713.158	-0.92664423	0.111495
726.292	712.361	-0.93714423	0.113301
726.043	712.098	-0.94774423	0.11518
726.38	712.419	-0.95834423	0.11704
727.352	713.369	-0.96904423	0.118985
729.001	714.994	-0.97984423	0.121024
731.37	717.333	-0.99064423	0.123062
734.497	720.426	-1.00154423	0.125209
738.419	724.308	-1.01254423	0.127472
743.167	729.012	-1.02354423	0.129761
748.771	734.567	-1.03464423	0.132185
755.258	741	-1.04574423	0.134654
762.65	748.332	-1.05684423	0.137179
770.964	756.583	-1.06804423	0.139871
780.215	765.764	-1.07924423	0.142642
790.41	775.886	-1.09044423	0.145504
801.552	786.949	-1.10164423	0.148468
813.635	798.95	-1.11284423	0.151547
826.649	811.877	-1.12394423	0.154654
840.574	825.712	-1.13504423	0.157902
855.383	840.428	-1.14604423	0.161203
871.04	855.988	-1.15704423	0.16467
887.499	872.349	-1.16784423	0.168116
904.707	889.457	-1.17854423	0.171654
922.601	907.25	-1.18914423	0.175294
941.109	925.655	-1.19954423	0.178944
960.151	944.593	-1.20974423	0.182624
979.638	963.977	-1.21974423	0.186334
999.476	983.712	-1.22954423	0.190094
1019.56	1003.7	-1.23904423	0.193814
1039.8	1023.83	-1.24824423	0.197494
1060.07	1043.99	-1.25714423	0.201154
1080.26	1064.09	-1.26574423	0.204794
1100.27	1084	-1.27404423	0.208424
1119.98	1103.62	-1.28184423	0.211854
1139.28	1122.83	-1.28934423	0.215294
1158.05	1141.52	-1.29634423	0.218544
1176.18	1159.56	-1.30294423	0.221714
1193.54	1176.84	-1.30904423	0.224724
1210.02	1193.25	-1.31474423	0.227664
1225.51	1208.68	-1.31984423	0.230344
1239.89	1223	-1.32444423	0.232874
1253.07	1236.12	-1.32844423	0.235164
1264.93	1247.94	-1.33194423	0.237314
1275.39	1258.36	-1.33494423	0.239324
1284.36	1267.3	-1.33724423	0.241024
1291.77	1274.68	-1.33894423	0.242494
1297.57	1280.46	-1.34014423	0.243854
1301.72	1284.59	-1.34064423	0.244904
1304.17	1287.04	-1.34054423	0.245754
1304.94	1287.8	-1.33984423	0.246404
1304.02	1286.88	-1.33844423	0.246764
1301.44	1284.31	-1.33654423	0.247044
1297.25	1280.13	-1.33394423	0.247034

1291.51	1274.41	-1.33084423	0.246954
1284.32	1267.23	-1.32704423	0.246604
1275.76	1258.69	-1.32274423	0.246184
1265.95	1248.92	-1.31774423	0.245504
1255.04	1238.03	-1.31224423	0.244774
1243.15	1226.19	-1.30624423	0.243984
1230.46	1213.53	-1.29964423	0.243044
1217.13	1200.23	-1.29254423	0.242054
1203.32	1186.47	-1.28494423	0.241024
1189.22	1172.41	-1.27684423	0.239954
1174.99	1158.23	-1.26824423	0.238844
1160.82	1144.1	-1.25924423	0.237794
1146.88	1130.2	-1.24984423	0.236814
1133.33	1116.7	-1.23994423	0.235794
1120.32	1103.73	-1.22964423	0.234839
1108	1091.45	-1.21904423	0.234044
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1085.91	1069.44	-1.19674423	0.232731
1076.34	1059.91	-1.18504423	0.232205
1067.85	1051.46	-1.17304423	0.231827
1060.5	1044.15	-1.16064423	0.231491
1054.3	1037.99	-1.14804423	0.23139
1049.26	1032.98	-1.13514423	0.231416
1045.35	1029.11	-1.12194423	0.231558
1042.53	1026.32	-1.10844423	0.231807
1040.72	1024.54	-1.09464423	0.232152
1039.83	1023.69	-1.08064423	0.232678
1039.7	1023.57	-1.06624423	0.233173
1040.37	1024.29	-1.05164423	0.233823
1041.51	1025.46	-1.03684423	0.234611
1043.04	1027.03	-1.02164423	0.235322
1044.79	1028.8	-1.00624423	0.236139
1046.57	1030.62	-0.99054423	0.236945
1048.22	1032.3	-0.97454423	0.237721
1049.55	1033.67	-0.95834423	0.238551
1050.38	1034.54	-0.94174423	0.239216
1050.56	1034.76	-0.92494423	0.239897
1049.9	1034.15	-0.90784423	0.240477
1048.27	1032.56	-0.89044423	0.240936
1045.52	1029.87	-0.87284423	0.241357
1041.54	1025.94	-0.85484423	0.241521
1036.22	1020.68	-0.83664423	0.241612
1029.49	1014.01	-0.81824423	0.241612
1021.27	1005.86	-0.79954423	0.241405
1011.54	996.194	-0.78054423	0.240974
1000.28	985.006	-0.76134423	0.240404
987.5	972.303	-0.74194423	0.23968
973.233	958.116	-0.72234423	0.238788
957.534	942.502	-0.70264423	0.237814
940.483	925.538	-0.68264423	0.236546
922.178	907.323	-0.66254423	0.235169
902.735	887.974	-0.64244423	0.233773
882.289	867.625	-0.62214423	0.232146
860.99	846.424	-0.60174423	0.230377
838.998	824.533	-0.58134423	0.228555

816.483	802.12	-0.56094423	0.22667
793.623	779.364	-0.54054423	0.224712
770.6	756.445	-0.52014423	0.22267
747.594	733.545	-0.49984423	0.220635
724.786	710.842	-0.47964423	0.218597
702.349	688.51	-0.45954423	0.216546
680.45	666.715	-0.43954423	0.214471
659.244	645.613	-0.41984423	0.212562
638.872	625.344	-0.40024423	0.210608
619.462	606.035	-0.38084423	0.208697
601.121	587.793	-0.36174423	0.206917
583.937	570.706	-0.34294423	0.205256
567.977	554.841	-0.32434423	0.2036
553.285	540.243	-0.30614423	0.202136
539.883	526.932	-0.28824423	0.200749
527.769	514.907	-0.27064423	0.199422
516.917	504.142	-0.25334423	0.198141
507.282	494.591	-0.23654423	0.197089
498.792	486.184	-0.21994423	0.195947
491.358	478.831	-0.20384423	0.194998
484.871	472.424	-0.18814423	0.194123
479.208	466.838	-0.17284423	0.193302
474.227	461.934	-0.15784423	0.192416
469.78	457.561	-0.14334423	0.191645
465.705	453.561	-0.12924423	0.190869
461.839	449.769	-0.11554423	0.190067
458.014	446.018	-0.10224423	0.189218
454.065	442.142	-0.08944423	0.188403
449.829	437.98	-0.07694423	0.1874
445.152	433.377	-0.06504423	0.186491
439.892	428.191	-0.05344423	0.185356
433.918	422.291	-0.04234423	0.184176
427.118	415.566	-0.03164423	0.182834
419.396	407.92	-0.02144423	0.181411
410.679	399.28	-0.01174423	0.179892
400.917	389.595	-0.00244423	0.178161
390.083	378.837	0.00635577	0.176304
378.173	367.005	0.01465577	0.174308
365.21	354.121	0.02235577	0.17226
351.241	340.231	0.02965577	0.16995
336.339	325.406	0.03635577	0.167567
320.596	309.741	0.04245577	0.165102
304.128	293.351	0.04805577	0.162449
287.07	276.37	0.05295577	0.159798
269.575	258.95	0.05735577	0.156946
251.807	241.256	0.06105577	0.154086
233.944	223.466	0.06415577	0.151113
216.17	205.762	0.06645577	0.148224
198.672	188.333	0.06815577	0.145215
181.64	171.366	0.06905577	0.142283
165.255	155.045	0.06935577	0.139223
149.692	139.545	0.06875577	0.136333
135.115	125.028	0.06745577	0.133409
121.67	111.641	0.06525577	0.130648
109.483	99.5111	0.06235577	0.127846

98.6612	88.7435	0.05855577	0.125198
89.2833	79.418	0.05395577	0.122598
81.4026	71.5876	0.04855577	0.120043
75.0433	65.2763	0.04225577	0.117625
70.1999	60.4787	0.03505577	0.115338
66.8368	57.1587	0.02705577	0.113074
64.8884	55.2509	0.01815577	0.110927
64.2604	54.6608	0.00835577	0.108887
64.8316	55.2669	-0.00224423	0.106847
66.4566	56.9239	-0.01374423	0.104898
68.9697	59.4659	-0.02614423	0.103031
72.1894	62.7116	-0.03934423	0.101139
75.9243	66.4697	-0.05344423	0.099315
79.9797	70.5454	-0.06834423	0.09745
84.1641	74.7473	-0.08414423	0.095641
88.2969	78.8946	-0.10074423	0.093782
92.2156	82.8245	-0.11814423	0.091871
95.7823	86.3987	-0.13644423	0.090007
98.8894	89.5091	-0.15544423	0.087992
101.463	92.0814	-0.17534423	0.08603
103.464	94.0772	-0.19604423	0.084028
104.892	95.495	-0.21744423	0.081895
105.783	96.37	-0.23974423	0.079845
106.208	96.7732	-0.26274423	0.077691
106.276	96.8291	-0.28654423	0.075553
106.105	96.6111	-0.31114423	0.073451
105.874	96.3412	-0.33654423	0.071407
105.759	96.1813	-0.36264423	0.069347
105.959	96.33	-0.38964423	0.067498
106.684	96.9968	-0.41724423	0.06559
108.147	98.3953	-0.44574423	0.063952
110.561	100.738	-0.47494423	0.062417
114.131	104.23	-0.50494423	0.061118
119.049	109.062	-0.53564423	0.059988
125.487	115.409	-0.56704423	0.059061
133.598	123.42	-0.59924423	0.058471
143.503	133.22	-0.63204423	0.058052
155.299	144.903	-0.66564423	0.058037
169.048	158.534	-0.69994423	0.05836
184.784	174.145	-0.73484423	0.058953
202.507	191.739	-0.77034423	0.059848
222.19	211.287	-0.80644423	0.061075
243.779	232.735	-0.84324423	0.062765
267.194	256.004	-0.88054423	0.064746
292.335	280.996	-0.91834423	0.067046
319.086	307.593	-0.95664423	0.069693
347.316	335.663	-0.99534423	0.072611
376.881	365.066	-1.03454423	0.075927
407.633	395.652	-1.07404423	0.079464
439.415	427.264	-1.11394423	0.083344
472.066	459.742	-1.15414423	0.087494
505.423	492.922	-1.19464423	0.091934
539.315	526.635	-1.23534423	0.096584
573.57	560.708	-1.27614423	0.101354
608.011	594.963	-1.31714423	0.106384

642.452	629.216	-1.35824423	0.111584
676.706	663.279	-1.39944423	0.116984
710.579	696.957	-1.44054423	0.122384
743.877	730.055	-1.48174423	0.128014
776.407	762.382	-1.52274423	0.133594
807.989	793.763	-1.56374423	0.139344
838.474	824.055	-1.60454423	0.145074
867.763	853.158	-1.64524423	0.150924
895.801	881.017	-1.68564423	0.156684
922.575	907.62	-1.72584423	0.162494
948.11	932.989	-1.76574423	0.168264
972.459	957.175	-1.80534423	0.174024
995.693	980.252	-1.84464423	0.179784
1017.9	1002.3	-1.88354423	0.185464
1039.17	1023.42	-1.92204423	0.191094
1059.6	1043.7	-1.96014423	0.196684
1079.28	1063.23	-1.99784423	0.202254
1098.31	1082.12	-2.03504423	0.207734
1116.81	1100.46	-2.07174423	0.213144
1134.88	1118.39	-2.10804423	0.218594
1152.7	1136.08	-2.14374423	0.223914
1170.46	1153.69	-2.17884423	0.229134
1188.36	1171.46	-2.21354423	0.234454
1206.61	1189.56	-2.24754423	0.239614
1225.37	1208.19	-2.28094423	0.244724
1244.81	1227.49	-2.31374423	0.249804
1265.05	1247.58	-2.34594423	0.254884
1286.14	1268.54	-2.37744423	0.259874
1308.13	1290.39	-2.40834423	0.264884
1330.99	1313.11	-2.43844423	0.269754
1354.67	1336.65	-2.46784423	0.274574
1379.06	1360.91	-2.49654423	0.279384
1404.06	1385.78	-2.52444423	0.284074
1429.52	1411.11	-2.55154423	0.288684
1455.28	1436.74	-2.57774423	0.293104
1481.15	1462.48	-2.60314423	0.297464
1506.94	1488.15	-2.62764423	0.301674
1532.43	1513.53	-2.65114423	0.305634
1557.43	1538.42	-2.67374423	0.309464
1581.72	1562.59	-2.69544423	0.313164
1605.08	1585.86	-2.71614423	0.316664
1627.34	1608.02	-2.73574423	0.319864
1648.29	1628.88	-2.75434423	0.322864
1667.76	1648.26	-2.77184423	0.325594
1685.59	1666.02	-2.78824423	0.328044
1701.64	1681.99	-2.80364423	0.330344
1715.79	1696.07	-2.81774423	0.332184
1727.93	1708.15	-2.83084423	0.333884
1737.98	1718.16	-2.84274423	0.335254
1745.9	1726.02	-2.85354423	0.336404
1751.64	1731.73	-2.86304423	0.337144
1755.2	1735.26	-2.87144423	0.337684
1756.61	1736.64	-2.87874423	0.338034
1755.91	1735.92	-2.88474423	0.338004
1753.16	1733.17	-2.88964423	0.337804

1748.48	1728.48	-2.89334423	0.337354
1741.98	1721.97	-2.89594423	0.336754
1733.8	1713.8	-2.89734423	0.335914
1724.11	1704.12	-2.89754423	0.334854
1713.1	1693.12	-2.89674423	0.333774
1700.96	1681.01	-2.89474423	0.332494
1687.92	1667.99	-2.89164423	0.331124
1674.2	1654.29	-2.88754423	0.329764
1660.03	1640.15	-2.88224423	0.328224
1645.65	1625.79	-2.87604423	0.326824
1631.29	1611.47	-2.86874423	0.325354
1617.19	1597.4	-2.86044423	0.323944
1603.57	1583.8	-2.85114423	0.322584
1590.59	1570.88	-2.84084423	0.321274
1578.42	1558.75	-2.82964423	0.320124
1567.16	1547.53	-2.81744423	0.319024
1556.92	1537.33	-2.80444423	0.318164
1547.78	1528.23	-2.79044423	0.317344
1539.82	1520.3	-2.77554423	0.316664
1533.09	1513.6	-2.75974423	0.316114
1527.63	1508.17	-2.74314423	0.315774
1523.44	1504.01	-2.72554423	0.315454
1520.54	1501.12	-2.70724423	0.315444
1518.88	1499.49	-2.68794423	0.315434
1518.44	1499.06	-2.66794423	0.315704
1519.14	1499.78	-2.64694423	0.315954
1520.85	1501.53	-2.62524423	0.316464
1523.41	1504.12	-2.60264423	0.317014
1526.6	1507.35	-2.57914423	0.317584
1530.21	1510.99	-2.55484423	0.318254
1533.98	1514.81	-2.52964423	0.318894
1537.69	1518.56	-2.50364423	0.319584
1541.06	1521.97	-2.47684423	0.320284
1543.84	1524.8	-2.44914423	0.320884
1545.78	1526.79	-2.42054423	0.321354
1546.62	1527.69	-2.39114423	0.321754
1546.14	1527.27	-2.36094423	0.322054
1544.11	1525.31	-2.32984423	0.322134
1540.33	1521.6	-2.29784423	0.321974
1534.62	1515.97	-2.26514423	0.321724
1526.84	1508.28	-2.23154423	0.321164
1516.86	1498.39	-2.19714423	0.320374
1504.59	1486.21	-2.16194423	0.319324
1489.97	1471.7	-2.12594423	0.317974
1472.97	1454.81	-2.08924423	0.316414
1453.6	1435.56	-2.05184423	0.314614
1431.9	1413.99	-2.01374423	0.312554
1407.96	1390.17	-1.97494423	0.310204
1381.87	1364.22	-1.93554423	0.307644
1353.77	1336.27	-1.89544423	0.304754
1323.84	1306.48	-1.85484423	0.301724
1292.26	1275.06	-1.81374423	0.298524
1259.26	1242.21	-1.77214423	0.295134
1225.07	1208.19	-1.73014423	0.291644
1189.94	1173.22	-1.68764423	0.287944

1154.15	1137.59	-1.64484423	0.284204
1117.96	1101.57	-1.60174423	0.280404
1081.64	1065.42	-1.55844423	0.276654
1045.47	1029.42	-1.51484423	0.272814
1009.72	993.842	-1.47114423	0.269084
974.644	958.933	-1.42724423	0.265334
940.479	924.936	-1.38334423	0.261764
907.448	892.071	-1.33934423	0.258244
875.747	860.536	-1.29534423	0.254854
845.547	830.5	-1.25134423	0.251592
816.991	802.104	-1.20754423	0.248625
790.186	775.459	-1.16374423	0.245735
765.209	750.639	-1.12014423	0.2431
742.102	727.685	-1.07664423	0.240596
720.868	706.602	-1.03344423	0.238398
701.479	687.362	-0.99034423	0.236279
683.871	669.9	-0.94764423	0.234512
667.948	654.121	-0.90504423	0.232767
653.582	639.896	-0.86284423	0.231314
640.619	627.073	-0.82094423	0.23002
628.881	615.471	-0.77924423	0.228753
618.167	604.892	-0.73794423	0.22768
608.264	595.122	-0.69704423	0.226766
598.945	585.934	-0.65634423	0.225777
589.978	577.096	-0.61614423	0.224977
581.131	568.377	-0.57624423	0.224132
572.177	559.548	-0.53664423	0.223208
562.899	550.393	-0.49754423	0.222371
553.095	540.711	-0.45874423	0.221389
542.585	530.321	-0.42044423	0.220431
531.213	519.067	-0.38254423	0.219367
518.856	506.824	-0.34494423	0.218069
505.419	493.499	-0.30784423	0.216713
490.848	479.036	-0.27124423	0.215273
475.125	463.418	-0.23514423	0.21373
458.271	446.666	-0.19944423	0.211965
440.35	428.841	-0.16424423	0.210063
421.462	410.046	-0.12954423	0.208011
401.749	390.42	-0.09544423	0.205899
381.387	370.139	-0.06184423	0.203619
360.585	349.414	-0.02894423	0.201367
339.581	328.48	0.00345577	0.198939
318.638	307.602	0.03515577	0.196537
298.034	287.056	0.06625577	0.194063
278.059	267.134	0.09665577	0.191619
259.01	248.131	0.12635577	0.189213
241.179	230.34	0.15535577	0.18685
224.85	214.045	0.18355577	0.18464
210.294	199.517	0.21105577	0.18249
197.757	187.001	0.23785577	0.180411
187.46	176.719	0.26375577	0.178611
179.591	168.859	0.28895577	0.176902
174.301	163.572	0.31325577	0.175492
171.701	160.969	0.33685577	0.174191
171.433	160.697	0.35955577	0.173208

174.803	164.044	0.38145577	0.17245
180.507	169.727	0.40265577	0.171826
188.908	178.1	0.42305577	0.171442
199.897	189.055	0.44255577	0.171403
213.325	202.443	0.46145577	0.171417
229.004	218.077	0.47955577	0.171687
246.715	235.737	0.49685577	0.172218
266.209	255.175	0.51355577	0.172813
287.213	276.118	0.52955577	0.173578
309.438	298.276	0.54485577	0.174515
332.582	321.349	0.55955577	0.175529
356.339	345.031	0.57375577	0.176525
380.403	369.015	0.58735577	0.177607
404.474	393.004	0.60035577	0.178782
428.267	416.711	0.61295577	0.179855
451.514	439.868	0.62495577	0.181036
473.968	462.231	0.63665577	0.182034
495.412	483.582	0.64785577	0.183058
515.659	503.734	0.65875577	0.183921
534.556	522.536	0.66915577	0.184836
551.99	539.873	0.67935577	0.185517
567.878	555.667	0.68915577	0.186182
582.18	569.874	0.69865577	0.186748
594.884	582.486	0.70785577	0.187233
606.015	593.527	0.71685577	0.187558
615.627	603.052	0.72555577	0.187842
623.805	611.144	0.73405577	0.188008
630.657	617.912	0.74235577	0.188079
636.315	623.49	0.75035577	0.188175
640.929	628.026	0.75815577	0.18822
644.665	631.688	0.76585577	0.188137
647.702	634.652	0.77325577	0.188149
650.223	637.104	0.78045577	0.188178
652.42	639.234	0.78745577	0.188246
654.484	641.234	0.79425577	0.188374
656.605	643.293	0.80085577	0.188583
658.964	645.591	0.80725577	0.188893
661.73	648.298	0.81355577	0.189224
665.058	651.566	0.81955577	0.189784
669.079	655.528	0.82545577	0.190404
673.903	660.293	0.83115577	0.191194
679.617	665.949	0.83675577	0.192064
686.283	672.557	0.84205577	0.193224
693.942	680.157	0.84735577	0.194394
702.608	688.766	0.85235577	0.195884
712.274	698.373	0.85735577	0.197394
722.908	708.949	0.86215577	0.199134
734.458	720.44	0.86685577	0.201014
746.85	732.773	0.87145577	0.203034
759.996	745.858	0.87595577	0.205204
773.789	759.59	0.88045577	0.207414
788.113	773.852	0.88485577	0.209784
802.84	788.515	0.88925577	0.212204
817.833	803.445	0.89355577	0.214784
832.951	818.499	0.89795577	0.217314

848.048	833.532	0.90235577	0.219894
862.978	848.399	0.90675577	0.222524
877.596	862.956	0.91125577	0.225114
891.763	877.061	0.91585577	0.227654
905.343	890.583	0.92055577	0.230134
918.211	903.394	0.92525577	0.232664
930.254	915.383	0.93015577	0.235054
941.37	926.448	0.93515577	0.237374
951.473	936.503	0.94035577	0.239554
960.492	945.477	0.94575577	0.241574
968.373	953.317	0.95125577	0.243534
975.08	959.987	0.95695577	0.245354
980.595	965.468	0.96285577	0.247024
984.921	969.763	0.96895577	0.248544
988.076	972.89	0.97525577	0.249914
990.098	974.888	0.98175577	0.251144
991.042	975.89	0.98845577	0.252234
991.13	975.727	0.99545577	0.253094
989.981	974.718	1.00255577	0.253924
988.152	972.877	1.00995577	0.254534
985.591	970.307	1.01745577	0.255114
982.411	967.119	1.02525577	0.255484
978.727	963.43	1.03325577	0.255754
974.662	959.361	1.04135577	0.256014
970.339	955.036	1.04975577	0.256084
965.882	950.578	1.05825577	0.256154
961.412	946.107	1.06695577	0.256154
957.046	941.742	1.07585577	0.256064
952.898	937.594	1.08485577	0.256014
949.071	933.768	1.09415577	0.255784
945.661	930.358	1.10345577	0.255704
942.755	927.452	1.11305577	0.255464
940.425	925.122	1.12265577	0.255374
938.734	923.429	1.13255577	0.255134
937.729	922.422	1.14245577	0.255054
937.444	922.134	1.15255577	0.254934
937.899	922.585	1.16285577	0.254774
939.099	923.779	1.17325577	0.254684
941.033	925.707	1.18375577	0.254664
943.679	928.346	1.19445577	0.254604
946.998	931.656	1.20525577	0.254614
950.939	935.589	1.21625577	0.254594
955.439	940.08	1.22735577	0.254644
960.425	945.055	1.23865577	0.254664
965.813	950.432	1.25015577	0.254654
971.511	956.119	1.26175577	0.254704
977.419	962.017	1.27355577	0.254724
983.435	968.022	1.28555577	0.254714
989.451	974.028	1.29775577	0.254654
995.358	979.926	1.31015577	0.254554
1001.05	985.608	1.32275577	0.254414
1006.42	990.969	1.33565577	0.254134
1011.36	995.907	1.34865577	0.253894
1015.78	1000.32	1.36195577	0.253514
1019.6	1004.13	1.37535577	0.253174

1022.71	1007.25	1.38915577	0.252584
1025.07	1009.61	1.40305577	0.252024
1026.61	1011.15	1.41725577	0.251314
1027.27	1011.82	1.43175577	0.250434
1027.03	1011.58	1.44645577	0.249494
1025.87	1010.43	1.46135577	0.248494
1023.77	1008.34	1.47645577	0.247414
1020.74	1005.33	1.49185577	0.246174
1016.8	1001.4	1.50755577	0.244764
1011.99	996.609	1.52335577	0.243374
1006.34	990.984	1.53945577	0.241824
999.917	984.586	1.55575577	0.240194
992.786	977.48	1.57225577	0.238484
985.023	969.745	1.58885577	0.236814
976.712	961.463	1.60575577	0.234964
967.943	952.725	1.62275577	0.233134
958.812	943.626	1.63995577	0.231234
949.416	934.264	1.65735577	0.229254
939.857	924.74	1.67485577	0.227304
930.232	915.151	1.69245577	0.225364
920.638	905.594	1.71015577	0.223444
911.168	896.161	1.72795577	0.221544
901.908	886.94	1.74585577	0.219654
892.938	878.008	1.76385577	0.217774
884.327	869.436	1.78195577	0.215904
876.136	861.285	1.80005577	0.214134
868.414	853.602	1.81825577	0.212364
861.197	846.425	1.83645577	0.210684
854.509	839.777	1.85465577	0.209084
848.36	833.668	1.87295577	0.207464
842.746	828.096	1.89115577	0.206014
837.651	823.042	1.90945577	0.204534
833.044	818.476	1.92775577	0.203094
828.882	814.355	1.94595577	0.201794
825.108	810.624	1.96425577	0.200434
821.657	807.216	1.98245577	0.199184
818.451	804.055	2.00065577	0.197944
815.405	801.054	2.01885577	0.196694
812.426	798.121	2.03695577	0.195524
809.415	795.159	2.05505577	0.194324
806.272	792.064	2.07315577	0.193074
802.892	788.735	2.09125577	0.191764
799.17	785.067	2.10925577	0.190474
795.006	780.958	2.12715577	0.189194
790.301	776.31	2.14505577	0.187804
784.963	771.031	2.16295577	0.186294
778.907	765.037	2.18065577	0.184844
772.057	758.252	2.19835577	0.183244
764.349	750.61	2.21595577	0.181564
755.729	742.06	2.23355577	0.179704
746.158	732.56	2.25095577	0.177854
735.609	722.086	2.26825577	0.175874
724.073	710.627	2.28545577	0.173784
711.552	698.186	2.30255577	0.171544
698.068	684.782	2.31945577	0.169244

683.653	670.452	2.33615577	0.166884
668.359	655.243	2.35265577	0.164444
652.249	639.221	2.36905577	0.161814
635.4	622.461	2.38515577	0.159174
617.901	605.053	2.40105577	0.156424
599.854	587.097	2.41665577	0.153654
581.367	568.703	2.43195577	0.150844
562.557	549.986	2.44695577	0.147984
543.547	531.069	2.46165577	0.145074
524.462	512.078	2.47595577	0.142194
505.431	493.141	2.48995577	0.139234
486.581	474.384	2.50345577	0.136394
468.036	455.931	2.51665577	0.133454
449.916	437.902	2.52935577	0.130614
432.333	420.409	2.54155577	0.127864
415.393	403.558	2.55335577	0.125074
399.19	387.442	2.56455577	0.122464
383.807	372.143	2.57535577	0.119804
369.314	357.733	2.58555577	0.117284
355.766	344.266	2.59515577	0.114894
343.206	331.784	2.60425577	0.112534
331.66	320.314	2.61275577	0.110274
321.14	309.866	2.62065577	0.108114
311.642	300.439	2.62795577	0.106034
303.15	292.014	2.63455577	0.104134
295.632	284.559	2.64065577	0.102194
289.045	278.033	2.64605577	0.100394
283.336	272.381	2.65075577	0.098724
278.441	267.54	2.65485577	0.097074
274.289	263.438	2.65825577	0.095534
270.804	260	2.66105577	0.093994
267.906	257.145	2.66315577	0.092534
265.515	254.793	2.66465577	0.091044
263.55	252.864	2.66535577	0.089714
261.935	251.28	2.66545577	0.088334
260.597	249.97	2.66485577	0.086994
259.472	248.868	2.66365577	0.085594
258.502	247.919	2.66165577	0.084314
257.642	247.075	2.65905577	0.082954
256.856	246.3	2.65575577	0.081614
256.119	245.572	2.65175577	0.080294
255.422	244.879	2.64715577	0.078874
254.765	244.224	2.64175577	0.077564
254.164	243.62	2.63575577	0.076174
253.647	243.096	2.62905577	0.074794
253.253	242.691	2.62165577	0.073434
253.034	242.456	2.61355577	0.072104
253.008	242.422	2.60485577	0.070694
253.369	242.751	2.59535577	0.069424
254.07	243.425	2.58525577	0.068104
255.233	244.557	2.57445577	0.066844
256.94	246.229	2.56295577	0.065644
259.276	248.527	2.55085577	0.064434
262.323	251.532	2.53805577	0.063304
266.16	255.323	2.52455577	0.062284

270.86	259.972	2.51045577	0.061274
276.486	265.544	2.49565577	0.060394
283.093	272.094	2.48015577	0.059664
290.726	279.666	2.46415577	0.058894
299.415	288.29	2.44745577	0.058294
309.177	297.984	2.43015577	0.057774
320.015	308.751	2.41225577	0.057364
331.918	320.578	2.39375577	0.057064
344.858	333.441	2.37475577	0.056784
358.795	347.297	2.35505577	0.056744
373.673	362.091	2.33495577	0.056664
389.424	377.755	2.31435577	0.056644
405.966	394.209	2.29315577	0.056804
423.211	411.362	2.27155577	0.056954
441.057	429.114	2.24945577	0.057204
459.397	447.36	2.22705577	0.057374
478.12	465.985	2.20415577	0.057664
497.108	484.876	2.18085577	0.058004
516.247	503.916	2.15725577	0.058294
535.419	522.988	2.13325577	0.058654
554.51	541.979	2.10895577	0.058984
573.411	560.78	2.08445577	0.059204
592.021	579.289	2.05965577	0.059434
610.242	597.411	2.03455577	0.059684
627.989	615.059	2.00925577	0.059864
645.186	632.157	1.98385577	0.059894
661.768	648.642	1.95825577	0.059884
677.681	664.458	1.93245577	0.059844
692.884	679.567	1.90655577	0.059704
707.349	693.939	1.88055577	0.059474
721.058	707.557	1.85445577	0.059164
734.008	720.418	1.82825577	0.058794
746.207	732.528	1.80205577	0.058284
757.672	743.908	1.77575577	0.057754
768.433	754.586	1.74935577	0.057214
778.529	764.6	1.72305577	0.056484
788.005	773.997	1.69675577	0.055684
796.917	782.831	1.67035577	0.054924
805.324	791.163	1.64405577	0.054024
813.292	799.057	1.61775577	0.053114
820.888	806.581	1.59155577	0.052104
828.183	813.805	1.56535577	0.051104
835.247	820.801	1.53915577	0.050144
842.152	827.639	1.51305577	0.049124
848.966	834.386	1.48705577	0.048074
855.754	841.11	1.46105577	0.047114
862.578	847.87	1.43525577	0.046044
869.495	854.724	1.40945577	0.045094
876.554	861.721	1.38385577	0.044084
883.801	868.906	1.35825577	0.043204
891.271	876.315	1.33285577	0.042294
898.993	883.977	1.30755577	0.041454
906.989	891.913	1.28245577	0.040604
915.271	900.135	1.25735577	0.039954
923.844	908.647	1.23255577	0.039214

932.704	917.448	1.20785577	0.038594
941.841	926.525	1.18335577	0.038024
951.237	935.862	1.15905577	0.037494
960.867	945.433	1.13485577	0.037124
970.704	955.211	1.11095577	0.036734
980.712	965.161	1.08725577	0.036414
990.855	975.245	1.06385577	0.036094
1001.09	985.423	1.04055577	0.035964
1011.38	995.653	1.01765577	0.035754
1021.67	1005.89	0.99495577	0.035654
1031.93	1016.09	0.97255577	0.035594
1042.1	1026.21	0.95035577	0.035661
1052.15	1036.2	0.92855577	0.035677
1062.03	1046.03	0.90705577	0.035749
1071.71	1055.65	0.88585577	0.035882
1081.15	1065.03	0.86495577	0.036087
1090.31	1074.15	0.84445577	0.03627
1099.18	1082.96	0.82435577	0.03644
1107.72	1091.45	0.80455577	0.036704
1115.92	1099.6	0.78515577	0.03697
1123.75	1107.39	0.76615577	0.037246
1131.21	1114.8	0.74755577	0.037538
1138.28	1121.83	0.72925577	0.037953
1144.97	1128.47	0.71145577	0.038299
1151.26	1134.72	0.69415577	0.038582
1157.17	1140.59	0.67715577	0.039009
1162.68	1146.07	0.66065577	0.039385
1167.82	1151.17	0.64455577	0.039816
1172.59	1155.9	0.62885577	0.040307
1177	1160.28	0.61365577	0.040764
1181.06	1164.32	0.59895577	0.04119
1184.79	1168.02	0.58465577	0.04169
1188.19	1171.39	0.57085577	0.042166
1191.28	1174.46	0.55745577	0.042721
1194.07	1177.23	0.54455577	0.043257
1196.55	1179.7	0.53215577	0.043775
1198.74	1181.87	0.52025577	0.044274
1200.63	1183.75	0.50875577	0.044855
1202.21	1185.32	0.49785577	0.045316
1203.48	1186.59	0.48735577	0.045854
1204.41	1187.53	0.47725577	0.046465
1205	1188.12	0.46775577	0.046946
1205.21	1188.33	0.45865577	0.047491
1205.02	1188.15	0.45015577	0.047894
1204.38	1187.53	0.44205577	0.048348
1203.27	1186.44	0.43445577	0.048745
1201.64	1184.84	0.42725577	0.049176
1199.44	1182.67	0.42065577	0.049432
1196.63	1179.89	0.41445577	0.049702
1193.16	1176.46	0.40875577	0.049875
1188.98	1172.32	0.40355577	0.049939
1184.04	1167.43	0.39875577	0.049982
1178.3	1161.73	0.39435577	0.04999
1171.71	1155.2	0.39055577	0.04975
1164.24	1147.79	0.38705577	0.049548

1155.84	1139.46	0.38405577	0.049169
1146.48	1130.17	0.38145577	0.048696
1136.11	1119.88	0.37935577	0.048011
1124.71	1108.56	0.37755577	0.047299
1112.25	1096.19	0.37615577	0.04644
1098.72	1082.75	0.37505577	0.04552
1084.12	1068.25	0.37445577	0.044321
1068.48	1052.7	0.37405577	0.043128
1051.81	1036.14	0.37405577	0.041724
1034.16	1018.59	0.37435577	0.040194
1015.59	1000.12	0.37485577	0.038624
996.146	980.792	0.37565577	0.036899
975.92	960.678	0.37665577	0.035105
954.997	939.869	0.37785577	0.033227
933.476	918.464	0.37925577	0.031254
911.467	896.571	0.38085577	0.029171
889.086	874.308	0.38245577	0.027165
866.458	851.797	0.38425577	0.025025
843.711	829.166	0.38605577	0.022938
820.977	806.55	0.38795577	0.020791
798.392	784.08	0.38985577	0.018673
776.087	761.889	0.39175577	0.01657
754.195	740.109	0.39365577	0.014471
732.84	718.865	0.39535577	0.012564
712.142	698.276	0.39715577	0.010535
692.212	678.453	0.39865577	0.008772
673.149	659.495	0.40015577	0.006961
655.042	641.489	0.40145577	0.005289
637.964	624.51	0.40255577	0.003743
621.972	608.614	0.40335577	0.002407
607.109	593.845	0.40405577	0.001066
593.399	580.225	0.40445577	-9.4E-05
580.847	567.761	0.40465577	-0.00119
569.443	556.442	0.40455577	-0.00214
559.155	546.237	0.40415577	-0.00296
549.937	537.098	0.40355577	-0.00376
541.722	528.961	0.40255577	-0.00438
534.43	521.745	0.40125577	-0.00491
527.967	515.355	0.39955577	-0.00529
522.224	509.683	0.39765577	-0.00573
517.081	504.611	0.39525577	-0.00596
512.412	500.01	0.39265577	-0.00629
508.083	495.749	0.38965577	-0.00655
503.956	491.688	0.38625577	-0.00675
499.892	487.69	0.38255577	-0.00701
495.752	483.616	0.37845577	-0.00726
491.402	479.331	0.37395577	-0.00752
486.713	474.708	0.36915577	-0.0079
481.565	469.625	0.36395577	-0.00833
475.847	463.974	0.35835577	-0.00882
469.464	457.658	0.35235577	-0.0094
462.333	450.595	0.34595577	-0.01007
454.39	442.72	0.33915577	-0.01085
445.588	433.987	0.33195577	-0.01177
435.901	424.369	0.32425577	-0.01273

425.321	413.86	0.31625577	-0.01394
413.865	402.474	0.30765577	-0.01513
401.568	390.247	0.29875577	-0.01658
388.49	377.239	0.28925577	-0.01803
374.708	363.527	0.27925577	-0.01956
360.324	349.211	0.26885577	-0.02129
345.454	334.409	0.25785577	-0.02303
330.235	319.255	0.24635577	-0.02487
314.818	303.901	0.23425577	-0.02671
299.364	288.508	0.22155577	-0.02856
284.048	273.25	0.20835577	-0.03052
269.051	258.307	0.19445577	-0.03238
254.556	243.862	0.18005577	-0.03435
240.748	230.1	0.16485577	-0.03611
227.808	217.202	0.14915577	-0.03797
215.913	205.344	0.13265577	-0.03962
205.228	194.689	0.11555577	-0.04125
195.904	185.392	0.09775577	-0.04277
188.08	177.587	0.07915577	-0.04406
181.874	171.393	0.05995577	-0.04531
177.385	166.908	0.04005577	-0.04644
174.691	164.212	0.01935577	-0.04731
173.849	163.359	-0.00204423	-0.04804
174.889	164.381	-0.02414423	-0.04861
177.818	167.285	-0.04694423	-0.04902
182.618	172.053	-0.07054423	-0.04915
189.247	178.641	-0.09474423	-0.0492
197.638	186.985	-0.11974423	-0.04897
207.703	196.996	-0.14534423	-0.04864
219.336	208.569	-0.17164423	-0.04811
232.412	221.578	-0.19854423	-0.04747
246.794	235.888	-0.22614423	-0.04661
262.334	251.35	-0.25434423	-0.04562
278.875	267.809	-0.28304423	-0.04458
296.259	285.105	-0.31244423	-0.0433
314.322	303.077	-0.34234423	-0.04195
332.908	321.566	-0.37274423	-0.04054
351.86	340.419	-0.40364423	-0.03903
371.031	359.488	-0.43504423	-0.03742
390.283	378.635	-0.46684423	-0.0358
409.489	397.733	-0.49914423	-0.03405
428.535	416.669	-0.53174423	-0.03234
447.321	435.342	-0.56484423	-0.03048
465.759	453.666	-0.59824423	-0.02863
483.779	471.57	-0.63194423	-0.02678
501.324	488.998	-0.66594423	-0.02491
518.353	505.909	-0.70024423	-0.023
534.842	522.279	-0.73474423	-0.02112
550.783	538.099	-0.76954423	-0.01916
566.182	553.376	-0.80454423	-0.01719
581.059	568.131	-0.83974423	-0.01519
595.447	582.398	-0.87514423	-0.01314
609.392	596.22	-0.91074423	-0.01102
622.944	609.65	-0.94644423	-0.0089
636.162	622.746	-0.98224423	-0.00676

649.106	635.568	-1.01814423	-0.00458
661.836	648.177	-1.05414423	-0.00233
674.409	660.629	-1.09024423	1.42E-05
686.875	672.976	-1.12644423	0.002454
699.277	685.258	-1.16264423	0.004934
711.643	697.506	-1.19894423	0.007554
723.991	709.735	-1.23524423	0.010254
736.325	721.957	-1.27144423	0.012934
748.657	734.184	-1.30774423	0.015824
761.006	746.434	-1.34394423	0.018744
773.4	758.736	-1.38014423	0.021814
785.879	771.129	-1.41634423	0.025044
798.486	783.655	-1.45244423	0.028344
811.269	796.363	-1.48844423	0.031744
824.276	809.297	-1.52434423	0.035254
837.55	822.5	-1.56014423	0.038884
851.126	836.006	-1.59574423	0.042554
865.027	849.839	-1.63124423	0.046364
879.266	864.01	-1.66664423	0.050344
893.842	878.517	-1.70174423	0.054294
908.739	893.345	-1.73674423	0.058424
923.931	908.469	-1.77144423	0.062544
939.381	923.852	-1.80594423	0.066764
955.045	939.447	-1.84014423	0.070994
970.868	955.203	-1.87404423	0.075254
986.789	971.057	-1.90774423	0.079624
1002.74	986.941	-1.94104423	0.083934
1018.65	1002.78	-1.97404423	0.088284
1034.42	1018.49	-2.00664423	0.092574
1049.99	1033.98	-2.03894423	0.096924
1065.24	1049.17	-2.07084423	0.101224
1080.1	1063.97	-2.10234423	0.105494
1094.47	1078.27	-2.13344423	0.109724
1108.27	1092.02	-2.16404423	0.113834
1121.44	1105.12	-2.19424423	0.117924
1133.91	1117.53	-2.22394423	0.121904
1145.62	1129.2	-2.25314423	0.125774
1156.55	1140.07	-2.28184423	0.129544
1166.65	1150.12	-2.31014423	0.133314
1175.9	1159.32	-2.33784423	0.136904
1184.3	1167.67	-2.36504423	0.140404
1191.83	1175.16	-2.39164423	0.143734
1198.53	1181.81	-2.41784423	0.147094
1204.4	1187.64	-2.44334423	0.150194
1209.49	1192.69	-2.46834423	0.153234
1213.84	1197.01	-2.49284423	0.156234
1217.51	1200.64	-2.51674423	0.159094
1220.56	1203.66	-2.54004423	0.161824
1223.06	1206.12	-2.56284423	0.164534
1225.09	1208.12	-2.58504423	0.167124
1226.71	1209.71	-2.60664423	0.169614
1227.99	1210.97	-2.62774423	0.172094
1229.03	1211.98	-2.64824423	0.174484
1229.87	1212.8	-2.66814423	0.176794
1230.58	1213.49	-2.68754423	0.179114

1231.25	1214.13	-2.70634423	0.181364
1231.91	1214.78	-2.72454423	0.183544
1232.64	1215.49	-2.74224423	0.185764
1233.47	1216.3	-2.75934423	0.187924
1234.46	1217.27	-2.77584423	0.190034
1235.63	1218.43	-2.79184423	0.192194
1237.02	1219.8	-2.80724423	0.194314
1238.64	1221.4	-2.82214423	0.196484
1240.51	1223.26	-2.83644423	0.198614
1242.63	1225.37	-2.85014423	0.200714
1245.01	1227.73	-2.86324423	0.202774
1247.62	1230.34	-2.87584423	0.204904
1250.47	1233.17	-2.88784423	0.207004
1253.52	1236.21	-2.89924423	0.209074
1256.74	1239.42	-2.91014423	0.211204
1260.1	1242.76	-2.92044423	0.213304
1263.55	1246.2	-2.93014423	0.215374
1267.05	1249.69	-2.93924423	0.217404
1270.53	1253.17	-2.94774423	0.219404
1273.96	1256.59	-2.95564423	0.221364
1277.28	1259.9	-2.96294423	0.223294
1280.43	1263.05	-2.96974423	0.225274
1283.37	1265.98	-2.97584423	0.227114
1286.04	1268.64	-2.98134423	0.228914
1288.39	1271	-2.98624423	0.230674
1290.38	1272.99	-2.99054423	0.232374
1291.97	1274.57	-2.99424423	0.234024
1293.11	1275.72	-2.99734423	0.235634
1293.78	1276.39	-2.99984423	0.237174
1293.95	1276.56	-3.00164423	0.238564
1293.6	1276.22	-3.00294423	0.239994
1292.71	1275.34	-3.00354423	0.241254
1291.3	1273.93	-3.00354423	0.242464
1289.34	1271.99	-3.00294423	0.243594
1286.86	1269.52	-3.00174423	0.244664
1283.87	1266.55	-2.99984423	0.245554
1280.39	1263.08	-2.99744423	0.246484
1276.43	1259.14	-2.99444423	0.247334
1272.04	1254.77	-2.99084423	0.248104
1267.24	1249.99	-2.98664423	0.248794
1262.07	1244.84	-2.98194423	0.249504
1256.57	1239.37	-2.97654423	0.250034
1250.78	1233.6	-2.97064423	0.250574
1244.75	1227.6	-2.96424423	0.251124
1238.51	1221.39	-2.95724423	0.251584
1232.11	1215.01	-2.94974423	0.252034
1225.57	1208.51	-2.94164423	0.252394
1218.95	1201.92	-2.93304423	0.252744
1212.26	1195.26	-2.92394423	0.253084
1205.52	1188.57	-2.91434423	0.253404
1198.77	1181.86	-2.90424423	0.253694
1192.01	1175.14	-2.89364423	0.253964
1185.24	1168.41	-2.88264423	0.254284
1178.47	1161.69	-2.87104423	0.254454
1171.67	1154.94	-2.85904423	0.254674

1164.84	1148.16	-2.84664423	0.254914
1157.95	1141.32	-2.83374423	0.255074
1150.95	1134.38	-2.82044423	0.255244
1143.81	1127.3	-2.80674423	0.255414
1136.47	1120.03	-2.79254423	0.255454
1128.89	1112.51	-2.77804423	0.255564
1121	1104.68	-2.76304423	0.255514
1112.74	1096.5	-2.74774423	0.255504
1104.04	1087.88	-2.73204423	0.255404
1094.85	1078.76	-2.71604423	0.255304
1085.09	1069.08	-2.69964423	0.255074
1074.69	1058.77	-2.68284423	0.254714
1063.61	1047.78	-2.66584423	0.254394
1051.77	1036.03	-2.64844423	0.253884
1039.14	1023.5	-2.63074423	0.253284
1025.67	1010.12	-2.61284423	0.252654
1011.32	995.877	-2.59464423	0.251884
996.066	980.734	-2.57614423	0.250954
979.904	964.681	-2.55754423	0.250034
962.827	947.717	-2.53864423	0.248914
944.846	929.852	-2.51964423	0.247774
925.985	911.108	-2.50034423	0.246374
906.279	891.522	-2.48104423	0.245024
885.776	871.141	-2.46154423	0.243474
864.539	850.027	-2.44204423	0.241924
842.639	828.253	-2.42244423	0.240254
820.164	805.903	-2.40274423	0.238434
797.208	783.074	-2.38314423	0.236664
773.88	759.871	-2.36354423	0.234814
750.295	736.412	-2.34394423	0.232864
726.579	712.82	-2.32444423	0.230914
702.861	689.226	-2.30504423	0.228934
679.279	665.765	-2.28574423	0.226914
655.973	642.577	-2.26664423	0.224944
633.084	619.804	-2.24774423	0.223014
610.756	597.588	-2.22904423	0.221104
589.128	576.068	-2.21064423	0.219304
568.339	555.383	-2.19244423	0.217504
548.521	535.664	-2.17454423	0.215794
529.799	517.037	-2.15694423	0.214164
512.29	499.618	-2.13974423	0.212704
496.101	483.512	-2.12284423	0.211304
481.326	468.815	-2.10634423	0.210064
468.044	455.605	-2.09024423	0.208964
456.323	443.949	-2.07454423	0.208004
446.21	433.896	-2.05934423	0.207264
437.739	425.479	-2.04444423	0.206554
430.924	418.711	-2.03004423	0.206064
425.761	413.589	-2.01614423	0.205774
422.23	410.092	-2.00264423	0.205594
420.289	408.181	-1.98964423	0.205604
419.883	407.797	-1.97714423	0.205794
420.936	408.868	-1.96504423	0.206074
423.361	411.305	-1.95334423	0.206424
427.053	415.003	-1.94214423	0.206934

431.897	419.849	-1.93144423	0.207614
437.768	425.716	-1.92114423	0.208344
444.531	432.472	-1.91134423	0.209224
452.047	439.976	-1.90194423	0.210144
460.175	448.087	-1.89294423	0.211104
468.771	456.662	-1.88434423	0.212094
477.695	465.562	-1.87614423	0.213124
486.813	474.652	-1.86824423	0.214074
495.997	483.804	-1.86084423	0.215154
505.13	492.902	-1.85374423	0.216164
514.108	501.842	-1.84704423	0.217194
522.842	510.535	-1.84064423	0.218164
531.259	518.909	-1.83464423	0.219154
539.304	526.907	-1.82884423	0.219984
546.94	534.493	-1.82344423	0.220864
554.148	541.65	-1.81834423	0.221684
560.932	548.38	-1.81344423	0.222364
567.309	554.702	-1.80894423	0.223114
573.319	560.654	-1.80464423	0.223744
579.015	566.29	-1.80064423	0.224364
584.466	571.68	-1.79684423	0.224894
589.755	576.906	-1.79334423	0.225444
594.975	582.062	-1.79014423	0.226024
600.227	587.248	-1.78714423	0.226564
605.62	592.573	-1.78434423	0.227064
611.263	598.147	-1.78174423	0.227554
617.268	604.081	-1.77944423	0.228144
623.744	610.485	-1.77734423	0.228764
630.794	617.461	-1.77534423	0.229314
638.515	625.106	-1.77364423	0.230024
646.993	633.507	-1.77214423	0.230814
656.302	642.737	-1.77074423	0.231594
666.503	652.857	-1.76954423	0.232484
677.64	663.912	-1.76854423	0.233504
689.743	675.93	-1.76764423	0.234564
702.821	688.923	-1.76684423	0.235694
716.867	702.883	-1.76624423	0.236984
731.857	717.784	-1.76564423	0.238274
747.745	733.583	-1.76514423	0.239654
764.47	750.219	-1.76464423	0.241064
781.954	767.612	-1.76424423	0.242594
800.103	785.67	-1.76384423	0.244174
818.809	804.285	-1.76344423	0.245794
837.95	823.335	-1.76294423	0.247394
857.396	842.689	-1.76244423	0.249054
877.006	862.209	-1.76184423	0.250704
896.636	881.75	-1.76114423	0.252354
916.135	901.161	-1.76034423	0.254004
935.354	920.293	-1.75944423	0.255674
954.143	938.997	-1.75824423	0.257154
972.356	957.128	-1.75694423	0.258674
989.856	974.548	-1.75534423	0.260044
1006.51	991.124	-1.75354423	0.261354
1022.2	1006.74	-1.75154423	0.262624
1036.81	1021.28	-1.74924423	0.263764

1050.25	1034.66	-1.74654423	0.264684
1062.45	1046.79	-1.74364423	0.265584
1073.34	1057.62	-1.74034423	0.266294
1082.87	1067.09	-1.73674423	0.266904
1091.03	1075.2	-1.73284423	0.267434
1097.79	1081.91	-1.72844423	0.267684
1103.18	1087.26	-1.72384423	0.267984
1107.23	1091.27	-1.71874423	0.268024
1109.98	1093.98	-1.71334423	0.268024
1111.49	1095.46	-1.70754423	0.267894
1111.84	1095.79	-1.70134423	0.267644
1111.14	1095.06	-1.69474423	0.267284
1109.48	1093.37	-1.68774423	0.266824
1106.98	1090.86	-1.68044423	0.266384
1103.76	1087.63	-1.67264423	0.265754
1099.97	1083.82	-1.66464423	0.265264
1095.73	1079.57	-1.65614423	0.264604
1091.19	1075.02	-1.64734423	0.264004
1086.49	1070.31	-1.63814423	0.263354
1081.75	1065.57	-1.62864423	0.262774
1077.12	1060.93	-1.61874423	0.262174
1072.72	1056.53	-1.60854423	0.261644
1068.66	1052.47	-1.59804423	0.261204
1065.06	1048.86	-1.58714423	0.260754
1062	1045.8	-1.57604423	0.260494
1059.57	1043.37	-1.56454423	0.260244
1057.84	1041.64	-1.55274423	0.260094
1056.86	1040.65	-1.54064423	0.260044
1056.66	1040.45	-1.52824423	0.260114
1057.26	1041.04	-1.51544423	0.260174
1058.67	1042.45	-1.50244423	0.260454
1060.88	1044.64	-1.48914423	0.260834
1063.85	1047.61	-1.47544423	0.261214
1067.54	1051.29	-1.46144423	0.261694
1071.9	1055.64	-1.44724423	0.262374
1076.84	1060.57	-1.43264423	0.263044
1082.29	1066.01	-1.41764423	0.263704
1088.15	1071.86	-1.40244423	0.264554
1094.3	1078.01	-1.38684423	0.265374
1100.64	1084.33	-1.37084423	0.266164
1107.03	1090.72	-1.35454423	0.267014
1113.34	1097.03	-1.33794423	0.267924
1119.45	1103.13	-1.32084423	0.268684
1125.21	1108.89	-1.30344423	0.269474
1130.5	1114.18	-1.28564423	0.270194
1135.18	1118.86	-1.26754423	0.270943
1139.13	1122.81	-1.24894423	0.271501
1142.23	1125.92	-1.23004423	0.272062
1144.38	1128.08	-1.21064423	0.272418
1145.49	1129.21	-1.19094423	0.272759
1145.62	1129.35	-1.17074423	0.272878
1144.26	1128.02	-1.15024423	0.272966
1141.81	1125.59	-1.12934423	0.272915
1138.09	1121.91	-1.10794423	0.272618
1133.09	1116.94	-1.08624423	0.272266

1126.81	1110.69	-1.06414423	0.271754
1119.27	1103.19	-1.04174423	0.271174
1110.51	1094.48	-1.01884423	0.270321
1100.59	1084.61	-0.99574423	0.269488
1089.58	1073.65	-0.97224423	0.26847
1077.58	1061.7	-0.94844423	0.26736
1064.67	1048.85	-0.92424423	0.266055
1050.98	1035.21	-0.89984423	0.264749
1036.62	1020.91	-0.87524423	0.263438
1021.73	1006.08	-0.85024423	0.261916
1006.44	990.858	-0.82514423	0.260478
990.883	975.372	-0.79974423	0.25892
975.21	959.766	-0.77414423	0.257337
959.553	944.177	-0.74844423	0.255823
944.045	928.739	-0.72254423	0.254272
928.815	913.578	-0.69644423	0.252679
913.98	898.813	-0.67034423	0.251237
899.649	884.552	-0.64404423	0.249739
885.919	870.891	-0.61774423	0.248377
872.87	857.911	-0.59134423	0.247044
860.569	845.679	-0.56494423	0.245829
849.067	834.245	-0.53844423	0.244624
838.396	823.642	-0.51194423	0.243518
828.572	813.885	-0.48544423	0.2425
819.591	804.97	-0.45894423	0.241559
811.433	796.877	-0.43254423	0.24078
804.06	789.569	-0.40604423	0.239952
797.419	782.992	-0.37964423	0.239259
791.439	777.076	-0.35334423	0.238688
786.039	771.739	-0.32704423	0.238123
781.124	766.886	-0.30074423	0.237547
776.587	762.412	-0.27454423	0.237045
772.316	758.204	-0.24844423	0.2366
768.191	754.141	-0.22244423	0.236195
764.089	750.102	-0.19644423	0.235713
759.886	745.963	-0.17064423	0.235336
755.459	741.6	-0.14484423	0.234846
750.689	736.895	-0.11914423	0.234327
745.464	731.736	-0.09354423	0.233762
739.68	726.018	-0.06804423	0.233133
733.244	719.649	-0.04264423	0.232425
726.074	712.547	-0.01744423	0.231721
718.106	704.648	0.00765577	0.230907
709.289	695.901	0.03265577	0.229968
699.592	686.274	0.05755577	0.22889
688.999	675.753	0.08215577	0.22786
677.518	664.343	0.10665577	0.226666
665.171	652.069	0.13105577	0.225297
652.003	638.973	0.15515577	0.223943
638.077	625.119	0.17905577	0.222494
623.471	610.586	0.20275577	0.220942
608.284	595.471	0.22615577	0.21938
592.628	579.886	0.24925577	0.217801
576.629	563.957	0.27215577	0.216099
560.424	547.821	0.29475577	0.21437

544.16	531.624	0.31695577	0.212709
527.99	515.519	0.33885577	0.211013
512.071	499.663	0.36045577	0.209279
496.562	484.215	0.38155577	0.207704
481.619	469.33	0.40235577	0.206086
467.394	455.161	0.42265577	0.204624
454.034	441.852	0.44265577	0.203114
441.671	429.539	0.46205577	0.201857
430.43	418.343	0.48105577	0.20065
420.416	408.371	0.49965577	0.199491
411.721	399.714	0.51765577	0.198578
404.415	392.442	0.53525577	0.19771
398.55	386.607	0.55235577	0.196983
394.155	382.24	0.56885577	0.196496
391.24	379.347	0.58495577	0.196044
389.79	377.916	0.60045577	0.195825
389.605	377.739	0.61545577	0.195735
391.128	379.281	0.62995577	0.195769
393.786	381.947	0.64395577	0.195923
397.652	385.816	0.65735577	0.196293
402.616	390.781	0.67035577	0.196674
408.558	396.719	0.68285577	0.197161
415.345	403.499	0.69485577	0.197748
422.83	410.977	0.70635577	0.198432
430.86	418.998	0.71735577	0.199206
439.277	427.401	0.72795577	0.199966
447.918	436.027	0.73805577	0.200805
456.631	444.722	0.74775577	0.201619
465.266	453.337	0.75695577	0.202504
473.688	461.735	0.76585577	0.203257
481.774	469.796	0.77425577	0.204075
489.423	477.416	0.78225577	0.204859
496.551	484.512	0.78995577	0.205507
503.099	491.026	0.79715577	0.206224
509.033	496.923	0.80405577	0.206804
514.341	502.191	0.81055577	0.207374
519.036	506.845	0.81675577	0.207814
523.156	510.921	0.82255577	0.208254
526.761	514.479	0.82805577	0.208584
529.93	517.6	0.83315577	0.208934
532.761	520.381	0.83795577	0.209204
535.368	522.936	0.84235577	0.209514
537.878	525.391	0.84655577	0.209674
540.425	527.883	0.85025577	0.209994
543.151	530.552	0.85375577	0.210204
546.2	533.541	0.85685577	0.210514
549.713	536.992	0.85975577	0.210744
553.826	541.043	0.86225577	0.211094
558.67	545.822	0.86445577	0.211494
564.361	551.446	0.86625577	0.212064
571.004	558.02	0.86785577	0.212614
578.685	565.63	0.86915577	0.213264
587.473	574.346	0.87025577	0.213924
597.415	584.214	0.87095577	0.214804
608.538	595.261	0.87145577	0.215724

620.844	607.489	0.87165577	0.216794
634.311	620.877	0.87175577	0.217834
648.893	635.38	0.87155577	0.219044
664.524	650.929	0.87115577	0.220344
681.11	667.434	0.87055577	0.221734
698.542	684.784	0.86985577	0.223134
716.688	702.847	0.86895577	0.224654
735.4	721.477	0.86805577	0.226094
754.519	740.514	0.86695577	0.227664
773.873	759.786	0.86575577	0.229264
793.283	779.114	0.86465577	0.230724
812.567	798.317	0.86345577	0.232234
831.541	817.212	0.86225577	0.233704
850.027	835.62	0.86105577	0.235154
867.851	853.369	0.85995577	0.236474
884.853	870.295	0.85885577	0.237784
900.881	886.251	0.85795577	0.238894
915.804	901.104	0.85705577	0.240004
929.507	914.739	0.85635577	0.240934
941.897	927.064	0.85575577	0.241794
952.903	938.008	0.85525577	0.242584
962.479	947.525	0.85505577	0.243124
970.603	955.594	0.85495577	0.243614
977.28	962.218	0.85505577	0.243984
982.538	967.425	0.85535577	0.244244
986.428	971.269	0.85585577	0.244394
989.027	973.824	0.85655577	0.244464
990.43	975.186	0.85755577	0.244354
990.753	975.471	0.85865577	0.244284
990.128	974.81	0.86005577	0.244064
988.702	973.35	0.86165577	0.243814
986.631	971.248	0.86345577	0.243554
984.082	968.67	0.86545577	0.243284
981.225	965.785	0.86765577	0.243024
978.232	962.766	0.87005577	0.242794
975.276	959.784	0.87265577	0.242594
972.522	957.005	0.87545577	0.242444
970.13	954.588	0.87845577	0.242354
968.248	952.682	0.88165577	0.242334
967.01	951.42	0.88505577	0.242404
966.538	950.922	0.88855577	0.242664
966.932	951.291	0.89235577	0.242924
968.275	952.608	0.89625577	0.243394
970.629	954.935	0.90035577	0.243974
974.033	958.312	0.90465577	0.244674
978.506	962.757	0.90925577	0.245404
984.043	968.264	0.91395577	0.246374
990.617	974.807	0.91885577	0.247464
998.179	982.337	0.92395577	0.248694
1006.66	990.787	0.92925577	0.250054
1015.98	1000.07	0.93485577	0.251454
1026.04	1010.09	0.94065577	0.252994
1036.71	1020.73	0.94675577	0.254564
1047.88	1031.86	0.95305577	0.256264
1059.39	1043.34	0.95975577	0.257904

