

Test Name	OSB, MW, 200 mm cavity, rep 3
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	25
Cavity Width [mm]	200
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 200 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 10 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. At approximately 10 minutes the OSB panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	131
Time to Peak HRR [mins]	9.07
Residual HRR [kW]	6.75
Total HR [MJ]	53.3
Peak dQ/dt [kW/s]	0.652
Time to Peak dQ/dt [s]	8.32

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.0278	0.0278	4.0907	2.4292	-0.0008	6.5191	0.3999	0.0905	0.02	0.5105
1	0.385	0.418	4.0903	2.4283	-0.0009	6.5176	0.4028	0.0893	0.0231	0.5153
2	0.841	0.775	4.0901	2.4275	-0.0011	6.5164	0.4059	0.0855	0.0232	0.5146
3	1.21	1.16	4.0896	2.4266	-0.001	6.5152	0.4092	0.0853	0.0215	0.516
4	1.41	1.76	4.0894	2.4263	-0.0011	6.5146	0.4129	0.0874	0.0205	0.5208
5	1.73	2.48	4.0892	2.4259	-0.001	6.514	0.4174	0.0907	0.0165	0.5246
6	2.54	3.06	4.0885	2.4251	-0.0011	6.5125	0.424	0.0908	0.0107	0.5255
7	3.48	3.57	4.0882	2.4246	-0.0012	6.5116	0.427	0.088	0.0101	0.5251
8	4.19	4	4.0878	2.4243	-0.0014	6.5107	0.4334	0.0822	0.0117	0.5273
9	5.49	4.36	4.0873	2.4241	-0.0014	6.51	0.434	0.0819	0.0108	0.5266
10	6.03	4.76	4.0869	2.4247	-0.0013	6.5103	0.4372	0.0825	0.0079	0.5276
11	6.13	5.14	4.0864	2.4247	-0.001	6.5101	0.4353	0.0784	0.0089	0.5226
12	6.34	5.52	4.0867	2.4245	-0.0006	6.5106	0.4299	0.0711	0.012	0.5131
13	6.59	5.9	4.0897	2.4241	-0.0004	6.5134	0.434	0.0611	0.0117	0.5067
14	7.19	6.27	4.0911	2.424	-0.0005	6.5146	0.44	0.0542	0.0099	0.5041
15	6.95	6.67	4.0921	2.4239	-0.0006	6.5154	0.4435	0.0487	0.0116	0.5038
16	7.41	7.06	4.0919	2.4235	-0.0007	6.5147	0.45	0.0467	0.0155	0.5122
17	7.56	7.44	4.0916	2.4231	-0.0008	6.5139	0.461	0.0481	0.0155	0.5246
18	7.42	7.77	4.0909	2.4229	-0.0009	6.5129	0.4676	0.0474	0.0129	0.5279
19	7.59	8.02	4.0905	2.4229	-0.0008	6.5126	0.4749	0.047	0.0126	0.5345
20	7.6	8.22	4.0896	2.4228	-0.0006	6.5119	0.4685	0.0477	0.0122	0.5284
21	8.01	8.42	4.0895	2.4225	-0.0004	6.5115	0.4495	0.0477	0.0121	0.5093
22	8.43	8.62	4.0912	2.4227	-0.0004	6.5135	0.4318	0.0518	0.0147	0.4983
23	8.48	8.85	4.0924	2.4228	-0.0006	6.5146	0.427	0.0592	0.0185	0.5047
24	9.24	9.05	4.0925	2.4228	-0.0008	6.5145	0.4352	0.0594	0.0197	0.5143
25	10	9.26	4.0914	2.4229	-0.0012	6.513	0.4446	0.054	0.017	0.5155
26	10.7	9.48	4.0902	2.4231	-0.0013	6.512	0.453	0.0511	0.0128	0.5169
27	10.4	9.69	4.0891	2.4231	-0.0015	6.5107	0.4616	0.0504	0.0105	0.5225
28	10.3	9.94	4.088	2.4233	-0.0017	6.5096	0.4701	0.0504	0.0098	0.5303

29	9.78	10.1	4.0867	2.4232	-0.0015	6.5084	0.4796	0.051	0.0078	0.5384
30	9.89	10.3	4.0852	2.4233	-0.0014	6.507	0.487	0.0493	0.0052	0.5414
31	10.3	10.5	4.0841	2.4233	-0.0015	6.5059	0.4905	0.0461	0.0038	0.5404
32	10.8	10.6	4.0827	2.4235	-0.0013	6.5048	0.4901	0.0425	0.0044	0.5369
33	11.1	10.7	4.0818	2.4234	-0.0012	6.504	0.4922	0.0358	0.0049	0.5329
34	11	10.7	4.0812	2.4234	-0.0012	6.5034	0.4953	0.0314	0.0049	0.5316
35	11.6	10.8	4.0804	2.4234	-0.0013	6.5025	0.498	0.0304	0.0039	0.5323
36	11.5	10.7	4.0797	2.4237	-0.0011	6.5022	0.502	0.0296	0.0024	0.534
37	12.1	10.7	4.0789	2.424	-0.0013	6.5017	0.503	0.029	0.0024	0.5344
38	11.5	10.7	4.0782	2.424	-0.0015	6.5006	0.505	0.032	0.0018	0.5388
39	11.3	10.7	4.0776	2.4241	-0.0018	6.4998	0.5087	0.0362	0.0007	0.5456
40	10.9	10.7	4.077	2.4243	-0.002	6.4993	0.512	0.0398	0.0001	0.5519
41	10.4	10.7	4.0763	2.4244	-0.0019	6.4987	0.5197	0.04	-0.001	0.5588
42	10.4	10.7	4.0759	2.4241	-0.0018	6.4981	0.5213	0.0383	-0.003	0.5566
43	10.3	10.6	4.0754	2.424	-0.0017	6.4977	0.5094	0.039	-0.0038	0.5446
44	10.1	10.5	4.0745	2.4243	-0.0017	6.4971	0.4951	0.0419	-0.004	0.5329
45	10.2	10.4	4.0739	2.4246	-0.0019	6.4966	0.4692	0.0481	-0.0061	0.5113
46	9.92	10.3	4.073	2.4249	-0.0018	6.496	0.4235	0.0555	-0.0063	0.4727
47	10.5	10.2	4.0723	2.4251	-0.0017	6.4957	0.3954	0.0596	-0.0042	0.4509
48	10.2	10.2	4.072	2.4251	-0.0017	6.4954	0.3924	0.0586	-0.0021	0.4489
49	10.1	10.2	4.0712	2.4253	-0.0021	6.4944	0.3923	0.0574	-0.0014	0.4483
50	9.85	10.1	4.0706	2.4252	-0.0023	6.4936	0.387	0.0578	-0.0024	0.4424
51	9.59	10.2	4.0701	2.4253	-0.0023	6.4931	0.3706	0.0561	0.0004	0.4272
52	9.49	10.2	4.0695	2.4253	-0.0022	6.4925	0.3512	0.0524	-0.0019	0.4017
53	9.38	10.3	4.0689	2.4251	-0.0022	6.4918	0.3439	0.0466	-0.0051	0.3854
54	9.75	10.3	4.0682	2.4248	-0.002	6.491	0.3396	0.0369	-0.0009	0.3757
55	9.98	10.4	4.0674	2.4247	-0.0017	6.4905	0.3507	0.0307	0.0006	0.382
56	10.3	10.5	4.0668	2.4248	-0.0017	6.4899	0.3679	0.0241	0.001	0.393
57	10.7	10.6	4.066	2.425	-0.0018	6.4893	0.3686	0.0179	-0.0004	0.3861
58	10.9	10.7	4.0656	2.425	-0.0017	6.4888	0.3653	0.0139	-0.0021	0.377
59	10.7	10.8	4.065	2.4248	-0.0016	6.4882	0.3676	0.0084	-0.004	0.3721
60	10.7	11	4.0646	2.425	-0.0016	6.488	0.3741	0.0023	-0.004	0.3725
61	11.1	11.1	4.0645	2.4254	-0.0018	6.4881	0.3947	0.0053	-0.0026	0.3974
62	11.5	11.3	4.0638	2.4259	-0.0018	6.488	0.43	0.0018	0.0013	0.4331
63	11.5	11.5	4.063	2.4263	-0.0017	6.4876	0.4643	-0.0033	0.0057	0.4667
64	11.5	11.7	4.0624	2.4266	-0.0018	6.4871	0.524	-0.0109	0.008	0.5211
65	11.9	11.9	4.0615	2.4267	-0.0021	6.4861	0.5643	-0.0145	0.0071	0.5568

66	12.2	12.1	4.0603	2.4266	-0.0021	6.4847	0.606	-0.0174	0.0056	0.5941
67	12.4	12.2	4.0594	2.4266	-0.002	6.484	0.6284	-0.0221	0.0029	0.6091
68	12.4	12.3	4.0584	2.4265	-0.002	6.483	0.6441	-0.0237	0.0009	0.6213
69	12.4	12.4	4.0584	2.4264	-0.0019	6.4829	0.6419	-0.0303	-0.0009	0.6108
70	12.5	12.5	4.0593	2.4264	-0.002	6.4837	0.6376	-0.0334	-0.0002	0.604
71	12.8	12.5	4.0601	2.4261	-0.0021	6.484	0.6321	-0.0362	0.0027	0.5987
72	13.2	12.6	4.06	2.4255	-0.0024	6.483	0.6412	-0.0425	0.0066	0.6053
73	13.7	12.5	4.059	2.4254	-0.0026	6.4818	0.6998	-0.0458	0.009	0.663
74	13.7	12.5	4.0578	2.4257	-0.0024	6.4812	0.742	-0.0505	0.0066	0.6981
75	13.3	12.4	4.0568	2.4259	-0.0021	6.4806	0.7669	-0.0543	0.003	0.7156
76	13.2	12.3	4.0556	2.4259	-0.0019	6.4796	0.7754	-0.0534	-0.0015	0.7205
77	13.2	12.2	4.0545	2.4259	-0.0019	6.4785	0.7811	-0.0477	-0.0014	0.732
78	12.5	12.1	4.0533	2.4258	-0.0017	6.4773	0.7809	-0.0451	-0.0023	0.7335
79	12.3	12	4.0522	2.4258	-0.0015	6.4766	0.7864	-0.044	-0.0032	0.7392
80	12.3	11.9	4.0515	2.426	-0.0014	6.4761	0.7917	-0.0462	-0.0012	0.7443
81	11.7	11.8	4.051	2.4263	-0.0015	6.4758	0.7929	-0.0472	-0.002	0.7437
82	11.2	11.7	4.0503	2.4268	-0.0015	6.4756	0.7918	-0.0484	-0.0018	0.7416
83	10.9	11.6	4.0496	2.4271	-0.0015	6.4752	0.7815	-0.0506	0.0001	0.731
84	10.6	11.5	4.0489	2.4272	-0.0014	6.4746	0.7687	-0.0521	0.0033	0.72
85	10.3	11.5	4.048	2.4272	-0.0013	6.474	0.7692	-0.054	0.0055	0.7207
86	10.2	11.5	4.0474	2.4273	-0.0013	6.4734	0.7841	-0.0582	0.006	0.7319
87	10.1	11.6	4.0467	2.427	-0.0013	6.4725	0.7984	-0.0593	0.0067	0.7458
88	10.5	11.6	4.0459	2.4266	-0.0012	6.4713	0.8118	-0.0585	0.0064	0.7597
89	10.7	11.7	4.0451	2.4262	-0.0011	6.4702	0.8214	-0.0616	0.0028	0.7626
90	10.5	11.8	4.0439	2.4261	-0.001	6.469	0.8204	-0.0588	-0.0032	0.7584
91	10.9	11.9	4.0432	2.4263	-0.0008	6.4687	0.8032	-0.0514	-0.0038	0.748
92	11.9	12.1	4.0438	2.4262	-0.0007	6.4692	0.786	-0.0455	-0.0034	0.7371
93	12.6	12.2	4.0447	2.4258	-0.0007	6.4698	0.7902	-0.0464	-0.0036	0.7403
94	12.9	12.4	4.0466	2.4252	-0.0005	6.4713	0.7899	-0.048	-0.0039	0.738
95	13.6	12.6	4.0505	2.4245	-0.0005	6.4745	0.7934	-0.0448	-0.0021	0.7464
96	14.2	12.8	4.0528	2.424	-0.0007	6.4761	0.7488	-0.0323	-0.0044	0.7121
97	13.9	13	4.0527	2.424	-0.0009	6.4759	0.7338	-0.0234	-0.0043	0.7061
98	13.7	13.2	4.0524	2.4241	-0.001	6.4755	0.7338	-0.0204	-0.0015	0.7119
99	13.9	13.4	4.0525	2.424	-0.0009	6.4756	0.7388	-0.016	-0.001	0.7218
100	14	13.5	4.0536	2.4236	-0.0008	6.4764	0.7297	-0.0142	-0.0057	0.7098
101	13.7	13.7	4.0552	2.423	-0.0007	6.4775	0.7273	-0.0132	-0.0062	0.708
102	13.8	13.8	4.0557	2.4228	-0.0006	6.4779	0.7407	-0.0124	-0.0037	0.7247

103	14.3	13.9	4.0556	2.4229	-0.0009	6.4776	0.7791	-0.017	-0.0053	0.7568
104	14.5	13.9	4.0543	2.4232	-0.0012	6.4764	0.8175	-0.0225	-0.0045	0.7905
105	14.1	14	4.0524	2.4235	-0.0011	6.4747	0.8512	-0.0281	-0.0034	0.8197
106	13.9	14	4.0516	2.4233	-0.0011	6.4739	0.8818	-0.0314	-0.0009	0.8494
107	13.8	14	4.0517	2.4232	-0.001	6.4739	0.9003	-0.0292	0.0014	0.8725
108	13.6	14	4.051	2.4235	-0.001	6.4735	0.9094	-0.0265	-0.0001	0.8828
109	13.6	14.1	4.0499	2.4239	-0.001	6.4728	0.9205	-0.0248	-0.0023	0.8935
110	13.6	14.1	4.0474	2.4242	-0.001	6.4706	0.9304	-0.0226	-0.001	0.9068
111	14	14.1	4.0434	2.4245	-0.0011	6.4668	0.9466	-0.0206	0.0006	0.9265
112	14.1	14.2	4.0403	2.4248	-0.0012	6.4639	0.9699	-0.0173	-0.0017	0.9509
113	14.2	14.1	4.0373	2.4252	-0.0012	6.4613	0.9846	-0.0136	-0.0029	0.9681
114	14.3	14.1	4.0347	2.4255	-0.0012	6.4589	1.0011	-0.0121	-0.0048	0.9841
115	14.5	14.1	4.0315	2.4256	-0.0012	6.456	1.0155	-0.008	-0.0069	1.0007
116	14	14.1	4.0291	2.4257	-0.001	6.4538	1.0188	-0.0042	-0.0091	1.0055
117	14.5	14.2	4.0272	2.4255	-0.0009	6.4518	1.0178	-0.0032	-0.0093	1.0053
118	14.7	14.2	4.0267	2.426	-0.0008	6.4519	1.0261	-0.0011	-0.0083	1.0166
119	14.6	14.2	4.0267	2.4262	-0.0008	6.4522	1.0296	-0.0012	-0.0074	1.021
120	14.3	14.2	4.0264	2.4264	-0.0008	6.452	1.0389	-0.0056	-0.007	1.0263
121	14.4	14.2	4.0254	2.4267	-0.0011	6.451	1.0631	-0.011	-0.0087	1.0434
122	14.1	14.1	4.0213	2.4273	-0.0013	6.4472	1.0825	-0.0171	-0.0115	1.054
123	14	14.1	4.0182	2.4279	-0.0013	6.4448	1.0877	-0.024	-0.0133	1.0504
124	14.3	14.1	4.0158	2.4282	-0.0011	6.4429	1.099	-0.028	-0.0129	1.058
125	14	14.1	4.0138	2.4282	-0.001	6.441	1.1139	-0.0278	-0.0095	1.0766
126	14.2	14.2	4.0121	2.4279	-0.0012	6.4388	1.1234	-0.027	-0.0039	1.0924
127	13.6	14.2	4.011	2.4276	-0.0013	6.4373	1.1289	-0.027	-0.0004	1.1014
128	13.4	14.3	4.0093	2.4277	-0.0014	6.4357	1.1378	-0.0274	0.0032	1.1135
129	13.9	14.4	4.0076	2.4279	-0.0014	6.434	1.1438	-0.0295	0.0043	1.1186
130	13.8	14.5	4.0059	2.428	-0.0012	6.4327	1.146	-0.0291	0.0024	1.1193
131	13.9	14.6	4.0049	2.4281	-0.0013	6.4317	1.1571	-0.026	0.004	1.1351
132	13.9	14.8	4.0045	2.4285	-0.0013	6.4317	1.1793	-0.0245	0.006	1.1609
133	14.1	14.9	4.005	2.4286	-0.0016	6.432	1.1945	-0.0228	0.0069	1.1786
134	14.7	15.1	4.0043	2.4288	-0.0017	6.4314	1.1939	-0.0202	0.0071	1.1808
135	14.6	15.2	4.002	2.4292	-0.0019	6.4293	1.186	-0.0162	0.005	1.1748
136	15.3	15.3	3.9998	2.4296	-0.0018	6.4276	1.179	-0.012	0.0012	1.1682
137	16.3	15.4	3.9978	2.4299	-0.0019	6.4258	1.1754	-0.008	-0.003	1.1644
138	16.6	15.5	3.996	2.4302	-0.0018	6.4244	1.1796	-0.0089	-0.0013	1.1694
139	16.6	15.5	3.9956	2.43	-0.0015	6.424	1.2029	-0.0147	0.0028	1.191

140	16.6	15.6	3.9967	2.4294	-0.0016	6.4245	1.2299	-0.0188	0.0046	1.2158
141	16.7	15.7	3.9977	2.4289	-0.0016	6.425	1.242	-0.0181	0.0079	1.2318
142	16.7	15.7	3.9968	2.4287	-0.0015	6.4241	1.2593	-0.0159	0.0096	1.253
143	17.2	15.8	3.9964	2.4288	-0.0013	6.4239	1.2833	-0.0176	0.0093	1.2751
144	16.2	15.9	3.9952	2.4288	-0.0015	6.4225	1.3065	-0.0185	0.0088	1.2968
145	15.9	16	3.999	2.4279	-0.0015	6.4254	1.3488	-0.0246	0.0105	1.3348
146	15.7	16.1	3.9996	2.4272	-0.0014	6.4254	1.4094	-0.0311	0.0105	1.3888
147	15.3	16	3.9989	2.4271	-0.0016	6.4245	1.4456	-0.0343	0.0105	1.4219
148	14.9	16	3.9981	2.4267	-0.0016	6.4232	1.4471	-0.0329	0.0118	1.426
149	15.5	16	3.9982	2.4267	-0.0015	6.4234	1.4566	-0.033	0.0125	1.4361
150	15	15.9	3.9979	2.4265	-0.0017	6.4228	1.4846	-0.0339	0.0131	1.4638
151	15.1	15.8	3.996	2.4266	-0.0019	6.4207	1.519	-0.0381	0.0103	1.4912
152	16	15.7	3.9916	2.427	-0.0017	6.4169	1.552	-0.0428	0.0082	1.5174
153	16.5	15.7	3.9871	2.4273	-0.0017	6.4127	1.5776	-0.0437	0.0108	1.5447
154	16.5	15.7	3.9831	2.4276	-0.0017	6.4091	1.6002	-0.0471	0.0091	1.5622
155	16.2	15.7	3.9793	2.4278	-0.0016	6.4055	1.6056	-0.051	0.0074	1.562
156	15.5	15.8	3.9768	2.4277	-0.0018	6.4027	1.5998	-0.0521	0.0087	1.5563
157	15.9	15.8	3.9751	2.4277	-0.0018	6.401	1.5931	-0.0566	0.0119	1.5485
158	15.5	15.9	3.9735	2.4274	-0.0015	6.3995	1.5974	-0.06	0.0142	1.5516
159	15.6	15.9	3.9719	2.4271	-0.0015	6.3975	1.6048	-0.0576	0.0141	1.5614
160	15.2	16.1	3.97	2.4271	-0.0017	6.3953	1.6264	-0.0548	0.0112	1.5829
161	15.3	16.2	3.9675	2.4271	-0.0017	6.393	1.6309	-0.0556	0.0121	1.5875
162	15.6	16.3	3.9654	2.4273	-0.0015	6.3911	1.6206	-0.0554	0.0126	1.5779
163	16.6	16.4	3.9629	2.4275	-0.0012	6.3892	1.6195	-0.0498	0.0123	1.582
164	16.9	16.5	3.9608	2.4274	-0.0012	6.3871	1.5914	-0.0442	0.0125	1.5597
165	16.3	16.6	3.9596	2.4271	-0.0012	6.3855	1.5724	-0.0403	0.011	1.5431
166	15.8	16.9	3.9585	2.4269	-0.0012	6.3842	1.5588	-0.0322	0.0115	1.5381
167	16.1	17.1	3.9568	2.4267	-0.0011	6.3823	1.5666	-0.033	0.0123	1.5459
168	17.1	17.4	3.9555	2.4267	-0.0012	6.3809	1.5795	-0.0328	0.0098	1.5566
169	17.4	17.7	3.9545	2.427	-0.0012	6.3803	1.6128	-0.0257	0.0087	1.5958
170	17.5	18	3.953	2.4275	-0.0011	6.3794	1.6485	-0.0179	0.007	1.6376
171	17.6	18.4	3.9518	2.4278	-0.001	6.3786	1.6607	-0.0099	0.0071	1.6579
172	18.1	18.7	3.9513	2.4279	-0.0011	6.378	1.681	-0.0028	0.0082	1.6864
173	18.5	19	3.9491	2.4282	-0.0013	6.376	1.666	0.0019	0.0058	1.6737
174	19.3	19.3	3.9465	2.4285	-0.0014	6.3736	1.6532	0.0104	0.0045	1.6681
175	20.2	19.6	3.9444	2.4286	-0.0017	6.3713	1.6706	0.0128	0.0072	1.6906
176	20.5	20	3.9428	2.4286	-0.0019	6.3695	1.6884	0.0093	0.0058	1.7035

177	21.1	20.3	3.9407	2.4286	-0.0022	6.3672	1.6931	0.0082	0.0058	1.7072
178	21.2	20.6	3.9389	2.4287	-0.0021	6.3655	1.7091	0.0081	0.0073	1.7246
179	21.4	20.8	3.9376	2.4287	-0.0017	6.3646	1.7427	0.0072	0.0099	1.7598
180	21.6	21	3.9357	2.4286	-0.0018	6.3626	1.745	0.0077	0.0129	1.7655
181	21.8	21.2	3.9331	2.4287	-0.002	6.3598	1.7614	0.0111	0.0149	1.7874
182	22.4	21.5	3.9309	2.4291	-0.0022	6.3578	1.7794	0.0142	0.0171	1.8107
183	22.6	21.7	3.9302	2.4292	-0.0022	6.3571	1.8228	0.0151	0.0196	1.8575
184	22.6	21.9	3.9303	2.4288	-0.0019	6.3572	1.856	0.0142	0.0183	1.8885
185	22.4	22	3.9301	2.4284	-0.0014	6.3571	1.8813	0.0148	0.0146	1.9107
186	22.1	22.1	3.9299	2.4281	-0.001	6.3569	1.8984	0.017	0.0141	1.9294
187	22.1	22.2	3.9288	2.4279	-0.0011	6.3555	1.9068	0.0188	0.0135	1.9392
188	21.8	22.3	3.9256	2.428	-0.0014	6.3522	1.9248	0.0172	0.0107	1.9527
189	21.8	22.4	3.9221	2.4281	-0.0016	6.3486	1.9395	0.0158	0.01	1.9653
190	22.1	22.6	3.9197	2.428	-0.0018	6.3458	1.9709	0.0131	0.0139	1.9979
191	22.3	22.7	3.9173	2.4279	-0.0018	6.3434	2.0137	0.0041	0.014	2.0318
192	23	22.9	3.9155	2.4279	-0.0017	6.3417	2.0642	0.0005	0.0142	2.079
193	22.6	23	3.914	2.4277	-0.0016	6.3401	2.0858	0.0002	0.0153	2.1013
194	22.5	23.2	3.9117	2.4277	-0.0016	6.3378	2.1164	0.001	0.0156	2.133
195	22.3	23.3	3.9096	2.4276	-0.0015	6.3356	2.1371	0.001	0.0129	2.1509
196	23.1	23.5	3.9083	2.4274	-0.0017	6.334	2.2028	-0.0079	0.011	2.2059
197	23.4	23.6	3.908	2.4273	-0.0021	6.3333	2.2377	-0.0112	0.0117	2.2382
198	23.7	23.8	3.9067	2.4274	-0.0022	6.3319	2.2746	-0.0139	0.0082	2.2689
199	24.3	23.9	3.904	2.4274	-0.0022	6.3293	2.3108	-0.0155	0.0056	2.3008
200	24.7	24.1	3.9017	2.4274	-0.0019	6.3273	2.3327	-0.0109	0.0025	2.3242
201	24.9	24.2	3.9	2.4273	-0.0015	6.3257	2.3612	-0.0061	-0.0053	2.3499
202	25.5	24.4	3.8979	2.4272	-0.0017	6.3234	2.3727	0.0009	-0.0043	2.3693
203	25.2	24.5	3.8956	2.4276	-0.0018	6.3214	2.3598	0.0106	0.0001	2.3705
204	25.3	24.7	3.8938	2.4283	-0.0019	6.3202	2.3456	0.0132	0.0015	2.3603
205	25.1	24.9	3.8924	2.4287	-0.002	6.3191	2.3354	0.0171	0.0005	2.3529
206	25.5	25.1	3.8923	2.429	-0.0022	6.3191	2.3561	0.0176	-0.0008	2.373
207	24.8	25.2	3.8919	2.4292	-0.0024	6.3187	2.3818	0.0141	-0.0013	2.3947
208	24.7	25.3	3.8906	2.4292	-0.0024	6.3174	2.3994	0.0154	0.0011	2.4159
209	24.2	25.4	3.8872	2.4294	-0.0021	6.3145	2.4241	0.0115	0.0022	2.4378
210	25.5	25.5	3.8843	2.4297	-0.0022	6.3118	2.4414	0.0071	0.0068	2.4553
211	25.5	25.6	3.8813	2.4301	-0.0024	6.309	2.4661	0.0057	0.0041	2.4759
212	25.4	25.7	3.8783	2.4298	-0.0024	6.3057	2.4744	0.0023	0.0053	2.4819
213	25.7	25.8	3.8782	2.4296	-0.0025	6.3054	2.4752	0.0088	0.0076	2.4916

