

Test Name	OSB, MW, 200 mm cavity, rep 2
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	25
Cavity Width [mm]	200
Repetition Number	2
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 second repetition of this system configuration.
Experiment Notes	At approximately 9 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]	144
Time to Peak HRR [mins]	8.9
Residual HRR [kW]	8.17
Total HR [MJ]	58.2
Peak dQ/dt [kW/s]	0.656
Time to Peak dQ/dt [s]	8.47

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	0.824	0.824	4.0886	2.4304	-0.0009	6.5181	0.5014	-0.04	0.0154	0.4768
1	1.06	1.12	4.0885	2.4304	-0.0008	6.5181	0.5074	-0.0386	0.0176	0.4865
2	1.48	1.79	4.088	2.4304	-0.0002	6.5182	0.5115	-0.0365	0.0178	0.4928
3	2.38	2.64	4.087	2.4299	0.0003	6.5172	0.509	-0.0355	0.0186	0.4921
4	3.22	3.47	4.0871	2.4292	0.0006	6.5169	0.508	-0.033	0.0165	0.4915
5	4.26	4.21	4.0873	2.4287	0.0005	6.5165	0.5055	-0.029	0.0145	0.491
6	5.25	4.85	4.0867	2.4283	0.0001	6.5151	0.505	-0.0234	0.0108	0.4924
7	6.02	5.37	4.0857	2.4285	-0.0001	6.5141	0.5118	-0.0197	0.009	0.5011
8	6.77	5.88	4.0849	2.4288	-0.0009	6.5128	0.5253	-0.019	0.0086	0.515
9	7.25	6.35	4.0843	2.429	-0.0005	6.5127	0.5326	-0.0174	0.0134	0.5285
10	7.8	6.87	4.0839	2.429	-0.0003	6.5125	0.5344	-0.0126	0.0201	0.5418
11	8.21	7.37	4.0834	2.4286	-0.0006	6.5113	0.5319	-0.0107	0.0205	0.5418
12	8.54	7.84	4.0831	2.4283	-0.0007	6.5107	0.5338	-0.0086	0.0177	0.5429
13	8.59	8.27	4.0826	2.4286	-0.0009	6.5104	0.5435	0.0006	0.0175	0.5616
14	8.84	8.65	4.0824	2.4285	-0.0006	6.5102	0.5525	0.0121	0.0179	0.5826
15	9.52	8.98	4.0824	2.428	-0.0003	6.5101	0.5586	0.0151	0.0222	0.596
16	10	9.27	4.0825	2.4276	0	6.5101	0.5592	0.0135	0.0334	0.606
17	10.2	9.53	4.0825	2.4275	0	6.51	0.5585	0.003	0.0354	0.597
18	10.4	9.76	4.0828	2.4274	-0.0001	6.5101	0.5526	0.0038	0.0376	0.594
19	10.7	9.98	4.0838	2.4271	-0.0001	6.5107	0.5427	0.0022	0.0312	0.5761
20	10.6	10.2	4.084	2.4272	0	6.5112	0.5386	0.0014	0.0297	0.5698
21	10.4	10.3	4.0846	2.4271	-0.0001	6.5115	0.5345	0.008	0.0252	0.5677
22	10.4	10.5	4.0853	2.4275	-0.0004	6.5124	0.5311	0.0142	0.0225	0.5677
23	10.6	10.7	4.0853	2.4279	-0.0004	6.5128	0.5323	0.0194	0.0186	0.5704
24	10.5	10.9	4.0871	2.4279	-0.0003	6.5147	0.5336	0.0236	0.0143	0.5714
25	10.7	11	4.0882	2.4275	-0.0001	6.5156	0.5325	0.0263	0.0133	0.5721
26	11	11.1	4.0889	2.4275	0.0001	6.5165	0.5263	0.0309	0.0097	0.5669
27	11.2	11.2	4.0908	2.4273	-0.0002	6.5179	0.5265	0.0335	0.0021	0.562
28	11.3	11.3	4.0917	2.4272	-0.0006	6.5184	0.5275	0.0298	0.0048	0.5621

29	11.3	11.4	4.09	2.4276	-0.0007	6.517	0.5287	0.0195	0.0075	0.5557
30	11.5	11.5	4.0883	2.4283	-0.0008	6.5158	0.5326	0.012	0.0075	0.5521
31	11.9	11.6	4.0875	2.4288	-0.0007	6.5156	0.5407	0.01	0.0074	0.5581
32	12.1	11.7	4.087	2.4292	-0.0007	6.5155	0.5386	0.0075	0.0062	0.5524
33	12.2	11.8	4.0866	2.4295	-0.0007	6.5154	0.5408	0.0062	0.0071	0.5541
34	12.2	11.8	4.0855	2.4298	-0.0007	6.5146	0.5442	0.005	0.0109	0.5602
35	12.1	11.9	4.0826	2.4304	-0.0009	6.5121	0.5473	0.0047	0.0158	0.5679
36	12.5	12	4.0797	2.4308	-0.0008	6.5097	0.5491	0.0039	0.0174	0.5705
37	12.4	12	4.0777	2.4309	-0.0011	6.5075	0.5491	0.0022	0.0179	0.5691
38	12.6	12.1	4.0778	2.431	-0.0011	6.5077	0.5454	0.0006	0.0166	0.5626
39	12.3	12.2	4.0775	2.4311	-0.0011	6.5075	0.5407	-0.0005	0.0137	0.5539
40	12.4	12.2	4.0766	2.4312	-0.0009	6.5068	0.5408	-0.0011	0.0106	0.5502
41	12.2	12.2	4.0754	2.4313	-0.001	6.5057	0.5448	-0.0011	0.0081	0.5518
42	11.7	12.2	4.074	2.4314	-0.0009	6.5045	0.5472	-0.0007	0.0102	0.5567
43	11.6	12.2	4.0721	2.4315	-0.001	6.5026	0.548	0.0004	0.0129	0.5613
44	11.9	12.2	4.07	2.4317	-0.0011	6.5007	0.5466	0.0022	0.0134	0.5622
45	12	12.2	4.0688	2.4319	-0.0013	6.4994	0.5435	0.0061	0.0147	0.5643
46	12.3	12.1	4.0674	2.4319	-0.0014	6.4979	0.5398	0.0094	0.0149	0.5642
47	12.6	12.1	4.0657	2.432	-0.0015	6.4963	0.5392	0.0103	0.0206	0.5701
48	12.5	12	4.0646	2.4323	-0.0015	6.4953	0.5375	0.0102	0.0194	0.5671
49	12.4	12	4.0636	2.4324	-0.0017	6.4944	0.5382	0.0101	0.0172	0.5655
50	12.3	11.9	4.0628	2.4324	-0.0018	6.4934	0.5358	0.0081	0.0133	0.5572
51	12.2	11.9	4.0621	2.4323	-0.0018	6.4926	0.5379	0.008	0.0111	0.557
52	11.8	11.8	4.0617	2.4323	-0.0019	6.4921	0.55	0.0117	0.0075	0.5692
53	11.7	11.8	4.0613	2.4322	-0.0018	6.4917	0.5551	0.0139	0.0115	0.5805
54	11.7	11.7	4.0609	2.432	-0.0017	6.4912	0.555	0.0045	0.0146	0.5741
55	11.6	11.7	4.0604	2.4317	-0.0015	6.4906	0.5661	-0.0012	0.0167	0.5816
56	11.8	11.6	4.0595	2.4315	-0.0014	6.4896	0.5735	-0.0048	0.0146	0.5833
57	11.6	11.4	4.0582	2.4315	-0.0014	6.4883	0.5747	-0.0069	0.0098	0.5777
58	11.5	11.3	4.0573	2.4314	-0.0017	6.487	0.5715	-0.008	0.0098	0.5733
59	11.4	11.3	4.0566	2.4312	-0.0021	6.4857	0.5695	-0.0104	0.0026	0.5617
60	11.2	11.2	4.0563	2.431	-0.0022	6.4851	0.571	-0.0121	0.0042	0.5631
61	11	11.2	4.0556	2.4309	-0.002	6.4845	0.5744	-0.0134	0.0051	0.5661
62	10.9	11.3	4.0545	2.4304	-0.002	6.4828	0.5747	-0.019	0.0026	0.5582
63	10.6	11.3	4.0533	2.4296	-0.002	6.4809	0.5785	-0.0236	0.0016	0.5566
64	10.6	11.3	4.0524	2.4294	-0.0023	6.4795	0.5809	-0.0209	-0.0025	0.5575
65	10.4	11.4	4.0518	2.4295	-0.0031	6.4782	0.5822	-0.0213	-0.0028	0.5581

66	10.3	11.4	4.0513	2.4302	-0.0033	6.4782	0.5835	-0.0217	-0.0017	0.56
67	10.4	11.4	4.0511	2.4301	-0.0035	6.4778	0.5843	-0.0246	-0.0009	0.5587
68	11.1	11.4	4.0512	2.4302	-0.0031	6.4784	0.5791	-0.0282	0.0011	0.552
69	11.5	11.5	4.051	2.4303	-0.003	6.4783	0.5725	-0.0349	0.0011	0.5388
70	12.2	11.6	4.0507	2.4298	-0.0027	6.4779	0.5727	-0.0433	0.0016	0.5311
71	12.6	11.7	4.0505	2.4294	-0.0025	6.4773	0.5729	-0.045	0.0028	0.5307
72	12.4	11.8	4.0498	2.429	-0.0023	6.4766	0.5776	-0.0445	0.0022	0.5353
73	12.2	12	4.0492	2.4287	-0.002	6.4759	0.5518	-0.042	0.0051	0.5148
74	12.1	12.1	4.0488	2.4284	-0.0019	6.4753	0.5456	-0.0427	0.0078	0.5107
75	12.1	12.3	4.0487	2.4281	-0.0016	6.4751	0.5571	-0.043	0.0071	0.5212
76	12.2	12.5	4.0482	2.4278	-0.0011	6.4749	0.5566	-0.0457	0.0062	0.5172
77	12.3	12.6	4.0476	2.4281	-0.0013	6.4744	0.5592	-0.0476	0.0092	0.5208
78	12.6	12.8	4.0469	2.4289	-0.0015	6.4743	0.5804	-0.051	0.0062	0.5356
79	13	12.9	4.0461	2.4294	-0.0015	6.474	0.6154	-0.0541	0.0008	0.5621
80	13	13	4.0449	2.4296	-0.0015	6.473	0.6228	-0.0486	-0.0004	0.5738
81	13	13.1	4.0445	2.4298	-0.0014	6.4729	0.6374	-0.0424	-0.0025	0.5925
82	13.3	13.2	4.0438	2.4299	-0.0015	6.4722	0.6631	-0.0396	-0.0033	0.6202
83	13.4	13.3	4.043	2.43	-0.0018	6.4711	0.6855	-0.0406	-0.0018	0.6431
84	13.5	13.4	4.0422	2.43	-0.0022	6.4699	0.714	-0.0438	-0.0013	0.6689
85	13.7	13.5	4.0415	2.4301	-0.0024	6.4691	0.7264	-0.0408	-0.0024	0.6831
86	13.8	13.6	4.0409	2.4302	-0.0025	6.4687	0.7086	-0.0354	-0.0059	0.6673
87	13.9	13.7	4.0407	2.4303	-0.0024	6.4687	0.6611	-0.0274	-0.0063	0.6274
88	14	13.8	4.0406	2.4304	-0.0021	6.4689	0.6041	-0.0187	-0.009	0.5764
89	14	13.8	4.04	2.4305	-0.0019	6.4687	0.5882	-0.0141	-0.0088	0.5653
90	14.2	13.9	4.0391	2.4305	-0.0016	6.468	0.5772	-0.01	-0.0076	0.5596
91	14.2	14	4.0384	2.4305	-0.0018	6.467	0.591	-0.0081	-0.0034	0.5795
92	14.2	14	4.0377	2.4304	-0.0021	6.466	0.6024	-0.0032	-0.0013	0.5979
93	14	14.1	4.0373	2.4302	-0.0022	6.4653	0.6108	-0.0013	-0.0003	0.6092
94	14	14.1	4.0371	2.4298	-0.0023	6.4646	0.6166	-0.0004	-0.0007	0.6155
95	14.3	14.2	4.0369	2.4295	-0.0023	6.464	0.6106	0.0035	-0.0022	0.612
96	14.3	14.2	4.0364	2.4294	-0.0029	6.4629	0.6053	0.0105	-0.0046	0.6112
97	14.1	14.3	4.036	2.4294	-0.0028	6.4626	0.6019	0.0151	-0.0058	0.6111
98	14	14.3	4.0354	2.4294	-0.0026	6.4622	0.5998	0.0139	-0.0045	0.6092
99	14.1	14.3	4.0351	2.4296	-0.0022	6.4625	0.6061	0.0147	-0.0024	0.6184
100	14.1	14.3	4.0348	2.4296	-0.002	6.4624	0.6178	0.0151	-0.0046	0.6282
101	14.1	14.4	4.0335	2.4292	-0.0015	6.4612	0.641	0.0122	-0.0027	0.6505
102	14.6	14.4	4.0324	2.429	-0.0013	6.4601	0.6571	0.0051	0	0.6621