1071.12	1055.03	0.96665577	0.259664
1082.89	1066.77	0.97385577	0.261444
1094.56	1078.4	0.98145577	0.263154
1105.98	1089.78	0.98935577	0.264874
1116.97	1100.74	0.99755577	0.266604
1127.4	1111.14	1.00615577	0.268234
1137.1	1120.82	1.01515577	0.269774
1145.96	1129.65	1.02455577	0.271214
1153.83	1137.51	1.03425577	0.272634
1160.61	1144.27	1.04445577	0.273854
1166.19	1149.84	1.05505577	0.274954
1170.49	1154.12	1.06605577	0.275944
1173.44	1157.07	1.07745577	0.276804
1174.99	1158.61	1.08935577	0.277434
1175.22	1158.85	1.10165577	0.277944
1173.78	1157.41	1.11435577	0.278314
1171.02	1154.67	1.12755577	0.278464
1166.86	1150.52	1.14105577	0.278574
1161.33	1145.01	1.15505577	0.278444
1154.52	1138.22	1.16945577	0.278184
1146.49	1130.22	1.18425577	0.277774
1137.34	1121.1	1.19945577	0.277234
1127.19	1110.98	1.21505577	0.276554
1116.15	1099.98	1.23095577	0.275834
1104.35	1088.23	1.24725577	0.274974
1091.95	1075.86	1.26385577	0.274064
1079.07	1063.03	1.28075577	0.273124
1065.86	1049.87	1.29795577	0.272124
1052.48	1036.54	1.31555577	0.270984
1039.06	1023.17	1.33325577	0.270004
1025.74	1009.9	1.35135577	0.268864
1012.65	996.862	1.36965577	0.267764
999.917	984.181	1.38805577	0.266814
987.646	971.964	1.40675577	0.265794
975.934	960.306	1.42565577	0.264814
964.862	949.289	1.44475577	0.263854
954.495	938.976	1.46395577	0.263014
944.881	929.416	1.48335577	0.262174
936.047	920.637	1.50275577	0.261544
928.006	912.65	1.52245577	0.260804
920.748	905.446	1.54215577	0.260244
914.247	899	1.56195577	0.259744
908.459	893.266	1.58185577	0.259304
903.322	888.183	1.60185577	0.258914
898.76	883.675	1.62195577	0.258544
894.68	879.651	1.64215577	0.258184
890.979	876.005	1.66235577	0.257924
887.543	872.625	1.68265577	0.257644
884.248	869.388	1.70305577	0.257324
880.966	866.164	1.72345577	0.257054
877.565	862.822	1.74385577	0.256804
873.91	859.228	1.76445577	0.256374
869.869	855.25	1.78495577	0.256034
865.314	850.76	1.80555577	0.255564
860.123	845.636	1.82615577	0.255054

854.184	839.765	1.84685577	0.254384
847.393	833.045	1.86745577	0.253734
839.663	825.388	1.88815577	0.252874
830.918	816.719	1.90885577	0.251914
821.101	806.979	1.92945577	0.250914
810.171	796.13	1.95015577	0.249674
798.106	784.148	1.97075577	0.248364
784.904	771.032	1.99125577	0.246974
770.581	756.796	2.01175577	0.245394
755.174	741.478	2.03215577	0.243704
738.735	725.132	2.05245577	0.241894
721.34	707.829	2.07265577	0.239964
703.076	689.66	2.09265577	0.237974
684.05	670.73	2.11255577	0.235834
664.379	651.156	2.13225577	0.233634
644.196	631.071	2.15175577	0.231354
623.64	610.612	2.17095577	0.229084
602.858	589.929	2.18995577	0.226724
582.003	569.172	2.20865577	0.224354
561.229	548.496	2.22705577	0.221974
540.689	528.053	2.24505577	0.219674
520.533	507.994	2.26275577	0.217334
500.906	488.462	2.28005577	0.215054
481.942	469.592	2.29705577	0.212734
463.767	451.508	2.31345577	0.210644
446.491	434.322	2.32955577	0.208494
430.21	418.131	2.34515577	0.206454
415.005	403.012	2.36015577	0.204634
400.936	389.027	2.37475577	0.202804
388.046	376.218	2.38885577	0.201064
376.355	364.607	2.40235577	0.199504
365.867	354.195	2.41535577	0.197994
356.563	344.966	2.42775577	0.196644
348.405	336.88	2.43965577	0.195324
341.337	329.882	2.45095577	0.194124
335.285	323.898	2.46155577	0.193124
330.16	318.837	2.47165577	0.192114
325.858	314.598	2.48115577	0.191184
322.264	311.065	2.49005577	0.190304
319.254	308.114	2.49835577	0.189464
316.698	305.615	2.50605577	0.188654
314.462	303.434	2.51315577	0.187854
312.413	301.437	2.51955577	0.187144
310.418	299.494	2.52545577	0.186324
308.352	297.476	2.53065577	0.185554
306.096	295.268	2.53525577	0.184744
303.544	292.762	2.53925577	0.183864
300.604	289.865	2.54255577	0.183014
297.197	286.5	2.54525577	0.182074
293.265	282.608	2.54735577	0.181044
288.768	278.149	2.54885577	0.179904
283.686	273.102	2.54965577	0.178744
278.02	267.47	2.54985577	0.177484
271.793	261.275	2.54935577	0.176184
265.048	254.559	2.54815577	0.174864

257.846	247.385	2.54635577	0.173414
250.268	239.831	2.54385577	0.171944
242.41	231.996	2.54065577	0.170434
234.384	223.99	2.53675577	0.168904
226.314	215.937	2.53215577	0.167344
218.332	207.971	2.52685577	0.165764
210.581	200.232	2.52085577	0.164164
203.205	192.865	2.51405577	0.162654
196.35	186.016	2.50655577	0.161144
190.158	179.828	2.49825577	0.159734
184.769	174.439	2.48925577	0.158334
180.311	169.978	2.47945577	0.157044
176.902	166.563	2.46895577	0.155784
174.647	164.299	2.45765577	0.154654
173.612	163.244	2.44555577	0.153654
173.927	163.55	2.43265577	0.152804
175.58	165.184	2.41905577	0.152004
178.617	168.199	2.40465577	0.151354
183.044	172.601	2.38945577	0.150874
188.844	178.372	2.37355577	0.150464
195.977	185.473	2.35695577	0.150134
204.383	193.844	2.33955577	0.149974
213.985	203.408	2.32145577	0.149904
224.685	214.067	2.30265577	0.149924
236.374	225.711	2.28315577	0.150034
248.928	238.217	2.26295577	0.150244
262.216	251.455	2.24215577	0.150454
276.099	265.285	2.22065577	0.150774
290.437	279.567	2.19855577	0.151104
305.089	294.16	2.17585577	0.151444
319.916	308.926	2.15255577	0.151814
334.784	323.732	2.12865577	0.152214
349.567	338.451	2.10425577	0.152554
364.149	352.968	2.07935577	0.152824
378.425	367.177	2.05395577	0.153054
392.302	380.987	2.02795577	0.153344
405.701	394.317	2.00155577	0.153494
418.558	407.106	1.97475577	0.153534
430.824	419.304	1.94745577	0.153554
442.467	430.878	1.91985577	0.153384
453.469	441.812	1.89175577	0.153224
463.829	452.104	1.86325577	0.153004
473.559	461.766	1.83445577	0.152614
482.686	470.826	1.80525577	0.152194
491.251	479.324	1.77565577	0.151744
499.305	487.312	1.74575577	0.151184
506.91	494.851	1.71555577	0.150534
514.137	502.012	1.68505577	0.149804
521.062	508.872	1.65425577	0.149024
527.767	515.512	1.62315577	0.148194
534.337	522.017	1.59175577	0.147354
540.857	528.473	1.56015577	0.146404
547.413	534.964	1.52815577	0.145574
554.085	541.572	1.49605577	0.144574
560.952	548.374	1.46355577	0.143724

568.086	555.443	1.43095577	0.142744
575.55	562.842	1.39805577	0.141844
583.401	570.627	1.36495577	0.140954
591.685	578.846	1.33155577	0.140174
600.441	587.536	1.29805577	0.139334
609.693	596.721	1.26435577	0.138534
619.458	606.419	1.23055577	0.137714
629.739	616.632	1.19655577	0.136964
640.53	627.355	1.16235577	0.136314
651.812	638.569	1.12805577	0.135664
663.559	650.247	1.09355577	0.135144
675.733	662.35	1.05905577	0.134554
688.286	674.834	1.02445577	0.134004
701.165	687.643	0.98975577	0.133524
714.309	700.716	0.95505577	0.133014
727.651	713.988	0.92025577	0.132574
741.121	727.387	0.88545577	0.132144
754.644	740.839	0.85065577	0.131707
768.146	754.27	0.81575577	0.131391
781.551	767.605	0.78105577	0.130902
794.787	780.771	0.74625577	0.130552
807.783	793.697	0.71155577	0.130151
820.473	806.317	0.67695577	0.129713
832.796	818.572	0.64245577	0.129246
844.699	830.406	0.60795577	0.128865
856.135	841.775	0.57365577	0.12838
867.069	852.641	0.53945577	0.127905
877.47	862.977	0.50545577	0.12735
887.323	872.764	0.47155577	0.126831
896.618	881.994	0.43785577	0.126259
905.358	890.67	0.40425577	0.12575
913.56	898.806	0.37085577	0.125215
921.27	906.438	0.33765577	0.124674
928.55	913.644	0.30475577	0.124046
935.488	920.507	0.27195577	0.123552
942.173	927.119	0.23945577	0.123014
948.696	933.57	0.20705577	0.122651
955.15	939.952	0.17495577	0.122285
961.624	946.355	0.14315577	0.121934
968.205	952.866	0.11145577	0.121819
974.973	959.564	0.08015577	0.121657
982.002	966.525	0.04905577	0.121666
989.358	973.813	0.01815577	0.121864
997.096	981.482	-0.01244423	0.122166
1005.26	989.578	-0.04274423	0.122589
1013.88	998.132	-0.07274423	0.123146
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1032.56	1016.68	-0.13184423	0.124718
1042.61	1026.66	-0.16084423	0.125657
1053.12	1037.11	-0.18964423	0.126878
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1253.31	1236.28	-0.69584423	0.174583
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1235.02	1217.94	-0.87004423	0.20009
1230.52	1213.46	-0.88264423	0.202108
1225.94	1208.89	-0.89474423	0.204099
1221.35	1204.32	-0.90634423	0.206062
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1204.37	1187.4	-0.94774423	0.213544
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1197.46	1180.53	-0.96554423	0.217108
1194.53	1177.62	-0.97374423	0.218855
1191.96	1175.06	-0.98144423	0.220539
1189.76	1172.88	-0.98874423	0.222256
1187.91	1171.06	-0.99544423	0.223799
1186.41	1169.58	-1.00184423	0.225464
1185.23	1168.41	-1.00774423	0.227044
1184.32	1167.52	-1.01314423	0.228536
1183.64	1166.87	-1.01814423	0.230032
1183.15	1166.4	-1.02264423	0.231427
1182.8	1166.06	-1.02664423	0.232716
1182.51	1165.79	-1.03034423	0.234093
1182.22	1165.53	-1.03344423	0.235253
1181.89	1165.21	-1.03614423	0.236389
1181.43	1164.78	-1.03844423	0.237497
1180.79	1164.16	-1.04024423	0.238472
1179.92	1163.31	-1.04164423	0.239408
1178.75	1162.16	-1.04254423	0.240203
1177.25	1160.68	-1.04294423	0.240851
1175.36	1158.82	-1.04304423	0.24155

1173.06	1156.54	-1.04254423	0.241995
1170.33	1153.82	-1.04174423	0.242484
1167.13	1150.65	-1.04044423	0.242815
1163.48	1147.02	-1.03874423	0.243085
1159.37	1142.93	-1.03654423	0.243194
1154.81	1138.4	-1.03404423	0.243341
1149.84	1133.44	-1.03104423	0.243325
1144.47	1128.1	-1.02764423	0.243246
1138.76	1122.42	-1.02384423	0.243104
1132.76	1116.43	-1.01964423	0.2429
1126.51	1110.21	-1.01504423	0.242635
1120.08	1103.8	-1.01004423	0.242311
1113.55	1097.29	-1.00474423	0.242029
1106.98	1090.74	-0.99904423	0.241691
1100.44	1084.22	-0.99304423	0.241399
1094.01	1077.82	-0.98664423	0.241054
1087.77	1071.59	-0.97984423	0.240658
1081.79	1065.63	-0.97284423	0.240414
1076.15	1060	-0.96544423	0.240123
1070.9	1054.77	-0.95774423	0.239886
1066.11	1050	-0.94974423	0.239704
1061.84	1045.74	-0.94134423	0.239479
1058.13	1042.04	-0.93274423	0.23941
1055.03	1038.94	-0.92384423	0.239398
1052.55	1036.47	-0.91464423	0.239442
1050.72	1034.65	-0.90524423	0.239642
1049.54	1033.48	-0.89544423	0.239796
1048.99	1032.93	-0.88544423	0.240102
1049.12	1033.06	-0.87514423	0.240458
1049.83	1033.77	-0.86454423	0.240861
1051.1	1035.05	-0.85364423	0.241308
1052.9	1036.85	-0.84244423	0.241794
1055.16	1039.1	-0.83104423	0.242416
1057.8	1041.75	-0.81934423	0.243069
1060.77	1044.71	-0.80734423	0.243748
1063.97	1047.92	-0.79504423	0.244448
1067.33	1051.27	-0.78244423	0.245162
1070.74	1054.69	-0.76954423	0.245885
1074.13	1058.07	-0.75644423	0.246711
1077.39	1061.33	-0.74294423	0.247433
1080.44	1064.38	-0.72914423	0.248145
1083.19	1067.13	-0.71504423	0.248841
1085.55	1069.5	-0.70064423	0.249515
1087.45	1071.4	-0.68594423	0.25016
1088.82	1072.77	-0.67084423	0.250669
1089.59	1073.55	-0.65554423	0.251238
1089.73	1073.7	-0.63984423	0.25166
1089.13	1073.11	-0.62384423	0.25203
1087.83	1071.82	-0.60754423	0.252341
1085.78	1069.79	-0.59094423	0.25259
1082.98	1067	-0.57404423	0.252771
1079.42	1063.46	-0.55684423	0.25288
1075.13	1059.19	-0.53924423	0.252812
1070.13	1054.21	-0.52144423	0.252763
1064.45	1048.55	-0.50334423	0.25263

1058.14	1042.27	-0.48494423	0.25241
1051.26	1035.42	-0.46634423	0.252198
1043.88	1028.06	-0.44734423	0.251792
1036.06	1020.27	-0.42824423	0.251488
1027.88	1012.12	-0.40874423	0.250984
1019.43	1003.7	-0.38914423	0.250576
1010.78	995.082	-0.36924423	0.250063
1002.03	986.36	-0.34924423	0.24964
993.25	977.616	-0.32894423	0.249104
984.534	968.933	-0.30844423	0.248553
975.957	960.39	-0.28784423	0.248083
967.595	952.062	-0.26704423	0.24759
959.517	944.018	-0.24614423	0.24717
951.783	936.318	-0.22504423	0.246718
944.447	929.017	-0.20374423	0.246231
937.553	922.157	-0.18244423	0.245902
931.135	915.772	-0.16094423	0.245527
925.214	909.885	-0.13934423	0.245198
919.804	904.508	-0.11774423	0.245011
914.906	899.643	-0.09594423	0.244757
910.509	895.279	-0.07404423	0.244529
906.593	891.394	-0.05214423	0.244421
903.125	887.959	-0.03014423	0.244322
900.066	884.932	-0.00804423	0.244225
897.365	882.263	0.01405577	0.24422
894.963	879.893	0.03635577	0.244098
892.796	877.758	0.05865577	0.244049
890.793	875.787	0.08095577	0.244063
888.878	873.905	0.10335577	0.244031
886.974	872.035	0.12575577	0.24404
885.001	870.095	0.14825577	0.243982
882.88	868.008	0.17085577	0.243844
880.531	865.695	0.19345577	0.243717
877.879	863.08	0.21615577	0.24349
874.854	860.093	0.23875577	0.243352
871.39	856.667	0.26155577	0.242993
867.427	852.744	0.28425577	0.242702
862.915	848.273	0.30705577	0.242269
857.81	843.211	0.32985577	0.241785
852.081	837.526	0.35265577	0.24124
845.704	831.195	0.37545577	0.240624
838.667	824.205	0.39835577	0.239829
830.965	816.554	0.42115577	0.239045
822.6	808.244	0.44395577	0.238163
813.58	799.279	0.46675577	0.237175
803.922	789.679	0.48945577	0.23617
793.653	779.469	0.51215577	0.235041
782.808	768.684	0.53485577	0.233777
771.431	757.369	0.55735577	0.232572
759.573	745.574	0.57985577	0.231216
747.293	733.359	0.60225577	0.229801
734.655	720.787	0.62455577	0.22832
721.729	707.927	0.64665577	0.226864
708.587	694.853	0.66865577	0.225325
695.306	681.639	0.69045577	0.223795

681.96	668.363	0.71215577	0.222167
668.627	655.099	0.73355577	0.220633
655.381	641.922	0.75485577	0.218984
642.293	628.903	0.77585577	0.217413
629.431	616.11	0.79665577	0.215814
616.857	603.605	0.81725577	0.214174
604.627	591.443	0.83745577	0.212684
592.789	579.674	0.85755577	0.211034
581.386	568.339	0.87725577	0.209524
570.449	557.469	0.89665577	0.208044
560.002	547.089	0.91575577	0.206574
550.059	537.212	0.93445577	0.205204
540.627	527.845	0.95285577	0.203844
531.699	518.982	0.97095577	0.202464
523.264	510.61	0.98865577	0.201154
515.3	502.709	1.00605577	0.199814
507.778	495.248	1.02295577	0.198624
500.66	488.191	1.03955577	0.197374
493.904	481.495	1.05575577	0.196154
487.462	475.112	1.07155577	0.194964
481.281	468.989	1.08695577	0.193774
475.307	463.072	1.10185577	0.192684
469.483	457.304	1.11645577	0.191474
463.751	451.628	1.13055577	0.190344
458.055	445.988	1.14425577	0.189174
452.343	440.329	1.15755577	0.187964
446.562	434.602	1.17035577	0.186794
440.669	428.762	1.18275577	0.185554
434.623	422.768	1.19465577	0.184334
428.392	416.587	1.20605577	0.183134
421.949	410.195	1.21705577	0.181844
415.278	403.573	1.22755577	0.180544
408.371	396.714	1.23765577	0.179134
401.228	389.619	1.24715577	0.177804
393.861	382.298	1.25625577	0.176354
386.287	374.77	1.26475577	0.174974
378.536	367.063	1.27285577	0.173454
370.644	359.214	1.28035577	0.172004
362.657	351.268	1.28735577	0.170494
354.625	343.277	1.29385577	0.168944
346.608	335.298	1.29975577	0.167434
338.669	327.396	1.30505577	0.165974
330.874	319.636	1.30985577	0.164464
323.293	312.089	1.31405577	0.162984
315.998	304.825	1.31775577	0.161444
309.059	297.916	1.32075577	0.160034
302.545	291.429	1.32325577	0.158564
296.523	285.431	1.32505577	0.157224
291.053	279.985	1.32635577	0.155814
286.193	275.145	1.32695577	0.154544
281.991	270.961	1.32695577	0.153294
278.489	267.474	1.32625577	0.152174
275.718	264.716	1.32505577	0.150984
273.702	262.71	1.32315577	0.149924
272.452	261.467	1.32055577	0.148974

271.969	260.99	1.31745577	0.147954
272.245	261.268	1.31365577	0.147054
273.258	262.281	1.30915577	0.146274
274.977	263.998	1.30405577	0.145514
277.362	266.379	1.29835577	0.144764
280.362	269.373	1.29205577	0.144034
283.92	272.922	1.28505577	0.143404
287.969	276.961	1.27745577	0.142794
292.44	281.42	1.26925577	0.142184
297.258	286.225	1.26045577	0.141594
302.346	291.298	1.25095577	0.141094
307.628	296.563	1.24095577	0.140504
313.027	301.945	1.23035577	0.139924
318.471	307.37	1.21915577	0.139334
323.89	312.769	1.20745577	0.138664
329.222	318.081	1.19505577	0.138084
334.411	323.248	1.18225577	0.137314
339.409	328.223	1.16875577	0.136654
344.177	332.967	1.15475577	0.135894
348.685	337.451	1.14025577	0.135054
352.914	341.656	1.12525577	0.134134
356.854	345.571	1.10965577	0.133224
360.506	349.197	1.09355577	0.132244
363.879	352.544	1.07695577	0.131194
366.993	355.632	1.05985577	0.130074
369.875	358.487	1.04215577	0.128994
372.559	361.144	1.02405577	0.127774
375.087	363.645	1.00545577	0.126494
377.505	366.035	0.98635577	0.125194
379.864	368.366	0.96675577	0.123854
382.217	370.69	0.94675577	0.122404
384.618	373.062	0.92615577	0.121034
387.122	375.536	0.90515577	0.119574
389.782	378.167	0.88365577	0.118114
392.651	381.004	0.86175577	0.116566
395.774	384.096	0.83935577	0.115049
399.197	387.486	0.81645577	0.113567
402.955	391.212	0.79315577	0.11203
407.082	395.304	0.76935577	0.110548
411.601	399.789	0.74525577	0.108928
416.531	404.683	0.72055577	0.107482
421.882	409.997	0.69555577	0.105917
427.656	415.734	0.67015577	0.104343
433.849	421.889	0.64425577	0.102868
440.449	428.449	0.61805577	0.101302
447.435	435.397	0.59135577	0.099854
454.784	442.705	0.56435577	0.09833
462.47	450.345	0.53705577	0.096742
470.475	458.297	0.50935577	0.095198
478.78	466.553	0.48125577	0.09371
487.374	475.095	0.45285577	0.092191
496.235	483.904	0.42415577	0.09065
505.342	492.957	0.39515577	0.0891
514.668	502.23	0.36575577	0.087652
524.185	511.692	0.33615577	0.086118

533.863	521.315	0.30635577	0.08451
543.668	531.065	0.27615577	0.083039
553.566	540.909	0.24585577	0.081417
563.523	550.81	0.21525577	0.079855
573.502	560.734	0.18435577	0.078365
583.467	570.645	0.15335577	0.07676
593.382	580.505	0.12215577	0.075151
603.211	590.281	0.09075577	0.073551
612.921	599.936	0.05915577	0.07197
622.477	609.439	0.02745577	0.070322
631.848	618.758	-0.00434423	0.068619
641.006	627.865	-0.03634423	0.066973
649.923	636.731	-0.06844423	0.065296
658.577	645.335	-0.10064423	0.063601
666.946	653.655	-0.13294423	0.0619
675.013	661.673	-0.16534423	0.060206
682.763	669.377	-0.19784423	0.058533
690.188	676.755	-0.23034423	0.056791
697.279	683.802	-0.26294423	0.055095
704.035	690.513	-0.29554423	0.053357
710.454	696.889	-0.32824423	0.051689
716.541	702.935	-0.36094423	0.050004
722.304	708.657	-0.39364423	0.048314
727.752	714.065	-0.42634423	0.046633
732.899	719.173	-0.45904423	0.044972
737.76	723.996	-0.49184423	0.043443
742.352	728.552	-0.52454423	0.041859
746.696	732.861	-0.55724423	0.040332
750.813	736.943	-0.58994423	0.038872
754.724	740.821	-0.62264423	0.037491
758.451	744.516	-0.65534423	0.0362
762.017	748.05	-0.68794423	0.03491
765.444	751.447	-0.72054423	0.033731
768.753	754.727	-0.75304423	0.032573
771.963	757.909	-0.78554423	0.031546
775.093	761.012	-0.81804423	0.030657
778.16	764.052	-0.85044423	0.029817
781.177	767.044	-0.88284423	0.029133
784.158	770.001	-0.91514423	0.028511
787.112	772.931	-0.94734423	0.027961
790.047	775.842	-0.97954423	0.027586
792.966	778.739	-1.01164423	0.027294
795.871	781.624	-1.04364423	0.027094
798.761	784.494	-1.07564423	0.027074
801.631	787.345	-1.10754423	0.027164
804.473	790.169	-1.13934423	0.027344
807.278	792.956	-1.17104423	0.027624
810.03	795.693	-1.20274423	0.028114
812.714	798.363	-1.23424423	0.028604
815.311	800.947	-1.26574423	0.029294
817.801	803.426	-1.29704423	0.029994
820.161	805.775	-1.32834423	0.030894
822.366	807.971	-1.35944423	0.031804
824.391	809.989	-1.39054423	0.032904
826.21	811.803	-1.42144423	0.034014

827.797	813.387	-1.45234423	0.035314
829.126	814.713	-1.48304423	0.036604
830.171	815.759	-1.51374423	0.038084
830.909	816.498	-1.54424423	0.039544
831.317	816.91	-1.57464423	0.041094
831.391	816.987	-1.60494423	0.042704
831.067	816.673	-1.63514423	0.044394
830.377	815.993	-1.66514423	0.046034
829.297	814.923	-1.69514423	0.047844
827.818	813.458	-1.72504423	0.049694
825.94	811.594	-1.75474423	0.051494
823.664	809.335	-1.78444423	0.053424
820.998	806.687	-1.81394423	0.055294
817.953	803.661	-1.84344423	0.057284
814.545	800.275	-1.87284423	0.059294
810.796	796.547	-1.90214423	0.061314
806.729	792.503	-1.93134423	0.063344
802.373	788.171	-1.96044423	0.065364
797.759	783.582	-1.98954423	0.067474
792.924	778.772	-2.01854423	0.069574
787.905	773.779	-2.04744423	0.071654
782.746	768.644	-2.07634423	0.073804
777.489	763.413	-2.10514423	0.075924
772.183	758.131	-2.13394423	0.078104
766.876	752.849	-2.16274423	0.080344
761.62	747.616	-2.19144423	0.082534
756.466	742.484	-2.22014423	0.084764
751.468	737.507	-2.24884423	0.087044
746.679	732.739	-2.27754423	0.089364
742.153	728.233	-2.30624423	0.091714
737.944	724.041	-2.33494423	0.094084
734.103	720.216	-2.36364423	0.096494
730.679	716.806	-2.39234423	0.098924
727.717	713.856	-2.42104423	0.101384
725.26	711.408	-2.44984423	0.103954
723.343	709.498	-2.47854423	0.106444
721.998	708.158	-2.50734423	0.109044
721.251	707.413	-2.53614423	0.111664
721.107	707.27	-2.56504423	0.114394
721.62	707.778	-2.59384423	0.117034
722.756	708.908	-2.62274423	0.119784
724.529	710.672	-2.65164423	0.122554
726.934	713.065	-2.68064423	0.125424
729.96	716.075	-2.70954423	0.128214
733.591	719.688	-2.73854423	0.131114
737.808	723.884	-2.76754423	0.134034
742.588	728.639	-2.79654423	0.136964
747.906	733.928	-2.82544423	0.139824
753.734	739.726	-2.85444423	0.142804
760.049	746.005	-2.88344423	0.145804
766.824	752.742	-2.91234423	0.148744
774.038	759.913	-2.94124423	0.151724
781.672	767.5	-2.97014423	0.154754
789.713	775.49	-2.99894423	0.157734
798.153	783.874	-3.02774423	0.160784

806.991	792.653	-3.05644423	0.163804
816.234	801.831	-3.08504423	0.166814
825.898	811.424	-3.11354423	0.169814
836.004	821.456	-3.14204423	0.172934
846.586	831.956	-3.17034423	0.175994
857.681	842.965	-3.19854423	0.179084
869.338	854.53	-3.22654423	0.182154
881.612	866.705	-3.25444423	0.185294
894.561	879.551	-3.28224423	0.188544
908.253	893.132	-3.30974423	0.191724
922.755	907.517	-3.33714423	0.195054
938.138	922.777	-3.36434423	0.198454
954.472	938.983	-3.39124423	0.201864
971.828	956.203	-3.41794423	0.205384
990.268	974.503	-3.44434423	0.208964
1009.85	993.941	-3.47044423	0.212624
1030.63	1014.57	-3.49624423	0.216384
1052.64	1036.42	-3.52164423	0.220174
1075.92	1059.54	-3.54684423	0.224224
1100.47	1083.92	-3.57154423	0.228264
1126.29	1109.57	-3.59584423	0.232414
1153.36	1136.48	-3.61964423	0.236604
1181.65	1164.59	-3.64304423	0.240954
1211.1	1193.86	-3.66584423	0.245304
1241.62	1224.21	-3.68814423	0.249764
1273.13	1255.54	-3.70994423	0.254354
1305.51	1287.73	-3.73104423	0.258914
1338.61	1320.66	-3.75144423	0.263464
1372.28	1354.15	-3.77124423	0.268104
1406.35	1388.05	-3.79034423	0.272784
1440.64	1422.16	-3.80854423	0.277294
1474.92	1456.28	-3.82604423	0.281874
1509	1490.2	-3.84264423	0.286334
1542.64	1523.68	-3.85834423	0.290684
1575.61	1556.49	-3.87314423	0.294954
1607.67	1588.41	-3.88694423	0.299054
1638.59	1619.19	-3.89974423	0.302994
1668.13	1648.6	-3.91154423	0.306784
1696.06	1676.41	-3.92224423	0.310344
1722.15	1702.39	-3.93184423	0.313684
1746.2	1726.33	-3.94024423	0.316724
1768.01	1748.05	-3.94754423	0.319564
1787.41	1767.36	-3.95364423	0.322114
1804.23	1784.1	-3.95854423	0.324384
1818.34	1798.15	-3.96224423	0.326394
1829.63	1809.39	-3.96464423	0.328044
1838.03	1817.75	-3.96584423	0.329444
1843.48	1823.17	-3.96574423	0.330504
1846.1	1825.76	-3.96434423	0.331234
1845.51	1825.16	-3.96164423	0.331624
1842.15	1821.81	-3.95774423	0.331804
1836	1815.66	-3.95254423	0.331674
1827.17	1806.84	-3.94604423	0.331234
1815.84	1795.53	-3.93834423	0.330604
1802.21	1781.92	-3.92944423	0.329774

1786.52	1766.26	-3.91924423	0.328654
1769.02	1748.8	-3.90794423	0.327464
1750.02	1729.83	-3.89534423	0.325994
1729.82	1709.68	-3.88164423	0.324454
1708.76	1688.66	-3.86684423	0.322854
1687.18	1667.12	-3.85094423	0.321194
1665.43	1645.41	-3.83404423	0.319574
1643.84	1623.87	-3.81604423	0.317914
1622.78	1602.85	-3.79704423	0.316304
1602.56	1582.68	-3.77704423	0.314754
1583.51	1563.66	-3.75614423	0.313364
1565.92	1546.11	-3.73424423	0.312034
1550.04	1530.27	-3.71154423	0.310964
1536.11	1516.38	-3.68794423	0.310064
1524.33	1504.62	-3.66344423	0.309334
1514.82	1495.14	-3.63804423	0.308754
1507.71	1488.06	-3.61194423	0.308524
1503.06	1483.42	-3.58494423	0.308444
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1501.11	1481.5	-3.52864423	0.309084
1503.72	1484.12	-3.49924423	0.309694
1508.57	1488.97	-3.46904423	0.310504
1515.5	1495.9	-3.43804423	0.311514
1524.32	1504.72	-3.40634423	0.312794
1534.79	1515.19	-3.37374423	0.314144
1546.67	1527.05	-3.34034423	0.315634
1559.65	1540.03	-3.30604423	0.317144
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1587.72	1568.07	-3.23504423	0.320474
1602.15	1582.5	-3.19824423	0.322154
1616.41	1596.74	-3.16054423	0.323784
1630.16	1610.49	-3.12204423	0.325434
1643.07	1623.4	-3.08254423	0.326884
1654.84	1635.16	-3.04214423	0.328224
1665.17	1645.5	-3.00084423	0.329434
1673.79	1654.12	-2.95854423	0.330384
1680.45	1660.8	-2.91534423	0.331164
1684.94	1665.3	-2.87124423	0.331754
1687.21	1667.61	-2.82614423	0.332024
1686.71	1667.12	-2.78014423	0.332074
1683.73	1664.18	-2.73324423	0.331864
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1485.81	1467.15	-2.16054423	0.311764
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1242.48	1224.86	-1.69524423	0.286604
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1185.88	1168.54	-1.57514423	0.280624
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1134.17	1117.11	-1.45424423	0.275194
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985.496	969.52	-0.96664423	0.259382
972.728	956.884	-0.90564423	0.258025
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938.841	923.393	-0.72294423	0.25442
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917.91	902.725	-0.60154423	0.252224
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896.311	881.394	-0.48064423	0.250064
884.739	869.957	-0.42034423	0.248877
872.391	857.746	-0.36024423	0.247675
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812.076	797.99	-0.12144423	0.241701
793.682	779.738	-0.06224423	0.239871
773.826	760.026	-0.00334423	0.237953
752.495	738.84	0.05535577	0.235823
729.71	716.201	0.11365577	0.233659
705.523	692.159	0.17175577	0.231242
680.023	666.803	0.22945577	0.228752
653.332	640.254	0.28675577	0.226173
625.606	612.668	0.34365577	0.22349
597.033	584.232	0.40015577	0.22069
567.83	555.163	0.45615577	0.217861
538.235	525.699	0.51175577	0.214893
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478.936	466.648	0.62115577	0.209107
449.782	437.621	0.67505577	0.206174
421.28	409.27	0.72825577	0.203369
393.636	381.765	0.78085577	0.200578
366.998	355.273	0.83275577	0.197884
341.505	329.921	0.88395577	0.195284
317.262	305.822	0.93435577	0.192854
294.352	283.052	0.98405577	0.190464
272.828	261.667	1.03295577	0.188224
252.715	241.692	1.08115577	0.185994
234.012	223.124	1.12845577	0.183954
216.69	205.936	1.17485577	0.182094

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185.953	175.457	1.26525577	0.178524
172.365	161.994	1.30905577	0.176964
159.817	149.569	1.35205577	0.175384
148.184	138.054	1.39415577	0.173874
137.326	127.312	1.43525577	0.172514
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89.7181	80.219	1.62715577	0.165604
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62.0151	52.7657	1.73095577	0.161174
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42.5599	33.4473	1.79535577	0.157934
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22.2153	13.2134	1.85575577	0.154524
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39.5256	29.89	2.24485577	0.130634
62.3682	52.5515	2.25075577	0.131084
84.7066	74.7082	2.25565577	0.131724
105.515	95.4131	2.25975577	0.132364
124.876	114.807	2.26295577	0.133124
144.209	134.259	2.26535577	0.133914
165.382	155.507	2.26695577	0.134744
189.225	179.254	2.26775577	0.135644
214.678	204.405	2.26775577	0.136604
239.507	228.881	2.26715577	0.137454
262.269	251.514	2.26575577	0.138404
283.558	272.885	2.26375577	0.139274
304.833	294.18	2.26115577	0.140064
326.435	315.579	2.25785577	0.140914
347.35	336.217	2.25405577	0.141634
366.691	355.439	2.24965577	0.142334

384.716	373.497	2.24475577	0.142944
402.165	390.898	2.23935577	0.143474
419.031	407.519	2.23345577	0.143964
434.601	422.921	2.22705577	0.144414
448.793	437.146	2.22025577	0.144764
462.278	450.581	2.21295577	0.145134
475.176	463.265	2.20535577	0.145344
487.039	475.021	2.19725577	0.145614
497.98	485.958	2.18885577	0.145764
508.497	496.383	2.18005577	0.145934
518.71	506.44	2.17085577	0.146144
528.516	516.168	2.16135577	0.146304
538.03	525.648	2.15155577	0.146444
547.452	534.965	2.14135577	0.146694
556.82	544.214	2.13095577	0.146864
566.219	553.559	2.12015577	0.147184
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585.728	572.888	2.09785577	0.147824
595.854	582.928	2.08635577	0.148194
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786.111	771.969	1.90595577	0.159794
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850.364	835.888	1.85185577	0.163514
865.964	851.41	1.83845577	0.164274
881.179	866.552	1.82515577	0.164934
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969.852	954.761	1.73585577	0.166094
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775.516	761.325	1.55065577	-0.08904
765.342	751.224	1.55565577	-0.09376
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728.799	714.972	1.57475577	-0.11191
720.494	706.742	1.57935577	-0.11639
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704.465	690.863	1.58815577	-0.1252
696.594	683.069	1.59235577	-0.12956
688.715	675.266	1.59645577	-0.13395
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626.601	613.719	1.62015577	-0.16475
615.888	603.091	1.62275577	-0.1693
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552.703	540.347	1.63185577	-0.19273
538.136	525.869	1.63285577	-0.19762
522.985	510.809	1.63345577	-0.20249
507.305	495.219	1.63375577	-0.20745
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457.798	445.981	1.63225577	-0.22239
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423.642	412.001	1.62925577	-0.23252
406.534	394.979	1.62705577	-0.23757
389.56	378.089	1.62435577	-0.24258
372.838	361.45	1.62115577	-0.24758
356.489	345.181	1.61745577	-0.25255
340.63	329.4	1.61315577	-0.25743
325.375	314.221	1.60835577	-0.26231
310.834	299.753	1.60295577	-0.26709
297.108	286.097	1.59695577	-0.2718
284.288	273.343	1.59035577	-0.27644
272.454	261.573	1.58315577	-0.28101
261.677	250.855	1.57525577	-0.28542
252.009	241.243	1.56675577	-0.28979

243.491	232.777	1.55755577	-0.29402
236.148	225.482	1.54765577	-0.29811
229.988	219.367	1.53715577	-0.30218
225.006	214.425	1.52595577	-0.30613
221.179	210.634	1.51395577	-0.30987
218.472	207.957	1.50135577	-0.3136
216.833	206.346	1.48805577	-0.31724
216.203	205.738	1.47405577	-0.32079
216.508	206.062	1.45945577	-0.32436
217.67	207.237	1.44405577	-0.32775
219.603	209.179	1.42795577	-0.33106
222.217	211.798	1.41115577	-0.33431
225.425	215.005	1.39375577	-0.33759
229.137	218.713	1.37565577	-0.34081
233.272	222.839	1.35685577	-0.34396
237.753	227.305	1.33745577	-0.34715
242.512	232.046	1.31735577	-0.35027
247.49	237.002	1.29665577	-0.35343
252.636	242.124	1.27525577	-0.35651
257.91	247.368	1.25325577	-0.35962
263.284	252.707	1.23065577	-0.36274
268.748	258.132	1.20735577	-0.36577
274.31	263.649	1.18355577	-0.36889
279.991	269.28	1.15905577	-0.3719
285.828	275.063	1.13405577	-0.37497
291.871	281.048	1.10845577	-0.378
298.181	287.295	1.08235577	-0.38107
304.828	293.874	1.05565577	-0.38405
311.886	300.861	1.02835577	-0.38693
319.435	308.334	1.00055577	-0.38979
327.554	316.374	0.97225577	-0.3926
336.323	325.06	0.94345577	-0.39534
345.816	334.465	0.91415577	-0.398
356.102	344.659	0.88435577	-0.40054
367.239	355.702	0.85405577	-0.40295
379.28	367.644	0.82335577	-0.4053
392.262	380.524	0.79215577	-0.40746
406.212	394.369	0.76055577	-0.40952
421.145	409.192	0.72855577	-0.41144
437.059	424.994	0.69615577	-0.4132
453.942	441.762	0.66345577	-0.41489
471.768	459.47	0.63035577	-0.41637
490.496	478.077	0.59695577	-0.41772
510.075	497.534	0.56325577	-0.41892
530.444	517.777	0.52935577	-0.42005
551.529	538.735	0.49515577	-0.42099
573.25	560.327	0.46075577	-0.42181
595.516	582.464	0.42615577	-0.42249
618.233	605.05	0.39135577	-0.423
641.3	627.985	0.35645577	-0.42344
664.612	651.165	0.32145577	-0.42377
688.064	674.484	0.28645577	-0.42408
711.546	697.834	0.25125577	-0.42415
734.952	721.108	0.21615577	-0.42425
758.175	744.2	0.18095577	-0.42417

781.111	767.007	0.14585577	-0.42408
803.661	789.428	0.11085577	-0.42397
825.729	811.368	0.07585577	-0.42371
847.224	832.738	0.04095577	-0.42339
868.064	853.454	0.00625577	-0.42309
888.171	873.439	-0.02834423	-0.42268
907.476	892.625	-0.06274423	-0.42225
925.919	910.949	-0.09684423	-0.42188
943.445	928.361	-0.13084423	-0.42135
960.012	944.815	-0.16454423	-0.42084
975.586	960.281	-0.19804423	-0.42022
990.153	974.749	-0.23114423	-0.41969
1003.73	988.23	-0.26404423	-0.41903
1016.34	1000.76	-0.29664423	-0.4183
1028.05	1012.39	-0.32884423	-0.4176
1038.93	1023.19	-0.36074423	-0.41681
1049.06	1033.24	-0.39234423	-0.41591
1058.53	1042.65	-0.42354423	-0.41499
1067.44	1051.5	-0.45434423	-0.41402
1075.9	1059.88	-0.48484423	-0.41288
1083.98	1067.91	-0.51484423	-0.41178
1091.8	1075.66	-0.54454423	-0.41048
1099.41	1083.21	-0.57374423	-0.40918
1106.92	1090.66	-0.60254423	-0.40776
1114.37	1098.05	-0.63094423	-0.40621
1121.84	1105.46	-0.65884423	-0.40462
1129.36	1112.92	-0.68634423	-0.40287
1136.97	1120.48	-0.71344423	-0.40095
1144.71	1128.16	-0.74004423	-0.39897
1152.6	1135.99	-0.76614423	-0.3969
1160.64	1143.98	-0.79184423	-0.39464
1168.83	1152.12	-0.81694423	-0.39239
1177.17	1160.41	-0.84164423	-0.38993
1185.65	1168.84	-0.86584423	-0.38736
1194.24	1177.38	-0.88954423	-0.38468
1202.92	1186.01	-0.91264423	-0.38198
1211.65	1194.69	-0.93534423	-0.37907
1220.4	1203.39	-0.95744423	-0.37613
1229.11	1212.06	-0.97894423	-0.37317
1237.76	1220.66	-1.00004423	-0.36998
1246.28	1229.14	-1.02044423	-0.36686
1254.63	1237.45	-1.04034423	-0.36361
1262.75	1245.54	-1.05964423	-0.36034
1270.6	1253.35	-1.07834423	-0.35704
1278.13	1260.85	-1.09654423	-0.35362
1285.3	1267.97	-1.11404423	-0.35026
1292.05	1274.7	-1.13094423	-0.34688
1298.36	1280.97	-1.14734423	-0.34338
1304.19	1286.77	-1.16304423	-0.33995
1309.51	1292.07	-1.17814423	-0.33651
1314.31	1296.84	-1.19254423	-0.33314
1318.58	1301.08	-1.20634423	-0.32975
1322.3	1304.78	-1.21954423	-0.32635
1325.49	1307.95	-1.23204423	-0.32303
1328.15	1310.59	-1.24394423	-0.31969

1330.31	1312.72	-1.25524423	-0.31634
1331.98	1314.37	-1.26584423	-0.31308
1333.19	1315.58	-1.27584423	-0.3098
1334	1316.37	-1.28514423	-0.30662
1334.42	1316.78	-1.29384423	-0.30342
1334.52	1316.87	-1.30184423	-0.30032
1334.34	1316.68	-1.30914423	-0.29731
1333.93	1316.26	-1.31594423	-0.29418
1333.33	1315.66	-1.32204423	-0.29116
1332.6	1314.92	-1.32744423	-0.28822
1331.77	1314.09	-1.33224423	-0.28528
1330.91	1313.22	-1.33634423	-0.28243
1330.03	1312.35	-1.33984423	-0.27957
1329.19	1311.5	-1.34274423	-0.27671
1328.41	1310.73	-1.34504423	-0.27385
1327.73	1310.05	-1.34664423	-0.27108
1327.17	1309.48	-1.34764423	-0.26831
1326.73	1309.05	-1.34794423	-0.26564
1326.45	1308.77	-1.34774423	-0.26288
1326.31	1308.64	-1.34684423	-0.26021
1326.34	1308.67	-1.34524423	-0.25764
1326.51	1308.84	-1.34314423	-0.25499
1326.82	1309.15	-1.34034423	-0.25244
1327.25	1309.59	-1.33694423	-0.2499
1327.78	1310.12	-1.33294423	-0.24737
1328.37	1310.72	-1.32824423	-0.24496
1329	1311.36	-1.32294423	-0.24257
1329.63	1311.99	-1.31704423	-0.2402
1330.22	1312.58	-1.31054423	-0.23785
1330.71	1313.08	-1.30344423	-0.23554
1331.07	1313.45	-1.29564423	-0.23336
1331.23	1313.63	-1.28724423	-0.23122
1331.16	1313.57	-1.27824423	-0.22912
1330.8	1313.22	-1.26854423	-0.22717
1330.1	1312.53	-1.25834423	-0.22517
1329.01	1311.46	-1.24744423	-0.22333
1327.49	1309.96	-1.23594423	-0.22155
1325.49	1307.99	-1.22384423	-0.21984
1322.99	1305.51	-1.21114423	-0.2182
1319.94	1302.49	-1.19784423	-0.21665
1316.33	1298.9	-1.18394423	-0.21517
1312.12	1294.73	-1.16944423	-0.21379
1307.31	1289.95	-1.15434423	-0.2125
1301.89	1284.56	-1.13864423	-0.21132
1295.85	1278.56	-1.12244423	-0.21015
1289.19	1271.94	-1.10564423	-0.20909
1281.92	1264.72	-1.08824423	-0.20816
1274.07	1256.91	-1.07034423	-0.20725
1265.64	1248.53	-1.05194423	-0.20639
1256.66	1239.6	-1.03294423	-0.20567
1247.16	1230.16	-1.01344423	-0.205
1237.18	1220.24	-0.99354423	-0.20429
1226.75	1209.87	-0.97304423	-0.20375
1215.92	1199.1	-0.95214423	-0.20318
1204.73	1187.96	-0.93074423	-0.20271

1193.22	1176.52	-0.90894423	-0.20223
1181.44	1164.81	-0.88664423	-0.20185
1169.44	1152.87	-0.86404423	-0.20139
1157.27	1140.77	-0.84094423	-0.20105
1144.97	1128.54	-0.81754423	-0.20065
1132.59	1116.23	-0.79374423	-0.2003
1120.18	1103.89	-0.76964423	-0.19991
1107.76	1091.55	-0.74514423	-0.19959
1095.39	1079.25	-0.72034423	-0.19925
1083.09	1067.03	-0.69524423	-0.19891
1070.9	1054.91	-0.66994423	-0.19849
1058.84	1042.93	-0.64424423	-0.19819
1046.93	1031.09	-0.61844423	-0.19772
1035.19	1019.42	-0.59224423	-0.19742
1023.62	1007.92	-0.56594423	-0.19698
1012.23	996.612	-0.53934423	-0.19663
1001.03	985.483	-0.51264423	-0.19619
990.004	974.533	-0.48574423	-0.19576
979.15	963.753	-0.45864423	-0.19537
968.454	953.13	-0.43144423	-0.19493
957.899	942.649	-0.40404423	-0.19457
947.466	932.29	-0.37654423	-0.1942
937.131	922.03	-0.34894423	-0.19383
926.871	911.844	-0.32124423	-0.19349
916.658	901.706	-0.29354423	-0.19309
906.465	891.588	-0.26564423	-0.19285
896.263	881.462	-0.23774423	-0.1926
886.026	871.3	-0.20984423	-0.19233
875.725	861.075	-0.18184423	-0.19219
865.336	850.762	-0.15384423	-0.19207
854.836	840.338	-0.12584423	-0.192
844.203	829.782	-0.09784423	-0.19199
833.422	819.078	-0.06984423	-0.19206
822.48	808.213	-0.04194423	-0.19213
811.368	797.178	-0.01404423	-0.19231
800.083	785.97	0.01385577	-0.19261
788.627	774.591	0.04155577	-0.19285
777.006	763.046	0.06925577	-0.19324
765.233	751.35	0.09685577	-0.19369
753.326	739.519	0.12435577	-0.19422
741.309	727.578	0.15175577	-0.19483
729.211	715.554	0.17895577	-0.19544
717.065	703.482	0.20595577	-0.19605
704.911	691.4	0.23285577	-0.19679
692.79	679.351	0.25955577	-0.19754
680.749	667.38	0.28605577	-0.19833
668.836	655.536	0.31235577	-0.19916
657.104	643.871	0.33845577	-0.20003
645.604	632.436	0.36425577	-0.20086
634.391	621.285	0.38985577	-0.20175
623.515	610.471	0.41525577	-0.2027
613.03	600.044	0.44025577	-0.20353
602.984	590.054	0.46505577	-0.20443
593.425	580.548	0.48955577	-0.20531
584.394	571.568	0.51365577	-0.20607

575.929	563.152	0.53755577	-0.20693
568.064	555.333	0.56105577	-0.20768
560.826	548.137	0.58425577	-0.20844
554.235	541.586	0.60715577	-0.20919
548.304	535.692	0.62965577	-0.20986
543.041	530.463	0.65175577	-0.21044
538.444	525.897	0.67355577	-0.21104
534.505	521.987	0.69495577	-0.21156
531.208	518.717	0.71605577	-0.21211
528.532	516.064	0.73665577	-0.2125
526.446	514	0.75695577	-0.21292
524.917	512.488	0.77695577	-0.21338
523.901	511.49	0.79645577	-0.2137
523.355	510.957	0.81565577	-0.21407
523.227	510.842	0.83445577	-0.2144
523.465	511.09	0.85285577	-0.21469
524.014	511.647	0.87095577	-0.21505
524.816	512.457	0.88855577	-0.21529
525.817	513.462	0.90585577	-0.21561
526.958	514.608	0.92285577	-0.21601
528.188	515.841	0.93935577	-0.2163
529.454	517.109	0.95555577	-0.21668
530.709	518.365	0.97145577	-0.21716
531.911	519.566	0.98685577	-0.21754
533.021	520.676	1.00205577	-0.21813
534.009	521.662	1.01675577	-0.21861
534.849	522.5	1.03115577	-0.21921
535.524	523.172	1.04525577	-0.21991
536.021	523.666	1.05895577	-0.22063
536.326	523.975	1.07225577	-0.22135
536.424	524.077	1.08535577	-0.22229
536.3	523.954	1.09795577	-0.22315
535.945	523.6	1.11025577	-0.22412
535.369	523.022	1.12225577	-0.22521
534.586	522.238	1.13385577	-0.22631
533.624	521.272	1.14515577	-0.22753
532.518	520.162	1.15605577	-0.22876
531.313	518.951	1.16665577	-0.2301
530.056	517.688	1.17685577	-0.23145
528.803	516.427	1.18675577	-0.23289
527.611	515.226	1.19625577	-0.23432
526.538	514.142	1.20545577	-0.23585
525.642	513.236	1.21425577	-0.23735
524.982	512.562	1.22275577	-0.23893
524.611	512.177	1.23085577	-0.24047
524.55	512.109	1.23865577	-0.24208
524.935	512.468	1.24605577	-0.24363
525.714	513.229	1.25305577	-0.24513
526.951	514.445	1.25985577	-0.24676
528.669	516.141	1.26615577	-0.24822
530.887	518.334	1.27215577	-0.24969
533.613	521.034	1.27785577	-0.25118
536.849	524.241	1.28325577	-0.25267
540.586	527.949	1.28815577	-0.25396
544.81	532.141	1.29285577	-0.25534

549.499	536.796	1.29725577	-0.2567
554.622	541.884	1.30125577	-0.25794
560.146	547.371	1.30495577	-0.25915
566.029	553.216	1.30835577	-0.26032
572.226	559.374	1.31145577	-0.26145
578.69	565.797	1.31425577	-0.26252
585.369	572.434	1.31685577	-0.26365
592.212	579.234	1.31905577	-0.26461
599.167	586.145	1.32105577	-0.26561
606.182	593.116	1.32285577	-0.26663
613.209	600.097	1.32425577	-0.26748
620.199	607.042	1.32555577	-0.26844
627.109	613.907	1.32655577	-0.26932
633.901	620.653	1.32735577	-0.2702
640.54	627.245	1.32785577	-0.27098
646.996	633.655	1.32825577	-0.27185
653.246	639.859	1.32835577	-0.27261
659.271	645.839	1.32835577	-0.27345
665.059	651.581	1.32805577	-0.27417
670.603	657.081	1.32765577	-0.27495
675.906	662.342	1.32705577	-0.2757
680.984	667.38	1.32625577	-0.2764
685.861	672.219	1.32535577	-0.27715
690.572	676.895	1.32425577	-0.27784
695.162	681.451	1.32305577	-0.27857
699.681	685.936	1.32165577	-0.27922
704.183	690.406	1.32015577	-0.2799
708.725	694.917	1.31855577	-0.28059
713.363	699.524	1.31675577	-0.28119
718.151	704.282	1.31485577	-0.28179
723.14	709.24	1.31285577	-0.28238
728.374	714.442	1.31075577	-0.28297
733.89	719.927	1.30855577	-0.28354
739.716	725.721	1.30635577	-0.28418
745.873	731.844	1.30395577	-0.2847
752.369	738.307	1.30155577	-0.28529
759.205	745.11	1.29895577	-0.28574
766.372	752.242	1.29645577	-0.28634
773.85	759.685	1.29385577	-0.2869
781.611	767.411	1.29115577	-0.28741
789.62	775.385	1.28845577	-0.28797
797.834	783.563	1.28575577	-0.28857
806.202	791.897	1.28305577	-0.28921
814.672	800.332	1.28035577	-0.28989
823.184	808.81	1.27765577	-0.2906
831.677	817.269	1.27495577	-0.29134
840.09	825.649	1.27235577	-0.2922
848.358	833.886	1.26975577	-0.2931
856.422	841.919	1.26715577	-0.29401
864.22	849.687	1.26475577	-0.29515
871.696	857.134	1.26225577	-0.2962
878.797	864.208	1.25995577	-0.29746
885.475	870.861	1.25775577	-0.29884
891.689	877.05	1.25555577	-0.30022
897.402	882.74	1.25355577	-0.3018

902.586	887.902	1.25165577	-0.30349
907.219	892.514	1.24975577	-0.30516
911.286	896.562	1.24805577	-0.30704
914.782	900.04	1.24655577	-0.3091
917.706	902.949	1.24515577	-0.31124
920.069	905.297	1.24385577	-0.31346
921.887	907.101	1.24265577	-0.31575
923.181	908.384	1.24165577	-0.31822
923.983	909.174	1.24085577	-0.32085
924.339	909.517	1.24015577	-0.32354
924.254	909.427	1.23955577	-0.32628
923.81	908.975	1.23915577	-0.32917
923.044	908.203	1.23885577	-0.33211
922.009	907.162	1.23865577	-0.33509
920.759	905.906	1.23865577	-0.3382
919.348	904.491	1.23885577	-0.34144
917.833	902.972	1.23905577	-0.3446
916.269	901.404	1.23955577	-0.34799
914.707	899.84	1.24005577	-0.35129
913.2	898.33	1.24075577	-0.3547
911.794	896.921	1.24155577	-0.35812
910.532	895.657	1.24245577	-0.36154
909.452	894.575	1.24355577	-0.36507
908.586	893.707	1.24465577	-0.36849
907.962	893.081	1.24605577	-0.3721
907.601	892.718	1.24745577	-0.37561
907.514	892.629	1.24895577	-0.37911
907.711	892.824	1.25065577	-0.38269
908.191	893.302	1.25245577	-0.38627
908.947	894.056	1.25435577	-0.38983
909.967	895.074	1.25635577	-0.39337
911.231	896.337	1.25855577	-0.397
912.716	897.82	1.26085577	-0.40062
914.39	899.493	1.26325577	-0.40422
916.219	901.321	1.26575577	-0.4078
918.165	903.266	1.26845577	-0.41148
920.187	905.288	1.27125577	-0.41514
922.241	907.342	1.27415577	-0.41879
924.281	909.382	1.27715577	-0.42243
926.258	911.36	1.28045577	-0.42626
928.125	913.227	1.28375577	-0.42999
929.832	914.936	1.28725577	-0.43382
931.331	916.436	1.29085577	-0.43764
932.576	917.684	1.29465577	-0.44156
933.523	918.634	1.29855577	-0.44549
934.133	919.248	1.30265577	-0.44952
934.37	919.491	1.30685577	-0.45356
934.206	919.333	1.31125577	-0.45771
933.615	918.75	1.31575577	-0.46187
932.581	917.725	1.32035577	-0.46604
931.091	916.245	1.32515577	-0.47033
929.143	914.308	1.33015577	-0.47473
926.739	911.917	1.33525577	-0.47915
923.888	909.08	1.34045577	-0.4836
920.607	905.815	1.34575577	-0.48806

916.92	902.143	1.35125577	-0.49266
912.853	898.094	1.35685577	-0.49727
908.442	893.702	1.36255577	-0.50192
903.724	889.004	1.36845577	-0.50669
898.743	884.043	1.37435577	-0.51139
893.543	878.865	1.38035577	-0.51612
888.173	873.517	1.38645577	-0.52089
882.681	868.048	1.39275577	-0.52579
877.117	862.507	1.39905577	-0.53063
871.529	856.943	1.40535577	-0.53541
865.965	851.404	1.41175577	-0.54023
860.471	845.934	1.41825577	-0.54509
855.088	840.576	1.42485577	-0.54999
849.854	835.367	1.43135577	-0.55474
844.803	830.342	1.43805577	-0.55964
839.965	825.529	1.44465577	-0.5644
835.362	820.951	1.45135577	-0.56921
831.011	816.625	1.45805577	-0.57397
826.925	812.563	1.46475577	-0.57871
823.107	808.77	1.47145577	-0.5834
819.557	805.245	1.47825577	-0.58817
816.268	801.981	1.48495577	-0.59281
813.227	798.964	1.49165577	-0.59743
810.416	796.176	1.49835577	-0.60204
807.811	793.595	1.50515577	-0.60673
805.384	791.192	1.51175577	-0.61122
803.104	788.936	1.51845577	-0.61581
800.936	786.792	1.52515577	-0.62041
798.843	784.723	1.53175577	-0.62491
796.787	782.692	1.53835577	-0.62943
794.729	780.657	1.54495577	-0.63398
792.629	778.582	1.55155577	-0.63855
790.448	776.427	1.55805577	-0.64305
788.152	774.155	1.56455577	-0.6476
785.704	771.733	1.57105577	-0.65219
783.075	769.13	1.57745577	-0.65674
780.237	766.318	1.58385577	-0.66134
777.166	763.275	1.59015577	-0.6659
773.845	759.98	1.59645577	-0.67053
770.259	756.422	1.60265577	-0.67514
766.4	752.592	1.60885577	-0.67983
762.266	748.487	1.61495577	-0.6845
757.86	744.11	1.62095577	-0.68916
753.188	739.468	1.62695577	-0.69391
748.264	734.574	1.63285577	-0.69866
743.106	729.447	1.63865577	-0.70342
737.737	724.108	1.64435577	-0.70818
732.182	718.584	1.64995577	-0.71295
726.471	712.905	1.65545577	-0.71774
720.638	707.103	1.66095577	-0.72265
714.717	701.214	1.66615577	-0.72738
708.744	695.273	1.67135577	-0.73223
702.758	689.318	1.67645577	-0.73712
696.796	683.387	1.68135577	-0.74194
690.895	677.516	1.68615577	-0.74679

685.09	671.741	1.69075577	-0.75158
679.415	666.096	1.69525577	-0.75642
673.902	660.613	1.69955577	-0.7612
668.579	655.318	1.70365577	-0.76593
663.471	650.239	1.70765577	-0.77071
658.598	645.394	1.71145577	-0.77545
653.978	640.8	1.71505577	-0.78014
649.623	636.471	1.71845577	-0.7848
645.539	632.413	1.72165577	-0.78942
641.731	628.629	1.72475577	-0.79411
638.197	625.119	1.72755577	-0.79867
634.932	621.876	1.73015577	-0.8032
631.925	618.891	1.73255577	-0.80772
629.163	616.15	1.73475577	-0.81221
626.629	613.637	1.73665577	-0.81659
624.304	611.331	1.73845577	-0.82106
622.165	609.211	1.73995577	-0.82542
620.189	607.254	1.74125577	-0.82977
618.352	605.433	1.74235577	-0.83412
616.627	603.725	1.74315577	-0.83837
614.989	602.104	1.74375577	-0.84262
613.414	600.544	1.74415577	-0.84687
611.878	599.023	1.74435577	-0.85114
610.36	597.519	1.74425577	-0.85531
608.84	596.012	1.74395577	-0.8595
607.3	594.486	1.74335577	-0.8636
605.728	592.927	1.74255577	-0.86771
604.112	591.323	1.74155577	-0.87184
602.445	589.667	1.74025577	-0.87589
600.724	587.957	1.73875577	-0.87996
598.947	586.191	1.73695577	-0.88394
597.119	584.372	1.73495577	-0.88794
595.245	582.508	1.73275577	-0.89196
593.336	580.608	1.73025577	-0.8959
591.404	578.684	1.72745577	-0.89975
589.464	576.751	1.72445577	-0.90362
587.533	574.827	1.72115577	-0.90741
585.63	572.93	1.71765577	-0.9112
583.775	571.08	1.71385577	-0.91491
581.99	569.299	1.70985577	-0.91862
580.294	567.607	1.70555577	-0.92224
578.71	566.025	1.70095577	-0.92576
577.257	564.574	1.69615577	-0.92928
575.954	563.272	1.69105577	-0.9327
574.82	562.138	1.68565577	-0.93601
573.869	561.187	1.68005577	-0.93931
573.117	560.432	1.67415577	-0.94249
572.574	559.886	1.66805577	-0.94566
572.248	559.557	1.66165577	-0.9487
572.147	559.45	1.65495577	-0.95162
572.273	559.57	1.64795577	-0.9544
572.627	559.918	1.64075577	-0.95715
573.206	560.49	1.63325577	-0.95976
573.993	561.275	1.62545577	-0.96222
574.973	562.247	1.61745577	-0.96462

576.124	563.39	1.60915577	-0.96685
577.436	564.689	1.60065577	-0.96901
578.9	566.139	1.59185577	-0.97098
580.514	567.736	1.58285577	-0.97285
582.28	569.483	1.57355577	-0.97452
584.201	571.384	1.56395577	-0.97597
586.287	573.447	1.55415577	-0.97731
588.545	575.682	1.54415577	-0.9785
590.989	578.1	1.53385577	-0.97946
593.629	580.714	1.52335577	-0.98027
596.479	583.534	1.51255577	-0.98082
599.549	586.575	1.50155577	-0.9812
602.851	589.845	1.49035577	-0.98141
606.394	593.356	1.47895577	-0.98144
610.186	597.114	1.46735577	-0.98127
614.233	601.125	1.45545577	-0.98081
618.537	605.393	1.44335577	-0.98014
623.099	609.917	1.43115577	-0.97936
627.916	614.695	1.41865577	-0.97826
632.982	619.721	1.40605577	-0.97704
638.288	624.986	1.39325577	-0.97559
643.824	630.48	1.38025577	-0.97391
649.573	636.186	1.36705577	-0.97199
655.52	642.089	1.35365577	-0.96982
661.644	648.168	1.34025577	-0.9676
667.923	654.402	1.32655577	-0.96503
674.334	660.767	1.31285577	-0.96241
680.85	667.238	1.29895577	-0.95953
687.446	673.787	1.28485577	-0.95638
694.094	680.388	1.27075577	-0.95317
700.766	687.013	1.25645577	-0.94969
707.434	693.634	1.24215577	-0.94615
714.07	700.222	1.22765577	-0.94233
720.645	706.751	1.21315577	-0.93844
727.135	713.193	1.19855577	-0.93438
733.512	719.524	1.18395577	-0.93025
739.754	725.719	1.16915577	-0.92583
745.837	731.756	1.15445577	-0.92145
751.74	737.614	1.13955577	-0.91678
757.444	743.274	1.12475577	-0.91214
762.933	748.718	1.10985577	-0.90733
768.19	753.932	1.09485577	-0.90233
773.203	758.901	1.07995577	-0.89736
777.958	763.615	1.06495577	-0.89221
782.447	768.062	1.05005577	-0.88708
786.662	772.239	1.03505577	-0.88178
790.606	776.149	1.02005577	-0.8764
794.294	779.805	1.00515577	-0.87105
797.749	783.232	0.99015577	-0.86551
801.002	786.461	0.97525577	-0.86001
804.094	789.53	0.96035577	-0.85442
807.068	792.484	0.94545577	-0.84876
809.972	795.37	0.93055577	-0.84302
812.854	798.235	0.91575577	-0.83731
815.761	801.126	0.90095577	-0.83153