214	26.4	26.1	3.8774	2.4295	-0.0023	6.3046	2.4965	0.0077	0.0114	2.5156
215	26.5	26.4	3.8756	2.4289	-0.0023	6.3022	2.525	0.0081	0.0133	2.5464
216	26.5	26.6	3.8724	2.429	-0.0022	6.2992	2.5489	0.0079	0.013	2.5698
217	25.8	26.9	3.8692	2.4288	-0.0019	6.2961	2.5862	0.0083	0.0139	2.6084
218	26.1	27.3	3.8654	2.4285	-0.0017	6.2923	2.6191	0.0109	0.0138	2.6438
219	26.5	27.7	3.8619	2.428	-0.0015	6.2884	2.668	0.0149	0.0128	2.6957
220	27	27.9	3.8604	2.4274	-0.0016	6.2862	2.6954	0.0198	0.0143	2.7295
221	27	28.3	3.8573	2.427	-0.0019	6.2824	2.7406	0.0233	0.0162	2.78
222	27.6	28.7	3.8547	2.4271	-0.0019	6.2799	2.7916	0.0264	0.0212	2.8392
223	29.7	29	3.8529	2.4268	-0.0017	6.278	2.8469	0.024	0.0244	2.8953
224	30.4	29.3	3.8488	2.427	-0.0019	6.2739	2.8705	0.0243	0.0217	2.9165
225	30.2	29.6	3.845	2.4273	-0.0016	6.2706	2.896	0.028	0.0208	2.9447
226	30.8	30	3.8428	2.4271	-0.0017	6.2681	2.9107	0.0281	0.02	2.9588
227	31.7	30.3	3.8401	2.4268	-0.002	6.2649	2.93	0.0217	0.0184	2.9702
228	31.5	30.8	3.835	2.427	-0.0023	6.2597	2.9653	0.0245	0.0153	3.005
229	30.5	31.2	3.8331	2.4271	-0.0027	6.2574	2.9801	0.0278	0.0148	3.0227
230	32.2	31.6	3.8298	2.4269	-0.0027	6.2539	3.0185	0.0335	0.0169	3.0689
231	32.4	32	3.827	2.4267	-0.003	6.2507	3.0523	0.0293	0.0126	3.0942
232	31.5	32.3	3.8223	2.427	-0.0033	6.246	3.082	0.0295	0.0053	3.1168
233	32.7	32.6	3.8194	2.4272	-0.0034	6.2432	3.112	0.0304	0.0022	3.1446
234	32.4	32.8	3.8162	2.4273	-0.0032	6.2403	3.1573	0.0354	0.0043	3.197
235	33.2	33	3.8121	2.4275	-0.0033	6.2364	3.2008	0.0303	0.0085	3.2397
236	33.2	33.2	3.8091	2.4278	-0.0032	6.2337	3.2444	0.0281	0.0118	3.2843
237	34.3	33.4	3.8053	2.4282	-0.003	6.2305	3.2978	0.0242	0.0137	3.3357
238	33.8	33.6	3.8021	2.4286	-0.0028	6.2278	3.3262	0.0242	0.0098	3.3602
239	35	33.9	3.7985	2.4286	-0.0029	6.2242	3.336	0.0298	0.007	3.3728
240	34.3	34.2	3.7953	2.429	-0.003	6.2213	3.3477	0.0324	0.007	3.3871
241	34.2	34.5	3.7912	2.4289	-0.003	6.2171	3.3805	0.0297	0.002	3.4122
242	34.3	34.9	3.7883	2.4287	-0.003	6.214	3.4091	0.0281	-0.0009	3.4363
243	34.8	35.3	3.7848	2.4287	-0.0029	6.2106	3.4296	0.0303	-0.0007	3.4592
244	34.7	35.6	3.7815	2.4287	-0.0028	6.2074	3.4563	0.0301	0.0006	3.487
245	34.8	36	3.7787	2.4287	-0.0026	6.2048	3.4801	0.0334	0.0024	3.5159
246	35.1	36.5	3.7759	2.4283	-0.0026	6.2016	3.5105	0.0319	0.0053	3.5477
247	35.1	37	3.7715	2.4285	-0.0024	6.1976	3.5547	0.0196	0.0064	3.5806
248	36	37.6	3.767	2.4283	-0.0022	6.1931	3.6341	0.0106	0.0043	3.649
249	37.8	38.2	3.765	2.4278	-0.0018	6.191	3.6903	0.0067	0.0025	3.6995
250	38.9	39	3.7618	2.4272	-0.0011	6.1878	3.7186	0.006	0.0034	3.728

251	39.5	39.7	3.7587	2.4265	-0.0015	6.1837	3.7622	0.0106	0.0082	3.781
252	39	40.5	3.7556	2.4259	-0.0017	6.1798	3.8032	0.013	0.0116	3.8278
253	38.3	41.4	3.7526	2.426	-0.0019	6.1767	3.8347	0.0132	0.0083	3.8562
254	40.7	42.3	3.7496	2.4259	-0.0017	6.1738	3.8763	0.0196	0.0057	3.9016
255	42.9	43.1	3.7437	2.4261	-0.0015	6.1682	3.9284	0.0254	0.0044	3.9583
256	43.3	43.9	3.7386	2.4263	-0.0017	6.1632	3.9802	0.0261	0.0033	4.0097
257	44.8	44.8	3.7352	2.4261	-0.0019	6.1594	4.039	0.0281	0.0005	4.0677
258	47.7	45.7	3.7311	2.4263	-0.0017	6.1557	4.0911	0.0277	0.0034	4.1222
259	49.5	46.4	3.7278	2.4264	-0.0021	6.152	4.1327	0.025	0.0081	4.1658
260	47.1	47.2	3.7234	2.4265	-0.0021	6.1478	4.1586	0.0268	0.0083	4.1937
261	49.3	47.9	3.7201	2.4269	-0.0022	6.1448	4.1778	0.0323	0.001	4.2112
262	52.4	48.7	3.7179	2.4264	-0.0023	6.142	4.1977	0.04	-0.0024	4.2353
263	51.3	49.5	3.7133	2.4268	-0.0024	6.1376	4.2435	0.0414	-0.0034	4.2815
264	49.9	50.3	3.7083	2.4266	-0.0025	6.1324	4.3158	0.0386	-0.004	4.3504
265	51.1	50.9	3.7047	2.4263	-0.0025	6.1285	4.3766	0.0334	-0.0001	4.41
266	52.3	51.3	3.6999	2.426	-0.0026	6.1234	4.4233	0.0231	0.0024	4.4488
267	52.6	51.8	3.6949	2.4256	-0.0025	6.1179	4.4399	0.0223	0.0039	4.4661
268	51.7	52	3.6887	2.4252	-0.0025	6.1113	4.4568	0.0199	0.0077	4.4844
269	53	52.2	3.685	2.425	-0.0027	6.1073	4.4782	0.0201	0.0092	4.5076
270	53.7	52.6	3.6789	2.4252	-0.0027	6.1014	4.4927	0.0208	0.0067	4.5203
271	53.8	52.7	3.6727	2.4251	-0.0031	6.0947	4.538	0.0168	0.0019	4.5567
272	54.5	52.8	3.6666	2.4255	-0.0036	6.0885	4.5645	0.0153	-0.0039	4.5759
273	54.3	52.9	3.662	2.4258	-0.0034	6.0844	4.6069	0.0164	-0.0028	4.6205
274	54.8	53	3.6569	2.4257	-0.0035	6.0791	4.6484	0.0081	-0.0001	4.6563
275	51.6	53.2	3.6534	2.4258	-0.0037	6.0755	4.6654	0.0086	-0.0007	4.6733
276	54.1	53.4	3.6498	2.4264	-0.0037	6.0725	4.7217	0.0152	0.0061	4.743
277	51.7	53.5	3.6442	2.4262	-0.0037	6.0667	4.7628	0.0174	0.0071	4.7873
278	52.4	53.8	3.6409	2.4259	-0.0036	6.0632	4.7932	0.0183	0.0061	4.8176
279	54.6	53.9	3.6358	2.4254	-0.0034	6.0577	4.802	0.0211	0.0042	4.8273
280	52.6	54.1	3.6305	2.4257	-0.0031	6.0532	4.8466	0.0195	0.0004	4.8664
281	54	54.2	3.6249	2.4258	-0.0026	6.0481	4.879	0.0153	-0.0014	4.8929
282	52.9	54.3	3.6197	2.426	-0.0024	6.0433	4.9154	0.0155	-0.0075	4.9234
283	52	54.4	3.6145	2.4256	-0.0026	6.0374	4.9247	0.0247	-0.0132	4.9362
284	54.9	54.7	3.6102	2.4258	-0.0028	6.0332	4.9589	0.029	-0.012	4.9758
285	55	55.3	3.6057	2.4256	-0.0026	6.0287	4.994	0.027	-0.0059	5.015
286	55.3	55.7	3.6001	2.4256	-0.0024	6.0234	5.0131	0.0246	-0.0039	5.0338
287	56.2	56.4	3.5962	2.4254	-0.0021	6.0195	5.0479	0.0231	-0.0007	5.0702

288	56.4	57	3.592	2.425	-0.0021	6.0149	5.0785	0.0237	0.0028	5.105
289	56.5	57.5	3.5873	2.4248	-0.0023	6.0099	5.1139	0.0246	0.0048	5.1433
290	55.9	58.1	3.5816	2.425	-0.002	6.0046	5.1414	0.0215	0.0049	5.1678
291	56.2	58.8	3.5764	2.425	-0.0017	5.9997	5.1717	0.0219	0.0036	5.1972
292	56.5	59.5	3.5725	2.4249	-0.0016	5.9958	5.1901	0.0197	0.0011	5.2109
293	59.9	60.2	3.5684	2.4247	-0.0017	5.9914	5.2186	0.0161	-0.0003	5.2344
294	62.9	60.9	3.5637	2.4243	-0.0018	5.9862	5.2512	0.014	-0.0004	5.2649
295	63.2	61.5	3.5585	2.4244	-0.0021	5.9808	5.286	0.014	-0.0002	5.2998
296	63.8	62.2	3.5528	2.4255	-0.0024	5.9759	5.3316	0.0117	0.0024	5.3458
297	63.9	62.8	3.5446	2.4263	-0.0025	5.9684	5.3779	0.0052	0.0052	5.3883
298	64.1	63.4	3.5377	2.4267	-0.0024	5.9619	5.397	0.0073	0.0072	5.4115
299	64.1	64	3.5322	2.4268	-0.0025	5.9565	5.4209	0.007	0.0098	5.4376
300	66.5	64.7	3.5255	2.4263	-0.0027	5.9492	5.4682	0.0055	0.0153	5.489
301	67.3	65.5	3.5197	2.426	-0.0027	5.943	5.4929	0.0051	0.0222	5.5202
302	65.5	66.2	3.5145	2.4258	-0.0025	5.9378	5.51	0.0049	0.0181	5.533
303	67.2	66.8	3.508	2.4256	-0.0024	5.9312	5.5196	0.0061	0.0123	5.538
304	67.5	67.1	3.5009	2.4258	-0.0023	5.9244	5.5596	0.0127	0.0066	5.579
305	67.6	67.6	3.4944	2.4261	-0.0023	5.9181	5.6108	0.0118	0.0088	5.6315
306	68.3	68	3.4884	2.4262	-0.0023	5.9123	5.6236	0.0062	0.0127	5.6426
307	68.1	68.3	3.4828	2.4264	-0.0028	5.9065	5.6447	0.0009	0.0108	5.6564
308	68.1	68.6	3.4773	2.4267	-0.0032	5.9008	5.6833	-0.0059	0.0096	5.6869
309	68.8	68.8	3.4714	2.4267	-0.0029	5.8951	5.722	-0.01	0.0151	5.7271
310	70.7	68.9	3.4666	2.4265	-0.0024	5.8907	5.767	-0.0098	0.0099	5.7671
311	71	68.9	3.4616	2.4261	-0.0022	5.8855	5.7847	-0.004	0.0083	5.789
312	69.8	69.1	3.4539	2.4257	-0.0021	5.8775	5.7984	0.0051	0.0086	5.8121
313	70.1	69.3	3.4466	2.4258	-0.0021	5.8703	5.836	0.0013	0.0057	5.8429
314	71.5	69.5	3.4398	2.4261	-0.0023	5.8636	5.8466	0.0045	0.0026	5.8538
315	71.8	69.8	3.4333	2.4266	-0.0025	5.8573	5.854	0.0063	0.0011	5.8613
316	70.3	70	3.4284	2.4268	-0.0026	5.8526	5.8657	0.0083	0.0014	5.8755
317	68.7	70.5	3.4236	2.4268	-0.0026	5.8477	5.8605	0.0081	0.0019	5.8704
318	68.3	70.8	3.4176	2.4265	-0.0026	5.8415	5.8655	0.0028	0.0035	5.8718
319	68	71.1	3.4126	2.4259	-0.0022	5.8364	5.8558	-0.0004	0.002	5.8575
320	67.6	71.3	3.4066	2.4257	-0.0017	5.8306	5.8857	-0.0008	-0.001	5.8839
321	69.5	71.4	3.4008	2.4255	-0.0015	5.8248	5.8962	-0.0024	-0.0008	5.893
322	70.7	71.6	3.394	2.4254	-0.0016	5.8178	5.9075	-0.0067	-0.0057	5.8951
323	71.8	71.9	3.3881	2.426	-0.0017	5.8124	5.9146	-0.0068	-0.006	5.9018
324	72.6	72.3	3.3822	2.4261	-0.0018	5.8065	5.936	-0.007	-0.003	5.926

325	73.3	72.6	3.3728	2.4258	-0.0022	5.7963	5.9516	-0.0052	-0.0024	5.9439
326	75.9	73	3.3665	2.4253	-0.0025	5.7893	5.993	-0.0017	-0.003	5.9883
327	74.9	73.5	3.3607	2.425	-0.0026	5.7831	6.0259	0.0072	-0.0045	6.0286
328	74.3	73.9	3.3548	2.4249	-0.0028	5.777	6.0412	0.0073	-0.006	6.0425
329	73.8	74.4	3.3484	2.4251	-0.0027	5.7708	6.0786	0.0048	-0.0056	6.0777
330	72.9	74.9	3.3419	2.4254	-0.0026	5.7646	6.0999	0.0012	-0.005	6.0961
331	73.9	75.3	3.3354	2.4252	-0.0023	5.7583	6.1153	0.0055	0.0004	6.1212
332	76.6	75.7	3.3298	2.4245	-0.002	5.7524	6.1403	0.0078	0.0082	6.1564
333	78.1	76.1	3.3235	2.4243	-0.0022	5.7456	6.1359	0.0149	0.0085	6.1593
334	78	76.6	3.3168	2.4246	-0.0026	5.7388	6.1467	0.0178	0.0021	6.1666
335	77.7	76.8	3.3108	2.4251	-0.0029	5.733	6.182	0.02	-0.0004	6.2016
336	77.8	77	3.3043	2.4255	-0.0031	5.7267	6.2168	0.015	0.0024	6.2342
337	77.1	77.2	3.2974	2.4258	-0.0032	5.72	6.2433	0.0115	0.0065	6.2612
338	76.8	77.5	3.2907	2.4261	-0.0033	5.7135	6.2714	0.0082	0.013	6.2926
339	77.1	77.8	3.2843	2.4265	-0.0034	5.7074	6.3016	0.0057	0.0153	6.3227
340	77.2	78.1	3.2782	2.4268	-0.0034	5.7016	6.3256	0	0.0124	6.3381
341	78.3	78.2	3.2722	2.4269	-0.0031	5.696	6.3501	-0.0007	0.0153	6.3646
342	80.5	78.1	3.2664	2.4271	-0.003	5.6905	6.3734	-0.004	0.02	6.3893
343	80.4	78	3.2596	2.4273	-0.0029	5.6841	6.4147	-0.0084	0.02	6.4263
344	78.7	78	3.2529	2.4273	-0.0028	5.6774	6.45	-0.0133	0.0194	6.4561
345	78.9	78	3.2456	2.4275	-0.0028	5.6702	6.4801	-0.0187	0.0178	6.4791
346	78.9	78.1	3.2381	2.4278	-0.0031	5.6628	6.4868	-0.0181	0.0135	6.4822
347	80.1	78.4	3.2318	2.4278	-0.0031	5.6564	6.4851	-0.0034	0.0141	6.4957
348	79.5	78.9	3.2249	2.4276	-0.0031	5.6493	6.4743	0.0039	0.0103	6.4885
349	77.8	79.3	3.2181	2.4272	-0.0033	5.6421	6.491	0.0075	0.005	6.5036
350	75.6	79.8	3.2125	2.4266	-0.0033	5.6358	6.5073	0.0101	0.0016	6.519
351	75.2	80.1	3.2077	2.426	-0.0033	5.6304	6.5218	0.0089	-0.0023	6.5284
352	76.8	80.3	3.2036	2.4253	-0.0029	5.626	6.5593	0.0054	-0.0019	6.5628
353	77.2	80.4	3.1966	2.4247	-0.0026	5.6188	6.5962	0.002	0.0015	6.5997
354	79.1	80.8	3.1885	2.4247	-0.0026	5.6106	6.6095	-0.0029	0.0034	6.61
355	79.8	81.1	3.1813	2.4255	-0.0028	5.604	6.6206	-0.0058	0.0052	6.62
356	82.7	81.4	3.1742	2.4262	-0.0028	5.5976	6.635	-0.0044	-0.0031	6.6274
357	84.8	81.7	3.1668	2.4267	-0.0028	5.5907	6.6786	-0.0028	-0.0344	6.6414
358	86	82	3.1589	2.4273	-0.0032	5.583	6.6926	0.003	-0.04	6.6556
359	86	82.3	3.1511	2.4274	-0.0031	5.5753	6.7225	0.008	-0.0419	6.6887
360	84.7	82.8	3.1449	2.4269	-0.0029	5.5689	6.7525	0.0065	-0.0369	6.722
361	83.7	83.4	3.1403	2.4264	-0.0031	5.5636	6.7452	0.0036	-0.0282	6.7206

362	83.2	83.9	3.1343	2.4263	-0.0029	5.5577	6.766	0.0041	-0.0252	6.7449
363	84.9	84.3	3.1286	2.4263	-0.0027	5.5523	6.7868	0.0043	-0.0345	6.7567
364	84.8	84.5	3.1229	2.426	-0.0026	5.5463	6.8339	0.0086	-0.0831	6.7594
365	84.3	84.7	3.1181	2.4255	-0.0026	5.541	6.8499	0.0123	-0.0819	6.7803
366	85.8	84.8	3.1138	2.4252	-0.0028	5.5363	6.8761	0.0145	-0.0835	6.8072
367	85.6	84.9	3.1083	2.4253	-0.0029	5.5308	6.9168	0.0174	-0.0851	6.8492
368	84.4	84.9	3.1031	2.4252	-0.0027	5.5256	6.938	0.0223	-0.0861	6.8742
369	84.3	84.9	3.0964	2.4251	-0.0026	5.5189	6.9594	0.0253	-0.0841	6.9007
370	86.3	84.9	3.0893	2.4254	-0.0026	5.5121	6.9771	0.0226	-0.0816	6.9181
371	85.9	85.2	3.0819	2.4258	-0.0025	5.5052	6.99	0.0234	-0.0745	6.9389
372	84.8	85.3	3.0751	2.4261	-0.003	5.4983	6.9939	0.0238	-0.0761	6.9416
373	82.7	85.6	3.0684	2.4265	-0.0031	5.4918	7.0196	0.0233	-0.08	6.9629
374	85	85.8	3.0617	2.4262	-0.0032	5.4847	7.0383	0.031	-0.081	6.9883
375	84.8	86	3.0541	2.426	-0.0034	5.4766	7.071	0.032	-0.0778	7.0252
376	86.1	86.1	3.0472	2.4257	-0.0033	5.4696	7.0593	0.0307	-0.0791	7.0108
377	85.7	86.3	3.0401	2.4254	-0.0031	5.4624	7.0681	0.0273	-0.0807	7.0148
378	85.8	86.5	3.033	2.4255	-0.0031	5.4554	7.1075	0.0271	-0.0864	7.0482
379	85.8	86.8	3.0258	2.4253	-0.0029	5.4481	7.1264	0.032	-0.0877	7.0708
380	89.2	86.9	3.019	2.4252	-0.0031	5.4411	7.1657	0.0375	-0.0832	7.12
381	85.3	87	3.0108	2.425	-0.0034	5.4324	7.1688	0.0416	-0.0758	7.1345
382	89	87.2	3.0061	2.4246	-0.0033	5.4274	7.1911	0.0426	-0.0777	7.156
383	88.9	87.5	2.9998	2.4238	-0.0028	5.4208	7.2223	0.0325	-0.0758	7.1789
384	88.1	87.7	2.992	2.4238	-0.0027	5.413	7.2505	0.0261	-0.0768	7.1998
385	88.6	88.1	2.984	2.4241	-0.0028	5.4053	7.296	0.0242	-0.0802	7.2401
386	89.7	88.4	2.9758	2.4245	-0.003	5.3973	7.3235	0.0216	-0.081	7.2641
387	88.3	88.8	2.969	2.4246	-0.0034	5.3902	7.3648	0.0214	-0.0799	7.3063
388	89.6	89.1	2.9619	2.4245	-0.0037	5.3827	7.4009	0.0219	-0.0785	7.3444
389	88.7	89.5	2.9548	2.4248	-0.0035	5.3761	7.41	0.0245	-0.078	7.3565
390	87.4	89.7	2.9466	2.4251	-0.0035	5.3682	7.4431	0.031	-0.078	7.3961
391	88.7	90	2.939	2.4254	-0.0037	5.3608	7.4651	0.0359	-0.0786	7.4224
392	87.7	90.2	2.931	2.4257	-0.0036	5.3532	7.5104	0.035	-0.0759	7.4695
393	89.7	90.4	2.9234	2.426	-0.0036	5.3458	7.5531	0.0369	-0.0696	7.5204
394	91.9	90.7	2.9157	2.4262	-0.0036	5.3383	7.5599	0.0391	-0.0701	7.5289
395	90.8	90.9	2.9099	2.4262	-0.0034	5.3326	7.575	0.0411	-0.0776	7.5384
396	93.8	91	2.9043	2.4258	-0.0038	5.3263	7.5847	0.0437	-0.0794	7.549
397	92.1	91.4	2.8972	2.4259	-0.0035	5.3195	7.6051	0.0438	-0.081	7.5679
398	93.9	91.6	2.8886	2.426	-0.0029	5.3116	7.6453	0.0417	-0.0813	7.6057

399	92.3	92	2.8814	2.4258	-0.0027	5.3046	7.6573	0.0405	-0.0843	7.6135
400	91	92.4	2.8733	2.4255	-0.0025	5.2963	7.6807	0.0363	-0.086	7.631
401	92.1	93	2.8637	2.4255	-0.0025	5.2867	7.7385	0.0304	-0.0855	7.6834
402	93.6	93.6	2.8548	2.4256	-0.0026	5.2778	7.7705	0.024	-0.0842	7.7104
403	93.6	94	2.847	2.4259	-0.0027	5.2702	7.8299	0.016	-0.0795	7.7665
404	92.5	94.7	2.8389	2.4264	-0.0029	5.2624	7.8699	0.0112	-0.0728	7.8083
405	92.1	95.3	2.8309	2.4265	-0.002	5.2554	7.8717	0.0073	-0.0758	7.8032
406	94.1	95.7	2.8206	2.4264	0.0011	5.2481	7.896	0.0136	-0.077	7.8326
407	94.9	96.1	2.8135	2.4261	0.0012	5.2409	7.9028	0.0189	-0.0756	7.846
408	95.6	96.7	2.805	2.4259	0.001	5.2319	7.9105	0.0252	-0.0763	7.8594
409	95.5	97.1	2.7961	2.426	0.0007	5.2229	7.911	0.0368	-0.0854	7.8624
410	98.9	97.7	2.792	2.4261	0.0005	5.2186	7.9193	0.0386	-0.0873	7.8706
411	99.1	98.2	2.785	2.4256	0.0004	5.211	7.9688	0.0299	-0.0824	7.9163
412	98.6	98.8	2.7753	2.4253	0.0014	5.2019	8.0063	0.0234	-0.0855	7.9442
413	104	99.2	2.7632	2.4249	0.0063	5.1944	8.0461	0.0168	-0.0823	7.9806
414	103	99.6	2.7548	2.4249	0.0059	5.1856	8.1086	0.0162	-0.0756	8.0491
415	101	100	2.7456	2.4251	0.0058	5.1766	8.1226	0.0158	-0.078	8.0604
416	100	101	2.7367	2.4251	0.0059	5.1677	8.1589	0.0137	-0.0803	8.0923
417	104	102	2.7298	2.4245	0.006	5.1603	8.2132	0.0096	-0.0809	8.1419
418	100	103	2.7217	2.424	0.0058	5.1515	8.281	0.0058	-0.08	8.2068
419	103	103	2.7149	2.4237	0.006	5.1446	8.3319	0.0008	-0.0797	8.253
420	102	104	2.7076	2.4234	0.0057	5.1367	8.3568	0.0013	-0.0771	8.281
421	105	105	2.7014	2.4231	0.0061	5.1306	8.3722	0.0059	-0.0749	8.3032
422	101	106	2.692	2.4231	0.0064	5.1215	8.4058	0.0091	-0.0742	8.3408
423	100	106	2.6842	2.4229	0.0064	5.1135	8.4227	0.013	-0.08	8.3558
424	107	106	2.6751	2.4229	0.006	5.104	8.4586	0.0165	-0.083	8.3922
425	106	107	2.6669	2.4227	0.0057	5.0953	8.4817	0.0171	-0.0844	8.4143
426	114	108	2.6597	2.4226	0.0056	5.0879	8.4985	0.0189	-0.0878	8.4297
427	111	109	2.65	2.4223	0.006	5.0783	8.5119	0.0187	-0.0869	8.4437
428	109	109	2.6422	2.4217	0.006	5.0699	8.5158	0.0169	-0.0824	8.4503
429	113	110	2.6318	2.4214	0.0056	5.0588	8.5201	0.02	-0.0799	8.4603
430	109	111	2.625	2.4212	0.005	5.0512	8.6046	0.021	-0.1497	8.4758
431	114	111	2.6163	2.4209	0.0055	5.0427	8.675	0.0201	-0.1893	8.5059
432	112	112	2.6076	2.4213	0.0056	5.0345	8.6681	0.0169	-0.1874	8.4977
433	113	113	2.5984	2.4217	0.0055	5.0256	8.6961	0.0134	-0.1862	8.5232
434	116	114	2.5872	2.4222	0.0054	5.0148	8.7176	0.0086	-0.1836	8.5426
435	117	115	2.5785	2.4229	0.0052	5.0066	8.7424	0.0078	-0.1859	8.5643