103	14.2	14.4	4.0315	2.4294	-0.0011	6.4598	0.6697	0.0035	0.0009	0.6741
104	14.7	14.4	4.0305	2.4293	-0.001	6.4588	0.69	0.0009	0.0008	0.6917
105	14.9	14.4	4.0299	2.4292	-0.0009	6.4581	0.717	-0.0069	-0.0006	0.7094
106	14.7	14.4	4.0292	2.429	-0.0009	6.4574	0.7286	-0.0122	0.0004	0.7168
107	14.7	14.4	4.0286	2.4293	-0.0011	6.4568	0.7214	-0.013	0.0016	0.71
108	14.6	14.4	4.0279	2.4298	-0.0011	6.4566	0.7144	-0.0162	0.001	0.6992
109	14.6	14.5	4.0272	2.4302	-0.001	6.4564	0.7198	-0.0182	-0.002	0.6996
110	14.6	14.5	4.0264	2.4303	-0.0008	6.4559	0.7348	-0.0263	-0.007	0.7015
111	14.4	14.5	4.0259	2.4305	-0.0009	6.4555	0.7579	-0.0284	-0.0075	0.7221
112	14.3	14.6	4.0252	2.4307	-0.0009	6.455	0.7635	-0.0327	-0.006	0.7249
113	14.3	14.7	4.0245	2.4307	-0.0006	6.4546	0.7687	-0.0387	-0.0053	0.7246
114	14.2	14.7	4.0241	2.4306	-0.0003	6.4544	0.7746	-0.0457	-0.0049	0.724
115	14.4	14.7	4.024	2.4302	-0.0001	6.4541	0.7778	-0.0461	-0.0088	0.7229
116	14.4	14.8	4.0241	2.4301	0.0001	6.4542	0.7804	-0.0436	-0.0191	0.7177
117	14.2	14.9	4.0246	2.4304	-0.0001	6.4548	0.7815	-0.0375	-0.0239	0.7201
118	14.6	14.9	4.0256	2.4309	-0.0003	6.4562	0.7874	-0.0373	-0.0284	0.7216
119	14.9	15	4.0265	2.4314	-0.0003	6.4576	0.8065	-0.0405	-0.0235	0.7425
120	14.9	15.1	4.0267	2.4317	-0.0003	6.4581	0.8168	-0.0357	-0.0236	0.7574
121	15.4	15.2	4.0268	2.4315	-0.0004	6.458	0.8179	-0.028	-0.0224	0.7676
122	15.5	15.3	4.0301	2.4317	-0.0009	6.4609	0.8144	-0.021	-0.0194	0.774
123	15.4	15.3	4.0307	2.4322	-0.0012	6.4617	0.8179	-0.0202	-0.0142	0.7835
124	15.9	15.3	4.0314	2.4322	-0.001	6.4626	0.8342	-0.0242	-0.0096	0.8004
125	15.8	15.4	4.0325	2.4321	-0.0007	6.4639	0.8595	-0.028	-0.0097	0.8218
126	16	15.4	4.033	2.4323	-0.0009	6.4644	0.8944	-0.0321	-0.0093	0.853
127	16.2	15.4	4.0328	2.4324	-0.0008	6.4643	0.9068	-0.0319	-0.0026	0.8723
128	16.4	15.4	4.0302	2.4326	-0.0007	6.4622	0.9242	-0.0284	-0.0047	0.8911
129	16.2	15.5	4.0278	2.4325	-0.0007	6.4596	0.9377	-0.024	-0.0113	0.9023
130	15.8	15.6	4.0246	2.4325	-0.0005	6.4566	0.93	-0.0172	-0.0148	0.898
131	15.3	15.6	4.0212	2.4328	-0.0004	6.4536	0.8886	-0.0084	-0.0165	0.8637
132	15	15.7	4.0184	2.4333	-0.0005	6.4512	0.8531	0.0011	-0.0167	0.8374
133	15.1	15.7	4.0152	2.4339	-0.0006	6.4485	0.8418	0.0052	-0.019	0.8281
134	14.9	15.8	4.0128	2.4339	-0.0005	6.4463	0.8384	0.0086	-0.0231	0.8238
135	14.8	15.9	4.0117	2.434	-0.0003	6.4454	0.8417	0.0075	-0.0245	0.8247
136	14.8	15.9	4.0136	2.4336	-0.0002	6.4469	0.8533	0.0033	-0.0201	0.8364
137	15.1	15.9	4.0173	2.4328	-0.0002	6.4499	0.8827	-0.0031	-0.0159	0.8638
138	16	15.9	4.019	2.4324	-0.0002	6.4512	0.9283	-0.0103	-0.0133	0.9047
139	16.2	15.9	4.0198	2.4321	-0.0003	6.4516	0.9559	-0.0133	-0.0093	0.9333

140	16.2	15.9	4.0175	2.432	-0.0006	6.4488	0.9805	-0.013	-0.008	0.9594
141	16.6	15.9	4.0152	2.4316	-0.0008	6.4459	1.004	-0.0124	-0.0064	0.9852
142	16.6	16	4.0129	2.4316	-0.0009	6.4436	1.0293	-0.012	-0.0091	1.0082
143	17	16	4.0105	2.4315	-0.0009	6.4411	1.0537	-0.0123	-0.0126	1.0288
144	17.2	16	4.0089	2.4314	-0.0008	6.4395	1.0768	-0.0141	-0.011	1.0517
145	17	16	4.0082	2.4308	-0.0008	6.4383	1.1089	-0.0178	-0.0074	1.0838
146	16.5	16.1	4.0073	2.4304	-0.0009	6.4368	1.1329	-0.0244	-0.0081	1.1004
147	16	16.1	4.0058	2.4306	-0.0011	6.4353	1.149	-0.0288	-0.0112	1.1091
148	15.8	16.1	4.004	2.4308	-0.0013	6.4335	1.1727	-0.0317	-0.0034	1.1377
149	15.7	16.1	4.0018	2.4309	-0.0012	6.4315	1.1923	-0.0309	0.0017	1.1631
150	15.8	16.1	3.9987	2.4311	-0.0015	6.4283	1.2104	-0.0267	0.0026	1.1864
151	15.7	16.1	3.9964	2.4318	-0.0018	6.4264	1.2301	-0.0289	0.0023	1.2035
152	15.9	16.1	3.9948	2.4319	-0.002	6.4247	1.2376	-0.0373	0.0088	1.2091
153	15.4	16.2	3.9923	2.4321	-0.0019	6.4225	1.2466	-0.0457	0.0129	1.2138
154	15.2	16.2	3.9892	2.4327	-0.0016	6.4202	1.2602	-0.0398	0.0156	1.236
155	15.3	16.2	3.9876	2.4329	-0.0015	6.4189	1.2687	-0.0389	0.0168	1.2466
156	15.6	16.2	3.9874	2.4328	-0.0016	6.4186	1.2657	-0.0433	0.0141	1.2365
157	16.1	16.3	3.9868	2.4331	-0.0015	6.4184	1.2609	-0.0431	0.0062	1.2239
158	16.5	16.3	3.9853	2.4333	-0.0015	6.4171	1.268	-0.0382	-0.0026	1.2271
159	16.3	16.4	3.9832	2.4338	-0.0014	6.4155	1.2779	-0.0305	-0.0084	1.239
160	16.6	16.5	3.9805	2.4339	-0.0014	6.4129	1.2771	-0.0231	-0.0089	1.2451
161	17	16.6	3.9792	2.4342	-0.0014	6.412	1.2752	-0.0185	-0.0052	1.2516
162	17.3	16.7	3.9776	2.4342	-0.0015	6.4104	1.2818	-0.0153	-0.004	1.2625
163	17.5	16.8	3.9759	2.4342	-0.0016	6.4085	1.2926	-0.0121	-0.0028	1.2777
164	17.6	16.9	3.9746	2.434	-0.0015	6.4072	1.3063	-0.0096	-0.0009	1.2958
165	17.3	17	3.9738	2.4339	-0.0012	6.4064	1.3175	-0.0072	0.0004	1.3107
166	16.8	17.1	3.9731	2.4339	-0.0009	6.4062	1.3296	-0.0041	0.0029	1.3284
167	16.7	17.1	3.9724	2.4339	-0.0006	6.4056	1.3418	-0.002	0.0061	1.3459
168	16.9	17.2	3.9706	2.4343	-0.0007	6.4042	1.3597	-0.0008	0.0046	1.3636
169	17.2	17.3	3.9693	2.4339	-0.0006	6.4026	1.3917	0.003	0.0019	1.3967
170	17.6	17.4	3.969	2.4326	-0.0005	6.4011	1.4319	0.0075	0.0005	1.4399
171	17.7	17.5	3.969	2.4315	-0.0006	6.3999	1.4608	0.0145	0.0039	1.4792
172	17.7	17.6	3.9681	2.431	-0.0008	6.3982	1.4858	0.021	0.0043	1.5111
173	17.5	17.6	3.9658	2.4311	-0.001	6.3959	1.5502	0.0234	0.0019	1.5755
174	17.2	17.7	3.9628	2.4312	-0.0009	6.3931	1.5897	0.0264	-0.0016	1.6144
175	17.5	17.8	3.9593	2.4313	-0.0007	6.3898	1.6252	0.028	-0.0017	1.6515
176	17	18	3.9575	2.431	-0.0008	6.3877	1.6594	0.0292	0.0017	1.6903