818.738	804.087	0.88615577	-0.82567
821.823	807.157	0.87145577	-0.81983
825.049	810.369	0.85685577	-0.81403
828.443	813.748	0.84225577	-0.80815
832.021	817.312	0.82765577	-0.8022
835.794	821.07	0.81325577	-0.79638
839.762	825.023	0.79885577	-0.7905
843.917	829.164	0.78455577	-0.78464
848.245	833.477	0.77025577	-0.77872
852.722	837.94	0.75615577	-0.77294
857.321	842.523	0.74205577	-0.7671
862.005	847.193	0.72805577	-0.76129
866.737	851.911	0.71425577	-0.75563
871.473	856.633	0.70045577	-0.74991
876.169	861.316	0.68685577	-0.74434
880.777	865.912	0.67335577	-0.73881
885.252	870.376	0.65995577	-0.73333
889.549	874.662	0.64675577	-0.72799
893.622	878.725	0.63365577	-0.72271
897.432	882.526	0.62065577	-0.71747
900.94	886.026	0.60785577	-0.71239
904.114	889.193	0.59515577	-0.70735
906.925	891.999	0.58265577	-0.70246
909.351	894.42	0.57025577	-0.69762
911.376	896.441	0.55805577	-0.69292
912.989	898.052	0.54605577	-0.68837
914.187	899.248	0.53415577	-0.68387
914.973	900.033	0.52245577	-0.6795
915.357	900.416	0.51095577	-0.67527
915.403	900.462	0.49955577	-0.67107
914.987	900.048	0.48835577	-0.667
914.283	899.346	0.47735577	-0.66306
913.274	898.34	0.46645577	-0.65914
912	897.068	0.45575577	-0.65534
910.499	895.57	0.44525577	-0.65165
908.816	893.89	0.43485577	-0.64798
906.996	892.074	0.42465577	-0.6444
905.087	890.169	0.41465577	-0.64092
903.136	888.221	0.40475577	-0.63744
901.189	886.278	0.39505577	-0.63405
899.292	884.384	0.38545577	-0.63064
897.488	882.582	0.37605577	-0.62731
895.817	880.913	0.36675577	-0.62396
894.314	879.412	0.35755577	-0.62057
893.012	878.111	0.34855577	-0.61726
891.939	877.038	0.33975577	-0.61401
891.115	876.214	0.33095577	-0.61061
890.558	875.657	0.32245577	-0.60737
890.278	875.376	0.31395577	-0.60399
890.244	875.341	0.30565577	-0.60066
890.565	875.658	0.29745577	-0.59727
891.123	876.214	0.28945577	-0.59394
891.945	877.032	0.28155577	-0.59054
893.013	878.096	0.27375577	-0.58709
894.305	879.384	0.26615577	-0.58369

895.796	880.871	0.25865577	-0.58022
897.457	882.527	0.25125577	-0.5767
899.254	884.32	0.24405577	-0.57322
901.154	886.214	0.23695577	-0.56969
903.12	888.175	0.23005577	-0.56619
905.114	890.165	0.22325577	-0.56264
907.1	892.147	0.21665577	-0.55914
909.041	894.083	0.21015577	-0.55558
910.902	895.94	0.20385577	-0.55207
912.651	897.686	0.19765577	-0.54851
914.258	899.29	0.19165577	-0.545
915.699	900.727	0.18575577	-0.54144
916.951	901.977	0.18005577	-0.53794
917.997	903.02	0.17455577	-0.53449
918.823	903.845	0.16915577	-0.53101
919.42	904.441	0.16395577	-0.52759
919.782	904.803	0.15885577	-0.52414
919.907	904.929	0.15395577	-0.52075
919.797	904.82	0.14925577	-0.51744
919.454	904.48	0.14475577	-0.51421
918.887	903.916	0.14035577	-0.51095
918.102	903.136	0.13605577	-0.50767
917.109	902.149	0.13195577	-0.50448
915.918	900.966	0.12805577	-0.50137
914.542	899.598	0.12435577	-0.49835
912.99	898.055	0.12075577	-0.49533
911.274	896.35	0.11725577	-0.4923
909.405	894.492	0.11395577	-0.48937
907.392	892.493	0.11085577	-0.48654
905.246	890.36	0.10775577	-0.48361
902.974	888.102	0.10495577	-0.48089
900.584	885.728	0.10225577	-0.47818
898.083	883.244	0.09965577	-0.47547
895.477	880.655	0.09715577	-0.47278
892.772	877.968	0.09485577	-0.47021
889.971	875.186	0.09265577	-0.46766
887.079	872.313	0.09065577	-0.46523
884.098	869.353	0.08865577	-0.46272
881.033	866.308	0.08685577	-0.46034
877.886	863.182	0.08515577	-0.45798
874.66	859.978	0.08355577	-0.45566
871.357	856.697	0.08205577	-0.45338
867.98	853.342	0.08065577	-0.45113
864.533	849.918	0.07935577	-0.44893
861.018	846.426	0.07815577	-0.44676
857.44	842.871	0.07705577	-0.44465
853.802	839.257	0.07605577	-0.44258
850.108	835.587	0.07515577	-0.44057
846.364	831.867	0.07425577	-0.43852
842.574	828.101	0.07345577	-0.43653
838.743	824.295	0.07275577	-0.4346
834.878	820.454	0.07205577	-0.43264
830.983	816.584	0.07145577	-0.43075
827.063	812.69	0.07085577	-0.42884
823.125	808.777	0.07035577	-0.42701

819.173	804.851	0.06985577	-0.42516
815.212	800.915	0.06945577	-0.4234
811.246	796.976	0.06905577	-0.42163
807.279	793.034	0.06865577	-0.41986
803.313	789.095	0.06835577	-0.4182
799.351	785.16	0.06805577	-0.41654
795.393	781.229	0.06775577	-0.41489
791.44	777.303	0.06745577	-0.41326
787.491	773.382	0.06715577	-0.41165
783.543	769.463	0.06685577	-0.41007
779.595	765.543	0.06655577	-0.40853
775.642	761.618	0.06625577	-0.40702
771.679	757.685	0.06595577	-0.40556
767.7	753.736	0.06555577	-0.40404
763.699	749.766	0.06525577	-0.40269
759.67	745.766	0.06485577	-0.40129
755.606	741.731	0.06445577	-0.39997
751.501	737.655	0.06395577	-0.39861
747.354	733.536	0.06345577	-0.39734
743.163	729.372	0.06295577	-0.39615
738.928	725.164	0.06235577	-0.39495
734.653	720.915	0.06165577	-0.39375
730.342	716.629	0.06095577	-0.39264
725.999	712.312	0.06025577	-0.39165
721.632	707.97	0.05935577	-0.39057
717.246	703.609	0.05845577	-0.3896
712.849	699.238	0.05745577	-0.38865
708.447	694.861	0.05635577	-0.38773
704.046	690.484	0.05525577	-0.38695
699.65	686.113	0.05395577	-0.38609
695.263	681.752	0.05255577	-0.38528
690.888	677.403	0.05105577	-0.38451
686.527	673.068	0.04945577	-0.38379
682.18	668.747	0.04775577	-0.38312
677.848	664.441	0.04595577	-0.38251
673.529	660.148	0.04395577	-0.38186
669.221	655.867	0.04195577	-0.38137
664.924	651.595	0.03965577	-0.38076
660.634	647.332	0.03735577	-0.38031
656.352	643.076	0.03475577	-0.37974
652.076	638.825	0.03215577	-0.37935
647.806	634.58	0.02935577	-0.37895
643.542	630.342	0.02635577	-0.37853
639.288	626.112	0.02315577	-0.3781
635.045	621.894	0.01985577	-0.37777
630.82	617.693	0.01635577	-0.37743
626.617	613.513	0.01265577	-0.37709
622.444	609.363	0.00875577	-0.37675
618.309	605.251	0.00475577	-0.37652
614.223	601.187	0.00045577	-0.3762
610.196	597.181	-0.00394423	-0.37599
606.239	593.245	-0.00864423	-0.3757
602.365	589.39	-0.01344423	-0.37552
598.584	585.629	-0.01854423	-0.37526
594.911	581.974	-0.02384423	-0.37503

591.356	578.437	-0.02934423	-0.37482
587.93	575.028	-0.03504423	-0.37463
584.643	571.758	-0.04104423	-0.37438
581.505	568.636	-0.04724423	-0.37416
578.523	565.669	-0.05364423	-0.37397
575.702	562.862	-0.06024423	-0.37382
573.046	560.22	-0.06714423	-0.37361
570.557	557.744	-0.07434423	-0.37335
568.235	555.434	-0.08174423	-0.37313
566.075	553.286	-0.08934423	-0.37295
564.074	551.297	-0.09724423	-0.37273
562.225	549.458	-0.10534423	-0.37256
560.518	547.762	-0.11374423	-0.37235
558.941	546.195	-0.12234423	-0.3722
557.484	544.747	-0.13124423	-0.37201
556.13	543.404	-0.14044423	-0.37178
554.867	542.149	-0.14984423	-0.37163
553.677	540.968	-0.15944423	-0.37155
552.544	539.844	-0.16944423	-0.37135
551.453	538.762	-0.17954423	-0.37133
550.384	537.703	-0.19004423	-0.3712
549.318	536.648	-0.20074423	-0.37115
548.234	535.576	-0.21174423	-0.3711
547.108	534.462	-0.22294423	-0.37115
545.915	533.283	-0.23444423	-0.3712
544.628	532.012	-0.24624423	-0.37126
543.221	530.622	-0.25824423	-0.37143
541.664	529.084	-0.27054423	-0.37162
539.93	527.371	-0.28304423	-0.37192
537.991	525.454	-0.29594423	-0.37215
535.82	523.307	-0.30894423	-0.3726
533.391	520.905	-0.32234423	-0.37299
530.683	518.225	-0.33604423	-0.3734
527.676	515.248	-0.34994423	-0.37396
524.354	511.958	-0.36414423	-0.37455
520.706	508.343	-0.37854423	-0.37528
516.727	504.399	-0.39334423	-0.37595
512.417	500.125	-0.40834423	-0.37676
507.782	495.527	-0.42374423	-0.37752
502.836	490.618	-0.43934423	-0.37843
497.6	485.42	-0.45524423	-0.37938
492.101	479.959	-0.47144423	-0.38037
486.374	474.27	-0.48804423	-0.38131
480.462	468.395	-0.50484423	-0.38238
474.416	462.384	-0.52204423	-0.3834
468.292	456.294	-0.53954423	-0.38445
462.152	450.186	-0.55744423	-0.38543
456.066	444.129	-0.57564423	-0.38645
450.106	438.195	-0.59414423	-0.38748
444.349	432.461	-0.61304423	-0.38844
438.875	427.006	-0.63224423	-0.38941
433.764	421.91	-0.65184423	-0.39027
429.097	417.253	-0.67174423	-0.39114
424.953	413.114	-0.69214423	-0.3918
421.41	409.571	-0.71284423	-0.39243

418.54	406.696	-0.73384423	-0.39303
416.413	404.558	-0.75534423	-0.3934
415.091	403.219	-0.77714423	-0.39371
414.63	402.735	-0.79944423	-0.39376
415.077	403.154	-0.82204423	-0.39374
416.472	404.514	-0.84504423	-0.39353
418.844	406.846	-0.86834423	-0.39323
422.215	410.171	-0.89204423	-0.39271
426.595	414.498	-0.91624423	-0.39187
431.983	419.828	-0.94064423	-0.39099
438.369	426.151	-0.96544423	-0.38986
445.734	433.447	-0.99064423	-0.38846
454.048	441.687	-1.01614423	-0.38689
463.272	450.832	-1.04204423	-0.38502
473.358	460.834	-1.06814423	-0.38305
484.25	471.638	-1.09464423	-0.38076
495.886	483.181	-1.12134423	-0.37833
508.194	495.393	-1.14834423	-0.37566
521.1	508.199	-1.17564423	-0.37272
534.523	521.518	-1.20314423	-0.36961
548.378	535.266	-1.23094423	-0.36621
562.576	549.354	-1.25894423	-0.3626
577.025	563.69	-1.28704423	-0.35888
591.631	578.181	-1.31544423	-0.35483
606.3	592.73	-1.34394423	-0.35064
620.939	607.246	-1.37264423	-0.3462
635.457	621.636	-1.40144423	-0.34158
649.764	635.812	-1.43034423	-0.33678
663.771	649.683	-1.45934423	-0.33179
677.385	663.157	-1.48844423	-0.32659
690.509	676.143	-1.51754423	-0.32128
703.069	688.582	-1.54674423	-0.31573
715.049	700.453	-1.57604423	-0.30994
726.486	711.799	-1.60534423	-0.30399
737.477	722.712	-1.63464423	-0.29787
748.161	733.329	-1.66394423	-0.29157
758.709	743.818	-1.69324423	-0.28508
769.308	754.362	-1.72244423	-0.27849
780.144	765.145	-1.75164423	-0.27167
791.391	776.338	-1.78074423	-0.26473
803.199	788.091	-1.80984423	-0.25755
815.689	800.523	-1.83874423	-0.25032
828.948	813.719	-1.86764423	-0.24283
843.027	827.733	-1.89634423	-0.23527
857.943	842.58	-1.92494423	-0.22753
873.681	858.247	-1.95334423	-0.21971
890.202	874.695	-1.98154423	-0.2118
907.442	891.86	-2.00954423	-0.20379
925.321	909.662	-2.03724423	-0.19578
943.747	928.011	-2.06484423	-0.18756
962.62	946.805	-2.09204423	-0.17942
981.835	965.941	-2.11904423	-0.17115
1001.29	985.311	-2.14574423	-0.16286
1020.86	1004.81	-2.17204423	-0.15464
1040.47	1024.33	-2.19804423	-0.14637

1059.99	1043.77	-2.22364423	-0.13815
1079.34	1063.04	-2.24884423	-0.12998
1098.42	1082.04	-2.27354423	-0.12195
1117.15	1100.68	-2.29794423	-0.11385
1135.45	1118.9	-2.32174423	-0.10597
1153.26	1136.62	-2.34514423	-0.0981
1170.51	1153.8	-2.36804423	-0.09034
1187.18	1170.38	-2.39034423	-0.08276
1203.23	1186.35	-2.41214423	-0.07526
1218.65	1201.68	-2.43344423	-0.06784
1233.42	1216.37	-2.45404423	-0.06066
1247.55	1230.43	-2.47414423	-0.05354
1261.06	1243.85	-2.49364423	-0.04654
1273.95	1256.67	-2.51244423	-0.03975
1286.28	1268.92	-2.53064423	-0.03307
1298.07	1280.63	-2.54814423	-0.02657
1309.37	1291.85	-2.56504423	-0.02014
1320.22	1302.63	-2.58124423	-0.01387
1330.68	1313.02	-2.59674423	-0.00775
1340.8	1323.06	-2.61154423	-0.00174
1350.62	1332.82	-2.62564423	0.004144
1360.19	1342.32	-2.63904423	0.009944
1369.57	1351.63	-2.65174423	0.015644
1378.77	1360.77	-2.66364423	0.021184
1387.83	1369.78	-2.67484423	0.026674
1396.78	1378.67	-2.68524423	0.032014
1405.63	1387.46	-2.69494423	0.037314
1414.37	1396.15	-2.70384423	0.042504
1423.02	1404.75	-2.71194423	0.047584
1431.56	1413.24	-2.71924423	0.052574
1439.97	1421.61	-2.72574423	0.057464
1448.23	1429.82	-2.73144423	0.062284
1456.31	1437.87	-2.73634423	0.067034
1464.18	1445.69	-2.74034423	0.071624
1471.79	1453.27	-2.74364423	0.076244
1479.1	1460.56	-2.74594423	0.080624
1486.07	1467.5	-2.74754423	0.085064
1492.66	1474.06	-2.74824423	0.089364
1498.8	1480.19	-2.74804423	0.093524
1504.46	1485.83	-2.74694423	0.097554
1509.58	1490.93	-2.74504423	0.101554
1514.11	1495.45	-2.74224423	0.105434
1518	1499.33	-2.73854423	0.109184
1521.21	1502.54	-2.73404423	0.112904
1523.71	1505.03	-2.72854423	0.116404
1525.44	1506.76	-2.72224423	0.119884
1526.38	1507.7	-2.71504423	0.123234
1526.54	1507.87	-2.70684423	0.126354
1525.76	1507.11	-2.69784423	0.129444
1524.16	1505.51	-2.68794423	0.132404
1521.65	1503.03	-2.67714423	0.135234
1518.24	1499.64	-2.66554423	0.138004
1513.92	1495.34	-2.65294423	0.140534
1508.68	1490.14	-2.63954423	0.143014
1502.53	1484.02	-2.62534423	0.145424

1495.5	1477.03	-2.61024423	0.147664
1487.61	1469.18	-2.59424423	0.149724
1478.9	1460.51	-2.57754423	0.151784
1469.4	1451.06	-2.55994423	0.153654
1459.17	1440.88	-2.54154423	0.155414
1448.26	1430.02	-2.52234423	0.157054
1436.73	1418.55	-2.50244423	0.158664
1424.64	1406.51	-2.48174423	0.160124
1412.06	1393.99	-2.46034423	0.161534
1399.04	1381.04	-2.43814423	0.162774
1385.66	1367.72	-2.41534423	0.164024
1371.97	1354.11	-2.39174423	0.165084
1358.06	1340.26	-2.36754423	0.166134
1343.96	1326.23	-2.34274423	0.167154
1329.74	1312.09	-2.31724423	0.168044
1315.47	1297.89	-2.29114423	0.168884
1301.17	1283.68	-2.26454423	0.169754
1286.92	1269.5	-2.23724423	0.170434
1272.73	1255.39	-2.20954423	0.171224
1258.65	1241.39	-2.18124423	0.171894
1244.7	1227.53	-2.15234423	0.172434
1230.92	1213.83	-2.12314423	0.173134
1217.31	1200.3	-2.09334423	0.173664
1203.88	1186.96	-2.06314423	0.174224
1190.65	1173.8	-2.03244423	0.174674
1177.6	1160.84	-2.00134423	0.175114
1164.72	1148.05	-1.96994423	0.175624
1152.02	1135.43	-1.93804423	0.175984
1139.45	1122.95	-1.90584423	0.176384
1127.02	1110.6	-1.87324423	0.176684
1114.68	1098.35	-1.84034423	0.176994
1102.41	1086.17	-1.80714423	0.177274
1090.18	1074.03	-1.77364423	0.177524
1077.95	1061.89	-1.73984423	0.177714
1065.7	1049.73	-1.70584423	0.177924
1053.38	1037.5	-1.67154423	0.178034
1040.96	1025.17	-1.63704423	0.178144
1028.4	1012.71	-1.60224423	0.178114
1015.68	1000.08	-1.56734423	0.178144
1002.76	987.25	-1.53214423	0.177994
989.613	974.197	-1.49694423	0.177964
976.211	960.891	-1.46144423	0.177734
962.533	947.31	-1.42584423	0.177474
948.559	933.434	-1.39014423	0.177184
934.275	919.249	-1.35434423	0.176824
919.668	904.743	-1.31854423	0.176494
904.733	889.91	-1.28254423	0.175964
889.465	874.746	-1.24654423	0.175424
873.868	859.253	-1.21054423	0.174854
857.946	843.437	-1.17454423	0.174234
841.71	827.308	-1.13854423	0.173554
825.173	810.879	-1.10264423	0.172887
808.353	794.168	-1.06664423	0.17202
791.27	777.195	-1.03084423	0.171234
773.949	759.986	-0.99504423	0.170313

756.417	742.566	-0.95944423	0.169438
738.703	724.965	-0.92394423	0.168492
720.839	707.215	-0.88864423	0.167558
702.858	689.348	-0.85344423	0.166519
684.795	671.4	-0.81844423	0.165457
666.685	653.405	-0.78374423	0.164454
648.562	635.399	-0.74914423	0.163294
630.462	617.415	-0.71494423	0.162258
612.419	599.489	-0.68094423	0.161113
594.466	581.652	-0.64724423	0.159991
576.633	563.936	-0.61384423	0.158824
558.951	546.369	-0.58084423	0.157711
541.443	528.978	-0.54824423	0.156636
524.134	511.783	-0.51594423	0.15548
507.042	494.805	-0.48404423	0.154325
490.183	478.059	-0.45254423	0.153155
473.571	461.559	-0.42154423	0.152051
457.216	445.315	-0.39094423	0.150897
441.125	429.334	-0.36084423	0.149774
425.306	413.622	-0.33124423	0.148667
409.762	398.184	-0.30214423	0.147557
394.498	383.024	-0.27364423	0.14653
379.516	368.143	-0.24554423	0.145368
364.819	353.546	-0.21814423	0.144356
350.413	339.237	-0.19124423	0.143278
336.304	325.222	-0.16484423	0.142119
322.5	311.508	-0.13914423	0.141067
309.012	298.108	-0.11414423	0.140105
295.854	285.036	-0.08964423	0.139023
283.047	272.309	-0.06584423	0.138007
270.611	259.95	-0.04274423	0.137047
258.574	247.986	-0.02024423	0.136032
246.968	236.448	0.00155577	0.135051
235.829	225.373	0.02255577	0.134197
225.198	214.802	0.04295577	0.133263
215.122	204.779	0.06255577	0.13244
205.649	195.355	0.08145577	0.131623
196.833	186.582	0.09965577	0.130809
188.731	178.517	0.11705577	0.130092
181.4	171.217	0.13375577	0.129371
174.901	164.743	0.14955577	0.128845
169.295	159.155	0.16465577	0.128312
164.641	154.512	0.17905577	0.127774
160.998	150.874	0.19255577	0.127431
158.422	148.296	0.20535577	0.127088
156.968	146.832	0.21725577	0.126947
156.678	146.534	0.22845577	0.126814
157.629	147.449	0.23885577	0.126796
159.838	149.625	0.24835577	0.126999
163.356	153.101	0.25725577	0.127132
168.217	157.912	0.26525577	0.127506
174.45	164.088	0.27245577	0.128032
182.076	171.649	0.27895577	0.128621
191.108	180.608	0.28465577	0.129388
201.551	190.97	0.28965577	0.130245

213.401	202.732	0.29385577	0.131309
226.643	215.881	0.29745577	0.132395
241.257	230.393	0.30025577	0.133721
257.21	246.239	0.30235577	0.135203
274.463	263.378	0.30385577	0.136761
292.966	281.761	0.30465577	0.138513
312.662	301.331	0.30495577	0.140279
333.486	322.023	0.30455577	0.14228
355.365	343.765	0.30355577	0.144436
378.222	366.479	0.30205577	0.14667
401.97	390.08	0.30005577	0.149003
426.52	414.478	0.29755577	0.151457
451.776	439.577	0.29455577	0.154056
477.639	465.28	0.29115577	0.156721
504.006	491.483	0.28735577	0.159478
530.77	518.08	0.28325577	0.16225
557.82	544.959	0.27875577	0.16516
585.041	572.008	0.27395577	0.168132
612.316	599.107	0.26885577	0.171191
639.521	626.136	0.26355577	0.174261
666.534	652.97	0.25805577	0.177366
693.229	679.489	0.25245577	0.180431
719.493	705.584	0.24655577	0.18368
745.238	731.165	0.24065577	0.186837
770.4	756.172	0.23465577	0.190026
794.941	780.566	0.22865577	0.193172
818.847	804.331	0.22255577	0.196397
842.12	827.471	0.21655577	0.199526
864.775	849.998	0.21045577	0.202781
886.834	871.936	0.20455577	0.205884
908.322	893.306	0.19875577	0.208957
929.26	914.13	0.19305577	0.212021
949.666	934.425	0.18745577	0.215097
969.55	954.2	0.18205577	0.218102
988.917	973.461	0.17685577	0.221056
1007.76	992.204	0.17195577	0.223876
1026.09	1010.42	0.16725577	0.226679
1043.87	1028.11	0.16285577	0.229379
1061.11	1045.25	0.15865577	0.232092
1077.78	1061.84	0.15485577	0.234631
1093.88	1077.85	0.15135577	0.237109
1109.38	1093.27	0.14825577	0.239439
1124.25	1108.06	0.14545577	0.241731
1138.45	1122.19	0.14315577	0.243796
1151.93	1135.61	0.14115577	0.245844
1164.64	1148.26	0.13965577	0.247683
1176.51	1160.07	0.13855577	0.249422
1187.47	1170.98	0.13795577	0.250968
1197.43	1180.9	0.13775577	0.252429
1206.32	1189.75	0.13805577	0.25371
1214.05	1197.46	0.13885577	0.254818
1220.55	1203.93	0.14015577	0.255758
1225.73	1209.09	0.14185577	0.256634
1229.53	1212.88	0.14415577	0.257252
1231.91	1215.25	0.14705577	0.257615

1232.81	1216.16	0.15035577	0.257926
1232.23	1215.58	0.15415577	0.258091
1230.14	1213.51	0.15855577	0.258011
1226.57	1209.95	0.16345577	0.25779
1221.53	1204.94	0.16875577	0.257531
1215.09	1198.52	0.17465577	0.257035
1207.32	1190.78	0.18105577	0.256406
1198.32	1181.81	0.18795577	0.255647
1188.2	1171.72	0.19525577	0.25486
1177.11	1160.66	0.20305577	0.253948
1165.2	1148.79	0.21125577	0.253013
1152.64	1136.27	0.21985577	0.252058
1139.61	1123.28	0.22895577	0.250986
1126.3	1110	0.23845577	0.249899
1112.9	1096.64	0.24825577	0.248899
1099.59	1083.37	0.25845577	0.247888
1086.57	1070.37	0.26905577	0.246868
1074.01	1057.85	0.27985577	0.246039
1062.09	1045.96	0.29105577	0.245203
1050.97	1034.87	0.30255577	0.24446
1040.82	1024.74	0.31435577	0.24381
1031.76	1015.7	0.32635577	0.243352
1023.93	1007.89	0.33865577	0.242986
1017.43	1001.4	0.35125577	0.242708
1012.33	996.323	0.36405577	0.242618
1008.72	992.719	0.37705577	0.242712
1006.63	990.632	0.39035577	0.242886
1006.08	990.081	0.40375577	0.243337
1007.05	991.058	0.41745577	0.243858
1009.54	993.536	0.43145577	0.244446
1013.47	997.459	0.44555577	0.245293
1018.77	1002.75	0.45995577	0.246193
1025.34	1009.31	0.47455577	0.247239
1033.05	1017.01	0.48945577	0.248322
1041.78	1025.71	0.50455577	0.249535
1051.35	1035.26	0.51995577	0.250769
1061.59	1045.48	0.53555577	0.252115
1072.32	1056.19	0.55145577	0.253464
1083.34	1067.2	0.56775577	0.254707
1094.46	1078.3	0.58425577	0.256033
1105.47	1089.29	0.60115577	0.257234
1116.18	1099.98	0.61835577	0.258401
1126.38	1110.16	0.63585577	0.259523
1135.89	1119.65	0.65375577	0.260493
1144.53	1128.28	0.67205577	0.2613
1152.13	1135.87	0.69075577	0.261939
1158.55	1142.29	0.70975577	0.2625
1163.65	1147.38	0.72925577	0.262777
1167.32	1151.06	0.74905577	0.262964
1169.48	1153.22	0.76935577	0.262854
1170.05	1153.8	0.78995577	0.262644
1168.99	1152.75	0.81095577	0.262224
1166.29	1150.07	0.83245577	0.261494
1161.96	1145.75	0.85425577	0.260654
1156.02	1139.83	0.87655577	0.259504

1148.53	1132.37	0.89915577	0.258234
1139.57	1123.44	0.92215577	0.256754
1129.24	1113.15	0.94545577	0.255154
1117.67	1101.61	0.96915577	0.253334
1104.99	1088.97	0.99325577	0.251304
1091.36	1075.39	1.01755577	0.249264
1076.95	1061.03	1.04215577	0.247114
1061.95	1046.07	1.06705577	0.244854
1046.53	1030.7	1.09225577	0.242494
1030.89	1015.11	1.11765577	0.240124
1015.22	999.494	1.14335577	0.237654
999.72	984.042	1.16915577	0.235284
984.565	968.939	1.19515577	0.232924
969.934	954.359	1.22135577	0.230564
955.991	940.466	1.24765577	0.228304
942.885	927.409	1.27405577	0.226154
930.746	915.319	1.30065577	0.224014
919.687	904.307	1.32725577	0.222074
909.795	894.461	1.35395577	0.220234
901.137	885.847	1.38075577	0.218494
893.752	878.505	1.40755577	0.216944
887.656	872.45	1.43445577	0.215484
882.836	867.671	1.46135577	0.214204
879.257	864.131	1.48835577	0.213004
876.857	861.768	1.51525577	0.212064
875.548	860.496	1.54225577	0.211184
875.223	860.206	1.56935577	0.210354
875.752	860.771	1.59635577	0.209754
876.988	862.042	1.62345577	0.209174
878.767	863.856	1.65055577	0.208704
880.913	866.038	1.67765577	0.208324
883.24	868.401	1.70485577	0.207924
885.556	870.754	1.73195577	0.207694
887.665	872.902	1.75915577	0.207404
889.372	874.65	1.78645577	0.207044
890.488	875.809	1.81375577	0.206704
890.828	876.194	1.84105577	0.206354
890.221	875.635	1.86845577	0.205884
888.508	873.973	1.89585577	0.205374
885.548	871.067	1.92325577	0.204804
881.218	866.794	1.95075577	0.204064
875.418	861.055	1.97825577	0.203244
868.071	853.772	2.00575577	0.202304
859.125	844.894	2.03325577	0.201254
848.554	834.395	2.06075577	0.200064
836.359	822.275	2.08825577	0.198724
822.567	808.561	2.11575577	0.197214
807.23	793.307	2.14315577	0.195624
790.428	776.59	2.17055577	0.193844
772.261	758.512	2.19785577	0.191964
752.855	739.197	2.22505577	0.189964
732.351	718.787	2.25205577	0.187934
710.913	697.445	2.27895577	0.185764
688.712	675.343	2.30565577	0.183544
665.937	652.668	2.33215577	0.181264

642.779	629.612	2.35845577	0.178914
619.435	606.371	2.38445577	0.176574
596.104	583.143	2.41025577	0.174154
572.978	560.122	2.43565577	0.171824
550.244	537.492	2.46065577	0.169574
528.079	515.432	2.48545577	0.167204
506.645	494.103	2.50975577	0.164994
486.088	473.65	2.53365577	0.162834
466.536	454.2	2.55705577	0.160814
448.092	435.859	2.58005577	0.158814
430.838	418.706	2.60255577	0.156914
414.831	402.8	2.62455577	0.155104
400.103	388.17	2.64605577	0.153374
386.657	374.822	2.66695577	0.151794
374.473	362.734	2.68735577	0.150254
363.506	351.861	2.70715577	0.148824
353.685	342.134	2.72645577	0.147394
344.919	333.459	2.74505577	0.146134
337.097	325.727	2.76315577	0.144834
330.091	318.81	2.78055577	0.143664
323.759	312.565	2.79745577	0.142394
317.949	306.84	2.81365577	0.141214
312.503	301.478	2.82925577	0.139994
307.26	296.316	2.84425577	0.138724
302.059	291.196	2.85855577	0.137464
296.747	285.962	2.87225577	0.136104
291.179	280.471	2.88525577	0.134724
285.223	274.59	2.89765577	0.133194
278.764	268.204	2.90935577	0.131614
271.707	261.218	2.92045577	0.129854
263.979	253.559	2.93085577	0.128004
255.533	245.179	2.94055577	0.126044
246.347	236.056	2.94965577	0.123874
236.428	226.197	2.95795577	0.121684
225.808	215.634	2.96555577	0.119354
214.549	204.431	2.97245577	0.116894
202.741	192.673	2.97865577	0.114284
190.496	180.476	2.98405577	0.111644
177.952	167.975	2.98865577	0.108954
165.267	155.329	2.99255577	0.106134
152.615	142.712	2.99565577	0.103264
140.185	130.313	2.99795577	0.100374
128.176	118.331	2.99935577	0.097554
116.792	106.968	2.99995577	0.094724
106.237	96.4293	2.99975577	0.091884
96.7104	86.9148	2.99865577	0.089144
88.4019	78.6144	2.99665577	0.086514
81.4876	71.7039	2.99385577	0.083904
76.1244	66.3402	2.99005577	0.081524
72.4463	62.6571	2.98545577	0.079184
70.5605	60.7617	2.97995577	0.076994
70.315	60.5097	2.97355577	0.074964
72.441	62.6092	2.96615577	0.073194
76.2617	66.4062	2.95795577	0.071504
81.9803	72.0965	2.94885577	0.069984

89.5358	79.6191	2.93885577	0.068664
98.8324	88.8787	2.92795577	0.067524
109.743	99.7481	2.91625577	0.066494
122.11	112.072	2.90375577	0.065564
135.755	125.669	2.89035577	0.064834
150.476	140.341	2.87605577	0.064324
166.06	155.873	2.86105577	0.063824
182.282	172.042	2.84535577	0.063344
198.915	188.619	2.82885577	0.062984
215.729	205.377	2.81155577	0.062754
232.503	222.092	2.79365577	0.062454
249.022	238.552	2.77495577	0.062304
265.087	254.556	2.75565577	0.062084
280.516	269.924	2.73575577	0.061834
295.148	284.494	2.71525577	0.061534
308.847	298.132	2.69405577	0.061304
321.503	310.726	2.67235577	0.060964
333.035	322.197	2.65005577	0.060604
343.392	332.492	2.62715577	0.060264
352.551	341.59	2.60375577	0.059834
360.521	349.501	2.57985577	0.059344
367.343	356.264	2.55545577	0.058804
373.084	361.947	2.53055577	0.058224
377.842	366.647	2.50515577	0.057634
381.737	370.486	2.47925577	0.057044
384.911	373.605	2.45285577	0.056474
387.524	376.161	2.42605577	0.055844
389.742	378.325	2.39875577	0.055274
391.742	380.269	2.37095577	0.054774
393.698	382.171	2.34275577	0.054264
395.786	384.202	2.31405577	0.053864
398.172	386.532	2.28495577	0.053494
401.015	389.318	2.25545577	0.053174
404.463	392.708	2.22545577	0.053014
408.647	396.832	2.19495577	0.053024
413.682	401.806	2.16415577	0.053024
419.663	407.724	2.13285577	0.053234
426.665	414.66	2.10115577	0.053554
434.741	422.669	2.06905577	0.054004
443.92	431.779	2.03665577	0.054494
454.212	441.999	2.00385577	0.055124
465.6	453.313	1.97065577	0.055914
478.048	465.685	1.93705577	0.056864
491.499	479.058	1.90325577	0.057784
505.875	493.355	1.86905577	0.058874
521.084	508.482	1.83455577	0.060054
537.017	524.331	1.79985577	0.061204
553.553	540.782	1.76485577	0.062444
570.562	557.706	1.72965577	0.063674
587.909	574.966	1.69415577	0.064994
605.452	592.422	1.65855577	0.066214
623.05	609.934	1.62275577	0.067434
640.565	627.362	1.58685577	0.068544
657.859	644.57	1.55075577	0.069654
674.805	661.43	1.51465577	0.070574

691.279	677.821	1.47835577	0.071504
707.17	693.63	1.44205577	0.072244
722.377	708.756	1.40575577	0.072794
736.81	723.11	1.36935577	0.073264
750.393	736.618	1.33305577	0.073464
763.064	749.216	1.29665577	0.073584
774.777	760.862	1.26035577	0.073444
785.509	771.53	1.22405577	0.073144
795.256	781.219	1.18775577	0.072694
804.037	789.946	1.15155577	0.072004
811.888	797.746	1.11545577	0.071084
818.862	804.674	1.07945577	0.069944
825.027	810.796	1.04355577	0.068584
830.462	816.19	1.00765577	0.067124
835.254	820.943	0.97195577	0.065384
839.497	825.148	0.93635577	0.063459
843.287	828.901	0.90085577	0.061373
846.723	832.302	0.86545577	0.059138
849.904	835.447	0.83015577	0.056767
852.925	838.432	0.79505577	0.054174
855.879	841.35	0.76005577	0.051476
858.854	844.288	0.72525577	0.048586
861.931	847.329	0.69045577	0.045722
865.187	850.547	0.65595577	0.042598
868.689	854.011	0.62155577	0.039432
872.499	857.781	0.58725577	0.036241
876.669	861.91	0.55315577	0.032941
881.244	866.443	0.51915577	0.029651
886.261	871.416	0.48535577	0.026288
891.746	876.856	0.45175577	0.02287
897.721	882.784	0.41825577	0.019518
904.197	889.211	0.38505577	0.01605
911.18	896.143	0.35195577	0.012685
918.671	903.579	0.31905577	0.009346
926.713	911.534	0.28635577	0.006056
935.352	920.094	0.25395577	0.00275
944.656	929.318	0.22165577	-0.00034
954.663	939.248	0.18965577	-0.00337
965.387	949.897	0.15785577	-0.00621
976.819	961.255	0.12635577	-0.00892
988.923	973.289	0.09515577	-0.01147
1001.65	985.942	0.06415577	-0.01372
1014.91	999.139	0.03345577	-0.01574
1028.63	1012.79	0.00315577	-0.01759
1042.71	1026.79	-0.02694423	-0.01904
1057.02	1041.03	-0.05664423	-0.02026
1071.45	1055.4	-0.08594423	-0.02122
1085.89	1069.77	-0.11494423	-0.02179
1100.21	1084.02	-0.14354423	-0.02203
1114.32	1098.05	-0.17174423	-0.02194
1128.09	1111.76	-0.19944423	-0.02157
1141.44	1125.03	-0.22684423	-0.02071
1154.29	1137.81	-0.25374423	-0.01953
1166.56	1150.01	-0.28014423	-0.01802
1178.22	1161.6	-0.30604423	-0.01616

1189.22	1172.53	-0.33154423	-0.01384
1199.55	1182.78	-0.35654423	-0.01114
1209.21	1192.38	-0.38094423	-0.00815
1218.23	1201.32	-0.40484423	-0.00476
1226.63	1209.66	-0.42824423	-0.00096
1234.47	1217.43	-0.45114423	0.00324
1241.81	1224.71	-0.47344423	0.007756
1248.72	1231.56	-0.49524423	0.012686
1255.27	1238.06	-0.51644423	0.017927
1261.55	1244.28	-0.53714423	0.023575
1267.63	1250.31	-0.55714423	0.029424
1273.58	1256.21	-0.57664423	0.035667
1279.46	1262.04	-0.59554423	0.042193
1285.31	1267.84	-0.61394423	0.04909
1291.17	1273.65	-0.63164423	0.056144
1297.05	1279.49	-0.64874423	0.063439
1302.98	1285.38	-0.66534423	0.071057
1309	1291.35	-0.68124423	0.078778
1315.14	1297.44	-0.69654423	0.08668
1321.45	1303.69	-0.71124423	0.094739
1327.97	1310.17	-0.72524423	0.102829
1334.76	1316.9	-0.73864423	0.111024
1341.86	1323.95	-0.75144423	0.119295
1349.3	1331.34	-0.76354423	0.127514
1357.11	1339.09	-0.77494423	0.13565
1365.29	1347.22	-0.78574423	0.143774
1373.83	1355.72	-0.79584423	0.151755
1382.71	1364.56	-0.80524423	0.159565
1391.86	1373.67	-0.81394423	0.167174
1401.21	1382.99	-0.82194423	0.174553
1410.66	1392.41	-0.82924423	0.181677
1420.08	1401.82	-0.83574423	0.18842
1429.33	1411.06	-0.84164423	0.194956
1438.26	1419.98	-0.84664423	0.200965
1446.69	1428.42	-0.85094423	0.206626
1454.44	1436.17	-0.85444423	0.21182
1461.32	1443.06	-0.85724423	0.216632
1467.14	1448.9	-0.85914423	0.220847
1471.71	1453.49	-0.86034423	0.224654
1474.83	1456.65	-0.86064423	0.227843
1476.42	1458.3	-0.86024423	0.230606
1476.03	1457.94	-0.85894423	0.232739
1473.78	1455.74	-0.85684423	0.234338
1469.44	1451.46	-0.85404423	0.235502
1462.88	1444.97	-0.85034423	0.236031
1454.01	1436.18	-0.84594423	0.236127
1442.77	1425.03	-0.84064423	0.235594
1429.11	1411.46	-0.83464423	0.234637
1413.03	1395.48	-0.82794423	0.233262
1394.56	1377.11	-0.82044423	0.231375
1373.75	1356.41	-0.81234423	0.229184
1350.7	1333.48	-0.80344423	0.226499
1325.54	1308.43	-0.79404423	0.223627
1298.41	1281.44	-0.78394423	0.220377
1269.53	1252.68	-0.77324423	0.216858

1239.09	1222.38	-0.76204423	0.213179
1207.35	1190.77	-0.75034423	0.209349
1174.57	1158.12	-0.73814423	0.205373
1141.03	1124.72	-0.72554423	0.201361
1107.04	1090.86	-0.71254423	0.197316
1072.89	1056.84	-0.69914423	0.193245
1038.89	1022.98	-0.68554423	0.189351
1005.36	989.584	-0.67164423	0.185535
972.597	956.953	-0.65754423	0.181899
940.898	925.382	-0.64324423	0.178442
910.539	895.148	-0.62874423	0.175161
881.778	866.507	-0.61424423	0.17225
854.847	839.693	-0.59964423	0.169606
829.953	814.91	-0.58504423	0.167317
807.269	792.331	-0.57034423	0.165276
786.932	772.095	-0.55574423	0.163668
769.045	754.303	-0.54114423	0.162382
753.671	739.018	-0.52664423	0.161499
740.834	726.264	-0.51224423	0.161003
730.518	716.026	-0.49794423	0.160873
722.666	708.246	-0.48374423	0.161089
717.185	702.831	-0.46974423	0.161728
713.945	699.652	-0.45584423	0.162665
712.782	698.545	-0.44204423	0.163874
713.502	699.316	-0.42834423	0.165329
715.886	701.747	-0.41484423	0.167101
719.695	705.599	-0.40144423	0.169063
724.672	710.615	-0.38814423	0.171185
730.545	716.525	-0.37504423	0.173538
737.036	723.052	-0.36204423	0.175991
743.862	729.91	-0.34904423	0.178416
750.737	736.819	-0.33624423	0.180981
757.384	743.498	-0.32354423	0.183559
763.532	749.679	-0.31084423	0.186021
768.925	755.105	-0.29824423	0.188439
773.324	759.539	-0.28574423	0.190786
776.512	762.763	-0.27334423	0.193037
778.297	764.585	-0.26084423	0.194967
778.61	764.919	-0.24854423	0.196854
777.034	763.403	-0.23624423	0.198476
773.754	760.168	-0.22394423	0.199814
768.611	755.071	-0.21174423	0.200948
761.579	748.086	-0.19964423	0.201864
752.67	739.225	-0.18764423	0.202545
741.938	728.542	-0.17564423	0.20288
729.475	716.13	-0.16374423	0.202956
715.408	702.115	-0.15194423	0.202763
699.895	686.658	-0.14034423	0.202393
683.124	669.944	-0.12884423	0.20174
665.302	652.181	-0.11754423	0.200898
646.653	633.595	-0.10634423	0.199763
627.414	614.42	-0.09544423	0.198533
607.826	594.898	-0.08474423	0.197107
588.131	575.271	-0.07424423	0.195483
568.568	555.777	-0.06404423	0.193763

549.365	536.645	-0.05424423	0.192047
530.739	518.09	-0.04464423	0.190136
512.888	500.311	-0.03544423	0.188231
495.992	483.487	-0.02654423	0.186235
480.207	467.773	-0.01814423	0.184348
465.663	453.298	-0.01004423	0.18237
452.462	440.167	-0.00244423	0.180502
440.68	428.452	0.00475577	0.178643
430.36	418.198	0.01155577	0.176792
421.517	409.42	0.01785577	0.175045
414.137	402.102	0.02365577	0.1734
408.175	396.201	0.02895577	0.171852
403.559	391.643	0.03385577	0.170296
400.192	388.333	0.03815577	0.168924
397.951	386.147	0.04205577	0.167529
396.694	384.943	0.04545577	0.166203
396.261	384.562	0.04835577	0.164935
396.477	384.827	0.05065577	0.163817
397.156	385.555	0.05255577	0.162637
398.107	386.554	0.05395577	0.161484
399.135	387.629	0.05485577	0.160346
400.051	388.59	0.05525577	0.159213
400.668	389.251	0.05515577	0.158073
400.813	389.439	0.05455577	0.156914
400.327	388.995	0.05355577	0.155628
399.069	387.779	0.05195577	0.154403
396.923	385.672	0.04995577	0.153032
393.795	382.583	0.04745577	0.151607
389.622	378.448	0.04435577	0.150221
384.369	373.23	0.04085577	0.148669
378.033	366.929	0.03685577	0.147048
370.642	359.57	0.03225577	0.145456
362.257	351.217	0.02725577	0.143692
352.969	341.959	0.02165577	0.141957
342.9	331.917	0.01545577	0.140254
332.199	321.241	0.00875577	0.138488
321.038	310.103	0.00155577	0.136664
309.614	298.698	-0.00624423	0.134889
298.138	287.239	-0.01474423	0.133273
286.838	275.952	-0.02374423	0.131624
275.949	265.072	-0.03334423	0.130054
265.709	254.837	-0.04364423	0.128674
256.358	245.487	-0.05454423	0.127395
248.129	237.253	-0.06614423	0.126332
241.242	230.357	-0.07834423	0.125396
235.905	225.006	-0.09124423	0.124701
232.304	221.384	-0.10484423	0.124261
230.503	219.541	-0.11904423	0.123987
230.927	219.949	-0.13394423	0.123994
233.389	222.373	-0.14954423	0.124292
238.055	226.995	-0.16584423	0.124895
244.959	233.85	-0.18274423	0.125712
254.102	242.937	-0.20034423	0.126855
265.448	254.221	-0.21854423	0.128232
278.927	267.631	-0.23734423	0.129855

294.436	283.067	-0.25684423	0.13183
311.844	300.395	-0.27684423	0.133967
330.992	319.457	-0.29744423	0.136373
351.699	340.073	-0.31864423	0.139056
373.764	362.042	-0.34024423	0.141824
396.974	385.151	-0.36244423	0.144883
421.107	409.176	-0.38504423	0.148042
445.935	433.892	-0.40804423	0.151308
471.235	459.075	-0.43144423	0.154691
496.788	484.506	-0.45524423	0.158198
522.386	509.977	-0.47934423	0.161741
547.834	535.294	-0.50384423	0.165428
572.952	560.277	-0.52854423	0.169072
597.577	584.763	-0.55344423	0.172685
621.567	608.611	-0.57854423	0.176281
644.801	631.7	-0.60384423	0.179873
667.183	653.935	-0.62934423	0.183477
688.642	675.246	-0.65494423	0.187011
709.133	695.588	-0.68054423	0.190392
728.637	714.942	-0.70634423	0.193839
747.157	733.312	-0.73214423	0.197173
764.719	750.724	-0.75794423	0.200414
781.371	767.231	-0.78374423	0.203585
797.188	782.907	-0.80964423	0.206808
812.268	797.853	-0.83534423	0.209808
826.732	812.186	-0.86114423	0.212907
840.714	826.043	-0.88674423	0.21583
854.36	839.568	-0.91234423	0.218803
867.818	852.91	-0.93774423	0.221649
881.241	866.221	-0.96314423	0.224593
894.775	879.645	-0.98834423	0.227459
908.557	893.319	-1.01334423	0.230272
922.711	907.367	-1.03824423	0.233154
937.345	921.896	-1.06294423	0.236029
952.547	936.994	-1.08744423	0.238916
968.381	952.725	-1.11164423	0.241739
984.888	969.13	-1.13564423	0.244615
1002.08	986.223	-1.15944423	0.247565
1019.95	1003.99	-1.18284423	0.250405
1038.46	1022.4	-1.20604423	0.253353
1057.54	1041.38	-1.22884423	0.256223
1077.11	1060.86	-1.25134423	0.259131
1097.07	1080.72	-1.27344423	0.261994
1117.3	1100.85	-1.29514423	0.264814
1137.65	1121.11	-1.31644423	0.267614
1157.99	1141.36	-1.33724423	0.270294
1178.16	1161.45	-1.35764423	0.272984
1198.01	1181.2	-1.37754423	0.275574
1217.36	1200.48	-1.39684423	0.277974
1236.07	1219.11	-1.41574423	0.280404
1253.98	1236.94	-1.43394423	0.282574
1270.93	1253.82	-1.45164423	0.284674
1286.79	1269.61	-1.46874423	0.286624
1301.44	1284.2	-1.48524423	0.288444
1314.76	1297.45	-1.50114423	0.290114

1326.65	1309.29	-1.51634423	0.291564
1337.04	1319.63	-1.53084423	0.292794
1345.87	1328.42	-1.54474423	0.293914
1353.1	1335.6	-1.55794423	0.294824
1358.71	1341.18	-1.57034423	0.295444
1362.7	1345.14	-1.58224423	0.296074
1365.09	1347.5	-1.59334423	0.296424
1365.93	1348.31	-1.60374423	0.296604
1365.26	1347.63	-1.61344423	0.296624
1363.18	1345.53	-1.62244423	0.296484
1359.78	1342.12	-1.63074423	0.296204
1355.17	1337.51	-1.63834423	0.295774
1349.47	1331.81	-1.64524423	0.295234
1342.84	1325.18	-1.65154423	0.294664
1335.41	1317.75	-1.65714423	0.293974
1327.34	1309.69	-1.66204423	0.293194
1318.79	1301.15	-1.66634423	0.292404
1309.93	1292.3	-1.66994423	0.291534
1300.92	1283.31	-1.67294423	0.290674
1291.92	1274.33	-1.67534423	0.289834
1283.1	1265.52	-1.67714423	0.289034
1274.6	1257.03	-1.67834423	0.288264
1266.56	1249.01	-1.67904423	0.287624
1259.12	1241.58	-1.67904423	0.286934
1252.39	1234.87	-1.67854423	0.286394
1246.47	1228.96	-1.67744423	0.285894
1241.45	1223.96	-1.67584423	0.285544
1237.4	1219.92	-1.67374423	0.285344
1234.38	1216.9	-1.67104423	0.285194
1232.4	1214.93	-1.66784423	0.285194
1231.42	1213.95	-1.66414423	0.285334
1231.61	1214.15	-1.65984423	0.285524
1232.75	1215.29	-1.65504423	0.285844
1234.84	1217.39	-1.64974423	0.286294
1237.81	1220.36	-1.64394423	0.286864
1241.55	1224.1	-1.63754423	0.287454
1245.94	1228.5	-1.63064423	0.288154
1250.84	1233.41	-1.62324423	0.288934
1256.11	1238.68	-1.61524423	0.289714
1261.57	1244.15	-1.60664423	0.290454
1267.06	1249.65	-1.59754423	0.291254
1272.4	1255	-1.58794423	0.292094
1277.39	1260.01	-1.57774423	0.292874
1281.87	1264.5	-1.56694423	0.293564
1285.63	1268.29	-1.55554423	0.294154
1288.52	1271.2	-1.54364423	0.294734
1290.37	1273.07	-1.53104423	0.295084
1291.01	1273.75	-1.51794423	0.295384
1290.32	1273.08	-1.50424423	0.295524
1288.16	1270.97	-1.49004423	0.295594
1284.44	1267.29	-1.47514423	0.295364
1279.07	1261.97	-1.45974423	0.295044
1272	1254.96	-1.44374423	0.294494
1263.19	1246.21	-1.42724423	0.293814
1252.64	1235.72	-1.41014423	0.292894

1240.35	1223.5	-1.39254423	0.291814
1226.37	1209.6	-1.37434423	0.290464
1210.77	1194.07	-1.35574423	0.289034
1193.63	1177.01	-1.33664423	0.287404
1175.06	1158.53	-1.31714423	0.285684
1155.19	1138.75	-1.29714423	0.283734
1134.16	1117.82	-1.27684423	0.281771
1112.16	1095.91	-1.25604423	0.27957
1089.34	1073.19	-1.23494423	0.277326
1065.9	1049.85	-1.21354423	0.275028
1042.02	1026.08	-1.19184423	0.272667
1017.91	1002.07	-1.16994423	0.270334
993.762	978.032	-1.14774423	0.267919
969.767	954.144	-1.12534423	0.265512
946.112	930.598	-1.10284423	0.263203
922.975	907.569	-1.08014423	0.26088
900.521	885.222	-1.05734423	0.258633
878.897	863.706	-1.03444423	0.256449
858.236	843.15	-1.01144423	0.254316
838.648	823.667	-0.98854423	0.252419
820.221	805.344	-0.96554423	0.250546
803.02	788.247	-0.94254423	0.24878
787.086	772.414	-0.91964423	0.247204
772.433	757.862	-0.89674423	0.245703
759.051	744.58	-0.87394423	0.244357
746.904	732.531	-0.85114423	0.243048
735.932	721.654	-0.82854423	0.241955
726.048	711.867	-0.80604423	0.240957
717.149	703.063	-0.78364423	0.240032
709.107	695.116	-0.76134423	0.239157
701.78	687.883	-0.73924423	0.23841
695.008	681.204	-0.71734423	0.237766
688.621	674.912	-0.69554423	0.237099
682.439	668.825	-0.67394423	0.236486
676.279	662.76	-0.65244423	0.2358
669.954	656.531	-0.63114423	0.235117
663.28	649.954	-0.61004423	0.23441
656.077	642.849	-0.58914423	0.233655
648.176	635.048	-0.56854423	0.232925
639.419	626.392	-0.54804423	0.231997
629.664	616.741	-0.52774423	0.230947
618.788	605.97	-0.50774423	0.229849
606.69	593.978	-0.48794423	0.228583
593.291	580.688	-0.46844423	0.227226
578.538	566.045	-0.44924423	0.225758
562.406	550.025	-0.43024423	0.224058
544.898	532.629	-0.41164423	0.222309
526.044	513.889	-0.39334423	0.220394
505.904	493.864	-0.37534423	0.218295
484.564	472.639	-0.35774423	0.2161
462.139	450.33	-0.34054423	0.213794
438.767	427.073	-0.32384423	0.211465
414.609	403.03	-0.30754423	0.209003
389.848	378.383	-0.29164423	0.206397
364.681	353.328	-0.27634423	0.20384

339.321	328.08	-0.26164423	0.201322
313.991	302.859	-0.24744423	0.198738
288.919	277.893	-0.23384423	0.19618
264.335	253.413	-0.22084423	0.193643
240.466	229.645	-0.20854423	0.191222
217.535	206.811	-0.19684423	0.18881
195.751	185.12	-0.18594423	0.186603
175.311	164.77	-0.17574423	0.184496
156.393	145.937	-0.16634423	0.182582
139.152	128.777	-0.15774423	0.180855
123.721	113.422	-0.14984423	0.17921
110.205	99.9773	-0.14284423	0.177838
98.6802	88.5181	-0.13664423	0.176632
89.1919	79.0907	-0.13134423	0.175684
81.7559	71.7103	-0.12684423	0.174883
76.3568	66.3613	-0.12324423	0.174321
72.9489	62.998	-0.12044423	0.173886
71.3993	61.5049	-0.11864423	0.173768
71.7801	61.9017	-0.11764423	0.173753
73.7902	63.9395	-0.11754423	0.173931
77.3382	67.5098	-0.11834423	0.174289
82.2554	72.4446	-0.11994423	0.174714
88.3583	78.5603	-0.12244423	0.175295
95.4518	85.662	-0.12584423	0.176019
103.334	93.5484	-0.13004423	0.176775
111.802	102.016	-0.13504423	0.177553
120.654	110.863	-0.14094423	0.178443
129.697	119.896	-0.14754423	0.179237
138.751	128.935	-0.15504423	0.180129
147.654	137.818	-0.16334423	0.181015
156.266	146.406	-0.17244423	0.181891
164.475	154.585	-0.18224423	0.182659
172.193	162.269	-0.19284423	0.183421
179.366	169.402	-0.20414423	0.184081
185.967	175.96	-0.21614423	0.184647
192.003	181.948	-0.22894423	0.185229
197.507	187.4	-0.24244423	0.18574
202.546	192.382	-0.25664423	0.186193
207.209	196.985	-0.27154423	0.186606
211.612	201.323	-0.28714423	0.186997
215.889	205.532	-0.30344423	0.187388
220.193	209.763	-0.32044423	0.187801
224.689	214.183	-0.33804423	0.188158
229.55	218.965	-0.35634423	0.188585
234.953	224.285	-0.37534423	0.189108
241.075	230.321	-0.39494423	0.189653
248.087	237.243	-0.41524423	0.190346
256.15	245.212	-0.43614423	0.191114
265.411	254.378	-0.45764423	0.191983
276.003	264.87	-0.47974423	0.192981
288.034	276.797	-0.50244423	0.194132
301.591	290.248	-0.52574423	0.195462
316.734	305.281	-0.54954423	0.196896
333.498	321.932	-0.57394423	0.198557
351.887	340.205	-0.59884423	0.200367

371.878	360.078	-0.62424423	0.20235
393.421	381.498	-0.65004423	0.204424
416.435	404.387	-0.67634423	0.206711
440.815	428.642	-0.70304423	0.209129
466.435	454.131	-0.73004423	0.211596
493.141	480.707	-0.75744423	0.214229
520.766	508.198	-0.78514423	0.216946
549.124	536.422	-0.81314423	0.219762
578.018	565.18	-0.84134423	0.222592
607.241	594.267	-0.86974423	0.225452
636.584	623.473	-0.89834423	0.228358
665.832	652.584	-0.92704423	0.231223
694.776	681.392	-0.95584423	0.234064
723.212	709.692	-0.98464423	0.236794
750.944	737.29	-1.01354423	0.23953
777.791	764.004	-1.04244423	0.242187
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873.299	859.004	-1.15714423	0.251457
893.633	879.217	-1.18544423	0.253372
912.402	897.87	-1.21364423	0.255214
929.576	914.931	-1.24164423	0.256901
945.153	930.399	-1.26934423	0.258354
959.154	944.294	-1.29684423	0.259694
971.624	956.663	-1.32404423	0.260834
982.634	967.575	-1.35104423	0.261914
992.274	977.121	-1.37774423	0.262834
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1007.9	992.571	-1.43024423	0.264324
1014.16	998.744	-1.45604423	0.264934
1019.58	1004.08	-1.48144423	0.265374
1024.32	1008.74	-1.50654423	0.265774
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1379.98	1362.1	-2.17294423	0.298984
1374.33	1356.46	-2.17424423	0.298224
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1360.33	1342.49	-2.17474423	0.296424
1352.22	1334.4	-2.17394423	0.295384
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1324.89	1307.15	-2.16764423	0.292064
1315.19	1297.48	-2.16424423	0.290884
1305.39	1287.71	-2.16014423	0.289624
1295.6	1277.96	-2.15554423	0.288474
1285.92	1268.32	-2.15024423	0.287244
1276.44	1258.89	-2.14444423	0.286124
1267.25	1249.74	-2.13804423	0.285014
1258.41	1240.95	-2.13104423	0.283904
1249.98	1232.57	-2.12354423	0.282894
1242	1224.63	-2.11544423	0.281874
1234.49	1217.16	-2.10684423	0.280934
1227.45	1210.18	-2.09764423	0.279964
1220.89	1203.66	-2.08804423	0.279164
1214.77	1197.6	-2.07784423	0.278304
1209.06	1191.95	-2.06724423	0.277594
1203.72	1186.65	-2.05604423	0.276804
1198.67	1181.66	-2.04444423	0.276124
1193.85	1176.89	-2.03234423	0.275444
1189.16	1172.27	-2.01974423	0.274744
1184.53	1167.69	-2.00664423	0.274014
1179.84	1163.06	-1.99314423	0.273324
1174.99	1158.28	-1.97924423	0.272664
1169.88	1153.23	-1.96484423	0.271904
1164.39	1147.81	-1.94994423	0.271044
1158.43	1141.92	-1.93474423	0.270264
1151.88	1135.45	-1.91904423	0.269324
1144.66	1128.29	-1.90294423	0.268324

1136.65	1120.37	-1.88644423	0.267244
1127.79	1111.59	-1.86954423	0.266054
1118	1101.88	-1.85224423	0.264744
1107.22	1091.19	-1.83464423	0.263384
1095.39	1079.45	-1.81664423	0.261864
1082.5	1066.65	-1.79824423	0.260174
1068.52	1052.77	-1.77964423	0.258474
1053.45	1037.8	-1.76064423	0.256564
1037.32	1021.76	-1.74144423	0.254634
1020.15	1004.7	-1.72184423	0.252444
1002.01	986.663	-1.70214423	0.250294
982.964	967.723	-1.68214423	0.247974
963.104	947.969	-1.66194423	0.245564
942.534	927.505	-1.64164423	0.243154
921.373	906.451	-1.62114423	0.240624
899.753	884.939	-1.60044423	0.237964
877.82	863.112	-1.57974423	0.235364
855.724	841.122	-1.55894423	0.232724
833.627	819.129	-1.53814423	0.230114
811.691	797.296	-1.51734423	0.227544
790.083	775.789	-1.49644423	0.224894
768.965	754.77	-1.47564423	0.222354
748.5	734.4	-1.45494423	0.219924
728.839	714.833	-1.43434423	0.217584
710.128	696.212	-1.41384423	0.215334
692.499	678.67	-1.39344423	0.213154
676.07	662.324	-1.37314423	0.211054
660.943	647.276	-1.35314423	0.209204
647.2	633.609	-1.33324423	0.207404
634.906	621.386	-1.31364423	0.205854
624.103	610.651	-1.29414423	0.204324
614.813	601.424	-1.27504423	0.203124
607.032	593.703	-1.25604423	0.201924
600.738	587.465	-1.23734423	0.200914
595.886	582.665	-1.21894423	0.200094
592.409	579.237	-1.20074423	0.199354
590.222	577.094	-1.18294423	0.198859
589.222	576.062	-1.16534423	0.198413
589.13	576.239	-1.14794423	0.197999
590.289	577.274	-1.13094423	0.197801
592.082	579.098	-1.11414423	0.197608
594.515	581.559	-1.09764423	0.197504
597.432	584.502	-1.08134423	0.197377
600.677	587.77	-1.06544423	0.197414
604.094	591.207	-1.04964423	0.197303
607.532	594.663	-1.03424423	0.197331
610.849	597.996	-1.01904423	0.197287
613.914	601.074	-1.00404423	0.197163
616.608	603.779	-0.98924423	0.196948
618.829	606.01	-0.97484423	0.196835
620.493	607.682	-0.96054423	0.196518
621.537	608.732	-0.94654423	0.196192
621.918	609.116	-0.93274423	0.195753
621.616	608.816	-0.91914423	0.1952
620.633	607.833	-0.90584423	0.194631