436	115	115	2.5679	2.4233	0.0049	4.9961	8.772	0.0088	-0.1893	8.5915
437	114	116	2.5573	2.4236	0.0046	4.9855	8.7798	0.0109	-0.1907	8.5999
438	114	116	2.5497	2.4237	0.0045	4.9779	8.7971	0.0113	-0.1932	8.6152
439	117	117	2.54	2.4234	0.0044	4.9678	8.8248	0.0084	-0.1934	8.6398
440	116	117	2.5317	2.4232	0.0045	4.9594	8.8552	0.0102	-0.19	8.6754
441	117	118	2.5212	2.4234	0.0045	4.9491	8.8689	0.0105	-0.1903	8.6892
442	120	118	2.5111	2.4234	0.004	4.9385	8.8771	0.0153	-0.1914	8.7009
443	119	119	2.5037	2.4234	0.0042	4.9312	8.8722	0.0206	-0.1896	8.7032
444	118	119	2.4954	2.4232	0.005	4.9236	8.8834	0.0256	-0.189	8.72
445	124	120	2.4871	2.4231	0.0051	4.9153	8.9034	0.0289	-0.1898	8.7425
446	120	121	2.4776	2.4234	0.005	4.906	8.9361	0.0308	-0.1911	8.7759
447	122	122	2.4672	2.4236	0.005	4.8959	8.9708	0.03	-0.1968	8.804
448	123	122	2.4592	2.4235	0.0053	4.888	8.9989	0.0324	-0.1924	8.839
449	118	123	2.4501	2.4236	0.0053	4.879	8.9994	0.0318	-0.1831	8.8482
450	124	124	2.4386	2.4236	0.0052	4.8674	9.0182	0.0294	-0.1781	8.8695
451	120	124	2.4307	2.4236	0.0051	4.8594	9.0514	0.027	-0.1768	8.9016
452	124	125	2.4207	2.4237	0.005	4.8494	9.0494	0.0275	-0.1785	8.8984
453	126	126	2.4096	2.4236	0.0047	4.838	9.0365	0.032	-0.1804	8.8881
454	128	126	2.4013	2.424	0.005	4.8303	9.0374	0.0393	-0.1814	8.8953
455	131	127	2.3917	2.4241	0.0049	4.8207	9.0331	0.0471	-0.1811	8.8991
456	129	127	2.3839	2.4243	0.0048	4.813	9.0401	0.0525	-0.1718	8.9208
457	125	128	2.3758	2.4242	0.0048	4.8048	9.0334	0.0553	-0.143	8.9457
458	129	128	2.3678	2.4236	0.0053	4.7967	9.0505	0.0524	-0.1442	8.9587
459	132	129	2.3591	2.4235	0.0056	4.7882	9.0461	0.0496	-0.146	8.9498
460	132	130	2.348	2.4239	0.0053	4.7772	9.058	0.0501	-0.1461	8.962
461	130	130	2.3396	2.424	0.0055	4.7692	9.1145	0.0483	-0.1461	9.0167
462	132	131	2.3297	2.4246	0.0054	4.7596	9.1263	0.0442	-0.1443	9.0262
463	130	132	2.3178	2.4247	0.0049	4.7474	9.1151	0.043	-0.134	9.024
464	130	132	2.3107	2.4244	0.0052	4.7403	9.0772	0.0412	-0.0829	9.0354
465	131	132	2.3023	2.4241	0.0054	4.7318	9.0938	0.0428	-0.0852	9.0513
466	134	133	2.2925	2.4243	0.0053	4.7221	9.1152	0.0444	-0.0893	9.0703
467	134	133	2.2802	2.4247	0.0051	4.7101	9.113	0.0443	-0.0897	9.0676
468	132	134	2.2699	2.4251	0.0053	4.7003	9.1339	0.0397	-0.0856	9.088
469	135	134	2.2607	2.425	0.0051	4.6908	9.1488	0.0371	-0.0871	9.0988
470	135	134	2.2521	2.4248	0.0049	4.6818	9.1553	0.0349	-0.0897	9.1005
471	136	135	2.2414	2.4249	0.0049	4.6711	9.1729	0.0314	-0.0951	9.1092
472	136	135	2.2328	2.4248	0.005	4.6627	9.2028	0.0264	-0.0869	9.1423

473	137	135	2.2226	2.4248	0.0052	4.6526	9.1919	0.0263	-0.0778	9.1404
474	135	135	2.2135	2.4245	0.0052	4.6433	9.1881	0.0293	-0.0767	9.1407
475	138	136	2.2042	2.4241	0.0054	4.6337	9.1821	0.0349	-0.0838	9.1332
476	136	136	2.196	2.4238	0.0054	4.6253	9.1899	0.0369	-0.0861	9.1408
477	133	136	2.1885	2.4237	0.0051	4.6174	9.1925	0.0402	-0.0869	9.1458
478	135	136	2.181	2.4234	0.0049	4.6094	9.1972	0.0378	-0.0934	9.1416
479	139	136	2.1653	2.4232	0.012	4.6005	9.1957	0.0317	-0.1173	9.1101
480	139	135	2.1515	2.4232	0.0158	4.5905	9.1783	0.0263	-0.1209	9.0838
481	137	135	2.144	2.4233	0.0153	4.5827	9.2	0.0185	-0.1231	9.0954
482	136	135	2.1365	2.4232	0.0154	4.5751	9.1819	0.0084	-0.1194	9.0709
483	135	135	2.128	2.423	0.0155	4.5665	9.1814	0.0106	-0.1198	9.0722
484	135	135	2.1177	2.423	0.0159	4.5566	9.165	0.0166	-0.12	9.0616
485	135	135	2.1068	2.4232	0.0161	4.5461	9.1466	0.0191	-0.1203	9.0453
486	134	135	2.0978	2.4234	0.0161	4.5373	9.1586	0.0224	-0.1194	9.0616
487	133	136	2.0893	2.4235	0.0159	4.5287	9.1252	0.0279	-0.1237	9.0294
488	133	136	2.0794	2.4236	0.0157	4.5187	9.1049	0.0304	-0.1258	9.0095
489	132	136	2.0693	2.4238	0.0155	4.5086	9.1295	0.0335	-0.1307	9.0323
490	133	136	2.0597	2.424	0.0155	4.4992	9.1126	0.0347	-0.1357	9.0117
491	135	136	2.0513	2.4239	0.0155	4.4907	9.1109	0.0364	-0.132	9.0153
492	136	136	2.0438	2.4237	0.0154	4.4829	9.1119	0.0342	-0.1264	9.0197
493	141	136	2.035	2.4235	0.0153	4.4738	9.0838	0.035	-0.1324	8.9865
494	137	137	2.0254	2.4233	0.0154	4.4641	9.0878	0.035	-0.1335	8.9893
495	135	137	2.0162	2.4231	0.0157	4.455	9.0926	0.0338	-0.126	9.0003
496	140	137	2.0072	2.4228	0.0159	4.4459	9.0806	0.0331	-0.1259	8.9878
497	139	137	1.9973	2.4226	0.0157	4.4356	9.0952	0.0405	-0.126	9.0097
498	137	138	1.9886	2.4228	0.0154	4.4268	9.0456	0.0443	-0.1254	8.9646
499	139	138	1.9796	2.4229	0.0152	4.4176	9.0599	0.046	-0.1202	8.9857
500	139	138	1.9682	2.4227	0.0152	4.4061	9.0375	0.0473	-0.1209	8.964
501	140	138	1.9588	2.4227	0.0154	4.3968	8.9967	0.0496	-0.1214	8.9249
502	139	139	1.9512	2.4224	0.0154	4.389	8.999	0.0466	-0.1259	8.9197
503	140	139	1.9433	2.422	0.0154	4.3807	8.9957	0.0447	-0.1268	8.9136
504	140	139	1.9355	2.4216	0.0152	4.3724	8.961	0.0415	-0.1289	8.8736
505	139	139	1.9269	2.4213	0.0152	4.3633	8.9679	0.041	-0.127	8.8818
506	138	139	1.9172	2.4209	0.0154	4.3536	8.9416	0.0439	-0.127	8.8586
507	138	139	1.9085	2.4209	0.0156	4.345	8.946	0.045	-0.1289	8.8621
508	139	139	1.9004	2.421	0.0156	4.3369	8.9589	0.0459	-0.1253	8.8795
509	137	139	1.8903	2.421	0.0154	4.3267	8.9385	0.0436	-0.1199	8.8622

510	138	139	1.8806	2.4213	0.0151	4.3169	8.9145	0.0506	-0.1171	8.848
511	140	139	1.8723	2.4212	0.0148	4.3084	8.8743	0.0585	-0.1199	8.8129
512	138	139	1.8638	2.421	0.0148	4.2995	8.8762	0.0665	-0.1172	8.8255
513	139	139	1.8555	2.4208	0.0145	4.2908	8.8395	0.0731	-0.1184	8.7942
514	140	138	1.8454	2.4206	0.0144	4.2805	8.7925	0.0756	-0.1238	8.7443
515	137	138	1.8341	2.4207	0.0147	4.2695	8.7917	0.0794	-0.1194	8.7516
516	138	138	1.8254	2.4206	0.0149	4.2609	8.7786	0.0782	-0.1179	8.7389
517	139	139	1.8164	2.4206	0.0145	4.2515	8.7645	0.0822	-0.1165	8.7301
518	138	139	1.8068	2.4203	0.0145	4.2416	8.721	0.0888	-0.1129	8.6969
519	139	139	1.7994	2.4202	0.015	4.2345	8.6814	0.0917	-0.1112	8.6619
520	138	138	1.7903	2.4203	0.0152	4.2257	8.6637	0.0905	-0.1126	8.6417
521	141	138	1.7811	2.4205	0.0148	4.2164	8.6479	0.0869	-0.1207	8.6142
522	140	139	1.7728	2.4205	0.0142	4.2075	8.6269	0.0813	-0.1223	8.5859
523	136	139	1.7654	2.42	0.0141	4.1995	8.6246	0.077	-0.1182	8.5833
524	138	138	1.7569	2.4194	0.0144	4.1907	8.5904	0.0949	-0.1131	8.5722
525	139	139	1.7479	2.419	0.0143	4.1812	8.5361	0.117	-0.1105	8.5426
526	141	139	1.7404	2.4186	0.0143	4.1733	8.481	0.1318	-0.1111	8.5017
527	139	139	1.7303	2.4185	0.0153	4.1641	8.4643	0.1341	-0.1101	8.4883
528	137	139	1.7226	2.4185	0.0177	4.1589	8.4589	0.1403	-0.1142	8.485
529	137	139	1.714	2.4188	0.0177	4.1504	8.4455	0.1499	-0.1218	8.4735
530	138	139	1.705	2.4193	0.0173	4.1416	8.3551	0.1515	-0.0533	8.4533
531	142	139	1.6981	2.4201	0.0174	4.1356	8.3133	0.1516	-0.0165	8.4485
532	138	139	1.6894	2.4202	0.0176	4.1272	8.3087	0.144	-0.0195	8.4333
533	136	139	1.6819	2.42	0.0175	4.1195	8.3006	0.1479	-0.017	8.4315
534	142	139	1.6725	2.4203	0.0174	4.1103	8.2846	0.1537	-0.0155	8.4228
535	141	139	1.6626	2.4207	0.0171	4.1004	8.2466	0.158	-0.015	8.3896
536	141	139	1.6554	2.4205	0.0173	4.0931	8.1922	0.1621	-0.014	8.3403
537	141	139	1.6469	2.4206	0.0172	4.0846	8.1726	0.1687	-0.0124	8.3289
538	136	139	1.6367	2.4203	0.0176	4.0746	8.1543	0.1685	-0.0115	8.3113
539	136	139	1.6287	2.4199	0.018	4.0666	8.1125	0.165	-0.0125	8.265
540	138	139	1.6206	2.4196	0.0177	4.0578	8.0696	0.1665	-0.0168	8.2193
541	141	139	1.61	2.42	0.0171	4.0471	8.0307	0.1647	-0.0158	8.1795
542	136	140	1.6027	2.4199	0.0172	4.0398	8.0028	0.1636	-0.014	8.1525
543	136	140	1.5949	2.4199	0.0175	4.0323	7.9849	0.1632	-0.013	8.1351
544	142	140	1.5861	2.4198	0.0176	4.0235	7.9666	0.1557	-0.0123	8.11
545	141	140	1.579	2.4198	0.0177	4.0165	7.9033	0.1717	-0.0134	8.0616
546	140	139	1.568	2.4194	0.0176	4.005	7.8702	0.1761	-0.0126	8.0336

547	142	139	1.5627	2.4192	0.0176	3.9994	7.8051	0.1873	-0.014	7.9784
548	138	139	1.5532	2.4189	0.0173	3.9894	7.7554	0.1807	-0.0176	7.9185
549	141	139	1.5463	2.4189	0.0174	3.9826	7.7273	0.1732	-0.0221	7.8784
550	145	139	1.539	2.4186	0.0173	3.975	7.7089	0.1604	-0.0245	7.8448
551	144	139	1.5308	2.4189	0.0177	3.9674	7.6582	0.1537	-0.0234	7.7884
552	138	139	1.5211	2.4192	0.0177	3.958	7.6265	0.154	-0.0209	7.7596
553	142	139	1.5135	2.4195	0.0176	3.9506	7.6125	0.1475	-0.0189	7.7412
554	137	139	1.5045	2.4199	0.0177	3.9421	8.1447	0.0625	-0.485	7.7222
555	137	138	1.4975	2.4197	0.0176	3.9348	8.9524	0.0329	-1.3048	7.6806
556	138	138	1.4893	2.4198	0.0177	3.9268	9.1932	0.0644	-1.6402	7.6174
557	134	137	1.4799	2.4196	0.0173	3.9168	9.1341	0.0769	-1.6536	7.5574
558	136	137	1.474	2.4192	0.0173	3.9105	9.1248	0.0372	-1.6619	7.5001
559	137	136	1.4677	2.4185	0.0173	3.9034	9.1028	0.0084	-1.6536	7.4576
560	137	135	1.4606	2.4181	0.0173	3.8959	9.0934	0.0085	-1.6828	7.4191
561	137	135	1.452	2.4174	0.0172	3.8866	9.0878	0.0144	-1.7381	7.3641
562	136	134	1.4457	2.4173	0.0172	3.8802	9.0716	0.0188	-1.7774	7.3131
563	133	134	1.4385	2.4171	0.0173	3.8729	9.0155	0.0274	-1.79	7.2529
564	134	133	1.4315	2.4165	0.0171	3.8651	8.9524	0.0411	-1.7856	7.2078
565	134	133	1.4244	2.4163	0.0172	3.8579	8.8814	0.0464	-1.7853	7.1425
566	133	133	1.4161	2.4161	0.017	3.8491	8.8131	0.0494	-1.7958	7.0667
567	129	133	1.4081	2.4158	0.0164	3.8404	8.808	0.0474	-1.8167	7.0387
568	127	132	1.4017	2.416	0.0164	3.8341	8.7967	0.0542	-1.8456	7.0053
569	130	132	1.3943	2.4159	0.0164	3.8267	8.7554	0.0597	-1.871	6.9441
570	130	131	1.3873	2.4161	0.0169	3.8203	8.7371	0.0606	-1.8764	6.9214
571	128	130	1.3787	2.4167	0.0171	3.8125	8.6856	0.0584	-1.8703	6.8738
572	130	130	1.3704	2.4171	0.0169	3.8044	8.6098	0.0819	-1.8846	6.8072
573	132	130	1.3635	2.4153	0.0165	3.7953	8.5503	0.0967	-1.8838	6.7632
574	132	129	1.3599	2.4128	0.0162	3.789	8.4961	0.0792	-1.8644	6.711
575	133	129	1.3561	2.4109	0.0165	3.7835	8.4263	0.079	-1.8705	6.6348
576	132	128	1.3496	2.4104	0.0164	3.7764	8.367	0.0826	-1.8825	6.567
577	126	128	1.3426	2.4097	0.0166	3.7689	8.3301	0.0733	-1.8833	6.5201
578	126	128	1.3365	2.4085	0.0171	3.7621	8.2588	0.067	-1.8743	6.4515
579	127	127	1.3298	2.408	0.0174	3.7552	8.1991	0.0673	-1.8485	6.4178
580	127	127	1.3201	2.408	0.0175	3.7456	8.1388	0.0717	-1.8446	6.3659
581	129	126	1.3131	2.4089	0.0173	3.7394	8.065	0.0831	-1.8498	6.2983
582	128	126	1.3064	2.4084	0.0171	3.7319	8.0357	0.0776	-1.8559	6.2574
583	125	125	1.2996	2.4076	0.0171	3.7242	7.9824	0.0894	-1.8682	6.2037

584	122	125	1.2931	2.4072	0.0174	3.7176	7.9453	0.0922	-1.8624	6.1751
585	120	124	1.2876	2.407	0.0175	3.7121	7.8578	0.0878	-1.8467	6.0989
586	124	123	1.2805	2.4065	0.0173	3.7044	7.7518	0.0931	-1.8183	6.0265
587	123	123	1.2739	2.4066	0.0171	3.6976	7.6768	0.0922	-1.7971	5.9718
588	123	122	1.2681	2.4071	0.0169	3.6922	7.6073	0.0887	-1.7659	5.9301
589	122	121	1.2623	2.4072	0.0172	3.6866	7.517	0.0817	-1.7352	5.8636
590	122	120	1.2567	2.4075	0.0171	3.6813	7.4394	0.0794	-1.7069	5.8119
591	119	120	1.2511	2.4076	0.0169	3.6755	7.3604	0.0812	-1.6815	5.76
592	121	119	1.2453	2.4074	0.0167	3.6693	7.2657	0.0782	-1.6588	5.6852
593	120	118	1.2384	2.4079	0.0165	3.6628	7.1976	0.0692	-1.6324	5.6344
594	118	117	1.235	2.4061	0.0167	3.6579	7.1084	0.0776	-1.6214	5.5645
595	118	116	1.2292	2.4055	0.0169	3.6517	7.036	0.0821	-1.6224	5.4958
596	115	114	1.2267	2.4041	0.0173	3.6481	6.9982	0.0783	-1.625	5.4515
597	115	113	1.2217	2.4046	0.0175	3.6438	6.9211	0.0479	-1.6312	5.3378
598	112	112	1.2159	2.4055	0.0176	3.6389	6.914	0.0224	-1.6297	5.3066
599	112	111	1.2087	2.4068	0.0176	3.6331	6.8368	0.0139	-1.6259	5.2248
600	111	109	1.2024	2.4074	0.0175	3.6273	6.7923	0.0173	-1.6314	5.1781
601	109	108	1.1961	2.4073	0.0174	3.6209	6.7467	0.0164	-1.6274	5.1356
602	106	107	1.1899	2.4077	0.0173	3.6149	6.6853	0.0161	-1.6156	5.0859
603	103	105	1.1288	2.4157	0.0639	3.6085	6.617	0.0199	-1.6115	5.0253
604	102	104	1.0403	2.4184	0.1457	3.6044	6.5588	0.0297	-1.613	4.9755
605	101	102	1.0075	2.4148	0.1792	3.6016	6.4782	0.0396	-1.6102	4.9077
606	100	101	1.0038	2.4132	0.1808	3.5978	6.434	0.0432	-1.6158	4.8614
607	98.4	100	0.996	2.4172	0.1818	3.595	6.3901	0.038	-1.613	4.8152
608	98.9	98.8	0.9901	2.4201	0.1809	3.5912	6.3142	0.0416	-1.6104	4.7453
609	95.9	97.5	0.981	2.4202	0.1836	3.5848	6.2757	0.0369	-1.6072	4.7053
610	95.5	96.2	0.9718	2.4198	0.1889	3.5805	6.2474	0.0197	-1.6076	4.6595
611	93.9	94.9	0.9652	2.4193	0.1925	3.5771	6.1795	0.0147	-1.5883	4.6058
612	90.5	93.6	0.9622	2.4182	0.1938	3.5742	6.2335	0.0005	-1.5747	4.6594
613	92	92.7	0.9603	2.4167	0.1931	3.57	6.6961	-0.0008	-1.7804	4.9149
614	93.7	91.6	0.9573	2.416	0.1929	3.5662	7.0108	-0.0019	-2.5939	4.415
615	92.5	90.5	0.9528	2.4157	0.1943	3.5629	7.2534	-0.0101	-2.9168	4.3266
616	90	89.5	0.9446	2.4159	0.1965	3.5571	7.1368	-0.0142	-2.8137	4.3089
617	90.1	88.5	0.9367	2.4151	0.1991	3.551	7.0419	-0.0185	-2.785	4.2384
618	87.8	87.5	0.9313	2.4143	0.2016	3.5472	6.9443	-0.0233	-2.7731	4.1479
619	86.5	86.7	0.9256	2.4141	0.2026	3.5424	6.8177	-0.0167	-2.7134	4.0876
620	83.8	85.8	0.9217	2.4144	0.2022	3.5384	6.7106	-0.0145	-2.6631	4.0329

621	82.6	84.8	0.9202	2.4123	0.2032	3.5357	6.6354	-0.0114	-2.6394	3.9846
622	84.6	84	0.9178	2.4108	0.2026	3.5312	6.5377	-0.0036	-2.6058	3.9283
623	82.8	83.1	0.9158	2.412	0.2005	3.5284	6.4408	0.0026	-2.5848	3.8587
624	80.6	82	0.9143	2.4115	0.2014	3.5272	6.3723	-0.0152	-2.5669	3.7902
625	79.7	81	0.9112	2.4107	0.2026	3.5245	6.3309	-0.0402	-2.5472	3.7436
626	79.9	80.1	0.9074	2.4112	0.2026	3.5213	6.2729	-0.0582	-2.5253	3.6895
627	80.3	79.2	0.9044	2.4118	0.2028	3.519	6.2086	-0.0628	-2.5236	3.6222
628	79.7	78.2	0.9027	2.4118	0.2026	3.5171	6.1356	-0.0705	-2.5157	3.5493
629	79.5	77.3	0.9001	2.4116	0.2021	3.5138	6.069	-0.0831	-2.4932	3.4927
630	74.5	76.6	0.8985	2.411	0.2023	3.5118	6.5075	-0.0842	-3.0444	3.3789
631	76.1	75.8	0.8946	2.4123	0.203	3.5099	7.9453	-0.0894	-4.6813	3.1746
632	74.5	75	0.8912	2.4113	0.2044	3.5069	7.7897	-0.0891	-4.3667	3.3339
633	73	74.1	0.8874	2.4108	0.2037	3.502	7.6261	-0.0873	-4.2988	3.24
634	72.3	73.3	0.8868	2.4115	0.2021	3.5004	7.4873	-0.093	-4.2501	3.1442
635	74.1	72.6	0.8874	2.4114	0.199	3.4978	7.4124	-0.0936	-4.2353	3.0835
636	72.2	71.9	0.8877	2.4113	0.197	3.496	7.4004	-0.0941	-4.2705	3.0358
637	69.6	71	0.8861	2.4117	0.1938	3.4916	7.4123	-0.1011	-4.356	2.9551
638	69.6	70.2	0.885	2.4122	0.1911	3.4883	7.3514	-0.1029	-4.3477	2.9008
639	69.4	69.4	0.8848	2.412	0.1887	3.4854	7.278	-0.1056	-4.3017	2.8707
640	68.5	68.7	0.8845	2.4115	0.1859	3.4818	7.174	-0.1105	-4.2405	2.823
641	68.1	67.8	0.8834	2.4122	0.183	3.4786	7.0896	-0.108	-4.2135	2.7681
642	66.6	66.9	0.8829	2.413	0.1805	3.4764	7.0402	-0.1099	-4.2134	2.7169
643	65.8	66	0.884	2.4121	0.1797	3.4758	7.0959	-0.1168	-4.3126	2.6665
644	66.6	65.3	0.8825	2.4116	0.1799	3.474	6.9749	-0.1143	-4.2577	2.6028
645	66.1	64.4	0.8792	2.412	0.1802	3.4714	6.8802	-0.1333	-4.1838	2.5631
646	63.5	63.7	0.8759	2.4146	0.1807	3.4712	6.815	-0.138	-4.1662	2.5108
647	63.7	63	0.8713	2.4169	0.1805	3.4687	6.7436	-0.1521	-4.1237	2.4678
648	63.8	62.3	0.8695	2.4175	0.1799	3.4669	6.6701	-0.146	-4.0893	2.4348
649	61.4	61.6	0.8671	2.4171	0.1805	3.4647	6.53	-0.1354	-4.0091	2.3855
650	58.6	60.9	0.8643	2.417	0.1801	3.4614	6.4584	-0.1237	-4.0041	2.3306
651	57.8	60.1	0.8622	2.4173	0.1793	3.4588	6.3724	-0.1162	-3.9639	2.2923
652	57.2	59.4	0.8594	2.4172	0.1788	3.4555	6.3349	-0.117	-3.9694	2.2485
653	57.3	58.8	0.8576	2.4165	0.1789	3.4531	6.4413	-0.113	-4.144	2.1843
654	58	58	0.8567	2.4159	0.1787	3.4513	5.7011	-0.0316	-3.5431	2.1264
655	58.3	57.3	0.8541	2.4154	0.1792	3.4487	4.8796	-0.0036	-2.7966	2.0794
656	56.9	56.6	0.8503	2.416	0.179	3.4453	4.4978	-0.0425	-2.409	2.0463
657	55.9	56	0.8485	2.4155	0.1784	3.4423	4.4734	-0.0614	-2.3943	2.0177

658	56.2	55.3	0.8464	2.4155	0.178	3.44	4.4032	-0.0214	-2.3937	1.9881
659	54.9	54.7	0.843	2.4165	0.1781	3.4375	4.3025	0.0089	-2.34	1.9714
660	53.8	54.2	0.8426	2.4166	0.1761	3.4353	4.2578	0.0112	-2.3507	1.9184
661	52.3	53.7	0.8287	2.4173	0.1747	3.4207	4.2637	0.0099	-2.3764	1.8971
662	54.1	53.2	0.7761	2.4174	0.1952	3.3887	4.1992	0.0047	-2.3469	1.857
663	53.1	52.6	0.7374	2.4173	0.2767	3.4314	4.1197	-0.0037	-2.2904	1.8255
664	51.8	52	0.7061	2.4175	0.3088	3.4324	4.0867	-0.0194	-2.2808	1.7865
665	51	51.3	0.7107	2.4177	0.2985	3.427	4.0784	-0.0266	-2.2995	1.7523
666	50.8	50.6	0.7119	2.4179	0.2955	3.4253	4.0756	-0.0292	-2.2988	1.7476
667	50.6	49.9	0.7137	2.4182	0.2937	3.4256	4.0792	-0.0311	-2.3286	1.7194
668	50.1	49.2	0.72	2.4176	0.2877	3.4253	4.1382	-0.0415	-2.4696	1.6271
669	48.9	48.5	0.7233	2.4174	0.2827	3.4234	4.1907	-0.05	-2.5339	1.6068
670	49.2	47.9	0.7237	2.4173	0.2809	3.4219	4.0784	-0.0516	-2.4661	1.5607
671	47.7	47.4	0.7249	2.4171	0.2777	3.4197	4.0112	-0.0488	-2.3919	1.5704
672	46.5	46.8	0.7263	2.4169	0.2753	3.4185	3.8542	-0.0703	-2.267	1.5169
673	45.4	46.2	0.7263	2.4168	0.2732	3.4163	3.8089	-0.0823	-2.2694	1.4571
674	45.1	45.5	0.7268	2.4168	0.271	3.4146	3.7716	-0.0653	-2.2187	1.4877
675	43.2	45	0.7288	2.4167	0.269	3.4146	3.7449	-0.0675	-2.2069	1.4706
676	43	44.3	0.7287	2.4167	0.2688	3.4142	3.6534	-0.0699	-2.1321	1.4514
677	43.5	43.7	0.7291	2.4168	0.2681	3.414	3.5422	-0.0577	-2.0618	1.4228
678	42	43	0.7296	2.4168	0.2664	3.4128	3.4531	-0.0472	-2.0153	1.3906
679	42.1	42.4	0.6791	2.4164	0.3218	3.4173	3.4115	-0.0428	-1.9904	1.3783
680	42.7	41.7	0.5256	2.4169	0.4856	3.4282	3.3861	-0.0431	-1.9929	1.3501
681	42.1	41.1	0.5342	2.4178	0.454	3.406	3.4409	-0.0515	-2.0597	1.3298
682	41.5	40.6	0.5438	2.4172	0.4469	3.4079	3.4405	-0.041	-2.0879	1.3115
683	39.9	40.1	0.5508	2.4169	0.4421	3.4098	3.3812	-0.0527	-2.0479	1.2805
684	41	39.7	0.5518	2.4166	0.4409	3.4093	3.3165	-0.0601	-2.0317	1.2248
685	38	39.2	0.5476	2.4164	0.4445	3.4085	3.2782	-0.0563	-2.0147	1.2071
686	38.1	38.8	0.5393	2.4166	0.4529	3.4089	3.2548	-0.0634	-1.9911	1.2003
687	37.4	38.3	0.5387	2.4169	0.4518	3.4075	3.2373	-0.0638	-1.9745	1.199
688	36.2	37.9	0.5403	2.4177	0.4471	3.4051	3.2013	-0.0581	-2	1.1432
689	36.5	37.5	0.5449	2.4182	0.4412	3.4043	3.1893	-0.0523	-2.0138	1.1232
690	36	36.9	0.5477	2.4183	0.4384	3.4045	3.1655	-0.0506	-2.0141	1.1008
691	37.6	36.5	0.547	2.4185	0.4382	3.4038	3.1334	-0.053	-2.0019	1.0785
692	36.8	36.1	0.5357	2.419	0.4479	3.4027	3.1086	-0.0469	-2.0041	1.0575
693	36.7	35.7	0.5409	2.4193	0.4423	3.4025	3.0765	-0.0399	-2.0189	1.0177
694	34.3	35.2	0.547	2.4195	0.4351	3.4016	3.0679	-0.0545	-2.0161	0.9973