177	17.7	18.1	3.9551	2.4309	-0.0008	6.3852	1.6928	0.0306	0.0024	1.7258
178	18.4	18.3	3.9532	2.4313	-0.0004	6.3841	1.7234	0.0323	0.0025	1.7582
179	18.7	18.5	3.9531	2.4312	0	6.3842	1.7178	0.0361	0.0034	1.7574
180	18.8	18.8	3.956	2.4304	0.0001	6.3866	1.7213	0.0357	0.0031	1.7601
181	18.6	19.1	3.9592	2.4297	0.0003	6.3892	1.7066	0.0408	0.002	1.7494
182	18.4	19.5	3.9596	2.4294	0.0004	6.3894	1.6845	0.0472	0.0034	1.7351
183	19	20	3.9591	2.4291	0.0005	6.3888	1.6894	0.0501	0.0026	1.742
184	19.4	20.5	3.958	2.4292	0.0002	6.3875	1.6864	0.0525	0.0007	1.7396
185	19.5	20.9	3.9561	2.4297	-0.0004	6.3855	1.6798	0.0533	0.0015	1.7346
186	19.7	21.4	3.9527	2.4305	-0.0009	6.3823	1.6863	0.0557	0.0037	1.7458
187	20.3	21.9	3.9479	2.4314	-0.001	6.3782	1.7377	0.0514	0.0055	1.7947
188	21.6	22.3	3.945	2.4318	-0.0012	6.3756	1.8122	0.0408	0.0065	1.8595
189	22.7	22.6	3.942	2.4318	-0.001	6.3727	1.8725	0.0355	0.0077	1.9157
190	23.6	22.9	3.9387	2.4317	-0.001	6.3695	1.9246	0.0288	0.008	1.9614
191	24.8	23.2	3.9354	2.4317	-0.0009	6.3662	1.9303	0.02	0.0063	1.9567
192	26.3	23.6	3.9324	2.4316	-0.0008	6.3631	1.9441	0.0119	0.0053	1.9613
193	26.6	23.8	3.9296	2.4316	-0.0011	6.3602	1.9661	0.0089	0.0068	1.9818
194	26.4	24.1	3.9262	2.4316	-0.0016	6.3562	1.9881	0.0057	0.0097	2.0035
195	26.1	24.4	3.9236	2.4319	-0.0015	6.354	2.0199	0.0011	0.0124	2.0334
196	26.2	24.7	3.9215	2.4323	-0.0018	6.352	2.0595	-0.0114	0.012	2.0601
197	25.9	25	3.9187	2.4326	-0.0025	6.3489	2.0968	-0.0169	0.0123	2.0921
198	25.2	25.2	3.9162	2.4325	-0.0028	6.3459	2.1142	-0.0172	0.0105	2.1075
199	24.7	25.4	3.9141	2.4323	-0.0025	6.3438	2.1351	-0.0159	0.0081	2.1273
200	24.7	25.4	3.9118	2.4325	-0.0022	6.3421	2.145	-0.0185	0.011	2.1375
201	24.8	25.5	3.9097	2.433	-0.0024	6.3403	2.1496	-0.0162	0.0074	2.1408
202	24.5	25.4	3.9078	2.4336	-0.0026	6.3388	2.1587	-0.0079	0.0032	2.154
203	25.1	25.3	3.9055	2.4334	-0.0027	6.3362	2.1706	-0.0018	-0.0004	2.1684
204	25.1	25.2	3.9036	2.4332	-0.0027	6.3341	2.1833	0.0045	-0.0039	2.1839
205	25.2	25.1	3.9033	2.4335	-0.0023	6.3345	2.1862	0.0129	-0.0058	2.1933
206	25.6	25	3.9032	2.4334	-0.0015	6.335	2.1976	0.0163	-0.0064	2.2075
207	25.7	24.9	3.9018	2.4331	-0.0008	6.3341	2.2313	0.0152	-0.0054	2.2411
208	25.5	24.9	3.9002	2.4329	-0.0003	6.3327	2.2595	0.0167	-0.0011	2.275
209	25.2	25	3.8994	2.4325	-0.0001	6.3319	2.2808	0.0149	0.0027	2.2983
210	24.9	25.2	3.8989	2.4322	-0.0003	6.3308	2.3111	0.0163	0.0056	2.333
211	25	25.4	3.8977	2.432	-0.0005	6.3292	2.3332	0.0125	0.0076	2.3532
212	24.9	25.8	3.8959	2.4319	-0.0006	6.3273	2.3605	0.0184	0.0085	2.3875
213	24.9	26.1	3.8939	2.4317	-0.0005	6.325	2.3683	0.0245	0.0062	2.3989

214	24.7	26.5	3.8924	2.4313	-0.0004	6.3233	2.3948	0.03	0.0049	2.4297
215	24.3	26.9	3.8911	2.4306	-0.0004	6.3212	2.4089	0.0282	0.0103	2.4474
216	24.2	27.3	3.8899	2.4303	-0.0006	6.3196	2.4634	0.0212	0.0158	2.5003
217	24.8	27.7	3.8886	2.4304	-0.0006	6.3185	2.5123	0.0198	0.0216	2.5537
218	26.3	28.1	3.8864	2.4306	-0.0004	6.3165	2.5572	0.0188	0.0277	2.6037
219	28.3	28.5	3.8833	2.4306	-0.0004	6.3136	2.6026	0.02	0.0347	2.6572
220	29.4	29	3.8807	2.4302	-0.0007	6.3102	2.6434	0.0127	0.0409	2.6969
221	30.8	29.5	3.8783	2.4294	-0.0008	6.3069	2.6813	0.002	0.039	2.7223
222	32	30	3.8751	2.4294	-0.0011	6.3034	2.7182	-0.007	0.0326	2.7438
223	32.4	30.6	3.8718	2.4295	-0.001	6.3003	2.7477	-0.0138	0.0317	2.7657
224	32.6	31.1	3.8689	2.4294	-0.0009	6.2975	2.7805	-0.0149	0.0311	2.7967
225	32.7	31.7	3.8666	2.4292	-0.0009	6.2948	2.806	-0.0159	0.03	2.8202
226	32.9	32.2	3.8637	2.4292	-0.0011	6.2918	2.8248	-0.0179	0.0338	2.8407
227	33.2	32.7	3.8605	2.4291	-0.0011	6.2885	2.861	-0.0189	0.0359	2.878
228	34.1	33.2	3.8584	2.429	-0.001	6.2864	2.8674	-0.0196	0.0345	2.8823
229	34.4	33.5	3.8556	2.4289	-0.001	6.2836	2.8964	-0.0116	0.0281	2.9128
230	34.6	33.7	3.8539	2.4284	-0.0007	6.2817	2.9349	-0.0167	0.0265	2.9447
231	34.3	34	3.8527	2.4281	-0.0007	6.2801	3.0185	-0.0277	0.0259	3.0167
232	35.4	34.2	3.8495	2.4283	-0.0008	6.277	3.0946	-0.0321	0.0218	3.0843
233	34.9	34.4	3.8466	2.4286	-0.0007	6.2746	3.1498	-0.0406	0.0241	3.1333
234	34.6	34.7	3.8448	2.4286	-0.0006	6.2728	3.2028	-0.0494	0.0318	3.1852
235	34.6	35	3.8431	2.4284	-0.0007	6.2708	3.2387	-0.0511	0.0396	3.2273
236	34.5	35.4	3.8398	2.4284	-0.0008	6.2674	3.2694	-0.0376	0.0388	3.2706
237	34.4	35.7	3.8361	2.4287	-0.0008	6.2639	3.2926	-0.0137	0.0327	3.3116
238	34.3	36	3.8317	2.4289	-0.001	6.2596	3.2957	0.0011	0.0309	3.3277
239	34.4	36.3	3.8274	2.4292	-0.0011	6.2554	3.324	0.0038	0.0296	3.3574
240	35.4	36.6	3.8244	2.43	-0.0012	6.2532	3.3527	-0.0014	0.0339	3.3852
241	36.3	36.9	3.8207	2.4304	-0.0014	6.2498	3.3563	-0.0068	0.0361	3.3855
242	36.4	37.2	3.8163	2.4307	-0.0016	6.2454	3.3646	-0.008	0.04	3.3965
243	38.1	37.5	3.8116	2.431	-0.0019	6.2407	3.382	-0.0067	0.0434	3.4187
244	38.2	37.9	3.8069	2.4313	-0.0021	6.2361	3.3856	-0.0042	0.0502	3.4316
245	39.6	38.2	3.8023	2.432	-0.002	6.2323	3.3826	0.004	0.0424	3.429
246	39.9	38.7	3.7976	2.4321	-0.0021	6.2276	3.4101	0.0129	0.04	3.463
247	40.3	39.1	3.7943	2.4323	-0.0021	6.2246	3.434	0.0229	0.0346	3.4915
248	39.7	39.7	3.7904	2.4324	-0.0021	6.2207	3.4345	0.0291	0.0281	3.4917
249	40	40.2	3.7873	2.4327	-0.0023	6.2178	3.4411	0.0275	0.0149	3.4835
250	40.6	40.7	3.7838	2.4328	-0.0023	6.2143	3.4753	0.0233	0.015	3.5136

251	40.9	41.3	3.7805	2.4326	-0.0021	6.211	3.5139	0.0204	0.0203	3.5546
252	40.8	41.8	3.7777	2.4321	-0.0019	6.2079	3.552	0.0205	0.0184	3.5909
253	41.1	42.2	3.7739	2.4316	-0.0015	6.2041	3.5833	0.021	0.012	3.6164
254	41.7	42.6	3.7706	2.4314	-0.0011	6.2009	3.6206	0.011	0.0071	3.6386
255	42.6	43.1	3.7678	2.4313	-0.0009	6.1982	3.6769	0.0048	0.0088	3.6904
256	43.5	43.7	3.7643	2.4313	-0.001	6.1945	3.7152	0.0076	0.0178	3.7405
257	44	44.2	3.7608	2.4314	-0.0014	6.1909	3.7454	0.0117	0.0276	3.7847
258	45	44.9	3.7572	2.4318	-0.0018	6.1872	3.7761	0.0143	0.0292	3.8197
259	45.5	45.6	3.752	2.4322	-0.002	6.1822	3.8147	0.0167	0.027	3.8584
260	46	46.4	3.7471	2.4326	-0.0022	6.1776	3.8625	0.0133	0.0255	3.9012
261	46.1	47.1	3.7432	2.4324	-0.0023	6.1733	3.9213	0.0058	0.0249	3.9521
262	45.7	47.9	3.7408	2.4318	-0.0021	6.1705	3.9644	0.004	0.0243	3.9928
263	47.2	48.7	3.7364	2.4312	-0.0021	6.1655	4.017	0.0031	0.0271	4.0472
264	49.2	49.5	3.7337	2.4312	-0.0025	6.1624	4.0318	0.0016	0.0258	4.0592
265	49.9	50.2	3.7274	2.4318	-0.0028	6.1564	4.0433	0.0001	0.0237	4.0672
266	51.1	50.9	3.7219	2.432	-0.003	6.1508	4.0729	-0.007	0.0194	4.0853
267	52.2	51.6	3.7167	2.432	-0.0034	6.1453	4.1309	-0.0085	0.0175	4.14
268	53.7	52.2	3.7103	2.4323	-0.0042	6.1385	4.2049	-0.0073	0.023	4.2206
269	54.7	52.7	3.705	2.4326	-0.0047	6.1329	4.2384	-0.0083	0.0253	4.2554
270	55.4	53.3	3.7008	2.4324	-0.0044	6.1289	4.2752	-0.0119	0.0223	4.2856
271	55.7	53.8	3.6972	2.4322	-0.0038	6.1255	4.3227	-0.0234	0.0165	4.3158
272	55.8	54.3	3.6933	2.4324	-0.004	6.1216	4.358	-0.0379	0.0161	4.3363
273	56.6	54.7	3.6877	2.4326	-0.0041	6.1162	4.383	-0.0386	0.0141	4.3584
274	57.1	55.1	3.6822	2.4328	-0.0039	6.1111	4.4022	-0.0318	0.0183	4.3887
275	56.7	55.4	3.6768	2.4331	-0.0041	6.1057	4.4362	-0.0308	0.0227	4.428
276	56.4	55.5	3.6714	2.4329	-0.0044	6.0999	4.4902	-0.0368	0.028	4.4815
277	56.1	55.7	3.6684	2.4329	-0.0043	6.097	4.5041	-0.0297	0.0333	4.5076
278	56.4	55.7	3.6635	2.4324	-0.0032	6.0928	4.5524	-0.0358	0.0421	4.5587
279	56	55.9	3.6596	2.4328	-0.0027	6.0898	4.5782	-0.0377	0.0437	4.5842
280	56.3	56.1	3.6542	2.4332	-0.0024	6.085	4.5956	-0.0312	0.047	4.6114
281	55.1	56.4	3.6498	2.4329	-0.0019	6.0807	4.6309	-0.0267	0.0534	4.6576
282	55.6	56.8	3.6446	2.4334	-0.002	6.0761	4.6723	-0.0197	0.0528	4.7054
283	55.8	57.2	3.6389	2.4341	-0.0027	6.0702	4.6995	-0.0112	0.0485	4.7368
284	55.2	57.7	3.6341	2.4344	-0.0038	6.0647	4.7273	-0.0158	0.0448	4.7564
285	54.5	58.1	3.6292	2.4335	-0.0043	6.0584	4.7628	-0.0243	0.0417	4.7803
286	54.4	58.6	3.6234	2.4319	-0.0041	6.0511	4.8064	-0.0262	0.0408	4.8211
287	55.3	59.1	3.6183	2.4313	-0.0041	6.0454	4.8214	-0.026	0.0415	4.8369