618.996	606.194	-0.89274423	0.193949
616.754	603.947	-0.87984423	0.193155
613.98	601.166	-0.86724423	0.192355
610.767	597.943	-0.85474423	0.191355
607.229	594.392	-0.84264423	0.190463
603.496	590.643	-0.83074423	0.189488
599.713	586.842	-0.81904423	0.18844
596.036	583.143	-0.80764423	0.187432
592.631	579.713	-0.79654423	0.186475
589.666	576.72	-0.78564423	0.185484
587.31	574.333	-0.77504423	0.184573
585.732	572.72	-0.76464423	0.183657
585.091	572.04	-0.75454423	0.182851
585.538	572.445	-0.74474423	0.182171
587.211	574.071	-0.73524423	0.181631
590.229	577.039	-0.72594423	0.181148
594.695	581.452	-0.71694423	0.180835
600.691	587.389	-0.70824423	0.180709
608.273	594.909	-0.69974423	0.180683
617.473	604.044	-0.69144423	0.180771
628.301	614.803	-0.68344423	0.181085
640.737	627.165	-0.67564423	0.18154
654.737	641.089	-0.66804423	0.182146
670.231	656.503	-0.66064423	0.182915
687.127	673.315	-0.65334423	0.183757
705.307	691.409	-0.64624423	0.184783
724.635	710.649	-0.63924423	0.185903
744.957	730.879	-0.63244423	0.187225
766.101	751.93	-0.62564423	0.18856
787.884	773.618	-0.61884423	0.189915
810.115	795.752	-0.61214423	0.191399
832.593	818.133	-0.60544423	0.19292
855.117	840.559	-0.59864423	0.194388
877.487	862.831	-0.59184423	0.195911
899.506	884.753	-0.58494423	0.197397
920.984	906.134	-0.57794423	0.198857
941.744	926.798	-0.57084423	0.200299
961.619	946.579	-0.56354423	0.201634
980.46	965.328	-0.55604423	0.202871
998.137	982.916	-0.54834423	0.204023
1014.54	999.23	-0.54044423	0.2051
1029.58	1014.18	-0.53234423	0.206113
1043.18	1027.71	-0.52394423	0.206977
1055.31	1039.76	-0.51524423	0.207702
1065.94	1050.31	-0.50624423	0.208303
1075.07	1059.38	-0.49694423	0.208793
1082.73	1066.97	-0.48724423	0.209086
1088.96	1073.14	-0.47734423	0.209397
1093.83	1077.95	-0.46704423	0.209538
1097.42	1081.49	-0.45644423	0.209625
1099.82	1083.85	-0.44544423	0.209572
1101.17	1085.15	-0.43414423	0.209493
1101.57	1085.51	-0.42254423	0.209402
1101.16	1085.07	-0.41054423	0.209212
1100.09	1083.97	-0.39814423	0.208936

1098.49	1082.34	-0.38544423	0.208687
1096.51	1080.34	-0.37244423	0.208475
1094.29	1078.1	-0.35904423	0.208214
1091.96	1075.75	-0.34534423	0.208011
1089.66	1073.43	-0.33134423	0.207877
1087.49	1071.26	-0.31694423	0.20772
1085.58	1069.33	-0.30224423	0.207647
1084	1067.74	-0.28724423	0.207663
1082.83	1066.57	-0.27194423	0.207774
1082.14	1065.87	-0.25624423	0.207883
1081.97	1065.7	-0.24024423	0.208094
1082.34	1066.06	-0.22404423	0.208506
1083.26	1066.98	-0.20744423	0.208921
1084.72	1068.44	-0.19044423	0.209338
1086.68	1070.4	-0.17324423	0.209953
1089.12	1072.84	-0.15574423	0.210664
1091.95	1075.67	-0.13784423	0.211367
1095.12	1078.84	-0.11964423	0.212156
1098.52	1082.25	-0.10114423	0.213025
1102.06	1085.8	-0.08224423	0.213866
1105.63	1089.38	-0.06314423	0.214873
1109.11	1092.87	-0.04354423	0.215736
1112.38	1096.15	-0.02374423	0.216746
1115.3	1099.09	-0.00354423	0.217694
1117.76	1101.57	0.01695577	0.218669
1119.62	1103.45	0.03785577	0.21956
1120.77	1104.63	0.05915577	0.220357
1121.09	1104.98	0.08075577	0.221149
1120.48	1104.39	0.10265577	0.221925
1118.83	1102.79	0.12495577	0.222572
1116.08	1100.07	0.14755577	0.223181
1112.14	1096.17	0.17055577	0.223639
1106.97	1091.05	0.19375577	0.224135
1100.54	1084.66	0.21745577	0.22436
1092.84	1077.01	0.24135577	0.224603
1083.89	1068.11	0.26555577	0.224756
1073.74	1058.01	0.29015577	0.22471
1062.45	1046.77	0.31495577	0.224659
1050.1	1034.48	0.34005577	0.224494
1036.78	1021.22	0.36535577	0.224309
1022.63	1007.13	0.39085577	0.224098
1007.77	992.334	0.41665577	0.223753
992.352	976.975	0.44265577	0.223369
976.524	961.209	0.46875577	0.223041
960.451	945.199	0.49515577	0.222562
944.3	929.11	0.52155577	0.222227
928.237	913.11	0.54805577	0.221931
912.428	897.363	0.57475577	0.221567
897.034	882.031	0.60145577	0.22133
882.207	867.264	0.62825577	0.221113
868.09	853.205	0.65505577	0.22101
854.81	839.983	0.68195577	0.220914
842.483	827.712	0.70875577	0.221017
831.204	816.486	0.73565577	0.221112
821.049	806.384	0.76245577	0.221389

812.077	797.461	0.78925577	0.221744
804.321	789.753	0.81595577	0.222254
797.795	783.272	0.84265577	0.222824
792.489	778.01	0.86925577	0.223534
788.373	773.935	0.89575577	0.224374
785.393	770.995	0.92225577	0.225234
783.476	769.115	0.94865577	0.226204
782.53	768.205	0.97495577	0.227254
782.387	768.079	1.00115577	0.228384
783.093	768.837	1.02735577	0.229484
784.339	770.115	1.05335577	0.230734
786.033	771.84	1.07935577	0.231904
788.016	773.855	1.10525577	0.233104
790.128	775.998	1.13115577	0.234204
792.202	778.105	1.15685577	0.235384
794.077	780.011	1.18255577	0.236444
795.591	781.558	1.20815577	0.237464
796.593	782.594	1.23375577	0.238314
796.938	782.974	1.25925577	0.239104
796.495	782.567	1.28465577	0.239804
795.147	781.258	1.31005577	0.240304
792.796	778.947	1.33535577	0.240694
789.358	775.552	1.36055577	0.240954
784.775	771.012	1.38575577	0.240984
779.004	765.287	1.41085577	0.240874
772.03	758.361	1.43585577	0.240604
763.856	750.237	1.46075577	0.240174
754.51	740.942	1.48555577	0.239584
744.041	730.526	1.51025577	0.238804
732.519	719.059	1.53475577	0.237944
720.034	706.63	1.55915577	0.236904
706.695	693.348	1.58345577	0.235664
692.625	679.336	1.60755577	0.234334
677.965	664.735	1.63145577	0.232914
662.865	649.693	1.65525577	0.231284
647.483	634.37	1.67865577	0.229764
631.986	618.931	1.70195577	0.228034
616.542	603.544	1.72495577	0.226304
601.319	588.378	1.74765577	0.224564
586.483	573.597	1.77005577	0.222824
572.193	559.361	1.79225577	0.220974
558.599	545.82	1.81395577	0.219324
545.841	533.112	1.83545577	0.217564
534.043	521.362	1.85655577	0.215904
523.312	510.678	1.87725577	0.214324
513.739	501.148	1.89755577	0.212834
505.394	492.844	1.91755577	0.211324
498.323	485.812	1.93705577	0.210004
492.555	480.079	1.95625577	0.208654
488.091	475.65	1.97495577	0.207474
484.915	472.504	1.99325577	0.206364
482.985	470.602	2.01115577	0.205324
482.239	469.883	2.02855577	0.204434
482.597	470.264	2.04555577	0.203594
483.958	471.646	2.06215577	0.202794

486.208	473.915	2.07835577	0.202024
489.217	476.942	2.09415577	0.201284
492.846	480.587	2.10945577	0.200654
496.945	484.701	2.12445577	0.199944
501.363	489.132	2.13895577	0.199324
505.943	493.724	2.15315577	0.198604
510.531	498.322	2.16685577	0.197964
514.976	502.777	2.18025577	0.197194
519.133	506.944	2.19325577	0.196404
522.868	510.69	2.20585577	0.195564
526.06	513.891	2.21815577	0.194584
528.601	516.44	2.23005577	0.193554
530.399	518.248	2.24155577	0.192474
531.382	519.24	2.25275577	0.191224
531.55	519.414	2.26365577	0.189824
530.711	518.59	2.27405577	0.188444
529.015	516.903	2.28425577	0.186814
526.418	514.316	2.29395577	0.185214
522.951	510.86	2.30335577	0.183444
518.667	506.587	2.31245577	0.181514
513.637	501.567	2.32115577	0.179524
507.951	495.89	2.32945577	0.177474
501.712	489.661	2.33735577	0.175374
495.041	482.999	2.34495577	0.173124
488.067	476.033	2.35205577	0.170934
480.931	468.905	2.35885577	0.168614
473.778	461.758	2.36515577	0.166364
466.756	454.741	2.37115577	0.163994
460.015	448.004	2.37665577	0.161704
453.7	441.691	2.38165577	0.159514
447.954	435.946	2.38635577	0.157224
442.908	430.898	2.39045577	0.155144
438.685	426.671	2.39425577	0.152984
435.392	423.373	2.39745577	0.151044
433.124	421.097	2.40025577	0.149134
431.956	419.919	2.40265577	0.147254
431.803	419.76	2.40445577	0.145624
433.133	421.068	2.40585577	0.144034
435.534	423.452	2.40685577	0.142504
439.148	427.045	2.40725577	0.141224
443.95	431.825	2.40735577	0.139914
449.898	437.749	2.40685577	0.138854
456.929	444.754	2.40595577	0.137864
464.965	452.761	2.40465577	0.136944
473.908	461.673	2.40295577	0.136094
483.648	471.381	2.40075577	0.135404
494.063	481.762	2.39825577	0.134694
505.019	492.683	2.39525577	0.134154
516.377	504.005	2.39195577	0.133594
527.992	515.583	2.38825577	0.133104
539.719	527.271	2.38425577	0.132584
551.411	538.924	2.37985577	0.132144
562.927	550.401	2.37515577	0.131674
574.131	561.565	2.37025577	0.131094
584.897	572.292	2.36495577	0.130584

595.109	582.464	2.35935577	0.130064
604.665	591.981	2.35355577	0.129424
613.477	600.754	2.34745577	0.128784
621.476	608.715	2.34115577	0.128034
628.607	615.809	2.33465577	0.127174
634.838	622.002	2.32785577	0.126334
640.153	627.281	2.32085577	0.125394
644.556	631.649	2.31365577	0.124384
648.071	635.129	2.30625577	0.123294
650.739	637.763	2.29865577	0.122144
652.618	639.609	2.29085577	0.120944
653.784	640.741	2.28285577	0.119704
654.325	641.25	2.27465577	0.118424
654.392	641.301	2.26635577	0.117034
653.949	640.81	2.25775577	0.115724
653.265	640.094	2.24905577	0.114324
652.416	639.213	2.24005577	0.113034
651.532	638.297	2.23095577	0.111674
650.742	637.475	2.22165577	0.110354
650.176	636.877	2.21205577	0.109194
649.958	636.625	2.20235577	0.107994
650.206	636.839	2.19245577	0.106864
651.027	637.626	2.18235577	0.105824
652.522	639.085	2.17205577	0.104894
654.774	641.3	2.16155577	0.104064
657.854	644.342	2.15085577	0.103354
661.816	648.265	2.14005577	0.102684
666.7	653.108	2.12895577	0.102244
672.524	658.891	2.11775577	0.101854
679.291	665.615	2.10645577	0.101514
686.985	673.265	2.09485577	0.101434
695.571	681.806	2.08325577	0.101324
704.998	691.186	2.07135577	0.101484
715.198	701.339	2.05945577	0.101624
726.087	712.181	2.04745577	0.101834
737.569	723.615	2.03525577	0.102234
749.533	735.531	2.02305577	0.102624
761.86	747.81	2.01075577	0.103094
774.422	760.324	1.99835577	0.103654
787.084	772.938	1.98595577	0.104194
799.706	785.514	1.97355577	0.104734
812.149	797.911	1.96115577	0.105264
824.271	809.989	1.94865577	0.105894
835.936	821.612	1.93625577	0.106404
847.012	832.647	1.92395577	0.106804
857.376	842.972	1.91155577	0.107304
866.913	852.473	1.89935577	0.107584
875.522	861.048	1.88715577	0.107874
883.115	868.609	1.87505577	0.108044
889.618	875.084	1.86305577	0.108114
894.975	880.415	1.85115577	0.108074
899.147	884.565	1.83935577	0.107934
902.113	887.51	1.82765577	0.107694
903.868	889.249	1.81605577	0.107354
904.427	889.794	1.80455577	0.106914

903.822	889.179	1.79325577	0.106284
902.102	887.452	1.78195577	0.105654
899.332	884.677	1.77085577	0.104844
895.59	880.934	1.75985577	0.103954
890.968	876.315	1.74895577	0.102984
885.57	870.921	1.73815577	0.101924
879.507	864.864	1.72735577	0.100904
872.897	858.264	1.71675577	0.099714
865.864	851.243	1.70625577	0.098454
858.534	843.926	1.69575577	0.097224
851.031	836.439	1.68535577	0.095944
843.479	828.904	1.67495577	0.094704
835.994	821.439	1.66455577	0.093504
828.689	814.153	1.65425577	0.092254
821.663	807.149	1.64405577	0.090954
815.009	800.517	1.63375577	0.089794
808.802	794.335	1.62345577	0.088684
803.109	788.665	1.61325577	0.087514
797.976	783.558	1.60295577	0.086494
793.438	779.044	1.59265577	0.085504
789.509	775.142	1.58235577	0.084554
786.19	771.849	1.57205577	0.083634
783.464	769.15	1.56175577	0.082734
781.298	767.011	1.55135577	0.081954
779.644	765.385	1.54095577	0.081184
778.44	764.21	1.53055577	0.080424
777.613	763.411	1.52005577	0.079754
777.075	762.903	1.50955577	0.079064
776.734	762.592	1.49895577	0.078454
776.487	762.376	1.48835577	0.077814
776.229	762.149	1.47775577	0.077124
775.85	761.803	1.46705577	0.076474
775.242	761.228	1.45635577	0.075764
774.298	760.319	1.44565577	0.074974
772.916	758.973	1.43485577	0.074204
771.001	757.095	1.42395577	0.073424
768.466	754.599	1.41315577	0.072444
765.236	751.407	1.40215577	0.071544
761.245	747.458	1.39125577	0.070414
756.445	742.701	1.38025577	0.069254
750.801	737.101	1.36915577	0.068044
744.295	730.639	1.35795577	0.066784
736.924	723.315	1.34675577	0.065364
728.705	715.143	1.33545577	0.063874
719.669	706.156	1.32405577	0.062314
709.866	696.402	1.31255577	0.060674
699.361	685.947	1.30095577	0.058964
688.235	674.871	1.28915577	0.057254
676.582	663.268	1.27725577	0.055464
664.508	651.245	1.26525577	0.053584
652.131	638.918	1.25305577	0.051714
639.577	626.413	1.24065577	0.049844
626.978	613.862	1.22805577	0.047984
614.469	601.401	1.21525577	0.046124
602.188	589.166	1.20215577	0.044364

590.272	577.295	1.18895577	0.042514
578.853	565.919	1.17535577	0.040854
568.06	555.166	1.16155577	0.039204
558.011	545.155	1.14755577	0.037544
548.816	535.995	1.13315577	0.036094
540.569	527.782	1.11845577	0.034734
533.355	520.597	1.10345577	0.033464
527.239	514.508	1.08825577	0.032194
522.272	509.565	1.07255577	0.031214
518.486	505.799	1.05665577	0.030224
515.895	503.226	1.04035577	0.029414
514.496	501.84	1.02365577	0.028784
514.236	501.586	1.00675577	0.028134
515.162	502.524	0.98945577	0.027654
517.131	504.498	0.97175577	0.027341
520.099	507.467	0.95375577	0.027091
523.981	511.347	0.93545577	0.026896
528.676	516.038	0.91685577	0.026753
534.076	521.431	0.89795577	0.026656
540.063	527.409	0.87865577	0.026699
546.516	533.851	0.85915577	0.026676
553.309	540.63	0.83925577	0.026784
560.314	547.619	0.81915577	0.026816
567.407	554.696	0.79875577	0.026868
574.47	561.74	0.77805577	0.026938
581.389	568.638	0.75715577	0.026921
588.061	575.289	0.73595577	0.026915
594.393	581.599	0.71455577	0.026818
600.313	587.491	0.69295577	0.02663
605.776	592.919	0.67105577	0.026454
610.753	597.866	0.64895577	0.026192
615.241	602.32	0.62665577	0.025851
619.241	606.29	0.60425577	0.025337
622.768	609.786	0.58155577	0.024856
625.845	612.834	0.55865577	0.024317
628.506	615.465	0.53565577	0.023627
630.788	617.72	0.51235577	0.022997
632.739	619.644	0.48895577	0.022235
634.41	621.288	0.46535577	0.021454
635.856	622.709	0.44155577	0.020663
637.135	623.963	0.41765577	0.019774
638.307	625.111	0.39355577	0.0189
639.433	626.213	0.36925577	0.018052
640.572	627.328	0.34485577	0.017144
641.782	628.514	0.32025577	0.016287
643.118	629.827	0.29545577	0.015494
644.633	631.318	0.27055577	0.014679
646.373	633.034	0.24555577	0.013854
648.381	635.017	0.22025577	0.01323
650.694	637.305	0.19495577	0.012521
653.342	639.927	0.16945577	0.011939
656.348	642.906	0.14375577	0.011494
659.73	646.261	0.11795577	0.011098
663.497	649.999	0.09205577	0.010761
667.652	654.124	0.06595577	0.010595

672.189	658.632	0.03985577	0.010408
677.099	663.51	0.01355577	0.010411
682.361	668.74	-0.01284423	0.010511
687.953	674.299	-0.03934423	0.010717
693.846	680.157	-0.06604423	0.011138
700.003	686.28	-0.09264423	0.01148
706.386	692.628	-0.11944423	0.01205
712.954	699.159	-0.14634423	0.012756
719.661	705.83	-0.17324423	0.013503
726.462	712.593	-0.20014423	0.014298
733.307	719.401	-0.22714423	0.015247
740.152	726.207	-0.25424423	0.016354
746.949	732.966	-0.28134423	0.017526
753.656	739.633	-0.30844423	0.018767
760.23	746.168	-0.33554423	0.020083
766.634	752.533	-0.36264423	0.021479
772.835	758.694	-0.38984423	0.02306
778.805	764.624	-0.41694423	0.024631
784.52	770.301	-0.44404423	0.026297
789.967	775.71	-0.47114423	0.028064
795.14	780.845	-0.49814423	0.029838
800.041	785.709	-0.52514423	0.031724
804.681	790.314	-0.55214423	0.033727
809.081	794.679	-0.57914423	0.035854
813.268	798.831	-0.60594423	0.037911
817.277	802.806	-0.63284423	0.040204
821.153	806.647	-0.65954423	0.042439
824.948	810.405	-0.68624423	0.044823
828.724	814.143	-0.71284423	0.047263
832.548	817.928	-0.73944423	0.049863
836.495	821.833	-0.76594423	0.052531
840.641	825.936	-0.79234423	0.055272
845.062	830.313	-0.81864423	0.058093
849.834	835.038	-0.84484423	0.060998
855.026	840.183	-0.87094423	0.063994
860.705	845.813	-0.89684423	0.066986
866.925	851.984	-0.92274423	0.070178
873.735	858.742	-0.94854423	0.073476
881.167	866.122	-0.97414423	0.076784
889.242	874.145	-0.99964423	0.080206
897.968	882.817	-1.02494423	0.083646
907.334	892.13	-1.05014423	0.087207
917.317	902.059	-1.07514423	0.090794
927.878	912.566	-1.09994423	0.094404
938.962	923.597	-1.12454423	0.098054
950.503	935.084	-1.14894423	0.101734
962.42	946.948	-1.17314423	0.105444
974.622	959.098	-1.19714423	0.109194
987.009	971.434	-1.22084423	0.112884
999.474	983.85	-1.24434423	0.116614
1011.9	996.232	-1.26744423	0.120184
1024.19	1008.47	-1.29034423	0.123804
1036.2	1020.43	-1.31294423	0.127364
1047.83	1032.02	-1.33514423	0.130774
1058.97	1043.12	-1.35714423	0.134224

1069.5	1053.62	-1.37864423	0.137434
1079.34	1063.41	-1.39984423	0.140584
1088.38	1072.42	-1.42074423	0.143694
1096.55	1080.56	-1.44124423	0.146664
1103.78	1087.76	-1.46124423	0.149384
1110.01	1093.97	-1.48094423	0.152064
1115.19	1099.13	-1.50024423	0.154614
1119.31	1103.23	-1.51914423	0.157024
1122.35	1106.25	-1.53754423	0.159214
1124.29	1108.19	-1.55564423	0.161374
1125.22	1109.1	-1.57324423	0.163304
1125.01	1108.89	-1.59044423	0.165124
1123.86	1107.73	-1.60724423	0.166824
1121.75	1105.62	-1.62354423	0.168314
1118.77	1102.64	-1.63954423	0.169804
1114.99	1098.86	-1.65504423	0.171084
1110.49	1094.37	-1.67024423	0.172374
1105.37	1089.26	-1.68504423	0.173574
1099.73	1083.63	-1.69934423	0.174574
1093.67	1077.58	-1.71334423	0.175604
1087.31	1071.23	-1.72694423	0.176544
1080.74	1064.68	-1.74024423	0.177524
1074.09	1058.04	-1.75314423	0.178414
1067.45	1051.42	-1.76564423	0.179244
1060.94	1044.92	-1.77784423	0.180114
1054.64	1038.64	-1.78974423	0.181014
1048.66	1032.67	-1.80124423	0.181854
1043.07	1027.1	-1.81254423	0.182844
1037.95	1022	-1.82344423	0.183764
1033.37	1017.43	-1.83404423	0.184734
1029.38	1013.46	-1.84434423	0.185744
1026.03	1010.12	-1.85444423	0.186904
1023.34	1007.44	-1.86414423	0.187994
1021.35	1005.46	-1.87364423	0.189234
1020.05	1004.16	-1.88284423	0.190514
1019.38	1003.51	-1.89174423	0.191834
1019.5	1003.63	-1.90044423	0.193284
1020.21	1004.35	-1.90874423	0.194664
1021.54	1005.67	-1.91684423	0.196174
1023.42	1007.56	-1.92464423	0.197714
1025.82	1009.96	-1.93224423	0.199374
1028.66	1012.79	-1.93944423	0.200944
1031.87	1016	-1.94644423	0.202634
1035.37	1019.51	-1.95314423	0.204334
1039.1	1023.23	-1.95944423	0.205934
1042.95	1027.09	-1.96554423	0.207634
1046.86	1030.99	-1.97134423	0.209334
1050.74	1034.86	-1.97684423	0.211014
1054.5	1038.62	-1.98204423	0.212694
1058.06	1042.18	-1.98684423	0.214254
1061.36	1045.47	-1.99134423	0.215794
1064.31	1048.43	-1.99564423	0.217414
1066.86	1050.98	-1.99944423	0.218804
1068.96	1053.07	-2.00304423	0.220264
1070.54	1054.66	-2.00624423	0.221584

1071.57	1055.69	-2.00914423	0.222874
1072.02	1056.14	-2.01174423	0.224134
1071.85	1055.99	-2.01394423	0.225244
1071.07	1055.21	-2.01584423	0.226324
1069.66	1053.81	-2.01734423	0.227244
1067.61	1051.78	-2.01864423	0.228234
1064.95	1049.13	-2.01954423	0.229064
1061.69	1045.88	-2.02004423	0.229754
1057.84	1042.05	-2.02034423	0.230494
1053.44	1037.68	-2.02024423	0.231074
1048.52	1032.78	-2.01984423	0.231604
1043.12	1027.41	-2.01924423	0.232174
1037.28	1021.59	-2.01824423	0.232584
1031.04	1015.38	-2.01694423	0.232924
1024.45	1008.82	-2.01544423	0.233304
1017.54	1001.95	-2.01354423	0.233514
1010.37	994.811	-2.01154423	0.233844
1002.97	987.452	-2.00914423	0.233994
995.387	979.912	-2.00654423	0.234164
987.661	972.228	-2.00374423	0.234344
979.825	964.435	-2.00064423	0.234424
971.912	956.567	-1.99734423	0.234494
963.951	948.652	-1.99384423	0.234564
955.966	940.716	-1.99014423	0.234614
947.981	932.779	-1.98634423	0.234734
940.013	924.86	-1.98224423	0.234724
932.077	916.974	-1.97804423	0.234774
924.186	909.133	-1.97364423	0.234774
916.35	901.347	-1.96904423	0.234714
908.576	893.624	-1.96444423	0.234784
900.872	885.97	-1.95954423	0.234684
893.242	878.389	-1.95464423	0.234694
885.691	870.888	-1.94964423	0.234704
878.225	863.47	-1.94444423	0.234614
870.851	856.143	-1.93914423	0.234514
863.576	848.915	-1.93384423	0.234504
856.41	841.794	-1.92844423	0.234454
849.366	834.793	-1.92294423	0.234374
842.459	827.927	-1.91744423	0.234354
835.707	821.214	-1.91184423	0.234284
829.133	814.677	-1.90624423	0.234264
822.76	808.34	-1.90054423	0.234184
816.619	802.231	-1.89484423	0.234154
810.74	796.382	-1.88914423	0.234144
805.158	790.827	-1.88344423	0.234174
799.909	785.602	-1.87774423	0.234224
795.031	780.746	-1.87204423	0.234304
790.563	776.298	-1.86624423	0.234304
786.543	772.294	-1.86054423	0.234434
783.009	768.774	-1.85484423	0.234584
779.996	765.773	-1.84924423	0.234864
777.537	763.322	-1.84354423	0.235064
775.658	761.45	-1.83794423	0.235374
774.383	760.178	-1.83244423	0.235824
773.726	759.524	-1.82684423	0.236184

773.633	759.431	-1.82134423	0.236674
774.296	760.092	-1.81584423	0.237184
775.515	761.307	-1.81044423	0.237814
777.335	763.123	-1.80504423	0.238464
779.73	765.512	-1.79964423	0.239144
782.661	768.437	-1.79424423	0.239834
786.08	771.85	-1.78894423	0.240644
789.929	775.691	-1.78354423	0.241374
794.137	779.894	-1.77824423	0.242204
798.627	784.378	-1.77294423	0.243054
803.311	789.057	-1.76764423	0.243904
808.093	793.836	-1.76234423	0.244764
812.871	798.612	-1.75704423	0.245604
817.536	803.277	-1.75174423	0.246444
821.977	807.72	-1.74644423	0.247264
826.081	811.828	-1.74104423	0.247964
829.733	815.488	-1.73564423	0.248634
832.823	818.588	-1.73014423	0.249164
835.244	821.021	-1.72474423	0.249754
836.895	822.687	-1.71924423	0.250194
837.732	823.552	-1.71364423	0.250474
837.534	823.365	-1.70804423	0.250684
836.374	822.227	-1.70234423	0.250734
834.152	820.031	-1.69674423	0.250794
830.834	816.741	-1.69094423	0.250574
826.402	812.339	-1.68524423	0.250374
820.859	806.827	-1.67944423	0.249964
814.227	800.228	-1.67354423	0.249364
806.551	792.586	-1.66774423	0.248764
797.896	783.965	-1.66194423	0.248054
788.348	774.452	-1.65604423	0.247134
778.015	764.153	-1.65024423	0.246214
767.025	753.196	-1.64444423	0.245184
755.523	741.726	-1.63874423	0.244154
743.672	729.905	-1.63304423	0.243014
731.65	717.911	-1.62734423	0.241784
719.647	705.932	-1.62184423	0.240654
707.861	694.168	-1.61644423	0.239534
696.499	682.823	-1.61104423	0.238334
685.769	672.106	-1.60584423	0.237254
675.878	662.224	-1.60084423	0.236314
667.029	653.379	-1.59584423	0.235314
659.42	645.769	-1.59114423	0.234564
653.234	639.576	-1.58654423	0.233874
648.642	634.97	-1.58214423	0.233354
645.795	632.105	-1.57794423	0.233014
644.825	631.109	-1.57394423	0.232864
645.838	632.092	-1.57004423	0.232814
648.917	635.133	-1.56644423	0.233074
654.114	640.288	-1.56294423	0.233454
661.454	647.578	-1.55964423	0.234064
670.93	657	-1.55654423	0.234904
682.505	668.515	-1.55364423	0.235984
696.11	682.055	-1.55074423	0.237124
711.649	697.523	-1.54814423	0.238624

728.992	714.792	-1.54554423	0.240184
747.985	733.708	-1.54304423	0.241904
768.449	754.089	-1.54054423	0.243714
790.178	775.735	-1.53814423	0.245694
812.952	798.421	-1.53574423	0.247754
836.53	821.911	-1.53334423	0.249904
860.659	845.951	-1.53094423	0.252144
885.078	870.281	-1.52844423	0.254364
909.522	894.634	-1.52584423	0.256594
933.721	918.746	-1.52304423	0.258704
957.414	942.351	-1.52014423	0.260824
980.342	965.194	-1.51704423	0.262834
1002.26	987.032	-1.51374423	0.264754
1022.94	1007.63	-1.51014423	0.266484
1042.17	1026.79	-1.50624423	0.268024
1059.77	1044.31	-1.50214423	0.269474
1075.57	1060.04	-1.49774423	0.270734
1089.43	1073.84	-1.49294423	0.271734
1101.25	1085.61	-1.48784423	0.272554
1110.96	1095.26	-1.48234423	0.273124
1118.52	1102.78	-1.47644423	0.273424
1123.93	1108.14	-1.47024423	0.273584
1127.2	1111.38	-1.46354423	0.273414
1128.41	1112.55	-1.45654423	0.273114
1127.65	1111.76	-1.44914423	0.272594
1125.05	1109.13	-1.44124423	0.271784
1120.76	1104.82	-1.43304423	0.270874
1114.97	1099.01	-1.42444423	0.269784
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1099.73	1083.74	-1.40614423	0.267244
1090.76	1074.76	-1.39654423	0.265914
1081.23	1065.22	-1.38644423	0.264374
1071.42	1055.39	-1.37614423	0.262924
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1052.03	1035.98	-1.35444423	0.259884
1043	1026.93	-1.34314423	0.258424
1034.76	1018.68	-1.33154423	0.257024
1027.57	1011.47	-1.31974423	0.255794
1021.64	1005.52	-1.30764423	0.254644
1017.19	1001.05	-1.29524423	0.253604
1014.4	998.236	-1.28264423	0.252774
1013.42	997.227	-1.26974423	0.252064
1014.37	998.144	-1.25664423	0.251594
1017.34	1001.07	-1.24334423	0.251358
1022.37	1006.07	-1.22974423	0.251273
1029.48	1013.13	-1.21584423	0.251344
1038.64	1022.25	-1.20174423	0.251674
1049.8	1033.36	-1.18734423	0.252169
1062.86	1046.37	-1.17274423	0.25293
1077.69	1061.14	-1.15774423	0.253758
1094.12	1077.51	-1.14244423	0.254754
1111.95	1095.29	-1.12684423	0.255917
1130.98	1114.25	-1.11084423	0.257144
1150.95	1134.16	-1.09444423	0.258432
1171.6	1154.74	-1.07764423	0.259777

1192.66	1175.74	-1.06054423	0.261276
1213.83	1196.85	-1.04284423	0.262621
1234.82	1217.78	-1.02474423	0.264009
1255.34	1238.24	-1.00614423	0.265331
1275.09	1257.94	-0.98694423	0.266483
1293.79	1276.59	-0.96724423	0.267556
1311.18	1293.93	-0.94694423	0.268444
1326.99	1309.7	-0.92614423	0.269241
1341	1323.67	-0.90464423	0.269739
1353	1335.64	-0.88264423	0.270133
1362.79	1345.41	-0.85994423	0.270216
1370.22	1352.82	-0.83654423	0.269983
1375.16	1357.75	-0.81254423	0.269529
1377.67	1360.27	-0.78794423	0.268849
1377.17	1359.78	-0.76264423	0.26784
1374.13	1356.77	-0.73664423	0.266499
1368.38	1351.05	-0.71004423	0.264922
1359.94	1342.64	-0.68284423	0.263108
1348.85	1331.61	-0.65494423	0.260955
1335.21	1318.03	-0.62654423	0.258662
1319.12	1302.01	-0.59744423	0.256027
1300.72	1283.69	-0.56784423	0.253249
1280.18	1263.23	-0.53764423	0.250229
1257.68	1240.82	-0.50704423	0.247165
1233.42	1216.67	-0.47584423	0.243855
1207.64	1190.99	-0.44424423	0.2405
1180.57	1164.03	-0.41224423	0.237097
1152.46	1136.04	-0.37984423	0.233645
1123.56	1107.26	-0.34704423	0.230139
1094.14	1077.97	-0.31404423	0.226778
1064.46	1048.41	-0.28064423	0.223357
1034.78	1018.86	-0.24704423	0.220069
1005.35	989.552	-0.21334423	0.217009
976.403	960.738	-0.17934423	0.213969
948.179	932.643	-0.14524423	0.211139
920.883	905.476	-0.11114423	0.20861
894.709	879.429	-0.07694423	0.206269
869.826	854.671	-0.04264423	0.204103
846.378	831.345	-0.00844423	0.202297
824.484	809.572	0.02585577	0.200633
804.236	789.441	0.05995577	0.199395
785.699	771.017	0.09405577	0.198361
768.907	754.334	0.12805577	0.19761
753.868	739.401	0.16185577	0.19722
740.562	726.196	0.19555577	0.197065
728.954	714.675	0.22915577	0.197119
719.086	704.827	0.26255577	0.197459
710.996	696.775	0.29575577	0.198066
704.775	690.581	0.32875577	0.198923
700.449	686.287	0.36155577	0.200012
698.014	683.88	0.39415577	0.201314
697.42	683.312	0.42655577	0.202811
698.576	684.496	0.45875577	0.204482
701.36	687.302	0.49075577	0.206309
705.609	691.575	0.52255577	0.20827

711.136	697.123	0.55415577	0.210344
717.721	703.731	0.58565577	0.21241
725.128	711.158	0.61685577	0.214646
733.098	719.15	0.64795577	0.216831
741.364	727.437	0.67885577	0.219043
749.647	735.743	0.70965577	0.22116
757.668	743.787	0.74035577	0.22316
765.15	751.294	0.77085577	0.225123
771.824	757.995	0.80125577	0.226924
777.433	763.635	0.83155577	0.228554
781.74	767.974	0.86185577	0.229884
784.528	770.798	0.89195577	0.231104
785.607	771.917	0.92195577	0.232094
784.817	771.17	0.95195577	0.232734
782.03	768.43	0.98175577	0.233214
777.156	763.607	1.01155577	0.233324
770.14	756.646	1.04125577	0.233144
760.967	747.531	1.07075577	0.232774
749.66	736.287	1.10025577	0.232004
736.283	722.976	1.12955577	0.231024
720.936	707.698	1.15875577	0.229744
703.757	690.591	1.18775577	0.228234
684.917	671.825	1.21655577	0.226514
664.618	651.602	1.24515577	0.224574
643.091	630.152	1.27355577	0.222414
620.589	607.728	1.30175577	0.220044
597.385	584.603	1.32955577	0.217654
573.766	561.063	1.35715577	0.215064
550.028	537.403	1.38435577	0.212454
526.471	513.923	1.41125577	0.209754
503.392	490.92	1.43775577	0.207054
481.084	468.685	1.46375577	0.204464
459.823	447.494	1.48935577	0.201884
439.871	427.61	1.51455577	0.199314
421.466	409.269	1.53925577	0.196874
404.819	392.682	1.56335577	0.194644
390.111	378.031	1.58695577	0.192544
377.486	365.459	1.61005577	0.190564
367.056	355.077	1.63265577	0.188714
358.888	346.953	1.65455577	0.187184
353.012	341.117	1.67595577	0.185764
349.415	337.557	1.69675577	0.184574
348.046	336.22	1.71705577	0.183484
348.81	337.012	1.73665577	0.182714
351.577	339.804	1.75565577	0.182124
356.182	344.43	1.77415577	0.181634
362.427	350.693	1.79205577	0.181324
370.086	358.367	1.80945577	0.181084
378.911	367.205	1.82625577	0.180994
388.636	376.94	1.84255577	0.180964
398.982	387.295	1.85825577	0.181064
409.664	397.983	1.87345577	0.181194
420.394	408.718	1.88825577	0.181234
430.89	419.219	1.90245577	0.181374
440.879	429.212	1.91625577	0.181404

450.105	438.443	1.92955577	0.181424
458.332	446.673	1.94245577	0.181304
465.346	453.692	1.95485577	0.181154
470.966	459.317	1.96685577	0.180864
475.04	463.398	1.97845577	0.180424
477.454	465.819	1.98965577	0.179824
478.13	466.504	2.00045577	0.179074
477.03	465.412	2.01075577	0.178264
474.153	462.546	2.02075577	0.177204
469.541	457.945	2.03025577	0.176074
463.272	451.689	2.03945577	0.174704
455.464	443.894	2.04815577	0.173284
446.268	434.711	2.05635577	0.171824
435.867	424.322	2.06425577	0.170134
424.471	412.94	2.07155577	0.168524
412.316	400.797	2.07845577	0.166804
399.656	388.148	2.08495577	0.164974
386.758	375.26	2.09085577	0.163264
373.898	362.409	2.09625577	0.161574
361.356	349.873	2.10115577	0.159924
349.409	337.931	2.10545577	0.158424
338.327	326.85	2.10925577	0.156974
328.363	316.886	2.11245577	0.155714
319.757	308.276	2.11505577	0.154634
312.721	301.233	2.11715577	0.153644
307.444	295.946	2.11855577	0.152974
304.08	292.568	2.11935577	0.152514
302.751	291.223	2.11955577	0.152284
303.542	291.992	2.11915577	0.152274
306.495	294.922	2.11815577	0.152514
311.614	300.015	2.11655577	0.152994
318.857	307.229	2.11435577	0.153714
328.145	316.484	2.11145577	0.154784
339.354	327.659	2.10805577	0.156004
352.326	340.595	2.10415577	0.157354
366.867	355.097	2.09955577	0.159064
382.756	370.945	2.09455577	0.160804
399.742	387.889	2.08895577	0.162784
417.556	405.661	2.08285577	0.164884
435.916	423.976	2.07635577	0.167024
454.528	442.544	2.06935577	0.169274
473.096	461.068	2.06195577	0.171534
491.329	479.256	2.05415577	0.173804
508.941	496.825	2.04595577	0.176074
525.666	513.506	2.03735577	0.178344
541.253	529.051	2.02845577	0.180504
555.479	543.238	2.01925577	0.182544
568.152	555.872	2.00975577	0.184474
579.11	566.793	1.99995577	0.186284
588.229	575.878	1.98985577	0.187964
595.424	583.04	1.97955577	0.189434
600.648	588.234	1.96895577	0.190784
603.896	591.454	1.95815577	0.191914
605.201	592.733	1.94705577	0.192924
604.635	592.144	1.93575577	0.193734

602.308	589.796	1.92425577	0.194344
598.361	585.83	1.91245577	0.194864
592.966	580.419	1.90045577	0.195194
586.324	573.761	1.88825577	0.195344
578.654	566.079	1.87565577	0.195534
570.195	557.609	1.86285577	0.195574
561.198	548.602	1.84985577	0.195474
551.918	539.314	1.83645577	0.195434
542.615	530.003	1.82285577	0.195284
533.543	520.924	1.80885577	0.195224
524.946	512.322	1.79455577	0.195174
517.057	504.427	1.77995577	0.195124
510.088	497.452	1.76505577	0.195114
504.227	491.585	1.74975577	0.195224
499.638	486.99	1.73415577	0.195384
496.454	483.798	1.71815577	0.195684
494.774	482.111	1.70175577	0.196144
494.521	481.854	1.68505577	0.196664
496.164	483.483	1.66805577	0.197234
499.266	486.573	1.65055577	0.198074
503.937	491.231	1.63285577	0.198874
510.107	497.387	1.61465577	0.199934
517.676	504.941	1.59625577	0.200944
526.512	513.763	1.57745577	0.202114
536.458	523.693	1.55835577	0.203334
547.331	534.549	1.53895577	0.204604
558.927	546.129	1.51925577	0.205904
571.026	558.212	1.49925577	0.207234
583.394	570.564	1.47905577	0.208494
595.79	582.946	1.45855577	0.209764
607.971	595.114	1.43785577	0.210944
619.693	606.824	1.41695577	0.212034
630.721	617.841	1.39585577	0.213014
640.831	627.943	1.37455577	0.213894
649.815	636.919	1.35315577	0.214554
657.485	644.585	1.33155577	0.215104
663.679	650.776	1.30975577	0.215534
668.264	655.36	1.28785577	0.215754
671.136	658.234	1.26585577	0.215744
672.229	659.329	1.24365577	0.215614
671.51	658.615	1.22135577	0.215274
668.983	656.095	1.19895577	0.214724
664.693	651.812	1.17635577	0.214074
658.719	645.847	1.15375577	0.213124
651.178	638.316	1.13085577	0.212174
642.22	629.37	1.10785577	0.211054
632.029	619.19	1.08475577	0.209764
620.816	607.987	1.06145577	0.208404
608.815	595.997	1.03795577	0.207004
596.285	583.476	1.01425577	0.205574
583.495	570.694	0.99035577	0.204114
570.728	557.934	0.96615577	0.202754
558.273	545.483	0.94175577	0.201394
546.415	533.627	0.91715577	0.200044
535.438	522.648	0.89215577	0.198934

525.612	512.817	0.86695577	0.197864
517.192	504.389	0.84145577	0.196954
510.414	497.597	0.81565577	0.196214
505.487	492.652	0.78955577	0.195642
502.594	489.736	0.76305577	0.195362
501.885	488.998	0.73635577	0.19518
503.474	490.554	0.70925577	0.195302
507.442	494.482	0.68185577	0.195637
513.83	500.825	0.65415577	0.19619
522.643	509.586	0.62615577	0.196968
533.845	520.732	0.59785577	0.197974
547.367	534.191	0.56935577	0.199113
563.103	549.857	0.54055577	0.200488
580.913	567.593	0.51145577	0.2021
600.631	587.23	0.48215577	0.203852
622.062	608.576	0.45275577	0.205644
644.994	631.415	0.42315577	0.207579
669.219	655.527	0.39335577	0.209659
694.509	680.714	0.36355577	0.211692
720.636	706.735	0.33365577	0.213783
747.335	733.333	0.30365577	0.215939
774.321	760.221	0.27365577	0.218067
801.29	787.097	0.24375577	0.220071
827.922	813.64	0.21385577	0.222056
853.894	839.527	0.18405577	0.22393
878.879	864.433	0.15435577	0.225695
902.561	888.041	0.12485577	0.227259
924.638	910.048	0.09545577	0.228727
944.829	930.174	0.06635577	0.229904
962.884	948.169	0.03745577	0.230897
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991.759	976.938	-0.01964423	0.232258
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1017.29	1002.31	-0.13034423	0.232018
1016.71	1001.71	-0.15724423	0.231355
1013.6	998.581	-0.18384423	0.230485
1008.06	993.018	-0.21014423	0.229421
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966.085	951.009	-0.31264423	0.223845
952.1	937.022	-0.33754423	0.222154
937.393	922.314	-0.36234423	0.220569
922.327	907.249	-0.38684423	0.218909
907.275	892.196	-0.41124423	0.21739
892.604	877.526	-0.43544423	0.215932
878.676	863.597	-0.45944423	0.21455
865.836	850.754	-0.48334423	0.213362
854.406	839.32	-0.50724423	0.212482
844.681	829.588	-0.53094423	0.211726
836.923	821.819	-0.55454423	0.211207
831.353	816.235	-0.57804423	0.210935
828.151	813.015	-0.60154423	0.211022

827.451	812.293	-0.62494423	0.211376
829.34	814.157	-0.64834423	0.212105
833.856	818.643	-0.67164423	0.213112
840.987	825.741	-0.69484423	0.214401
850.672	835.388	-0.71794423	0.215973
862.803	847.478	-0.74104423	0.217928
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893.74	878.324	-0.78674423	0.222476
912.111	896.646	-0.80944423	0.225158
932.068	916.552	-0.83194423	0.228003
953.307	937.738	-0.85424423	0.231003
975.504	959.881	-0.87634423	0.234147
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1021.37	1005.64	-0.91984423	0.240725
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1127.86	1111.9	-1.02284423	0.256609
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1160.07	1144.04	-1.06134423	0.262074
1172.81	1156.76	-1.07984423	0.264399
1183.04	1166.97	-1.09794423	0.26654
1190.6	1174.51	-1.11554423	0.26839
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1197.32	1181.21	-1.14934423	0.27129
1196.41	1180.31	-1.16544423	0.272234
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1165.91	1149.85	-1.22504423	0.27316
1152.37	1136.33	-1.23884423	0.272796
1136.95	1120.93	-1.25214423	0.272147
1119.94	1103.95	-1.26504423	0.271322
1101.68	1085.71	-1.27754423	0.270334
1082.52	1066.58	-1.28964423	0.269184
1062.84	1046.93	-1.30144423	0.267994
1043.03	1027.14	-1.31294423	0.266784
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1004.53	988.693	-1.33494423	0.264214
986.621	970.799	-1.34564423	0.263094
970.08	954.274	-1.35604423	0.261994
955.249	939.456	-1.36624423	0.261034
942.435	926.652	-1.37624423	0.260234
931.911	916.132	-1.38604423	0.259584
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916.687	900.878	-1.42394423	0.259514
920.17	904.341	-1.43304423	0.260104
926.617	910.762	-1.44194423	0.260904
935.956	920.073	-1.45074423	0.262004
948.068	932.15	-1.45934423	0.263304
962.777	946.821	-1.46784423	0.264904
979.864	963.867	-1.47604423	0.266604

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1066.12	1049.94	-1.50674423	0.275144
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1114.98	1098.7	-1.52014423	0.279664
1139.45	1123.12	-1.52634423	0.281934
1163.38	1147.01	-1.53214423	0.284134
1186.36	1169.95	-1.53754423	0.286254
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1227.89	1211.41	-1.54674423	0.289814
1245.71	1229.19	-1.55064423	0.291334
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1273.81	1257.26	-1.55674423	0.293494
1283.57	1267.01	-1.55894423	0.294124
1290.2	1273.64	-1.56054423	0.294424
1293.54	1276.98	-1.56154423	0.294374
1293.95	1277.4	-1.56204423	0.294074
1290.07	1273.53	-1.56184423	0.293324
1283.23	1266.72	-1.56114423	0.292334
1273.09	1256.61	-1.55974423	0.290894
1259.76	1243.32	-1.55784423	0.289214
1243.44	1227.04	-1.55544423	0.287294
1224.37	1208.02	-1.55244423	0.285044
1202.84	1186.53	-1.54894423	0.282574
1179.18	1162.93	-1.54494423	0.279874
1153.77	1137.57	-1.54054423	0.277084
1127.02	1110.88	-1.53574423	0.274184
1099.36	1083.28	-1.53044423	0.271104
1071.24	1055.21	-1.52484423	0.268044
1043.12	1027.16	-1.51894423	0.265024
1015.47	999.562	-1.51274423	0.262044
988.739	972.887	-1.50624423	0.259134
963.368	947.569	-1.49964423	0.256474
939.772	924.022	-1.49274423	0.253894
918.331	902.628	-1.48574423	0.251604
899.391	883.729	-1.47854423	0.249504
883.248	867.623	-1.47124423	0.247694
870.149	854.557	-1.46394423	0.246284
860.286	844.721	-1.45644423	0.245074
853.791	838.247	-1.44894423	0.244264
850.504	834.981	-1.44144423	0.243854
851.13	835.611	-1.43384423	0.243734
854.918	839.404	-1.42614423	0.243914
861.987	846.472	-1.41844423	0.244464
872.162	856.641	-1.41064423	0.245294
885.214	869.682	-1.40274423	0.246384
900.86	885.313	-1.39484423	0.247824
918.774	903.206	-1.38674423	0.249384
938.585	922.995	-1.37854423	0.251174
959.893	944.278	-1.37024423	0.253164
982.267	966.625	-1.36164423	0.255134
1005.26	989.591	-1.35294423	0.257264
1028.41	1012.72	-1.34394423	0.259354
1051.27	1035.54	-1.33464423	0.261364

1073.36	1057.61	-1.32514423	0.263374
1094.26	1078.48	-1.31524423	0.265194
1113.53	1097.73	-1.30504423	0.266874
1130.79	1114.98	-1.29444423	0.268314
1145.67	1129.85	-1.28354423	0.269604
1157.87	1142.05	-1.27214423	0.270514
1167.12	1151.29	-1.26034423	0.271149
1173.19	1157.36	-1.24814423	0.271484
1176.01	1160.2	-1.23544423	0.271415
1175.22	1159.42	-1.22234423	0.271033
1171.03	1155.26	-1.20884423	0.270333
1163.36	1147.62	-1.19484423	0.269211
1152.3	1136.6	-1.18054423	0.267864
1137.97	1122.31	-1.16574423	0.266092
1120.55	1104.95	-1.15054423	0.263996
1100.28	1084.74	-1.13494423	0.261578
1077.45	1061.97	-1.11904423	0.258941
1052.37	1036.96	-1.10284423	0.256092
1025.41	1010.08	-1.08634423	0.253035
996.963	981.701	-1.06964423	0.249878
967.431	952.248	-1.05274423	0.246627
937.245	922.143	-1.03564423	0.243291
906.839	891.821	-1.01834423	0.239875
876.65	861.714	-1.00094423	0.236489
847.103	832.25	-0.98354423	0.233237
818.611	803.84	-0.96604423	0.230027
791.563	776.872	-0.94864423	0.227064
766.319	751.707	-0.93124423	0.224251
743.206	728.668	-0.91384423	0.221591
722.508	708.041	-0.89664423	0.219284
704.461	690.061	-0.87944423	0.217131
689.255	674.918	-0.86244423	0.215329
677.024	662.746	-0.84564423	0.213873
667.847	653.623	-0.82894423	0.212656
661.747	647.572	-0.81254423	0.21187
658.689	644.559	-0.79624423	0.211305
658.274	644.164	-0.78014423	0.211047
661.28	647.225	-0.76424423	0.211082
666.585	652.562	-0.74854423	0.211394
674.252	660.258	-0.73304423	0.211963
683.992	670.023	-0.71774423	0.212771
695.477	681.53	-0.70254423	0.213696
708.348	694.421	-0.68754423	0.214815
722.22	708.313	-0.67264423	0.216005
736.69	722.801	-0.65794423	0.217342
751.347	737.476	-0.64324423	0.218601
765.775	751.921	-0.62864423	0.219859
779.564	765.729	-0.61404423	0.22099
792.318	778.504	-0.59964423	0.222172
803.662	789.87	-0.58514423	0.22308
813.249	799.481	-0.57074423	0.223892
820.766	807.025	-0.55624423	0.224389
825.942	812.23	-0.54184423	0.224752
828.549	814.871	-0.52734423	0.224762
828.833	815.173	-0.51294423	0.224606

825.414	811.812	-0.49844423	0.224069
819.485	805.927	-0.48394423	0.223242
810.62	797.109	-0.46944423	0.222115
798.87	785.41	-0.45494423	0.220684
784.344	770.938	-0.44044423	0.218945
767.207	753.858	-0.42604423	0.216996
747.675	734.385	-0.41164423	0.214739
726.015	712.787	-0.39734423	0.212277
702.536	689.37	-0.38324423	0.209715
677.585	664.483	-0.36914423	0.206861
651.542	638.504	-0.35524423	0.203922
624.808	611.834	-0.34164423	0.201009
597.803	584.892	-0.32814423	0.197931
570.954	558.106	-0.31494423	0.194901
544.69	531.901	-0.30214423	0.192029
519.429	506.698	-0.28954423	0.189127
495.574	482.898	-0.27734423	0.186406
473.504	460.88	-0.26554423	0.183876
453.568	440.992	-0.25414423	0.181547
436.075	423.542	-0.24314423	0.179426
421.289	408.795	-0.23264423	0.17762
409.428	396.967	-0.22254423	0.176034
400.652	388.22	-0.21304423	0.174871
395.067	382.659	-0.20394423	0.173932
392.721	380.332	-0.19534423	0.173316
393.601	381.225	-0.18734423	0.17312
397.633	385.266	-0.17974423	0.173137
404.689	392.325	-0.17274423	0.173562
414.584	402.218	-0.16614423	0.174184
427.079	414.707	-0.16004423	0.175093
441.893	429.51	-0.15444423	0.176275
458.7	446.304	-0.14924423	0.177616
477.143	464.728	-0.14444423	0.179101
496.834	484.398	-0.14004423	0.180715
517.368	504.909	-0.13604423	0.182441
538.33	525.845	-0.13244423	0.184261
559.299	546.788	-0.12904423	0.18596
579.863	567.323	-0.12604423	0.187722
599.623	587.054	-0.12334423	0.189432
618.203	605.604	-0.12074423	0.190875
635.255	622.627	-0.11854423	0.192341
650.472	637.814	-0.11644423	0.193518
663.587	650.901	-0.11454423	0.194498
674.384	661.67	-0.11284423	0.195276
682.699	669.959	-0.11124423	0.195748
688.425	675.661	-0.10984423	0.196013
691.515	678.727	-0.10864423	0.196073
692.071	679.273	-0.10744423	0.195733
689.883	677.053	-0.10644423	0.1952
685.357	672.509	-0.10564423	0.194485
678.582	665.716	-0.10494423	0.193499
669.789	656.906	-0.10434423	0.192258
659.252	646.355	-0.10394423	0.190877
647.289	634.377	-0.10374423	0.189377
634.247	621.321	-0.10374423	0.187778

620.501	607.559	-0.10394423	0.1861
606.44	593.484	-0.10434423	0.184366
592.466	579.494	-0.10504423	0.1827
578.98	565.99	-0.10594423	0.181024
566.376	553.366	-0.10704423	0.179361
555.033	542.001	-0.10854423	0.177935
545.306	532.251	-0.11034423	0.176667
537.524	524.441	-0.11244423	0.175578
531.975	518.86	-0.11484423	0.174689
528.906	515.756	-0.11754423	0.174016
528.367	515.198	-0.12064423	0.173677
530.965	517.731	-0.12404423	0.173586
536.338	523.056	-0.12784423	0.173857
544.68	531.345	-0.13184423	0.174301
555.977	542.583	-0.13624423	0.175125
570.158	556.701	-0.14094423	0.176238
587.099	573.574	-0.14594423	0.177644
606.624	593.027	-0.15114423	0.179248
628.51	614.837	-0.15664423	0.18115
652.492	638.738	-0.16234423	0.183251
678.264	664.427	-0.16814423	0.18545
705.491	691.568	-0.17424423	0.187946
733.811	719.799	-0.18034423	0.190436
762.845	748.743	-0.18654423	0.193015
792.202	778.008	-0.19284423	0.195682
821.489	807.202	-0.19914423	0.198333
850.314	835.936	-0.20544423	0.200964
878.302	863.832	-0.21164423	0.203473
905.091	890.532	-0.21774423	0.205859
930.349	915.701	-0.22374423	0.20812
953.772	939.038	-0.22964423	0.210257
975.094	960.278	-0.23524423	0.212073
994.094	979.199	-0.24074423	0.213769
1010.59	995.625	-0.24594423	0.215153
1024.47	1009.43	-0.25094423	0.21633
1035.64	1020.54	-0.25574423	0.21731
1044.09	1028.93	-0.26014423	0.217903
1049.85	1034.63	-0.26434423	0.218321
1053	1037.72	-0.26824423	0.218479
1053.66	1038.34	-0.27174423	0.218293
1052.01	1036.64	-0.27504423	0.217979
1048.26	1032.85	-0.27804423	0.217456
1042.67	1027.22	-0.28074423	0.216744
1035.5	1020.02	-0.28304423	0.215764
1027.08	1011.57	-0.28524423	0.214836
1017.73	1002.19	-0.28704423	0.213684
1007.78	992.212	-0.28864423	0.212529
997.581	981.985	-0.28994423	0.211293
987.474	971.853	-0.29104423	0.210098
977.8	962.153	-0.29194423	0.208966
968.882	953.21	-0.29264423	0.207917
961.027	945.328	-0.29314423	0.206971
954.517	938.79	-0.29344423	0.206147
949.602	933.847	-0.29354423	0.205462
946.502	930.716	-0.29354423	0.205033

945.396	929.577	-0.29324423	0.204673
946.421	930.568	-0.29284423	0.204595
949.674	933.784	-0.29234423	0.204809
955.203	939.273	-0.29154423	0.205126
963.013	947.04	-0.29064423	0.205752
973.06	957.043	-0.28954423	0.206592
985.257	969.193	-0.28824423	0.20765
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1015.54	999.374	-0.28494423	0.210325
1033.24	1017.03	-0.28284423	0.21184
1052.34	1036.07	-0.28064423	0.213671
1072.57	1056.24	-0.27804423	0.215513
1093.62	1077.24	-0.27514423	0.21746
1115.18	1098.75	-0.27184423	0.219408
1136.93	1120.44	-0.26824423	0.221447
1158.53	1141.99	-0.26414423	0.223372
1179.64	1163.06	-0.25974423	0.225374
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1252.78	1236.03	-0.23714423	0.231988
1266.77	1249.99	-0.23014423	0.233155
1278.55	1261.74	-0.22274423	0.234253
1287.93	1271.1	-0.21464423	0.234978
1294.74	1277.9	-0.20604423	0.235523
1298.89	1282.03	-0.19674423	0.235686
1300.28	1283.43	-0.18694423	0.235664
1298.91	1282.06	-0.17654423	0.235354
1294.78	1277.95	-0.16554423	0.234757
1287.96	1271.14	-0.15394423	0.233872
1278.55	1261.75	-0.14184423	0.232801
1266.69	1249.92	-0.12914423	0.231446
1252.57	1235.83	-0.11584423	0.229811
1236.4	1219.7	-0.10204423	0.228
1218.43	1201.78	-0.08774423	0.226018
1198.94	1182.33	-0.07294423	0.223869
1178.22	1161.66	-0.05774423	0.221661
1156.58	1140.09	-0.04214423	0.219398
1134.36	1117.92	-0.02604423	0.216987
1111.88	1095.5	-0.00954423	0.214534
1089.47	1073.15	0.00725577	0.212144
1067.45	1051.19	0.02435577	0.209823
1046.14	1029.94	0.04175577	0.207576
1025.83	1009.69	0.05945577	0.205405
1006.79	990.702	0.07735577	0.203414
989.26	973.232	0.09555577	0.201504
973.46	957.487	0.11385577	0.199875
959.564	943.643	0.13235577	0.198427
947.71	931.839	0.15105577	0.197157
937.998	922.173	0.16985577	0.19616
930.484	914.702	0.18885577	0.195331
925.181	909.441	0.20785577	0.194861
922.062	906.359	0.22705577	0.194543
921.054	905.386	0.24635577	0.194465
922.047	906.411	0.26575577	0.194616

924.89	909.284	0.28535577	0.19488
929.398	913.818	0.30495577	0.195444
935.351	919.797	0.32465577	0.196191
942.505	926.975	0.34455577	0.197003
950.589	935.083	0.36455577	0.197961
959.313	943.831	0.38475577	0.198947
968.37	952.912	0.40505577	0.20004
977.445	962.013	0.42555577	0.201118
986.218	970.814	0.44615577	0.202261
994.37	978.996	0.46695577	0.203347
1001.59	986.249	0.48795577	0.204354
1007.58	992.275	0.50925577	0.205161
1012.06	996.796	0.53065577	0.205946
1014.78	999.555	0.55225577	0.206588
1015.5	1000.33	0.57415577	0.206968
1014.03	998.918	0.59625577	0.207167
1010.23	995.169	0.61845577	0.207266
1003.96	988.965	0.64095577	0.207048
995.154	980.229	0.66365577	0.206596
983.781	968.931	0.68655577	0.205897
969.853	955.082	0.70955577	0.205037
953.427	938.741	0.73275577	0.203903
934.605	920.008	0.75615577	0.202485
913.529	899.026	0.77955577	0.200974
890.383	875.978	0.80305577	0.199264
865.386	851.082	0.82665577	0.197334
838.789	824.589	0.85035577	0.195194
810.872	796.778	0.87395577	0.193034
781.935	767.95	0.89755577	0.190754
752.3	738.425	0.92105577	0.188434
722.297	708.532	0.94435577	0.186184
692.262	678.609	0.96765577	0.183804
662.531	648.989	0.99075577	0.181474
633.434	620.001	1.01355577	0.179304
605.285	591.961	1.03615577	0.177184
578.384	565.167	1.05845577	0.175214
553.004	539.891	1.08045577	0.173384
529.388	516.377	1.10215577	0.171694
507.749	494.836	1.12345577	0.170224
488.259	475.442	1.14435577	0.168984
471.052	458.326	1.16475577	0.168044
456.216	443.578	1.18475577	0.167304
443.797	431.243	1.20435577	0.166754
433.794	421.321	1.22345577	0.166464
426.162	413.765	1.24205577	0.166434
420.811	408.486	1.26025577	0.166544
417.607	405.351	1.27785577	0.166964
416.378	404.188	1.29505577	0.167494
416.916	404.789	1.31165577	0.168294
418.98	406.913	1.32785577	0.169144
422.302	410.292	1.34345577	0.170224
426.592	414.638	1.35865577	0.171314
431.546	419.646	1.37335577	0.172494
436.849	425.001	1.38755577	0.173724
442.183	430.386	1.40135577	0.174884