695	34.1	34.9	0.5477	2.4193	0.4336	3.4006	3.0234	-0.0694	-1.9898	0.9642
696	33.8	34.5	0.5523	2.4193	0.4297	3.4013	2.9614	-0.0723	-1.9524	0.9367
697	35.1	34.2	0.5547	2.4192	0.4264	3.4003	2.9212	-0.0494	-1.9331	0.9387
698	33.8	33.9	0.5629	2.419	0.4185	3.4004	2.8786	-0.0256	-1.9313	0.9216
699	32.9	33.6	0.5629	2.4192	0.418	3.4001	2.8342	-0.0178	-1.9144	0.902
700	33.5	33.3	0.5651	2.419	0.4139	3.3981	2.7828	-0.0197	-1.8677	0.8954
701	33.5	32.9	0.5626	2.419	0.4144	3.396	2.7799	-0.0174	-1.8807	0.8818
702	32.5	32.4	0.5458	2.419	0.4317	3.3965	2.7979	-0.0096	-1.9252	0.8631
703	32.6	32	0.5587	2.4189	0.4182	3.3958	2.7783	-0.0093	-1.9128	0.8562
704	31.1	31.8	0.5523	2.4187	0.4254	3.3965	2.7311	-0.0179	-1.8624	0.8508
705	31.5	31.5	0.5578	2.4191	0.4201	3.3969	2.6455	-0.023	-1.7934	0.8291
706	31.2	31.3	0.5565	2.4194	0.4202	3.3961	2.6263	-0.0301	-1.7825	0.8136
707	31	30.9	0.5557	2.4193	0.4212	3.3962	2.6645	-0.0222	-1.8495	0.7929
708	30.7	30.6	0.5599	2.4192	0.4149	3.394	2.6099	-0.0248	-1.8326	0.7525
709	29.8	30.4	0.5552	2.4191	0.4187	3.393	2.5962	-0.0243	-1.8215	0.7504
710	29.2	30.1	0.5454	2.4189	0.4265	3.3908	2.5712	-0.0137	-1.8235	0.7339
711	28.4	29.8	0.5453	2.4189	0.4272	3.3914	2.6228	-0.0114	-1.8958	0.7156
712	28.8	29.5	0.5502	2.4186	0.4228	3.3916	2.4742	-0.0057	-1.8949	0.5735
713	29.8	29.3	0.5516	2.4186	0.4212	3.3914	1.9286	-0.0074	-1.6626	0.2586
714	29.6	29.1	0.5494	2.4187	0.4229	3.391	1.5272	-0.0105	-0.8226	0.6941
715	28.8	29	0.5453	2.4186	0.4242	3.3881	1.2157	-0.0114	-0.4859	0.7185
716	28.6	28.7	0.5367	2.419	0.4294	3.3851	1.2721	-0.0098	-0.5885	0.6739
717	28.4	28.6	0.5229	2.4193	0.4461	3.3882	1.2849	-0.0056	-0.6267	0.6526
718	27.5	28.4	0.5122	2.4193	0.455	3.3865	1.279	0.0018	-0.6285	0.6523
719	27.8	28.3	0.5178	2.4193	0.4492	3.3863	1.3346	0.0009	-0.6801	0.6554
720	28.1	28.2	0.5206	2.4193	0.4414	3.3813	1.3825	0.0018	-0.7438	0.6406
721	28.2	28.2	0.5347	2.4193	0.4299	3.384	1.3665	0.0017	-0.7305	0.6378
722	28	28.1	0.5369	2.419	0.4295	3.3854	1.4105	-0.0025	-0.7789	0.6291
723	28.2	27.9	0.5386	2.4186	0.4224	3.3796	1.4014	-0.0058	-0.7809	0.6146
724	28.7	27.8	0.5398	2.4183	0.4221	3.3802	1.378	-0.0037	-0.7784	0.5958
725	26.1	27.7	0.5458	2.4177	0.4158	3.3793	1.3801	0	-0.8058	0.5743
726	27.9	27.6	0.5532	2.417	0.4088	3.379	1.4126	-0.0041	-0.8287	0.5797
727	27.9	27.5	0.5591	2.4165	0.4043	3.3799	1.4582	-0.0068	-0.8677	0.5836
728	27.8	27.4	0.5616	2.4161	0.4016	3.3793	1.4734	-0.0064	-0.8679	0.599
729	28	27.4	0.5615	2.4159	0.4014	3.3788	1.4421	-0.0072	-0.8508	0.5842
730	27.8	27.4	0.5544	2.4162	0.4083	3.3788	0.9332	-0.0105	-0.2929	0.6298
731	26.9	27.4	0.5505	2.4164	0.4118	3.3788	-0.5824	-0.0048	1.3273	0.7401

732	26.6	27.3	0.5531	2.4166	0.4092	3.3788	-0.477	0.0043	1.0004	0.5277
733	26.9	27.2	0.5558	2.4168	0.4069	3.3795	-0.3787	-0.0012	0.9329	0.553
734	26.5	27.1	0.5589	2.4171	0.4036	3.3797	-0.268	-0.0022	0.8472	0.5769
735	26.5	27	0.5619	2.4177	0.3981	3.3777	-0.2036	-0.006	0.7781	0.5685
736	26.9	26.9	0.5639	2.4177	0.3944	3.3761	-0.2724	-0.0081	0.8489	0.5683
737	26.7	26.7	0.566	2.4175	0.3938	3.3773	-0.39	-0.0071	0.9734	0.5763
738	28	26.6	0.5661	2.4174	0.3925	3.376	-0.3799	-0.0048	0.9411	0.5565
739	27.7	26.5	0.5683	2.417	0.3901	3.3754	-0.361	0.003	0.8899	0.5319
740	27.2	26.4	0.5712	2.4168	0.386	3.374	-0.3283	0.0071	0.8443	0.5231
741	26.6	26.4	0.5726	2.4169	0.3834	3.3728	-0.3076	0.0056	0.8277	0.5256
742	27.1	26.3	0.5753	2.417	0.3824	3.3746	-0.3209	0.0057	0.8381	0.5228
743	25.6	26.3	0.5772	2.4176	0.3813	3.3761	-0.4419	0.0111	0.938	0.5072
744	24.8	26.3	0.5802	2.4185	0.3788	3.3775	-0.4087	0.0103	0.9083	0.5099
745	25.5	26.3	0.5831	2.4192	0.3754	3.3777	-0.3477	0.0108	0.8518	0.5148
746	25.2	26.2	0.5838	2.4195	0.374	3.3774	-0.3398	0.0073	0.8428	0.5103
747	25.5	26.2	0.5834	2.4195	0.3737	3.3766	-0.2714	0.0077	0.7883	0.5246
748	25.8	26	0.5861	2.4193	0.3713	3.3767	-0.2488	0.0098	0.7642	0.5253
749	26	25.9	0.5888	2.4191	0.3673	3.3752	-0.1528	0.0121	0.6781	0.5373
750	26	25.8	0.5863	2.4187	0.3682	3.3732	-0.1497	0.0169	0.6794	0.5467
751	25.7	25.7	0.5825	2.4183	0.3718	3.3725	-0.1485	0.018	0.6579	0.5274
752	26	25.6	0.5816	2.4182	0.3701	3.3698	-0.1829	0.0196	0.6729	0.5097
753	26.3	25.6	0.5845	2.4183	0.3652	3.368	-0.3522	0.0182	0.8478	0.5138
754	26.5	25.6	0.5922	2.4182	0.3581	3.3684	-0.2	0.0172	0.6941	0.5113
755	26.4	25.5	0.5915	2.4184	0.3574	3.3673	-0.1925	0.0197	0.7021	0.5293
756	25.4	25.5	0.5838	2.4182	0.3639	3.366	-0.1257	0.0244	0.6425	0.5412
757	25.4	25.5	0.5875	2.4179	0.3616	3.3671	-0.1992	0.0288	0.707	0.5367
758	25.3	25.5	0.5868	2.418	0.3602	3.3649	-0.2403	0.0319	0.7526	0.5442
759	25.2	25.4	0.5858	2.4179	0.3604	3.3641	-0.2006	0.0322	0.6982	0.5298
760	25.5	25.3	0.5804	2.4177	0.3657	3.3638	-0.2347	0.0305	0.7279	0.5237
761	25.4	25.3	0.5813	2.4179	0.3642	3.3633	-0.3228	0.0264	0.8019	0.5055
762	25.2	25.2	0.5832	2.4181	0.3615	3.3629	-0.3221	0.0225	0.8117	0.512
763	24.4	25.2	0.5847	2.4184	0.3589	3.362	-0.263	0.0185	0.7691	0.5246
764	24.1	25.1	0.5846	2.4186	0.3574	3.3606	-0.2469	0.0196	0.7598	0.5325
765	24.8	25.1	0.5835	2.4187	0.3574	3.3596	-0.2717	0.0206	0.778	0.5269
766	25.3	25.1	0.5834	2.4185	0.3581	3.36	-0.3115	0.0214	0.7895	0.4994
767	24.8	25.1	0.5858	2.418	0.3566	3.3604	-0.3857	0.0241	0.843	0.4815
768	24.3	25.1	0.5865	2.4175	0.3557	3.3598	-0.4979	0.025	0.9972	0.5243

769	24.8	25.1	0.585	2.4172	0.3571	3.3593	-0.5703	0.025	1.0544	0.5091
770	25.2	25.1	0.5871	2.4171	0.3539	3.3581	-0.4906	0.0255	0.975	0.5098
771	25.2	25.1	0.5838	2.4174	0.3556	3.3568	-0.487	0.025	0.929	0.4671
772	25.5	25.2	0.5862	2.4174	0.3534	3.357	-0.383	0.0249	0.8576	0.4995
773	25.2	25.2	0.5885	2.4172	0.351	3.3567	-0.3681	0.0229	0.8669	0.5217
774	25.4	25.3	0.5888	2.4168	0.3515	3.3572	-0.3571	0.0181	0.8116	0.4727
775	25.4	25.3	0.5876	2.4171	0.3519	3.3566	-0.3573	0.0143	0.8287	0.4857
776	25.6	25.3	0.5829	2.4174	0.3556	3.3558	-0.2959	0.0074	0.7702	0.4817
777	24.9	25.3	0.5817	2.4174	0.3549	3.354	-0.2268	0.0014	0.7054	0.48
778	25.8	25.3	0.5854	2.4175	0.3515	3.3544	-0.1771	-0.0022	0.6667	0.4875
779	26.2	25.3	0.5857	2.4175	0.3511	3.3543	-0.1568	-0.008	0.6439	0.4791
780	25.3	25.4	0.5838	2.4174	0.3529	3.3542	-0.1578	-0.0121	0.6459	0.476
781	25.7	25.4	0.5819	2.4174	0.3539	3.3532	-0.2257	-0.0108	0.7178	0.4813
782	25.5	25.5	0.5817	2.4173	0.3537	3.3526	-0.2698	-0.0084	0.7683	0.4901
783	25.3	25.6	0.5776	2.4171	0.3574	3.3521	-0.222	-0.0073	0.7299	0.5007
784	25.3	25.6	0.5722	2.4172	0.3631	3.3524	-0.1811	-0.0058	0.7021	0.5152
785	24.8	25.7	0.5748	2.4173	0.3597	3.3517	-0.1823	-0.0033	0.7066	0.521
786	24.5	25.6	0.5783	2.4173	0.3556	3.3512	-0.1932	0.004	0.698	0.5088
787	24.9	25.6	0.5767	2.4174	0.3577	3.3518	-0.164	0.0034	0.6629	0.5023
788	25.4	25.6	0.5764	2.4174	0.3581	3.3519	-0.1337	0.001	0.6563	0.5236
789	25.7	25.5	0.5777	2.4175	0.3568	3.352	-0.1366	0.0008	0.6494	0.5136
790	26.3	25.6	0.5785	2.4178	0.3557	3.3519	-0.0737	-0.0009	0.5876	0.513
791	26.5	25.6	0.5791	2.418	0.3544	3.3515	0.035	-0.0025	0.4748	0.5074
792	27	25.6	0.5799	2.4179	0.3541	3.352	0.0382	-0.0022	0.4664	0.5024
793	26.6	25.6	0.5818	2.4183	0.3515	3.3515	0.0508	-0.0019	0.4614	0.5103
794	26.1	25.6	0.5818	2.4184	0.3499	3.3501	0.0736	0.0036	0.4454	0.5227
795	25.3	25.6	0.5817	2.4186	0.3493	3.3496	0.1125	0.0117	0.4153	0.5396
796	24.5	25.7	0.5795	2.4185	0.3508	3.3488	0.1676	0.0199	0.3679	0.5554
797	24.8	25.7	0.5796	2.4182	0.35	3.3478	0.1854	0.0251	0.348	0.5585
798	25.7	25.7	0.5782	2.4178	0.3507	3.3466	0.1878	0.0277	0.3336	0.5491
799	26.4	25.6	0.5778	2.4175	0.3501	3.3454	0.215	0.0283	0.3041	0.5474
800	25.5	25.6	0.58	2.4172	0.3481	3.3453	0.2463	0.0264	0.2558	0.5286
801	25	25.5	0.5809	2.417	0.3471	3.3451	0.2333	0.0218	0.2534	0.5086
802	25.4	25.4	0.581	2.4172	0.3469	3.3451	0.1806	0.0178	0.2966	0.495
803	25.6	25.3	0.5787	2.4172	0.3488	3.3447	0.1597	0.0131	0.2912	0.464
804	25.7	25.2	0.5716	2.4167	0.3552	3.3435	0.1744	0.0135	0.2633	0.4512
805	25.6	25.1	0.5703	2.4166	0.3559	3.3428	0.2455	0.0145	0.1976	0.4576

806	25.2	25.1	0.5764	2.4165	0.3495	3.3424	0.2518	0.0137	0.1831	0.4486
807	25	25	0.5797	2.4161	0.3459	3.3418	0.1785	0.0119	0.2502	0.4405
808	24.9	24.9	0.58	2.416	0.3451	3.341	0.2217	0.0122	0.2267	0.4605
809	24.6	24.8	0.5787	2.416	0.3459	3.3406	0.2256	0.0172	0.21	0.4528
810	24.6	24.8	0.5777	2.4162	0.3464	3.3403	0.2195	0.0212	0.2032	0.4438
811	25.2	24.7	0.5775	2.4166	0.3461	3.3402	0.1724	0.0217	0.2675	0.4616
812	25.1	24.6	0.5765	2.4167	0.3459	3.3392	0.2027	0.0197	0.2516	0.4739
813	24.7	24.6	0.5763	2.4167	0.3452	3.3382	0.2458	0.017	0.2171	0.4799
814	24.3	24.5	0.5766	2.4166	0.3451	3.3383	0.2623	0.0195	0.1979	0.4797
815	23.8	24.4	0.5764	2.4165	0.3453	3.3382	0.2641	0.0256	0.2039	0.4936
816	23.5	24.3	0.5753	2.4166	0.3451	3.337	0.2674	0.03	0.1885	0.4858
817	23.6	24.1	0.5727	2.4168	0.3463	3.3358	0.279	0.0321	0.171	0.4822
818	24.2	24	0.5692	2.4168	0.3496	3.3356	0.2613	0.0231	0.1866	0.471
819	24.4	23.9	0.5669	2.4168	0.3517	3.3353	0.2615	0.0211	0.1876	0.4702
820	24.1	23.8	0.5693	2.4168	0.3485	3.3346	0.2907	0.0127	0.1503	0.4537
821	24.1	23.7	0.573	2.4168	0.3442	3.334	0.2916	0.0039	0.1319	0.4274
822	24.3	23.6	0.5737	2.4167	0.3428	3.3333	0.282	0.0036	0.1399	0.4255
823	24	23.6	0.5744	2.4168	0.3412	3.3323	0.2579	0.0045	0.1651	0.4275
824	23.6	23.6	0.5755	2.4168	0.3392	3.3316	0.2476	-0.0025	0.1864	0.4315
825	23.1	23.6	0.5754	2.417	0.3387	3.3312	0.2647	-0.0075	0.1781	0.4353
826	22.6	23.6	0.5759	2.4169	0.3383	3.331	0.2521	-0.0024	0.1857	0.4354
827	22.4	23.6	0.5768	2.4167	0.3376	3.3312	0.2014	0.0025	0.228	0.4319
828	22.4	23.6	0.5773	2.4169	0.3372	3.3314	0.225	0.0022	0.1818	0.409
829	23.1	23.5	0.5773	2.4171	0.3368	3.3312	0.2725	0.0028	0.1564	0.4317
830	23.3	23.6	0.577	2.4173	0.3365	3.3307	0.2557	0.0037	0.1758	0.4353
831	23.4	23.5	0.5775	2.4172	0.335	3.3297	0.2199	0.0011	0.2145	0.4355
832	24	23.5	0.5753	2.4173	0.3362	3.3288	0.203	0.0007	0.2267	0.4304
833	24.3	23.6	0.5739	2.4174	0.3367	3.328	0.2079	0.0004	0.2253	0.4336
834	24.3	23.6	0.5772	2.4175	0.3329	3.3276	0.1737	-0.0019	0.2667	0.4385
835	24	23.7	0.5813	2.4173	0.3283	3.3269	0.1412	-0.0018	0.3112	0.4506
836	23.1	23.8	0.5803	2.4173	0.3281	3.3258	0.1847	-0.0005	0.2725	0.4567
837	22.9	24	0.5794	2.4174	0.3281	3.3249	0.2218	0	0.241	0.4627
838	24.1	24.1	0.5798	2.4173	0.3275	3.3246	0.2084	-0.0012	0.2746	0.4818
839	24.4	24.2	0.5756	2.4171	0.3313	3.3241	0.2128	-0.003	0.286	0.4959
840	23.8	24.3	0.5677	2.417	0.3386	3.3233	0.2331	-0.0019	0.2643	0.4955
841	24.2	24.4	0.5688	2.4171	0.3368	3.3226	0.2612	0.0008	0.2391	0.501
842	24.5	24.4	0.5702	2.4172	0.3362	3.3236	0.3071	0.0027	0.1887	0.4984

843	24.4	24.4	0.5699	2.4172	0.3367	3.3238	0.316	0.0013	0.2041	0.5214
844	25	24.5	0.5689	2.4174	0.3373	3.3236	0.2898	0.005	0.2195	0.5143
845	25.3	24.5	0.5663	2.4172	0.3386	3.3222	0.2773	0.008	0.2179	0.5032
846	25.3	24.6	0.5653	2.417	0.3392	3.3215	0.2839	0.0107	0.2021	0.4967
847	25.1	24.7	0.5646	2.4167	0.3403	3.3217	0.2794	0.0103	0.2021	0.4917
848	25	24.8	0.5646	2.4165	0.3409	3.322	0.2722	0.0099	0.2057	0.4878
849	25.1	24.8	0.5642	2.4165	0.3417	3.3223	0.2725	0.0091	0.1998	0.4814
850	24.6	24.8	0.563	2.4165	0.3428	3.3224	0.2075	0.0059	0.2476	0.461
851	24.4	24.8	0.5644	2.4165	0.3421	3.323	0.238	-0.0033	0.2347	0.4694
852	24.4	24.8	0.5656	2.4168	0.341	3.3234	0.2502	-0.0074	0.224	0.4667
853	24.8	24.8	0.5671	2.4169	0.3388	3.3229	0.2512	-0.009	0.2266	0.4689
854	24.3	24.8	0.5676	2.4168	0.3383	3.3227	0.1951	-0.011	0.2719	0.456
855	24.9	24.8	0.5663	2.417	0.3391	3.3225	0.1254	-0.0156	0.3334	0.4433
856	25.4	24.8	0.566	2.417	0.3389	3.3219	0.0929	-0.0168	0.3627	0.4388
857	25.2	24.8	0.5653	2.4167	0.339	3.321	0.1493	-0.0206	0.3149	0.4436
858	24.6	24.8	0.5642	2.4163	0.3392	3.3197	0.1883	-0.0207	0.2777	0.4454
859	24.4	24.8	0.5639	2.4157	0.3401	3.3197	0.2095	-0.0194	0.2563	0.4464
860	24.7	24.8	0.5631	2.4156	0.339	3.3176	0.2082	-0.02	0.261	0.4493
861	24.6	24.7	0.561	2.4159	0.339	3.3159	0.2009	-0.0185	0.2685	0.4509
862	23.9	24.8	0.5587	2.4164	0.3398	3.3149	0.2	-0.0136	0.2651	0.4515
863	25.4	24.7	0.5585	2.4164	0.3391	3.314	0.1849	-0.0115	0.2698	0.4432
864	25.1	24.7	0.5582	2.416	0.337	3.3112	0.179	-0.0125	0.2777	0.4442
865	25	24.6	0.5568	2.4157	0.3386	3.311	0.1837	-0.013	0.2735	0.4442
866	24.9	24.6	0.5555	2.4153	0.341	3.3118	0.199	-0.0131	0.261	0.4468
867	25.1	24.5	0.5597	2.4157	0.3379	3.3133	0.1933	-0.0113	0.2538	0.4358
868	25.4	24.5	0.5604	2.4154	0.337	3.3128	0.1605	-0.0106	0.2775	0.4274
869	24.3	24.5	0.556	2.4159	0.3421	3.3139	0.1211	-0.0102	0.3219	0.4328
870	23.5	24.5	0.5579	2.4167	0.3407	3.3154	0.1005	-0.0082	0.3452	0.4376
871	25.1	24.4	0.5556	2.417	0.3416	3.3142	0.1295	-0.0078	0.3169	0.4387
872	24	24.4	0.5604	2.417	0.3369	3.3143	0.1661	-0.0079	0.2778	0.436
873	23.7	24.3	0.5638	2.4175	0.3324	3.3136	0.1743	-0.0059	0.2656	0.434
874	23.9	24.2	0.5624	2.4176	0.3337	3.3137	0.2168	-0.007	0.2231	0.4329
875	24	24.1	0.5623	2.4174	0.3333	3.313	0.2558	-0.0072	0.1742	0.4228
876	23.4	24.1	0.5627	2.4171	0.3328	3.3127	0.2347	-0.0056	0.1856	0.4148
877	24.7	24	0.5592	2.4172	0.3367	3.3131	0.2237	-0.0078	0.1993	0.4152
878	25.1	23.9	0.5581	2.4172	0.3359	3.3112	0.2444	-0.0096	0.1926	0.4274
879	24.1	23.8	0.5602	2.4171	0.3335	3.3108	0.2675	-0.0077	0.1853	0.4451

880	23.5	23.8	0.5619	2.4173	0.3314	3.3106	0.2859	-0.0049	0.174	0.455
881	23.5	23.7	0.5616	2.4173	0.3313	3.3101	0.3021	-0.002	0.1676	0.4678
882	23.3	23.7	0.5609	2.4172	0.3311	3.3093	0.3217	0.0011	0.1516	0.4744
883	23.7	23.7	0.5603	2.4173	0.3307	3.3083	0.2819	0.0032	0.1787	0.4638
884	23.8	23.7	0.5581	2.4173	0.332	3.3074	0.2522	0.004	0.2048	0.461
885	23.6	23.6	0.5563	2.4173	0.3324	3.306	0.3139	0.0054	0.1551	0.4744
886	23.3	23.6	0.5561	2.4173	0.3315	3.305	0.3698	0.0028	0.1062	0.4788
887	23.3	23.5	0.5559	2.4175	0.3303	3.3037	0.3695	0.0023	0.0864	0.4583
888	23.5	23.4	0.5551	2.4177	0.3295	3.3024	0.3827	0.0023	0.0706	0.4556
889	23.4	23.3	0.5544	2.4177	0.3304	3.3025	0.4099	-0.0028	0.0376	0.4447
890	23.7	23.3	0.5524	2.4177	0.3318	3.3018	0.3361	-0.0057	0.1209	0.4513
891	23.8	23.3	0.5484	2.4177	0.3355	3.3017	0.2524	-0.007	0.2098	0.4552
892	23	23.1	0.5483	2.4178	0.3337	3.2998	0.2745	-0.0054	0.1758	0.4449
893	23.1	23.1	0.5528	2.4178	0.3295	3.3001	0.2966	-0.006	0.1665	0.4572
894	23.2	23.1	0.5541	2.4176	0.3281	3.2998	0.301	-0.0075	0.1736	0.4671
895	23.4	23.1	0.5533	2.4175	0.3291	3.2999	0.2995	-0.005	0.173	0.4675
896	22.8	23.1	0.5515	2.4175	0.3306	3.2997	0.2581	-0.0063	0.198	0.4497
897	22.7	23.1	0.5524	2.4172	0.3294	3.299	0.2513	-0.0114	0.2051	0.4451
898	22.9	23.1	0.5509	2.4169	0.3307	3.2985	0.2428	-0.0152	0.2211	0.4486
899	23	23.1	0.5571	2.4169	0.3253	3.2993	0.24	-0.0167	0.2291	0.4524
900	22.8	23	0.5562	2.4175	0.3247	3.2984	0.2415	-0.0142	0.2376	0.4649
901	21	23	0.5559	2.4178	0.3247	3.2984	0.2297	-0.0105	0.2512	0.4705
902	22.9	23	0.5559	2.4181	0.3242	3.2982	0.242	-0.0104	0.248	0.4796
903	23	23	0.5592	2.4183	0.3216	3.2991	0.252	-0.0085	0.2433	0.4868
904	23.5	23	0.5591	2.4183	0.3218	3.2992	0.2616	-0.0092	0.2264	0.4788
905	24	23	0.561	2.4183	0.3196	3.2989	0.2636	-0.012	0.222	0.4736
906	23.8	23.1	0.5615	2.4185	0.318	3.2981	0.2635	-0.0111	0.2159	0.4683
907	23.5	23.1	0.5609	2.4182	0.3182	3.2973	0.276	-0.0114	0.1956	0.4602
908	23	23.1	0.559	2.4179	0.3195	3.2964	0.2673	-0.0131	0.1988	0.4531
909	22.4	23.1	0.5579	2.418	0.3198	3.2957	0.258	-0.0143	0.2059	0.4496
910	22.3	23.2	0.5576	2.4181	0.3195	3.2952	0.2495	-0.0173	0.2276	0.4598
911	22.9	23.3	0.5575	2.418	0.3196	3.295	0.2432	-0.022	0.2184	0.4396
912	23.6	23.3	0.558	2.4179	0.3189	3.2949	0.2474	-0.0206	0.2168	0.4436
913	23.2	23.4	0.5584	2.4179	0.3174	3.2937	0.2342	-0.0145	0.2168	0.4365
914	24.3	23.4	0.5582	2.4179	0.3177	3.2939	0.2293	-0.0118	0.2171	0.4346
915	23.5	23.3	0.5565	2.4178	0.3192	3.2935	0.2444	-0.0165	0.1824	0.4102
916	23.3	23.2	0.556	2.4177	0.3197	3.2934	0.2388	-0.02	0.1819	0.4008