288	56.8	59.5	3.6126	2.4314	-0.0042	6.0398	4.8414	-0.0232	0.0404	4.8586
289	59.7	60	3.6067	2.4319	-0.0044	6.0342	4.8651	-0.0151	0.0381	4.8881
290	61.7	60.4	3.6031	2.4324	-0.0046	6.0309	4.8599	0.0043	0.0356	4.8998
291	63.4	60.8	3.599	2.4325	-0.0049	6.0265	4.8992	0.0163	0.0278	4.9433
292	64.9	61.2	3.5942	2.4323	-0.0052	6.0212	4.9132	0.0265	0.0222	4.9619
293	65.3	61.6	3.5911	2.432	-0.0061	6.017	4.928	0.0294	0.0163	4.9737
294	65.2	62.1	3.5879	2.4312	-0.0058	6.0133	4.956	0.0323	0.0097	4.998
295	65.8	62.5	3.5826	2.4306	-0.0055	6.0077	4.976	0.0358	0.0049	5.0167
296	65.1	62.9	3.5781	2.43	-0.0052	6.0028	5.0026	0.0439	0.005	5.0516
297	64.8	63.3	3.5753	2.4297	-0.0053	5.9997	5.0274	0.0454	0.0032	5.076
298	64.7	63.6	3.5721	2.4297	-0.0043	5.9976	5.0584	0.045	-0.0017	5.1016
299	64.2	63.7	3.5665	2.4299	-0.004	5.9925	5.0842	0.0399	-0.0091	5.1149
300	63.3	63.8	3.5604	2.4304	-0.0043	5.9866	5.1249	0.0351	-0.0157	5.1443
301	63.3	63.8	3.5545	2.4309	-0.0043	5.9812	5.1719	0.0248	-0.0163	5.1804
302	63.5	63.8	3.5494	2.4315	-0.0038	5.9771	5.2046	0.0168	-0.0119	5.2095
303	63.4	64	3.5435	2.4323	-0.0034	5.9724	5.253	0.0002	-0.004	5.2492
304	63.2	64.2	3.5359	2.4328	-0.0036	5.9651	5.2887	-0.0116	0.0034	5.2806
305	61.9	64.5	3.5318	2.4327	-0.0041	5.9605	5.3395	-0.0133	0.0096	5.3357
306	62.5	64.8	3.5286	2.4322	-0.0043	5.9565	5.3588	-0.0065	0.0116	5.3639
307	62.3	65.2	3.5242	2.4317	-0.0037	5.9521	5.366	-0.0022	0.0068	5.3706
308	62	65.6	3.5187	2.4312	-0.003	5.9469	5.4101	-0.0056	0.0072	5.4117
309	62.5	66	3.5132	2.4312	-0.0026	5.9417	5.4268	-0.0043	0.0053	5.4278
310	64.2	66.5	3.5068	2.4316	-0.0028	5.9355	5.4314	0.0029	0.0056	5.4399
311	65.8	67.1	3.5013	2.4316	-0.0029	5.9299	5.4183	0.0181	0.0131	5.4494
312	68.1	67.6	3.4942	2.4316	-0.0033	5.9225	5.4204	0.0197	0.0135	5.4536
313	69.7	68.2	3.4907	2.4315	-0.0031	5.9191	5.4511	0.0267	0.017	5.4949
314	70.7	68.7	3.488	2.4313	-0.0027	5.9166	5.4378	0.0306	0.0185	5.4868
315	71.4	69.3	3.4838	2.4313	-0.0024	5.9127	5.456	0.0375	0.0196	5.5132
316	72.2	69.9	3.4768	2.4311	-0.0023	5.9056	5.4339	0.0426	0.0085	5.485
317	72.1	70.5	3.4681	2.4312	-0.0029	5.8964	5.4461	0.0501	0.001	5.4972
318	72.3	71.2	3.4626	2.4314	-0.003	5.891	5.4538	0.0472	-0.0076	5.4934
319	73	71.7	3.4558	2.4318	-0.0026	5.885	5.4629	0.0463	-0.0222	5.4871
320	73.6	72.3	3.4484	2.4325	-0.0023	5.8786	5.4692	0.049	-0.0333	5.4849
321	73.8	72.8	3.4425	2.4332	-0.0024	5.8733	5.4989	0.0439	-0.0355	5.5073
322	73.8	73.2	3.4368	2.4332	-0.0025	5.8675	5.5311	0.0391	-0.0331	5.537
323	73.2	73.4	3.4316	2.4327	-0.0028	5.8614	5.555	0.0383	-0.036	5.5574
324	73.1	73.5	3.4253	2.4325	-0.0031	5.8547	5.5799	0.0362	-0.0354	5.5808

325	73.7	73.6	3.4176	2.4329	-0.0037	5.8467	5.5969	0.0348	-0.0325	5.5992
326	74.7	73.6	3.4133	2.4322	-0.0044	5.8411	5.6126	0.0357	-0.0323	5.616
327	73.9	73.6	3.4052	2.4327	-0.0053	5.8327	5.6471	0.0325	-0.0348	5.6448
328	73.7	73.6	3.4006	2.4328	-0.0054	5.828	5.6866	0.0352	-0.0322	5.6897
329	75.1	73.5	3.3961	2.4321	-0.0057	5.8225	5.6985	0.0375	-0.0168	5.7192
330	75.4	73.3	3.3909	2.4311	-0.006	5.8159	5.7222	0.0468	-0.0084	5.7606
331	74.4	73.2	3.3855	2.43	-0.006	5.8095	5.7271	0.0533	-0.0067	5.7737
332	73.7	73.1	3.3795	2.4294	-0.0056	5.8033	5.7468	0.0509	-0.0041	5.7936
333	73	72.9	3.3739	2.4302	-0.0051	5.7989	5.7574	0.0563	-0.0066	5.807
334	73.1	72.9	3.3686	2.431	-0.0048	5.7948	5.7672	0.0607	-0.0139	5.814
335	72.7	72.8	3.3624	2.431	-0.0047	5.7887	5.7823	0.0638	-0.0239	5.8221
336	72.7	72.8	3.3576	2.431	-0.0049	5.7838	5.7902	0.0572	-0.0267	5.8207
337	70.8	72.9	3.3519	2.431	-0.0049	5.7781	5.7976	0.0458	-0.0231	5.8203
338	71.5	73.1	3.3452	2.4304	-0.0048	5.7708	5.8074	0.0455	-0.0229	5.8301
339	70.5	73.2	3.3414	2.4288	-0.0047	5.7655	5.8217	0.0495	-0.0254	5.8458
340	71.7	73.3	3.3345	2.4284	-0.004	5.7588	5.8354	0.0507	-0.0305	5.8556
341	71.4	73.4	3.3294	2.4277	-0.0036	5.7536	5.8859	0.0523	-0.0331	5.9051
342	70.6	73.6	3.3235	2.4277	-0.0032	5.7481	5.9174	0.0549	-0.0351	5.9372
343	71.6	73.6	3.316	2.4277	-0.0028	5.7409	5.9394	0.0575	-0.0374	5.9595
344	73.4	73.9	3.3093	2.4277	-0.0026	5.7345	5.9773	0.0595	-0.0456	5.9912
345	74.7	74.3	3.302	2.4276	-0.0025	5.7271	6.0102	0.053	-0.0409	6.0223
346	75.8	74.8	3.2948	2.4275	-0.0024	5.72	6.0294	0.0448	-0.0357	6.0386
347	76.6	75.4	3.2885	2.4278	-0.0019	5.7144	6.0509	0.0351	-0.0321	6.0539
348	76.7	76	3.282	2.4284	-0.0012	5.7093	6.0817	0.0302	-0.0328	6.079
349	76.8	76.6	3.2749	2.4292	-0.0007	5.7033	6.1113	0.029	-0.0195	6.1208
350	77.1	77.4	3.2666	2.4303	-0.0006	5.6962	6.1159	0.0279	-0.0156	6.1283
351	76.7	78.2	3.2601	2.4309	-0.0009	5.69	6.1245	0.0296	-0.0148	6.1393
352	74.5	79	3.2524	2.4321	-0.0015	5.683	6.1215	0.0375	-0.0154	6.1436
353	78.7	80.2	3.2451	2.4328	-0.0018	5.676	6.1544	0.046	-0.0087	6.1917
354	80.5	81.2	3.2366	2.4327	-0.002	5.6674	6.165	0.0559	-0.0047	6.2162
355	82.3	82	3.2319	2.4319	-0.0021	5.6618	6.1594	0.0606	-0.0042	6.2158
356	81.1	82.7	3.2277	2.4315	-0.0017	5.6575	6.1853	0.0609	-0.0052	6.2411
357	83.2	83.4	3.2198	2.432	-0.0021	5.6497	6.2249	0.0572	-0.0034	6.2787
358	81.8	83.9	3.2145	2.4322	-0.0023	5.6444	6.2651	0.057	0.0044	6.3265
359	86.3	84.5	3.2089	2.4319	-0.0025	5.6382	6.2996	0.0571	0.0139	6.3706
360	86.4	85	3.2053	2.4308	-0.0035	5.6327	6.3143	0.0508	0.0215	6.3866
361	87.6	85.5	3.2012	2.4304	-0.0036	5.6279	6.331	0.0559	0.0172	6.4041