447.235	435.488	1.41465577	0.176054
451.7	440.004	1.42745577	0.177214
455.291	443.645	1.43985577	0.178234
457.744	446.149	1.45185577	0.179094
458.823	447.278	1.46335577	0.179874
458.325	446.831	1.47445577	0.180464
456.085	444.643	1.48505577	0.180934
451.979	440.589	1.49535577	0.181064
445.929	434.592	1.50505577	0.181164
437.9	426.617	1.51445577	0.180904
427.909	416.681	1.52335577	0.180474
416.018	404.844	1.53175577	0.179884
402.335	391.216	1.53965577	0.179114
387.014	375.95	1.54705577	0.178174
370.252	359.242	1.55395577	0.177044
352.282	341.326	1.56035577	0.175754
333.372	322.468	1.56625577	0.174284
313.818	302.964	1.57145577	0.172854
293.937	283.132	1.57615577	0.171254
274.064	263.305	1.58015577	0.169714
254.541	243.825	1.58355577	0.168124
235.711	225.035	1.58625577	0.166604
217.914	207.273	1.58825577	0.165154
201.474	190.864	1.58955577	0.163794
186.696	176.113	1.59005577	0.162624
173.859	163.297	1.58995577	0.161454
163.209	152.662	1.58895577	0.160594
154.951	144.415	1.58725577	0.159844
149.249	138.718	1.58475577	0.159324
146.217	135.686	1.58135577	0.159124
145.725	135.192	1.57725577	0.159044
148.369	137.822	1.57235577	0.159204
153.522	142.959	1.56665577	0.159594
161.285	150.7	1.56015577	0.160204
171.512	160.9	1.55295577	0.160944
184.011	173.368	1.54485577	0.162004
198.549	187.869	1.53605577	0.163174
214.856	204.134	1.52655577	0.164454
232.633	221.865	1.51635577	0.165844
251.56	240.743	1.50545577	0.167324
271.306	260.436	1.49385577	0.168894
291.532	280.605	1.48155577	0.170554
311.902	300.916	1.46875577	0.172084
332.091	321.044	1.45535577	0.173584
351.791	340.681	1.44135577	0.175054
370.717	359.542	1.42675577	0.176484
388.61	377.371	1.41175577	0.177674
405.244	393.941	1.39615577	0.178824
420.429	409.061	1.38015577	0.179744
434.009	422.578	1.36365577	0.180524
445.867	434.372	1.34675577	0.181084
455.922	444.365	1.32945577	0.181424
464.13	452.513	1.31175577	0.181544
470.486	458.809	1.29355577	0.181574
475.021	463.287	1.27505577	0.181324

477.808	466.019	1.25615577	0.180904
478.964	467.114	1.23685577	0.180334
478.621	466.725	1.21715577	0.179634
476.984	465.038	1.19715577	0.178724
474.271	462.275	1.17675577	0.177734
470.733	458.692	1.15595577	0.176674
466.65	454.564	1.13485577	0.175484
462.32	450.189	1.11325577	0.174384
458.048	445.873	1.09135577	0.173194
454.142	441.922	1.06895577	0.172144
450.904	438.636	1.04625577	0.171054
448.617	436.299	1.02315577	0.170064
447.538	435.139	0.99965577	0.169184
447.921	435.493	0.97575577	0.168444
449.947	437.459	0.95145577	0.167864
453.788	441.236	0.92675577	0.167474
459.57	446.95	0.90165577	0.167284
467.379	454.687	0.87615577	0.167324
477.26	464.492	0.85035577	0.167504
489.218	476.37	0.82415577	0.167952
503.217	490.287	0.79765577	0.168572
519.185	506.168	0.77085577	0.169384
537.011	523.905	0.74365577	0.170501
556.552	543.354	0.71625577	0.171735
577.635	564.344	0.68865577	0.173098
600.062	586.676	0.66075577	0.174701
623.611	610.129	0.63265577	0.176454
648.044	634.465	0.60445577	0.178265
673.109	659.434	0.57605577	0.180245
698.546	684.775	0.54755577	0.182302
724.092	710.225	0.51895577	0.184445
749.482	735.522	0.49035577	0.186583
774.461	760.409	0.46175577	0.188724
798.783	784.641	0.43315577	0.190877
822.221	807.99	0.40455577	0.193054
844.572	830.253	0.37605577	0.195165
865.658	851.255	0.34775577	0.197123
885.327	870.842	0.31945577	0.19914
903.452	888.889	0.29135577	0.20103
919.934	905.296	0.26345577	0.202805
934.703	919.992	0.23575577	0.20448
947.715	932.935	0.20825577	0.206069
958.955	944.11	0.18095577	0.207585
968.437	953.529	0.15395577	0.208943
976.198	961.23	0.12715577	0.210258
982.302	967.279	0.10065577	0.211443
986.84	971.764	0.07435577	0.212613
989.923	974.796	0.04835577	0.213684
991.683	976.509	0.02265577	0.214669
992.271	977.052	-0.00274423	0.215583
991.851	976.591	-0.02794423	0.21654
990.6	975.301	-0.05284423	0.217453
988.7	973.365	-0.07744423	0.218337
986.34	970.971	-0.10174423	0.219203
983.707	968.305	-0.12584423	0.220164

980.983	965.55	-0.14964423	0.221131
978.348	962.884	-0.17324423	0.222215
975.972	960.478	-0.19654423	0.223326
974.02	958.494	-0.21964423	0.224571
972.644	957.087	-0.24244423	0.225859
971.964	956.357	-0.26504423	0.227297
972.168	956.544	-0.28734423	0.228788
973.299	957.641	-0.30944423	0.230438
975.467	959.773	-0.33134423	0.232248
978.734	963.005	-0.35294423	0.23412
983.141	967.375	-0.37424423	0.236055
988.703	972.901	-0.39534423	0.238151
995.408	979.569	-0.41624423	0.240407
1003.22	987.342	-0.43684423	0.242718
1012.07	996.157	-0.45714423	0.245082
1021.87	1005.93	-0.47724423	0.247592
1032.52	1016.54	-0.49694423	0.250044
1043.87	1027.86	-0.51634423	0.252529
1055.78	1039.73	-0.53554423	0.255142
1068.07	1051.99	-0.55434423	0.257674
1080.56	1064.45	-0.57274423	0.260117
1093.03	1076.9	-0.59084423	0.262563
1105.3	1089.14	-0.60854423	0.264903
1117.14	1100.96	-0.62584423	0.267128
1128.35	1112.15	-0.64274423	0.26923
1138.72	1122.5	-0.65924423	0.271201
1148.06	1131.83	-0.67534423	0.273033
1156.18	1139.93	-0.69104423	0.274717
1162.91	1146.66	-0.70624423	0.276148
1168.1	1151.86	-0.72094423	0.277319
1171.65	1155.4	-0.73524423	0.278325
1173.44	1157.2	-0.74904423	0.279061
1173.65	1157.42	-0.76244423	0.279624
1171.5	1155.28	-0.77534423	0.27991
1167.72	1151.52	-0.78774423	0.279919
1162.07	1145.9	-0.79974423	0.27975
1154.62	1138.48	-0.81134423	0.279403
1145.44	1129.33	-0.82244423	0.278779
1134.64	1118.56	-0.83304423	0.27788
1122.36	1106.31	-0.84334423	0.27691
1108.76	1092.75	-0.85324423	0.275771
1094.01	1078.05	-0.86274423	0.274469
1078.33	1062.41	-0.87184423	0.273007
1061.93	1046.05	-0.88064423	0.271492
1045.04	1029.21	-0.88914423	0.269927
1027.89	1012.11	-0.89734423	0.268319
1010.73	994.989	-0.90524423	0.266674
993.783	978.093	-0.91284423	0.264994
977.292	961.65	-0.92034423	0.263487
961.478	945.883	-0.92754423	0.261955
946.548	930.999	-0.93454423	0.260502
932.694	917.189	-0.94134423	0.25913
920.083	904.622	-0.94794423	0.257841
908.859	893.441	-0.95454423	0.256834
899.14	883.762	-0.96094423	0.25591

891.009	875.67	-0.96714423	0.255066
884.521	869.219	-0.97334423	0.254498
879.696	864.429	-0.97934423	0.254
876.521	861.288	-0.98534423	0.253767
874.948	859.747	-0.99124423	0.25369
874.738	859.554	-0.99704423	0.253758
876.255	861.116	-1.00264423	0.253862
878.882	863.771	-1.00824423	0.254188
882.607	867.525	-1.01374423	0.254622
887.238	872.184	-1.01924423	0.255248
892.562	877.535	-1.02454423	0.255852
898.35	883.351	-1.02964423	0.256414
904.358	889.388	-1.03474423	0.257117
910.339	895.399	-1.03974423	0.257842
916.038	901.129	-1.04454423	0.258471
921.203	906.329	-1.04914423	0.258983
925.589	910.751	-1.05374423	0.25956
928.961	914.161	-1.05814423	0.259982
931.097	916.339	-1.06234423	0.26023
931.797	917.084	-1.06634423	0.260287
930.884	916.22	-1.07024423	0.260234
928.209	913.596	-1.07404423	0.260056
923.654	909.095	-1.07764423	0.259637
917.134	902.633	-1.08104423	0.258963
908.604	894.164	-1.08434423	0.258121
898.055	883.679	-1.08754423	0.257102
885.52	871.21	-1.09064423	0.255895
871.072	856.829	-1.09354423	0.254394
854.824	840.649	-1.09644423	0.252793
836.927	822.822	-1.09924423	0.250988
817.573	803.537	-1.10204423	0.249078
796.986	783.019	-1.10474423	0.246962
775.421	761.522	-1.10744423	0.244742
753.164	739.33	-1.11024423	0.242522
730.521	716.75	-1.11314423	0.240306
707.817	694.106	-1.11604423	0.238001
685.391	671.736	-1.11904423	0.235714
663.586	649.982	-1.12224423	0.233553
642.747	629.19	-1.12554423	0.231428
623.212	609.696	-1.12914423	0.229548
605.306	591.825	-1.13284423	0.227723
589.336	575.884	-1.13684423	0.226163
575.582	562.153	-1.14104423	0.224777
564.296	550.883	-1.14554423	0.223674
555.692	542.288	-1.15034423	0.222863
549.944	536.542	-1.15544423	0.222351
546.949	533.538	-1.16084423	0.222145
547.49	534.071	-1.16654423	0.222249
550.9	537.462	-1.17254423	0.222668
557.396	543.933	-1.17884423	0.223405
566.911	553.415	-1.18544423	0.224459
579.329	565.795	-1.19234423	0.225832
594.485	580.907	-1.19944423	0.22742
612.172	598.544	-1.20684423	0.229322
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654.11	640.365	-1.22234423	0.233847
677.763	663.953	-1.23024423	0.23626
702.765	688.885	-1.23844423	0.238963
728.757	714.806	-1.24664423	0.241654
755.373	741.348	-1.25504423	0.244514
782.235	768.134	-1.26334423	0.247244
808.968	794.791	-1.27174423	0.250044
835.202	820.949	-1.28014423	0.252794
860.577	846.25	-1.28844423	0.255394
884.752	870.353	-1.29674423	0.257944
907.409	892.939	-1.30484423	0.260224
928.256	913.719	-1.31294423	0.262454
947.035	932.435	-1.32074423	0.264314
963.523	948.865	-1.32844423	0.266014
977.538	962.826	-1.33584423	0.267344
988.94	974.179	-1.34314423	0.268524
997.634	982.83	-1.35014423	0.269344
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1006.75	991.876	-1.36344423	0.270144
1007.32	992.428	-1.36964423	0.270044
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984.334	969.375	-1.39224423	0.267364
973.382	958.421	-1.39724423	0.266084
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946.996	932.042	-1.40674423	0.263194
932.174	917.227	-1.41124423	0.261604
916.698	901.761	-1.41544423	0.259824
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885.121	870.21	-1.42364423	0.256404
869.684	854.787	-1.42754423	0.254694
854.908	840.026	-1.43144423	0.253144
841.093	826.226	-1.43514423	0.251574
828.516	813.664	-1.43884423	0.250184
817.428	802.588	-1.44254423	0.248974
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795.085	780.273	-1.45354423	0.246514
791.756	776.948	-1.45714423	0.246054
790.626	775.819	-1.46074423	0.245824
791.719	776.908	-1.46444423	0.245914
795.016	780.199	-1.46814423	0.246214
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828.456	813.584	-1.48274423	0.249354
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885.723	870.764	-1.49674423	0.254894
901.889	886.906	-1.50004423	0.256474
918.203	903.196	-1.50324423	0.258074
934.359	919.328	-1.50624423	0.259604
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1025.22	1010.01	-1.52304423	0.267824
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1016.72	1001.42	-1.52464423	0.265934
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979.893	964.535	-1.52044423	0.261504
968.93	953.556	-1.51874423	0.260144
957.883	942.492	-1.51694423	0.258874
947.077	931.667	-1.51494423	0.257624
936.836	921.407	-1.51274423	0.256394
927.475	912.025	-1.51034423	0.255224
919.295	903.821	-1.50774423	0.254124
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904.784	889.157	-1.49304423	0.251464
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1229.81	1213.56	-1.30374423	0.272044

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726.165	712.817	-0.41904423	0.225823
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563.571	550.76	-0.33634423	0.203825
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390.92	378.713	-0.24744423	0.179593
369.515	357.396	-0.23424423	0.176396
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335.167	323.214	-0.20944423	0.17095
322.455	310.578	-0.19784423	0.168693
312.777	300.972	-0.18694423	0.166903
306.107	294.369	-0.17654423	0.165371
302.36	290.685	-0.16674423	0.164183
301.398	289.781	-0.15764423	0.163424
303.027	291.466	-0.14914423	0.162977
307.008	295.499	-0.14124423	0.162823
313.059	301.597	-0.13384423	0.162841
320.857	309.44	-0.12714423	0.163206
330.055	318.678	-0.12104423	0.163796
340.278	328.939	-0.11544423	0.164486
351.142	339.838	-0.11044423	0.165351
362.256	350.983	-0.10604423	0.166365
373.235	361.991	-0.10214423	0.167403
383.706	372.488	-0.09874423	0.168442
393.321	382.126	-0.09584423	0.16946
401.761	390.587	-0.09344423	0.170435
408.748	397.592	-0.09154423	0.17135
414.05	402.909	-0.09014423	0.172188
417.487	406.358	-0.08914423	0.172836
418.937	407.818	-0.08864423	0.173385
418.339	407.226	-0.08864423	0.173827
415.695	404.585	-0.08904423	0.17406
411.072	399.961	-0.09004423	0.174284
404.6	393.484	-0.09134423	0.174203
396.471	385.345	-0.09324423	0.174125
386.935	375.794	-0.09564423	0.173962
376.294	365.133	-0.09844423	0.173629
364.896	353.709	-0.10184423	0.173345
353.125	341.906	-0.10574423	0.173029
341.394	330.138	-0.11024423	0.172807
330.132	318.834	-0.11524423	0.172602
319.78	308.433	-0.12084423	0.172543
310.773	299.372	-0.12694423	0.172558
303.538	292.075	-0.13374423	0.172874
298.477	286.947	-0.14114423	0.173421
295.767	284.124	-0.14904423	0.174126
296.33	284.645	-0.15764423	0.175218
299.863	288.091	-0.16684423	0.176622
306.797	294.929	-0.17664423	0.178363
317.305	305.336	-0.18694423	0.180366
331.5	319.422	-0.19794423	0.182851

349.432	337.237	-0.20944423	0.185637
371.082	358.763	-0.22154423	0.188844
396.37	383.92	-0.23414423	0.192385
425.152	412.564	-0.24714423	0.196174
457.226	444.493	-0.26064423	0.200324
492.334	479.449	-0.27454423	0.204744
530.17	517.126	-0.28884423	0.209443
570.385	557.177	-0.30334423	0.214228
612.596	599.217	-0.31824423	0.219307
656.389	642.836	-0.33324423	0.224384
701.335	687.603	-0.34844423	0.229565
746.988	733.073	-0.36374423	0.234757
792.9	778.801	-0.37914423	0.239964
838.627	824.342	-0.39454423	0.245092
883.734	869.262	-0.40984423	0.250051
927.805	913.146	-0.42494423	0.254746
970.444	955.601	-0.44004423	0.259388
1011.29	996.263	-0.45474423	0.263588
1050	1034.8	-0.46934423	0.267658
1086.3	1070.92	-0.48354423	0.271313
1119.93	1104.38	-0.49734423	0.274569
1150.68	1134.98	-0.51084423	0.277542
1178.39	1162.53	-0.52384423	0.280054
1202.95	1186.95	-0.53634423	0.282124
1224.28	1208.14	-0.54844423	0.283876
1242.35	1226.09	-0.55994423	0.285133
1257.19	1240.81	-0.57094423	0.286022
1268.84	1252.36	-0.58134423	0.286468
1277.41	1260.83	-0.59124423	0.286599
1283.01	1266.34	-0.60044423	0.286243
1285.81	1269.07	-0.60914423	0.285628
1286.22	1269.44	-0.61724423	0.284683
1283.8	1266.93	-0.62474423	0.283436
1279.44	1262.53	-0.63164423	0.281917
1273.18	1256.24	-0.63804423	0.280251
1265.29	1248.32	-0.64374423	0.278268
1256.04	1239.05	-0.64894423	0.276192
1245.71	1228.71	-0.65364423	0.274049
1234.58	1217.57	-0.65774423	0.271762
1222.93	1205.92	-0.66134423	0.269455
1211.03	1194.03	-0.66444423	0.267147
1199.13	1182.14	-0.66704423	0.264858
1187.48	1170.5	-0.66914423	0.262606
1176.31	1159.34	-0.67084423	0.260506
1165.81	1148.86	-0.67204423	0.258472
1156.17	1139.24	-0.67284423	0.256616
1147.55	1130.64	-0.67314423	0.254848
1140.09	1123.19	-0.67314423	0.253376
1133.87	1117	-0.67264423	0.252006
1128.98	1112.12	-0.67174423	0.250842
1125.46	1108.62	-0.67054423	0.249987
1123.32	1106.5	-0.66884423	0.249242
1122.56	1105.76	-0.66684423	0.248805
1123.13	1106.35	-0.66444423	0.248574
1124.97	1108.2	-0.66164423	0.248545

1127.99	1111.23	-0.65844423	0.248712
1132.08	1115.33	-0.65494423	0.249168
1137.1	1120.36	-0.65094423	0.249706
1142.92	1126.18	-0.64654423	0.250415
1149.36	1132.63	-0.64184423	0.251385
1156.26	1139.54	-0.63664423	0.252406
1163.45	1146.72	-0.63104423	0.253566
1170.72	1154	-0.62504423	0.254851
1177.91	1161.2	-0.61854423	0.25615
1184.83	1168.12	-0.61164423	0.257548
1191.3	1174.6	-0.60424423	0.258932
1197.16	1180.46	-0.59644423	0.260389
1202.25	1185.56	-0.58814423	0.261803
1206.43	1189.74	-0.57934423	0.263162
1209.57	1192.89	-0.57014423	0.264551
1211.56	1194.89	-0.56034423	0.265757
1212.31	1195.67	-0.55014423	0.266967
1211.77	1195.14	-0.53944423	0.268067
1209.88	1193.27	-0.52834423	0.269146
1206.61	1190.02	-0.51664423	0.26999
1201.98	1185.42	-0.50454423	0.270789
1196	1179.46	-0.49194423	0.271431
1188.71	1172.21	-0.47884423	0.271906
1180.18	1163.72	-0.46534423	0.272302
1170.5	1154.07	-0.45144423	0.272611
1159.77	1143.38	-0.43704423	0.272724
1148.1	1131.76	-0.42224423	0.272731
1135.63	1119.33	-0.40704423	0.272624
1122.51	1106.26	-0.39144423	0.272395
1108.88	1092.68	-0.37554423	0.272137
1094.91	1078.76	-0.35924423	0.271743
1080.76	1064.66	-0.34264423	0.271304
1066.6	1050.54	-0.32574423	0.270814
1052.58	1036.58	-0.30854423	0.270267
1038.87	1022.92	-0.29104423	0.269655
1025.61	1009.71	-0.27334423	0.269072
1012.96	997.104	-0.25534423	0.268411
1001.03	985.223	-0.23714423	0.267766
989.942	974.185	-0.21874423	0.267128
979.8	964.088	-0.20004423	0.266393
970.684	955.016	-0.18124423	0.265751
962.659	947.032	-0.16234423	0.265196
955.769	940.181	-0.14314423	0.264519
950.04	934.488	-0.12394423	0.264014
945.475	929.958	-0.10444423	0.263373
942.061	926.576	-0.08494423	0.262886
939.761	924.306	-0.06524423	0.262346
938.523	923.095	-0.04534423	0.261744
938.276	922.866	-0.02544423	0.261272
938.932	923.553	-0.00534423	0.260721
940.391	925.032	0.01495577	0.260084
942.538	927.199	0.03525577	0.259551
945.252	929.93	0.05575577	0.258916
948.4	933.094	0.07635577	0.258269
951.848	936.557	0.09715577	0.257505

955.462	940.182	0.11805577	0.256716
959.128	943.846	0.13905577	0.255897
962.738	947.458	0.16025577	0.254948
966.197	950.921	0.18165577	0.253867
969.405	954.135	0.20315577	0.252755
972.259	956.998	0.22485577	0.251511
974.656	959.408	0.24665577	0.250236
976.494	961.26	0.26865577	0.248831
977.671	962.455	0.29085577	0.247299
978.09	962.897	0.31315577	0.245741
977.664	962.494	0.33575577	0.243959
976.31	961.169	0.35835577	0.242258
973.96	958.85	0.38125577	0.24034
970.559	955.482	0.40425577	0.238409
966.067	951.025	0.42745577	0.23637
960.459	945.456	0.45075577	0.234328
953.733	938.769	0.47415577	0.232287
945.903	930.981	0.49775577	0.230152
937.003	922.124	0.52145577	0.228028
927.089	912.254	0.54535577	0.225821
916.233	901.444	0.56925577	0.223734
904.529	889.786	0.59325577	0.221672
892.085	877.389	0.61735577	0.219639
879.024	864.376	0.64155577	0.217638
865.483	850.884	0.66575577	0.215772
851.608	837.057	0.68995577	0.214042
837.551	823.047	0.71425577	0.212349
823.466	809.012	0.73845577	0.210892
809.511	795.105	0.76265577	0.209569
795.836	781.479	0.78675577	0.208477
782.586	768.278	0.81085577	0.207514
769.894	755.635	0.83485577	0.206764
757.879	743.67	0.85885577	0.206124
746.644	732.485	0.88265577	0.205794
736.271	722.162	0.90635577	0.205644
726.82	712.762	0.92995577	0.205664
718.326	704.321	0.95335577	0.205944
710.799	696.848	0.97665577	0.206354
704.224	690.328	0.99975577	0.206984
698.556	684.717	1.02265577	0.207814
693.725	679.946	1.04545577	0.208704
689.636	675.919	1.06805577	0.209734
686.166	672.514	1.09045577	0.210874
683.172	669.587	1.11265577	0.212094
680.488	666.974	1.13475577	0.213264
677.931	664.492	1.15655577	0.214554
675.305	661.944	1.17815577	0.215814
672.404	659.124	1.19965577	0.216924
669.014	655.82	1.22085577	0.218054
664.923	651.817	1.24195577	0.218944
659.921	646.907	1.26275577	0.219784
653.809	640.891	1.28335577	0.220424
646.402	633.582	1.30375577	0.220834
637.535	624.816	1.32385577	0.221074
627.071	614.454	1.34375577	0.221014

614.903	602.39	1.36345577	0.220634
600.958	588.55	1.38285577	0.219994
585.202	572.901	1.40195577	0.219064
567.638	555.446	1.42075577	0.217834
548.308	536.225	1.43925577	0.216264
527.292	515.319	1.45745577	0.214354
504.708	492.846	1.47515577	0.212274
480.712	468.961	1.49255577	0.209814
455.49	443.849	1.50955577	0.207064
429.26	417.729	1.52605577	0.204114
402.267	390.844	1.54205577	0.200974
374.778	363.462	1.55755577	0.197624
347.079	335.867	1.57245577	0.194174
319.468	308.357	1.58685577	0.190524
292.249	281.236	1.60065577	0.186774
265.731	254.812	1.61375577	0.183034
240.217	229.388	1.62615577	0.179314
216.003	205.259	1.63795577	0.175524
193.367	182.704	1.64895577	0.171874
172.572	161.982	1.65915577	0.168364
153.851	143.33	1.66865577	0.164914
137.413	126.954	1.67725577	0.161724
123.432	113.028	1.68505577	0.158714
112.048	101.692	1.69205577	0.155894
103.361	93.0471	1.69815577	0.153354
97.434	87.154	1.70345577	0.151024
94.2864	84.0333	1.70785577	0.148994
93.7501	83.5077	1.71135577	0.147274
96.207	85.9858	1.71405577	0.145774
101.114	90.8974	1.71575577	0.144684
108.48	98.2614	1.71675577	0.143714
118.133	107.906	1.71675577	0.143174
129.869	119.627	1.71595577	0.142854
143.457	133.193	1.71435577	0.142744
158.642	148.351	1.71195577	0.142864
175.152	164.828	1.70875577	0.143194
192.701	182.339	1.70475577	0.143744
211.001	200.596	1.70005577	0.144404
229.761	219.308	1.69455577	0.145284
248.699	238.192	1.68835577	0.146274
267.543	256.979	1.68155577	0.147284
286.042	275.416	1.67395577	0.148494
303.964	293.274	1.66585577	0.149634
321.109	310.35	1.65705577	0.150884
337.303	326.474	1.64775577	0.152064
352.41	341.508	1.63785577	0.153274
366.327	355.349	1.62735577	0.154524
378.988	367.932	1.61635577	0.155724
390.363	379.227	1.60475577	0.156974
400.459	389.243	1.59275577	0.158104
409.319	398.022	1.58025577	0.159214
417.02	405.641	1.56725577	0.160324
423.675	412.213	1.55375577	0.161454
429.427	417.881	1.53985577	0.162514
434.448	422.819	1.52545577	0.163624

438.934	427.22	1.51065577	0.164714
443.094	431.296	1.49535577	0.165894
447.148	435.264	1.47965577	0.167074
451.316	439.346	1.46355577	0.168294
455.814	443.758	1.44705577	0.169564
460.855	448.711	1.43005577	0.171004
466.64	454.406	1.41275577	0.172434
473.356	461.032	1.39495577	0.174084
481.172	468.756	1.37675577	0.175854
490.237	477.728	1.35825577	0.177674
500.677	488.073	1.33935577	0.179654
512.594	499.892	1.32005577	0.181824
526.061	513.261	1.30055577	0.183984
541.129	528.225	1.28055577	0.186454
557.816	544.805	1.26035577	0.188944
576.114	562.99	1.23985577	0.191584
595.984	582.742	1.21915577	0.194264
617.355	603.992	1.19815577	0.197104
640.128	626.642	1.17695577	0.200014
664.184	650.572	1.15555577	0.203004
689.379	675.642	1.13405577	0.205984
715.554	701.69	1.11235577	0.209054
742.526	728.535	1.09065577	0.212034
770.095	755.977	1.06885577	0.215024
798.043	783.8	1.04705577	0.217934
826.142	811.775	1.02525577	0.220784
854.153	839.665	1.00355577	0.223464
881.831	867.225	0.98185577	0.226104
908.929	894.209	0.96035577	0.228494
935.203	920.372	0.93895577	0.230764
960.413	945.476	0.91765577	0.232914
984.334	969.295	0.89665577	0.234764
1006.75	991.615	0.87595577	0.236324
1027.47	1012.24	0.85535577	0.237804
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1063.16	1047.77	0.81525577	0.239804
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1100.68	1085.07	0.75755577	0.240949
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1119.49	1103.61	0.66895577	0.238189
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1113.8	1097.83	0.63615577	0.235948
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1088.27	1072.18	0.57525577	0.230302
1080.43	1064.3	0.56095577	0.228825
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1064.87	1048.69	0.53335577	0.226041
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1037.43	1021.07	0.44615577	0.220848
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1043.16	1026.75	0.42385577	0.22112
1048.72	1032.28	0.41315577	0.221567
1056.05	1039.57	0.40265577	0.222325
1065.08	1048.58	0.39255577	0.223194
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1087.83	1071.26	0.37325577	0.225551
1101.23	1084.62	0.36405577	0.227032
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1251.04	1234.19	0.29525577	0.243975
1261.41	1244.56	0.29105577	0.245236
1269.88	1253.03	0.28735577	0.246347
1276.23	1259.39	0.28425577	0.247193
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1281.86	1265.06	0.27975577	0.248135
1280.85	1264.09	0.27835577	0.248205
1277.18	1260.45	0.27745577	0.248059
1270.77	1254.08	0.27725577	0.247487
1261.62	1244.99	0.27755577	0.246679
1249.76	1233.19	0.27835577	0.245627
1235.26	1218.75	0.27975577	0.244223
1218.22	1201.79	0.28165577	0.242562
1198.81	1182.45	0.28395577	0.24074
1177.2	1160.92	0.28685577	0.238552
1153.62	1137.43	0.29015577	0.236195
1128.33	1112.24	0.29385577	0.233669
1101.62	1085.62	0.29795577	0.230972
1073.79	1057.88	0.30235577	0.228205
1045.18	1029.36	0.30715577	0.225267
1016.12	1000.4	0.31215577	0.222359
986.968	971.35	0.31745577	0.219383
958.079	942.557	0.32295577	0.216439
929.803	914.375	0.32865577	0.21353
902.481	887.146	0.33445577	0.210755
876.439	861.193	0.34045577	0.208016
851.981	836.821	0.34645577	0.205512
829.387	814.308	0.35245577	0.203242
808.903	793.902	0.35855577	0.201104
790.741	775.812	0.36465577	0.199196
775.073	760.213	0.37065577	0.197614
762.03	747.232	0.37665577	0.196252
751.696	736.955	0.38255577	0.195204

744.11	729.421	0.38845577	0.194361
739.265	724.622	0.39425577	0.193814
737	722.418	0.39995577	0.193551
737.526	722.961	0.40555577	0.193561
740.383	725.85	0.41105577	0.193829
745.488	730.983	0.41645577	0.194339
752.61	738.129	0.42185577	0.194975
761.484	747.025	0.42715577	0.195819
771.81	757.372	0.43235577	0.196851
783.262	768.843	0.43745577	0.198051
795.489	781.089	0.44265577	0.199198
808.124	793.744	0.44775577	0.200472
820.79	806.431	0.45285577	0.20175
833.102	818.767	0.45795577	0.20301
844.681	830.371	0.46315577	0.204131
855.153	840.872	0.46835577	0.20519
864.16	849.913	0.47355577	0.206165
871.368	857.158	0.47885577	0.206936
876.47	862.302	0.48425577	0.207482
879.195	865.074	0.48975577	0.207784
879.591	865.496	0.49525577	0.207921
876.629	862.618	0.50085577	0.207778
871.015	857.068	0.50655577	0.207337
862.383	848.504	0.51235577	0.206584
850.701	836.896	0.51825577	0.205504
835.993	822.267	0.52405577	0.204286
818.338	804.696	0.53005577	0.202619
797.868	784.316	0.53595577	0.200793
774.768	761.31	0.54185577	0.1987
749.27	735.91	0.54775577	0.196334
721.65	708.392	0.55355577	0.193789
692.223	679.071	0.55925577	0.191061
661.337	648.292	0.56475577	0.188246
629.365	616.43	0.57015577	0.185243
596.698	583.876	0.57525577	0.182248
563.741	551.031	0.58015577	0.17916
530.899	518.303	0.58475577	0.176078
498.576	486.093	0.58905577	0.173
467.161	454.79	0.59285577	0.170123
437.024	424.765	0.59635577	0.167244
408.511	396.361	0.59935577	0.164561
381.933	369.889	0.60195577	0.161967
357.564	345.624	0.60395577	0.159658
335.635	323.795	0.60545577	0.157525
316.331	304.586	0.60635577	0.155659
299.789	288.134	0.60665577	0.154049
286.093	274.523	0.60635577	0.152684
275.277	263.788	0.60545577	0.151549
267.323	255.908	0.60385577	0.150728
262.157	250.812	0.60165577	0.150106
259.657	248.377	0.59875577	0.149762
259.355	248.105	0.59525577	0.14958
261.921	250.756	0.59105577	0.149637
266.21	255.095	0.58615577	0.149914
272.225	261.156	0.58065577	0.150289

279.646	268.619	0.57455577	0.15074
288.131	277.143	0.56775577	0.151347
297.329	286.375	0.56035577	0.151987
306.879	295.956	0.55235577	0.152641
316.43	305.533	0.54375577	0.15329
325.638	314.766	0.53455577	0.153914
334.185	323.333	0.52475577	0.154499
341.777	330.942	0.51435577	0.155028
348.157	337.338	0.50345577	0.155389
353.111	342.303	0.49205577	0.155573
356.467	345.668	0.48005577	0.155672
358.106	347.314	0.46755577	0.15558
358.258	347.469	0.45445577	0.155395
356.019	345.234	0.44095577	0.154918
352.323	341.537	0.42685577	0.154352
346.969	336.181	0.41215577	0.153702
340.104	329.311	0.39695577	0.152878
331.923	321.123	0.38125577	0.15189
322.665	311.856	0.36495577	0.150852
312.605	301.783	0.34805577	0.149779
302.048	291.211	0.33065577	0.148589
291.32	280.467	0.31265577	0.147398
280.766	269.891	0.29405577	0.146228
270.731	259.833	0.27475577	0.145198
261.562	250.636	0.25495577	0.14413
253.593	242.636	0.23445577	0.143244
247.141	236.149	0.21335577	0.142461
242.496	231.464	0.19155577	0.141901
239.917	228.84	0.16915577	0.141484
239.472	228.372	0.14615577	0.141228
241.791	230.612	0.12245577	0.14125
246.553	235.314	0.09805577	0.141566
253.988	242.684	0.07305577	0.142089
264.127	252.752	0.04745577	0.142833
276.947	265.496	0.02125577	0.143807
292.377	280.845	-0.00554423	0.14502
310.296	298.678	-0.03284423	0.14638
330.538	318.829	-0.06084423	0.148092
352.892	341.09	-0.08924423	0.149861
377.109	365.21	-0.11814423	0.151789
402.904	390.906	-0.14754423	0.15388
429.963	417.865	-0.17734423	0.156034
457.948	445.748	-0.20754423	0.158253
486.501	474.2	-0.23814423	0.160538
515.255	502.853	-0.26904423	0.162791
543.836	531.335	-0.30024423	0.165013
571.876	559.275	-0.33164423	0.167107
599.013	586.316	-0.36324423	0.169076
624.906	612.115	-0.39514423	0.171025
649.239	636.355	-0.42704423	0.17266
671.727	658.754	-0.45914423	0.174188
692.122	679.063	-0.49134423	0.175519
710.223	697.08	-0.52364423	0.176664
725.872	712.649	-0.55594423	0.177536
738.963	725.663	-0.58824423	0.178151

749.444	736.071	-0.62064423	0.178626
757.319	743.88	-0.65304423	0.17888
762.658	749.157	-0.68534423	0.178836
765.588	752.031	-0.71764423	0.178616
766.296	752.685	-0.74994423	0.178247
765.016	751.356	-0.78224423	0.177755
762.031	748.323	-0.81454423	0.177169
757.656	743.903	-0.84674423	0.176419
752.239	738.44	-0.87894423	0.175635
746.144	732.299	-0.91114423	0.174848
739.748	725.855	-0.94334423	0.174091
733.433	719.491	-0.97564423	0.173496
727.576	713.582	-1.00784423	0.172893
722.542	708.492	-1.04004423	0.172415
718.678	704.57	-1.07234423	0.17219
716.307	702.137	-1.10464423	0.17215
715.722	701.486	-1.13694423	0.172322
717.181	702.873	-1.16934423	0.172833
720.901	706.519	-1.20174423	0.173604
727.061	712.599	-1.23414423	0.174674
735.791	721.245	-1.26654423	0.176044
747.175	732.539	-1.29894423	0.177744
761.245	746.516	-1.33144423	0.179884
777.985	763.158	-1.36384423	0.182294
797.328	782.398	-1.39614423	0.184974
819.156	804.119	-1.42844423	0.188054
843.305	828.158	-1.46064423	0.191414
869.568	854.308	-1.49274423	0.195094
897.698	882.323	-1.52464423	0.198974
927.415	911.921	-1.55634423	0.203074
958.409	942.795	-1.58784423	0.207404
990.352	974.616	-1.61914423	0.211944
1022.9	1007.04	-1.65004423	0.216504
1055.7	1039.72	-1.68074423	0.221294
1088.41	1072.31	-1.71094423	0.226004
1120.67	1104.44	-1.74084423	0.230844
1152.14	1135.8	-1.77014423	0.235494
1182.51	1166.06	-1.79904423	0.240164
1211.47	1194.91	-1.82744423	0.244744
1238.74	1222.08	-1.85534423	0.249244
1264.08	1247.32	-1.88254423	0.253454
1287.25	1270.39	-1.90914423	0.257474
1308.06	1291.12	-1.93514423	0.261304
1326.36	1309.34	-1.96054423	0.264944
1342.02	1324.93	-1.98514423	0.268194
1354.97	1337.81	-2.00904423	0.271164
1365.15	1347.94	-2.03234423	0.273944
1372.56	1355.29	-2.05484423	0.276344
1377.21	1359.9	-2.07664423	0.278464
1379.2	1361.84	-2.09764423	0.280224
1378.59	1361.21	-2.11794423	0.281714
1375.54	1358.14	-2.13754423	0.282954
1370.23	1352.81	-2.15634423	0.283844
1362.84	1345.41	-2.17444423	0.284494
1353.62	1336.18	-2.19194423	0.285024

1342.8	1325.36	-2.20864423	0.285234
1330.68	1313.24	-2.22464423	0.285234
1317.53	1300.09	-2.24004423	0.285144
1303.66	1286.23	-2.25474423	0.284884
1289.38	1271.96	-2.26884423	0.284544
1275.02	1257.6	-2.28234423	0.284164
1260.86	1243.46	-2.29524423	0.283734
1247.24	1229.83	-2.30754423	0.283274
1234.42	1217.03	-2.31934423	0.282904
1222.7	1205.31	-2.33054423	0.282524
1212.33	1194.94	-2.34124423	0.282254
1203.54	1186.15	-2.35144423	0.282104
1196.54	1179.14	-2.36114423	0.282084
1191.49	1174.08	-2.37034423	0.282194
1188.54	1171.12	-2.37904423	0.282454
1187.79	1170.35	-2.38724423	0.282864
1189.3	1171.84	-2.39504423	0.283524
1193.1	1175.62	-2.40234423	0.284354
1199.19	1181.68	-2.40914423	0.285344
1207.51	1189.96	-2.41544423	0.286504
1217.97	1200.38	-2.42124423	0.287834
1230.45	1212.82	-2.42654423	0.289324
1244.79	1227.12	-2.43124423	0.290894
1260.8	1243.09	-2.43554423	0.292724
1278.28	1260.51	-2.43914423	0.294514
1296.96	1279.14	-2.44224423	0.296474
1316.59	1298.72	-2.44474423	0.298484
1336.9	1318.97	-2.44654423	0.300444
1357.58	1339.59	-2.44774423	0.302464
1378.33	1360.29	-2.44824423	0.304414
1398.86	1380.76	-2.44804423	0.306314
1418.86	1400.71	-2.44704423	0.308044
1438.04	1419.83	-2.44544423	0.309804
1456.11	1437.85	-2.44294423	0.311294
1472.8	1454.51	-2.43964423	0.312594
1487.88	1469.54	-2.43564423	0.313824
1501.11	1482.74	-2.43074423	0.314764
1512.31	1493.9	-2.42494423	0.315414
1521.3	1502.87	-2.41834423	0.315874
1527.97	1509.51	-2.41084423	0.316054
1532.2	1513.73	-2.40244423	0.315944
1533.94	1515.47	-2.39314423	0.315544
1533.17	1514.7	-2.38304423	0.314954
1529.91	1511.44	-2.37194423	0.313984
1524.19	1505.73	-2.36004423	0.312824
1516.11	1497.67	-2.34734423	0.311494
1505.79	1487.37	-2.33364423	0.309784
1493.37	1474.98	-2.31914423	0.307904
1479.04	1460.69	-2.30384423	0.305854
1462.99	1444.69	-2.28774423	0.303644
1445.47	1427.2	-2.27084423	0.301284
1426.7	1408.49	-2.25314423	0.298754
1406.95	1388.79	-2.23474423	0.296184
1386.47	1368.37	-2.21564423	0.293564
1365.56	1347.52	-2.19584423	0.290904

1344.46	1326.49	-2.17544423	0.288304
1323.45	1305.54	-2.15434423	0.285654
1302.79	1284.94	-2.13264423	0.283074
1282.71	1264.93	-2.11034423	0.280544
1263.44	1245.73	-2.08754423	0.278174
1245.18	1227.53	-2.06424423	0.275954
1228.1	1210.53	-2.04034423	0.273794
1212.37	1194.86	-2.01604423	0.271864
1198.09	1180.65	-1.99134423	0.270174
1185.35	1167.97	-1.96604423	0.268514
1174.21	1156.9	-1.94044423	0.267164
1164.69	1147.44	-1.91444423	0.266014
1156.77	1139.58	-1.88794423	0.264964
1150.41	1133.28	-1.86114423	0.264174
1145.52	1128.44	-1.83404423	0.263644
1141.99	1124.97	-1.80644423	0.263154
1139.69	1122.73	-1.77854423	0.262884
1138.44	1121.54	-1.75024423	0.262704
1138.06	1121.21	-1.72164423	0.262704
1138.34	1121.55	-1.69264423	0.262754
1139.06	1122.33	-1.66334423	0.262934
1139.99	1123.31	-1.63374423	0.263224
1140.88	1124.26	-1.60374423	0.263484
1141.49	1124.93	-1.57334423	0.263694
1141.61	1125.09	-1.54264423	0.263934
1140.91	1124.48	-1.51154423	0.264074
1139.25	1122.9	-1.48014423	0.264194
1136.41	1120.13	-1.44844423	0.264254
1132.18	1115.97	-1.41634423	0.264144
1126.4	1110.27	-1.38394423	0.263934
1118.91	1102.87	-1.35124423	0.263584
1109.6	1093.65	-1.31824423	0.263094
1098.38	1082.52	-1.28484423	0.262324
1085.19	1069.43	-1.25124423	0.261458
1070	1054.34	-1.21734423	0.260373
1052.83	1037.27	-1.18324423	0.259148
1033.7	1018.26	-1.14894423	0.257763
1012.69	997.367	-1.11434423	0.256099
989.908	974.7	-1.07964423	0.254338
965.472	950.386	-1.04484423	0.252462
939.543	924.583	-1.00984423	0.250356
912.301	897.471	-0.97474423	0.248104
883.949	869.251	-0.93964423	0.245791
854.706	840.141	-0.90454423	0.243403
824.802	810.373	-0.86944423	0.240925
794.481	780.189	-0.83444423	0.238446
763.988	749.834	-0.79944423	0.235851
733.573	719.556	-0.76464423	0.233328
703.48	689.6	-0.72994423	0.230764
673.945	660.203	-0.69554423	0.228345
645.194	631.588	-0.66134423	0.22596
617.437	603.965	-0.62734423	0.223594
590.864	577.526	-0.59374423	0.221433
565.644	552.436	-0.56044423	0.219363
541.918	528.839	-0.52754423	0.217467

519.801	506.848	-0.49494423	0.215631
499.377	486.547	-0.46284423	0.214035
480.699	467.99	-0.43114423	0.212564
463.787	451.197	-0.39984423	0.211196
448.629	436.155	-0.36904423	0.210011
435.18	422.819	-0.33884423	0.20909
423.363	411.113	-0.30904423	0.208208
413.071	400.93	-0.27974423	0.207443
404.17	392.136	-0.25104423	0.20687
396.498	384.57	-0.22284423	0.206364
389.873	378.049	-0.19524423	0.205999
384.092	372.371	-0.16814423	0.205648
378.939	367.319	-0.14154423	0.205284
374.184	362.666	-0.11554423	0.204979
369.594	358.176	-0.09014423	0.204706
364.932	353.615	-0.06524423	0.204337
359.966	348.75	-0.04104423	0.204045
354.472	343.357	-0.01724423	0.203502
348.238	337.223	0.00585577	0.202983
341.069	330.155	0.02845577	0.20226
332.793	321.981	0.05035577	0.201511
323.264	312.554	0.07175577	0.200511
312.365	301.757	0.09255577	0.199339
300.01	289.504	0.11265577	0.198075
286.149	275.744	0.13215577	0.196599
270.768	260.465	0.15105577	0.194896
253.892	243.689	0.16925577	0.193049
235.58	225.477	0.18675577	0.191047
215.933	205.928	0.20355577	0.188879
195.085	185.176	0.21965577	0.186536
173.206	163.391	0.23495577	0.18411
150.496	140.772	0.24955577	0.181498
127.184	117.549	0.26325577	0.178895
103.524	93.9741	0.27625577	0.176101
79.7885	70.3195	0.28835577	0.173315
56.2646	46.8723	0.29955577	0.170538
33.2495	23.9291	0.30985577	0.167772
11.0439	1.79024	0.31915577	0.16512
-10.0527	-19.2453	0.32755577	0.162487
-29.7476	-38.8854	0.33495577	0.159975
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-63.822	-72.8716	0.34675577	0.15533
-77.686	-86.7043	0.35105577	0.153304
-89.1185	-98.1161	0.35435577	0.151412
-97.8963	-106.888	0.35645577	0.149856
-103.79	-112.796	0.35755577	0.148436
-106.608	-115.705	0.35755577	0.147252
-105.744	-114.902	0.35645577	0.146301
-100.865	-110.205	0.35425577	0.145578
-91.0192	-100.637	0.35095577	0.145078
-74.9917	-84.9532	0.34665577	0.144689
-51.4839	-61.6991	0.34115577	0.144599
-20.0486	-30.077	0.33475577	0.144488
17.1113	8.13756	0.32725577	0.144531
53.433	46.3624	0.31885577	0.144502

78.9287	73.5993	0.30955577	0.144378
85.7948	80.3179	0.29945577	0.144049
75.3629	67.3279	0.28835577	0.143722
56.4416	46.4957	0.27655577	0.143123
39.3362	28.7222	0.26375577	0.142586
29.5208	19.0173	0.25005577	0.142047
27.7791	17.4449	0.23545577	0.141538
33.8294	23.942	0.21995577	0.141086
44.7289	35.2095	0.20355577	0.140713
58.1264	48.9693	0.18625577	0.140439
70.9773	62.1087	0.16805577	0.140282
80.962	71.9763	0.14895577	0.140266
87.5286	78.1021	0.12905577	0.140314
92.3802	82.4141	0.10835577	0.140459
98.349	88.0564	0.08675577	0.140831
107.92	97.5583	0.06445577	0.141266
122.087	111.863	0.04125577	0.141994
140.228	130.136	0.01735577	0.142846
160.706	150.554	-0.00734423	0.143949
182.033	171.586	-0.03274423	0.145229
203.818	193.044	-0.05894423	0.146814
226.851	215.934	-0.08564423	0.148431
252.251	241.36	-0.11314423	0.150409
280.395	269.459	-0.14114423	0.152473
310.477	299.297	-0.16974423	0.154749
341.323	329.848	-0.19884423	0.157163
372.677	361.1	-0.22854423	0.159839
405.283	393.704	-0.25864423	0.162603
439.309	427.513	-0.28904423	0.165379
473.756	461.651	-0.31994423	0.168394
508.294	496.1	-0.35114423	0.171471
543.812	531.558	-0.38254423	0.174537
580.035	567.473	-0.41424423	0.177716
615.065	602.286	-0.44614423	0.180933
648.419	635.653	-0.47814423	0.184115
681.327	668.342	-0.51034423	0.187389
713.442	700.102	-0.54254423	0.190583
743.423	730.078	-0.57474423	0.193725
771.778	758.284	-0.60704423	0.196946
799.045	785.217	-0.63914423	0.199976
824.549	810.664	-0.67124423	0.203047
848.256	834.217	-0.70334423	0.20619
870.745	856.454	-0.73514423	0.209138
892.12	877.784	-0.76684423	0.212125
912.239	897.716	-0.79844423	0.215184
931.52	916.767	-0.82974423	0.218148
950.22	935.336	-0.86084423	0.22115
967.711	952.59	-0.89164423	0.224123
984.317	969.037	-0.92214423	0.2271
1000.63	985.257	-0.95244423	0.230211
1016.22	1000.66	-0.98244423	0.23339
1031.53	1015.86	-1.01204423	0.236565
1047.04	1031.23	-1.04134423	0.239868
1062.59	1046.59	-1.07024423	0.243225
1078.82	1062.74	-1.09874423	0.246665

1095.87	1079.59	-1.12694423	0.250312
1113.78	1097.33	-1.15464423	0.253991
1132.94	1116.39	-1.18184423	0.257723
1153.06	1136.3	-1.20874423	0.26173
1174.37	1157.43	-1.23504423	0.265729
1196.94	1179.87	-1.26084423	0.269838
1220.65	1203.4	-1.28614423	0.274074
1245.78	1228.36	-1.31094423	0.278444
1272.04	1254.46	-1.33504423	0.282774
1299.5	1281.76	-1.35854423	0.287164
1328.24	1310.28	-1.38144423	0.291634
1357.85	1339.79	-1.40364423	0.296084
1388.46	1370.19	-1.42514423	0.300524
1419.67	1401.26	-1.44594423	0.304974
1451.27	1432.74	-1.46584423	0.309214
1483.08	1464.34	-1.48504423	0.313474
1514.67	1495.86	-1.50334423	0.317544
1545.93	1526.93	-1.52074423	0.321444
1576.42	1557.31	-1.53714423	0.325064
1605.95	1586.71	-1.55264423	0.328504
1634.18	1614.82	-1.56724423	0.331794
1660.85	1641.39	-1.58074423	0.334714
1685.64	1666.08	-1.59314423	0.337274
1708.27	1688.61	-1.60454423	0.339584
1728.49	1708.77	-1.61474423	0.341454
1746.08	1726.27	-1.62384423	0.342974
1760.87	1741	-1.63184423	0.344164
1772.68	1752.76	-1.63864423	0.344934
1781.41	1761.45	-1.64424423	0.345274
1787	1767	-1.64864423	0.345204
1789.36	1769.34	-1.65184423	0.344724
1788.5	1768.48	-1.65384423	0.343864
1784.44	1764.41	-1.65474423	0.342704
1777.25	1757.25	-1.65434423	0.341074
1767.07	1747.07	-1.65284423	0.339184
1754.01	1734.06	-1.65014423	0.336934
1738.32	1718.39	-1.64624423	0.334354
1720.19	1700.33	-1.64124423	0.331534
1699.94	1680.11	-1.63514423	0.328494
1677.81	1658.07	-1.62794423	0.325244
1654.19	1634.48	-1.61974423	0.321904
1629.36	1609.74	-1.61044423	0.318374
1603.72	1584.17	-1.60014423	0.314764
1577.62	1558.15	-1.58894423	0.311194
1551.46	1532.06	-1.57674423	0.307564
1525.58	1506.26	-1.56374423	0.304084
1500.36	1481.11	-1.54974423	0.300564
1476.13	1456.95	-1.53504423	0.297314
1453.2	1434.1	-1.51944423	0.294124
1431.89	1412.85	-1.50314423	0.291204
1412.42	1393.46	-1.48604423	0.288464
1395.05	1376.14	-1.46834423	0.286094
1379.93	1361.09	-1.44984423	0.283894
1367.22	1348.43	-1.43064423	0.281964
1357.01	1338.27	-1.41084423	0.280394

1349.34	1330.65	-1.39034423	0.279074
1344.2	1325.56	-1.36934423	0.278194
1341.54	1322.94	-1.34754423	0.277454
1341.11	1322.53	-1.32524423	0.277124
1343.19	1324.66	-1.30234423	0.277094
1347.14	1328.65	-1.27874423	0.277244
1352.88	1334.42	-1.25454423	0.277657
1360.13	1341.7	-1.22974423	0.278306
1368.59	1350.19	-1.20434423	0.279169
1377.93	1359.56	-1.17824423	0.280121
1387.81	1369.47	-1.15144423	0.281135
1397.85	1379.54	-1.12414423	0.282383
1407.69	1389.42	-1.09604423	0.283538
1416.95	1398.72	-1.06734423	0.284769
1425.28	1407.08	-1.03794423	0.285947
1432.31	1414.16	-1.00784423	0.287042
1437.72	1419.61	-0.97704423	0.288025
1441.19	1423.14	-0.94554423	0.288865
1442.45	1424.45	-0.91334423	0.289532
1441.26	1423.32	-0.88044423	0.289998
1437.39	1419.53	-0.84684423	0.290234
1430.7	1412.91	-0.81254423	0.290213
1421.06	1403.36	-0.77754423	0.289908
1408.41	1390.8	-0.74194423	0.289392
1392.72	1375.21	-0.70564423	0.288541
1374.03	1356.61	-0.66884423	0.287532
1352.39	1335.09	-0.63134423	0.286142
1327.95	1310.77	-0.59324423	0.28445
1300.87	1283.81	-0.55474423	0.282635
1271.36	1254.43	-0.51564423	0.280479
1239.67	1222.88	-0.47614423	0.278164
1206.07	1189.42	-0.43614423	0.275573
1170.88	1154.38	-0.39584423	0.27289
1134.43	1118.07	-0.35524423	0.2701
1097.07	1080.86	-0.31424423	0.267088
1059.16	1043.11	-0.27314423	0.26414
1021.06	1005.17	-0.23174423	0.261044
983.159	967.419	-0.19024423	0.257985
945.801	930.214	-0.14864423	0.254951
909.336	893.902	-0.10704423	0.252027
874.091	858.809	-0.06544423	0.249201
840.372	825.238	-0.02384423	0.246459
808.451	793.463	0.01765577	0.243886
778.57	763.724	0.05915577	0.241366
750.93	736.222	0.10035577	0.239183
725.694	711.121	0.14145577	0.237121
702.979	688.536	0.18225577	0.235361
682.859	668.54	0.22285577	0.233783
665.357	651.161	0.26325577	0.232366
650.455	636.375	0.30325577	0.23129
638.083	624.116	0.34305577	0.23033
628.128	614.27	0.38245577	0.229663
620.433	606.681	0.42165577	0.229061
614.795	601.148	0.46045577	0.228699
610.977	597.432	0.49885577	0.228547

608.703	595.258	0.53695577	0.228475
607.67	594.325	0.57475577	0.228452
607.517	594.222	0.61215577	0.228547
607.997	594.85	0.64925577	0.228627
608.653	595.606	0.68605577	0.228659
609.155	596.209	0.72245577	0.22871
609.236	596.341	0.75855577	0.228646
608.267	595.529	0.79435577	0.228434
606.189	593.558	0.82975577	0.228144
602.595	590.074	0.86485577	0.227634
597.2	584.792	0.89965577	0.226894
589.75	577.46	0.93405577	0.225974
580.034	567.863	0.96815577	0.224754
567.88	555.833	1.00185577	0.223304
553.167	541.247	1.03525577	0.221494
535.824	524.033	1.06815577	0.219524
515.831	504.173	1.10075577	0.217144
493.223	481.699	1.13295577	0.214464
468.089	456.702	1.16465577	0.211544
440.571	429.323	1.19585577	0.208384
410.863	399.753	1.22655577	0.204964
379.206	368.235	1.25665577	0.201384
345.886	335.054	1.28625577	0.197524
311.228	300.534	1.31525577	0.193504
275.593	265.034	1.34355577	0.189394
239.368	228.943	1.37115577	0.185204
202.962	192.667	1.39795577	0.181034
166.797	156.628	1.42405577	0.176784
131.302	121.255	1.44935577	0.172554
96.9027	86.9725	1.47365577	0.168544
64.0182	54.1986	1.49715577	0.164564
33.0505	23.3348	1.51975577	0.160704
4.38026	-5.23964	1.54125577	0.157174
-21.6382	-31.1717	1.56185577	0.153774
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-64.4408	-73.8399	1.59985577	0.147854
-80.6423	-90.0029	1.61725577	0.145324
-92.9973	-102.351	1.63355577	0.143104
-101.173	-110.572	1.64875577	0.141184
-104.706	-114.237	1.66275577	0.139654
-102.86	-112.663	1.67565577	0.138404
-94.4971	-104.732	1.68755577	0.137304
-78.0665	-88.8401	1.69825577	0.136534
-52.0957	-63.2245	1.70785577	0.135974
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24.5749	15.8602	1.72405577	0.134994
62.3456	56.8638	1.73065577	0.134474
84.7623	84.7601	1.73635577	0.133794
87.6145	80.9451	1.74115577	0.132924
67.1863	59.0979	1.74515577	0.131744
41.8752	31.6427	1.74815577	0.130474
19.4508	8.60783	1.75025577	0.129034
3.9197	-6.54872	1.75145577	0.127464
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2.84495	-6.56462	1.74625577	0.121034
11.8556	2.74402	1.74245577	0.119454
21.5089	12.7963	1.73775577	0.117794
29.561	21.2809	1.73205577	0.116164
34.1548	26.1323	1.72545577	0.114484
33.2148	25.0754	1.71795577	0.112764
28.1489	19.5711	1.70945577	0.111124
20.5631	11.4916	1.69995577	0.109604
12.888	3.42981	1.68955577	0.108124
7.13389	-2.53495	1.67825577	0.106734
4.56095	-5.20706	1.66595577	0.105554
5.68621	-4.10044	1.65265577	0.104624
10.5359	0.755743	1.63845577	0.103874
18.7921	9.03826	1.62325577	0.103424
29.94	20.2109	1.60715577	0.103214
43.3135	33.6161	1.59005577	0.103354
58.1778	48.5114	1.57215577	0.103674
73.819	64.1764	1.55325577	0.104394
89.7309	80.067	1.53355577	0.105344
105.813	96.0391	1.51305577	0.106544
122.457	112.47	1.49165577	0.108104
140.369	130.105	1.46945577	0.109974
160.164	149.634	1.44655577	0.112054
182.059	171.314	1.42285577	0.114464
205.933	195.011	1.39845577	0.117144
231.713	220.63	1.37335577	0.120104
259.616	248.388	1.34755577	0.123354
289.923	278.56	1.32125577	0.126724
322.58	311.063	1.29425577	0.130414
357.164	345.472	1.26685577	0.134154
393.204	381.366	1.23885577	0.138144
430.461	418.506	1.21045577	0.142194
468.896	456.798	1.18165577	0.146324
508.491	496.212	1.15245577	0.150544
549.053	536.608	1.12295577	0.154754
590.039	577.45	1.09325577	0.158864
630.606	617.863	1.06335577	0.162894
670.069	657.172	1.03335577	0.166744
708.052	694.986	1.00315577	0.170534
743.92	730.686	0.97295577	0.174064
776.968	763.647	0.94265577	0.177454
807.18	793.758	0.91245577	0.180514
834.672	821.09	0.88235577	0.183264
859.176	845.478	0.85235577	0.185724
880.632	866.851	0.82245577	0.187914
899.275	885.385	0.79265577	0.189854
915.235	901.26	0.76305577	0.191469
928.691	914.621	0.73365577	0.192782
939.857	925.64	0.70455577	0.19372
948.788	934.433	0.67555577	0.194509
955.549	941.085	0.64685577	0.194977
960.333	945.762	0.61835577	0.195252
963.349	948.668	0.59015577	0.195263
964.794	950.013	0.56215577	0.195137

964.998	950.17	0.53435577	0.194906
963.93	948.97	0.50685577	0.194496
962.158	947.115	0.47965577	0.193938
959.861	944.741	0.45265577	0.19336
957.335	942.141	0.42585577	0.192791
954.879	939.614	0.39925577	0.192256
952.777	937.444	0.37295577	0.191684
951.297	935.897	0.34685577	0.191199
950.691	935.222	0.32095577	0.190827
951.193	935.653	0.29535577	0.190491
953.018	937.406	0.26995577	0.190315
956.364	940.678	0.24465577	0.190422
961.395	945.634	0.21975577	0.190532
968.238	952.401	0.19495577	0.190965
976.99	961.072	0.17045577	0.191538
987.711	971.711	0.14615577	0.192368
1000.42	984.336	0.12215577	0.193368
1015.11	998.933	0.09835577	0.194651
1031.72	1015.46	0.07495577	0.196027
1050.16	1033.81	0.05175577	0.197707
1070.29	1053.84	0.02895577	0.199498
1091.94	1075.4	0.00655577	0.201405
1114.92	1098.29	-0.01554423	0.203535
1138.99	1122.26	-0.03724423	0.20579
1163.91	1147.09	-0.05844423	0.208074
1189.4	1172.48	-0.07924423	0.210487
1215.17	1198.16	-0.09954423	0.212932
1240.93	1223.83	-0.11934423	0.215409
1266.39	1249.19	-0.13854423	0.217816
1291.23	1273.94	-0.15724423	0.220254
1315.16	1297.79	-0.17524423	0.222522
1337.91	1320.45	-0.19264423	0.224719
1359.19	1341.65	-0.20934423	0.226744
1378.76	1361.15	-0.22544423	0.228696
1396.4	1378.72	-0.24074423	0.230377
1411.92	1394.18	-0.25544423	0.231985
1425.16	1407.36	-0.26924423	0.233222
1435.99	1418.15	-0.28244423	0.234388
1444.35	1426.46	-0.29474423	0.235186
1450.16	1432.24	-0.30634423	0.235818
1453.43	1435.48	-0.31714423	0.236187
1454.15	1436.18	-0.32714423	0.236298
1452.39	1434.41	-0.33634423	0.236155
1448.24	1430.25	-0.34474423	0.235762
1441.81	1423.81	-0.35234423	0.235126
1433.25	1415.26	-0.35924423	0.234353
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1396.68	1378.75	-0.37544423	0.230977
1381.62	1363.71	-0.37934423	0.229523
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1185.24	1167.93	-0.37484423	0.211478
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1151.63	1135.58	-0.17434423	0.211247
1138.66	1122.71	-0.16034423	0.209939
1123.49	1107.63	-0.14604423	0.208488
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1016.32	1001.02	-0.06954423	0.19802
989.475	974.297	-0.05344423	0.195387
961.262	946.209	-0.03714423	0.192612
931.916	916.989	-0.02064423	0.189686
901.695	886.896	-0.00404423	0.186698
870.87	856.201	0.01265577	0.183641
839.724	825.186	0.02935577	0.180604
808.547	794.139	0.04615577	0.177481
777.625	763.348	0.06295577	0.174362
747.245	733.096	0.07965577	0.171338
717.679	703.658	0.09625577	0.168403
689.189	675.293	0.11265577	0.165645
662.014	648.241	0.12905577	0.162856
636.372	622.719	0.14515577	0.160326
612.452	598.916	0.16105577	0.157943
590.415	576.992	0.17665577	0.155795
570.386	557.072	0.19195577	0.153869
552.457	539.249	0.20705577	0.152051