917	23.3	23.2	0.5566	2.4179	0.3186	3.2931	0.2193	-0.0245	0.2147	0.4095
918	23	23.1	0.5571	2.4178	0.3174	3.2923	0.2504	-0.0163	0.2091	0.4432
919	23.4	23.2	0.5568	2.4176	0.3172	3.2916	0.2699	-0.0199	0.1893	0.4392
920	23.6	23.2	0.5563	2.4176	0.3168	3.2907	0.2257	-0.0145	0.2507	0.4619
921	24	23.2	0.5564	2.4176	0.3164	3.2904	0.2331	-0.0059	0.2578	0.485
922	23.7	23.2	0.5563	2.4173	0.3162	3.2899	0.1896	-0.0031	0.2807	0.4672
923	22.9	23.2	0.5527	2.4175	0.3189	3.289	0.229	-0.0035	0.2371	0.4625
924	23.1	23.1	0.55	2.4175	0.3218	3.2893	0.2749	0.0025	0.176	0.4533
925	22.3	23	0.552	2.4176	0.3202	3.2897	0.2616	0.0068	0.1879	0.4562
926	22.3	22.9	0.5535	2.4177	0.3183	3.2895	0.217	0.0042	0.2231	0.4442
927	22.7	22.9	0.5524	2.4177	0.3184	3.2884	0.1793	-0.0001	0.2541	0.4333
928	22.6	22.8	0.5505	2.4177	0.3187	3.2869	0.1504	0.0011	0.2998	0.4513
929	23	22.8	0.5487	2.4176	0.3194	3.2857	0.1385	0.0026	0.2974	0.4385
930	23.2	22.7	0.5467	2.4175	0.3197	3.2839	0.1565	0.0013	0.2783	0.4361
931	22.8	22.7	0.5453	2.4171	0.3198	3.2823	0.1823	0.0032	0.2527	0.4382
932	23.1	22.6	0.5471	2.417	0.3183	3.2824	0.1839	0.0037	0.2517	0.4393
933	22.9	22.5	0.5486	2.417	0.3162	3.2819	0.1899	-0.0002	0.2464	0.436
934	21.8	22.5	0.5458	2.4169	0.3174	3.2801	0.1974	-0.0067	0.2413	0.432
935	21.8	22.5	0.5443	2.417	0.3177	3.279	0.1877	-0.0094	0.2452	0.4236
936	22.2	22.4	0.5434	2.4171	0.3195	3.28	0.1671	-0.0072	0.2497	0.4095
937	22.5	22.4	0.5411	2.4172	0.3211	3.2793	0.1616	-0.0067	0.246	0.401
938	22.2	22.4	0.5388	2.4176	0.3238	3.2801	0.1605	-0.0052	0.2377	0.393
939	22.2	22.3	0.542	2.4177	0.3192	3.2789	0.156	0.0008	0.2344	0.3912
940	23.1	22.3	0.5425	2.4177	0.3176	3.2777	0.16	0.0056	0.235	0.4006
941	21.9	22.3	0.5413	2.4176	0.3192	3.2781	0.1488	0.0087	0.2357	0.3932
942	22.6	22.3	0.5405	2.4178	0.3196	3.2779	0.1115	0.0067	0.2742	0.3924
943	22.4	22.4	0.5398	2.418	0.3194	3.2771	0.1184	0.0033	0.2545	0.3763
944	21.9	22.4	0.539	2.4179	0.32	3.2768	0.1543	0.0007	0.2239	0.3788
945	21.6	22.4	0.5405	2.4179	0.3188	3.2772	0.1737	-0.0028	0.2046	0.3755
946	21.7	22.5	0.5401	2.4182	0.3187	3.277	0.1718	-0.0068	0.2098	0.3748
947	22.1	22.5	0.5404	2.4182	0.3182	3.2768	0.1646	-0.0049	0.2213	0.381
948	22.2	22.5	0.5406	2.4181	0.318	3.2767	0.1607	-0.0059	0.2295	0.3843
949	23	22.5	0.54	2.4179	0.318	3.2758	0.154	-0.008	0.2367	0.3828
950	23.3	22.5	0.54	2.4176	0.3177	3.2753	0.2308	-0.008	0.18	0.4029
951	23.2	22.6	0.5402	2.4175	0.3173	3.2751	0.2437	-0.0054	0.1471	0.3854
952	23.3	22.6	0.5404	2.4177	0.3167	3.2747	0.244	-0.0067	0.1539	0.3911
953	22.5	22.5	0.5409	2.4178	0.3162	3.275	0.2422	-0.0025	0.1592	0.399

954	22.3	22.6	0.5412	2.418	0.3161	3.2753	0.2855	-0.001	0.1471	0.4315
955	22.9	22.6	0.54	2.4181	0.3175	3.2756	0.2897	0.0028	0.1531	0.4456
956	22.5	22.7	0.5384	2.4182	0.3194	3.2759	0.3003	0.0047	0.1445	0.4495
957	22.5	22.7	0.5386	2.418	0.3191	3.2757	0.2956	0.0097	0.1354	0.4407
958	22.7	22.7	0.5384	2.4177	0.3186	3.2747	0.2815	0.01	0.1377	0.4291
959	23	22.6	0.5389	2.4175	0.3173	3.2737	0.2522	0.0102	0.1602	0.4226
960	23.2	22.6	0.5388	2.4178	0.3171	3.2737	0.2496	0.0113	0.1611	0.422
961	22.4	22.6	0.5362	2.418	0.3173	3.2716	0.2919	0.0111	0.1166	0.4197
962	22.2	22.5	0.5352	2.4179	0.3181	3.2712	0.3166	0.0112	0.092	0.4198
963	22.6	22.5	0.5356	2.4176	0.3174	3.2706	0.2742	0.0083	0.1239	0.4064
964	21.6	22.5	0.5337	2.4177	0.3188	3.2702	0.276	0.01	0.1139	0.3999
965	23.2	22.5	0.5329	2.4177	0.3204	3.2709	0.2748	0.0099	0.1144	0.3991
966	22.6	22.4	0.5336	2.4177	0.3196	3.2708	0.243	0.0061	0.157	0.4061
967	21.6	22.4	0.5346	2.4173	0.317	3.2689	0.2364	0.0041	0.1723	0.4128
968	22.2	22.4	0.5334	2.4174	0.318	3.2688	0.2343	-0.0004	0.1659	0.3998
969	22.7	22.4	0.5334	2.4174	0.317	3.2678	0.246	-0.0018	0.1548	0.3991
970	22.6	22.4	0.5346	2.4173	0.315	3.2669	0.2331	-0.0053	0.1738	0.4016
971	21.9	22.4	0.5367	2.4173	0.3135	3.2675	0.2207	-0.0033	0.1722	0.3896
972	22.2	22.4	0.5375	2.4174	0.3132	3.268	0.2173	-0.0078	0.1767	0.3863
973	22.5	22.4	0.5363	2.4172	0.3148	3.2682	0.2169	-0.0098	0.1808	0.3879
974	22.4	22.4	0.5362	2.4169	0.3149	3.2681	0.1798	-0.0093	0.2124	0.3829
975	22.1	22.4	0.5407	2.4169	0.311	3.2686	0.1561	-0.0086	0.2396	0.387
976	21.9	22.3	0.5448	2.4171	0.3074	3.2693	0.1854	-0.0093	0.2202	0.3963
977	22.3	22.3	0.5442	2.4171	0.3068	3.268	0.208	-0.0067	0.1858	0.387
978	22.5	22.3	0.5443	2.4169	0.3061	3.2674	0.1678	-0.0043	0.2177	0.3812
979	23.1	22.2	0.5445	2.417	0.3057	3.2672	0.162	-0.0037	0.2123	0.3706
980	23.1	22.2	0.5436	2.417	0.3062	3.2668	0.1641	-0.0024	0.2106	0.3723
981	23	22.3	0.5432	2.417	0.3061	3.2662	0.1453	-0.0034	0.2123	0.3542
982	22.4	22.3	0.5419	2.4173	0.3065	3.2656	0.1435	-0.0098	0.1995	0.3332
983	22	22.3	0.5405	2.418	0.3066	3.2651	0.154	-0.0122	0.1948	0.3366
984	22	22.3	0.5393	2.4183	0.3074	3.265	0.1542	-0.0133	0.1911	0.332
985	21.6	22.4	0.5396	2.418	0.3074	3.2651	0.1285	-0.0169	0.21	0.3216
986	21.5	22.4	0.54	2.418	0.3069	3.2649	0.1291	-0.0175	0.2077	0.3193
987	21.8	22.4	0.5398	2.418	0.3065	3.2644	0.1177	-0.0192	0.2377	0.3362
988	21.7	22.5	0.5395	2.4176	0.3061	3.2632	0.0997	-0.02	0.2538	0.3335
989	22.1	22.5	0.5384	2.4171	0.3069	3.2624	0.0753	-0.0196	0.2881	0.3438
990	22.7	22.5	0.5375	2.4168	0.3082	3.2625	0.1171	-0.0221	0.24	0.3351

991	22.9	22.5	0.5373	2.417	0.3081	3.2624	0.1253	-0.0203	0.2214	0.3263
992	23.3	22.5	0.5365	2.4175	0.3082	3.2622	0.0992	-0.0159	0.2517	0.3351
993	22.5	22.6	0.5373	2.4177	0.3071	3.2622	0.0889	-0.0079	0.2609	0.3419
994	22.4	22.6	0.5367	2.4179	0.3077	3.2623	0.0794	-0.0041	0.2653	0.3406
995	22.5	22.7	0.5361	2.4182	0.3081	3.2624	0.0694	-0.006	0.2829	0.3463
996	23.5	22.7	0.5351	2.418	0.3085	3.2616	0.0863	-0.007	0.2767	0.356
997	23.5	22.7	0.5363	2.4178	0.3065	3.2606	0.0945	-0.0032	0.2704	0.3618
998	22.8	22.7	0.5355	2.4177	0.307	3.2602	0.0967	-0.0023	0.2719	0.3663
999	22.7	22.7	0.534	2.4177	0.3073	3.259	0.0879	-0.0036	0.2885	0.3728
1000	23.5	22.7	0.5318	2.4181	0.31	3.2599	0.0788	-0.009	0.2899	0.3597
1001	23.4	22.6	0.5315	2.4185	0.3093	3.2593	0.0804	-0.009	0.281	0.3524
1002	23	22.6	0.5317	2.4183	0.3083	3.2583	0.0691	-0.0102	0.293	0.3519
1003	22.3	22.5	0.5307	2.4184	0.3069	3.2559	0.0652	-0.012	0.2956	0.3488
1004	22.7	22.5	0.5301	2.418	0.3065	3.2546	0.0702	-0.0109	0.2946	0.3539
1005	22.6	22.5	0.531	2.4178	0.3051	3.254	0.0755	-0.0086	0.2917	0.3586
1006	22.1	22.4	0.5319	2.4176	0.3045	3.254	0.0546	-0.0049	0.3169	0.3666
1007	21.6	22.4	0.5328	2.4172	0.3044	3.2544	0.0404	-0.0028	0.3461	0.3837
1008	21.8	22.3	0.5338	2.4169	0.3034	3.2542	0.025	-0.0024	0.3693	0.3919
1009	22.2	22.3	0.5329	2.4169	0.3037	3.2535	-0.0105	-0.0048	0.4061	0.3908
1010	21.9	22.3	0.5284	2.417	0.3078	3.2532	0.0086	-0.0087	0.3975	0.3974
1011	22	22.3	0.5258	2.4169	0.3104	3.253	0.0516	-0.0055	0.3613	0.4075
1012	21.4	22.2	0.5306	2.4171	0.3065	3.2542	0.0777	0.0005	0.3219	0.4001
1013	21.9	22.2	0.5308	2.4169	0.306	3.2537	0.0931	0.0029	0.2931	0.3891
1014	22	22.2	0.5308	2.4169	0.3063	3.254	0.1225	0.0051	0.2714	0.399
1015	22.3	22.2	0.5322	2.4172	0.3035	3.2529	0.1015	0.0107	0.2895	0.4017
1016	23	22.1	0.5323	2.4173	0.3025	3.2521	0.0793	0.0083	0.3155	0.403
1017	22	22.1	0.5332	2.4179	0.302	3.2531	0.0896	0.0055	0.307	0.4021
1018	22.5	22	0.5325	2.418	0.3019	3.2524	0.1046	-0.0005	0.2704	0.3744
1019	22.8	21.9	0.5335	2.4181	0.2998	3.2514	0.0651	-0.0037	0.3061	0.3675
1020	22.7	21.9	0.5343	2.4179	0.2996	3.2518	0.0372	-0.0099	0.3267	0.354
1021	22.9	21.9	0.5347	2.4184	0.2987	3.2518	0.0205	-0.0134	0.3361	0.3432
1022	22.2	21.9	0.5346	2.4183	0.2982	3.2511	0.0435	-0.0147	0.3236	0.3524
1023	22.3	21.9	0.5347	2.4184	0.2977	3.2507	0.0637	-0.0138	0.3089	0.3588
1024	21.9	21.9	0.5344	2.4184	0.2979	3.2506	0.0575	-0.0144	0.321	0.3641
1025	21.2	21.8	0.5334	2.4185	0.2982	3.2501	0.0668	-0.0163	0.3224	0.3729
1026	20.4	21.8	0.5327	2.4183	0.2998	3.2508	0.1206	-0.0151	0.2875	0.3929
1027	20.8	21.7	0.5356	2.4181	0.2966	3.2503	0.1694	-0.0116	0.2572	0.4151

1028	20.9	21.7	0.5343	2.418	0.2975	3.2498	0.1715	-0.0095	0.2527	0.4147
1029	21.1	21.7	0.5323	2.4178	0.2984	3.2485	0.183	-0.0052	0.2417	0.4195
1030	21.4	21.6	0.5322	2.4178	0.2985	3.2485	0.1927	0.0012	0.2342	0.4281
1031	21.8	21.6	0.531	2.4181	0.2999	3.249	0.183	0.0033	0.2387	0.4251
1032	21.9	21.5	0.5317	2.4182	0.2988	3.2487	0.1871	0.0047	0.2286	0.4204
1033	22.3	21.5	0.5332	2.4184	0.2971	3.2487	0.1833	0.009	0.2346	0.427
1034	21	21.4	0.5329	2.4186	0.2964	3.248	0.1761	0.0121	0.2373	0.4256
1035	21.4	21.4	0.5314	2.4188	0.2969	3.247	0.184	0.0128	0.232	0.4288
1036	21.7	21.4	0.5316	2.419	0.2957	3.2464	0.1929	0.0086	0.2349	0.4364
1037	21.8	21.5	0.5311	2.4192	0.2957	3.246	0.1718	0.0028	0.2681	0.4427
1038	21.9	21.5	0.5312	2.4196	0.295	3.2458	0.1706	0.0012	0.2786	0.4504
1039	21.7	21.6	0.5303	2.4199	0.2952	3.2454	0.1694	-0.0057	0.2718	0.4354
1040	22.1	21.6	0.5299	2.4197	0.2954	3.2451	0.1486	-0.0077	0.295	0.4359
1041	21.6	21.5	0.5314	2.4192	0.294	3.2446	0.1477	-0.0099	0.3032	0.441
1042	20.9	21.5	0.5316	2.4185	0.2935	3.2437	0.1479	-0.0092	0.2994	0.4381
1043	20.5	21.4	0.5318	2.4184	0.2928	3.243	0.1385	-0.0039	0.294	0.4286
1044	21.2	21.4	0.532	2.4185	0.2917	3.2422	0.1471	-0.004	0.283	0.426
1045	21.3	21.4	0.5319	2.4186	0.2912	3.2416	0.1292	-0.0018	0.2999	0.4272
1046	21.4	21.4	0.5307	2.4185	0.2917	3.2408	0.108	0.0034	0.3178	0.4291
1047	22	21.3	0.5307	2.4185	0.291	3.2402	0.0923	0.0023	0.3162	0.4108
1048	21.6	21.2	0.5318	2.4185	0.2892	3.2395	0.1203	0.0018	0.2733	0.3954
1049	21.7	21.2	0.5321	2.4188	0.289	3.2399	0.1182	0.0012	0.2798	0.3992
1050	21	21.1	0.532	2.4185	0.2896	3.2401	0.0829	-0.0013	0.305	0.3865
1051	21	21.1	0.5333	2.4186	0.288	3.2399	0.057	-0.0005	0.332	0.3885
1052	21	21.1	0.5339	2.4189	0.2871	3.2399	0.065	0.0029	0.3264	0.3943
1053	21.2	21.1	0.5339	2.4189	0.2867	3.2396	0.0784	0.0036	0.3158	0.3979
1054	21.5	21.1	0.5337	2.4188	0.2869	3.2395	0.0464	0.0078	0.3262	0.3804
1055	20.5	21.1	0.5345	2.4186	0.2858	3.239	0.0381	0.0032	0.3261	0.3674
1056	20.2	21	0.5343	2.4184	0.2847	3.2375	0.0462	0.0041	0.3153	0.3656
1057	20.7	20.9	0.5361	2.4183	0.2821	3.2365	0.0389	0.005	0.3288	0.3727
1058	20.8	20.8	0.5395	2.4182	0.278	3.2356	0.0504	0.0079	0.3327	0.3911
1059	21.1	20.7	0.5381	2.4183	0.2776	3.234	0.0643	0.0134	0.3266	0.4043
1060	21.4	20.7	0.5336	2.4183	0.281	3.2329	0.0521	0.0222	0.3369	0.4112
1061	21.1	20.6	0.5285	2.4179	0.2851	3.2316	0.0014	0.0241	0.3839	0.4094
1062	20.7	20.6	0.5259	2.4176	0.2888	3.2323	-0.0185	0.0233	0.4042	0.409
1063	21	20.6	0.5233	2.4171	0.2903	3.2307	0.0436	0.0238	0.3528	0.4203
1064	20.4	20.6	0.5236	2.4166	0.2898	3.23	0.0335	0.0198	0.358	0.4113

1065	20.1	20.6	0.5249	2.4169	0.2888	3.2306	0.0285	0.0203	0.3658	0.4146
1066	19.7	20.7	0.5246	2.4171	0.2889	3.2306	0.0504	0.0207	0.3346	0.4057
1067	19.7	20.7	0.5242	2.4174	0.29	3.2315	0.0635	0.0149	0.324	0.4024
1068	20.5	20.7	0.5269	2.4178	0.2874	3.2321	0.0986	0.016	0.3055	0.4201
1069	19.8	20.7	0.5297	2.4184	0.2843	3.2324	0.1143	0.0166	0.2893	0.4202
1070	20.4	20.7	0.5326	2.4186	0.2813	3.2325	0.1277	0.0156	0.2724	0.4157
1071	21.2	20.7	0.5323	2.4188	0.2812	3.2323	0.1507	0.0105	0.2648	0.426
1072	21	20.8	0.5311	2.4187	0.2823	3.2322	0.1504	0.0171	0.2695	0.437
1073	21.1	20.9	0.5305	2.4186	0.2827	3.2318	0.1696	0.019	0.2634	0.452
1074	20.9	21	0.5295	2.4185	0.2827	3.2308	0.1837	0.0162	0.2254	0.4253
1075	20.9	21	0.5286	2.4184	0.2823	3.2293	0.1833	0.0134	0.2246	0.4213
1076	21	21	0.5279	2.4183	0.2817	3.2278	0.1673	0.0146	0.2361	0.418
1077	20.9	21.1	0.527	2.418	0.2815	3.2265	0.176	0.014	0.2403	0.4303
1078	21.3	21.1	0.526	2.4175	0.282	3.2254	0.2138	0.013	0.1973	0.4241
1079	21.4	21.2	0.5252	2.4169	0.2823	3.2244	0.2027	0.0115	0.2086	0.4228
1080	21.8	21.2	0.5253	2.4167	0.2823	3.2243	0.185	0.0101	0.2203	0.4154
1081	22.5	21.2	0.5245	2.4165	0.2832	3.2242	0.1865	0.0066	0.2193	0.4123
1082	21.9	21.1	0.5236	2.4163	0.283	3.223	0.1775	0.0042	0.2306	0.4123
1083	22.1	21	0.5229	2.4168	0.2828	3.2225	0.1807	0.0036	0.2288	0.4131
1084	21.3	20.9	0.5209	2.417	0.2842	3.2221	0.1844	0.0055	0.2333	0.4233
1085	20.1	20.9	0.5203	2.4172	0.2839	3.2214	0.1701	0.0064	0.2397	0.4162
1086	20.5	20.8	0.5228	2.4177	0.28	3.2206	0.1395	0.0085	0.2587	0.4067
1087	21.3	20.8	0.5228	2.4179	0.2786	3.2193	0.1445	0.0116	0.2496	0.4056
1088	21.6	20.9	0.5226	2.4182	0.2789	3.2197	0.1356	0.0132	0.2528	0.4017
1089	20.6	20.9	0.5236	2.4179	0.2774	3.2188	0.1376	0.0176	0.2434	0.3986
1090	20.5	20.9	0.5227	2.4178	0.2779	3.2184	0.1385	0.02	0.2341	0.3927
1091	19.5	20.9	0.5225	2.418	0.2782	3.2186	0.1364	0.0168	0.2333	0.3865
1092	19.3	20.9	0.5226	2.4179	0.2788	3.2193	0.1494	0.0111	0.23	0.3904
1093	19.4	20.9	0.5226	2.4181	0.2788	3.2196	0.1419	0.0059	0.2453	0.3931
1094	19.5	20.9	0.5238	2.4181	0.2777	3.2195	0.1246	0.0056	0.2612	0.3915
1095	20.3	21	0.5253	2.4178	0.2763	3.2195	0.1065	0.0071	0.2703	0.3839
1096	21.3	21.1	0.5258	2.4177	0.2769	3.2205	0.1017	0.0078	0.2655	0.375
1097	21.7	21.1	0.5243	2.4176	0.2791	3.221	0.0962	0.0057	0.2637	0.3655
1098	22	21	0.5237	2.4176	0.279	3.2203	0.1001	0.0044	0.2582	0.3627
1099	22	21	0.5257	2.4178	0.2768	3.2204	0.1156	0.0018	0.237	0.3544
1100	21.9	21	0.5261	2.4181	0.2767	3.221	0.1221	0.0023	0.2358	0.3602
1101	22.5	21	0.525	2.4182	0.2767	3.2199	0.1252	-0.0017	0.2488	0.3722

1102	22	21.1	0.5238	2.418	0.2767	3.2185	0.1547	-0.0023	0.2297	0.382
1103	21.7	21.2	0.526	2.4176	0.2743	3.2179	0.1738	0.0022	0.2157	0.3917
1104	22	21.3	0.5263	2.4177	0.2739	3.2179	0.161	0.0054	0.2295	0.3959
1105	21.6	21.3	0.5264	2.4174	0.2736	3.2174	0.1566	0.0051	0.2374	0.399
1106	21	21.3	0.528	2.4171	0.2716	3.2167	0.1604	0.0062	0.2427	0.4093
1107	20.1	21.2	0.5277	2.4164	0.2711	3.2152	0.1598	0.0072	0.23	0.3969
1108	20	21.1	0.5274	2.4156	0.2708	3.2137	0.1808	0.0039	0.2063	0.391
1109	20.6	21	0.5277	2.4146	0.27	3.2123	0.2248	0.0058	0.1637	0.3942
1110	20.5	21	0.5283	2.4145	0.2694	3.2123	0.2258	0.0055	0.1608	0.3921
1111	20.2	20.9	0.5277	2.4145	0.2699	3.2121	0.2045	0.0068	0.177	0.3882
1112	21.4	20.9	0.5263	2.4147	0.2712	3.2122	0.1331	0.0063	0.2412	0.3807
1113	21.2	20.9	0.5274	2.4149	0.2702	3.2126	0.1231	-0.0003	0.2571	0.3799
1114	21.2	20.8	0.5279	2.4149	0.2697	3.2125	0.0811	-0.0071	0.283	0.3571
1115	20.9	20.8	0.5272	2.4151	0.27	3.2123	0.0479	-0.0123	0.3092	0.3448
1116	20.3	20.8	0.526	2.4158	0.2701	3.2119	0.0449	-0.0135	0.3085	0.3399
1117	20.2	20.9	0.5233	2.4163	0.2714	3.2111	0.0395	-0.0135	0.3038	0.3298
1118	20.7	20.9	0.5211	2.4163	0.273	3.2104	0.0435	-0.0114	0.301	0.3332
1119	21.2	20.9	0.5207	2.4165	0.2726	3.2098	0.0664	-0.008	0.2776	0.336
1120	21.1	20.9	0.5192	2.4169	0.2731	3.2092	0.0751	-0.0035	0.2675	0.3391
1121	21.1	20.9	0.5196	2.4167	0.2718	3.2081	0.1057	-0.002	0.2421	0.3458
1122	21.5	20.9	0.5177	2.4164	0.2718	3.2059	0.1103	-0.003	0.2464	0.3537
1123	21.4	20.9	0.5163	2.4168	0.2751	3.2082	0.0988	-0.0008	0.2727	0.3707
1124	21.6	20.9	0.516	2.4171	0.2754	3.2085	0.1098	0.0024	0.2713	0.3835
1125	20.8	20.9	0.5167	2.417	0.2746	3.2083	0.1302	0.0014	0.2481	0.3798
1126	20.5	20.9	0.5151	2.4169	0.2757	3.2077	0.1223	0.0007	0.2458	0.3688
1127	20.5	21	0.5142	2.4168	0.2769	3.2079	0.1047	0.0008	0.249	0.3546
1128	20.8	20.9	0.514	2.4169	0.2766	3.2075	0.0963	0.0035	0.258	0.3579
1129	20.7	20.8	0.5138	2.4168	0.2763	3.207	0.1086	0.0058	0.2516	0.366
1130	20.8	20.8	0.5136	2.4171	0.2766	3.2073	0.0975	0.0047	0.2529	0.355
1131	20.8	20.8	0.5132	2.4177	0.2768	3.2078	0.0798	0.0046	0.2703	0.3547
1132	21	20.7	0.5136	2.4178	0.276	3.2074	0.0641	0.0057	0.2821	0.352
1133	21.2	20.6	0.5148	2.4178	0.2738	3.2063	0.053	0.001	0.2881	0.3421
1134	21.3	20.6	0.5159	2.418	0.2724	3.2063	0.0429	0.0008	0.2905	0.3342
1135	20.9	20.5	0.5174	2.4179	0.271	3.2064	0.019	0.0013	0.3128	0.3331
1136	20.4	20.6	0.5172	2.4179	0.2708	3.2058	0.0194	0.0007	0.3067	0.3268
1137	19.8	20.5	0.5176	2.4178	0.2704	3.2058	0.0469	0.0059	0.2717	0.3245
1138	19.7	20.5	0.5175	2.4178	0.2706	3.2059	0.0458	0.0054	0.2647	0.3159