362	92.6	86	3.1957	2.4291	-0.0038	5.621	6.3429	0.0553	0.0142	6.4124
363	93.1	86	3.1926	2.4281	-0.0039	5.6169	6.3476	0.0533	0.0106	6.4115
364	90	86.1	3.1881	2.4274	-0.0045	5.6111	6.3878	0.0533	0.0125	6.4537
365	88.9	86.1	3.184	2.4275	-0.0036	5.6079	6.4361	0.0555	0.0101	6.5017
366	89.8	86.1	3.1773	2.4269	-0.0031	5.6011	6.471	0.0573	0.007	6.5354
367	86.7	85.9	3.1713	2.4273	-0.0026	5.5959	6.477	0.0567	0.0093	6.543
368	88.1	85.9	3.164	2.4277	-0.002	5.5898	6.4655	0.0577	0.0036	6.5268
369	87.4	85.7	3.1581	2.4277	-0.0014	5.5844	6.4765	0.0596	-0.0003	6.5359
370	85.7	85.6	3.1509	2.428	-0.0008	5.5782	6.4799	0.0622	0.0062	6.5482
371	83.2	85.6	3.1441	2.4283	-0.0005	5.5718	6.4966	0.0641	0.0059	6.5665
372	79.7	85.5	3.1378	2.4285	-0.0004	5.5659	6.5008	0.0726	0.0042	6.5776
373	81.2	85.4	3.1298	2.4289	-0.0006	5.5581	6.5251	0.0726	0.0006	6.5983
374	82.4	85.5	3.1225	2.4293	-0.0007	5.5512	6.5399	0.0629	-0.0097	6.5931
375	81.1	85.7	3.1155	2.4295	-0.0009	5.5441	6.5495	0.0531	-0.0132	6.5894
376	80.8	85.7	3.1067	2.4296	-0.0009	5.5354	6.543	0.0494	-0.0158	6.5766
377	81.5	85.9	3.0997	2.4294	-0.001	5.5281	6.5842	0.044	-0.0218	6.6064
378	82.6	86.1	3.0937	2.4287	-0.0015	5.5209	6.5838	0.0541	-0.0317	6.6063
379	84.5	86.3	3.0874	2.4281	-0.0018	5.5137	6.6107	0.0582	-0.0358	6.6331
380	87.2	86.5	3.0815	2.4279	-0.0018	5.5076	6.6615	0.0536	-0.0387	6.6764
381	90.3	86.8	3.0751	2.4278	-0.0015	5.5014	6.7093	0.0433	-0.0346	6.7179
382	91	87.4	3.0689	2.4278	-0.0013	5.4954	6.703	0.0387	-0.0276	6.714
383	92.4	87.9	3.0621	2.428	-0.0013	5.4888	6.7452	0.0397	-0.0226	6.7623
384	91.7	88.5	3.0559	2.428	-0.0014	5.4825	6.7543	0.0509	-0.0146	6.7906
385	90.9	89.3	3.0502	2.4278	-0.0016	5.4764	6.772	0.06	-0.0128	6.8193
386	90.8	90.1	3.0436	2.4273	-0.0018	5.4691	6.7844	0.0707	-0.0168	6.8383
387	91.6	90.7	3.0376	2.4267	-0.0018	5.4624	6.809	0.0752	-0.0144	6.8698
388	90.6	91.3	3.0304	2.4264	-0.0016	5.4552	6.8309	0.0733	-0.0129	6.8914
389	89	91.8	3.0232	2.4269	-0.0014	5.4487	6.8376	0.0604	-0.0126	6.8854
390	89.6	92.3	3.0145	2.4272	-0.0013	5.4404	6.8912	0.0376	-0.012	6.9168
391	90.3	92.6	3.0072	2.427	-0.0014	5.4328	6.9066	0.0253	-0.0026	6.9293
392	91.9	92.8	3.0002	2.4265	-0.0014	5.4253	6.9368	0.0121	0.0018	6.9507
393	93.6	93	2.9933	2.4261	-0.0015	5.4179	6.9564	0.0077	0.002	6.9661
394	95.6	93.1	2.9869	2.4259	-0.0017	5.4111	6.9497	0.0068	0.0028	6.9593
395	96	93.5	2.9796	2.4262	-0.002	5.4038	6.9588	0.0093	0.0016	6.9697
396	94.1	93.8	2.973	2.4265	-0.002	5.3975	6.9572	0.0089	0.002	6.9681
397	93	94.1	2.9671	2.4266	-0.002	5.3918	6.9704	0.0091	0.0053	6.9849
398	95.1	94.4	2.9609	2.4268	-0.0023	5.3855	6.9744	0.0156	0.007	6.997

399	96.5	94.8	2.955	2.4271	-0.0024	5.3797	6.9986	0.0221	0.0181	7.0388
400	96.3	95.2	2.948	2.4275	-0.0028	5.3727	7.0261	0.0374	0.0226	7.0862
401	94.4	95.6	2.9424	2.4271	-0.0027	5.3668	7.0203	0.0563	0.0235	7.1001
402	95	95.8	2.934	2.4269	-0.0029	5.358	7.0387	0.0618	0.0212	7.1218
403	95.4	96	2.927	2.4267	-0.0029	5.3508	7.0403	0.0643	0.0176	7.1223
404	97.2	96	2.92	2.4267	-0.0032	5.3435	7.0527	0.0712	0.0133	7.1373
405	96.9	96.1	2.9133	2.4266	-0.0036	5.3363	7.0451	0.0892	0.0077	7.1421
406	96.8	96.3	2.9061	2.4265	-0.0039	5.3286	7.0818	0.095	0.0054	7.1822
407	97	96.7	2.8976	2.426	-0.0042	5.3195	7.129	0.0907	0.0093	7.229
408	96.1	97	2.8887	2.4255	-0.0044	5.3098	7.1318	0.0966	0.0035	7.2319
409	97.2	97.3	2.8818	2.4261	-0.0048	5.3031	7.1663	0.1018	-0.0047	7.2634
410	98.3	97.7	2.8737	2.426	-0.0045	5.2951	7.2051	0.0985	-0.0095	7.294
411	96.1	98.1	2.867	2.4261	-0.0044	5.2887	7.2745	0.0935	-0.0137	7.3543
412	96.4	98.5	2.8595	2.4263	-0.0044	5.2814	7.3343	0.0943	-0.015	7.4136
413	96.9	98.7	2.8519	2.4262	-0.0044	5.2737	7.3538	0.0789	-0.0153	7.4175
414	97.1	99	2.8444	2.4258	-0.0037	5.2665	7.4117	0.0631	-0.0173	7.4575
415	98.3	99.3	2.8367	2.4256	-0.0031	5.2592	7.4707	0.0557	-0.0258	7.5006
416	99.8	99.6	2.8291	2.4255	-0.0032	5.2513	7.5311	0.0566	-0.0202	7.5675
417	102	99.9	2.8215	2.4254	-0.0032	5.2437	7.557	0.0463	-0.016	7.5873
418	102	100	2.8149	2.4254	-0.0029	5.2374	7.5948	0.0452	-0.0102	7.6297
419	104	101	2.8078	2.4256	-0.0032	5.2302	7.6177	0.0517	-0.0031	7.6662
420	102	101	2.7987	2.4261	-0.0029	5.2219	7.6476	0.0535	0.0021	7.7032
421	102	102	2.7924	2.4259	-0.0028	5.2155	7.6821	0.0544	0.0057	7.7422
422	100	102	2.7843	2.426	-0.0026	5.2077	7.716	0.0554	0.007	7.7784
423	102	103	2.7776	2.4264	-0.0019	5.2021	7.7321	0.0538	0.0078	7.7937
424	102	104	2.7703	2.4272	-0.0018	5.1957	7.7432	0.0537	0.008	7.8048
425	103	105	2.7633	2.4279	-0.0021	5.189	7.765	0.0527	0.0065	7.8242
426	103	106	2.7549	2.4278	-0.0022	5.1804	7.795	0.0461	0.005	7.8462
427	103	107	2.7468	2.4273	-0.0021	5.172	7.8063	0.0462	0.004	7.8565
428	104	108	2.7395	2.427	-0.0018	5.1647	7.8218	0.0445	0.0039	7.8703
429	106	108	2.7299	2.4267	-0.0018	5.1548	7.8676	0.0423	0.0021	7.912
430	108	109	2.7199	2.4268	-0.0026	5.1441	7.906	0.0396	-0.001	7.9446
431	112	110	2.7152	2.4262	-0.0032	5.1381	7.933	0.04	0.0003	7.9733
432	114	111	2.705	2.4254	-0.0034	5.1271	7.9688	0.0398	0.0024	8.0109
433	116	111	2.6984	2.4251	-0.0037	5.1199	8.002	0.0396	0.0026	8.0442
434	113	112	2.6914	2.425	-0.0035	5.1129	8.0424	0.0444	0.0036	8.0903
435	120	113	2.684	2.4239	-0.0031	5.1049	8.063	0.0488	0.0049	8.1168

436	117	113	2.6768	2.4235	-0.0035	5.0968	8.083	0.0486	0.0052	8.1367
437	116	114	2.6688	2.4237	-0.0036	5.0889	8.1027	0.0416	0.0093	8.1536
438	116	115	2.6614	2.4243	-0.0035	5.0822	8.1187	0.0403	0.0162	8.1752
439	116	116	2.6523	2.425	-0.0035	5.0738	8.1356	0.0491	0.01	8.1947
440	118	116	2.6439	2.4258	-0.0038	5.0659	8.1568	0.0598	0.0069	8.2235
441	117	117	2.6357	2.4265	-0.0038	5.0585	8.1688	0.0602	0.0073	8.2362
442	115	117	2.6279	2.427	-0.0034	5.0515	8.1768	0.0544	0.0069	8.2382
443	115	118	2.6211	2.4271	-0.0031	5.045	8.1964	0.0446	0.0077	8.2487
444	115	118	2.6135	2.4268	-0.0027	5.0375	8.2298	0.0333	0.0109	8.274
445	116	118	2.6063	2.4267	-0.0027	5.0303	8.2724	0.0272	0.0104	8.31
446	118	118	2.5978	2.4266	-0.0029	5.0215	8.3118	0.0285	0.0152	8.3555
447	120	119	2.5911	2.4263	-0.0026	5.0147	8.3448	0.0215	0.0237	8.3899
448	120	119	2.5822	2.4262	-0.003	5.0054	8.3851	0.0221	0.029	8.4363
449	120	119	2.5722	2.4255	-0.003	4.9947	8.412	0.0297	0.0258	8.4674
450	122	119	2.5645	2.4247	-0.003	4.9862	8.4242	0.0353	0.0236	8.4831
451	120	120	2.5562	2.4247	-0.0031	4.9778	8.4485	0.0396	0.0162	8.5042
452	120	120	2.5484	2.4257	-0.0033	4.9707	8.4924	0.0239	0.0179	8.5341
453	121	121	2.5398	2.4257	-0.0032	4.9623	8.4761	0.0267	0.0127	8.5155
454	122	121	2.5321	2.4238	-0.0028	4.9531	8.5075	0.0449	-0.0032	8.5492
455	122	122	2.5237	2.4224	-0.0026	4.9436	8.511	0.0469	-0.0114	8.5465
456	122	122	2.5148	2.4224	-0.0026	4.9346	8.5289	0.0473	-0.0196	8.5567
457	123	123	2.5066	2.4224	-0.0025	4.9265	8.5326	0.0439	-0.0225	8.554
458	123	124	2.4979	2.422	-0.0018	4.9181	8.5623	0.0356	-0.0262	8.5717
459	122	124	2.4884	2.422	-0.0016	4.9089	8.5807	0.0305	-0.0228	8.5883
460	122	125	2.4779	2.4215	-0.0021	4.8972	8.5995	0.0382	-0.0219	8.6157
461	122	126	2.4677	2.421	-0.0021	4.8866	8.5966	0.0458	-0.0188	8.6236
462	121	127	2.4603	2.4212	-0.0023	4.8792	8.616	0.0602	-0.0179	8.6583
463	127	127	2.4515	2.4218	-0.0022	4.8711	8.6315	0.0737	-0.0179	8.6873
464	129	128	2.441	2.4219	-0.0019	4.861	8.6382	0.0741	-0.0163	8.696
465	130	129	2.4309	2.4218	-0.0016	4.8511	8.6583	0.0623	-0.0098	8.7108
466	132	130	2.4216	2.4223	-0.0015	4.8424	8.6663	0.0585	-0.0057	8.7191
467	133	131	2.4118	2.4228	-0.0016	4.833	8.697	0.0565	-0.0141	8.7394
468	132	131	2.4023	2.4225	-0.0016	4.8231	8.6899	0.0526	-0.0123	8.7302
469	132	132	2.3933	2.4223	-0.0016	4.8141	8.7163	0.0471	-0.0117	8.7517
470	134	133	2.3827	2.4226	-0.0014	4.804	8.7325	0.0471	-0.0169	8.7628
471	135	134	2.3725	2.4227	-0.0012	4.794	8.7403	0.0551	-0.0134	8.7821
472	135	135	2.3646	2.4232	-0.0012	4.7865	8.7806	0.0535	-0.0149	8.8192