536.681	523.575	0.22175577	0.150526
523.075	510.067	0.23615577	0.149175
511.616	498.701	0.25015577	0.148083
502.242	489.418	0.26375577	0.147228
494.859	482.121	0.27705577	0.146492
489.335	476.679	0.28995577	0.145952
485.506	472.93	0.30235577	0.145685
483.183	470.683	0.31445577	0.145469
482.148	469.651	0.32615577	0.14538
482.041	469.811	0.33735577	0.145491
482.984	470.698	0.34825577	0.14558
484.341	472.122	0.35865577	0.145819
485.968	473.815	0.36875577	0.145983
487.6	475.51	0.37845577	0.146149
488.975	476.948	0.38765577	0.14639
489.843	477.878	0.39655577	0.146485
490.015	478.08	0.40505577	0.146509
489.153	477.308	0.41305577	0.146541
487.197	475.411	0.42075577	0.146361
483.95	472.223	0.42815577	0.145951
479.292	467.622	0.43505577	0.145493
473.138	461.526	0.44155577	0.144874
465.444	453.888	0.44765577	0.14408
456.206	444.705	0.45335577	0.143102
445.46	434.013	0.45855577	0.142029
433.282	421.888	0.46335577	0.140758
419.79	408.447	0.46775577	0.139282
405.135	393.842	0.47165577	0.137702
389.507	378.261	0.47505577	0.136017
373.122	361.921	0.47795577	0.134229
356.225	345.066	0.48025577	0.132443
339.081	327.961	0.48215577	0.130464
321.97	310.887	0.48335577	0.1286
305.185	294.134	0.48405577	0.126658
289.019	277.997	0.48415577	0.124748
273.765	262.767	0.48355577	0.122979
259.706	248.729	0.48235577	0.121263
247.11	236.149	0.48045577	0.119709
236.227	225.277	0.47795577	0.118229
227.276	216.333	0.47475577	0.116931
220.45	209.509	0.47085577	0.115826
215.905	204.96	0.46615577	0.115023
213.612	202.652	0.46085577	0.11433
214.09	203.122	0.45475577	0.113954
216.934	205.947	0.44805577	0.113703
222.285	211.272	0.44055577	0.11378
230.095	219.05	0.43235577	0.114093
240.273	229.19	0.42345577	0.114643
252.691	241.566	0.41395577	0.115334
267.185	256.011	0.40375577	0.116269
283.559	272.331	0.39285577	0.11745
301.589	290.302	0.38145577	0.118677
321.027	309.676	0.36935577	0.120152
341.61	330.19	0.35665577	0.121776
363.062	351.57	0.34345577	0.123451

385.104	373.534	0.32975577	0.125179
407.455	395.805	0.31555577	0.126963
429.843	418.109	0.30085577	0.128806
452.008	440.187	0.28575577	0.130613
473.707	461.796	0.27015577	0.13249
494.719	482.716	0.25425577	0.134245
514.852	502.755	0.23795577	0.135986
533.942	521.749	0.22135577	0.137625
551.857	539.568	0.20445577	0.139174
568.502	556.115	0.18725577	0.140647
583.816	571.33	0.16975577	0.142059
597.771	585.187	0.15195577	0.14343
610.377	597.694	0.13405577	0.144577
621.675	608.893	0.11585577	0.145723
631.738	618.858	0.09745577	0.146788
640.668	627.691	0.07895577	0.147697
648.594	635.52	0.06015577	0.148674
655.666	642.495	0.04125577	0.149543
662.052	648.786	0.02225577	0.150332
667.935	654.573	0.00305577	0.151166
673.506	660.05	-0.01634423	0.152072
678.96	665.409	-0.03584423	0.152976
684.491	670.847	-0.05544423	0.153905
690.289	676.551	-0.07514423	0.154883
696.532	682.701	-0.09494423	0.155938
703.386	689.461	-0.11494423	0.157192
711.001	696.982	-0.13494423	0.15847
719.511	705.398	-0.15514423	0.159993
729.032	714.823	-0.17534423	0.161583
739.657	725.353	-0.19554423	0.163261
751.46	737.06	-0.21594423	0.165243
764.489	749.992	-0.23624423	0.167249
778.767	764.172	-0.25664423	0.169493
794.292	779.599	-0.27704423	0.171889
811.037	796.246	-0.29744423	0.174453
828.95	814.06	-0.31774423	0.177094
847.954	832.966	-0.33804423	0.179925
867.948	852.862	-0.35824423	0.182853
888.811	873.627	-0.37834423	0.185889
910.402	895.121	-0.39824423	0.188938
932.562	917.185	-0.41804423	0.192108
955.117	939.646	-0.43774423	0.195403
977.885	962.322	-0.45714423	0.198631
1000.67	985.019	-0.47634423	0.201894
1023.28	1007.54	-0.49524423	0.205097
1045.52	1029.69	-0.51384423	0.208244
1067.18	1051.27	-0.53214423	0.211338
1088.08	1072.09	-0.55014423	0.214384
1108.02	1091.95	-0.56774423	0.217284
1126.82	1110.68	-0.58494423	0.220043
1144.32	1128.11	-0.60174423	0.222664
1160.38	1144.1	-0.61804423	0.225053
1174.86	1158.53	-0.63394423	0.227313
1187.66	1171.27	-0.64934423	0.229349
1198.7	1182.26	-0.66434423	0.231268

1207.92	1191.43	-0.67874423	0.232876
1215.28	1198.75	-0.69264423	0.234278
1220.77	1204.21	-0.70604423	0.235483
1224.42	1207.83	-0.71894423	0.236497
1226.26	1209.64	-0.73134423	0.237329
1226.52	1209.89	-0.74314423	0.237888
1224.8	1208.14	-0.75444423	0.238282
1221.71	1205.04	-0.76524423	0.238521
1217.21	1200.53	-0.77554423	0.238615
1211.45	1194.76	-0.78524423	0.238472
1204.59	1187.9	-0.79454423	0.238304
1196.82	1180.13	-0.80324423	0.237919
1188.33	1171.64	-0.81154423	0.237528
1179.29	1162.61	-0.81924423	0.236941
1169.92	1153.24	-0.82654423	0.236367
1160.39	1143.73	-0.83344423	0.235814
1150.91	1134.26	-0.83984423	0.235193
1141.66	1125.02	-0.84584423	0.23461
1132.82	1116.19	-0.85134423	0.233974
1124.54	1107.92	-0.85654423	0.233492
1116.99	1100.38	-0.86134423	0.233068
1110.29	1093.69	-0.86564423	0.23261
1104.56	1087.97	-0.86964423	0.232321
1099.91	1083.32	-0.87334423	0.232205
1096.39	1079.82	-0.87654423	0.232064
1094.08	1077.51	-0.87944423	0.232101
1092.91	1076.34	-0.88194423	0.232215
1093.13	1076.57	-0.88414423	0.232507
1094.48	1077.92	-0.88604423	0.232974
1096.99	1080.43	-0.88744423	0.233416
1100.61	1084.05	-0.88854423	0.234027
1105.23	1088.67	-0.88934423	0.234805
1110.76	1094.2	-0.88974423	0.235642
1117.06	1100.49	-0.88974423	0.236534
1123.98	1107.41	-0.88934423	0.237472
1131.36	1114.79	-0.88854423	0.238449
1139.02	1122.44	-0.88734423	0.239455
1146.77	1130.2	-0.88584423	0.240581
1154.43	1137.85	-0.88384423	0.241617
1161.79	1145.22	-0.88134423	0.242551
1168.67	1152.1	-0.87854423	0.243574
1174.87	1158.31	-0.87524423	0.244473
1180.22	1163.67	-0.87144423	0.245237
1184.54	1168.01	-0.86724423	0.245954
1187.69	1171.17	-0.86254423	0.246514
1189.51	1173.01	-0.85744423	0.247005
1189.88	1173.41	-0.85184423	0.247315
1188.72	1172.28	-0.84574423	0.247435
1185.93	1169.52	-0.83924423	0.247454
1181.47	1165.1	-0.83224423	0.247261
1175.32	1158.99	-0.82474423	0.246848
1167.45	1151.17	-0.81684423	0.246305
1157.91	1141.68	-0.80844423	0.245525
1146.75	1130.57	-0.79974423	0.244699
1134.02	1117.9	-0.79054423	0.24362

1119.84	1103.78	-0.78094423	0.242382
1104.31	1088.32	-0.77094423	0.240977
1087.58	1071.66	-0.76064423	0.239501
1069.81	1053.95	-0.75004423	0.237948
1051.15	1035.37	-0.73904423	0.236212
1031.79	1016.09	-0.72784423	0.234488
1011.93	996.303	-0.71624423	0.232572
991.753	976.206	-0.70444423	0.230657
971.461	955.994	-0.69244423	0.22874
951.25	935.865	-0.68034423	0.226916
931.311	916.008	-0.66794423	0.224977
911.828	896.608	-0.65544423	0.223119
892.974	877.835	-0.64284423	0.221335
874.907	859.85	-0.63014423	0.219618
857.768	842.792	-0.61734423	0.21796
841.679	826.783	-0.60444423	0.216354
826.742	811.924	-0.59154423	0.214888
813.031	798.291	-0.57864423	0.213554
800.601	785.937	-0.56574423	0.212339
789.477	774.887	-0.55284423	0.211233
779.66	765.143	-0.53994423	0.210221
771.123	756.678	-0.52714423	0.209389
763.817	749.441	-0.51434423	0.208623
757.664	743.357	-0.50164423	0.208006
752.565	738.327	-0.48904423	0.207522
748.4	734.229	-0.47644423	0.207052
745.029	730.924	-0.46394423	0.206678
742.294	728.255	-0.45154423	0.206381
740.027	726.054	-0.43914423	0.206041
738.046	724.139	-0.42694423	0.205836
736.164	722.324	-0.41474423	0.205548
734.19	720.418	-0.40264423	0.205255
731.934	718.23	-0.39074423	0.205036
729.21	715.575	-0.37884423	0.20467
725.838	712.274	-0.36704423	0.204236
721.651	708.16	-0.35534423	0.203715
716.496	703.079	-0.34374423	0.203087
710.238	696.897	-0.33234423	0.202431
702.763	689.5	-0.32094423	0.201531
693.979	680.795	-0.30974423	0.200568
683.82	670.718	-0.29874423	0.199526
672.248	659.23	-0.28774423	0.198189
659.252	646.318	-0.27704423	0.196842
644.849	632.001	-0.26644423	0.195274
629.085	616.326	-0.25604423	0.193571
612.037	599.366	-0.24594423	0.191822
593.807	581.225	-0.23604423	0.189919
574.522	562.03	-0.22634423	0.187852
554.335	541.934	-0.21694423	0.185714
533.42	521.109	-0.20794423	0.183599
511.968	499.746	-0.19914423	0.181302
490.186	478.053	-0.19084423	0.179118
468.293	456.246	-0.18284423	0.176842
446.512	434.551	-0.17524423	0.174573
425.073	413.195	-0.16804423	0.172307

404.203	392.406	-0.16134423	0.170141
384.125	372.406	-0.15514423	0.168073
365.05	353.406	-0.14944423	0.166101
347.179	335.607	-0.14424423	0.164223
330.693	319.188	-0.13964423	0.162535
315.754	304.313	-0.13564423	0.161034
302.498	291.117	-0.13214423	0.159616
291.037	279.71	-0.12934423	0.158477
281.453	270.176	-0.12704423	0.157412
273.797	262.566	-0.12544423	0.156614
268.09	256.901	-0.12454423	0.156078
264.323	253.17	-0.12424423	0.155695
262.454	251.331	-0.12454423	0.155457
262.21	251.101	-0.12554423	0.155456
264.093	253.019	-0.12714423	0.155582
267.375	256.319	-0.12944423	0.155925
272.107	261.065	-0.13234423	0.156375
278.121	267.088	-0.13594423	0.157021
285.231	274.203	-0.14014423	0.157753
293.24	282.213	-0.14494423	0.158561
301.943	290.914	-0.15034423	0.159434
311.134	300.099	-0.15644423	0.160464
320.609	309.563	-0.16304423	0.161442
330.168	319.109	-0.17024423	0.162461
339.629	328.552	-0.17794423	0.163415
348.822	337.724	-0.18634423	0.164499
357.601	346.477	-0.19514423	0.16541
365.843	354.691	-0.20454423	0.166349
373.452	362.268	-0.21444423	0.167215
380.361	369.141	-0.22484423	0.168012
386.533	375.274	-0.23574423	0.168745
391.96	380.66	-0.24714423	0.169422
396.666	385.321	-0.25904423	0.170051
400.701	389.309	-0.27134423	0.170543
404.145	392.702	-0.28424423	0.171112
407.1	395.605	-0.29754423	0.171572
409.692	398.142	-0.31124423	0.171939
412.064	400.456	-0.32544423	0.172332
414.372	402.704	-0.34014423	0.172768
416.785	405.054	-0.35524423	0.173168
419.476	407.679	-0.37084423	0.173653
422.62	410.755	-0.38684423	0.174142
426.388	414.452	-0.40324423	0.174658
430.946	418.936	-0.42014423	0.175323
436.446	424.36	-0.43744423	0.176057
443.027	430.862	-0.45514423	0.176882
450.808	438.561	-0.47324423	0.17782
459.888	447.556	-0.49174423	0.17889
470.341	457.921	-0.51064423	0.180113
482.217	469.706	-0.52994423	0.181507
495.536	482.932	-0.54954423	0.182992
510.294	497.593	-0.56944423	0.184584
526.457	513.656	-0.58974423	0.186399
543.965	531.061	-0.61034423	0.188355
562.732	549.723	-0.63124423	0.190466

582.648	569.532	-0.65234423	0.192646
603.581	590.354	-0.67364423	0.19491
625.378	612.039	-0.69524423	0.197368
647.871	634.419	-0.71694423	0.199836
670.879	657.311	-0.73884423	0.202423
694.208	680.523	-0.76084423	0.205043
717.659	703.857	-0.78294423	0.207705
741.031	727.113	-0.80514423	0.210423
764.129	750.098	-0.82734423	0.213108
786.772	772.63	-0.84954423	0.21577
808.793	794.543	-0.87174423	0.218422
830.043	815.689	-0.89394423	0.221076
850.396	835.941	-0.91594423	0.223545
869.749	855.198	-0.93794423	0.226041
888.023	873.378	-0.95984423	0.228478
905.163	890.428	-0.98154423	0.23077
921.138	906.316	-1.00314423	0.233032
935.938	921.031	-1.02454423	0.235178
949.575	934.588	-1.04574423	0.237224
962.083	947.016	-1.06674423	0.239185
973.509	958.364	-1.08744423	0.240978
983.917	968.697	-1.10804423	0.24282
993.384	978.09	-1.12824423	0.244427
1002	986.631	-1.14824423	0.246016
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1017.06	1001.55	-1.18734423	0.248909
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1029.95	1014.31	-1.22534423	0.251639
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1084.74	1068.53	-1.38014423	0.262854
1092.31	1076.03	-1.39564423	0.264234
1100.39	1084.05	-1.41074423	0.265624
1109	1092.59	-1.42544423	0.267054
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1127.83	1111.3	-1.45364423	0.270014
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1159.86	1143.15	-1.49284423	0.274824
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1183.28	1166.44	-1.51674423	0.278184
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1269.3	1252.04	-1.58464423	0.290104
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1302.88	1285.46	-1.60534423	0.294674
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1331.19	1313.63	-1.62064423	0.298744
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1346.32	1328.68	-1.62754423	0.300914
1352.63	1334.95	-1.63004423	0.301904
1358.09	1340.38	-1.63184423	0.302754
1362.68	1344.93	-1.63304423	0.303574
1366.4	1348.63	-1.63344423	0.304174
1369.28	1351.47	-1.63324423	0.304754
1371.32	1353.5	-1.63234423	0.305224
1372.58	1354.74	-1.63074423	0.305584
1373.1	1355.24	-1.62844423	0.305834
1372.92	1355.05	-1.62544423	0.305984
1372.12	1354.23	-1.62174423	0.306044
1370.75	1352.85	-1.61734423	0.306014
1368.89	1350.98	-1.61234423	0.305994
1366.61	1348.7	-1.60654423	0.305784
1364	1346.08	-1.60014423	0.305604
1361.11	1343.19	-1.59304423	0.305334
1358.04	1340.11	-1.58534423	0.305104
1354.84	1336.92	-1.57684423	0.304694
1351.6	1333.68	-1.56774423	0.304324
1348.36	1330.45	-1.55804423	0.303974
1345.19	1327.28	-1.54764423	0.303564
1342.12	1324.22	-1.53654423	0.303094
1339.2	1321.31	-1.52484423	0.302654
1336.45	1318.58	-1.51254423	0.302244
1333.88	1316.02	-1.49954423	0.301764
1331.5	1313.66	-1.48594423	0.301324
1329.3	1311.47	-1.47174423	0.300894
1327.25	1309.45	-1.45684423	0.300394
1325.33	1307.55	-1.44144423	0.300014
1323.5	1305.74	-1.42534423	0.299544
1321.71	1303.98	-1.40864423	0.299074
1319.9	1302.2	-1.39134423	0.298604
1318.01	1300.33	-1.37344423	0.298124
1315.96	1298.32	-1.35494423	0.297624
1313.69	1296.08	-1.33584423	0.297094
1311.12	1293.55	-1.31614423	0.296524
1308.17	1290.64	-1.29584423	0.295906
1304.77	1287.28	-1.27504423	0.295331
1300.84	1283.4	-1.25354423	0.294585
1296.33	1278.92	-1.23154423	0.293856
1291.15	1273.8	-1.20904423	0.293134
1285.26	1267.96	-1.18594423	0.292305
1278.61	1261.36	-1.16224423	0.291358
1271.15	1253.96	-1.13804423	0.290379
1262.86	1245.73	-1.11334423	0.289356
1253.71	1236.64	-1.08814423	0.288276
1243.71	1226.7	-1.06244423	0.287126
1232.84	1215.9	-1.03624423	0.285893
1221.12	1204.26	-1.00954423	0.284565

1208.59	1191.8	-0.98244423	0.283228
1195.27	1178.55	-0.95484423	0.281769
1181.22	1164.57	-0.92684423	0.280276
1166.48	1149.92	-0.89844423	0.278736
1151.14	1134.66	-0.86974423	0.277237
1135.26	1118.86	-0.84064423	0.275664
1118.92	1102.61	-0.81114423	0.274006
1102.22	1085.99	-0.78134423	0.27235
1085.25	1069.1	-0.75124423	0.270682
1068.09	1052.04	-0.72094423	0.269091
1050.86	1034.89	-0.69034423	0.267463
1033.64	1017.76	-0.65954423	0.265886
1016.52	1000.73	-0.62844423	0.264245
999.608	983.908	-0.59724423	0.262728
982.976	967.365	-0.56584423	0.261221
966.708	951.184	-0.53434423	0.259811
950.876	935.44	-0.50264423	0.258382
935.548	920.198	-0.47094423	0.257121
920.778	905.514	-0.43904423	0.255812
906.614	891.434	-0.40714423	0.254642
893.092	877.995	-0.37524423	0.253593
880.235	865.221	-0.34324423	0.25255
868.056	853.123	-0.31124423	0.251597
856.554	841.701	-0.27914423	0.250617
845.716	830.943	-0.24714423	0.249792
835.517	820.823	-0.21524423	0.249106
825.919	811.302	-0.18324423	0.24834
816.872	802.333	-0.15134423	0.247677
808.316	793.855	-0.11954423	0.247097
800.182	785.797	-0.08784423	0.246583
792.39	778.082	-0.05614423	0.246015
784.853	770.622	-0.02454423	0.245476
777.48	763.327	0.00695577	0.244944
770.176	756.099	0.03835577	0.244403
762.84	748.842	0.06965577	0.243832
755.375	741.455	0.10075577	0.243313
747.683	733.842	0.13175577	0.242728
739.67	725.909	0.16265577	0.242057
731.247	717.568	0.19335577	0.241384
722.334	708.737	0.22395577	0.240589
712.858	699.344	0.25435577	0.239757
702.757	689.327	0.28455577	0.238871
691.982	678.637	0.31455577	0.237914
680.496	667.236	0.34445577	0.236771
668.276	655.103	0.37405577	0.235627
655.315	642.23	0.40335577	0.234468
641.621	628.623	0.43255577	0.233081
627.215	614.306	0.46135577	0.231752
612.137	599.316	0.48995577	0.230271
596.438	583.706	0.51825577	0.228725
580.186	567.544	0.54625577	0.227104
563.46	550.907	0.57395577	0.225398
546.352	533.887	0.60125577	0.223697
528.961	516.584	0.62815577	0.221993
511.381	499.101	0.65475577	0.220176

493.711	481.526	0.68085577	0.218436
476.042	463.949	0.70655577	0.216663
458.47	446.469	0.73185577	0.214846
441.094	429.182	0.75655577	0.213176
424.014	412.191	0.78085577	0.211444
407.331	395.594	0.80465577	0.209744
391.143	379.489	0.82795577	0.208054
375.546	363.971	0.85065577	0.206484
360.628	349.131	0.87285577	0.204914
346.474	335.052	0.89445577	0.203444
333.16	321.809	0.91545577	0.202064
320.755	309.47	0.93575577	0.200854
309.315	298.094	0.95555577	0.199624
298.888	287.728	0.97465577	0.198554
289.512	278.408	0.99315577	0.197534
281.211	270.159	1.01105577	0.196574
273.999	262.994	1.02815577	0.195854
267.877	256.917	1.04465577	0.195164
262.836	251.915	1.06045577	0.194604
258.856	247.97	1.07565577	0.194064
255.904	245.049	1.09015577	0.193634
253.94	243.112	1.10385577	0.193414
252.915	242.11	1.11695577	0.193194
252.738	241.942	1.12935577	0.193064
253.45	242.676	1.14105577	0.193024
254.88	244.116	1.15215577	0.192974
256.994	246.234	1.16245577	0.193104
259.718	248.96	1.17215577	0.193214
262.983	252.222	1.18115577	0.193394
266.718	255.949	1.18945577	0.193644
270.856	260.077	1.19715577	0.193874
275.336	264.541	1.20415577	0.194174
280.098	269.285	1.21045577	0.194554
285.094	274.258	1.21615577	0.194904
290.279	279.418	1.22125577	0.195244
295.619	284.729	1.22565577	0.195664
301.088	290.164	1.22945577	0.196074
306.666	295.707	1.23265577	0.196474
312.347	301.349	1.23525577	0.196884
318.129	307.09	1.23725577	0.197304
324.022	312.938	1.23865577	0.197754
330.041	318.91	1.23945577	0.198224
336.211	325.031	1.23965577	0.198744
342.561	331.329	1.23925577	0.199314
349.126	337.84	1.23835577	0.199854
355.944	344.602	1.23685577	0.200474
363.058	351.656	1.23475577	0.201184
370.509	359.047	1.23215577	0.201894
378.342	366.816	1.22905577	0.202634
386.597	375.005	1.22545577	0.203404
395.315	383.656	1.22125577	0.204324
404.533	392.804	1.21655577	0.205304
414.283	402.482	1.21145577	0.206264
424.592	412.717	1.20585577	0.207314
435.482	423.531	1.19975577	0.208474

446.966	434.936	1.19315577	0.209744
459.051	446.942	1.18615577	0.211064
471.737	459.546	1.17875577	0.212424
485.016	472.742	1.17095577	0.213844
498.872	486.512	1.16275577	0.215344
513.28	500.833	1.15415577	0.216934
528.209	515.674	1.14525577	0.218534
543.622	530.996	1.13595577	0.220244
559.472	546.755	1.12635577	0.221984
575.709	562.899	1.11655577	0.223664
592.277	579.374	1.10635577	0.225504
609.115	596.118	1.09595577	0.227304
626.161	613.069	1.08525577	0.229194
643.349	630.161	1.07445577	0.230974
660.611	647.326	1.06335577	0.232854
677.88	664.498	1.05205577	0.234754
695.088	681.609	1.04075577	0.236494
712.172	698.596	1.02915577	0.238374
729.067	715.394	1.01755577	0.240104
745.717	731.947	1.00585577	0.241814
762.065	748.199	0.99405577	0.243504
778.062	764.101	0.98225577	0.245094
793.666	779.609	0.97035577	0.246704
808.838	794.687	0.95845577	0.248224
823.549	809.305	0.94655577	0.249694
837.775	823.439	0.93475577	0.251024
851.501	837.074	0.92295577	0.252314
864.719	850.203	0.91115577	0.253594
877.429	862.823	0.89955577	0.254674
889.635	874.943	0.88795577	0.255774
901.352	886.575	0.87645577	0.256804
912.598	897.737	0.86515577	0.257684
923.396	908.453	0.85385577	0.258624
933.775	918.751	0.84285577	0.259344
943.766	928.664	0.83185577	0.260164
953.402	938.224	0.82115577	0.260794
962.721	947.468	0.81055577	0.261454
971.759	956.432	0.80015577	0.262054
980.552	965.154	0.79005577	0.262524
989.137	973.67	0.78005577	0.263064
997.549	982.015	0.77035577	0.263504
1005.82	990.221	0.76085577	0.263944
1013.98	998.32	0.75155577	0.264414
1022.07	1006.34	0.74255577	0.264824
1030.09	1014.3	0.73375577	0.265288
1038.08	1022.23	0.72525577	0.26572
1046.05	1030.14	0.71705577	0.266135
1054.01	1038.04	0.70915577	0.266547
1061.98	1045.95	0.70155577	0.266968
1069.95	1053.87	0.69425577	0.267411
1077.94	1061.8	0.68725577	0.267889
1085.93	1069.74	0.68065577	0.268312
1093.92	1077.68	0.67425577	0.268891
1101.9	1085.61	0.66825577	0.269436
1109.86	1093.52	0.66265577	0.269959

1117.77	1101.38	0.65745577	0.270466
1125.63	1109.19	0.65255577	0.271066
1133.4	1116.91	0.64805577	0.271668
1141.06	1124.53	0.64385577	0.272378
1148.58	1132	0.64015577	0.273002
1155.92	1139.31	0.63685577	0.273646
1163.07	1146.42	0.63395577	0.274316
1169.98	1153.29	0.63155577	0.274914
1176.63	1159.9	0.62955577	0.275544
1182.96	1166.2	0.62795577	0.276211
1188.95	1172.16	0.62685577	0.276815
1194.56	1177.74	0.62615577	0.277458
1199.76	1182.91	0.62595577	0.27804
1204.49	1187.63	0.62615577	0.278663
1208.74	1191.85	0.62695577	0.279125
1212.46	1195.56	0.62815577	0.279626
1215.62	1198.7	0.62985577	0.280062
1218.17	1201.25	0.63205577	0.280431
1220.09	1203.16	0.63475577	0.28073
1221.34	1204.42	0.63795577	0.280954
1221.9	1204.98	0.64165577	0.281099
1221.72	1204.8	0.64575577	0.281258
1220.78	1203.88	0.65045577	0.281226
1219.06	1202.18	0.65565577	0.281095
1216.53	1199.67	0.66125577	0.280957
1213.18	1196.34	0.66745577	0.280606
1208.98	1192.17	0.67405577	0.280231
1203.92	1187.15	0.68115577	0.279724
1198	1181.27	0.68875577	0.279075
1191.21	1174.52	0.69675577	0.278374
1183.56	1166.91	0.70525577	0.277509
1175.04	1158.45	0.71415577	0.276571
1165.66	1149.13	0.72355577	0.275448
1155.46	1138.99	0.73335577	0.274224
1144.43	1128.03	0.74355577	0.272894
1132.62	1116.28	0.75415577	0.271444
1120.04	1103.78	0.76505577	0.269954
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1078.05	1062.04	0.80015577	0.264564
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923.532	908.44	0.91975577	0.244034
904.702	889.723	0.93385577	0.241554
885.71	870.846	0.94815577	0.238934
866.602	851.854	0.96255577	0.236284
847.42	832.79	0.97695577	0.233654
828.21	813.697	0.99135577	0.231054
809.01	794.616	1.00575577	0.228464

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770.804	756.647	1.03455577	0.223224
751.871	737.832	1.04885577	0.220654
733.096	719.175	1.06305577	0.218114
714.511	700.708	1.07715577	0.215604
696.144	682.459	1.09115577	0.213104
678.022	664.453	1.10495577	0.210684
660.167	646.713	1.11855577	0.208344
642.6	629.26	1.13195577	0.206054
625.337	612.111	1.14515577	0.203804
608.394	595.28	1.15815577	0.201574
591.782	578.779	1.17085577	0.199444
575.51	562.616	1.18325577	0.197404
559.583	546.797	1.19545577	0.195324
544.006	531.326	1.20725577	0.193394
528.779	516.204	1.21865577	0.191584
513.901	501.428	1.22985577	0.189694
499.368	486.997	1.24055577	0.187994
485.176	472.904	1.25095577	0.186274
471.319	459.145	1.26085577	0.184704
457.789	445.71	1.27045577	0.183064
444.578	432.593	1.27955577	0.181554
431.677	419.784	1.28815577	0.180144
419.079	407.275	1.29635577	0.178724
406.774	395.058	1.30405577	0.177364
394.755	383.125	1.31125577	0.176054
383.016	371.469	1.31795577	0.174774
371.551	360.085	1.32415577	0.173514
360.357	348.969	1.32975577	0.172354
349.432	338.12	1.33485577	0.171174
338.775	327.537	1.33935577	0.170064
328.391	317.224	1.34335577	0.168904
318.283	307.185	1.34665577	0.167884
308.46	297.427	1.34945577	0.166784
298.931	287.962	1.35165577	0.165704
289.71	278.802	1.35315577	0.164704
280.813	269.961	1.35405577	0.163704
272.256	261.459	1.35435577	0.162664
264.059	253.313	1.35395577	0.161684
256.245	245.547	1.35285577	0.160764
248.837	238.183	1.35115577	0.159774
241.859	231.246	1.34875577	0.158814
235.335	224.76	1.34565577	0.157874
229.29	218.75	1.34185577	0.156944
223.749	213.24	1.33735577	0.156024
218.735	208.254	1.33215577	0.155094
214.271	203.814	1.32625577	0.154154
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207.069	196.652	1.31225577	0.152334
204.366	193.963	1.30415577	0.151434
202.28	191.889	1.29535577	0.150504
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203.119	192.719	1.22715577	0.144904
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239.099	228.476	1.09605577	0.136704
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321.157	310.021	0.89815577	0.125684
332.535	321.329	0.87315577	0.124442
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356.39	345.039	0.82175577	0.121765
368.815	357.39	0.79525577	0.120478
381.536	370.034	0.76825577	0.119224
394.523	382.943	0.74075577	0.118031
407.75	396.09	0.71285577	0.116824
421.191	409.448	0.68455577	0.115634
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448.637	436.724	0.62665577	0.113531
462.606	450.606	0.59715577	0.112583
476.715	464.627	0.56725577	0.111178
490.948	478.77	0.53705577	0.111054
505.294	493.024	0.50645577	0.110536
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534.291	521.832	0.44455577	0.109745
548.939	536.382	0.41315577	0.109629
563.689	551.032	0.38145577	0.109736
578.547	565.788	0.34955577	0.109992
593.523	580.661	0.31755577	0.110323
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623.866	610.793	0.25275577	0.111803
639.251	626.071	0.22015577	0.112795
654.788	641.5	0.18745577	0.113951
670.479	657.082	0.15465577	0.115288
686.321	672.816	0.12165577	0.116927
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767.313	753.269	-0.04374423	0.127587
783.674	769.526	-0.07684423	0.130254
799.994	785.742	-0.10984423	0.133021
816.219	801.865	-0.14284423	0.136001
832.292	817.838	-0.17574423	0.139105
848.153	833.599	-0.20854423	0.142342

863.752	849.094	-0.24114423	0.145622
879.051	864.286	-0.27374423	0.149153
894.035	879.159	-0.30614423	0.152745
908.709	893.719	-0.33824423	0.156304
923.097	907.992	-0.37034423	0.160135
937.241	922.019	-0.40214423	0.163947
951.198	935.86	-0.43364423	0.167743
965.035	949.58	-0.46504423	0.17173
978.823	963.255	-0.49614423	0.175712
992.636	976.957	-0.52694423	0.179695
1006.54	990.758	-0.55744423	0.183682
1020.6	1004.72	-0.58764423	0.18768
1034.86	1018.88	-0.61754423	0.191692
1049.35	1033.26	-0.64714423	0.195723
1064.06	1047.89	-0.67644423	0.199779
1078.99	1062.73	-0.70524423	0.203662
1094.09	1077.74	-0.73374423	0.207579
1109.31	1092.88	-0.76184423	0.211432
1124.56	1108.05	-0.78944423	0.215128
1139.76	1123.19	-0.81674423	0.218869
1154.82	1138.18	-0.84344423	0.22236
1169.62	1152.91	-0.86984423	0.225906
1184.05	1167.29	-0.89564423	0.22921
1198	1181.18	-0.92094423	0.232377
1211.34	1194.48	-0.94574423	0.235411
1223.97	1207.06	-0.97004423	0.238317
1235.77	1218.81	-0.99374423	0.240998
1246.63	1229.64	-1.01694423	0.243561
1256.47	1239.44	-1.03944423	0.245809
1265.2	1248.13	-1.06154423	0.248047
1272.75	1255.65	-1.08294423	0.249982
1279.07	1261.94	-1.10374423	0.251718
1284.13	1266.97	-1.12394423	0.253261
1287.89	1270.72	-1.14354423	0.254619
1290.37	1273.18	-1.16254423	0.255796
1291.57	1274.36	-1.18094423	0.256799
1291.7	1274.49	-1.19864423	0.257536
1290.28	1273.05	-1.21584423	0.258213
1287.89	1270.67	-1.23234423	0.258638
1284.44	1267.22	-1.24824423	0.258917
1280.02	1262.8	-1.26364423	0.259154
1274.73	1257.51	-1.27834423	0.259164
1268.67	1251.46	-1.29244423	0.259054
1261.98	1244.78	-1.30604423	0.258924
1254.77	1237.58	-1.31904423	0.258684
1247.18	1230	-1.33144423	0.258344
1239.34	1222.18	-1.34334423	0.258014
1231.39	1214.24	-1.35464423	0.257584
1223.46	1206.32	-1.36544423	0.257174
1215.66	1198.55	-1.37574423	0.256784
1208.14	1191.04	-1.38554423	0.256414
1201	1183.92	-1.39484423	0.256074
1194.33	1177.27	-1.40364423	0.255774
1188.24	1171.2	-1.41194423	0.255504
1182.8	1165.78	-1.41974423	0.255274

1178.06	1161.06	-1.42714423	0.255174
1174.07	1157.09	-1.43404423	0.255114
1170.85	1153.89	-1.44044423	0.255084
1168.39	1151.45	-1.44644423	0.255184
1166.69	1149.77	-1.45204423	0.255414
1165.71	1148.81	-1.45714423	0.255674
1165.4	1148.52	-1.46174423	0.255944
1165.69	1148.83	-1.46604423	0.256424
1166.49	1149.65	-1.46974423	0.256804
1167.71	1150.89	-1.47314423	0.257384
1169.24	1152.44	-1.47594423	0.257844
1170.96	1154.19	-1.47844423	0.258474
1172.74	1155.99	-1.48044423	0.259074
1174.47	1157.74	-1.48194423	0.259624
1175.99	1159.29	-1.48304423	0.260204
1177.19	1160.52	-1.48364423	0.260724
1177.94	1161.29	-1.48374423	0.261154
1178.1	1161.48	-1.48354423	0.261684
1177.58	1160.99	-1.48274423	0.262004
1176.25	1159.7	-1.48154423	0.262294
1174.03	1157.51	-1.47984423	0.262454
1170.82	1154.35	-1.47774423	0.262564
1166.57	1150.14	-1.47524423	0.262614
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1154.73	1138.39	-1.46874423	0.262174
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1128.26	1112.08	-1.45594423	0.260714
1117.15	1101.04	-1.45084423	0.259954
1104.98	1088.92	-1.44534423	0.259054
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1077.68	1061.76	-1.43334423	0.257014
1062.74	1046.89	-1.42684423	0.255854
1047.07	1031.29	-1.42004423	0.254624
1030.81	1015.1	-1.41294423	0.253314
1014.07	998.437	-1.40554423	0.251934
996.998	981.439	-1.39784423	0.250454
979.731	964.248	-1.39004423	0.249074
962.415	947.008	-1.38194423	0.247604
945.193	929.862	-1.37364423	0.246124
928.206	912.951	-1.36514423	0.244624
911.59	896.411	-1.35654423	0.243204
895.474	880.37	-1.34784423	0.241854
879.975	864.946	-1.33904423	0.240564
865.199	850.244	-1.33014423	0.239334
851.237	836.354	-1.32114423	0.238154
838.164	823.352	-1.31204423	0.237014
826.036	811.295	-1.30294423	0.236004
814.893	800.222	-1.29384423	0.235104
804.755	790.151	-1.28474423	0.234324
795.619	781.083	-1.27564423	0.233634
787.465	772.995	-1.26654423	0.233024
780.253	765.848	-1.25744423	0.232484
773.922	759.582	-1.24844423	0.232094
768.394	754.118	-1.23944423	0.231754

763.573	749.361	-1.23044423	0.231429
759.35	745.201	-1.22154423	0.231213
755.599	741.513	-1.21264423	0.230984
752.186	738.163	-1.20384423	0.230827
748.967	735.008	-1.19514423	0.230722
745.794	731.9	-1.18644423	0.230551
742.515	728.685	-1.17784423	0.230394
738.977	725.213	-1.16934423	0.230233
735.033	721.336	-1.16094423	0.230048
730.541	716.912	-1.15254423	0.229721
725.368	711.809	-1.14424423	0.229332
719.395	705.906	-1.13614423	0.228964
712.516	699.099	-1.12804423	0.228398
704.643	691.3	-1.12014423	0.227818
695.709	682.44	-1.11224423	0.227008
685.667	672.473	-1.10454423	0.226151
674.493	661.376	-1.09704423	0.225235
662.189	649.149	-1.08964423	0.224144
648.78	635.817	-1.08234423	0.222869
634.317	621.433	-1.07534423	0.221596
618.878	606.071	-1.06844423	0.220119
602.562	589.832	-1.06184423	0.218627
585.494	572.84	-1.05544423	0.217014
567.819	555.24	-1.04934423	0.215375
549.703	537.196	-1.04354423	0.213705
531.328	518.891	-1.03794423	0.211901
512.89	500.521	-1.03274423	0.210162
494.597	482.293	-1.02794423	0.208486
476.664	464.421	-1.02344423	0.206773
459.311	447.124	-1.01934423	0.205125
442.757	430.622	-1.01564423	0.203542
427.218	415.131	-1.01244423	0.202128
412.904	400.859	-1.00964423	0.200786
400.012	388.003	-1.00724423	0.199517
388.725	376.747	-1.00544423	0.198527
379.207	367.253	-1.00404423	0.197617
371.603	359.666	-1.00324423	0.196993
366.032	354.106	-1.00294423	0.196556
362.586	350.665	-1.00314423	0.196311
361.333	349.408	-1.00384423	0.19626
362.308	350.373	-1.00504423	0.196406
365.52	353.567	-1.00684423	0.196851
370.945	358.967	-1.00914423	0.197498
378.533	366.524	-1.01194423	0.198349
388.203	376.155	-1.01524423	0.199404
399.846	387.754	-1.01914423	0.200766
413.33	401.187	-1.02344423	0.202236
428.499	416.299	-1.02814423	0.203814
445.176	432.914	-1.03334423	0.205601
463.169	450.839	-1.03894423	0.207499
482.272	469.869	-1.04504423	0.209609
502.27	489.789	-1.05144423	0.211732
522.939	510.377	-1.05814423	0.213869
544.058	531.411	-1.06524423	0.216124
565.403	552.668	-1.07264423	0.218399

586.757	573.932	-1.08034423	0.220697
607.91	594.993	-1.08824423	0.222923
628.664	615.653	-1.09634423	0.225083
648.836	635.731	-1.10464423	0.227183
668.256	655.056	-1.11324423	0.229329
686.775	673.482	-1.12184423	0.231231
704.264	690.878	-1.13064423	0.233098
720.616	707.139	-1.13954423	0.23484
735.747	722.182	-1.14854423	0.23647
749.599	735.949	-1.15754423	0.237901
762.14	748.407	-1.16664423	0.239245
773.362	759.549	-1.17584423	0.240519
783.281	769.393	-1.18494423	0.241536
791.938	777.978	-1.19414423	0.242515
799.394	785.365	-1.20334423	0.243372
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815.45	801.235	-1.23064423	0.245087
819.071	804.8	-1.23974423	0.245534
822.041	807.717	-1.24884423	0.245944
824.499	810.124	-1.25784423	0.246254
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830.221	815.705	-1.28454423	0.246954
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838.995	824.31	-1.31954423	0.248124
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850.236	835.43	-1.34514423	0.249474
855.249	840.402	-1.35354423	0.250074
860.95	846.063	-1.36184423	0.250724
867.345	852.418	-1.37014423	0.251544
874.422	859.456	-1.37824423	0.252334
882.154	867.148	-1.38624423	0.253194
890.496	875.45	-1.39414423	0.254144
899.388	884.301	-1.40194423	0.255174
908.756	893.629	-1.40964423	0.256304
918.518	903.35	-1.41714423	0.257414
928.581	913.372	-1.42454423	0.258634
938.848	923.598	-1.43174423	0.259844
949.217	933.925	-1.43874423	0.261054
959.586	944.252	-1.44554423	0.262264
969.851	954.476	-1.45214423	0.263474
979.914	964.497	-1.45854423	0.264694
989.676	974.22	-1.46474423	0.265914
999.049	983.553	-1.47064423	0.267034
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1016.3	1000.73	-1.48174423	0.269194
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1059.03	1043.21	-1.51724423	0.274984
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1060.14	1044.28	-1.52164423	0.275284
1059.7	1043.82	-1.52344423	0.275394
1058.68	1042.79	-1.52484423	0.275364
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1031.19	1015.2	-1.51754423	0.272924
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1029.84	1013.83	-1.50904423	0.272694
1030.51	1014.5	-1.50564423	0.272724
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1033.61	1017.58	-1.49804423	0.273004
1036.02	1019.98	-1.49374423	0.273164
1038.96	1022.92	-1.48924423	0.273454
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1064.68	1048.59	-1.45574423	0.275774
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1074	1058.17	-1.30724423	0.275394
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936.857	921.678	-1.15744423	0.261066
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904.9	889.863	-1.12744423	0.257842
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873.239	858.345	-1.09704423	0.254751
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842.858	828.109	-1.06624423	0.251735
828.423	813.745	-1.05084423	0.250385
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801.52	786.983	-1.01984423	0.247756
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777.688	763.289	-0.98894423	0.245522
767.036	752.704	-0.97354423	0.244537
757.254	742.988	-0.95814423	0.243592
748.34	734.139	-0.94284423	0.242772
740.277	726.141	-0.92764423	0.242066
733.031	718.957	-0.91254423	0.241459
726.551	712.54	-0.89744423	0.240835
720.774	706.824	-0.88254423	0.24038
715.62	701.731	-0.86764423	0.239878
711	697.171	-0.85294423	0.239511
706.811	693.042	-0.83834423	0.239165
702.945	689.235	-0.82384423	0.238821
699.285	685.635	-0.80944423	0.238461
695.711	682.12	-0.79524423	0.238169
692.1	678.569	-0.78114423	0.237827
688.331	674.86	-0.76714423	0.237416
684.284	670.873	-0.75334423	0.23702
679.844	666.495	-0.73964423	0.236521
674.905	661.618	-0.72614423	0.236001
669.366	656.143	-0.71274423	0.235344
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656.156	643.063	-0.68654423	0.233855
648.347	635.321	-0.67374423	0.232992
639.67	626.712	-0.66104423	0.23193
630.095	617.206	-0.64864423	0.230857
619.609	606.791	-0.63634423	0.229558
608.218	595.472	-0.62434423	0.228223
595.945	583.272	-0.61254423	0.22674
582.83	570.231	-0.60104423	0.225199
568.932	556.406	-0.58974423	0.22349
554.323	541.872	-0.57884423	0.221806
539.094	526.718	-0.56814423	0.219939
523.349	511.048	-0.55774423	0.217981
507.204	494.977	-0.54774423	0.216028
490.784	478.631	-0.53814423	0.214073
474.227	462.146	-0.52884423	0.212012
457.671	445.662	-0.51994423	0.209941
441.265	429.326	-0.51144423	0.207856
425.153	413.282	-0.50344423	0.205854

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394.393	382.652	-0.48874423	0.201887
380.022	368.342	-0.48214423	0.200016
366.496	354.876	-0.47604423	0.198216
353.933	342.368	-0.47044423	0.196484
342.434	330.922	-0.46544423	0.194918
332.09	320.626	-0.46094423	0.193414
322.971	311.554	-0.45704423	0.192069
315.135	303.76	-0.45374423	0.190877
308.617	297.282	-0.45094423	0.189736
303.436	292.136	-0.44884423	0.188841
299.59	288.322	-0.44724423	0.187987
297.059	285.821	-0.44634423	0.187368
295.806	284.593	-0.44594423	0.186779
295.641	284.44	-0.44624423	0.186415
296.895	285.722	-0.44714423	0.186169
299.081	287.922	-0.44864423	0.186037
302.239	291.09	-0.45074423	0.186012
306.261	295.119	-0.45344423	0.186089
311.04	299.898	-0.45664423	0.186164
316.461	305.317	-0.46054423	0.186432
322.414	311.262	-0.46504423	0.186791
328.791	317.628	-0.47004423	0.187137
335.493	324.312	-0.47564423	0.187572
342.428	331.226	-0.48184423	0.188095
349.518	338.289	-0.48854423	0.188607
356.696	345.436	-0.49574423	0.189113
363.913	352.617	-0.50354423	0.189718
371.136	359.798	-0.51184423	0.190329
378.346	366.963	-0.52064423	0.190953
385.546	374.113	-0.52994423	0.191602
392.753	381.265	-0.53974423	0.192287
400.002	388.454	-0.55004423	0.193021
407.343	395.731	-0.56084423	0.193821
414.84	403.16	-0.57204423	0.194601
422.57	410.816	-0.58374423	0.19548
430.618	418.787	-0.59584423	0.196378
439.077	427.165	-0.60834423	0.197313
448.047	436.049	-0.62134423	0.198407
457.626	445.539	-0.63474423	0.199581
467.913	455.734	-0.64854423	0.200859
479.004	466.728	-0.66264423	0.202161
490.987	478.611	-0.67724423	0.20371
503.942	491.462	-0.69204423	0.20523
517.938	505.35	-0.70734423	0.207043
533.035	520.335	-0.72284423	0.20887
549.279	536.462	-0.73874423	0.210933
566.702	553.765	-0.75484423	0.213054
585.322	572.261	-0.77124423	0.215352
605.141	591.953	-0.78784423	0.217748
626.142	612.824	-0.80464423	0.220259
648.294	634.842	-0.82164423	0.222905
671.544	657.956	-0.83884423	0.225703
695.822	682.097	-0.85614423	0.228569
721.041	707.176	-0.87354423	0.231519

747.093	733.088	-0.89104423	0.234569
773.857	759.71	-0.90854423	0.237635
801.193	786.905	-0.92604423	0.24073
828.949	814.521	-0.94354423	0.243868
856.96	842.392	-0.96094423	0.246964
885.05	870.344	-0.97824423	0.250031
913.038	898.195	-0.99544423	0.253083
940.736	925.759	-1.01254423	0.256133
967.955	952.848	-1.02934423	0.258994
994.509	979.273	-1.04594423	0.26178
1020.21	1004.85	-1.06234423	0.264504
1044.89	1029.41	-1.07834423	0.26698
1068.39	1052.79	-1.09414423	0.269423
1090.54	1074.83	-1.10954423	0.271645
1111.22	1095.41	-1.12454423	0.273663
1130.32	1114.4	-1.13914423	0.27549
1147.74	1131.72	-1.15334423	0.277142
1163.42	1147.3	-1.16714423	0.278635
1177.3	1161.09	-1.18044423	0.279883
1189.37	1173.08	-1.19334423	0.281005
1199.63	1183.26	-1.20564423	0.281815
1208.12	1191.67	-1.21754423	0.282531
1214.88	1198.37	-1.22894423	0.28307
1220.01	1203.43	-1.23974423	0.283349
1223.59	1206.96	-1.25004423	0.283485
1225.75	1209.06	-1.25984423	0.283496
1226.64	1209.89	-1.26914423	0.283399
1226.39	1209.6	-1.27794423	0.28321
1225.18	1208.35	-1.28614423	0.282844
1223.2	1206.32	-1.29384423	0.282424
1220.61	1203.7	-1.30104423	0.281964
1217.61	1200.67	-1.30774423	0.281484
1214.4	1197.42	-1.31394423	0.280984
1211.14	1194.13	-1.31964423	0.280494
1208.03	1190.99	-1.32474423	0.279914
1205.23	1188.17	-1.32944423	0.279474
1202.91	1185.81	-1.33364423	0.279074
1201.2	1184.08	-1.33734423	0.278734
1200.24	1183.09	-1.34064423	0.278564
1200.08	1182.92	-1.34334423	0.278364
1200.98	1183.78	-1.34564423	0.278344
1202.85	1185.62	-1.34734423	0.278324
1205.77	1188.51	-1.34864423	0.278494
1209.78	1192.49	-1.34944423	0.278774
1214.89	1197.57	-1.34984423	0.279264
1221.09	1203.73	-1.34964423	0.279754
1228.33	1210.94	-1.34894423	0.280364
1236.57	1219.14	-1.34774423	0.281094
1245.73	1228.26	-1.34604423	0.281934
1255.72	1238.22	-1.34374423	0.282794
1266.43	1248.89	-1.34094423	0.283764
1277.74	1260.16	-1.33764423	0.284844
1289.5	1271.88	-1.33374423	0.285944
1301.56	1283.91	-1.32924423	0.287054
1313.76	1296.07	-1.32404423	0.288064

1325.92	1308.21	-1.31834423	0.289184
1337.88	1320.13	-1.31194423	0.290204
1349.46	1331.68	-1.30494423	0.291214
1360.49	1342.68	-1.29734423	0.292224
1370.79	1352.96	-1.28904423	0.29312
1380.21	1362.36	-1.28004423	0.293902
1388.61	1370.74	-1.27034423	0.294567
1395.84	1377.95	-1.25984423	0.29501
1401.79	1383.9	-1.24874423	0.295429
1406.38	1388.47	-1.23694423	0.295722
1409.52	1391.61	-1.22444423	0.295885
1411.16	1393.25	-1.21114423	0.295817
1411.41	1393.5	-1.19714423	0.295616
1409.88	1391.97	-1.18244423	0.295282
1406.99	1389.08	-1.16704423	0.294814
1402.65	1384.76	-1.15084423	0.294111
1396.95	1379.07	-1.13394423	0.293275
1389.98	1372.11	-1.11644423	0.292407
1381.86	1364.01	-1.09814423	0.291306
1372.74	1354.9	-1.07924423	0.290176
1362.77	1344.95	-1.05964423	0.288917
1352.11	1334.32	-1.03944423	0.287631
1340.96	1323.19	-1.01854423	0.28622
1329.49	1311.75	-0.99704423	0.284785
1317.9	1300.19	-0.97504423	0.283427
1306.37	1288.68	-0.95234423	0.281947
1295.08	1277.42	-0.92904423	0.280445
1284.2	1266.57	-0.90524423	0.279021
1273.9	1256.29	-0.88084423	0.277572
1264.3	1246.73	-0.85604423	0.276296
1255.54	1238	-0.83064423	0.27499
1247.71	1230.2	-0.80474423	0.273748
1240.89	1223.41	-0.77834423	0.272564
1235.12	1217.67	-0.75144423	0.27143
1230.43	1213.01	-0.72404423	0.270338
1226.81	1209.42	-0.69624423	0.269375
1224.23	1206.87	-0.66804423	0.268529
1222.61	1205.29	-0.63924423	0.267586
1221.88	1204.53	-0.61014423	0.266831
1221.8	1204.65	-0.58054423	0.266046
1222.52	1205.31	-0.55044423	0.265213
1223.55	1206.4	-0.51994423	0.264414
1224.8	1207.7	-0.48894423	0.263528
1226.02	1208.98	-0.45754423	0.262635
1226.95	1209.98	-0.42574423	0.261714
1227.33	1210.43	-0.39344423	0.260643
1226.86	1210.05	-0.36074423	0.2595
1225.25	1208.53	-0.32764423	0.258262
1222.2	1205.59	-0.29404423	0.256808
1217.43	1200.93	-0.26004423	0.255214
1210.65	1194.27	-0.22564423	0.253458
1201.61	1185.36	-0.19074423	0.251418
1190.07	1173.96	-0.15554423	0.249273
1175.84	1159.86	-0.11994423	0.246899
1158.74	1142.92	-0.08394423	0.244276

1138.65	1122.98	-0.04764423	0.241485
1115.49	1099.99	-0.01104423	0.238503
1089.24	1073.92	0.02585577	0.235312
1059.92	1044.78	0.06305577	0.231893
1027.6	1012.65	0.10045577	0.228327
992.433	977.668	0.13795577	0.224697
954.586	940.014	0.17565577	0.220885
914.3	899.924	0.21335577	0.217074
871.858	857.68	0.25115577	0.213148
827.59	813.611	0.28895577	0.20919
781.865	768.085	0.32665577	0.205283
735.088	721.506	0.36415577	0.201512
687.788	674.334	0.40155577	0.197761
640.579	627.238	0.43865577	0.194221
594.164	580.949	0.47555577	0.190784
549.264	536.155	0.51205577	0.187646
506.542	493.55	0.54805577	0.1849
466.654	453.76	0.58375577	0.182343
430.175	417.386	0.61885577	0.180267
397.647	384.944	0.65345577	0.178566
369.515	356.899	0.68745577	0.177331
346.162	333.619	0.72085577	0.176552
327.871	315.398	0.75355577	0.176317
314.839	302.423	0.78565577	0.176513
307.157	294.793	0.81715577	0.177122
304.818	292.496	0.84785577	0.178324
307.708	295.423	0.87795577	0.179904
315.616	303.36	0.90735577	0.181924
328.229	315.995	0.93615577	0.184274
345.146	332.928	0.96425577	0.187024
365.884	353.676	0.99175577	0.190024
389.891	377.687	1.01865577	0.193264
416.558	404.352	1.04495577	0.196704
445.233	433.021	1.07075577	0.200204
475.239	463.015	1.09615577	0.203634
505.88	493.643	1.12105577	0.207064
536.461	524.209	1.14545577	0.210444
566.3	554.032	1.16955577	0.213564
594.737	582.454	1.19335577	0.216364
621.146	608.85	1.21675577	0.218934
644.949	632.643	1.23995577	0.221044
665.619	653.306	1.26285577	0.222764
682.69	670.376	1.28565577	0.223864
695.767	683.457	1.30815577	0.224544
704.532	692.231	1.33055577	0.224574
709.109	696.833	1.35275577	0.224054
708.283	696.018	1.37475577	0.222974
703.079	690.841	1.39665577	0.221224
693.191	680.985	1.41835577	0.218914
678.766	666.597	1.43985577	0.216054
660.049	647.921	1.46115577	0.212644
637.373	625.291	1.48225577	0.208694
611.157	599.124	1.50315577	0.204234
581.895	569.912	1.52375577	0.199384
550.145	538.215	1.54405577	0.194164

516.521	504.643	1.56395577	0.188694
481.676	469.849	1.58355577	0.182914
446.292	434.516	1.60265577	0.177044
411.067	399.338	1.62125577	0.171124
376.697	365.013	1.63945577	0.165074
343.869	332.225	1.65705577	0.159124
313.238	301.63	1.67405577	0.153314
285.422	273.845	1.69035577	0.147764
260.984	249.433	1.70605577	0.142414
240.422	228.89	1.72105577	0.137374
224.154	212.635	1.73545577	0.132584
212.514	201.002	1.74895577	0.128354
205.739	194.229	1.76185577	0.124404
203.967	192.451	1.77395577	0.120944
207.228	195.701	1.78525577	0.118004
215.451	203.906	1.79585577	0.115494
228.459	216.889	1.80575577	0.113404
245.98	234.377	1.81485577	0.111854
267.658	256.014	1.82335577	0.110634
293.06	281.365	1.83105577	0.109964
321.692	309.938	1.83825577	0.109524
353.012	341.191	1.84475577	0.109534
386.444	374.548	1.85075577	0.109764
421.39	409.414	1.85615577	0.110334
457.242	445.181	1.86115577	0.111024
493.392	481.244	1.86565577	0.111934
529.244	517.009	1.86975577	0.112964
564.225	551.901	1.87355577	0.114014
597.787	585.376	1.87705577	0.115064
629.421	616.925	1.88025577	0.116124
658.658	646.082	1.88315577	0.117194
685.081	672.427	1.88595577	0.118084
708.326	695.599	1.88855577	0.118884
728.095	715.301	1.89105577	0.119504
744.167	731.309	1.89335577	0.120054
756.403	743.487	1.89565577	0.120354
764.76	751.79	1.89785577	0.120494
769.289	756.269	1.89995577	0.120514
770.159	757.115	1.90205577	0.120324
767.518	754.406	1.90405577	0.120034
761.751	748.595	1.90605577	0.119584
753.199	739.998	1.90795577	0.119084
742.283	729.038	1.90975577	0.118564
729.467	716.177	1.91145577	0.118054
715.249	701.914	1.91305577	0.117584
700.149	686.767	1.91455577	0.117184
684.699	671.269	1.91585577	0.116964
669.436	655.956	1.91705577	0.116884
654.893	641.361	1.91805577	0.117054
641.586	628	1.91895577	0.117404
630.011	616.367	1.91955577	0.118164
620.628	606.923	1.91985577	0.119374
613.857	600.087	1.92005577	0.120834
610.071	596.23	1.91995577	0.122784
609.397	595.519	1.91955577	0.125244

612.644	598.647	1.91895577	0.128134
619.44	605.358	1.91805577	0.131564
630.084	615.91	1.91695577	0.135444
644.616	630.346	1.91565577	0.139804
663	648.628	1.91415577	0.144624
685.13	670.651	1.91245577	0.149934
710.825	696.235	1.91055577	0.155714
739.839	725.133	1.90855577	0.161884
771.866	757.04	1.90645577	0.168424
806.546	791.597	1.90425577	0.175324
843.472	828.397	1.90205577	0.182484
882.204	867.002	1.89995577	0.189794
922.27	906.941	1.89785577	0.197334
963.18	947.723	1.89595577	0.204884
1004.42	988.842	1.89415577	0.212524
1045.49	1029.79	1.89265577	0.220044
1085.87	1070.05	1.89145577	0.227424
1125.05	1109.11	1.89045577	0.234724
1162.54	1146.49	1.88995577	0.241644
1197.86	1181.72	1.88985577	0.248254
1230.58	1214.33	1.89015577	0.254534
1260.26	1243.93	1.89095577	0.260364
1286.55	1270.14	1.89235577	0.265614
1309.09	1292.61	1.89435577	0.270274
1327.59	1311.05	1.89685577	0.274434
1341.81	1325.22	1.90005577	0.277854
1351.56	1334.93	1.90385577	0.280644
1356.72	1340.07	1.90825577	0.282784
1357.56	1340.9	1.91335577	0.284174
1353.09	1336.44	1.91915577	0.284784
1344.38	1327.74	1.92555577	0.284724
1331.22	1314.62	1.93255577	0.283994
1313.82	1297.26	1.94015577	0.282594
1292.42	1275.92	1.94845577	0.280424
1267.33	1250.89	1.95725577	0.277684
1238.88	1222.52	1.96665577	0.274294
1207.47	1191.2	1.97655577	0.270344
1173.51	1157.34	1.98685577	0.265954
1137.44	1121.39	1.99765577	0.261034
1099.74	1083.8	2.00875577	0.255804
1060.87	1045.06	2.02025577	0.250164
1021.32	1005.64	2.03195577	0.244324
981.557	966.011	2.04395577	0.238214
942.049	926.641	2.05615577	0.231924
903.243	887.974	2.06845577	0.225594
865.559	850.432	2.08085577	0.219204
829.388	814.403	2.09335577	0.212784
795.084	780.24	2.10575577	0.206534
762.958	748.253	2.11815577	0.200364
733.272	718.706	2.13055577	0.194274
706.239	691.809	2.14275577	0.188464
682.015	667.717	2.15475577	0.182934
660.696	646.529	2.16665577	0.177594
642.322	628.282	2.17835577	0.172514
626.873	612.956	2.18985577	0.167714

614.269	600.473	2.20105577	0.163264
604.375	590.697	2.21205577	0.159054
597.006	583.441	2.22275577	0.155174
591.926	578.471	2.23315577	0.151604
588.856	575.509	2.24325577	0.148324
587.481	574.239	2.25315577	0.145224
587.323	574.133	2.26275577	0.142364
588.418	575.378	2.27195577	0.139834
589.98	577.037	2.28095577	0.137414
591.757	578.909	2.28965577	0.135164
593.362	580.608	2.29815577	0.132964
594.42	581.76	2.30625577	0.131004
594.633	582.018	2.31415577	0.129034
593.503	581.024	2.32175577	0.127144
590.901	578.512	2.32905577	0.125304
586.518	574.217	2.33615577	0.123384
580.144	567.931	2.34285577	0.121584
571.621	559.496	2.34935577	0.119664
560.845	548.807	2.35555577	0.117714
547.769	535.818	2.36135577	0.115814
532.405	520.54	2.36685577	0.113844
514.824	503.044	2.37205577	0.111794
495.153	483.457	2.37685577	0.109744
473.576	461.964	2.38125577	0.107704
450.327	438.797	2.38525577	0.105644
425.686	414.237	2.38885577	0.103564
399.974	388.603	2.39195577	0.101554
373.544	362.25	2.39445577	0.099714
346.775	335.554	2.39655577	0.097844
320.062	308.912	2.39795577	0.096244
293.81	282.729	2.39885577	0.094694
268.425	257.408	2.39905577	0.093404
244.304	233.346	2.39865577	0.092274
221.829	210.926	2.39755577	0.091404
201.355	190.503	2.39565577	0.090874
183.21	172.402	2.39305577	0.090604
167.678	156.909	2.38975577	0.090564
154.999	144.264	2.38555577	0.090974
145.365	134.657	2.38065577	0.091614
138.909	128.223	2.37485577	0.092674
135.71	125.04	2.36825577	0.094044
135.339	124.674	2.36085577	0.095714
139.084	128.429	2.35265577	0.097674
145.507	134.853	2.34365577	0.099904
154.887	144.229	2.33375577	0.102494
167.003	156.335	2.32315577	0.105214
181.581	170.899	2.31175577	0.108154
198.305	187.605	2.29955577	0.111284
216.823	206.1	2.28665577	0.114494
236.754	226.004	2.27295577	0.117854
257.703	246.921	2.25865577	0.121144
279.266	268.447	2.24365577	0.124454
301.041	290.181	2.22805577	0.127644
322.635	311.732	2.21185577	0.130704
343.676	332.727	2.19505577	0.133624