1139	20.3	20.5	0.5165	2.4179	0.2718	3.2062	0.0486	0.0049	0.2689	0.3225
1140	20.5	20.5	0.5163	2.4181	0.2721	3.2064	0.0584	0.0029	0.261	0.3222
1141	20.2	20.5	0.5164	2.4181	0.271	3.2056	0.0389	0.0039	0.2812	0.3239
1142	20.1	20.5	0.5175	2.418	0.269	3.2044	0.0479	0.0066	0.2822	0.3367
1143	20.3	20.4	0.5194	2.4178	0.2667	3.2039	0.0709	0.0063	0.2769	0.3541
1144	20.5	20.4	0.5214	2.4178	0.2647	3.2038	0.0533	0.013	0.2907	0.3571
1145	20.8	20.4	0.5217	2.4178	0.2646	3.2041	0.0672	0.0188	0.2729	0.3589
1146	20.3	20.4	0.5211	2.4179	0.2653	3.2043	0.0933	0.0177	0.2408	0.3519
1147	20.3	20.5	0.5207	2.418	0.2652	3.2039	0.091	0.0181	0.2588	0.3679
1148	21	20.5	0.5202	2.4183	0.2655	3.204	0.0849	0.0101	0.2793	0.3743
1149	20.6	20.5	0.5199	2.4185	0.2654	3.2039	0.0825	0.0072	0.2863	0.3759
1150	20.4	20.6	0.5194	2.4187	0.2647	3.2028	0.1122	0.0101	0.2739	0.3963
1151	20.6	20.6	0.5178	2.4188	0.265	3.2017	0.1118	0.0147	0.2833	0.4098
1152	20.6	20.6	0.5165	2.4187	0.2655	3.2007	0.1072	0.0175	0.2779	0.4025
1153	20.6	20.6	0.5178	2.4184	0.2638	3.2	0.1008	0.0166	0.2739	0.3913
1154	20.7	20.5	0.518	2.4183	0.2632	3.1996	0.1339	0.013	0.2356	0.3826
1155	21	20.5	0.5185	2.418	0.2616	3.1981	0.1519	0.0149	0.2135	0.3803
1156	21.1	20.5	0.5184	2.4177	0.2618	3.1978	0.1413	0.0142	0.2273	0.3828
1157	20.3	20.4	0.518	2.4179	0.2615	3.1974	0.1385	0.0095	0.2374	0.3855
1158	20.6	20.3	0.517	2.4176	0.2616	3.1962	0.1307	-0.0014	0.2364	0.3657
1159	21.4	20.2	0.5155	2.4178	0.2615	3.1948	0.1054	-0.0111	0.2599	0.3543
1160	20.8	20.1	0.5132	2.4176	0.2633	3.1941	0.0988	-0.0193	0.2525	0.332
1161	20.3	20	0.5152	2.4173	0.261	3.1935	0.1046	-0.0176	0.2409	0.3278
1162	19.5	19.9	0.5136	2.4176	0.2631	3.1943	0.0844	-0.0188	0.2614	0.3269
1163	19.5	20	0.5152	2.4178	0.262	3.195	0.062	-0.0209	0.2773	0.3183
1164	19.8	19.9	0.5188	2.4179	0.2589	3.1956	0.0743	-0.0178	0.2619	0.3184
1165	19.5	19.9	0.5205	2.4182	0.258	3.1966	0.0782	-0.0157	0.2604	0.3229
1166	19.1	19.9	0.5207	2.4185	0.2585	3.1976	0.0723	-0.0118	0.2665	0.3269
1167	18.8	19.9	0.5198	2.4185	0.2599	3.1982	0.0661	-0.0048	0.2695	0.3308
1168	18.8	19.9	0.5202	2.4186	0.2597	3.1985	0.0445	-0.0031	0.2927	0.3341
1169	19.1	19.9	0.5222	2.4187	0.2576	3.1984	0.0235	-0.0044	0.3217	0.3408
1170	18.9	19.9	0.522	2.4188	0.2571	3.198	0.0297	-0.0033	0.3152	0.3415
1171	19	20	0.5213	2.4191	0.2565	3.1969	0.0469	-0.0023	0.2862	0.3308
1172	20.8	20	0.5212	2.4188	0.255	3.1951	0.0626	-0.0043	0.2608	0.3192
1173	20.3	20.1	0.5195	2.4184	0.2555	3.1935	0.0447	-0.0068	0.2636	0.3015
1174	19.8	20.2	0.5165	2.4184	0.2579	3.1928	0.0398	-0.005	0.2973	0.3321
1175	21	20.2	0.5164	2.4184	0.2577	3.1924	0.0375	-0.0044	0.3119	0.3451

1176	21.1	20.3	0.5174	2.4182	0.2568	3.1924	0.0546	-0.008	0.308	0.3546
1177	20.7	20.3	0.5174	2.4177	0.2557	3.1908	0.0695	-0.0095	0.3085	0.3685
1178	21.6	20.4	0.5151	2.4169	0.2568	3.1888	0.0841	-0.009	0.289	0.3641
1179	20.9	20.4	0.5155	2.4164	0.257	3.1889	0.0704	-0.0114	0.3115	0.3705
1180	20.8	20.4	0.5173	2.4162	0.2553	3.1888	0.0344	-0.0127	0.3478	0.3695
1181	21.2	20.4	0.5181	2.4159	0.255	3.189	0.0371	-0.0092	0.3563	0.3841
1182	21.2	20.4	0.5183	2.4162	0.2542	3.1887	0.0246	0.0019	0.3669	0.3934
1183	20.7	20.4	0.5186	2.4167	0.2538	3.1891	0.0338	0.0044	0.347	0.3852
1184	20.6	20.5	0.519	2.4169	0.253	3.1888	0.0467	0.0059	0.3172	0.3698
1185	20.2	20.5	0.5184	2.4171	0.2533	3.1888	0.0661	0.0096	0.2954	0.3711
1186	19.5	20.5	0.5181	2.4171	0.2529	3.1881	0.0712	0.0118	0.2988	0.3818
1187	19.5	20.5	0.5182	2.4174	0.2522	3.1877	0.0652	0.0131	0.2989	0.3773
1188	19.5	20.5	0.5177	2.4177	0.252	3.1874	0.0672	0.0127	0.2987	0.3786
1189	19.3	20.6	0.5177	2.4176	0.2513	3.1866	0.0595	0.0139	0.3053	0.3787
1190	19.6	20.6	0.5188	2.4174	0.2497	3.186	0.0429	0.0202	0.3201	0.3832
1191	19.9	20.6	0.5177	2.4173	0.2499	3.1849	0.0385	0.0264	0.3236	0.3885
1192	20.7	20.7	0.5156	2.4172	0.2511	3.1839	0.0402	0.028	0.3129	0.381
1193	21.2	20.7	0.5173	2.4168	0.2498	3.1839	0.0537	0.0253	0.2929	0.3718
1194	21.3	20.8	0.5171	2.4162	0.2504	3.1837	0.141	0.0195	0.2077	0.3682
1195	21	20.8	0.516	2.4161	0.2522	3.1843	0.468	0.0165	-0.1112	0.3734
1196	21	21	0.5167	2.4159	0.251	3.1837	0.4821	0.0167	-0.1194	0.3794
1197	21.5	21.1	0.5158	2.4166	0.2512	3.1836	0.5165	0.0158	-0.1362	0.3961
1198	21.8	21.2	0.5154	2.4169	0.2504	3.1827	0.592	0.0154	-0.2129	0.3945
1199	21.4	21.3	0.5145	2.4168	0.2494	3.1807	0.6074	0.0202	-0.2236	0.404
1200	22.1	21.4	0.5149	2.4167	0.2484	3.18	0.6032	0.0244	-0.231	0.3966
1201	21.6	21.4	0.5143	2.4164	0.2489	3.1796	0.5955	0.0307	-0.2249	0.4013
1202	21.6	21.4	0.5138	2.4163	0.2493	3.1794	0.5792	0.0418	-0.2187	0.4023
1203	21.8	21.4	0.5126	2.4163	0.2507	3.1796	0.5696	0.0436	-0.2128	0.4004
1204	21.4	21.4	0.5111	2.4162	0.2526	3.1799	0.5885	0.041	-0.2363	0.3931
1205	22.1	21.3	0.5123	2.416	0.2509	3.1792	0.5983	0.0351	-0.2379	0.3955
1206	21.6	21.3	0.5142	2.4161	0.2479	3.1782	0.6231	0.0303	-0.2709	0.3824
1207	21.7	21.3	0.5146	2.4165	0.2475	3.1787	0.6247	0.0265	-0.2674	0.3837
1208	21.2	21.2	0.5168	2.4167	0.2448	3.1783	0.6308	0.0294	-0.2737	0.3864
1209	21.4	21.2	0.5178	2.4166	0.2448	3.1791	0.6176	0.0247	-0.2655	0.3768
1210	21	21.2	0.5178	2.4163	0.2454	3.1795	0.5996	0.0259	-0.2619	0.3636
1211	20.8	21.1	0.5192	2.4164	0.2438	3.1794	0.5726	0.0197	-0.2285	0.3637
1212	20.7	21.1	0.5201	2.4168	0.2435	3.1804	0.5924	0.0134	-0.2438	0.3621

1213	20.2	21.1	0.52	2.4167	0.2441	3.1808	0.6171	0.0114	-0.2279	0.4007
1214	20.4	21.1	0.5201	2.4164	0.2437	3.1802	0.6723	0.0116	-0.2713	0.4126
1215	21	21	0.5199	2.4163	0.2434	3.1796	0.716	0.0131	-0.3298	0.3993
1216	20.4	20.9	0.5194	2.4163	0.2431	3.1788	0.7364	0.0182	-0.3457	0.4089
1217	20.8	20.9	0.5189	2.4166	0.2422	3.1777	0.7448	0.0217	-0.3431	0.4234
1218	21.1	20.9	0.5187	2.4168	0.2408	3.1763	0.7244	0.0173	-0.3207	0.421
1219	21.3	20.9	0.5178	2.4169	0.241	3.1757	0.7026	0.0178	-0.3061	0.4143
1220	21	20.9	0.5145	2.4171	0.2445	3.1761	0.7179	0.0129	-0.3086	0.4223
1221	21.1	20.9	0.5134	2.4171	0.2457	3.1762	0.7264	0.0115	-0.3242	0.4137
1222	21.5	20.9	0.5132	2.4171	0.2455	3.1757	0.73	0.0127	-0.3418	0.401
1223	21.4	20.9	0.5123	2.4173	0.2454	3.175	0.7126	0.0049	-0.3355	0.3821
1224	20.7	20.9	0.5123	2.4175	0.2442	3.174	0.676	-0.0061	-0.3101	0.3598
1225	20.5	20.8	0.5112	2.4178	0.2438	3.1728	0.6413	-0.0078	-0.2848	0.3487
1226	20.6	20.8	0.5081	2.4179	0.2449	3.1709	0.6459	-0.0074	-0.2916	0.3468
1227	21.1	20.8	0.5058	2.4177	0.248	3.1715	0.6763	-0.0096	-0.3125	0.3542
1228	21.3	20.7	0.507	2.418	0.2455	3.1705	0.6661	-0.0161	-0.3081	0.342
1229	20.5	20.6	0.5104	2.4181	0.2416	3.17	0.6378	-0.0235	-0.2941	0.3203
1230	21	20.5	0.5099	2.4181	0.2409	3.1689	0.6378	-0.0258	-0.2961	0.3158
1231	20.8	20.5	0.5108	2.4175	0.2401	3.1684	0.6537	-0.0297	-0.311	0.313
1232	20.4	20.4	0.5102	2.4174	0.2413	3.1689	0.6626	-0.0365	-0.316	0.3101
1233	20.8	20.4	0.5101	2.4172	0.2421	3.1694	0.6624	-0.0359	-0.3204	0.3061
1234	19.7	20.3	0.5093	2.417	0.2429	3.1692	0.6662	-0.032	-0.3195	0.3147
1235	20.1	20.3	0.5103	2.4167	0.2411	3.1682	0.6839	-0.0289	-0.3367	0.3184
1236	19.9	20.3	0.5107	2.4165	0.2409	3.1681	0.6764	-0.0261	-0.319	0.3313
1237	19.9	20.3	0.5108	2.4166	0.2405	3.168	0.695	-0.0262	-0.3223	0.3465
1238	19.6	20.2	0.5115	2.4164	0.2401	3.168	0.7237	-0.0235	-0.3525	0.3478
1239	19.5	20.1	0.5122	2.4159	0.2398	3.1678	0.7154	-0.0168	-0.3507	0.3479
1240	19.8	20.1	0.5124	2.4154	0.2397	3.1676	0.7038	-0.012	-0.3428	0.3491
1241	20.2	20.1	0.5124	2.4153	0.2397	3.1675	0.719	-0.0068	-0.3633	0.3489
1242	20.5	20.1	0.5121	2.4154	0.2397	3.1672	0.7121	-0.0015	-0.3677	0.343
1243	20.3	20.1	0.5053	2.4159	0.2459	3.1671	0.699	-0.0009	-0.3607	0.3375
1244	20	20.2	0.4746	2.4161	0.2758	3.1665	0.7176	-0.0063	-0.3735	0.3378
1245	19.8	20.2	0.4735	2.4161	0.2766	3.1662	0.7096	-0.0173	-0.3665	0.3258
1246	20.7	20.2	0.4694	2.4163	0.2789	3.1647	0.6927	-0.0252	-0.3459	0.3217
1247	20.3	20.2	0.4615	2.4165	0.2865	3.1645	0.6944	-0.0296	-0.3514	0.3134
1248	19.4	20.2	0.4595	2.4163	0.2878	3.1636	0.6907	-0.0222	-0.3538	0.3148
1249	20.4	20.2	0.4596	2.4161	0.2885	3.1642	0.6969	-0.0196	-0.3663	0.311

1250	20.6	20.2	0.4599	2.4156	0.2872	3.1627	0.6924	-0.0232	-0.3753	0.294
1251	20.6	20.2	0.4599	2.4146	0.2869	3.1614	0.6921	-0.0263	-0.3776	0.2882
1252	20.9	20.2	0.4595	2.4143	0.2868	3.1607	0.6619	-0.0255	-0.3399	0.2965
1253	21	20.2	0.459	2.4143	0.2874	3.1607	0.6391	-0.0265	-0.3153	0.2973
1254	20	20.2	0.4582	2.4148	0.287	3.16	0.6107	-0.0284	-0.2882	0.2941
1255	19.6	20.2	0.4562	2.415	0.2887	3.1598	0.593	-0.0305	-0.2664	0.296
1256	20.2	20.2	0.4559	2.4151	0.2885	3.1595	0.6041	-0.03	-0.2764	0.2977
1257	20.3	20.3	0.4549	2.4149	0.2889	3.1588	0.6198	-0.029	-0.2932	0.2976
1258	19.6	20.3	0.4552	2.4151	0.2882	3.1585	0.6169	-0.0227	-0.2915	0.3028
1259	20.3	20.3	0.4555	2.4152	0.2877	3.1584	0.6374	-0.0235	-0.3108	0.303
1260	19.9	20.3	0.4559	2.4157	0.2861	3.1577	0.6406	-0.026	-0.3022	0.3124
1261	19.7	20.3	0.4559	2.416	0.2854	3.1573	0.6378	-0.029	-0.2959	0.3129
1262	20	20.2	0.4519	2.4165	0.2859	3.1542	0.641	-0.0262	-0.3074	0.3074
1263	20	20.1	0.448	2.4166	0.2891	3.1537	0.6411	-0.0217	-0.3043	0.3151
1264	20.7	20.1	0.4472	2.4165	0.2919	3.1556	0.6311	-0.0229	-0.2922	0.3159
1265	21.3	20.1	0.4468	2.4164	0.2925	3.1557	0.6165	-0.026	-0.2764	0.3141
1266	20.8	20.1	0.4462	2.4163	0.2928	3.1553	0.6183	-0.0278	-0.2736	0.3169
1267	20	20.1	0.4474	2.4168	0.2919	3.1561	0.6283	-0.0295	-0.2952	0.3037
1268	19.9	20.1	0.45	2.4168	0.2903	3.1571	0.6269	-0.0286	-0.3062	0.2921
1269	20.4	20.1	0.4504	2.4174	0.2884	3.1562	0.6219	-0.0269	-0.3057	0.2893
1270	20.3	20.1	0.4493	2.4177	0.2896	3.1566	0.5973	-0.027	-0.285	0.2853
1271	19.7	20.1	0.4483	2.4178	0.2907	3.1568	0.5795	-0.0249	-0.2562	0.2985
1272	18.7	20.2	0.45	2.4183	0.2886	3.1569	0.5883	-0.0268	-0.2466	0.315
1273	19.9	20.2	0.4519	2.419	0.2866	3.1575	0.5912	-0.0257	-0.2452	0.3202
1274	19.7	20.1	0.4524	2.4192	0.2864	3.1579	0.5956	-0.0232	-0.2459	0.3265
1275	20.4	20	0.4518	2.4191	0.2869	3.1578	0.5929	-0.0245	-0.239	0.3293
1276	20.2	19.9	0.4498	2.4192	0.288	3.1569	0.5846	-0.0187	-0.2247	0.3412
1277	20.3	19.9	0.4508	2.4193	0.2865	3.1566	0.5322	-0.0171	-0.2075	0.3076
1278	20.2	19.9	0.4513	2.4192	0.2862	3.1568	0.5059	-0.0168	-0.1696	0.3195
1279	20	19.9	0.4517	2.419	0.2866	3.1573	0.5291	-0.0149	-0.2085	0.3056
1280	20.3	19.9	0.452	2.4192	0.2864	3.1575	0.5765	-0.016	-0.2555	0.305
1281	20.3	19.9	0.4518	2.4196	0.2866	3.158	0.5687	-0.0163	-0.2558	0.2966
1282	19.8	20	0.452	2.4198	0.2863	3.1581	0.59	-0.0239	-0.2608	0.3053
1283	19.3	20	0.452	2.4199	0.2857	3.1576	0.6001	-0.0232	-0.2519	0.325
1284	18.9	20.1	0.4506	2.4198	0.2866	3.157	0.5969	-0.0291	-0.2403	0.3275
1285	19.7	20.1	0.4508	2.4197	0.2852	3.1556	0.5896	-0.0303	-0.2267	0.3326
1286	19.8	20.1	0.4486	2.4198	0.2851	3.1535	0.5942	-0.0306	-0.2336	0.33

1287	20.2	20	0.4458	2.4197	0.2874	3.153	0.5912	-0.0331	-0.2182	0.3399
1288	20.1	20	0.4462	2.4194	0.2871	3.1527	0.5891	-0.0361	-0.2071	0.346
1289	20.2	20	0.4473	2.4188	0.2855	3.1517	0.5839	-0.0391	-0.1982	0.3465
1290	20.6	20	0.4469	2.4181	0.2861	3.1511	0.5717	-0.0422	-0.1851	0.3443
1291	20.5	20	0.4465	2.4174	0.2867	3.1506	0.5744	-0.0449	-0.1881	0.3414
1292	20.1	20	0.4456	2.4173	0.2872	3.1502	0.577	-0.0456	-0.1978	0.3336
1293	20.3	20	0.4455	2.4175	0.2871	3.1501	0.5629	-0.0424	-0.1886	0.332
1294	20.4	20.1	0.4461	2.4179	0.2871	3.1511	0.4905	-0.0367	-0.1167	0.337
1295	20	20	0.4467	2.4186	0.2868	3.1521	0.1874	-0.036	0.1896	0.341
1296	20	20	0.4473	2.4189	0.2862	3.1524	0.1707	-0.0358	0.2056	0.3405
1297	19.9	19.9	0.4467	2.4188	0.2866	3.1521	0.1246	-0.0328	0.2285	0.3203
1298	19.6	19.8	0.4458	2.4188	0.287	3.1516	0.0287	-0.0292	0.3047	0.3042
1299	19.8	19.7	0.4453	2.4191	0.2869	3.1513	-0.0341	-0.032	0.3631	0.2971
1300	20.2	19.5	0.4457	2.4193	0.2862	3.1512	-0.0426	-0.033	0.3805	0.3049
1301	20.7	19.4	0.4481	2.419	0.2829	3.1499	-0.0362	-0.036	0.3585	0.2863
1302	19.9	19.3	0.4498	2.4189	0.2809	3.1497	-0.0229	-0.0486	0.341	0.2696
1303	19.5	19.2	0.4516	2.4191	0.2795	3.1502	-0.0135	-0.0527	0.3391	0.2728
1304	19	19.1	0.4518	2.4193	0.2792	3.1503	-0.0264	-0.053	0.3634	0.2839
1305	19.3	19	0.4518	2.419	0.2785	3.1494	-0.0367	-0.0487	0.3635	0.278
1306	18	19	0.4522	2.419	0.2772	3.1484	-0.0599	-0.0454	0.3964	0.2911
1307	18	18.9	0.4529	2.4188	0.2766	3.1484	-0.0747	-0.045	0.4058	0.2861
1308	18.1	18.9	0.4531	2.419	0.2759	3.148	-0.0874	-0.0483	0.4134	0.2777
1309	17.6	18.9	0.4537	2.4192	0.275	3.1479	-0.0829	-0.0458	0.403	0.2744
1310	17.4	18.8	0.4541	2.4192	0.2749	3.1482	-0.0771	-0.0467	0.3937	0.2699
1311	18.2	18.7	0.4551	2.419	0.2745	3.1487	-0.0705	-0.0402	0.3694	0.2587
1312	18.9	18.6	0.456	2.419	0.2739	3.1488	-0.0864	-0.0364	0.3742	0.2515
1313	18.7	18.5	0.4569	2.419	0.2733	3.1492	-0.1483	-0.0314	0.4066	0.227
1314	18.9	18.4	0.4584	2.419	0.2713	3.1488	-0.2079	-0.0306	0.4648	0.2263
1315	19.3	18.3	0.4581	2.4191	0.2707	3.1479	-0.2238	-0.0325	0.502	0.2456
1316	18.9	18.3	0.4565	2.4192	0.2727	3.1484	-0.224	-0.0332	0.505	0.2477
1317	19.1	18.2	0.4562	2.4195	0.2728	3.1485	-0.2343	-0.0325	0.5102	0.2433
1318	19	18.1	0.4565	2.4195	0.2714	3.1474	-0.2117	-0.0311	0.4917	0.2489
1319	19	18.2	0.458	2.4196	0.2695	3.1472	-0.167	-0.0294	0.4556	0.2592
1320	18.5	18.2	0.4566	2.4196	0.2701	3.1463	-0.1635	-0.0197	0.4381	0.2548
1321	18.1	18.2	0.4546	2.4198	0.2704	3.1447	-0.2091	-0.014	0.4778	0.2547
1322	17.3	18.2	0.4541	2.4197	0.27	3.1437	-0.2548	-0.0121	0.5357	0.2688
1323	17.6	18.2	0.4528	2.4196	0.27	3.1423	-0.2515	-0.0087	0.5412	0.281

1324	17.1	18.2	0.453	2.4199	0.2681	3.141	-0.2402	-0.0019	0.535	0.2929
1325	17.3	18.1	0.4528	2.4197	0.2662	3.1387	-0.2393	0.0037	0.5397	0.304
1326	16.5	18.1	0.4549	2.4196	0.2656	3.1401	-0.2452	0.0023	0.5438	0.3009
1327	17.2	18.1	0.4552	2.4194	0.2649	3.1395	-0.2566	0.0037	0.5452	0.2923
1328	18.1	18.1	0.4541	2.4195	0.2663	3.1399	-0.2378	0.0039	0.5233	0.2894
1329	18.2	18.1	0.4527	2.4197	0.2671	3.1395	-0.2347	-0.0007	0.5303	0.295
1330	18.1	18	0.453	2.4197	0.2665	3.1392	-0.2112	-0.0063	0.5356	0.3181
1331	18.3	18	0.4518	2.4199	0.2662	3.1379	-0.1912	-0.0052	0.5253	0.3289
1332	19	18.1	0.4502	2.4197	0.2665	3.1364	-0.1772	-0.004	0.5189	0.3376
1333	18.8	18.2	0.4504	2.4201	0.2661	3.1366	-0.1676	-0.0027	0.5092	0.339
1334	18.6	18.2	0.4504	2.4201	0.2656	3.136	-0.1734	-0.0026	0.5118	0.3358
1335	18.9	18.3	0.4509	2.4198	0.2645	3.1352	-0.1964	-0.0044	0.5419	0.3411
1336	18.9	18.4	0.4515	2.4199	0.2627	3.1341	-0.2072	-0.0061	0.5459	0.3327
1337	18.6	18.5	0.4519	2.4202	0.2612	3.1334	-0.2324	-0.0068	0.554	0.3148
1338	18.3	18.5	0.4531	2.4203	0.2599	3.1334	-0.261	-0.0058	0.5885	0.3217
1339	18	18.6	0.455	2.4201	0.2583	3.1334	-0.2668	-0.0072	0.5935	0.3195
1340	18.2	18.6	0.455	2.4199	0.2586	3.1335	-0.2571	-0.0119	0.5755	0.3064
1341	18.5	18.6	0.4547	2.4199	0.2595	3.1341	-0.2596	-0.0178	0.586	0.3085
1342	18.6	18.6	0.4558	2.4197	0.2585	3.134	-0.2754	-0.0239	0.6017	0.3024
1343	18.8	18.6	0.4562	2.4195	0.2576	3.1334	-0.2916	-0.0245	0.6095	0.2934
1344	18.1	18.7	0.4558	2.4197	0.2568	3.1324	-0.3016	-0.0261	0.6209	0.2933
1345	18.3	18.7	0.4564	2.4197	0.256	3.1321	-0.3042	-0.0241	0.6226	0.2944
1346	19.3	18.8	0.457	2.4196	0.2561	3.1327	-0.3002	-0.0183	0.6183	0.2998
1347	18.9	18.8	0.4586	2.4194	0.256	3.134	-0.3124	-0.0185	0.6367	0.3058
1348	18.8	18.9	0.4629	2.4195	0.2515	3.1339	-0.3388	-0.0239	0.6692	0.3065
1349	18.6	18.9	0.4639	2.4194	0.2504	3.1337	-0.3505	-0.0248	0.6824	0.3071
1350	19.4	18.9	0.4635	2.4192	0.2514	3.1341	-0.3702	-0.0179	0.6897	0.3016
1351	18.9	18.9	0.4622	2.4195	0.2528	3.1345	-0.3593	-0.0142	0.6744	0.3009
1352	18.3	18.9	0.4609	2.4196	0.2529	3.1334	-0.3341	-0.0147	0.6389	0.2902
1353	19.6	18.8	0.4616	2.4196	0.2511	3.1323	-0.3191	-0.0128	0.6222	0.2903
1354	19.7	18.8	0.4619	2.4197	0.2506	3.1322	-0.3095	-0.0067	0.6118	0.2956
1355	19.8	18.8	0.4622	2.4195	0.249	3.1307	-0.3178	-0.0037	0.618	0.2964
1356	19.8	18.7	0.4634	2.4196	0.2479	3.1309	-0.3252	-0.0027	0.6157	0.2878
1357	18.9	18.6	0.4637	2.4198	0.2475	3.131	-0.3227	-0.0056	0.6088	0.2806
1358	18.5	18.6	0.4635	2.4197	0.2478	3.1311	-0.3085	-0.0075	0.6052	0.2892
1359	18.4	18.5	0.4632	2.4199	0.2483	3.1314	-0.2959	-0.003	0.5917	0.2928
1360	18.3	18.4	0.463	2.4197	0.2492	3.1319	-0.2786	0.0007	0.5754	0.2975