473	136	136	2.3554	2.4236	-0.0014	4.7776	8.7949	0.0511	-0.0109	8.8351
474	137	137	2.346	2.4241	-0.0013	4.7687	8.8117	0.0386	-0.0038	8.8465
475	138	138	2.336	2.4249	-0.0014	4.7595	8.8371	0.0455	0.0006	8.8833
476	138	139	2.326	2.425	-0.0013	4.7498	8.8459	0.0525	0.0001	8.8985
477	140	139	2.3175	2.4249	-0.0014	4.741	8.8685	0.0465	-0.0071	8.908
478	140	140	2.3069	2.4244	-0.0017	4.7297	8.8671	0.0362	-0.0087	8.8946
479	142	141	2.2968	2.4242	-0.0017	4.7192	8.887	0.026	-0.0075	8.9055
480	141	142	2.2882	2.4239	-0.0018	4.7103	8.8939	0.0167	-0.0126	8.8979
481	142	142	2.2782	2.4238	-0.0018	4.7003	8.8888	0.0125	-0.0211	8.8802
482	143	143	2.2687	2.4238	-0.0016	4.6909	8.9491	-0.0012	-0.0234	8.9245
483	144	143	2.2579	2.4236	-0.0017	4.6798	8.964	-0.0144	-0.0153	8.9343
484	146	144	2.2496	2.4231	-0.0019	4.6708	8.9881	-0.0169	-0.0093	8.962
485	144	144	2.2419	2.4229	-0.0021	4.6627	8.9989	-0.0088	0.0018	8.9919
486	145	144	2.2334	2.4231	-0.0028	4.6537	9.0079	-0.0065	0.0107	9.0121
487	149	145	2.2257	2.4227	-0.0035	4.6449	9.0383	-0.0056	0.0104	9.0431
488	149	145	2.2169	2.4215	-0.0026	4.6358	9.0633	0.004	0.01	9.0772
489	148	145	2.2075	2.4209	-0.0021	4.6263	9.0732	0.0132	0.012	9.0984
490	146	145	2.1976	2.4212	-0.002	4.6168	9.0649	0.0143	0.0095	9.0887
491	146	146	2.1895	2.4215	-0.0021	4.609	9.0694	0.0178	-0.0002	9.0869
492	145	146	2.1806	2.4221	-0.0022	4.6004	9.0818	0.027	-0.0077	9.1011
493	142	146	2.1704	2.4227	-0.0026	4.5905	9.0958	0.034	-0.0099	9.12
494	142	145	2.1597	2.4232	-0.0028	4.5801	9.1108	0.0306	-0.0092	9.1322
495	146	145	2.1485	2.4233	-0.0035	4.5683	9.1233	0.0174	-0.004	9.1368
496	146	145	2.1385	2.4243	-0.0044	4.5585	9.1452	0.0106	-0.0112	9.1447
497	146	145	2.1286	2.4244	-0.0049	4.5482	9.132	0.0061	-0.0153	9.1227
498	146	145	2.1198	2.4239	-0.0049	4.5387	9.1487	-0.004	-0.0113	9.1334
499	146	145	2.1125	2.4236	-0.0048	4.5313	9.1466	-0.006	-0.013	9.1276
500	147	145	2.1031	2.4235	-0.0044	4.5222	9.3247	-0.0077	-0.4738	8.8431
501	143	145	2.0931	2.4248	-0.0045	4.5134	9.5267	-0.0172	-0.4806	9.0289
502	144	145	2.0864	2.4242	-0.0042	4.5064	9.5571	-0.0168	-0.4673	9.073
503	143	145	2.0762	2.4222	-0.0026	4.4958	9.5471	-0.0099	-0.4603	9.0768
504	143	145	2.0689	2.422	-0.002	4.4888	9.5259	-0.0134	-0.439	9.0734
505	145	145	2.0604	2.4219	-0.0016	4.4807	9.5182	-0.0329	-0.4208	9.0644
506	147	145	2.0529	2.4221	-0.0017	4.4732	9.5089	-0.0443	-0.4108	9.0537
507	148	145	2.0414	2.4224	-0.0015	4.4623	9.4823	-0.0392	-0.4006	9.0425
508	147	145	2.0307	2.4224	-0.0021	4.451	9.4751	-0.0322	-0.3977	9.0451
509	146	145	2.0218	2.4223	-0.0026	4.4415	9.4568	-0.028	-0.3923	9.0365

510	147	145	2.014	2.4214	-0.0026	4.4328	9.4456	-0.021	-0.3884	9.0362
511	146	146	2.0054	2.42	-0.0026	4.4229	9.4223	-0.0292	-0.3955	8.9977
512	144	146	1.9963	2.4189	-0.0026	4.4127	9.4037	-0.0368	-0.4004	8.9665
513	144	147	1.9881	2.4188	-0.0027	4.4041	9.4014	-0.0274	-0.4046	8.9694
514	143	147	1.9786	2.4195	-0.0028	4.3954	9.3817	-0.0164	-0.4078	8.9575
515	145	148	1.97	2.4197	-0.0025	4.3872	9.3745	-0.0218	-0.4253	8.9273
516	145	148	1.9594	2.4198	-0.0018	4.3774	9.3899	-0.0252	-0.4602	8.9045
517	146	148	1.9526	2.4201	-0.002	4.3707	9.3588	-0.0289	-0.4661	8.8638
518	147	148	1.9433	2.4207	-0.0018	4.3622	9.3515	-0.0254	-0.4737	8.8524
519	151	148	1.9345	2.4209	-0.0015	4.3539	9.3231	-0.0345	-0.4763	8.8124
520	152	149	1.9247	2.4206	-0.0016	4.3437	9.2662	-0.0381	-0.4291	8.799
521	152	149	1.9143	2.4206	-0.0013	4.3336	9.2663	-0.04	-0.4157	8.8107
522	153	150	1.9048	2.4209	-0.0015	4.3242	9.2504	-0.0365	-0.4477	8.7662
523	150	150	1.8964	2.4226	-0.0015	4.3175	9.2744	-0.0336	-0.4923	8.7485
524	151	151	1.8866	2.4226	-0.0019	4.3074	9.2976	-0.0344	-0.5269	8.7363
525	152	151	1.8787	2.4227	-0.0022	4.2992	9.1742	-0.0314	-0.4366	8.7062
526	151	152	1.8681	2.4231	-0.0015	4.2896	9.0759	-0.0201	-0.3786	8.6772
527	149	152	1.8601	2.4237	-0.0012	4.2826	9.0172	-0.0167	-0.3511	8.6494
528	151	153	1.8508	2.4244	-0.001	4.2741	8.9748	-0.0162	-0.33	8.6285
529	153	153	1.8405	2.425	-0.0005	4.265	8.911	-0.0117	-0.3213	8.5781
530	154	153	1.831	2.4255	-0.0005	4.2561	8.872	0.0003	-0.3298	8.5426
531	157	153	1.8203	2.4263	-0.0009	4.2457	8.8788	0.009	-0.3584	8.5294
532	154	153	1.8086	2.4269	-0.0018	4.2337	8.8621	0.0142	-0.3724	8.504
533	155	153	1.7996	2.4268	-0.0028	4.2237	8.819	0.015	-0.3507	8.4833
534	155	153	1.7915	2.4259	-0.0037	4.2137	8.8315	0.0148	-0.3642	8.4821
535	154	153	1.7832	2.4246	-0.0041	4.2037	8.8154	0.0148	-0.3773	8.4529
536	153	152	1.7729	2.424	-0.0045	4.1925	8.8517	0.0175	-0.4083	8.4609
537	150	152	1.7625	2.4233	-0.0046	4.1812	8.8557	0.0302	-0.439	8.4469
538	151	152	1.7541	2.423	-0.0047	4.1724	8.843	0.027	-0.4435	8.4265
539	153	152	1.7458	2.4236	-0.0044	4.1649	8.8485	0.0137	-0.4506	8.4116
540	153	151	1.7369	2.4241	-0.0037	4.1572	8.8348	0.0075	-0.4593	8.383
541	152	151	1.7276	2.4238	-0.003	4.1484	8.812	0.0118	-0.4648	8.3591
542	152	151	1.7183	2.4236	-0.0024	4.1395	8.8171	0.0148	-0.48	8.3518
543	152	151	1.71	2.424	-0.0022	4.1318	8.7959	0.0168	-0.4855	8.3272
544	149	151	1.7011	2.425	-0.0023	4.1238	8.7074	0.022	-0.4452	8.2841
545	150	150	1.6918	2.4256	-0.0016	4.1158	8.6311	0.0278	-0.4457	8.2132
546	147	150	1.6846	2.426	-0.0014	4.1092	8.5737	0.0169	-0.4303	8.1603