363.816	352.819	2.17765577	0.136374
382.739	371.692	2.15975577	0.138834
400.167	389.07	2.14135577	0.141004
415.866	404.719	2.12245577	0.142874
429.647	418.45	2.10315577	0.144334
441.372	430.125	2.08335577	0.145474
450.953	439.657	2.06315577	0.146194
458.355	447.011	2.04245577	0.146594
463.598	452.207	2.02145577	0.146484
466.751	455.314	2.00005577	0.145964
467.933	456.451	1.97815577	0.145144
467.307	455.781	1.95595577	0.143844
465.077	453.506	1.93335577	0.142174
461.481	449.867	1.91035577	0.140144
456.787	445.13	1.88695577	0.137784
451.286	439.586	1.86315577	0.135124
445.285	433.542	1.83895577	0.132164
439.1	427.313	1.81435577	0.128944
433.049	421.218	1.78935577	0.125494
427.444	415.569	1.76395577	0.121824
422.585	410.666	1.73805577	0.118074
418.753	406.789	1.71175577	0.114184
416.202	404.193	1.68505577	0.110154
415.154	403.099	1.65785577	0.106144
415.796	403.693	1.63025577	0.102064
418.27	406.12	1.60225577	0.097944
422.679	410.48	1.57375577	0.093924
429.075	416.827	1.54495577	0.089834
437.467	425.169	1.51565577	0.085894
447.819	435.469	1.48595577	0.082044
460.048	447.645	1.45585577	0.078314
474.032	461.576	1.42545577	0.074624
489.614	477.102	1.39465577	0.071104
506.602	494.033	1.36345577	0.067794
524.778	512.151	1.33205577	0.064524
543.908	531.219	1.30035577	0.061404
563.739	550.986	1.26835577	0.058484
584.014	571.196	1.23615577	0.055684
604.475	591.589	1.20375577	0.053034
624.871	611.914	1.17115577	0.050554
644.963	631.933	1.13835577	0.048294
664.529	651.423	1.10545577	0.046164
683.372	670.187	1.07245577	0.044194
701.321	688.055	1.03935577	0.042424
718.237	704.887	1.00615577	0.040864
734.015	720.579	0.97295577	0.039464
748.586	735.062	0.93975577	0.038234
761.919	748.304	0.90655577	0.037206
774.018	760.31	0.87325577	0.036507
784.921	771.118	0.84005577	0.035961
794.703	780.803	0.80695577	0.035593
803.465	789.466	0.77375577	0.035627
811.335	797.237	0.74075577	0.035787
818.463	804.265	0.70775577	0.036293
825.015	810.717	0.67485577	0.037066

831.168	816.769	0.64205577	0.038125
837.102	822.604	0.60935577	0.039488
842.999	828.403	0.57665577	0.041271
849.031	834.339	0.54415577	0.043289
855.361	840.575	0.51175577	0.045653
862.127	847.255	0.47945577	0.048375
869.415	854.479	0.44735577	0.051358
877.264	862.27	0.41525577	0.054801
885.662	870.613	0.38345577	0.058403
894.608	879.485	0.35165577	0.062458
904.11	888.906	0.32015577	0.06666
914.215	898.921	0.28875577	0.071203
924.99	909.601	0.25755577	0.075977
936.51	921.025	0.22655577	0.080971
948.851	933.27	0.19575577	0.086173
962.07	946.397	0.16525577	0.091472
976.201	960.439	0.13495577	0.096956
991.237	975.391	0.10485577	0.102612
1007.13	991.208	0.07505577	0.108328
1023.79	1007.79	0.04555577	0.114091
1041.08	1025.01	0.01645577	0.119789
1058.8	1042.66	-0.01244423	0.125611
1076.73	1060.52	-0.04094423	0.131345
1094.61	1078.34	-0.06904423	0.13698
1112.17	1095.85	-0.09684423	0.142606
1129.16	1112.79	-0.12414423	0.148013
1145.3	1128.89	-0.15104423	0.153292
1160.34	1143.9	-0.17754423	0.158434
1174.06	1157.59	-0.20354423	0.163332
1186.23	1169.74	-0.22904423	0.16798
1196.68	1180.17	-0.25404423	0.172372
1205.23	1188.72	-0.27864423	0.176605
1211.78	1195.26	-0.30264423	0.180474
1216.24	1199.71	-0.32614423	0.184079
1218.55	1202.03	-0.34904423	0.187318
1218.9	1202.38	-0.37154423	0.190392
1216.74	1200.23	-0.39344423	0.193103
1212.71	1196.2	-0.41484423	0.195554
1206.7	1190.21	-0.43564423	0.197649
1198.84	1182.38	-0.45604423	0.199592
1189.3	1172.86	-0.47584423	0.201189
1178.25	1161.83	-0.49524423	0.202648
1165.9	1149.51	-0.51414423	0.203874
1152.47	1136.1	-0.53254423	0.204876
1138.19	1121.86	-0.55054423	0.205762
1123.33	1107.02	-0.56814423	0.20654
1108.13	1091.86	-0.58534423	0.207218
1092.86	1076.62	-0.60204423	0.207704
1077.77	1061.57	-0.61844423	0.208206
1063.13	1046.96	-0.63454423	0.208731
1049.16	1033.03	-0.65024423	0.209186
1036.1	1019.99	-0.66574423	0.209776
1024.13	1008.05	-0.68084423	0.210308
1013.43	997.383	-0.69564423	0.210884
1004.15	988.135	-0.71024423	0.211607

996.415	980.424	-0.72454423	0.21238
990.305	974.339	-0.73864423	0.213303
985.876	969.933	-0.75254423	0.214374
983.152	967.228	-0.76614423	0.215493
982.12	966.214	-0.77944423	0.216656
982.738	966.847	-0.79264423	0.218058
984.93	969.052	-0.80554423	0.219495
988.595	972.727	-0.81824423	0.22106
993.603	977.742	-0.83074423	0.222745
999.804	983.948	-0.84294423	0.224443
1007.03	991.172	-0.85494423	0.226245
1015.08	999.227	-0.86664423	0.228041
1023.77	1007.92	-0.87804423	0.229822
1032.89	1017.03	-0.88924423	0.231678
1042.23	1026.37	-0.90014423	0.233499
1051.57	1035.71	-0.91074423	0.235275
1060.72	1044.85	-0.92104423	0.236997
1069.47	1053.59	-0.93104423	0.238656
1077.64	1061.76	-0.94064423	0.240143
1085.06	1069.16	-0.94994423	0.241551
1091.56	1075.66	-0.95894423	0.242873
1097.02	1081.11	-0.96754423	0.244002
1101.31	1085.41	-0.97574423	0.244934
1104.36	1088.45	-0.98364423	0.245763
1106.1	1090.19	-0.99114423	0.246388
1106.49	1090.58	-0.99824423	0.246804
1105.5	1089.6	-1.00504423	0.247113
1103.16	1087.26	-1.01144423	0.247211
1099.48	1083.6	-1.01744423	0.247102
1094.53	1078.66	-1.02304423	0.246785
1088.36	1072.51	-1.02834423	0.246365
1081.07	1065.24	-1.03334423	0.245842
1072.77	1056.96	-1.03794423	0.245122
1063.55	1047.77	-1.04214423	0.244208
1053.54	1037.79	-1.04614423	0.243305
1042.88	1027.16	-1.04974423	0.242218
1031.69	1016.01	-1.05314423	0.241152
1020.12	1004.48	-1.05624423	0.240011
1008.29	992.688	-1.05904423	0.238801
996.331	980.777	-1.06154423	0.237525
984.381	968.871	-1.06384423	0.236287
972.556	957.093	-1.06594423	0.235091
960.97	945.553	-1.06784423	0.23394
949.726	934.357	-1.06954423	0.232835
938.919	923.597	-1.07104423	0.231778
928.631	913.357	-1.07234423	0.230769
918.933	903.706	-1.07354423	0.229907
909.884	894.702	-1.07454423	0.229091
901.528	886.391	-1.07544423	0.228418
893.897	878.805	-1.07624423	0.227884
887.011	871.96	-1.07694423	0.227486
880.874	865.865	-1.07744423	0.227117
875.479	860.509	-1.07794423	0.22697
870.806	855.874	-1.07824423	0.226839
866.823	851.927	-1.07854423	0.226916

863.485	848.624	-1.07874423	0.22709
860.741	845.913	-1.07894423	0.227452
858.526	843.731	-1.07894423	0.227791
856.768	842.005	-1.07894423	0.228297
855.39	840.658	-1.07884423	0.228856
854.308	839.605	-1.07864423	0.229457
853.432	838.759	-1.07844423	0.230187
852.672	838.028	-1.07814423	0.230933
851.935	837.32	-1.07784423	0.23178
851.127	836.543	-1.07744423	0.232616
850.159	835.604	-1.07694423	0.233426
848.942	834.418	-1.07634423	0.234196
847.392	832.901	-1.07574423	0.235011
845.432	830.974	-1.07514423	0.235858
842.991	828.568	-1.07444423	0.236622
840.005	825.617	-1.07364423	0.23729
836.417	822.067	-1.07284423	0.237946
832.18	817.871	-1.07194423	0.238477
827.261	812.992	-1.07104423	0.238968
821.636	807.408	-1.07014423	0.239407
815.297	801.11	-1.06914423	0.239678
808.249	794.106	-1.06814423	0.239869
800.511	786.412	-1.06714423	0.239965
792.111	778.058	-1.06624423	0.240053
783.087	769.082	-1.06524423	0.239921
773.484	759.531	-1.06424423	0.239654
763.354	749.454	-1.06334423	0.23934
752.749	738.905	-1.06244423	0.238868
741.723	727.939	-1.06154423	0.238223
730.331	716.609	-1.06084423	0.237596
718.622	704.967	-1.06014423	0.236773
706.644	693.058	-1.05954423	0.235843
694.439	680.926	-1.05904423	0.234794
682.045	668.607	-1.05864423	0.233615
669.49	656.131	-1.05844423	0.232395
656.799	643.522	-1.05844423	0.231121
643.991	630.797	-1.05854423	0.229683
631.075	617.968	-1.05884423	0.228169
618.058	605.04	-1.05934423	0.226567
604.942	592.013	-1.06004423	0.224865
591.723	578.886	-1.06104423	0.223152
578.396	565.651	-1.06224423	0.221315
564.952	552.302	-1.06364423	0.219343
551.384	538.828	-1.06544423	0.217424
537.685	525.223	-1.06744423	0.215346
523.85	511.482	-1.06984423	0.213298
509.876	497.603	-1.07254423	0.211167
495.767	483.587	-1.07554423	0.208943
481.533	469.445	-1.07894423	0.206715
467.189	455.191	-1.08274423	0.204473
452.76	440.851	-1.08694423	0.202207
438.279	426.456	-1.09154423	0.199907
423.788	412.049	-1.09654423	0.197566
409.34	397.682	-1.10204423	0.195275
394.998	383.417	-1.10804423	0.193029

380.832	369.326	-1.11444423	0.19072
366.925	355.488	-1.12144423	0.188545
353.366	341.995	-1.12884423	0.186299
340.252	328.941	-1.13684423	0.184179
327.686	316.431	-1.14534423	0.182084
315.775	304.572	-1.15444423	0.180111
304.631	293.474	-1.16414423	0.178262
294.364	283.247	-1.17444423	0.176536
285.083	274.001	-1.18524423	0.174834
276.895	265.842	-1.19674423	0.173364
269.899	258.87	-1.20884423	0.172014
264.187	253.176	-1.22164423	0.170904
259.841	248.842	-1.23494423	0.169824
256.929	245.936	-1.24894423	0.168994
255.507	244.515	-1.26364423	0.168394
255.368	244.374	-1.27894423	0.167954
257.273	246.267	-1.29484423	0.167654
260.489	249.468	-1.31134423	0.167524
265.249	254.207	-1.32854423	0.167644
271.522	260.453	-1.34634423	0.167934
279.257	268.157	-1.36484423	0.168494
288.388	277.253	-1.38384423	0.169124
298.833	287.657	-1.40344423	0.169924
310.493	299.272	-1.42364423	0.170914
323.259	311.989	-1.44444423	0.172094
337.008	325.685	-1.46574423	0.173354
351.612	340.231	-1.48754423	0.174714
366.934	355.491	-1.50984423	0.176174
382.836	371.328	-1.53274423	0.177844
399.178	387.601	-1.55594423	0.179414
415.822	404.172	-1.57974423	0.181214
432.635	420.91	-1.60384423	0.182934
449.494	437.689	-1.62844423	0.184794
466.284	454.397	-1.65334423	0.186594
482.905	470.932	-1.67864423	0.188454
499.271	487.209	-1.70424423	0.190274
515.313	503.159	-1.73014423	0.192074
530.98	518.731	-1.75644423	0.193974
546.238	533.892	-1.78284423	0.195674
561.073	548.627	-1.80964423	0.197504
575.49	562.941	-1.83664423	0.199264
589.512	576.858	-1.86384423	0.200994
603.179	590.417	-1.89124423	0.202704
616.548	603.676	-1.91884423	0.204404
629.689	616.704	-1.94654423	0.206034
642.686	629.586	-1.97444423	0.207714
655.632	642.414	-2.00254423	0.209454
668.627	655.289	-2.03064423	0.211084
681.777	668.317	-2.05894423	0.212834
695.192	681.609	-2.08724423	0.214534
708.984	695.276	-2.11564423	0.216294
723.262	709.427	-2.14414423	0.218154
738.132	724.169	-2.17254423	0.219924
753.694	739.601	-2.20104423	0.221844
770.037	755.813	-2.22954423	0.223834

787.242	772.885	-2.25804423	0.225914
805.372	790.882	-2.28644423	0.228014
824.479	809.854	-2.31484423	0.230264
844.594	829.832	-2.34304423	0.232474
865.729	850.83	-2.37124423	0.234874
887.877	872.841	-2.39924423	0.237284
911.011	895.837	-2.42704423	0.239734
935.081	919.768	-2.45474423	0.242324
960.017	944.564	-2.48214423	0.244894
985.728	970.137	-2.50934423	0.247554
1012.11	996.376	-2.53624423	0.250224
1039.02	1023.16	-2.56274423	0.252814
1066.34	1050.34	-2.58904423	0.255544
1093.9	1077.76	-2.61484423	0.258134
1121.54	1105.26	-2.64034423	0.260794
1149.08	1132.67	-2.66534423	0.263344
1176.35	1159.81	-2.68984423	0.265784
1203.16	1186.5	-2.71384423	0.268144
1229.33	1212.55	-2.73734423	0.270434
1254.69	1237.79	-2.76034423	0.272654
1279.06	1262.04	-2.78264423	0.274624
1302.29	1285.16	-2.80434423	0.276464
1324.21	1306.98	-2.82544423	0.278174
1344.71	1327.36	-2.84584423	0.279674
1363.64	1346.2	-2.86554423	0.280974
1380.92	1363.39	-2.88444423	0.281984
1396.45	1378.84	-2.90274423	0.282914
1410.19	1392.49	-2.92024423	0.283574
1422.08	1404.31	-2.93694423	0.283994
1432.12	1414.28	-2.95284423	0.284164
1440.31	1422.4	-2.96804423	0.284214
1446.67	1428.7	-2.98234423	0.283954
1451.27	1433.25	-2.99594423	0.283594
1454.18	1436.1	-3.00864423	0.282944
1455.58	1437.44	-3.02054423	0.282114
1455.32	1437.16	-3.03174423	0.281234
1453.8	1435.61	-3.04204423	0.280114
1451.09	1432.87	-3.05154423	0.278854
1447.36	1429.1	-3.06024423	0.277484
1442.77	1424.49	-3.06814423	0.276014
1437.5	1419.21	-3.07524423	0.274444
1431.76	1413.45	-3.08154423	0.272814
1425.74	1407.4	-3.08714423	0.271214
1419.63	1401.27	-3.09194423	0.269564
1413.62	1395.25	-3.09594423	0.267884
1407.91	1389.52	-3.09924423	0.266274
1402.67	1384.26	-3.10184423	0.264764
1398.07	1379.65	-3.10364423	0.263244
1394.28	1375.84	-3.10464423	0.261734
1391.43	1372.97	-3.10504423	0.260444
1389.65	1371.17	-3.10464423	0.259184
1389.03	1370.53	-3.10354423	0.258064
1389.66	1371.13	-3.10174423	0.257084
1391.58	1373.03	-3.09924423	0.256244
1394.84	1376.27	-3.09604423	0.255564

1399.43	1380.83	-3.09204423	0.254944
1405.34	1386.71	-3.08734423	0.254474
1412.51	1393.85	-3.08194423	0.254174
1420.88	1402.19	-3.07574423	0.253934
1430.36	1411.64	-3.06884423	0.253854
1440.82	1422.07	-3.06114423	0.253834
1452.13	1433.34	-3.05274423	0.253974
1464.13	1445.31	-3.04344423	0.254074
1476.66	1457.8	-3.03344423	0.254314
1489.52	1470.63	-3.02254423	0.254514
1502.51	1483.59	-3.01084423	0.254744
1515.44	1496.49	-2.99834423	0.255014
1528.11	1509.13	-2.98494423	0.255214
1540.29	1521.28	-2.97074423	0.255434
1551.79	1532.76	-2.95554423	0.255464
1562.41	1543.36	-2.93954423	0.255504
1571.96	1552.89	-2.92254423	0.255344
1580.27	1561.19	-2.90474423	0.255174
1587.17	1568.08	-2.88594423	0.254784
1592.52	1573.43	-2.86624423	0.254274
1596.22	1577.13	-2.84554423	0.253524
1598.15	1579.07	-2.82394423	0.252644
1598.44	1579.36	-2.80144423	0.251614
1596.49	1577.43	-2.77804423	0.250424
1592.83	1573.79	-2.75364423	0.248974
1587.3	1568.29	-2.72834423	0.247354
1579.93	1560.95	-2.70214423	0.245574
1570.8	1551.85	-2.67504423	0.243604
1560.01	1541.09	-2.64704423	0.241454
1547.66	1528.79	-2.61824423	0.239224
1533.92	1515.1	-2.58854423	0.236804
1518.95	1500.17	-2.55804423	0.234284
1502.93	1484.21	-2.52664423	0.231574
1486.07	1467.4	-2.49464423	0.228964
1468.59	1449.96	-2.46174423	0.226154
1450.69	1432.12	-2.42814423	0.223344
1432.62	1414.11	-2.39384423	0.220534
1414.6	1396.15	-2.35884423	0.217714
1396.86	1378.46	-2.32324423	0.214984
1379.62	1361.27	-2.28694423	0.212244
1363.08	1344.79	-2.25014423	0.209684
1347.45	1329.2	-2.21264423	0.207114
1332.89	1314.7	-2.17464423	0.204714
1319.57	1301.43	-2.13604423	0.202394
1307.62	1289.52	-2.09704423	0.200334
1297.15	1279.09	-2.05744423	0.198344
1288.23	1270.21	-2.01734423	0.196494
1280.92	1262.94	-1.97684423	0.194894
1275.23	1257.29	-1.93574423	0.193324
1271.16	1253.25	-1.89434423	0.192084
1268.67	1250.79	-1.85244423	0.190944
1267.69	1249.84	-1.81004423	0.189914
1268.12	1250.29	-1.76724423	0.189054
1269.82	1252.02	-1.72404423	0.188364
1272.66	1254.89	-1.68034423	0.187734

1276.46	1258.71	-1.63624423	0.187234
1281.03	1263.29	-1.59174423	0.186844
1286.15	1268.44	-1.54674423	0.186454
1291.61	1273.92	-1.50134423	0.186144
1297.17	1279.51	-1.45554423	0.185884
1302.59	1284.96	-1.40924423	0.185564
1307.64	1290.04	-1.36244423	0.185164
1312.07	1294.5	-1.31524423	0.184744
1315.65	1298.12	-1.26754423	0.184214
1318.14	1300.65	-1.21944423	0.183624
1319.37	1301.95	-1.17084423	0.182868
1319.01	1301.62	-1.12174423	0.181922
1317	1299.67	-1.07224423	0.180866
1313.15	1295.88	-1.02224423	0.179579
1307.31	1290.11	-0.97184423	0.178144
1299.38	1282.25	-0.92104423	0.176541
1289.26	1272.22	-0.86974423	0.174651
1276.92	1259.97	-0.81814423	0.172659
1262.32	1245.47	-0.76614423	0.170447
1245.48	1228.73	-0.71374423	0.168
1226.44	1209.8	-0.66094423	0.165302
1205.26	1188.75	-0.60784423	0.16244
1182.06	1165.67	-0.55454423	0.159498
1156.96	1140.7	-0.50094423	0.156365
1130.12	1113.98	-0.44714423	0.153128
1101.7	1085.71	-0.39304423	0.149674
1071.92	1056.07	-0.33894423	0.146291
1040.98	1025.28	-0.28464423	0.142769
1009.12	993.562	-0.23024423	0.139194
976.561	961.162	-0.17584423	0.135657
943.563	928.32	-0.12144423	0.132145
910.365	895.28	-0.06704423	0.128646
877.21	862.285	-0.01274423	0.125248
844.335	829.57	0.04145577	0.121938
811.966	797.362	0.09545577	0.118804
780.314	765.871	0.14935577	0.11573
749.574	735.291	0.20295577	0.112903
719.919	705.795	0.25625577	0.110306
691.499	677.533	0.30935577	0.107822
664.439	650.63	0.36205577	0.105634
638.836	625.182	0.41435577	0.103722
614.758	601.257	0.46635577	0.101966
592.244	578.894	0.51795577	0.100445
571.306	558.103	0.56905577	0.099235
551.971	538.881	0.61965577	0.098315
534.254	521.278	0.66985577	0.097562
518.184	505.32	0.71945577	0.097156
503.758	491.001	0.76865577	0.096874
490.937	478.288	0.81725577	0.096893
479.661	467.113	0.86535577	0.09709
469.832	457.387	0.91285577	0.097544
461.333	448.986	0.95975577	0.098214
454.017	441.769	1.00615577	0.098994
447.723	435.569	1.05205577	0.099854
442.264	430.206	1.09725577	0.100964

437.448	425.481	1.14195577	0.102094
433.066	421.191	1.18605577	0.103314
428.908	417.123	1.22955577	0.104604
424.763	413.068	1.27245577	0.105944
420.423	408.817	1.31475577	0.107294
415.689	404.171	1.35655577	0.108534
410.374	398.945	1.39765577	0.109844
404.31	392.969	1.43825577	0.110994
397.349	386.095	1.47825577	0.112054
389.366	378.199	1.51755577	0.113124
380.265	369.185	1.55635577	0.113964
369.979	358.986	1.59445577	0.114754
358.474	347.567	1.63205577	0.115294
345.748	334.926	1.66885577	0.115864
331.832	321.095	1.70515577	0.116144
316.791	306.137	1.74065577	0.116414
300.722	290.151	1.77555577	0.116484
283.753	273.262	1.80975577	0.116434
266.041	255.629	1.84325577	0.116254
247.768	237.432	1.87605577	0.115954
229.14	218.877	1.90805577	0.115614
210.379	200.186	1.93935577	0.115134
191.723	181.597	1.96985577	0.114624
173.419	163.354	1.99955577	0.114064
155.716	145.71	2.02835577	0.113574
138.866	128.913	2.05635577	0.113054
123.113	113.207	2.08355577	0.112484
108.688	98.8239	2.10985577	0.111984
95.8076	85.9799	2.13525577	0.111554
84.665	74.8681	2.15975577	0.111194
75.4266	65.6549	2.18335577	0.110894
68.2256	58.4741	2.20605577	0.110664
63.1574	53.4215	2.22775577	0.110604
60.2737	50.55	2.24855577	0.110614
59.5777	49.8636	2.26845577	0.110684
61.0191	51.3133	2.28745577	0.110814
64.4912	54.7934	2.30555577	0.110994
69.8302	60.1406	2.32265577	0.111334
76.8179	67.1364	2.33885577	0.111714
85.1905	75.5157	2.35415577	0.112134
94.651	84.9795	2.36865577	0.112494
104.887	95.2132	2.38215577	0.112984
115.59	105.906	2.39485577	0.113404
126.471	116.768	2.40675577	0.113734
137.276	127.545	2.41775577	0.114084
147.79	138.024	2.42795577	0.114354
157.845	148.037	2.43735577	0.114534
167.315	157.461	2.44595577	0.114614
176.118	166.215	2.45385577	0.114524
184.211	174.256	2.46085577	0.114434
191.588	181.58	2.46715577	0.114174
198.274	188.213	2.47275577	0.113734
204.322	194.207	2.47755577	0.113234
209.808	199.639	2.48165577	0.112564
214.825	204.602	2.48495577	0.111844

219.478	209.201	2.48765577	0.110884
223.882	213.551	2.48955577	0.109904
228.156	217.77	2.49075577	0.108794
232.417	221.977	2.49125577	0.107584
236.779	226.285	2.49105577	0.106284
241.348	230.799	2.49015577	0.104894
246.219	235.613	2.48865577	0.103344
251.472	240.809	2.48635577	0.101844
257.173	246.451	2.48345577	0.100214
263.373	252.591	2.47985577	0.098544
270.104	259.261	2.47555577	0.096874
277.387	266.481	2.47075577	0.095004
285.226	274.256	2.46515577	0.093254
293.614	282.579	2.45895577	0.091434
302.535	291.434	2.45225577	0.089454
311.962	300.793	2.44475577	0.087624
321.858	310.62	2.43685577	0.085574
332.18	320.871	2.42825577	0.083604
342.872	331.493	2.41905577	0.081624
353.876	342.424	2.40935577	0.079554
365.123	353.597	2.39905577	0.077494
376.54	364.938	2.38825577	0.075374
388.046	376.368	2.37695577	0.073194
399.557	387.8	2.36515577	0.070964
410.983	399.145	2.35285577	0.068704
422.23	410.309	2.34005577	0.066424
433.202	421.198	2.32685577	0.064034
443.805	431.716	2.31315577	0.061644
453.944	441.767	2.29905577	0.059174
463.524	451.261	2.28445577	0.056734
472.462	460.121	2.26945577	0.054244
480.709	468.299	2.25415577	0.051594
488.251	475.781	2.23835577	0.049024
495.112	482.59	2.22225577	0.046334
501.351	488.786	2.20575577	0.043634
507.056	494.456	2.18885577	0.040954
512.338	499.708	2.17155577	0.038294
517.324	504.667	2.15405577	0.035484
522.145	509.464	2.13615577	0.032714
526.933	514.228	2.11785577	0.030024
531.813	519.083	2.09935577	0.027214
536.896	524.14	2.08045577	0.024504
542.279	529.496	2.06125577	0.021804
548.042	535.229	2.04185577	0.019024
554.245	541.399	2.02205577	0.016384
560.928	548.048	2.00205577	0.013694
568.115	555.198	1.98175577	0.011074
575.809	562.853	1.96125577	0.008424
583.999	571.002	1.94045577	0.005854
592.658	579.62	1.91935577	0.003384
601.749	588.667	1.89815577	0.000834
611.221	598.095	1.87665577	-0.00161
621.017	607.846	1.85495577	-0.00402
631.072	617.855	1.83315577	-0.00649
641.318	628.055	1.81105577	-0.0088

651.683	638.375	1.78885577	-0.01116
662.096	648.742	1.76655577	-0.01354
672.487	659.087	1.74405577	-0.01584
682.786	669.341	1.72145577	-0.01815
692.93	679.439	1.69875577	-0.02046
702.858	689.322	1.67595577	-0.02275
712.518	698.937	1.65305577	-0.02502
721.861	708.236	1.63005577	-0.02726
730.847	717.18	1.60705577	-0.02954
739.446	725.735	1.58395577	-0.03178
747.632	733.879	1.56085577	-0.03404
755.39	741.595	1.53775577	-0.03632
762.712	748.876	1.51455577	-0.03851
769.599	755.722	1.49145577	-0.0408
776.06	762.142	1.46825577	-0.04296
782.112	768.152	1.44505577	-0.0451
787.778	773.777	1.42195577	-0.04729
793.089	779.048	1.39885577	-0.04942
798.083	784.001	1.37575577	-0.05147
802.801	788.678	1.35265577	-0.05344
807.292	793.127	1.32965577	-0.0554
811.605	797.398	1.30665577	-0.05725
815.794	801.546	1.28375577	-0.05906
819.914	805.623	1.26085577	-0.06072
824.019	809.685	1.23805577	-0.06231
828.163	813.786	1.21525577	-0.06372
832.397	817.977	1.19265577	-0.06513
836.768	822.305	1.17005577	-0.06633
841.318	826.812	1.14745577	-0.0673
846.085	831.536	1.12505577	-0.06823
851.097	836.505	1.10265577	-0.06889
856.379	841.744	1.08045577	-0.06948
861.946	847.268	1.05825577	-0.06977
867.805	853.084	1.03615577	-0.06986
873.958	859.194	1.01425577	-0.06984
880.398	865.591	0.99245577	-0.06959
887.11	872.261	0.97075577	-0.06909
894.075	879.184	0.94915577	-0.06833
901.266	886.333	0.92775577	-0.06741
908.653	893.678	0.90655577	-0.06631
916.2	901.183	0.88535577	-0.06482
923.868	908.809	0.86445577	-0.06323
931.616	916.516	0.84375577	-0.06143
939.402	924.261	0.82315577	-0.05931
947.183	932	0.80275577	-0.05697
954.916	939.693	0.78255577	-0.05439
962.562	947.299	0.76265577	-0.05167
970.082	954.778	0.74285577	-0.0486
977.442	962.098	0.72335577	-0.04537
984.611	969.227	0.70405577	-0.04189
991.564	976.14	0.68505577	-0.03824
998.279	982.816	0.66625577	-0.03433
1004.74	989.24	0.64775577	-0.03024
1010.94	995.403	0.62955577	-0.02598
1016.88	1001.3	0.61155577	-0.02144

1022.55	1006.94	0.59385577	-0.01673
1027.97	1012.32	0.57645577	-0.01184
1033.14	1017.46	0.55935577	-0.00677
1038.09	1022.37	0.54255577	-0.00153
1042.83	1027.08	0.52605577	0.003876
1047.38	1031.6	0.50985577	0.009449
1051.77	1035.95	0.49395577	0.01518
1056.01	1040.17	0.47835577	0.021063
1060.13	1044.26	0.46315577	0.026989
1064.13	1048.24	0.44825577	0.033048
1068.04	1052.13	0.43365577	0.039227
1071.84	1055.91	0.41935577	0.045514
1075.53	1059.59	0.40545577	0.051793
1079.08	1063.13	0.39185577	0.058148
1082.47	1066.51	0.37865577	0.06446
1085.64	1069.68	0.36575577	0.070808
1088.54	1072.58	0.35325577	0.077071
1091.07	1075.12	0.34105577	0.083322
1093.16	1077.22	0.32925577	0.089431
1094.66	1078.76	0.31775577	0.095463
1095.46	1079.59	0.30665577	0.101287
1095.54	1079.69	0.29595577	0.106867
1094.28	1078.52	0.28555577	0.112269
1091.96	1076.26	0.27555577	0.117358
1088.23	1072.62	0.26585577	0.1222
1082.91	1067.38	0.25655577	0.126661
1075.8	1060.37	0.24755577	0.130808
1066.71	1051.39	0.23895577	0.134507
1055.48	1040.27	0.23065577	0.137828
1041.96	1026.87	0.22255577	0.14084
1026.01	1011.06	0.21485577	0.143314
1007.53	992.722	0.20745577	0.145325
986.47	971.808	0.20025577	0.146946
962.796	948.287	0.19325577	0.148154
936.527	922.175	0.18645577	0.148928
907.723	893.533	0.17985577	0.14925
876.491	862.466	0.17335577	0.149202
842.985	829.128	0.16695577	0.148769
807.404	793.716	0.16055577	0.148038
769.989	756.472	0.15425577	0.146899
731.024	717.678	0.14785577	0.145541
690.827	677.651	0.14135577	0.143959
649.748	636.742	0.13475577	0.142145
608.163	595.325	0.12795577	0.140194
566.466	553.793	0.12095577	0.138103
525.059	512.55	0.11355577	0.136068
484.351	472.003	0.10595577	0.133885
444.743	432.552	0.09785577	0.13185
406.623	394.586	0.08935577	0.129861
370.359	358.47	0.08045577	0.127911
336.285	324.543	0.07095577	0.126196
304.703	293.102	0.06095577	0.124607
275.867	264.403	0.05035577	0.123236
249.984	238.652	0.03905577	0.122171
227.204	216	0.02715577	0.1213

207.618	196.538	0.01445577	0.120807
191.256	180.296	0.00115577	0.120473
178.084	167.24	-0.01284423	0.120379
168.006	157.274	-0.02764423	0.120602
160.864	150.241	-0.04324423	0.121118
156.443	145.924	-0.05954423	0.121799
154.316	143.945	-0.07664423	0.122717
154.65	144.326	-0.09444423	0.123745
156.622	146.387	-0.11304423	0.124951
160.02	149.869	-0.13244423	0.126306
164.465	154.39	-0.15254423	0.127682
169.578	159.571	-0.17334423	0.129051
174.997	165.048	-0.19494423	0.130487
180.387	170.485	-0.21724423	0.131867
185.45	175.586	-0.24024423	0.133171
189.941	180.103	-0.26404423	0.134485
193.67	183.847	-0.28844423	0.135597
196.511	186.691	-0.31354423	0.136601
198.404	188.575	-0.33934423	0.137497
199.359	189.508	-0.36584423	0.138288
199.505	189.639	-0.39304423	0.138985
198.821	188.893	-0.42084423	0.139504
197.67	187.686	-0.44934423	0.139965
196.252	186.202	-0.47854423	0.140394
194.864	184.737	-0.50844423	0.140821
193.839	183.625	-0.53894423	0.141179
193.532	183.222	-0.57014423	0.141606
194.313	183.897	-0.60194423	0.142042
196.551	186.021	-0.63444423	0.142627
200.605	189.954	-0.66764423	0.143406
206.814	196.034	-0.70144423	0.144321
215.484	204.567	-0.73584423	0.145416
226.882	215.82	-0.77094423	0.146835
241.227	230.014	-0.80654423	0.14842
258.687	247.314	-0.84284423	0.150412
279.372	267.833	-0.87964423	0.152651
303.337	291.622	-0.91694423	0.155175
330.575	318.678	-0.95474423	0.158019
361.025	348.937	-0.99304423	0.161217
394.57	382.283	-1.03184423	0.164802
431.04	418.546	-1.07094423	0.168603
470.214	457.505	-1.11034423	0.172649
511.827	498.896	-1.15004423	0.176965
555.571	542.413	-1.19004423	0.181574
601.104	587.714	-1.23014423	0.186314
648.054	634.427	-1.27044423	0.191284
696.027	682.158	-1.31084423	0.196434
744.609	730.494	-1.35114423	0.201564
793.375	779.01	-1.39144423	0.206794
841.891	827.273	-1.43164423	0.212064
889.719	874.844	-1.47174423	0.217394
936.427	921.297	-1.51164423	0.222684
981.608	966.236	-1.55114423	0.227784
1024.92	1009.32	-1.59044423	0.232894
1066.08	1050.27	-1.62934423	0.237864

1104.9	1088.9	-1.66784423	0.242694
1141.26	1125.08	-1.70584423	0.247324
1175.09	1158.74	-1.74334423	0.251774
1206.4	1189.89	-1.78034423	0.256074
1235.22	1218.56	-1.81674423	0.260154
1261.63	1244.83	-1.85244423	0.263944
1285.73	1268.79	-1.88754423	0.267564
1307.63	1290.56	-1.92204423	0.271044
1327.46	1310.26	-1.95574423	0.274204
1345.35	1328.02	-1.98874423	0.277184
1361.43	1343.98	-2.02104423	0.280004
1375.85	1358.29	-2.05254423	0.282584
1388.74	1371.07	-2.08324423	0.284954
1400.26	1382.49	-2.11324423	0.287244
1410.53	1392.66	-2.14244423	0.289354
1419.69	1401.73	-2.17074423	0.291234
1427.88	1409.84	-2.19824423	0.292974
1435.22	1417.1	-2.22494423	0.294614
1441.84	1423.64	-2.25084423	0.296164
1447.84	1429.57	-2.27594423	0.297634
1453.33	1435	-2.30014423	0.298954
1458.42	1440.03	-2.32354423	0.300224
1463.18	1444.74	-2.34604423	0.301354
1467.7	1449.21	-2.36774423	0.302464
1472.05	1453.51	-2.38854423	0.303464
1476.29	1457.7	-2.40854423	0.304454
1480.47	1461.84	-2.42764423	0.305354
1484.64	1465.97	-2.44594423	0.306264
1488.83	1470.11	-2.46334423	0.307094
1493.06	1474.31	-2.47994423	0.307954
1497.37	1478.58	-2.49564423	0.308734
1501.76	1482.94	-2.51044423	0.309454
1506.24	1487.39	-2.52444423	0.310224
1510.82	1491.93	-2.53754423	0.310924
1515.49	1496.57	-2.54974423	0.311584
1520.25	1501.3	-2.56104423	0.312194
1525.08	1506.09	-2.57144423	0.312754
1529.96	1510.95	-2.58104423	0.313374
1534.89	1515.84	-2.58964423	0.313864
1539.82	1520.75	-2.59744423	0.314414
1544.75	1525.65	-2.60424423	0.314834
1549.63	1530.51	-2.61024423	0.315314
1554.45	1535.3	-2.61524423	0.315674
1559.16	1539.99	-2.61934423	0.316014
1563.74	1544.54	-2.62254423	0.316324
1568.15	1548.93	-2.62474423	0.316514
1572.35	1553.11	-2.62614423	0.316784
1576.31	1557.05	-2.62644423	0.316834
1580	1560.72	-2.62594423	0.316974
1583.37	1564.07	-2.62444423	0.316994
1586.39	1567.08	-2.62194423	0.316904
1589.03	1569.71	-2.61854423	0.316794
1591.26	1571.93	-2.61414423	0.316574
1593.04	1573.7	-2.60884423	0.316344
1594.35	1575.01	-2.60254423	0.315994

1595.16	1575.82	-2.59534423	0.315634
1595.45	1576.1	-2.58714423	0.315164
1595.18	1575.84	-2.57794423	0.314564
1594.34	1575	-2.56784423	0.313954
1592.9	1573.57	-2.55674423	0.313214
1590.83	1571.52	-2.54464423	0.312344
1588.12	1568.84	-2.53174423	0.311544
1584.75	1565.49	-2.51774423	0.310494
1580.7	1561.46	-2.50294423	0.309504
1575.93	1556.73	-2.48714423	0.308364
1570.45	1551.28	-2.47034423	0.307064
1564.22	1545.09	-2.45274423	0.305784
1557.24	1538.15	-2.43424423	0.304424
1549.48	1530.45	-2.41474423	0.302874
1540.95	1521.97	-2.39444423	0.301314
1531.63	1512.71	-2.37324423	0.299644
1521.52	1502.66	-2.35124423	0.297934
1510.62	1491.82	-2.32834423	0.296084
1498.93	1480.21	-2.30464423	0.294174
1486.47	1467.83	-2.28014423	0.292194
1473.26	1454.69	-2.25484423	0.290124
1459.32	1440.83	-2.22884423	0.288054
1444.68	1426.27	-2.20194423	0.285754
1429.38	1411.05	-2.17444423	0.283524
1413.46	1395.22	-2.14614423	0.281144
1396.98	1378.83	-2.11724423	0.278794
1379.99	1361.94	-2.08764423	0.276354
1362.57	1344.61	-2.05734423	0.273814
1344.79	1326.92	-2.02654423	0.271354
1326.71	1308.94	-1.99504423	0.268754
1308.43	1290.75	-1.96304423	0.266204
1290.02	1272.44	-1.93054423	0.263684
1271.57	1254.09	-1.89744423	0.261084
1253.16	1235.77	-1.86384423	0.258484
1234.87	1217.58	-1.82984423	0.255954
1216.78	1199.59	-1.79534423	0.253394
1198.97	1181.87	-1.76044423	0.250874
1181.5	1164.5	-1.72514423	0.248394
1164.43	1147.53	-1.68944423	0.245924
1147.83	1131.02	-1.65344423	0.243544
1131.72	1115.01	-1.61704423	0.241144
1116.16	1099.54	-1.58034423	0.238794
1101.15	1084.62	-1.54344423	0.236594
1086.71	1070.28	-1.50624423	0.234414
1072.84	1056.51	-1.46874423	0.232244
1059.54	1043.3	-1.43104423	0.230154
1046.77	1030.63	-1.39314423	0.228124
1034.51	1018.45	-1.35504423	0.226144
1022.7	1006.74	-1.31674423	0.224184
1011.29	995.422	-1.27834423	0.222324
1000.21	984.438	-1.23974423	0.220454
989.385	973.711	-1.20094423	0.218538
978.732	963.155	-1.16214423	0.216762
968.159	952.68	-1.12314423	0.214901
957.567	942.188	-1.08404423	0.213031

946.853	931.577	-1.04494423	0.21123
935.912	920.741	-1.00564423	0.209273
924.637	909.573	-0.96644423	0.207438
912.919	897.965	-0.92714423	0.205498
900.654	885.813	-0.88774423	0.203432
887.74	873.016	-0.84834423	0.201312
874.083	859.478	-0.80904423	0.199216
859.593	845.111	-0.76974423	0.197018
844.193	829.836	-0.73044423	0.194693
827.815	813.587	-0.69114423	0.192218
810.403	796.309	-0.65204423	0.189767
791.919	777.96	-0.61294423	0.187117
772.336	758.516	-0.57394423	0.184344
751.647	737.968	-0.53514423	0.181524
729.86	716.325	-0.49654423	0.178635
707.002	693.613	-0.45804423	0.175554
683.119	669.878	-0.41984423	0.172459
658.273	645.182	-0.38184423	0.16923
632.546	619.605	-0.34404423	0.165844
606.035	593.246	-0.30664423	0.162483
578.855	566.218	-0.26954423	0.159027
551.133	538.648	-0.23284423	0.155558
523.01	510.677	-0.19654423	0.152057
494.637	482.455	-0.16064423	0.148507
466.175	454.143	-0.12514423	0.144893
437.789	425.905	-0.09024423	0.141397
409.649	397.911	-0.05574423	0.137805
381.925	370.331	-0.02194423	0.134401
354.784	343.33	0.01135577	0.130971
328.391	317.075	0.04405577	0.1276
302.905	291.722	0.07605577	0.124374
278.475	267.422	0.10745577	0.12118
255.238	244.31	0.13805577	0.118203
233.319	222.511	0.16805577	0.11523
212.824	202.133	0.19715577	0.112547
193.844	183.264	0.22565577	0.10984
176.448	165.974	0.25325577	0.107395
160.685	150.313	0.28005577	0.105098
146.584	136.308	0.30605577	0.102935
134.153	123.966	0.33115577	0.100991
123.376	113.274	0.35545577	0.099153
114.223	104.199	0.37895577	0.097406
106.643	96.6904	0.40155577	0.095837
100.567	90.6807	0.42325577	0.094431
95.917	86.0893	0.44405577	0.093176
92.5997	82.8242	0.46395577	0.092059
90.5151	80.7846	0.48305577	0.090968
89.5568	79.79	0.50115577	0.090093
89.466	79.9545	0.51845577	0.089224
90.5838	80.9459	0.53485577	0.088451
92.3548	82.7331	0.55035577	0.087769
94.8291	85.2163	0.56505577	0.08707
97.9155	88.304	0.57885577	0.086452
101.534	91.9159	0.59175577	0.085911
105.616	95.9842	0.60375577	0.085447

110.108	100.456	0.61495577	0.084962
114.974	105.293	0.62535577	0.084458
120.191	110.475	0.63485577	0.084042
125.755	115.997	0.64355577	0.083619
131.676	121.868	0.65145577	0.083199
137.977	128.114	0.65845577	0.082894
144.697	134.773	0.66465577	0.082615
151.884	141.893	0.67015577	0.082276
159.599	149.534	0.67475577	0.082095
167.907	157.765	0.67865577	0.081887
176.884	166.658	0.68175577	0.081772
186.606	176.29	0.68405577	0.08177
197.153	186.743	0.68565577	0.081802
208.602	198.093	0.68645577	0.081989
221.03	210.417	0.68655577	0.082254
234.507	223.783	0.68605577	0.082521
249.095	238.255	0.68475577	0.083015
264.847	253.886	0.68275577	0.083659
281.806	270.719	0.68015577	0.084378
300.004	288.785	0.67695577	0.085198
319.459	308.102	0.67315577	0.086145
340.178	328.678	0.66865577	0.087345
362.153	350.506	0.66365577	0.088624
385.366	373.565	0.65815577	0.090008
409.782	397.824	0.65215577	0.091523
435.357	423.236	0.64555577	0.093298
462.031	449.743	0.63865577	0.095057
489.732	477.275	0.63125577	0.097029
518.377	505.746	0.62355577	0.099041
547.873	535.064	0.61545577	0.101219
578.119	565.129	0.60705577	0.10349
609.01	595.834	0.59835577	0.105882
640.435	627.071	0.58945577	0.108322
672.279	658.726	0.58025577	0.110935
704.424	690.681	0.57105577	0.113449
736.749	722.815	0.56165577	0.116089
769.127	755.003	0.55215577	0.118782
801.427	787.113	0.54265577	0.121451
833.51	819.01	0.53315577	0.124121
865.234	850.55	0.52365577	0.126817
896.447	881.582	0.51425577	0.129459
926.99	911.951	0.50495577	0.132071
956.704	941.5	0.49575577	0.134672
985.438	970.078	0.48675577	0.137184
1013.05	997.54	0.47795577	0.139624
1039.39	1023.75	0.46945577	0.141909
1064.35	1048.59	0.46125577	0.144058
1087.81	1071.94	0.45325577	0.146185
1109.67	1093.68	0.44565577	0.148104
1129.81	1113.74	0.43845577	0.149828
1148.16	1132	0.43165577	0.15137
1164.62	1148.4	0.42525577	0.15274
1179.13	1162.84	0.41925577	0.153948
1191.61	1175.28	0.41365577	0.155003
1201.98	1185.62	0.40865577	0.155711

1210.18	1193.79	0.40405577	0.156275
1216.12	1199.72	0.39995577	0.156601
1219.77	1203.36	0.39635577	0.156688
1221.08	1204.68	0.39325577	0.15654
1220.06	1203.66	0.39065577	0.156156
1216.7	1200.32	0.38855577	0.155536
1211.04	1194.69	0.38695577	0.154679
1203.12	1186.81	0.38585577	0.153586
1192.99	1176.74	0.38525577	0.152254
1180.72	1164.53	0.38515577	0.150685
1166.37	1150.26	0.38545577	0.148978
1150.03	1134.01	0.38615577	0.147132
1131.8	1115.87	0.38735577	0.145047
1111.77	1095.94	0.38895577	0.142824
1090.09	1074.36	0.39085577	0.140563
1066.88	1051.26	0.39315577	0.138164
1042.31	1026.81	0.39575577	0.135726
1016.58	1001.19	0.39865577	0.133251
989.878	974.606	0.40175577	0.130838
962.444	947.287	0.40515577	0.128387
934.523	919.48	0.40875577	0.125996
906.38	891.447	0.41245577	0.123764
878.291	863.466	0.41625577	0.12169
850.544	835.823	0.42015577	0.119771
823.431	808.809	0.42415577	0.118006
797.246	782.718	0.42815577	0.116489
772.277	757.838	0.43215577	0.115218
748.807	734.45	0.43605577	0.114287
727.101	712.821	0.43995577	0.113591
707.41	693.199	0.44375577	0.113222
689.96	675.81	0.44735577	0.113274
674.95	660.853	0.45085577	0.113638
662.549	648.497	0.45425577	0.114304
652.89	638.875	0.45735577	0.115462
646.071	632.086	0.46035577	0.1169
642.152	628.187	0.46315577	0.118706
641.15	627.198	0.46575577	0.120866
643.043	629.096	0.46815577	0.123366
647.769	633.819	0.47035577	0.12619
655.225	641.265	0.47235577	0.129321
665.269	651.292	0.47415577	0.132743
677.722	663.722	0.47575577	0.136438
692.371	678.341	0.47725577	0.140287
708.969	694.905	0.47855577	0.144371
727.243	713.139	0.47975577	0.14857
746.892	732.746	0.48085577	0.152866
767.599	753.406	0.48195577	0.157137
789.026	774.785	0.48295577	0.161464
810.83	796.538	0.48385577	0.165827
832.658	818.315	0.48485577	0.170006
854.162	839.768	0.48585577	0.174084
874.998	860.554	0.48685577	0.17804
894.834	880.341	0.48795577	0.181759
913.356	898.817	0.48925577	0.185124
930.27	915.688	0.49055577	0.18832

945.309	930.689	0.49205577	0.191133
958.238	943.583	0.49365577	0.193651
968.852	954.168	0.49555577	0.195665
976.987	962.281	0.49755577	0.197366
982.521	967.798	0.49975577	0.198647
985.374	970.641	0.50215577	0.199504
985.782	971.046	0.50475577	0.199936
982.944	968.211	0.50765577	0.199841
977.733	963.009	0.51065577	0.199422
969.98	955.272	0.51385577	0.198582
959.834	945.147	0.51735577	0.197228
947.484	932.822	0.52095577	0.195568
933.156	918.524	0.52465577	0.19361
917.112	902.513	0.52855577	0.191268
899.643	885.079	0.53265577	0.188554
881.064	866.538	0.53675577	0.185682
861.711	847.223	0.54095577	0.182568
841.933	827.483	0.54525577	0.179228
822.087	807.674	0.54955577	0.175781
802.533	788.156	0.55395577	0.172144
783.628	769.283	0.55825577	0.168537
765.718	751.403	0.56255577	0.164877
749.137	734.846	0.56675577	0.161283
734.195	719.925	0.57085577	0.157775
721.178	706.925	0.57495577	0.154269
710.337	696.096	0.57885577	0.150985
701.881	687.649	0.58275577	0.147738
695.973	681.747	0.58635577	0.144845
692.727	678.503	0.58995577	0.142022
692.122	677.898	0.59335577	0.139483
694.4	680.17	0.59655577	0.137243
699.271	685.034	0.59965577	0.135214
706.707	692.46	0.60265577	0.133409
716.546	702.287	0.60555577	0.131837
728.577	714.305	0.60825577	0.13061
742.545	728.256	0.61085577	0.129636
758.152	743.846	0.61345577	0.128823
775.069	760.743	0.61585577	0.128377
792.939	778.594	0.61835577	0.128005
811.389	797.022	0.62075577	0.127911
830.034	815.645	0.62315577	0.128
848.488	834.078	0.62555577	0.128274
866.373	851.941	0.62805577	0.128636
883.325	868.871	0.63055577	0.129187
899.001	884.527	0.63315577	0.129828
913.09	898.597	0.63585577	0.130558
925.317	910.807	0.63875577	0.131278
935.448	920.922	0.64165577	0.132185
943.296	928.756	0.64475577	0.133078
948.725	934.174	0.64805577	0.133954
951.65	937.092	0.65155577	0.134811
952.161	937.601	0.65515577	0.135745
949.908	935.347	0.65895577	0.136653
945.327	930.77	0.66285577	0.13763
938.406	923.86	0.66695577	0.138572

929.301	914.769	0.67125577	0.139472
918.202	903.69	0.67565577	0.140426
905.331	890.843	0.68015577	0.141427
890.935	876.477	0.68475577	0.142468
875.28	860.855	0.68945577	0.143542
858.642	844.255	0.69425577	0.144639
841.302	826.958	0.69915577	0.145751
823.541	809.242	0.70405577	0.146969
805.631	791.381	0.70895577	0.14828
787.836	773.634	0.71375577	0.149773
770.413	756.259	0.71865577	0.151234
753.611	739.503	0.72345577	0.152849
737.664	723.602	0.72815577	0.1546
722.788	708.772	0.73285577	0.15637
709.176	695.205	0.73735577	0.158339
696.99	683.064	0.74175577	0.160386
686.358	672.478	0.74595577	0.162587
677.371	663.536	0.75005577	0.164821
670.077	656.289	0.75395577	0.167162
664.482	650.741	0.75775577	0.169486
660.548	646.856	0.76125577	0.171966
658.198	644.553	0.76465577	0.174376
657.31	643.715	0.76785577	0.176791
657.731	644.184	0.77085577	0.179184
659.272	645.774	0.77365577	0.181529
661.722	648.272	0.77625577	0.183802
664.848	651.445	0.77875577	0.185879
668.405	655.047	0.78095577	0.187936
672.143	658.829	0.78305577	0.189751
675.814	662.542	0.78495577	0.191406
679.18	665.948	0.78665577	0.192882
682.02	668.824	0.78825577	0.194064
684.135	670.973	0.78965577	0.195039
685.356	672.225	0.79095577	0.195697
685.589	672.471	0.79205577	0.19613
684.619	671.536	0.79295577	0.196334
682.511	669.446	0.79375577	0.196207
679.214	666.163	0.79435577	0.195851
674.766	661.723	0.79485577	0.195172
669.246	656.206	0.79515577	0.194278
662.779	649.737	0.79525577	0.19318
655.531	642.482	0.79515577	0.191893
647.706	634.644	0.79495577	0.190334
639.539	626.459	0.79445577	0.188723
631.292	618.189	0.79375577	0.186982
623.246	610.115	0.79285577	0.185136
615.696	602.532	0.79175577	0.18321
608.939	595.737	0.79045577	0.181229
603.27	590.026	0.78875577	0.179423
598.975	585.684	0.78695577	0.177517
596.32	582.978	0.78475577	0.17584
595.546	582.149	0.78245577	0.174118
596.865	583.409	0.77975577	0.172678
600.448	586.929	0.77685577	0.171346
606.429	592.843	0.77365577	0.170245

614.892	601.237	0.77025577	0.169298
625.877	612.149	0.76655577	0.168625
639.371	625.568	0.76265577	0.168147
655.315	641.433	0.75855577	0.16788
673.598	659.635	0.75425577	0.167839
694.062	680.015	0.74985577	0.167939
716.504	702.372	0.74525577	0.168292
740.681	726.464	0.74055577	0.168808
766.315	752.011	0.73575577	0.169496
793.096	778.704	0.73085577	0.170364
820.687	806.208	0.72595577	0.171319
848.737	834.171	0.72105577	0.172366
876.88	862.229	0.71625577	0.17341
904.748	890.012	0.71145577	0.174557
931.971	917.153	0.70685577	0.175609
958.194	943.296	0.70235577	0.176672
983.073	968.098	0.69805577	0.17765
1006.29	991.241	0.69385577	0.178647
1027.55	1012.43	0.69005577	0.17937
1046.59	1031.41	0.68635577	0.180123
1063.2	1047.96	0.68305577	0.180613
1077.19	1061.89	0.67995577	0.181047
1088.43	1073.08	0.67725577	0.181234
1096.83	1081.44	0.67485577	0.181283
1102.35	1086.91	0.67285577	0.181103
1105	1089.53	0.67115577	0.180806
1105.26	1089.77	0.66985577	0.180304
1101.96	1086.43	0.66885577	0.179708
1096.52	1080.97	0.66815577	0.179032
1088.72	1073.16	0.66785577	0.178189
1078.79	1063.21	0.66795577	0.177194
1067	1051.42	0.66825577	0.17626
1053.67	1038.08	0.66895577	0.175203
1039.11	1023.52	0.66985577	0.174236
1023.67	1008.08	0.67105577	0.173273
1007.73	992.145	0.67255577	0.172328
991.648	976.066	0.67425577	0.171513
975.794	960.217	0.67615577	0.170841
960.531	944.959	0.67825577	0.170322
946.206	930.639	0.68045577	0.170066
933.144	917.581	0.68295577	0.169883
921.644	906.084	0.68545577	0.17008
911.973	896.414	0.68815577	0.170461
904.358	888.798	0.69095577	0.171133
898.986	883.423	0.69395577	0.171997
895.997	880.429	0.69695577	0.173254
895.428	879.855	0.70005577	0.174803
897.496	881.906	0.70325577	0.176642
902.02	886.415	0.70655577	0.178767
909.003	893.379	0.70995577	0.181172
918.337	902.692	0.71345577	0.183849
929.87	914.201	0.71705577	0.186788
943.406	927.71	0.72085577	0.189881
958.704	942.98	0.72475577	0.193213
975.49	959.736	0.72885577	0.196674

993.457	977.671	0.73315577	0.200247
1012.27	996.453	0.73755577	0.204019
1031.58	1015.73	0.74235577	0.207674
1051.01	1035.13	0.74725577	0.211495
1070.19	1054.28	0.75255577	0.215166
1088.74	1072.8	0.75805577	0.218871
1106.29	1090.33	0.76395577	0.222392
1122.49	1106.51	0.77015577	0.225814
1137	1121.01	0.77675577	0.229024
1149.52	1133.51	0.78375577	0.231994
1159.77	1143.76	0.79105577	0.234824
1167.51	1151.51	0.79885577	0.237294
1172.56	1156.56	0.80705577	0.239494
1174.76	1158.79	0.81565577	0.241414
1174.01	1158.06	0.82465577	0.243034
1170.26	1154.34	0.83415577	0.244254
1163.51	1147.63	0.84405577	0.245164
1153.79	1137.96	0.85425577	0.245864
1141.2	1125.42	0.86495577	0.246134
1125.87	1110.15	0.87605577	0.246084
1107.98	1092.33	0.88745577	0.245804
1087.74	1072.16	0.89925577	0.245194
1065.41	1049.9	0.91135577	0.244354
1041.27	1025.84	0.92365577	0.243374
1015.62	1000.27	0.93635577	0.242074
988.785	973.529	0.94915577	0.240734
961.121	945.954	0.96225577	0.239174
932.975	917.9	0.97545577	0.237584
904.706	889.723	0.98875577	0.235974
876.668	861.777	1.00215577	0.234334
849.208	834.409	1.01565577	0.232674
822.658	807.95	1.02915577	0.231094
797.333	782.714	1.04265577	0.229594
773.522	758.989	1.05615577	0.228164
751.484	737.034	1.06955577	0.226904
731.444	717.075	1.08285577	0.225824
713.59	699.298	1.09605577	0.224904
698.07	683.851	1.10905577	0.224244
684.987	670.837	1.12195577	0.223744
674.399	660.313	1.13465577	0.223474
666.317	652.293	1.14715577	0.223444
660.709	646.741	1.15945577	0.223634
657.494	643.579	1.17155577	0.224034
656.552	642.686	1.18355577	0.224514
657.719	643.898	1.19525577	0.225284
660.794	647.016	1.20675577	0.226204
665.543	651.804	1.21805577	0.227264
671.701	657.999	1.22915577	0.228434
678.981	665.314	1.24005577	0.229714
687.073	673.44	1.25085577	0.230964
695.656	682.056	1.26135577	0.232374
704.4	690.833	1.27185577	0.233624
712.975	699.441	1.28205577	0.234974
721.052	707.552	1.29225577	0.236114
728.316	714.851	1.30225577	0.237224

734.465	721.038	1.31215577	0.238174
739.221	725.833	1.32195577	0.238954
742.33	728.985	1.33165577	0.239534
743.573	730.272	1.34125577	0.239904
742.763	729.511	1.35075577	0.240044
739.754	726.554	1.36015577	0.239944
734.442	721.297	1.36945577	0.239574
726.766	713.68	1.37865577	0.238934
716.711	703.688	1.38775577	0.238004
704.308	691.35	1.39665577	0.236894
689.631	676.742	1.40545577	0.235474
672.801	659.984	1.41415577	0.233744
653.978	641.234	1.42255577	0.231904
633.363	620.695	1.43085577	0.229744
611.191	598.6	1.43885577	0.227474
587.729	575.217	1.44665577	0.224994
563.27	550.837	1.45415577	0.222384
538.129	525.775	1.46135577	0.219674
512.635	500.36	1.46825577	0.216844
487.127	474.929	1.47475577	0.214014
461.947	449.824	1.48085577	0.211174
437.433	425.384	1.48645577	0.208434
413.914	401.936	1.49165577	0.205704
391.704	379.794	1.49635577	0.203084
371.094	359.248	1.50055577	0.200564
352.348	340.563	1.50425577	0.198164
335.698	323.97	1.50735577	0.195974
321.34	309.665	1.50985577	0.193994
309.429	297.801	1.51175577	0.192234
300.074	288.489	1.51305577	0.190684
293.34	281.794	1.51375577	0.189334
289.245	277.733	1.51375577	0.188284
287.757	276.275	1.51315577	0.187424
288.798	277.342	1.51195577	0.186754
292.244	280.809	1.51015577	0.186264
297.926	286.508	1.50765577	0.186034
305.637	294.232	1.50455577	0.185944
315.132	303.736	1.50085577	0.186004
326.135	314.747	1.49655577	0.186184
338.347	326.963	1.49165577	0.186464
351.449	340.066	1.48615577	0.186834
365.107	353.725	1.48015577	0.187184
378.984	367.601	1.47355577	0.187594
392.743	381.358	1.46645577	0.187944
406.054	394.666	1.45885577	0.188224
418.601	407.211	1.45085577	0.188314
430.088	418.696	1.44225577	0.188394
440.243	428.85	1.43325577	0.188274
448.827	437.434	1.42385577	0.187924
455.635	444.242	1.41395577	0.187434
460.5	449.11	1.40365577	0.186704
463.299	451.913	1.39295577	0.185734
463.954	452.573	1.38185577	0.184514
462.434	451.059	1.37035577	0.183034
458.754	447.388	1.35835577	0.181414

452.981	441.624	1.34605577	0.179444
445.227	433.88	1.33325577	0.177324
435.648	424.312	1.32005577	0.174984
424.445	413.12	1.30635577	0.172514
411.855	400.542	1.29225577	0.169834
398.149	386.847	1.27765577	0.167054
383.625	372.333	1.26265577	0.164084
368.603	357.32	1.24705577	0.161154
353.416	342.141	1.23095577	0.158174
338.407	327.138	1.21435577	0.155154
323.918	312.653	1.19715577	0.152224
310.285	299.02	1.17945577	0.149294
297.829	286.562	1.16115577	0.146474
286.853	275.582	1.14215577	0.143904
277.634	266.354	1.12265577	0.141384
270.416	259.124	1.10255577	0.139024
265.406	254.098	1.08175577	0.136964
262.772	251.444	1.06035577	0.135094
262.385	251.046	1.03825577	0.133534
265.07	253.691	1.01555577	0.132204
270.105	258.694	0.99225577	0.131094
277.718	266.271	0.96835577	0.130224
287.839	276.353	0.94385577	0.129604
300.354	288.824	0.91865577	0.129334
315.102	303.526	0.89305577	0.129124
331.885	320.259	0.86675577	0.129264
350.468	338.788	0.83995577	0.129565
370.585	358.849	0.81265577	0.130024
391.945	380.151	0.78485577	0.130643
414.239	402.385	0.75665577	0.131322
437.144	425.228	0.72795577	0.132159
460.332	448.352	0.69895577	0.132955
483.474	471.429	0.66945577	0.13391
506.251	494.137	0.63975577	0.134724
528.364	516.179	0.60965577	0.135602
549.532	537.278	0.57925577	0.136448
569.503	557.178	0.54865577	0.137167
588.047	575.654	0.51785577	0.137767
604.973	592.511	0.48685577	0.138259
620.123	607.594	0.45555577	0.138751
633.383	620.787	0.42425577	0.138957
644.68	632.018	0.39265577	0.139192
653.989	641.263	0.36095577	0.13927
661.33	648.54	0.32925577	0.139111
666.768	653.916	0.29735577	0.138932
670.411	657.496	0.26535577	0.138656
672.406	659.43	0.23325577	0.138305
672.935	659.898	0.20105577	0.137901
672.213	659.116	0.16875577	0.13747
670.478	657.321	0.13635577	0.137036
667.99	654.774	0.10385577	0.136625
665.022	651.747	0.07125577	0.136264
661.858	648.523	0.03855577	0.135978
658.782	645.388	0.00575577	0.135793
656.078	642.624	-0.02714423	0.135734