1361	18.4	18.3	0.4646	2.4196	0.248	3.1321	-0.2678	0.0048	0.5696	0.3067
1362	17.7	18.3	0.4668	2.4196	0.2452	3.1316	-0.2535	0.0063	0.5666	0.3194
1363	17.5	18.1	0.4688	2.4197	0.2426	3.1311	-0.2482	0.0062	0.5743	0.3324
1364	17.8	18	0.4696	2.4198	0.2417	3.1311	-0.2444	0.0123	0.5671	0.335
1365	17.5	18	0.4692	2.4197	0.242	3.131	-0.2369	0.0189	0.5546	0.3365
1366	17.8	17.8	0.4696	2.4196	0.2418	3.131	-0.246	0.025	0.5533	0.3324
1367	17.8	17.8	0.4685	2.4199	0.2428	3.1312	-0.2563	0.0307	0.568	0.3424
1368	17.3	17.8	0.4667	2.4197	0.2447	3.1311	-0.2566	0.0337	0.5781	0.3552
1369	17.5	17.8	0.4667	2.4194	0.2446	3.1307	-0.2513	0.0336	0.5631	0.3454
1370	17.4	17.8	0.4702	2.4191	0.2418	3.1311	-0.2336	0.0401	0.5391	0.3456
1371	17.6	17.8	0.4738	2.419	0.2371	3.1299	-0.2392	0.0368	0.535	0.3326
1372	16.9	17.8	0.4751	2.4192	0.2345	3.1288	-0.2488	0.0332	0.5321	0.3165
1373	17.8	17.8	0.476	2.4192	0.2331	3.1282	-0.2558	0.0301	0.5339	0.3082
1374	18.4	17.8	0.4763	2.4188	0.2324	3.1275	-0.2776	0.0276	0.5376	0.2876
1375	17	17.9	0.4763	2.4189	0.2325	3.1277	-0.2813	0.0311	0.5203	0.2701
1376	17.8	17.9	0.4754	2.4188	0.2335	3.1277	-0.2888	0.0309	0.5099	0.2519
1377	18.7	17.9	0.4746	2.4189	0.2342	3.1276	-0.2643	0.0308	0.5066	0.2731
1378	18.8	18	0.4748	2.4193	0.2332	3.1273	-0.2557	0.0317	0.4943	0.2703
1379	18.1	18	0.4728	2.4196	0.233	3.1255	-0.2634	0.0332	0.5073	0.2772
1380	18	18	0.4711	2.4197	0.2338	3.1246	-0.2737	0.0328	0.5229	0.282
1381	17.8	18	0.4695	2.42	0.2347	3.1242	-0.2659	0.0309	0.5129	0.2778
1382	18.4	18	0.4688	2.4201	0.2353	3.1242	-0.2754	0.0278	0.507	0.2595
1383	18.2	18	0.4693	2.4202	0.2345	3.124	-0.2749	0.0252	0.4996	0.2498
1384	18.3	18	0.4702	2.4202	0.2324	3.1229	-0.2728	0.0282	0.4949	0.2503
1385	18.2	18.1	0.4715	2.4203	0.2306	3.1224	-0.2726	0.0233	0.4836	0.2343
1386	18.1	18.1	0.4719	2.4204	0.2297	3.122	-0.2868	0.0208	0.4939	0.2279
1387	18.2	18.1	0.4719	2.4203	0.2286	3.1208	-0.2813	0.0223	0.4782	0.2192
1388	18.2	18	0.4729	2.4201	0.2277	3.1207	-0.2734	0.0252	0.4651	0.2168
1389	18	18.1	0.4731	2.42	0.228	3.1211	-0.255	0.0257	0.4496	0.2203
1390	17	18.2	0.4729	2.4199	0.2275	3.1203	-0.2326	0.0215	0.4336	0.2226
1391	16.9	18.2	0.474	2.4198	0.2265	3.1204	-0.2242	0.0175	0.4368	0.2301
1392	17.8	18.3	0.4748	2.4198	0.2263	3.1208	-0.2149	0.0153	0.4461	0.2465
1393	18.2	18.3	0.4757	2.4201	0.225	3.1208	-0.1935	0.0128	0.4408	0.2601
1394	18.6	18.3	0.4765	2.4203	0.2248	3.1216	-0.1737	0.0121	0.4306	0.269
1395	18.4	18.4	0.4768	2.4204	0.225	3.1222	-0.1763	0.0109	0.4257	0.2603
1396	18.4	18.4	0.4785	2.4208	0.2225	3.1218	-0.172	0.009	0.4261	0.2631
1397	17.4	18.4	0.4806	2.4212	0.2197	3.1215	-0.1628	0.0077	0.4292	0.274

1398	19.3	18.4	0.4808	2.4213	0.2188	3.1209	-0.1512	0.0053	0.4464	0.3004
1399	19.5	18.4	0.4823	2.4209	0.218	3.1212	-0.1294	0.0072	0.4316	0.3094
1400	19.4	18.5	0.4817	2.4207	0.2187	3.1211	-0.1601	0.0083	0.4622	0.3105
1401	18.8	18.6	0.4815	2.4204	0.219	3.1209	-0.1558	0.0122	0.4665	0.3229
1402	19.4	18.6	0.4818	2.4202	0.2187	3.1206	-0.17	0.0238	0.4765	0.3304
1403	18.8	18.6	0.4825	2.4198	0.2184	3.1207	-0.1733	0.0317	0.4638	0.3222
1404	18.9	18.5	0.4836	2.4196	0.2174	3.1206	-0.1491	0.04	0.4273	0.3182
1405	19.1	18.5	0.4844	2.4193	0.217	3.1206	-0.0557	0.0489	0.3274	0.3206
1406	18.1	18.5	0.4845	2.4196	0.2163	3.1203	-0.0206	0.0547	0.2719	0.306
1407	18.2	18.6	0.4838	2.4196	0.2161	3.1195	-0.033	0.0579	0.2801	0.305
1408	17.8	18.5	0.4827	2.4193	0.2167	3.1187	-0.0469	0.0508	0.2943	0.2981
1409	18	18.5	0.4816	2.4191	0.2174	3.1182	-0.0567	0.0387	0.3133	0.2952
1410	18.7	18.4	0.4808	2.4187	0.218	3.1175	-0.0512	0.0357	0.3182	0.3027
1411	18.4	18.4	0.4805	2.4184	0.2179	3.1167	-0.0324	0.0278	0.3108	0.3062
1412	18.1	18.3	0.4808	2.4183	0.2165	3.1156	-0.0022	0.0215	0.2972	0.3164
1413	17.5	18.3	0.4813	2.4178	0.2166	3.1157	0.0285	0.019	0.2702	0.3177
1414	18.5	18.2	0.4821	2.4172	0.2159	3.1151	0.0558	0.018	0.2565	0.3302
1415	18.4	18	0.4827	2.4166	0.2154	3.1147	0.0636	0.0233	0.2596	0.3465
1416	18.5	18	0.4822	2.4162	0.2159	3.1142	0.0841	0.0276	0.2487	0.3605
1417	18.6	17.9	0.4819	2.4161	0.215	3.1129	0.1223	0.0307	0.213	0.3659
1418	17.9	17.9	0.4817	2.4161	0.2151	3.1128	0.1116	0.0459	0.2183	0.3758
1419	18.3	18	0.4814	2.4156	0.2156	3.1126	0.0716	0.0565	0.2443	0.3723
1420	18.7	17.9	0.4805	2.4159	0.2166	3.113	0.0399	0.0557	0.2756	0.3712
1421	18.3	17.9	0.4794	2.4165	0.2171	3.113	0.0697	0.0511	0.2506	0.3714
1422	17.6	17.9	0.4797	2.4166	0.2166	3.1129	0.0997	0.0491	0.1981	0.347
1423	16.7	18	0.4805	2.4168	0.2162	3.1136	0.1098	0.0533	0.1631	0.3262
1424	16.5	18	0.4811	2.4168	0.2161	3.114	0.104	0.0554	0.1582	0.3176
1425	17.4	18	0.4817	2.4166	0.2152	3.1135	0.0881	0.0445	0.163	0.2956
1426	17.2	18	0.4814	2.4165	0.215	3.1128	0.0831	0.0363	0.1653	0.2847
1427	17.7	17.9	0.4808	2.4162	0.2155	3.1125	0.0829	0.0304	0.1724	0.2856
1428	18.2	17.9	0.4804	2.4162	0.2156	3.1122	0.0775	0.0263	0.1865	0.2903
1429	17.8	17.9	0.4801	2.4164	0.2148	3.1113	0.0776	0.0239	0.189	0.2905
1430	18.6	17.8	0.4796	2.4166	0.2152	3.1114	0.0732	0.0222	0.1758	0.2713
1431	18.7	17.8	0.4793	2.4171	0.2155	3.1119	0.0807	0.0223	0.1571	0.2601
1432	18	17.9	0.4777	2.4172	0.2165	3.1114	0.0788	0.0222	0.1549	0.2559
1433	19.4	18	0.4777	2.4173	0.2166	3.1116	0.0734	0.0201	0.1607	0.2542
1434	18	18.1	0.4776	2.4177	0.2172	3.1125	0.0595	0.0217	0.1683	0.2495

1435	17.7	18.1	0.4796	2.4177	0.2151	3.1124	0.0765	0.0271	0.1373	0.2409
1436	17.5	18.2	0.4797	2.4176	0.2149	3.1122	0.0917	0.034	0.1179	0.2435
1437	17.4	18.3	0.4793	2.4177	0.2147	3.1117	0.0741	0.0326	0.1197	0.2264
1438	18.3	18.3	0.4786	2.4178	0.215	3.1113	0.0677	0.0292	0.1188	0.2158
1439	18.2	18.3	0.4783	2.418	0.2149	3.1111	0.0778	0.027	0.1103	0.2151
1440	17.8	18.3	0.4774	2.4181	0.2149	3.1104	0.0786	0.0262	0.1104	0.2152
1441	18.3	18.3	0.4762	2.4183	0.2149	3.1094	0.0762	0.0267	0.1166	0.2194
1442	18.5	18.3	0.4751	2.4184	0.2145	3.108	0.0858	0.0264	0.1133	0.2255
1443	18.9	18.2	0.4736	2.4183	0.2145	3.1065	0.0976	0.0242	0.1093	0.2311
1444	18.6	18.2	0.4735	2.4186	0.2143	3.1063	0.1094	0.0252	0.0955	0.2301
1445	18.7	18.3	0.4736	2.4188	0.2134	3.1058	0.1238	0.0259	0.0936	0.2434
1446	18.7	18.3	0.4732	2.4188	0.2132	3.1053	0.129	0.0241	0.1001	0.2532
1447	18.2	18.3	0.4737	2.4189	0.2114	3.104	0.1477	0.0255	0.0841	0.2572
1448	18.9	18.3	0.4758	2.4188	0.2083	3.103	0.1694	0.0283	0.0704	0.2682
1449	18.2	18.3	0.4799	2.4186	0.2042	3.1027	0.1771	0.0267	0.0731	0.2769
1450	18.5	18.3	0.4791	2.418	0.2047	3.1018	0.2196	0.0269	0.0502	0.2967
1451	17.9	18.3	0.4792	2.4171	0.2052	3.1014	0.2362	0.032	0.0481	0.3162
1452	18.1	18.3	0.4782	2.4164	0.2065	3.1012	0.24	0.0358	0.0479	0.3237
1453	18.3	18.3	0.4765	2.4156	0.2083	3.1005	0.2552	0.0427	0.0387	0.3366
1454	17.9	18.3	0.4674	2.4148	0.2179	3.1001	0.2827	0.0425	0.0244	0.3496
1455	17.7	18.3	0.4642	2.4141	0.2218	3.1001	0.2887	0.0332	0.0122	0.3341
1456	18.1	18.3	0.4667	2.4138	0.2199	3.1004	0.2822	0.0236	0.011	0.3168
1457	18.6	18.3	0.4684	2.4147	0.2181	3.1012	0.256	0.0216	0.0249	0.3025
1458	18.4	18.2	0.4692	2.4158	0.2165	3.1016	0.2317	0.0168	0.0463	0.2948
1459	17.8	18.2	0.4684	2.4163	0.2165	3.1012	0.2095	0.0107	0.0689	0.2891
1460	17.8	18.2	0.4662	2.4169	0.2181	3.1012	0.1953	0.0025	0.0784	0.2761
1461	18	18.2	0.4648	2.4175	0.2183	3.1005	0.1953	-0.0054	0.083	0.2729
1462	18.6	18.2	0.4639	2.4177	0.2182	3.0998	0.216	-0.0073	0.0602	0.2689
1463	18.6	18.2	0.4632	2.4179	0.217	3.0981	0.2133	-0.0054	0.0463	0.2542
1464	18.9	18.2	0.4632	2.4175	0.2157	3.0964	0.2233	-0.0117	0.0345	0.2461
1465	18.5	18.2	0.4608	2.417	0.2172	3.0949	0.2444	-0.0205	0.0169	0.2409
1466	18.7	18.2	0.4574	2.4165	0.2205	3.0944	0.2637	-0.0283	0.0018	0.2372
1467	17.3	18.2	0.4574	2.4153	0.2209	3.0936	0.2685	-0.0354	0.0005	0.2336
1468	18.7	18.2	0.4595	2.4141	0.2203	3.0939	0.2657	-0.038	-0.0067	0.221
1469	17.9	18.2	0.4627	2.4138	0.2171	3.0936	0.2542	-0.0376	0.0014	0.2179
1470	17.6	18.1	0.4633	2.414	0.2167	3.094	0.2424	-0.0426	0.0158	0.2156
1471	17.9	18.1	0.4638	2.4141	0.2173	3.0952	0.2321	-0.0412	0.03	0.2209

1472	18.3	18	0.4641	2.4139	0.2182	3.0962	0.2241	-0.0405	0.0386	0.2223
1473	18	17.8	0.4656	2.4137	0.2172	3.0965	0.2317	-0.0385	0.0338	0.227
1474	18.3	17.7	0.4675	2.4144	0.2161	3.098	0.2464	-0.0368	0.0294	0.239
1475	18.5	17.6	0.468	2.4153	0.216	3.0992	0.2558	-0.0403	0.0368	0.2523
1476	18.2	17.5	0.4671	2.4158	0.2162	3.0991	0.2747	-0.0439	0.0242	0.255
1477	18	17.4	0.4668	2.4162	0.2155	3.0986	0.2849	-0.0482	0.0102	0.2469
1478	17.5	17.4	0.467	2.4169	0.2143	3.0982	0.2849	-0.0509	0.0209	0.2549
1479	17.2	17.4	0.4655	2.4174	0.2155	3.0984	0.2597	-0.0519	0.0485	0.2563
1480	17	17.4	0.463	2.4175	0.2181	3.0986	0.2464	-0.0527	0.0543	0.248
1481	16.2	17.4	0.4616	2.4178	0.2192	3.0986	0.2443	-0.0478	0.0631	0.2596
1482	16.2	17.3	0.4615	2.4181	0.2193	3.0988	0.2371	-0.0422	0.0738	0.2687
1483	16.7	17.3	0.4634	2.418	0.2177	3.0991	0.2046	-0.0413	0.1049	0.2682
1484	15.7	17.3	0.4626	2.4175	0.2187	3.0988	0.1902	-0.0376	0.1197	0.2723
1485	16.5	17.3	0.4623	2.4169	0.2188	3.098	0.1823	-0.0323	0.1286	0.2786
1486	17.2	17.3	0.4644	2.4172	0.2177	3.0994	0.2097	-0.0323	0.102	0.2795
1487	17.3	17.3	0.4652	2.4174	0.2167	3.0992	0.2251	-0.0309	0.0875	0.2816
1488	17.8	17.3	0.4651	2.4174	0.2167	3.0992	0.2091	-0.0273	0.0863	0.2681
1489	17.9	17.3	0.4652	2.4174	0.217	3.0995	0.1691	-0.0244	0.1028	0.2475
1490	17.6	17.4	0.4653	2.4172	0.2158	3.0983	0.162	-0.0223	0.1014	0.2411
1491	17.8	17.5	0.4655	2.4172	0.2152	3.0979	0.1676	-0.0195	0.0902	0.2384
1492	17.6	17.6	0.465	2.4174	0.2153	3.0977	0.177	-0.0167	0.082	0.2423
1493	17.9	17.7	0.4648	2.4175	0.2155	3.0978	0.1754	-0.0162	0.076	0.2352
1494	17.7	17.9	0.4641	2.4177	0.2154	3.0973	0.1629	-0.0139	0.0681	0.2172
1495	18	17.9	0.4639	2.418	0.215	3.0968	0.1611	-0.0113	0.0732	0.2229
1496	18.3	18	0.4638	2.4182	0.2141	3.096	0.177	-0.0093	0.0608	0.2285
1497	18.1	18	0.4637	2.4184	0.2126	3.0947	0.1958	-0.0075	0.0432	0.2314
1498	17.9	18	0.4631	2.4186	0.2115	3.0932	0.207	-0.005	0.0194	0.2213
1499	18.1	18	0.4603	2.4182	0.2129	3.0915	0.2215	-0.0052	-0.0066	0.2096
1500	17.9	18	0.458	2.4175	0.2139	3.0895	0.256	-0.0068	-0.0414	0.2078
1501	18.6	18	0.4575	2.4169	0.2142	3.0886	0.2442	-0.0114	-0.0312	0.2016
1502	18.8	18	0.4562	2.416	0.2148	3.087	0.2429	-0.0206	-0.0252	0.1971
1503	17.9	18	0.4542	2.4156	0.2159	3.0857	0.2353	-0.032	-0.0098	0.1935
1504	17.4	17.9	0.4547	2.4163	0.2162	3.0872	0.2143	-0.041	0.014	0.1872
1505	18.8	17.8	0.4561	2.4169	0.2159	3.0889	0.1087	-0.05	0.1316	0.1903
1506	18	17.7	0.4589	2.4174	0.2138	3.0901	0.0727	-0.0574	0.1756	0.1909
1507	17.5	17.6	0.4606	2.4179	0.2115	3.09	0.1023	-0.0592	0.1529	0.196
1508	17.1	17.4	0.4617	2.4183	0.2098	3.0898	0.1384	-0.0508	0.1187	0.2063

1509	18.5	17.3	0.4621	2.4189	0.2096	3.0905	0.1513	-0.038	0.1041	0.2173
1510	18.3	17.2	0.4613	2.4193	0.2097	3.0902	0.1258	-0.0337	0.118	0.21
1511	17.4	17.1	0.4589	2.4191	0.2119	3.0899	0.1034	-0.026	0.1365	0.214
1512	17	17	0.4594	2.4189	0.2119	3.0902	0.1284	-0.0188	0.1012	0.2108
1513	16.6	16.9	0.459	2.4189	0.2131	3.0911	0.1463	-0.0148	0.0745	0.206
1514	16	16.9	0.4577	2.4192	0.2142	3.0911	0.147	-0.0132	0.0615	0.1952
1515	16	16.9	0.4563	2.4194	0.2152	3.091	0.143	-0.0171	0.0569	0.1828
1516	15.6	16.9	0.4553	2.4197	0.2158	3.0908	0.1055	-0.0209	0.0888	0.1734
1517	15.4	17	0.4553	2.4199	0.2157	3.0908	0.0531	-0.0237	0.1402	0.1695
1518	16	17	0.4562	2.4199	0.2149	3.091	0.0513	-0.0372	0.1504	0.1645
1519	16.4	17	0.4572	2.4198	0.2141	3.091	0.0918	-0.0505	0.1373	0.1786
1520	16.2	17	0.4573	2.42	0.2136	3.0909	0.1437	-0.0519	0.0938	0.1856
1521	16.6	17	0.457	2.4205	0.2133	3.0908	0.1554	-0.0491	0.0855	0.1918
1522	17.2	17.1	0.4565	2.4205	0.2132	3.0902	0.1501	-0.0463	0.0999	0.2036
1523	17.5	17.1	0.4559	2.4205	0.2133	3.0897	0.1322	-0.0446	0.1251	0.2127
1524	18.1	17.2	0.4555	2.4209	0.2124	3.0888	0.1336	-0.0448	0.1277	0.2165
1525	17.8	17.3	0.4542	2.421	0.2128	3.088	0.1552	-0.0392	0.1182	0.2341
1526	18.5	17.4	0.4529	2.4213	0.2139	3.0881	0.1701	-0.0318	0.1146	0.2529
1527	18.6	17.5	0.4523	2.4213	0.2134	3.087	0.1697	-0.028	0.1177	0.2594
1528	18.6	17.6	0.4544	2.4214	0.2107	3.0866	0.1659	-0.0249	0.1162	0.2572
1529	17.7	17.7	0.4554	2.4217	0.2094	3.0865	0.1692	-0.0186	0.1062	0.2569
1530	17.8	17.7	0.4552	2.4214	0.2089	3.0855	0.1498	-0.0133	0.1206	0.2571
1531	17.7	17.7	0.4556	2.4213	0.2081	3.0851	0.1261	-0.0133	0.1382	0.251
1532	17.6	17.7	0.4572	2.4213	0.206	3.0846	0.1094	-0.0097	0.1491	0.2487
1533	17.4	17.7	0.4587	2.4211	0.2046	3.0844	0.1064	-0.0038	0.15	0.2527
1534	17.3	17.6	0.4594	2.421	0.2043	3.0847	0.1188	-0.0024	0.1425	0.2589
1535	17.6	17.5	0.4586	2.4209	0.2049	3.0844	0.111	-0.0002	0.155	0.2658
1536	18	17.4	0.4572	2.4207	0.2061	3.084	0.1157	-0.0059	0.1492	0.259
1537	18.1	17.3	0.4584	2.4204	0.2061	3.0849	0.1462	0.0016	0.1326	0.2804
1538	17.7	17.2	0.4617	2.4202	0.2047	3.0866	0.1433	0.0049	0.1329	0.2811
1539	16.8	17.1	0.4621	2.4202	0.2048	3.087	0.1346	0.0068	0.1438	0.2853
1540	15.9	17	0.4607	2.4201	0.2059	3.0866	0.1405	0.0075	0.1458	0.2937
1541	17	16.9	0.4585	2.42	0.2067	3.0852	0.1371	0.0048	0.1336	0.2755
1542	17.4	16.8	0.4576	2.42	0.2069	3.0845	0.1253	0.0035	0.1367	0.2655
1543	17.1	16.7	0.4573	2.4197	0.2077	3.0848	0.1173	0.0028	0.1475	0.2675
1544	16.5	16.7	0.4574	2.4197	0.2069	3.0841	0.12	0.002	0.1525	0.2745
1545	16.5	16.6	0.4559	2.4197	0.2073	3.083	0.1232	0.004	0.1527	0.2798

1546	16.3	16.5	0.4537	2.4196	0.2089	3.0821	0.1318	0.0081	0.1451	0.285
1547	16	16.4	0.453	2.4194	0.2094	3.0819	0.1423	0.0092	0.1347	0.2862
1548	15.8	16.4	0.4537	2.4193	0.209	3.082	0.1463	0.0094	0.119	0.2747
1549	15.9	16.4	0.4543	2.4193	0.2084	3.0819	0.1669	0.0143	0.0902	0.2713
1550	16	16.4	0.4547	2.4191	0.2078	3.0816	0.1407	0.0101	0.1101	0.2609
1551	15.8	16.3	0.4549	2.4192	0.2077	3.0817	0.1335	0.0012	0.1117	0.2464
1552	16	16.3	0.4547	2.4196	0.2075	3.0818	0.129	-0.0055	0.1211	0.2445
1553	15.9	16.3	0.4551	2.4197	0.2069	3.0818	0.1108	-0.0172	0.1334	0.227
1554	16.1	16.3	0.4566	2.4198	0.2047	3.0811	0.103	-0.0206	0.1363	0.2187
1555	16.6	16.3	0.4569	2.4198	0.2043	3.081	0.1198	-0.0142	0.1309	0.2364
1556	16.3	16.3	0.4564	2.4197	0.2046	3.0808	0.1297	-0.0073	0.128	0.2503
1557	16.9	16.3	0.4545	2.4198	0.2062	3.0805	0.1317	0.0004	0.1217	0.2539
1558	16.8	16.4	0.4541	2.4197	0.2061	3.0798	0.136	0.0059	0.1011	0.2429
1559	16.4	16.5	0.4558	2.4197	0.2047	3.0802	0.1371	0.0096	0.0851	0.2318
1560	16.2	16.6	0.4559	2.4195	0.2045	3.0799	0.1194	0.0166	0.1041	0.2401
1561	16.3	16.6	0.4519	2.4193	0.2081	3.0794	0.1117	0.0205	0.1137	0.2459
1562	16.6	16.7	0.4493	2.4192	0.2107	3.0792	0.0962	0.0187	0.1237	0.2387
1563	16.7	16.7	0.4485	2.4192	0.2109	3.0786	0.1204	0.0143	0.1038	0.2385
1564	16.7	16.8	0.4489	2.4192	0.21	3.0781	0.1069	0.0132	0.1332	0.2533
1565	16.3	16.8	0.4503	2.419	0.2083	3.0776	0.0935	0.0151	0.1433	0.2519
1566	16.7	16.9	0.4521	2.4189	0.2065	3.0774	0.0876	0.0183	0.1486	0.2545
1567	17.5	16.9	0.4523	2.419	0.2059	3.0772	0.0904	0.0239	0.1292	0.2435
1568	17.5	16.9	0.4503	2.4191	0.2066	3.076	0.0849	0.0269	0.1246	0.2363
1569	17.4	16.9	0.4484	2.419	0.2077	3.0751	0.083	0.0242	0.1261	0.2334
1570	17.4	16.9	0.4477	2.4189	0.2082	3.0748	0.0668	0.0241	0.1439	0.2348
1571	16.8	16.9	0.4488	2.4187	0.2073	3.0748	0.0609	0.0282	0.1477	0.2369
1572	16.6	16.9	0.4509	2.4183	0.2057	3.0749	0.0555	0.0347	0.1517	0.2419
1573	16.9	16.8	0.4522	2.4181	0.2045	3.0748	0.0607	0.0344	0.149	0.2441
1574	17.1	16.7	0.452	2.4183	0.2043	3.0745	0.0613	0.0353	0.1427	0.2393
1575	17.3	16.7	0.451	2.4184	0.2045	3.0739	0.0459	0.0369	0.1387	0.2215
1576	17.1	16.7	0.4501	2.4186	0.2045	3.0732	0.0147	0.0364	0.1554	0.2065
1577	16.6	16.7	0.4502	2.4187	0.2039	3.0729	-0.0047	0.0397	0.1719	0.2069
1578	16.8	16.6	0.4501	2.4188	0.2037	3.0725	-0.0014	0.0397	0.1642	0.2025
1579	16.6	16.6	0.4505	2.4187	0.2034	3.0727	0.0282	0.0407	0.1391	0.208
1580	16	16.6	0.4504	2.4188	0.2043	3.0735	0.039	0.0423	0.13	0.2114
1581	16.2	16.6	0.4507	2.4187	0.2043	3.0738	0.0394	0.0357	0.1269	0.2021
1582	15.7	16.6	0.4508	2.4185	0.2043	3.0736	0.0349	0.0327	0.1281	0.1956