547	146	150	1.6762	2.4267	-0.0015	4.1014	8.5347	0.0094	-0.432	8.1121
548	147	151	1.6675	2.4268	-0.0017	4.0926	8.5082	0.0021	-0.4398	8.0705
549	148	150	1.6398	2.4263	0.0444	4.1104	8.4853	-0.0095	-0.4319	8.044
550	149	150	1.6119	2.4264	0.0451	4.0833	8.4761	-0.0121	-0.4341	8.0299
551	153	150	1.6005	2.4264	0.0437	4.0705	8.4489	-0.0102	-0.4394	7.9994
552	151	150	1.5937	2.4267	0.0427	4.063	8.4199	0.0013	-0.4488	7.9724
553	152	150	1.5872	2.427	0.0407	4.055	8.4191	-0.0087	-0.4493	7.9611
554	152	149	1.5803	2.4271	0.0393	4.0467	8.3739	-0.0307	-0.4253	7.9178
555	153	149	1.5728	2.4269	0.0385	4.0382	8.3874	-0.0335	-0.4238	7.9301
556	150	149	1.5665	2.4264	0.0374	4.0303	8.3634	-0.0282	-0.452	7.8833
557	153	149	1.5591	2.4256	0.0373	4.022	8.3532	-0.0254	-0.4511	7.8767
558	152	149	1.5522	2.4248	0.0374	4.0145	8.2957	-0.021	-0.4376	7.8371
559	150	149	1.5438	2.4241	0.0373	4.0052	8.2522	-0.0182	-0.4354	7.7986
560	149	149	1.5356	2.4244	0.0374	3.9975	8.2464	-0.0177	-0.4357	7.7931
561	146	148	1.5274	2.4246	0.0379	3.9899	8.2161	-0.0265	-0.4237	7.766
562	145	148	1.5201	2.424	0.0382	3.9823	8.1719	-0.0405	-0.3939	7.7375
563	146	147	1.5133	2.4235	0.0386	3.9754	8.1977	-0.0469	-0.4413	7.7095
564	148	147	1.5036	2.4241	0.0407	3.9683	8.191	-0.0485	-0.4535	7.6889
565	147	146	1.4919	2.4244	0.0444	3.9607	8.1916	-0.0395	-0.471	7.681
566	146	145	1.4857	2.4252	0.0451	3.956	8.1839	-0.0307	-0.4862	7.667
567	147	144	1.4767	2.4253	0.0458	3.9477	8.1294	-0.0328	-0.4751	7.6215
568	146	144	1.47	2.426	0.046	3.9419	8.1013	-0.042	-0.4649	7.5944
569	145	143	1.4667	2.4262	0.0413	3.9342	8.0517	-0.0382	-0.4614	7.552
570	143	142	1.4561	2.4266	0.0402	3.9229	7.9935	-0.0351	-0.4477	7.5108
571	142	142	1.4475	2.4264	0.0435	3.9174	7.9219	-0.0448	-0.4265	7.4506
572	140	141	1.4371	2.4265	0.048	3.9117	7.8817	-0.0509	-0.4228	7.408
573	139	141	1.4257	2.427	0.0513	3.904	7.846	-0.0481	-0.4238	7.3741
574	138	140	1.4286	2.4272	0.0423	3.8981	7.7847	-0.0273	-0.3882	7.3691
575	137	139	1.4284	2.4269	0.0365	3.8918	7.6921	-0.0201	-0.3572	7.3148
576	138	138	1.4243	2.4267	0.0338	3.8848	7.6232	-0.019	-0.336	7.2682
577	138	137	1.4201	2.4265	0.0316	3.8782	7.5576	-0.0157	-0.3416	7.2003
578	137	137	1.4158	2.4256	0.0304	3.8719	7.5243	-0.0119	-0.3404	7.1719
579	135	136	1.4096	2.4242	0.0312	3.865	7.4543	-0.0037	-0.327	7.1236
580	135	135	1.4003	2.423	0.034	3.8573	7.3906	0.0079	-0.3363	7.0622
581	134	134	1.392	2.4224	0.0355	3.8499	7.3524	0.0167	-0.34	7.0291
582	135	133	1.3868	2.4223	0.0335	3.8426	7.3096	0.0274	-0.3575	6.9794
583	132	132	1.3748	2.4221	0.0348	3.8316	7.2592	0.0348	-0.3796	6.9145

584	133	131	1.3681	2.4216	0.0359	3.8255	7.235	0.039	-0.4197	6.8543
585	132	131	1.3567	2.4212	0.0387	3.8166	7.2432	0.0332	-0.4858	6.7906
586	132	130	1.3478	2.4201	0.0411	3.8091	7.2535	0.0177	-0.5319	6.7393
587	129	129	1.3414	2.42	0.0409	3.8023	7.1978	0.011	-0.552	6.6568
588	125	128	1.332	2.4202	0.0424	3.7946	7.1272	-0.0001	-0.549	6.5781
589	124	128	1.324	2.4201	0.0439	3.788	7.0911	-0.0085	-0.5587	6.5239
590	125	127	1.3164	2.42	0.0444	3.7809	7.0396	-0.0046	-0.5546	6.4805
591	125	126	1.3078	2.4201	0.0459	3.7738	6.9898	0.0028	-0.544	6.4487
592	125	125	1.301	2.4204	0.0463	3.7677	6.9503	0.0092	-0.5465	6.413
593	125	125	1.2996	2.4205	0.0419	3.7621	6.913	0.0089	-0.5464	6.3755
594	125	124	1.2966	2.4204	0.0418	3.7588	6.9021	0.0057	-0.5781	6.3296
595	121	124	1.2911	2.4216	0.0396	3.7523	6.869	0.0156	-0.6127	6.2718
596	120	123	1.285	2.4234	0.0388	3.7472	6.816	0.0196	-0.6285	6.2071
597	124	123	1.2778	2.4242	0.0391	3.7411	6.7982	0.0164	-0.6472	6.1673
598	123	122	1.2712	2.4248	0.0383	3.7343	6.7354	0.0229	-0.6357	6.1226
599	120	122	1.2649	2.4248	0.0386	3.7284	6.7108	0.0309	-0.6596	6.0821
600	120	122	1.2582	2.4245	0.0395	3.7223	6.4883	0.0317	-0.2202	6.2999
601	121	121	1.2512	2.4246	0.0404	3.7162	6.2639	0.0478	-0.2404	6.0713
602	121	121	1.2445	2.4251	0.0407	3.7103	6.1926	0.054	-0.2797	5.9669
603	121	121	1.2388	2.4253	0.0399	3.7041	6.1403	0.0641	-0.2896	5.9149
604	124	120	1.2301	2.4254	0.0404	3.6958	6.0931	0.0632	-0.2986	5.8577
605	122	120	1.2241	2.4247	0.0436	3.6923	5.8475	0.0689	-0.3022	5.6143
606	120	120	1.2175	2.4246	0.0434	3.6856	6.2531	0.0604	-0.5593	5.7542
607	119	119	1.2118	2.4245	0.0422	3.6786	6.2515	0.0521	-0.5862	5.7173
608	119	118	1.2054	2.4242	0.0414	3.6711	6.1948	0.0445	-0.5723	5.667
609	119	118	1.1972	2.424	0.041	3.6622	6.1438	0.0298	-0.5508	5.6228
610	118	118	1.1924	2.4241	0.0397	3.6562	6.0772	0.0223	-0.5352	5.5643
611	118	117	1.1882	2.4241	0.0368	3.6491	6.0113	0.0236	-0.5281	5.5068
612	117	116	1.1766	2.4236	0.0416	3.6417	5.945	0.0223	-0.5364	5.4309
613	116	116	1.169	2.4236	0.0426	3.6352	5.8956	0.0105	-0.546	5.36
614	116	115	1.1595	2.4235	0.0443	3.6273	5.8669	-0.0011	-0.551	5.3148
615	114	114	1.1516	2.4228	0.0461	3.6205	5.8126	-0.002	-0.53	5.2806
616	112	113	1.1465	2.4231	0.0457	3.6153	5.7263	-0.0057	-0.4793	5.2413
617	112	112	1.1424	2.4243	0.0445	3.6113	5.6905	-0.0019	-0.4673	5.2213
618	111	112	1.1381	2.4245	0.0444	3.607	5.6179	-0.0034	-0.4557	5.1588
619	111	111	1.1352	2.4244	0.0433	3.6028	5.5705	0.0043	-0.4502	5.1245
620	110	110	1.1325	2.4251	0.0411	3.5987	5.5624	0.0109	-0.5046	5.0687

621	110	109	1.1262	2.4257	0.0409	3.5928	5.528	0.0131	-0.5774	4.9636
622	107	108	1.1202	2.4257	0.0409	3.5868	5.5759	-0.0004	-0.6747	4.9008
623	106	108	1.1179	2.4253	0.0373	3.5805	5.4707	-0.0107	-0.6004	4.8596
624	107	107	1.1174	2.4246	0.0339	3.5759	5.4686	-0.0075	-0.6627	4.7985
625	105	106	1.1163	2.4246	0.0314	3.5724	5.5659	0.0034	-0.782	4.7874
626	105	105	1.1123	2.4247	0.0326	3.5696	5.6449	0.014	-0.871	4.7879
627	105	105	1.1077	2.4249	0.0328	3.5654	5.6159	0.0204	-0.9468	4.6895
628	104	104	1.1054	2.4247	0.0317	3.5618	5.6292	0.0295	-1.0306	4.6281
629	104	103	1.1015	2.4242	0.0331	3.5588	5.666	0.021	-1.0713	4.6157
630	103	102	1.0958	2.4238	0.0335	3.5532	5.6367	0.0052	-1.0875	4.5544
631	102	101	1.0893	2.4235	0.0349	3.5477	5.6278	-0.0137	-1.1264	4.4877
632	102	100	1.0827	2.4234	0.0361	3.5422	5.5969	-0.0308	-1.1347	4.4314
633	102	99.6	1.0761	2.4229	0.0392	3.5382	5.6165	-0.0386	-1.1896	4.3882
634	99.6	98.7	1.0672	2.4226	0.0449	3.5346	5.5297	-0.0469	-1.2001	4.2827
635	98.2	97.9	1.0579	2.4228	0.0491	3.5297	5.4794	-0.048	-1.1981	4.2333
636	96.9	97	1.0531	2.4229	0.0507	3.5268	5.3997	-0.0533	-1.194	4.1524
637	96.3	96	1.0498	2.4233	0.0503	3.5234	6.3666	-0.0647	-3.515	2.7869
638	95	95.1	1.045	2.4238	0.0511	3.52	6.4998	-0.0763	-2.3547	4.0688
639	93.7	94.2	1.0418	2.424	0.051	3.5169	6.29	-0.0726	-2.0822	4.1351
640	92.9	93.2	1.0379	2.4238	0.0507	3.5123	6.2095	-0.0752	-2.0976	4.0367
641	91	92.3	1.0325	2.4229	0.0517	3.5071	6.16	-0.0787	-2.1148	3.9665
642	90.4	91.4	1.027	2.4227	0.0522	3.5019	6.0696	-0.0792	-2.0855	3.9049
643	90.5	90.5	1.0198	2.4234	0.0556	3.4988	6.0452	-0.0716	-2.1124	3.8612
644	90.2	89.7	1.0142	2.4235	0.0589	3.4966	6.0802	-0.0699	-2.189	3.8212
645	87.9	88.8	1.0102	2.4237	0.0613	3.4951	6.0746	-0.0782	-2.2001	3.7964
646	86.8	87.9	1.0048	2.4244	0.0633	3.4925	6.0463	-0.0704	-2.2326	3.7433
647	86.6	86.9	1.0027	2.4244	0.0621	3.4891	6.0189	-0.0493	-2.2498	3.7198
648	85.5	86	0.9964	2.4237	0.0643	3.4844	5.9648	-0.0301	-2.2497	3.6851
649	83.2	85	0.9909	2.4231	0.0664	3.4804	5.9014	-0.0077	-2.2584	3.6353
650	85.8	84	0.9855	2.4216	0.0691	3.4762	5.8376	0.009	-2.2548	3.5918
651	85	83.1	0.9812	2.421	0.0716	3.4738	5.7599	0.0181	-2.2347	3.5434
652	84.2	82.2	0.9796	2.4202	0.0717	3.4716	5.6824	0.029	-2.2095	3.5019
653	83.6	81.2	0.9779	2.4207	0.0706	3.4692	5.6362	0.0403	-2.2192	3.4572
654	82.3	80.2	0.9955	2.4202	0.0695	3.4853	5.5937	0.0448	-2.235	3.4035
655	79.2	79.2	0.9475	2.4208	0.0944	3.4628	5.509	0.0439	-2.2368	3.3161
656	77.8	78.2	0.9414	2.4212	0.096	3.4586	5.4474	0.0395	-2.2008	3.286
657	76.8	77.2	0.9397	2.4211	0.0945	3.4553	5.3887	0.0311	-2.2062	3.2135