654.022	640.507	-0.06014423	0.135826
652.877	639.299	-0.09334423	0.136194
652.723	639.114	-0.12654423	0.136658
654.275	640.569	-0.15994423	0.137443
657.234	643.462	-0.19344423	0.138466
661.927	648.087	-0.22694423	0.139647
668.484	654.573	-0.26064423	0.141202
676.993	663.01	-0.29444423	0.143048
687.508	673.449	-0.32834423	0.145196
700.037	685.901	-0.36224423	0.14756
714.553	700.337	-0.39624423	0.150248
730.986	716.687	-0.43024423	0.153169
749.231	734.845	-0.46434423	0.156429
769.146	754.672	-0.49834423	0.159834
790.564	775.997	-0.53234423	0.163488
813.29	798.628	-0.56634423	0.167391
837.113	822.352	-0.60014423	0.171347
861.808	846.945	-0.63394423	0.175554
887.141	872.172	-0.66754423	0.179813
912.872	897.796	-0.70094423	0.184121
938.761	923.576	-0.73424423	0.188576
964.571	949.275	-0.76724423	0.192978
990.07	974.663	-0.79994423	0.197323
1015.04	999.516	-0.83234423	0.201609
1039.26	1023.63	-0.86454423	0.205936
1062.54	1046.8	-0.89624423	0.210002
1084.72	1068.87	-0.92764423	0.214007
1105.62	1089.67	-0.95864423	0.217851
1125.12	1109.06	-0.98924423	0.221537
1143.11	1126.95	-1.01934423	0.224968
1159.49	1143.24	-1.04904423	0.228247
1174.2	1157.86	-1.07824423	0.231279
1187.21	1170.78	-1.10684423	0.233971
1198.48	1181.98	-1.13504423	0.236531
1208.03	1191.45	-1.16264423	0.238768
1215.88	1199.23	-1.18974423	0.240792
1222.08	1205.37	-1.21624423	0.242514
1226.69	1209.92	-1.24224423	0.244046
1229.82	1213	-1.26774423	0.245404
1231.56	1214.69	-1.29264423	0.246494
1232.03	1215.12	-1.31694423	0.247334
1231.38	1214.43	-1.34074423	0.248044
1229.75	1212.77	-1.36394423	0.248544
1227.3	1210.28	-1.38654423	0.248834
1224.18	1207.14	-1.40874423	0.249134
1220.57	1203.5	-1.43024423	0.249164
1216.64	1199.55	-1.45134423	0.249234
1212.54	1195.43	-1.47184423	0.249164
1208.45	1191.33	-1.49184423	0.249074
1204.52	1187.38	-1.51134423	0.248964
1200.9	1183.75	-1.53034423	0.248854
1197.73	1180.57	-1.54874423	0.248664
1195.13	1177.96	-1.56674423	0.248584
1193.21	1176.03	-1.58424423	0.248554
1192.06	1174.87	-1.60124423	0.248564

1191.75	1174.55	-1.61774423	0.248624
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1193.84	1176.61	-1.64924423	0.248934
1196.27	1179.04	-1.66424423	0.249194
1199.63	1182.39	-1.67874423	0.249534
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1208.96	1191.69	-1.70634423	0.250544
1214.8	1197.52	-1.71934423	0.251134
1221.32	1204.02	-1.73184423	0.251794
1228.39	1211.08	-1.74384423	0.252544
1235.91	1218.59	-1.75524423	0.253274
1243.74	1226.41	-1.76614423	0.254074
1251.73	1234.39	-1.77654423	0.254954
1259.73	1242.38	-1.78634423	0.255804
1267.59	1250.23	-1.79564423	0.256724
1275.14	1257.78	-1.80434423	0.257594
1282.22	1264.86	-1.81234423	0.258324
1288.68	1271.32	-1.81984423	0.259104
1294.36	1277	-1.82674423	0.259824
1299.12	1281.76	-1.83304423	0.260474
1302.81	1285.47	-1.83874423	0.261054
1305.31	1287.98	-1.84384423	0.261554
1306.6	1289.29	-1.84824423	0.261864
1306.32	1289.03	-1.85214423	0.262184
1304.66	1287.4	-1.85534423	0.262294
1301.49	1284.25	-1.85794423	0.262284
1296.78	1279.57	-1.85994423	0.262164
1290.51	1273.34	-1.86124423	0.261814
1282.72	1265.58	-1.86204423	0.261434
1273.43	1256.34	-1.86224423	0.260904
1262.72	1245.68	-1.86184423	0.260234
1250.68	1233.68	-1.86084423	0.259404
1237.39	1220.45	-1.85934423	0.258504
1223	1206.11	-1.85734423	0.257544
1207.63	1190.8	-1.85474423	0.256404
1191.43	1174.67	-1.85164423	0.255184
1174.57	1157.87	-1.84814423	0.253974
1157.2	1140.57	-1.84414423	0.252664
1139.5	1122.94	-1.83964423	0.251254
1121.64	1105.15	-1.83484423	0.249944
1103.79	1087.37	-1.82954423	0.248514
1086.1	1069.75	-1.82394423	0.247174
1068.75	1052.47	-1.81794423	0.245794
1051.86	1035.66	-1.81164423	0.244484
1035.59	1019.46	-1.80504423	0.243224
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1005.34	989.353	-1.79094423	0.240854
991.545	975.634	-1.78354423	0.239814
978.74	962.901	-1.77594423	0.238894
966.97	951.201	-1.76804423	0.237974
956.261	940.56	-1.75994423	0.237154
946.618	930.985	-1.75174423	0.236524
938.028	922.46	-1.74324423	0.235854
930.453	914.951	-1.73464423	0.235344
923.841	908.402	-1.72594423	0.234974

918.118	902.742	-1.71694423	0.234534
913.194	897.88	-1.70794423	0.234294
908.965	893.711	-1.69874423	0.234064
905.311	890.117	-1.68944423	0.233894
902.104	886.97	-1.67994423	0.233694
899.206	884.132	-1.67044423	0.233634
896.473	881.458	-1.66074423	0.233504
893.756	878.801	-1.65094423	0.233374
890.908	876.013	-1.64094423	0.233134
887.783	872.949	-1.63094423	0.232964
884.238	869.466	-1.62084423	0.232754
880.139	865.43	-1.61054423	0.232384
875.362	860.717	-1.60024423	0.232024
869.792	855.213	-1.58984423	0.231574
863.331	848.82	-1.57934423	0.231004
855.897	841.455	-1.56874423	0.230304
847.422	833.051	-1.55804423	0.229464
837.86	823.563	-1.54734423	0.228574
827.182	812.96	-1.53664423	0.227604
815.38	801.236	-1.52584423	0.226444
802.467	788.403	-1.51504423	0.225194
788.475	774.492	-1.50424423	0.223824
773.455	759.555	-1.49344423	0.222344
757.478	743.662	-1.48274423	0.220824
740.631	726.902	-1.47204423	0.219164
723.017	709.376	-1.46144423	0.217454
704.753	691.201	-1.45084423	0.215584
685.966	672.504	-1.44044423	0.213744
666.792	653.421	-1.43024423	0.211924
647.375	634.096	-1.42004423	0.209914
627.86	614.673	-1.41014423	0.208014
608.393	595.299	-1.40044423	0.206114
589.12	576.12	-1.39094423	0.204194
570.18	557.272	-1.38174423	0.202354
551.705	538.889	-1.37274423	0.200474
533.815	521.092	-1.36404423	0.198664
516.621	503.99	-1.35574423	0.196994
500.217	487.676	-1.34774423	0.195364
484.68	472.23	-1.34014423	0.193864
470.071	457.71	-1.33284423	0.192374
456.431	444.158	-1.32594423	0.190984
443.781	431.595	-1.31954423	0.189774
432.121	420.022	-1.31344423	0.188534
421.432	409.418	-1.30784423	0.187454
411.675	399.746	-1.30274423	0.186504
402.792	390.946	-1.29804423	0.185574
394.707	382.944	-1.29384423	0.184744
387.329	375.647	-1.29014423	0.183994
380.551	368.951	-1.28684423	0.183204
374.258	362.737	-1.28414423	0.182554
368.322	356.881	-1.28194423	0.181934
362.613	351.25	-1.28024423	0.181304
356.995	345.71	-1.27904423	0.180654
351.335	340.126	-1.27834423	0.179964
345.501	334.368	-1.27824423	0.179304

339.369	328.311	-1.27864423	0.178564
332.827	321.843	-1.27954423	0.177724
325.772	314.861	-1.28104423	0.176864
318.119	307.28	-1.28314423	0.175954
309.801	299.032	-1.28574423	0.174894
300.77	290.07	-1.28904423	0.173864
291.002	280.37	-1.29284423	0.172654
280.496	269.931	-1.29724423	0.171334
269.276	258.775	-1.30234423	0.170014
257.391	246.952	-1.30794423	0.168484
244.916	234.537	-1.31434423	0.167024
231.951	221.629	-1.32124423	0.165334
218.619	208.35	-1.32894423	0.163714
205.065	194.845	-1.33724423	0.161964
191.456	181.281	-1.34634423	0.160294
177.978	167.842	-1.35604423	0.158484
164.833	154.731	-1.36654423	0.156754
152.238	142.163	-1.37784423	0.155114
140.414	130.36	-1.38984423	0.153464
129.59	119.551	-1.40254423	0.151814
119.993	109.962	-1.41614423	0.150384
111.844	101.814	-1.43054423	0.149084
105.354	95.3173	-1.44574423	0.147924
100.718	90.6671	-1.46174423	0.146914
98.1117	88.0389	-1.47854423	0.146084
97.6182	87.5315	-1.49614423	0.145444
99.569	89.4288	-1.51454423	0.145004
103.852	93.6661	-1.53374423	0.144774
110.598	100.358	-1.55384423	0.144894
119.835	109.533	-1.57464423	0.145154
131.557	121.185	-1.59624423	0.145684
145.721	135.271	-1.61864423	0.146494
162.254	151.718	-1.64174423	0.147504
181.048	170.419	-1.66564423	0.148824
201.968	191.237	-1.69014423	0.150274
224.851	214.011	-1.71534423	0.151964
249.511	238.555	-1.74124423	0.153904
275.744	264.666	-1.76764423	0.155924
303.332	292.125	-1.79464423	0.158134
332.046	320.703	-1.82224423	0.160554
361.651	350.167	-1.85024423	0.162994
391.913	380.281	-1.87884423	0.165674
422.6	410.815	-1.90774423	0.168314
453.488	441.546	-1.93704423	0.171034
484.366	472.262	-1.96674423	0.173864
515.039	502.769	-1.99664423	0.176614
545.329	532.891	-2.02694423	0.179524
575.081	562.47	-2.05744423	0.182404
604.159	591.373	-2.08804423	0.185184
632.448	619.484	-2.11894423	0.188094
659.854	646.71	-2.14984423	0.190874
686.301	672.976	-2.18084423	0.193634
711.737	698.23	-2.21194423	0.196424
736.132	722.442	-2.24314423	0.199274
759.484	745.613	-2.27424423	0.202014

781.82	767.773	-2.30534423	0.204774
803.203	788.984	-2.33634423	0.207484
823.726	809.339	-2.36734423	0.210304
843.509	828.96	-2.39824423	0.213144
862.699	847.991	-2.42894423	0.215944
881.459	866.595	-2.45954423	0.218854
899.968	884.951	-2.48994423	0.221794
918.409	903.24	-2.52004423	0.224704
936.964	921.643	-2.55004423	0.227804
955.807	940.333	-2.57984423	0.231044
975.103	959.475	-2.60924423	0.234244
995.008	979.224	-2.63844423	0.237634
1015.66	999.72	-2.66734423	0.241144
1037.18	1021.09	-2.69584423	0.244704
1059.67	1043.42	-2.72404423	0.248424
1083.2	1066.78	-2.75184423	0.252244
1107.8	1091.23	-2.77914423	0.256084
1133.49	1116.75	-2.80614423	0.260144
1160.23	1143.34	-2.83254423	0.264174
1187.97	1170.93	-2.85844423	0.268264
1216.61	1199.41	-2.88394423	0.272544
1246.02	1228.67	-2.90874423	0.276724
1276.05	1258.55	-2.93304423	0.281024
1306.52	1288.87	-2.95664423	0.285254
1337.22	1319.43	-2.97954423	0.289424
1367.95	1350.01	-3.00174423	0.293544
1398.46	1380.39	-3.02324423	0.297614
1428.52	1410.32	-3.04394423	0.301564
1457.89	1439.56	-3.06384423	0.305394
1486.32	1467.86	-3.08294423	0.309114
1513.57	1495	-3.10114423	0.312624
1539.41	1520.73	-3.11834423	0.315844
1563.62	1544.83	-3.13474423	0.318974
1586	1567.11	-3.15014423	0.321814
1606.36	1587.38	-3.16454423	0.324394
1624.55	1605.49	-3.17794423	0.326704
1640.44	1621.3	-3.19024423	0.328664
1653.91	1634.7	-3.20154423	0.330364
1664.89	1645.62	-3.21184423	0.331834
1673.32	1654	-3.22104423	0.332974
1679.2	1659.83	-3.22914423	0.333804
1682.53	1663.12	-3.23614423	0.334314
1683.36	1663.92	-3.24204423	0.334524
1681.77	1662.31	-3.24694423	0.334544
1677.86	1658.38	-3.25064423	0.334184
1671.77	1652.29	-3.25334423	0.333664
1663.67	1644.18	-3.25494423	0.332884
1653.73	1634.24	-3.25544423	0.331854
1642.16	1622.68	-3.25494423	0.330684
1629.19	1609.73	-3.25344423	0.329394
1615.07	1595.63	-3.25084423	0.327894
1600.04	1580.62	-3.24734423	0.326394
1584.37	1564.98	-3.24274423	0.324694
1568.33	1548.97	-3.23734423	0.323114
1552.19	1532.86	-3.23084423	0.321364

1536.23	1516.93	-3.22354423	0.319744
1520.7	1501.43	-3.21524423	0.318064
1505.86	1486.63	-3.20614423	0.316544
1491.95	1472.75	-3.19614423	0.315074
1479.18	1460.01	-3.18524423	0.313674
1467.76	1448.61	-3.17364423	0.312534
1457.83	1438.71	-3.16114423	0.311474
1449.54	1430.44	-3.14784423	0.310574
1442.97	1423.9	-3.13374423	0.309854
1438.2	1419.15	-3.11894423	0.309394
1435.23	1416.21	-3.10334423	0.309104
1434.05	1415.05	-3.08694423	0.308964
1434.6	1415.61	-3.06984423	0.309074
1436.78	1417.81	-3.05194423	0.309324
1440.47	1421.52	-3.03324423	0.309704
1445.5	1426.56	-3.01384423	0.310284
1451.68	1432.76	-2.99364423	0.310974
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1483.25	1464.39	-2.90514423	0.314614
1491.54	1472.7	-2.88104423	0.315604
1499.42	1480.61	-2.85604423	0.316464
1506.62	1487.84	-2.83034423	0.317374
1512.85	1494.1	-2.80374423	0.318124
1517.84	1499.13	-2.77634423	0.318774
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1522.91	1504.66	-2.68914423	0.319704
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1487.37	1469.16	-2.52754423	0.316874
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1455.54	1437.52	-2.45734423	0.313834
1435.87	1417.96	-2.42114423	0.311914
1413.83	1396.02	-2.38434423	0.309844
1389.54	1371.85	-2.34684423	0.307504
1363.17	1345.61	-2.30864423	0.304864
1334.94	1317.5	-2.26994423	0.302134
1305.07	1287.76	-2.23064423	0.299184
1273.81	1256.63	-2.19084423	0.296104
1241.44	1224.4	-2.15054423	0.292884
1208.25	1191.35	-2.10974423	0.289504
1174.53	1157.78	-2.06864423	0.286164
1140.6	1123.99	-2.02714423	0.282744
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895.947	880.445	-1.68784423	0.258194

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850.707	835.46	-1.60224423	0.253584
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785.849	771.071	-1.43184423	0.246944
774.827	760.159	-1.38954423	0.245834
765.676	751.115	-1.34734423	0.244864
758.231	743.775	-1.30534423	0.244114
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747.646	733.394	-1.22184423	0.243056
744.035	729.882	-1.18024423	0.242593
741.195	727.142	-1.13894423	0.242332
738.847	724.892	-1.09774423	0.242043
736.703	722.846	-1.05674423	0.241792
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731.869	718.21	-0.97534423	0.241284
728.614	715.054	-0.93484423	0.240863
724.443	710.984	-0.89464423	0.240457
719.113	705.756	-0.85454423	0.239836
712.406	699.152	-0.81464423	0.239073
704.132	690.983	-0.77504423	0.238239
694.135	681.092	-0.73554423	0.23711
682.295	669.36	-0.69634423	0.23586
668.533	655.706	-0.65734423	0.23437
652.808	640.092	-0.61854423	0.232617
635.124	622.519	-0.58004423	0.230684
615.525	603.034	-0.54184423	0.228556
594.098	581.721	-0.50404423	0.226318
570.97	558.707	-0.46644423	0.223759
546.307	534.158	-0.42934423	0.221168
520.307	508.273	-0.39254423	0.21834
493.202	481.282	-0.35614423	0.215366
465.252	453.445	-0.32024423	0.212345
436.736	425.04	-0.28484423	0.209273
407.952	396.366	-0.24994423	0.206148
379.21	367.732	-0.21554423	0.202971
350.824	339.45	-0.18174423	0.199842
323.108	311.836	-0.14854423	0.196763
296.369	285.195	-0.11604423	0.193836
270.902	259.823	-0.08424423	0.191061
246.985	235.996	-0.05304423	0.18834
224.87	213.967	-0.02264423	0.185876
204.784	193.962	0.00705577	0.183567
186.919	176.173	0.03595577	0.181514
171.433	160.757	0.06405577	0.179716
158.444	147.833	0.09135577	0.17817
148.028	137.477	0.11775577	0.176972
140.222	129.724	0.14345577	0.175918
135.018	124.568	0.16825577	0.175201
132.366	121.958	0.19215577	0.174814
131.971	121.582	0.21525577	0.174649
134.322	123.982	0.23755577	0.174694
138.639	128.323	0.25895577	0.175041
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162.535	152.259	0.31835577	0.177164
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197.629	187.34	0.37055577	0.180655
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223.672	213.348	0.40165577	0.183284
236.712	226.362	0.41605577	0.184701
249.456	239.074	0.42985577	0.186009
261.704	251.286	0.44285577	0.187405
273.289	262.829	0.45525577	0.188685
284.074	273.568	0.46705577	0.189849
293.961	283.405	0.47815577	0.191
302.892	292.28	0.48865577	0.192042
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378.797	366.966	0.57445577	0.202211
388.502	376.548	0.57645577	0.203339
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413.503	401.287	0.57905577	0.206001
429.141	416.787	0.57955577	0.207697
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467.294	454.648	0.57925577	0.211669
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637.124	623.498	0.56945577	0.228755
672.37	658.569	0.56685577	0.232295
709.026	695.048	0.56415577	0.235915
746.804	732.648	0.56125577	0.239737
785.394	771.058	0.55835577	0.243577
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1044.75	1028.79	0.87935577	0.234904
1035.79	1019.91	0.89685577	0.232534
1027.03	1011.23	0.91455577	0.230294
1018.43	1002.69	0.93245577	0.228184
1009.91	994.251	0.95065577	0.226094
1001.43	985.844	0.96905577	0.224114
992.937	977.422	0.98765577	0.222234
984.381	968.936	1.00655577	0.220324
975.717	960.341	1.02555577	0.218594
966.908	951.6	1.04465577	0.217024
957.92	942.68	1.06405577	0.215394
948.73	933.557	1.08355577	0.213904
939.322	924.216	1.10315577	0.212524
929.689	914.649	1.12295577	0.211164
919.832	904.857	1.14285577	0.209884
909.761	894.85	1.16285577	0.208694
899.493	884.645	1.18295577	0.207564
889.053	874.268	1.20305577	0.206584
878.475	863.752	1.22335577	0.205544

867.796	853.134	1.24365577	0.204634
857.061	842.46	1.26395577	0.203824
846.32	831.779	1.28425577	0.203124
835.624	821.142	1.30465577	0.202404
825.029	810.605	1.32505577	0.201754
814.588	800.221	1.34535577	0.201254
804.356	790.046	1.36575577	0.200704
794.385	780.131	1.38595577	0.200374
784.726	770.526	1.40625577	0.199964
775.423	761.277	1.42645577	0.199654
766.518	752.423	1.44655577	0.199434
758.045	744.001	1.46655577	0.199274
750.033	736.039	1.48645577	0.199184
742.505	728.559	1.50635577	0.199034
735.476	721.576	1.52605577	0.199014
728.951	715.096	1.54565577	0.199004
722.93	709.12	1.56505577	0.199104
717.406	703.639	1.58445577	0.199084
712.361	698.636	1.60365577	0.199134
707.772	694.087	1.62265577	0.199244
703.608	689.964	1.64155577	0.199294
699.832	686.227	1.66025577	0.199374
696.401	682.833	1.67885577	0.199364
693.266	679.735	1.69725577	0.199364
690.373	676.879	1.71545577	0.199334
687.666	674.209	1.73355577	0.199184
685.086	671.664	1.75145577	0.198994
682.571	669.185	1.76915577	0.198754
680.061	666.711	1.78665577	0.198434
677.495	664.18	1.80405577	0.197944
674.816	661.536	1.82115577	0.197464
671.968	658.723	1.83815577	0.196774
668.902	655.692	1.85495577	0.195964
665.572	652.398	1.87145577	0.195144
661.94	648.801	1.88785577	0.194074
657.975	644.872	1.90405577	0.192874
653.654	640.587	1.91995577	0.191614
648.963	635.931	1.93575577	0.190094
643.895	630.898	1.95125577	0.188504
638.453	625.492	1.96655577	0.186754
632.65	619.725	1.98165577	0.184814
626.507	613.617	1.99645577	0.182794
620.053	607.199	2.01105577	0.180584
613.327	600.508	2.02535577	0.178294
606.374	593.588	2.03945577	0.175794
599.245	586.493	2.05325577	0.173214
591.999	579.281	2.06685577	0.170424
584.699	572.013	2.08005577	0.167644
577.411	564.756	2.09305577	0.164664
570.206	557.581	2.10565577	0.161684
563.153	550.557	2.11805577	0.158514
556.324	543.756	2.13005577	0.155334
549.79	537.248	2.14175577	0.152064
543.617	531.1	2.15315577	0.148704
537.871	525.376	2.16415577	0.145354

532.609	520.136	2.17485577	0.141904
527.887	515.433	2.18515577	0.138474
523.751	511.314	2.19515577	0.134944
520.24	507.818	2.20475577	0.131444
517.385	504.977	2.21395577	0.127954
515.209	502.812	2.22285577	0.124384
513.726	501.338	2.23135577	0.120834
512.939	500.558	2.23945577	0.117314
512.805	500.427	2.24715577	0.113814
513.425	501.051	2.25455577	0.110244
514.661	502.288	2.26155577	0.106704
516.522	504.147	2.26815577	0.103194
518.968	506.59	2.27445577	0.099614
521.957	509.573	2.28035577	0.096074
525.437	513.046	2.28585577	0.092564
529.353	516.953	2.29095577	0.089094
533.649	521.238	2.29585577	0.085464
538.264	525.84	2.30025577	0.081974
543.136	530.698	2.30445577	0.078334
548.203	535.749	2.30825577	0.074734
553.407	540.935	2.31165577	0.071184
558.688	546.198	2.31485577	0.067484
563.992	551.482	2.31765577	0.063844
569.268	556.738	2.32015577	0.060154
574.471	561.919	2.32235577	0.056434
579.562	566.987	2.32425577	0.052664
584.506	571.907	2.32585577	0.048874
589.277	576.654	2.32725577	0.044954
593.855	581.207	2.32825577	0.041114
598.227	585.553	2.32905577	0.037154
602.387	589.687	2.32955577	0.033184
606.338	593.611	2.32985577	0.029114
610.086	597.332	2.32985577	0.025044
613.647	600.864	2.32955577	0.020974
617.039	604.228	2.32905577	0.016834
620.288	607.449	2.32825577	0.012704
623.424	610.556	2.32725577	0.008504
626.479	613.582	2.32605577	0.004244
629.489	616.562	2.32455577	3.42E-05
632.492	619.535	2.32285577	-0.00424
635.527	622.539	2.32095577	-0.00854
638.633	625.614	2.31885577	-0.01287
641.847	628.797	2.31645577	-0.01712
645.207	632.125	2.31385577	-0.02139
648.748	635.633	2.31105577	-0.02567
652.499	639.352	2.30805577	-0.02995
656.489	643.309	2.30485577	-0.03422
660.741	647.527	2.30145577	-0.03847
665.274	652.025	2.29785577	-0.0427
670.099	656.816	2.29415577	-0.047
675.225	661.907	2.29015577	-0.05116
680.653	667.3	2.28605577	-0.05537
686.38	672.991	2.28175577	-0.05953
692.396	678.97	2.27725577	-0.06364
698.686	685.223	2.27265577	-0.06778

705.229	691.729	2.26785577	-0.07185
712.001	698.463	2.26295577	-0.07595
718.971	705.396	2.25795577	-0.08006
726.106	712.493	2.25275577	-0.08409
733.368	719.718	2.24755577	-0.08823
740.72	727.032	2.24215577	-0.09227
748.117	734.392	2.23675577	-0.09641
755.519	741.756	2.23115577	-0.10044
762.88	749.08	2.22555577	-0.10456
770.158	756.321	2.21985577	-0.10866
777.31	763.436	2.21415577	-0.11285
784.295	770.385	2.20835577	-0.11701
791.074	777.129	2.20245577	-0.12114
797.612	783.632	2.19665577	-0.12544
803.875	789.861	2.19075577	-0.12969
809.836	795.788	2.18485577	-0.13401
815.468	801.388	2.17885577	-0.13828
820.753	806.642	2.17295577	-0.14269
825.676	811.534	2.16705577	-0.14715
830.226	816.054	2.16115577	-0.15165
834.398	820.198	2.15525577	-0.15618
838.193	823.965	2.14935577	-0.16074
841.614	827.361	2.14345577	-0.16532
844.673	830.394	2.13765577	-0.17002
847.383	833.08	2.13185577	-0.17473
849.763	835.437	2.12605577	-0.17946
851.834	837.487	2.12035577	-0.18428
853.623	839.255	2.11465577	-0.18911
855.157	840.769	2.10905577	-0.19403
856.468	842.061	2.10345577	-0.19893
857.586	843.161	2.09785577	-0.20382
858.545	844.104	2.09235577	-0.20879
859.38	844.922	2.08685577	-0.21373
860.122	845.65	2.08145577	-0.21875
860.806	846.318	2.07605577	-0.22372
861.461	846.96	2.07075577	-0.22876
862.118	847.604	2.06545577	-0.23375
862.803	848.276	2.06025577	-0.2388
863.54	849.002	2.05515577	-0.24389
864.35	849.801	2.05005577	-0.24893
865.251	850.691	2.04495577	-0.25391
866.255	851.685	2.03995577	-0.25893
867.373	852.792	2.03505577	-0.26399
868.608	854.018	2.03015577	-0.26898
869.962	855.363	2.02525577	-0.2739
871.433	856.825	2.02055577	-0.27895
873.011	858.395	2.01585577	-0.28393
874.687	860.063	2.01115577	-0.28884
876.446	861.814	2.00665577	-0.29387
878.269	863.63	2.00215577	-0.29883
880.135	865.49	1.99765577	-0.3037
882.022	867.37	1.99335577	-0.30871
883.903	869.246	1.98905577	-0.31363
885.752	871.09	1.98485577	-0.31858
887.541	872.874	1.98065577	-0.32345

889.24	874.569	1.97665577	-0.32844
890.822	876.148	1.97265577	-0.33335
892.259	877.582	1.96875577	-0.33829
893.524	878.845	1.96505577	-0.34335
894.591	879.911	1.96135577	-0.34833
895.438	880.757	1.95765577	-0.35324
896.044	881.364	1.95415577	-0.35827
896.39	881.712	1.95075577	-0.36333
896.464	881.787	1.94745577	-0.36841
896.252	881.578	1.94415577	-0.37342
895.747	881.078	1.94105577	-0.37855
894.946	880.282	1.93795577	-0.38362
893.849	879.191	1.93495577	-0.38871
892.458	877.807	1.93205577	-0.39383
890.782	876.139	1.92925577	-0.39898
888.831	874.197	1.92655577	-0.40416
886.619	871.995	1.92395577	-0.40937
884.164	869.55	1.92145577	-0.41462
881.487	866.884	1.91895577	-0.41979
878.608	864.018	1.91655577	-0.42499
875.554	860.977	1.91425577	-0.43023
872.35	857.786	1.91195577	-0.4354
869.024	854.474	1.90975577	-0.44061
865.602	851.068	1.90765577	-0.44585
862.114	847.595	1.90555577	-0.45103
858.587	844.083	1.90355577	-0.45624
855.047	840.56	1.90155577	-0.46139
851.521	837.05	1.89965577	-0.46658
848.031	833.577	1.89775577	-0.47172
844.599	830.162	1.89585577	-0.47679
841.246	826.826	1.89405577	-0.4819
837.986	823.584	1.89225577	-0.48697
834.834	820.45	1.89045577	-0.49198
831.799	817.433	1.88875577	-0.49703
828.888	814.54	1.88695577	-0.50194
826.106	811.776	1.88525577	-0.50691
823.451	809.139	1.88345577	-0.51173
820.92	806.626	1.88175577	-0.51661
818.506	804.231	1.88005577	-0.52145
816.2	801.943	1.87835577	-0.52625
813.989	799.751	1.87665577	-0.53103
811.858	797.639	1.87485577	-0.53568
809.79	795.589	1.87315577	-0.5404
807.765	793.583	1.87135577	-0.545
805.763	791.6	1.86965577	-0.54968
803.763	789.619	1.86785577	-0.55425
801.742	787.617	1.86605577	-0.55881
799.678	785.573	1.86425577	-0.56337
797.55	783.465	1.86245577	-0.56792
795.336	781.271	1.86055577	-0.57237
793.018	778.973	1.85865577	-0.57683
790.577	776.553	1.85675577	-0.5813
787.997	773.994	1.85485577	-0.58578
785.265	771.283	1.85285577	-0.59017
782.37	768.41	1.85075577	-0.59449

779.304	765.366	1.84875577	-0.59893
776.063	762.147	1.84665577	-0.60329
772.643	758.751	1.84445577	-0.60759
769.048	755.179	1.84225577	-0.61192
765.282	751.436	1.83995577	-0.61619
761.352	747.529	1.83765577	-0.62049
757.27	743.471	1.83525577	-0.62474
753.049	739.274	1.83275577	-0.62893
748.705	734.955	1.83025577	-0.63317
744.258	730.532	1.82765577	-0.63736
739.727	726.026	1.82495577	-0.64151
735.136	721.459	1.82215577	-0.64561
730.507	716.855	1.81925577	-0.64966
725.864	712.237	1.81625577	-0.65368
721.233	707.63	1.81315577	-0.65765
716.638	703.059	1.80995577	-0.6616
712.103	698.548	1.80655577	-0.6654
707.651	694.12	1.80315577	-0.66927
703.304	689.796	1.79955577	-0.67302
699.082	685.597	1.79585577	-0.67673
695.004	681.541	1.79205577	-0.68042
691.084	677.644	1.78805577	-0.68398
687.338	673.919	1.78385577	-0.68742
683.775	670.377	1.77965577	-0.69094
680.403	667.025	1.77515577	-0.69424
677.227	663.869	1.77055577	-0.69752
674.248	660.91	1.76585577	-0.70079
671.467	658.148	1.76085577	-0.70384
668.88	655.578	1.75575577	-0.70688
666.479	653.194	1.75055577	-0.70991
664.256	650.988	1.74515577	-0.71284
662.2	648.948	1.73955577	-0.71566
660.298	647.062	1.73375577	-0.71837
658.537	645.315	1.72775577	-0.72098
656.9	643.692	1.72165577	-0.72359
655.371	642.176	1.71525577	-0.726
653.934	640.752	1.70875577	-0.72841
652.573	639.402	1.70205577	-0.73073
651.27	638.111	1.69525577	-0.73306
650.011	636.863	1.68815577	-0.73519
648.783	635.644	1.68085577	-0.73722
647.572	634.443	1.67345577	-0.73927
646.368	633.248	1.66585577	-0.74122
645.163	632.051	1.65795577	-0.74299
643.95	630.846	1.64995577	-0.74477
642.727	629.63	1.64175577	-0.74645
641.492	628.402	1.63335577	-0.74805
640.248	627.163	1.62475577	-0.74955
638.999	625.919	1.61595577	-0.75097
637.752	624.676	1.60695577	-0.7523
636.516	623.444	1.59775577	-0.75353
635.305	622.235	1.58835577	-0.75467
634.132	621.064	1.57875577	-0.75572
633.013	619.946	1.56895577	-0.75668
631.966	618.899	1.55895577	-0.75754

631.009	617.941	1.54875577	-0.7583
630.163	617.093	1.53835577	-0.75896
629.447	616.374	1.52775577	-0.75953
628.881	615.804	1.51695577	-0.75999
628.486	615.404	1.50595577	-0.76035
628.28	615.191	1.49465577	-0.7605
628.253	615.161	1.48325577	-0.76065
628.507	615.4	1.47165577	-0.76068
628.975	615.858	1.45985577	-0.76061
629.7	616.571	1.44775577	-0.76032
630.693	617.551	1.43555577	-0.76002
631.958	618.804	1.42315577	-0.75961
633.497	620.329	1.41055577	-0.75908
635.304	622.122	1.39765577	-0.75833
637.369	624.172	1.38465577	-0.75757
639.676	626.465	1.37145577	-0.75669
642.205	628.978	1.35815577	-0.7558
644.93	631.688	1.34455577	-0.75469
647.822	634.564	1.33085577	-0.75357
650.846	637.572	1.31685577	-0.75225
653.966	640.677	1.30285577	-0.75101
657.144	643.839	1.28855577	-0.74957
660.338	647.018	1.27415577	-0.74813
663.507	650.172	1.25955577	-0.74659
666.61	653.261	1.24485577	-0.74505
669.607	656.244	1.22995577	-0.74341
672.46	659.084	1.21495577	-0.74179
675.134	661.744	1.19985577	-0.74017
677.595	664.193	1.18455577	-0.73847
679.816	666.403	1.16915577	-0.73679
681.774	668.35	1.15355577	-0.73502
683.451	670.017	1.13785577	-0.73328
684.834	671.391	1.12205577	-0.73156
685.916	672.465	1.10615577	-0.72987
686.698	673.239	1.09005577	-0.7281
687.185	673.719	1.07395577	-0.72647
687.388	673.915	1.05765577	-0.72476
687.324	673.846	1.04125577	-0.72309
687.016	673.533	1.02475577	-0.72145
686.491	673.003	1.00805577	-0.71974
685.78	672.288	0.99135577	-0.71817
684.918	671.423	0.97445577	-0.71653
683.943	670.444	0.95745577	-0.71492
682.894	669.391	0.94035577	-0.71334
681.81	668.304	0.92315577	-0.71179
680.733	667.223	0.90585577	-0.71028
679.701	666.187	0.88835577	-0.70869
678.753	665.235	0.87085577	-0.70723
677.923	664.401	0.85315577	-0.70569
677.243	663.716	0.83535577	-0.70418
676.742	663.21	0.81735577	-0.70259
676.443	662.905	0.79935577	-0.70112
676.365	662.82	0.78115577	-0.69956
676.52	662.968	0.76285577	-0.69802
676.917	663.356	0.74445577	-0.6965

677.557	663.988	0.72595577	-0.69498
678.437	664.858	0.70725577	-0.69337
679.549	665.96	0.68855577	-0.69187
680.88	667.279	0.66965577	-0.69027
682.41	668.798	0.65065577	-0.68867
684.12	670.495	0.63155577	-0.68706
685.983	672.345	0.61235577	-0.68546
687.972	674.321	0.59305577	-0.68384
690.058	676.392	0.57365577	-0.68221
692.21	678.529	0.55415577	-0.68056
694.398	680.702	0.53455577	-0.6789
696.592	682.88	0.51485577	-0.67721
698.764	685.035	0.49505577	-0.6755
700.887	687.142	0.47515577	-0.67376
702.938	689.176	0.45525577	-0.67208
704.898	691.118	0.43515577	-0.67026
706.748	692.951	0.41505577	-0.6685
708.479	694.665	0.39485577	-0.6667
710.083	696.25	0.37455577	-0.66484
711.556	697.705	0.35425577	-0.66302
712.901	699.031	0.33375577	-0.66104
714.124	700.236	0.31335577	-0.65919
715.239	701.334	0.29275577	-0.65716
716.268	702.345	0.27215577	-0.65516
717.237	703.298	0.25145577	-0.65307
718.181	704.226	0.23065577	-0.65088
719.141	705.169	0.20985577	-0.6487
720.157	706.17	0.18895577	-0.64641
721.278	707.274	0.16805577	-0.64411
722.548	708.528	0.14705577	-0.6417
724.016	709.979	0.12595577	-0.63916
725.726	711.67	0.10485577	-0.63659
727.72	713.645	0.08375577	-0.63399
730.034	715.939	0.06255577	-0.63125
732.703	718.586	0.04125577	-0.62836
735.75	721.61	0.02005577	-0.62553
739.195	725.031	-0.00124423	-0.62253
743.049	728.86	-0.02264423	-0.61938
747.316	733.1	-0.04394423	-0.61627
751.992	737.749	-0.06534423	-0.61299
757.065	742.793	-0.08674423	-0.60963
762.517	748.215	-0.10814423	-0.60621
768.321	753.989	-0.12954423	-0.60271
774.445	760.082	-0.15094423	-0.59913
780.848	766.456	-0.17234423	-0.59547
787.487	773.064	-0.19374423	-0.59173
794.309	779.857	-0.21504423	-0.588
801.261	786.78	-0.23634423	-0.5842
808.284	793.775	-0.25754423	-0.58041
815.316	800.781	-0.27874423	-0.57654
822.294	807.735	-0.29984423	-0.57268
829.153	814.571	-0.32094423	-0.56874
835.827	821.225	-0.34194423	-0.56482
842.252	827.632	-0.36284423	-0.56092
848.363	833.727	-0.38364423	-0.55703

854.098	839.45	-0.40424423	-0.55327
859.397	844.739	-0.42484423	-0.54942
864.205	849.539	-0.44534423	-0.5456
868.469	853.799	-0.46564423	-0.54189
872.142	857.47	-0.48584423	-0.53821
875.183	860.512	-0.50594423	-0.53455
877.555	862.889	-0.52584423	-0.531
879.231	864.572	-0.54564423	-0.52748
880.189	865.539	-0.56534423	-0.52398
880.416	865.778	-0.58484423	-0.5206
879.905	865.282	-0.60424423	-0.51724
878.66	864.053	-0.62344423	-0.514
876.691	862.104	-0.64244423	-0.51088
874.019	859.453	-0.66144423	-0.50768
870.672	856.128	-0.68024423	-0.50459
866.684	852.165	-0.69894423	-0.50152
862.102	847.608	-0.71744423	-0.49856
856.974	842.508	-0.73584423	-0.49562
851.361	836.922	-0.75414423	-0.49269
845.325	830.915	-0.77234423	-0.48977
838.938	824.557	-0.79044423	-0.48686
832.272	817.92	-0.80844423	-0.48396
825.405	811.083	-0.82634423	-0.48106
818.419	804.125	-0.84414423	-0.47817
811.396	797.13	-0.86194423	-0.47519
804.418	790.18	-0.87954423	-0.4723
797.57	783.357	-0.89724423	-0.46922
790.932	776.743	-0.91484423	-0.46613
784.584	770.417	-0.93234423	-0.46305
778.603	764.457	-0.94984423	-0.45986
773.062	758.933	-0.96734423	-0.45656
768.028	753.915	-0.98484423	-0.45316
763.565	749.464	-1.00234423	-0.44966
759.73	745.638	-1.01984423	-0.44604
756.573	742.486	-1.03724423	-0.44241
754.139	740.054	-1.05474423	-0.43857
752.465	738.377	-1.07224423	-0.43462
751.581	737.486	-1.08974423	-0.43055
751.442	737.342	-1.10724423	-0.42637
752.267	738.146	-1.12474423	-0.42206
753.864	739.722	-1.14234423	-0.41753
756.302	742.135	-1.15984423	-0.41298
759.579	745.381	-1.17744423	-0.40819
763.685	749.452	-1.19494423	-0.40337
768.607	754.334	-1.21254423	-0.39831
774.326	760.008	-1.23004423	-0.39321
780.818	766.45	-1.24764423	-0.38787
788.059	773.637	-1.26514423	-0.38246
796.018	781.537	-1.28264423	-0.3769
804.665	790.121	-1.30004423	-0.37127
813.967	799.356	-1.31754423	-0.36536
823.89	809.208	-1.33484423	-0.35948
834.4	819.645	-1.35214423	-0.3534
845.463	830.631	-1.36934423	-0.34722
857.047	842.135	-1.38654423	-0.34083

869.12	854.125	-1.40354423	-0.33443
881.662	866.578	-1.42044423	-0.3279
894.658	879.481	-1.43724423	-0.32124
908.105	892.831	-1.45384423	-0.31453
922.007	906.632	-1.47034423	-0.30766
936.375	920.897	-1.48664423	-0.30072
951.227	935.643	-1.50264423	-0.29381
966.58	950.889	-1.51854423	-0.28671
982.452	966.653	-1.53424423	-0.27952
998.857	982.948	-1.54964423	-0.27231
1015.8	999.782	-1.56474423	-0.26509
1033.28	1017.15	-1.57954423	-0.25784
1051.28	1035.04	-1.59404423	-0.25055
1069.77	1053.43	-1.60824423	-0.24321
1088.7	1072.26	-1.62214423	-0.23582
1108.02	1091.48	-1.63554423	-0.22856
1127.64	1111.01	-1.64864423	-0.22122
1147.48	1130.75	-1.66124423	-0.21399
1167.43	1150.61	-1.67344423	-0.20678
1187.35	1170.45	-1.68524423	-0.19956
1207.14	1190.15	-1.69644423	-0.19253
1226.63	1209.57	-1.70714423	-0.18559
1245.69	1228.56	-1.71734423	-0.17873
1264.17	1246.97	-1.72694423	-0.17204
1281.92	1264.65	-1.73594423	-0.16551
1298.79	1281.46	-1.74444423	-0.15904
1314.63	1297.25	-1.75224423	-0.15282
1329.31	1311.88	-1.75934423	-0.14685
1342.72	1325.24	-1.76584423	-0.14102
1354.72	1337.21	-1.77174423	-0.13533
1365.23	1347.69	-1.77684423	-0.12996
1374.17	1356.6	-1.78134423	-0.12472
1381.47	1363.87	-1.78504423	-0.1198
1387.08	1369.47	-1.78804423	-0.1151
1390.99	1373.36	-1.79034423	-0.1106
1393.18	1375.55	-1.79184423	-0.1064
1393.68	1376.04	-1.79264423	-0.1024
1392.52	1374.88	-1.79274423	-0.0986
1389.76	1372.13	-1.79214423	-0.09497
1385.48	1367.85	-1.79074423	-0.09163
1379.76	1362.15	-1.78864423	-0.08846
1372.73	1355.13	-1.78584423	-0.08547
1364.51	1346.93	-1.78234423	-0.08263
1355.23	1337.68	-1.77814423	-0.07996
1345.06	1327.53	-1.77324423	-0.07744
1334.13	1316.63	-1.76774423	-0.07497
1322.63	1305.16	-1.76154423	-0.07264
1310.71	1293.28	-1.75474423	-0.07036
1298.55	1281.14	-1.74724423	-0.06822
1286.29	1268.92	-1.73924423	-0.06602
1274.09	1256.76	-1.73054423	-0.06396
1262.11	1244.82	-1.72134423	-0.06183
1250.47	1233.22	-1.71164423	-0.05963
1239.3	1222.09	-1.70124423	-0.05758
1228.7	1211.53	-1.69044423	-0.05537

1218.77	1201.64	-1.67904423	-0.0532
1209.58	1192.49	-1.66724423	-0.05088
1201.18	1184.13	-1.65494423	-0.04851
1193.62	1176.61	-1.64204423	-0.04621
1186.92	1169.95	-1.62884423	-0.04368
1181.08	1164.15	-1.61504423	-0.04122
1176.1	1159.2	-1.60084423	-0.03866
1171.93	1155.07	-1.58624423	-0.03599
1168.54	1151.71	-1.57124423	-0.03324
1165.86	1149.06	-1.55574423	-0.03052
1163.81	1147.05	-1.53984423	-0.02773
1162.3	1145.57	-1.52354423	-0.0249
1161.22	1144.52	-1.50674423	-0.02215
1160.45	1143.78	-1.48964423	-0.01928
1159.86	1143.23	-1.47204423	-0.01652
1159.33	1142.73	-1.45404423	-0.01377
1158.71	1142.15	-1.43564423	-0.01107
1157.86	1141.35	-1.41684423	-0.00842
1156.65	1140.18	-1.39764423	-0.00584
1154.94	1138.51	-1.37804423	-0.00336
1152.6	1136.21	-1.35814423	-0.00088
1149.51	1133.17	-1.33774423	0.001374
1145.56	1129.28	-1.31694423	0.003484
1140.67	1124.44	-1.29574423	0.005444
1134.74	1118.57	-1.27424423	0.007324
1127.73	1111.62	-1.25234423	0.009024
1119.58	1103.53	-1.23014423	0.010614
1110.27	1094.28	-1.20744423	0.011894
1099.8	1083.88	-1.18454423	0.013154
1088.19	1072.33	-1.16134423	0.014264
1075.47	1059.69	-1.13774423	0.015124
1061.7	1045.99	-1.11384423	0.015834
1046.96	1031.33	-1.08974423	0.016464
1031.35	1015.79	-1.06534423	0.016914
1014.97	999.485	-1.04074423	0.017284
997.956	982.547	-1.01594423	0.01756
980.442	965.111	-0.99094423	0.017732
962.578	947.324	-0.96574423	0.017795
944.519	929.342	-0.94044423	0.017844
926.425	911.326	-0.91494423	0.017771
908.456	893.435	-0.88934423	0.017672
890.774	875.828	-0.86374423	0.01764
873.532	858.662	-0.83804423	0.017569
856.877	842.081	-0.81224423	0.017453
840.946	826.224	-0.78644423	0.017384
825.863	811.213	-0.76074423	0.017455
811.735	797.156	-0.73494423	0.017459
798.653	784.143	-0.70924423	0.017588
786.688	772.245	-0.68354423	0.017732
775.889	761.511	-0.65794423	0.017981
766.281	751.966	-0.63244423	0.018324
757.864	743.611	-0.60704423	0.01875
750.617	736.422	-0.58164423	0.019147
744.489	730.352	-0.55644423	0.019701
739.411	725.329	-0.53124423	0.020197

735.288	721.26	-0.50624423	0.020821
732.009	718.034	-0.48144423	0.021557
729.444	715.52	-0.45664423	0.022189
727.449	713.576	-0.43204423	0.022899
725.87	712.047	-0.40754423	0.023571
724.543	710.77	-0.38314423	0.024187
723.3	709.577	-0.35894423	0.02483
721.971	708.299	-0.33484423	0.025382
720.388	706.768	-0.31094423	0.025925
718.387	704.82	-0.28714423	0.026344
715.813	702.3	-0.26344423	0.02662
712.519	699.064	-0.23994423	0.026838
708.376	694.979	-0.21654423	0.026882
703.269	689.933	-0.19334423	0.026838
697.101	683.828	-0.17024423	0.026591
689.797	676.59	-0.14734423	0.026228
681.305	668.165	-0.12464423	0.025738
671.595	658.525	-0.10204423	0.025008
660.662	647.664	-0.07974423	0.024229
648.527	635.603	-0.05754423	0.023191
635.235	622.387	-0.03564423	0.022087
620.855	608.085	-0.01394423	0.020809
605.481	592.789	0.00745577	0.019452
589.227	576.615	0.02865577	0.01791
572.227	559.695	0.04955577	0.016279
554.634	542.182	0.07015577	0.014556
536.614	524.241	0.09035577	0.012837
518.345	506.052	0.11035577	0.01092
500.015	487.799	0.12985577	0.009104
481.815	469.675	0.14905577	0.007187
463.937	451.871	0.16775577	0.005369
446.572	434.577	0.18605577	0.003547
429.902	417.977	0.20395577	0.00172
414.103	402.243	0.22135577	-1.2E-05
399.335	387.536	0.23825577	-0.00165
385.741	374.001	0.25465577	-0.0032
373.448	361.761	0.27055577	-0.00466
362.557	350.92	0.28595577	-0.00604
353.149	341.558	0.30075577	-0.00723
345.278	333.728	0.31505577	-0.00835
338.972	327.458	0.32875577	-0.00929
334.233	322.751	0.34195577	-0.01017
331.036	319.581	0.35445577	-0.01079
329.328	317.896	0.36645577	-0.01135
329.011	317.589	0.37795577	-0.01187
330.058	318.66	0.38875577	-0.01215
332.277	320.89	0.39905577	-0.01241
335.554	324.175	0.40875577	-0.01254
339.738	328.363	0.41785577	-0.01256
344.664	333.291	0.42645577	-0.01257
350.161	338.787	0.43445577	-0.0125
356.054	344.677	0.44195577	-0.01244
362.167	350.785	0.44895577	-0.0124
368.33	356.941	0.45535577	-0.01229
374.378	362.981	0.46125577	-0.01222

380.16	368.754	0.46655577	-0.0121
385.539	374.123	0.47145577	-0.01213
390.397	378.969	0.47575577	-0.01211
394.634	383.195	0.47965577	-0.01225
398.176	386.724	0.48305577	-0.01246
400.971	389.506	0.48595577	-0.01272
402.991	391.512	0.48835577	-0.01305
404.235	392.743	0.49025577	-0.01344
404.727	393.22	0.49175577	-0.01398
404.513	392.991	0.49275577	-0.01458
403.663	392.125	0.49325577	-0.01523
402.266	390.712	0.49325577	-0.01592
400.43	388.859	0.49285577	-0.01674
398.275	386.688	0.49195577	-0.01759
395.936	384.33	0.49055577	-0.01846
393.552	381.927	0.48865577	-0.01933
391.269	379.623	0.48635577	-0.0203
389.229	377.561	0.48355577	-0.02126
387.574	375.882	0.48025577	-0.0222
386.434	374.717	0.47645577	-0.0231
385.934	374.188	0.47215577	-0.02395
386.179	374.403	0.46735577	-0.02475
387.261	375.453	0.46215577	-0.02558
389.254	377.411	0.45635577	-0.02623
392.209	380.33	0.45015577	-0.0269
396.159	384.24	0.44345577	-0.02746
401.112	389.152	0.43635577	-0.02802
407.057	395.052	0.42875577	-0.02846
413.96	401.909	0.42065577	-0.02877
421.767	409.669	0.41205577	-0.02895
430.408	418.26	0.40315577	-0.02919
439.792	427.594	0.39375577	-0.02928
449.819	437.569	0.38395577	-0.02932
460.374	448.07	0.37375577	-0.02929
471.334	458.976	0.36315577	-0.0292
482.571	470.159	0.35215577	-0.02903
493.953	481.486	0.34075577	-0.02878
505.348	492.827	0.32905577	-0.02854
516.63	504.054	0.31705577	-0.0283
527.674	515.045	0.30475577	-0.02807
538.367	525.684	0.29205577	-0.02772
548.604	535.868	0.27915577	-0.02747
558.293	545.505	0.26585577	-0.02709
567.354	554.517	0.25245577	-0.02688
575.726	562.839	0.23865577	-0.02653
583.358	570.423	0.22465577	-0.02623
590.221	577.239	0.21035577	-0.02587
596.296	583.268	0.19595577	-0.02565
601.585	588.514	0.18125577	-0.02535
606.107	592.995	0.16635577	-0.02506
609.904	596.756	0.15115577	-0.02467
613.041	599.861	0.13585577	-0.02437
615.607	602.396	0.12035577	-0.02405
617.703	604.465	0.10465577	-0.02368
619.448	606.183	0.08865577	-0.02317

620.967	607.677	0.07255577	-0.02269
622.392	609.077	0.05635577	-0.02223
623.854	610.514	0.03985577	-0.02158
625.483	612.116	0.02325577	-0.02093
627.401	614.007	0.00635577	-0.02007
629.722	616.298	-0.01064423	-0.01917
632.546	619.09	-0.02774423	-0.01823
635.959	622.47	-0.04504423	-0.01714
640.032	626.508	-0.06254423	-0.01589
644.82	631.258	-0.08014423	-0.01456
650.359	636.758	-0.09794423	-0.01304
656.669	643.025	-0.11584423	-0.01142
663.753	650.065	-0.13394423	-0.0096
671.597	657.863	-0.15214423	-0.00767
680.172	666.391	-0.17034423	-0.00572
689.435	675.605	-0.18874423	-0.00353
699.33	685.449	-0.20724423	-0.00121
709.787	695.854	-0.22584423	0.00125
720.728	706.744	-0.24444423	0.00376
732.066	718.03	-0.26314423	0.006424
743.709	729.62	-0.28184423	0.009145
755.557	741.416	-0.30054423	0.011928
767.512	753.319	-0.31924423	0.014778
779.472	765.228	-0.33804423	0.017799
791.337	777.042	-0.35674423	0.020794
803.01	788.666	-0.37544423	0.023866
814.399	800.007	-0.39414423	0.027019
825.417	810.979	-0.41264423	0.030056
835.985	821.502	-0.43114423	0.033181
846.031	831.505	-0.44964423	0.036397
855.495	840.927	-0.46794423	0.039508
864.325	849.717	-0.48614423	0.042616
872.48	857.834	-0.50424423	0.045726
879.93	865.248	-0.52224423	0.048842
886.658	871.942	-0.54004423	0.051866
892.657	877.908	-0.55774423	0.054904
897.932	883.153	-0.57524423	0.057859
902.498	887.69	-0.59264423	0.060836
906.381	891.547	-0.60984423	0.063739
909.618	894.758	-0.62684423	0.066573
912.25	897.367	-0.64374423	0.069442
914.332	899.426	-0.66044423	0.072251
915.919	900.993	-0.67694423	0.075005
917.074	902.129	-0.69324423	0.077709
917.865	902.901	-0.70944423	0.080467
918.359	903.378	-0.72544423	0.083184
918.627	903.629	-0.74124423	0.085865
918.738	903.723	-0.75684423	0.088514
918.759	903.733	-0.77224423	0.091134
918.757	903.712	-0.78754423	0.093832
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919.211	904.122	-0.83224423	0.101817
919.692	904.589	-0.84674423	0.104455
920.413	905.296	-0.86114423	0.107186

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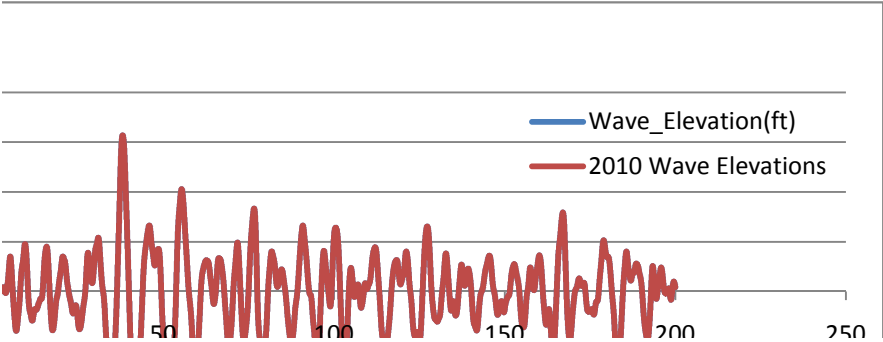
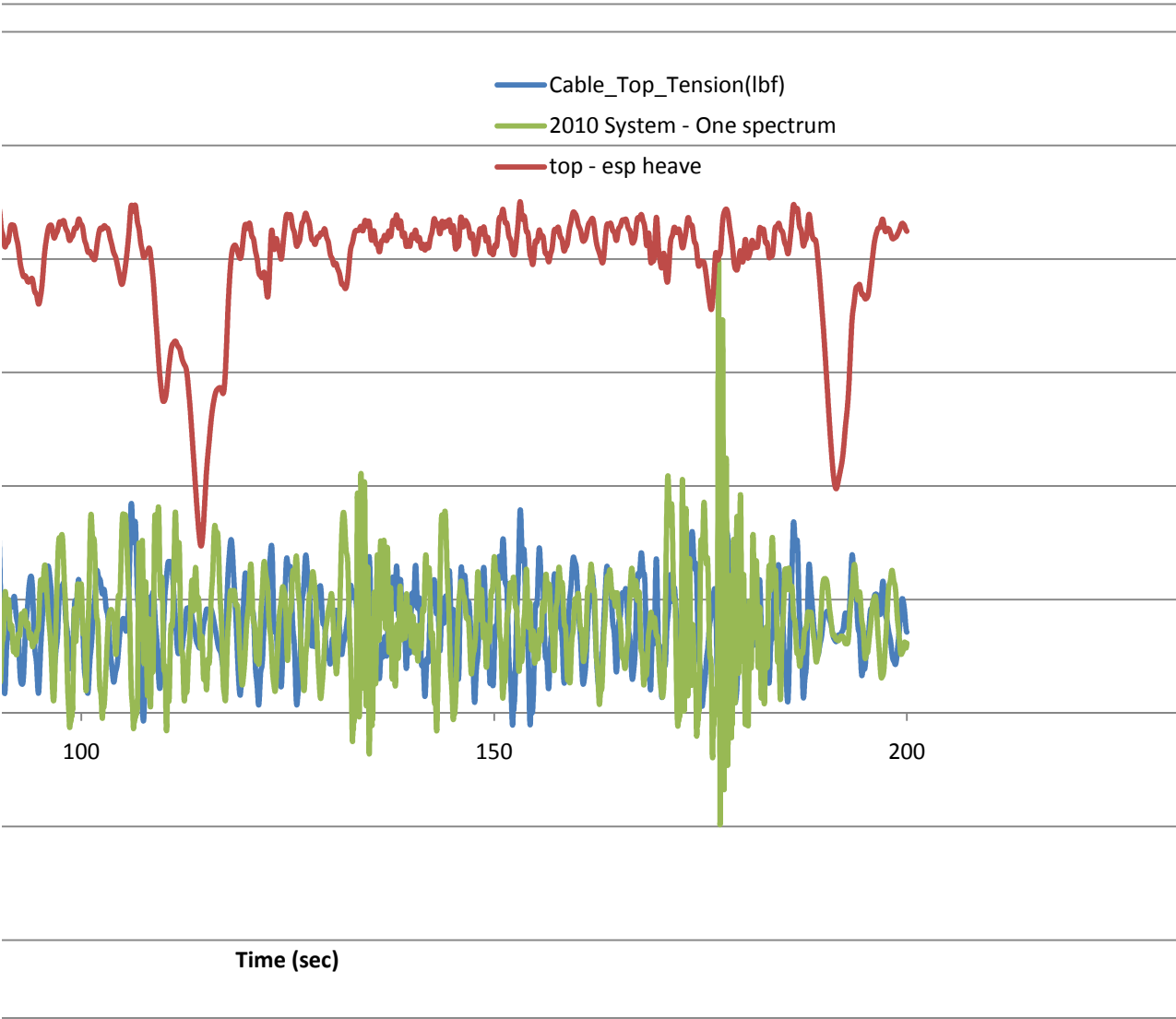
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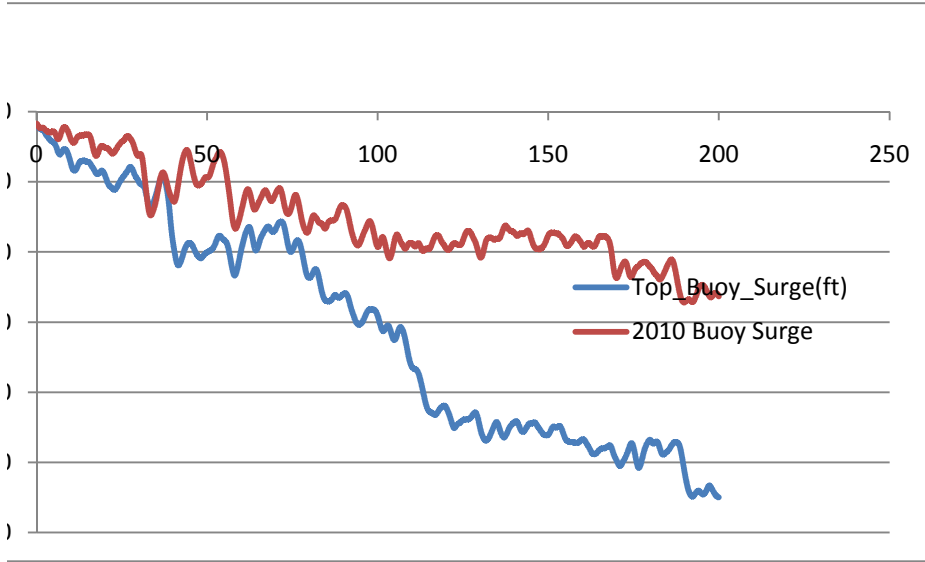
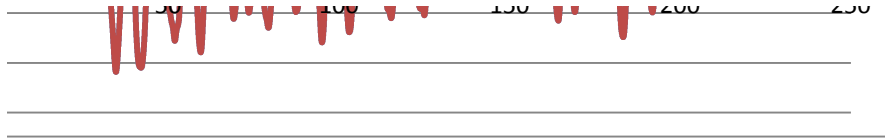
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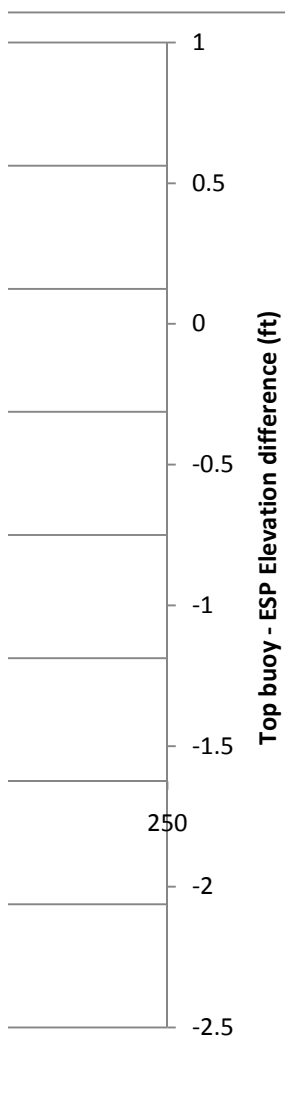
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