1583	15.5	16.6	0.4515	2.4182	0.2035	3.0732	0.0377	0.032	0.1225	0.1922
1584	16.4	16.5	0.4515	2.4175	0.2032	3.0722	0.0531	0.0296	0.1219	0.2046
1585	16.8	16.4	0.4507	2.4175	0.2039	3.0721	0.0626	0.0263	0.1195	0.2084
1586	16.5	16.4	0.4498	2.417	0.2045	3.0713	0.0571	0.0255	0.1246	0.2072
1587	16.5	16.4	0.4508	2.4169	0.2034	3.0711	0.0366	0.023	0.1466	0.2062
1588	16.8	16.4	0.4516	2.4167	0.2023	3.0707	0.0431	0.0186	0.1654	0.227
1589	16.9	16.4	0.4511	2.4167	0.2024	3.0702	0.0672	0.0156	0.1566	0.2394
1590	16.8	16.4	0.4516	2.4168	0.2024	3.0708	0.0822	0.0187	0.1558	0.2566
1591	16.7	16.5	0.4529	2.4168	0.2015	3.0713	0.0773	0.0158	0.1531	0.2463
1592	16.4	16.6	0.4533	2.4171	0.2006	3.071	0.0843	0.0139	0.1456	0.2438
1593	15.8	16.7	0.4528	2.4173	0.2002	3.0703	0.096	0.012	0.1216	0.2297
1594	15.7	16.7	0.4518	2.4173	0.2002	3.0693	0.0942	0.008	0.1313	0.2335
1595	16.5	16.7	0.4507	2.4172	0.2005	3.0683	0.0909	0.0056	0.1348	0.2313
1596	17.1	16.7	0.4495	2.4173	0.2006	3.0674	0.0944	0.0038	0.1239	0.2221
1597	17.1	16.7	0.449	2.4174	0.2007	3.0672	0.0742	-0.0006	0.1422	0.2158
1598	16.7	16.7	0.4464	2.4172	0.2025	3.0661	0.0579	-0.0046	0.1594	0.2127
1599	16.4	16.7	0.4463	2.4172	0.2019	3.0654	0.0549	-0.0049	0.1665	0.2165
1600	17.6	16.7	0.4447	2.4174	0.2028	3.0649	0.0551	-0.0018	0.169	0.2223
1601	17.2	16.7	0.4446	2.4174	0.2021	3.0641	0.0466	0.0032	0.1678	0.2176
1602	16.9	16.7	0.4452	2.4177	0.2015	3.0643	0.0365	0.0085	0.176	0.221
1603	17.3	16.7	0.4439	2.4176	0.2023	3.0639	0.0217	0.0124	0.2043	0.2384
1604	17	16.7	0.4427	2.4177	0.2031	3.0636	0.027	0.0097	0.1979	0.2346
1605	16.7	16.7	0.4432	2.4176	0.2031	3.0639	0.0487	0.0081	0.1662	0.2229
1606	16.6	16.7	0.4457	2.4174	0.2017	3.0647	0.0605	0.0089	0.1598	0.2293
1607	16.5	16.7	0.447	2.4173	0.2014	3.0657	0.0783	0.0074	0.1434	0.2291
1608	16.5	16.7	0.448	2.4173	0.2013	3.0666	0.0626	0.0104	0.1558	0.2288
1609	16.8	16.7	0.4501	2.4172	0.1992	3.0665	0.0555	0.0111	0.1629	0.2296
1610	16.8	16.6	0.4501	2.4172	0.1983	3.0657	0.0546	0.01	0.1668	0.2315
1611	16.2	16.6	0.4493	2.4173	0.1995	3.066	0.0382	0.009	0.1795	0.2267
1612	16.1	16.6	0.4474	2.4174	0.2015	3.0663	0.0019	0.0079	0.2203	0.2301
1613	16.1	16.5	0.4483	2.4176	0.1998	3.0657	-0.0169	0.0043	0.2449	0.2323
1614	16.2	16.5	0.4483	2.4177	0.1998	3.0659	-0.0308	0.0042	0.254	0.2274
1615	16.8	16.5	0.4476	2.4176	0.2003	3.0655	-0.0404	0.0043	0.262	0.2259
1616	16.4	16.5	0.4463	2.4173	0.2029	3.0665	-0.0294	0.0054	0.2419	0.2179
1617	16.5	16.5	0.4468	2.4172	0.2032	3.0672	-0.0114	0.0029	0.2284	0.22
1618	16.8	16.5	0.4479	2.4174	0.2023	3.0677	-0.0059	0.0067	0.2161	0.2169
1619	16.8	16.5	0.4505	2.4174	0.1997	3.0676	-0.0203	0.0078	0.2128	0.2003

1620	16.3	16.5	0.4512	2.4172	0.1989	3.0672	-0.0159	0.0083	0.2197	0.2121
1621	16.2	16.6	0.4515	2.417	0.1981	3.0666	-0.0016	0.0099	0.2129	0.2212
1622	16.1	16.5	0.4504	2.4171	0.1983	3.0658	0.0161	0.0079	0.1895	0.2135
1623	16.3	16.5	0.4498	2.417	0.199	3.0658	0.0381	0.0008	0.1731	0.212
1624	16.6	16.4	0.4509	2.4172	0.1985	3.0667	0.0385	-0.0027	0.1755	0.2113
1625	16.8	16.4	0.4527	2.4173	0.1973	3.0674	0.0309	-0.0022	0.1806	0.2094
1626	17	16.4	0.4534	2.4173	0.1967	3.0675	0.0176	-0.0006	0.1918	0.2088
1627	17	16.4	0.4524	2.4174	0.197	3.0668	0.0162	0.0035	0.1839	0.2036
1628	17.2	16.4	0.4516	2.4173	0.1968	3.0657	0.0304	0.0063	0.1734	0.2102
1629	17.1	16.4	0.4515	2.4175	0.1964	3.0654	0.0306	0.0082	0.1751	0.2139
1630	16.5	16.4	0.4512	2.4178	0.1962	3.0653	0.0181	0.0089	0.1879	0.2148
1631	15.6	16.4	0.4521	2.4181	0.1953	3.0655	-0.0017	0.0093	0.218	0.2256
1632	14.9	16.4	0.4535	2.4181	0.1938	3.0654	0.001	0.0098	0.2287	0.2395
1633	15.6	16.3	0.4534	2.4181	0.1924	3.0639	0.0155	0.0086	0.2248	0.2489
1634	16.3	16.3	0.4531	2.4183	0.1924	3.0638	0.0107	0.0051	0.2314	0.2473
1635	16.4	16.2	0.4529	2.4184	0.1924	3.0637	0.0098	-0.0039	0.2232	0.2292
1636	16.5	16.1	0.4535	2.4184	0.1915	3.0634	0.0604	-0.003	0.1717	0.2291
1637	16.7	16	0.4541	2.4185	0.1896	3.0622	0.0542	-0.0087	0.1747	0.2202
1638	16.3	15.9	0.455	2.4186	0.189	3.0627	0.0632	-0.014	0.1746	0.2239
1639	16.2	15.8	0.4538	2.4183	0.1892	3.0614	0.0857	-0.0177	0.1518	0.2197
1640	16.1	15.8	0.4529	2.4185	0.1905	3.062	0.088	-0.0213	0.1377	0.2044
1641	16.1	15.8	0.4501	2.4186	0.1921	3.0608	0.0873	-0.0205	0.1466	0.2134
1642	15.4	15.8	0.448	2.4188	0.1947	3.0615	0.0975	-0.0177	0.1402	0.22
1643	16.3	15.8	0.4479	2.4189	0.1946	3.0614	0.11	-0.0153	0.1149	0.2096
1644	15.3	15.7	0.4483	2.4192	0.1935	3.0609	0.1039	-0.0161	0.1127	0.2005
1645	15.1	15.7	0.4465	2.4194	0.1949	3.0607	0.0908	-0.0201	0.1195	0.1902
1646	15.2	15.6	0.4462	2.4196	0.1946	3.0605	0.0804	-0.0236	0.1237	0.1804
1647	15.2	15.5	0.4472	2.4198	0.1935	3.0606	0.0778	-0.0224	0.1181	0.1736
1648	15.2	15.5	0.4482	2.4198	0.1924	3.0604	0.0724	-0.0207	0.1223	0.1741
1649	15.3	15.5	0.4488	2.4194	0.1915	3.0597	0.043	-0.0244	0.1446	0.1631
1650	15.4	15.5	0.45	2.4188	0.191	3.0599	0.0536	-0.0261	0.1335	0.161
1651	15.3	15.5	0.4512	2.4183	0.1901	3.0596	0.0369	-0.0263	0.1514	0.162
1652	15.3	15.6	0.4525	2.4184	0.1871	3.058	0.0172	-0.0286	0.1623	0.1509
1653	15.7	15.6	0.4524	2.4187	0.1871	3.0583	0.0236	-0.0277	0.1587	0.1546
1654	15.3	15.7	0.4517	2.419	0.1881	3.0588	0.0277	-0.0272	0.1629	0.1635
1655	15.2	15.8	0.4509	2.4189	0.1883	3.0581	0.0161	-0.0235	0.1787	0.1713
1656	15.5	15.9	0.4486	2.419	0.1903	3.0578	0.0067	-0.0235	0.1948	0.178

1657	15.6	16	0.4483	2.4187	0.1907	3.0577	0.007	-0.0252	0.2003	0.182
1658	15.9	16.1	0.4485	2.4185	0.1898	3.0569	0.0214	-0.021	0.1928	0.1932
1659	16.1	16.2	0.4503	2.4187	0.188	3.057	0.0339	-0.0181	0.1902	0.2061
1660	16.4	16.3	0.4521	2.4186	0.1865	3.0572	0.0697	-0.0172	0.1672	0.2197
1661	16.5	16.4	0.4517	2.4186	0.1861	3.0564	0.0942	-0.0146	0.1427	0.2224
1662	16.4	16.4	0.451	2.4187	0.1862	3.0559	0.0883	-0.0104	0.1577	0.2355
1663	16.8	16.5	0.4516	2.4188	0.1855	3.0558	0.0684	-0.0083	0.1863	0.2464
1664	17.3	16.6	0.4529	2.4188	0.1838	3.0555	0.0919	-0.0075	0.1646	0.249
1665	17.4	16.6	0.4532	2.4185	0.1841	3.0558	0.0981	-0.0077	0.159	0.2493
1666	17.9	16.7	0.4532	2.4186	0.1836	3.0554	0.0886	-0.0096	0.1601	0.2391
1667	17.2	16.8	0.4529	2.4183	0.1843	3.0555	0.0793	-0.0148	0.1818	0.2463
1668	17.2	16.8	0.4524	2.4184	0.1853	3.056	0.0785	-0.0188	0.1962	0.256
1669	17.1	16.8	0.45	2.4182	0.1857	3.0538	0.0719	-0.0167	0.2075	0.2626
1670	16.7	16.8	0.4479	2.4179	0.1869	3.0527	0.093	-0.0162	0.1879	0.2647
1671	16.4	16.8	0.4472	2.4179	0.1884	3.0535	0.1126	-0.0199	0.1768	0.2695
1672	16.7	16.8	0.4471	2.4182	0.1884	3.0537	0.1225	-0.0216	0.17	0.2709
1673	16.8	16.7	0.4484	2.4184	0.1869	3.0537	0.1079	-0.0197	0.1765	0.2646
1674	15.9	16.6	0.4489	2.4185	0.1862	3.0536	0.1057	-0.0212	0.169	0.2535
1675	16.8	16.5	0.4492	2.4185	0.1853	3.053	0.096	-0.0197	0.1748	0.251
1676	16.8	16.3	0.4485	2.4182	0.1861	3.0528	0.0805	-0.0199	0.1826	0.2432
1677	16.5	16.2	0.4472	2.4181	0.1866	3.0518	0.09	-0.0235	0.1751	0.2416
1678	16.3	16.1	0.447	2.418	0.1862	3.0512	0.1027	-0.0245	0.1584	0.2366
1679	16.4	16	0.4487	2.4178	0.1846	3.0512	0.1234	-0.0278	0.1309	0.2265
1680	16.8	16	0.4506	2.4179	0.1825	3.0509	0.1336	-0.0273	0.1182	0.2245
1681	16.2	15.9	0.4506	2.4178	0.1814	3.0498	0.1116	-0.0239	0.1503	0.238
1682	14.9	15.9	0.4493	2.4176	0.1818	3.0487	0.1121	-0.0213	0.1523	0.2431
1683	15.2	15.8	0.4504	2.4177	0.1803	3.0485	0.1301	-0.0191	0.1245	0.2355
1684	15.4	15.8	0.4505	2.4179	0.1809	3.0493	0.1173	-0.0176	0.1144	0.2141
1685	15.1	15.8	0.4447	2.4178	0.1867	3.0492	0.108	-0.0153	0.1242	0.2169
1686	15.4	15.8	0.4444	2.4179	0.187	3.0493	0.1077	-0.015	0.1289	0.2216
1687	15	15.7	0.4445	2.4183	0.1859	3.0487	0.11	-0.0153	0.13	0.2247
1688	15.1	15.6	0.4431	2.4185	0.1871	3.0487	0.1086	-0.0136	0.1217	0.2167
1689	15.6	15.5	0.4423	2.4188	0.1886	3.0497	0.1164	-0.0107	0.1167	0.2224
1690	15.4	15.4	0.4428	2.4188	0.1878	3.0494	0.1087	-0.0121	0.1145	0.2111
1691	15.8	15.4	0.4432	2.4186	0.1875	3.0493	0.1068	-0.0089	0.119	0.2169
1692	15.9	15.4	0.4423	2.4186	0.1891	3.05	0.0809	-0.0076	0.1286	0.2018
1693	16	15.4	0.4424	2.4189	0.189	3.0503	0.0574	-0.0056	0.1524	0.2042

1694	16.4	15.3	0.4427	2.4193	0.1882	3.0503	0.0582	-0.0072	0.1533	0.2043
1695	16.1	15.3	0.4426	2.4196	0.1881	3.0503	0.0628	-0.0051	0.1436	0.2012
1696	15.2	15.3	0.4418	2.4195	0.1888	3.0501	0.0208	0.001	0.168	0.1897
1697	14.7	15.3	0.4418	2.4195	0.1885	3.0498	0.0095	0.0104	0.1747	0.1946
1698	14.5	15.2	0.4421	2.4196	0.188	3.0498	-0.0062	0.0132	0.1771	0.184
1699	15	15.2	0.4409	2.4198	0.1886	3.0493	-0.0173	0.0136	0.1771	0.1734
1700	15.3	15.2	0.441	2.42	0.1876	3.0487	-0.0174	0.0128	0.1706	0.1661
1701	15.1	15.2	0.4429	2.4203	0.1858	3.049	0.0049	0.0081	0.1576	0.1706
1702	15	15.1	0.4428	2.4204	0.1856	3.0488	0.0275	0.0014	0.141	0.1698
1703	14.7	15.1	0.4412	2.4203	0.186	3.0475	0.0411	-0.0006	0.1124	0.153
1704	14.4	15	0.4411	2.4201	0.1852	3.0464	0.0427	0.0017	0.1142	0.1586
1705	14.8	15	0.4425	2.42	0.1836	3.0461	0.0358	0.0032	0.1319	0.1709
1706	15.1	15	0.445	2.4199	0.1816	3.0465	0.0194	0.0028	0.1496	0.1719
1707	14.5	15	0.4449	2.4194	0.1821	3.0464	-0.0212	0.003	0.1886	0.1704
1708	15.1	15	0.4446	2.4191	0.1823	3.046	-0.0311	0.0012	0.2027	0.1728
1709	15.2	15	0.4432	2.4189	0.1825	3.0446	-0.0138	-0.0017	0.1868	0.1713
1710	15.3	15	0.4407	2.4187	0.184	3.0434	0.0043	-0.0013	0.1802	0.1832
1711	15.1	14.9	0.4404	2.4183	0.1837	3.0424	0.0304	-0.003	0.1653	0.1927
1712	15.5	14.9	0.4406	2.4183	0.1829	3.0417	0.0301	-0.0067	0.1665	0.19
1713	15.3	14.9	0.4391	2.4184	0.1833	3.0408	0.0167	-0.0082	0.1727	0.1812
1714	15	14.9	0.4385	2.4185	0.1839	3.0409	0.0331	-0.009	0.1619	0.186
1715	15.1	14.8	0.4387	2.4186	0.1843	3.0416	0.0575	-0.0079	0.1441	0.1937
1716	14.9	14.8	0.4383	2.4188	0.1847	3.0418	0.0624	-0.0081	0.1488	0.2032
1717	14.7	14.8	0.4389	2.4191	0.1836	3.0416	0.0632	-0.0036	0.1436	0.2032
1718	14.8	14.7	0.4408	2.4191	0.1816	3.0414	0.0552	-0.0008	0.1487	0.2031
1719	14.6	14.7	0.4412	2.419	0.1809	3.0411	0.0404	0.0008	0.161	0.2023
1720	14.3	14.7	0.4399	2.4192	0.1812	3.0403	0.0112	-0.0063	0.1677	0.1726
1721	14.2	14.7	0.4392	2.4192	0.1811	3.0395	0.0035	-0.013	0.1792	0.1698
1722	14.4	14.6	0.4396	2.419	0.1807	3.0393	0.0035	-0.0168	0.1986	0.1854
1723	14.5	14.5	0.4392	2.4191	0.1821	3.0404	0.0132	-0.0147	0.1916	0.1901
1724	14.2	14.5	0.4413	2.4191	0.1811	3.0416	0.0292	-0.0148	0.1791	0.1936
1725	14.2	14.4	0.4447	2.4193	0.179	3.043	0.0232	-0.0116	0.1888	0.2004
1726	14.3	14.4	0.4443	2.4197	0.1792	3.0433	0.0214	-0.0053	0.1888	0.2049
1727	14.7	14.3	0.4422	2.4198	0.1811	3.0431	0.0008	0.0019	0.2024	0.2051
1728	14.7	14.3	0.4393	2.4201	0.1837	3.0431	-0.0243	0.0132	0.2117	0.2006
1729	14.8	14.2	0.4382	2.4202	0.1846	3.0429	-0.0381	0.0217	0.2118	0.1954
1730	14.3	14.2	0.4401	2.4202	0.1812	3.0415	-0.0336	0.0252	0.1993	0.1908

1731	14.1	14.2	0.4409	2.4202	0.1801	3.0412	-0.0115	0.0274	0.1736	0.1895
1732	14.3	14.2	0.4405	2.42	0.1813	3.0418	-0.0015	0.0266	0.1545	0.1796
1733	14.1	14.3	0.4416	2.4199	0.181	3.0425	-0.0161	0.0207	0.1586	0.1632
1734	13.9	14.4	0.4423	2.4199	0.18	3.0421	-0.0139	0.0167	0.1472	0.15
1735	13.8	14.4	0.4421	2.4199	0.1796	3.0416	-0.0191	0.0156	0.1561	0.1526
1736	13.9	14.5	0.4425	2.42	0.1785	3.0409	-0.0784	0.012	0.2096	0.1432
1737	14	14.5	0.4432	2.4199	0.1774	3.0405	-0.0702	0.013	0.2051	0.1479
1738	14	14.6	0.4434	2.4197	0.1773	3.0404	-0.069	0.0178	0.195	0.1438
1739	13.9	14.6	0.443	2.4195	0.1778	3.0403	-0.0942	0.0207	0.2136	0.1401
1740	14	14.6	0.4422	2.4194	0.1786	3.0403	-0.1079	0.0198	0.2368	0.1487
1741	14.7	14.7	0.442	2.4194	0.1793	3.0407	-0.1045	0.0134	0.2364	0.1453
1742	15.4	14.8	0.4423	2.4194	0.1795	3.0411	-0.0987	0.0087	0.2382	0.1482
1743	15.6	14.8	0.4421	2.4196	0.1793	3.041	-0.1061	0.0116	0.2536	0.1591
1744	15.1	14.9	0.442	2.4197	0.1791	3.0408	-0.1047	0.0199	0.244	0.1592
1745	15.5	15	0.4444	2.4193	0.1781	3.0418	-0.0986	0.0274	0.2256	0.1543
1746	15.7	15	0.4453	2.4186	0.1772	3.0411	-0.1017	0.0311	0.2266	0.156
1747	15.4	15.1	0.4479	2.4185	0.1758	3.0422	-0.1041	0.0288	0.237	0.1617
1748	15	15.1	0.4499	2.4184	0.1746	3.043	-0.0984	0.0271	0.23	0.1586
1749	15.2	15.1	0.4505	2.4181	0.1744	3.043	-0.0906	0.0294	0.2193	0.1582
1750	15.6	15.2	0.4495	2.418	0.1753	3.0428	-0.0991	0.0314	0.2287	0.161
1751	15.5	15.2	0.4485	2.4182	0.176	3.0426	-0.0847	0.0295	0.2173	0.1621
1752	15.6	15.2	0.4484	2.4184	0.1758	3.0427	-0.0664	0.0322	0.2015	0.1674
1753	15.1	15.2	0.4481	2.4186	0.1757	3.0424	-0.0682	0.0344	0.2009	0.1671
1754	15	15.3	0.4481	2.4187	0.1749	3.0417	-0.0857	0.0336	0.2073	0.1553
1755	15	15.4	0.449	2.4186	0.1733	3.0409	-0.087	0.0312	0.2016	0.1458
1756	14.7	15.4	0.4507	2.4187	0.1714	3.0408	-0.0733	0.0306	0.1863	0.1436
1757	15	15.4	0.4514	2.4186	0.1704	3.0404	-0.0477	0.0298	0.1674	0.1495
1758	14.7	15.5	0.4499	2.4187	0.1711	3.0397	-0.0493	0.0249	0.1744	0.15
1759	15.6	15.5	0.4499	2.4188	0.17	3.0387	-0.0528	0.0222	0.1782	0.1477
1760	15	15.5	0.449	2.4189	0.17	3.0379	-0.0694	0.0202	0.1823	0.1332
1761	15.2	15.5	0.4487	2.4192	0.1694	3.0374	-0.0973	0.0175	0.2018	0.122
1762	15.7	15.5	0.4493	2.4196	0.169	3.0378	-0.1016	0.0136	0.2002	0.1122
1763	16.4	15.5	0.4482	2.4197	0.1693	3.0372	-0.1012	0.0135	0.193	0.1053
1764	16.7	15.5	0.4472	2.4195	0.1694	3.0362	-0.119	0.0148	0.2006	0.0964
1765	16.4	15.4	0.447	2.4193	0.1692	3.0355	-0.1274	0.0161	0.21	0.0987
1766	16.1	15.4	0.4469	2.419	0.1693	3.0351	-0.1266	0.0174	0.217	0.1078
1767	16.1	15.4	0.4473	2.4184	0.1694	3.0352	-0.1326	0.0206	0.224	0.112

1768	16	15.3	0.4483	2.4183	0.1692	3.0358	-0.1268	0.0243	0.2131	0.1105
1769	15.3	15.3	0.4488	2.4188	0.1689	3.0366	-0.1063	0.0248	0.1912	0.1098
1770	14.9	15.2	0.4475	2.4192	0.1689	3.0357	-0.1025	0.0242	0.185	0.1068
1771	15.2	15.2	0.4468	2.4196	0.1685	3.035	-0.1196	0.0263	0.1911	0.0978
1772	15	15.2	0.4458	2.4197	0.1692	3.0347	-0.1298	0.0267	0.1928	0.0897
1773	14.9	15.2	0.4454	2.4199	0.169	3.0343	-0.1263	0.0251	0.1893	0.088
1774	14.6	15.1	0.4465	2.4197	0.1674	3.0336	-0.1336	0.0263	0.2108	0.1034
1775	14.2	15.1	0.4471	2.419	0.1664	3.0325	-0.107	0.0272	0.1996	0.1199
1776	14	15.1	0.4484	2.418	0.1658	3.0323	-0.0641	0.0302	0.1751	0.1412
1777	14.2	15	0.4496	2.4168	0.1654	3.0318	-0.0693	0.0355	0.1805	0.1467
1778	14.3	15	0.4509	2.4158	0.165	3.0316	-0.1003	0.0373	0.2089	0.146
1779	14.5	15	0.4521	2.4153	0.1647	3.0321	-0.1415	0.0417	0.2478	0.148
1780	15.1	15	0.4517	2.4151	0.1651	3.032	-0.1593	0.0439	0.2629	0.1475
1781	15.3	15	0.4507	2.4151	0.166	3.0319	-0.1346	0.0446	0.2188	0.1288
1782	15.7	15	0.4509	2.4155	0.1659	3.0323	-0.1242	0.0452	0.2058	0.1269
1783	15.4	15	0.4518	2.4161	0.1656	3.0335	-0.1326	0.0436	0.227	0.1379
1784	15.8	15.1	0.4524	2.4163	0.1653	3.034	-0.1169	0.0415	0.2254	0.15
1785	15.9	15.2	0.4525	2.4166	0.1657	3.0349	-0.1084	0.0422	0.2133	0.1471
1786	15.4	15.2	0.4514	2.4166	0.1665	3.0345	-0.1133	0.0434	0.2103	0.1404
1787	16	15.3	0.4514	2.4165	0.1664	3.0343	-0.1091	0.0449	0.1965	0.1324
1788	15.5	15.3	0.4525	2.4164	0.1658	3.0347	-0.0996	0.0448	0.1827	0.1279
1789	15	15.4	0.4531	2.4168	0.1649	3.0349	-0.0987	0.0424	0.1848	0.1285
1790	14.8	15.4	0.4533	2.4175	0.1641	3.0349	-0.1067	0.0401	0.1947	0.1282
1791	14.8	15.4	0.453	2.4177	0.1637	3.0345	-0.1204	0.0387	0.2126	0.1308
1792	15.2	15.4	0.4529	2.4174	0.1637	3.0341	-0.1266	0.0389	0.2269	0.1392
1793	15.7	15.3	0.4528	2.417	0.1645	3.0344	-0.1244	0.0393	0.234	0.1489
1794	15.6	15.2	0.4526	2.4166	0.1657	3.0349	-0.1296	0.0444	0.2349	0.1498
1795	15.2	15.2	0.4528	2.4165	0.1654	3.0347	-0.1334	0.0468	0.236	0.1493
1796	15.4	15.3	0.4522	2.4166	0.1651	3.0339	-0.0923	0.0396	0.2224	0.1697
1797	15.4	15.3	0.4516	2.4168	0.1655	3.0339	-0.0772	0.0281	0.2089	0.1597
1798	15.2	15.2	0.4512	2.4167	0.1661	3.034	-0.0303	0.0274	0.1866	0.1838
1799	15.2	15.1	0.4508	2.4167	0.1657	3.0332	0.009	0.026	0.1683	0.2033
1800	15	15	0.4495	2.4171	0.1659	3.0324	0.0201	0.021	0.1669	0.208