658	74.7	76.2	0.9379	2.4218	0.0925	3.4522	5.3339	0.0228	-2.2219	3.1348
659	74.4	75.2	0.9361	2.4219	0.0908	3.4488	5.2772	0.0148	-2.2312	3.0607
660	74.1	74	0.9345	2.422	0.0903	3.4468	5.2022	0.0049	-2.239	2.9682
661	72.9	72.9	0.9329	2.4224	0.0916	3.4468	5.1631	-0.0053	-2.2467	2.9111
662	71.8	71.8	0.9306	2.4229	0.0928	3.4463	5.1278	-0.007	-2.2718	2.849
663	70.6	70.8	0.9266	2.4236	0.0937	3.4439	5.0206	-0.0151	-2.2126	2.7929
664	69.4	69.9	0.9223	2.4243	0.0937	3.4403	4.9394	-0.0187	-2.1744	2.7464
665	68.4	69.1	0.9193	2.4249	0.0923	3.4366	4.8474	-0.0201	-2.1633	2.664
666	67.3	68.3	0.9167	2.4254	0.0918	3.4339	4.7713	-0.0226	-2.1513	2.5974
667	66.2	67.7	0.9149	2.4256	0.0913	3.4318	4.7186	-0.0152	-2.157	2.5464
668	64	67.1	0.9129	2.4255	0.091	3.4294	4.6695	0.0079	-2.1708	2.5067
669	63.3	66.5	0.9104	2.4251	0.0918	3.4273	4.6152	0.0168	-2.1651	2.4669
670	63.8	65.9	0.9033	2.4253	0.0979	3.4265	4.5969	0.0237	-2.1875	2.4332
671	64	65.3	0.8899	2.4264	0.111	3.4273	4.5654	0.0379	-2.1957	2.4076
672	64.8	64.8	0.8901	2.4276	0.1081	3.4257	4.4933	0.0408	-2.1975	2.3366
673	64.5	64.3	0.8788	2.4278	0.1176	3.4242	4.4336	0.0324	-2.2055	2.2606
674	63.4	63.8	0.872	2.4269	0.1205	3.4194	4.4209	0.0141	-2.2428	2.1922
675	63.6	63.2	0.8639	2.4255	0.1236	3.413	4.4206	-0.0045	-2.2653	2.1508
676	64.3	62.6	0.8627	2.4247	0.1285	3.4159	4.4073	-0.0136	-2.2809	2.1128
677	63.8	62.1	0.8571	2.4236	0.1346	3.4154	4.3765	-0.0149	-2.2622	2.0994
678	63.5	61.7	0.8492	2.4235	0.1376	3.4103	4.3432	-0.0211	-2.2566	2.0654
679	62.4	61.3	0.8459	2.4236	0.14	3.4095	4.3279	-0.0272	-2.2651	2.0357
680	62.5	60.8	0.8375	2.4243	0.1467	3.4085	4.2859	-0.0342	-2.2377	2.014
681	62	60.2	0.8323	2.4255	0.149	3.4067	4.2311	-0.0401	-2.2221	1.9688
682	60.2	59.6	0.8251	2.4262	0.1524	3.4038	4.1817	-0.0466	-2.2155	1.9196
683	59.6	58.9	0.8218	2.4268	0.1548	3.4033	4.1176	-0.0528	-2.2043	1.8605
684	57	58.2	0.8201	2.4264	0.1557	3.4022	4.7723	-0.2317	-3.2234	1.3173
685	57.1	57.6	0.8168	2.4265	0.1581	3.4014	5.3163	-0.2237	-3.4614	1.6312
686	56.3	56.9	0.7111	2.4266	0.3926	3.5304	5.3425	-0.1637	-3.4099	1.769
687	56.5	56.1	0.6914	2.4276	0.2764	3.3954	5.2958	-0.1287	-3.4138	1.7533
688	54.5	55.2	0.703	2.4274	0.2507	3.3811	5.2645	-0.0974	-3.4557	1.7115
689	54.4	54.3	0.7031	2.4277	0.2536	3.3843	5.2308	-0.0724	-3.4649	1.6935
690	53.3	53.4	0.7004	2.4279	0.2559	3.3842	5.1876	-0.0673	-3.4525	1.6679
691	52.6	52.4	0.7009	2.428	0.2544	3.3833	5.1516	-0.0658	-3.455	1.6308
692	52	51.4	0.6965	2.4275	0.2576	3.3816	5.135	-0.063	-3.4864	1.5856
693	51.2	50.4	0.6916	2.4275	0.2608	3.38	5.086	-0.0577	-3.4871	1.5412
694	51.3	49.6	0.6891	2.4282	0.2618	3.3791	5.0038	-0.045	-3.4413	1.5175

695	50.6	48.7	0.6864	2.4287	0.2628	3.3779	4.9393	-0.0381	-3.3897	1.5115
696	48.9	47.7	0.6832	2.4283	0.2638	3.3753	4.899	-0.0327	-3.3642	1.502
697	47.1	46.8	0.6813	2.4272	0.264	3.3726	4.8356	-0.0266	-3.336	1.4731
698	45.5	45.9	0.6811	2.4256	0.2641	3.3708	4.8091	-0.0336	-3.3328	1.4427
699	44.1	45	0.6812	2.4239	0.2641	3.3692	4.7612	-0.0486	-3.3127	1.3999
700	42.7	44.2	0.6822	2.4227	0.263	3.368	4.6975	-0.064	-3.271	1.3626
701	41.8	43.4	0.6829	2.4217	0.2613	3.366	4.6333	-0.0891	-3.2229	1.3214
702	41.6	42.6	0.6809	2.421	0.2627	3.3646	4.5902	-0.1117	-3.1806	1.2979
703	40.4	41.8	0.6795	2.4208	0.2634	3.3637	4.5755	-0.1428	-3.1646	1.268
704	39.7	41.1	0.6792	2.421	0.264	3.3642	4.5642	-0.1639	-3.1716	1.2287
705	38.7	40.3	0.6793	2.4208	0.2636	3.3637	4.7478	-0.1932	-3.1751	1.3795
706	38.3	39.7	0.6787	2.4215	0.2641	3.3642	4.2662	-0.2026	-2.9028	1.1608
707	38	39.1	0.6784	2.4222	0.2644	3.3651	4.1912	-0.2088	-2.8501	1.1322
708	37.6	38.7	0.6777	2.4228	0.2645	3.365	4.1565	-0.2106	-2.8369	1.109
709	37	38.2	0.677	2.4235	0.2649	3.3654	4.1484	-0.2073	-2.8502	1.0909
710	38	37.8	0.6761	2.4246	0.2644	3.3651	4.1489	-0.2129	-2.8658	1.0702
711	36.5	37.4	0.6754	2.4248	0.264	3.3642	4.1417	-0.2167	-2.862	1.063
712	37.2	37	0.6745	2.4251	0.2628	3.3624	4.119	-0.2199	-2.8302	1.069
713	37.2	36.6	0.6751	2.4255	0.2601	3.3606	4.0874	-0.2093	-2.8034	1.0747
714	36	36.3	0.6747	2.4255	0.2607	3.3609	4.0502	-0.205	-2.782	1.0632
715	36.5	35.9	0.6745	2.425	0.2613	3.3608	3.9847	-0.1952	-2.7578	1.0317
716	36.9	35.4	0.6746	2.4246	0.2614	3.3606	3.9603	-0.1828	-2.779	0.9984
717	36.3	34.9	0.6755	2.4235	0.2616	3.3606	3.9525	-0.1841	-2.8079	0.9604
718	35.4	34.5	0.6766	2.4229	0.2609	3.3603	3.9297	-0.1866	-2.8086	0.9345
719	35	34	0.6755	2.422	0.262	3.3595	3.9363	-0.212	-2.8051	0.9192
720	35	33.5	0.676	2.4213	0.2606	3.3579	3.8968	-0.2365	-2.7468	0.9134
721	33.7	33.1	0.6768	2.4216	0.2607	3.3591	3.822	-0.2471	-2.6705	0.9045
722	33.3	32.7	0.6768	2.4224	0.2615	3.3607	3.6679	-0.2461	-2.4755	0.9463
723	32.4	32.3	0.6758	2.4239	0.2616	3.3613	3.7095	-0.2518	-2.5231	0.9346
724	31	32	0.6754	2.4251	0.2604	3.3608	3.5958	-0.2688	-2.4091	0.9178
725	29.1	31.6	0.6756	2.4259	0.2595	3.3611	3.5197	-0.2862	-2.3596	0.8738
726	29.3	31.3	0.6746	2.4262	0.2588	3.3597	3.436	-0.302	-2.3191	0.8148
727	29.2	31	0.6734	2.427	0.2585	3.3588	3.4225	-0.3125	-2.2548	0.8552
728	28.5	30.8	0.6726	2.4274	0.2582	3.3582	3.3697	-0.3235	-2.1864	0.8598
729	27.9	30.6	0.6729	2.4277	0.2569	3.3574	3.2713	-0.3215	-2.1304	0.8193
730	28.9	30.4	0.6727	2.4279	0.2557	3.3563	3.2123	-0.3232	-2.0762	0.8128
731	28.9	30.3	0.6711	2.4282	0.2564	3.3558	3.1137	-0.3188	-1.9988	0.7961

732	30	30.2	0.6709	2.4287	0.2565	3.3562	3.0575	-0.31	-1.974	0.7735
733	30.5	30.1	0.5989	2.446	0.3615	3.4065	2.9955	-0.3118	-1.9409	0.7427
734	29.9	30	0.5355	2.4449	0.3911	3.3715	2.9823	-0.3047	-1.9346	0.743
735	30.6	30	0.5236	2.4392	0.3901	3.3528	2.9785	-0.2964	-1.9443	0.7378
736	30.7	30	0.5236	2.4358	0.3921	3.3515	2.9436	-0.2896	-1.9136	0.7405
737	31.1	30	0.5233	2.433	0.3959	3.3522	1.8816	-0.2812	0.4334	2.0339
738	31.2	30	0.5219	2.4311	0.3976	3.3507	1.6882	-0.2647	-0.7397	0.6838
739	31.6	30	0.523	2.4308	0.3963	3.3501	1.8013	-0.2705	-0.9948	0.536
740	31.4	29.9	0.5228	2.4303	0.3962	3.3493	1.8176	-0.2611	-0.9794	0.5771
741	30.8	29.8	0.519	2.4292	0.4003	3.3485	1.8144	-0.2547	-0.9625	0.5972
742	30.6	29.6	0.5184	2.4284	0.4009	3.3478	1.8353	-0.24	-0.9908	0.6045
743	29.6	29.4	0.5194	2.4279	0.3997	3.3471	1.7855	-0.2182	-0.9614	0.6059
744	29.3	29.3	0.5203	2.4273	0.3979	3.3455	1.7355	-0.2237	-0.911	0.6008
745	29.3	29	0.5203	2.427	0.3977	3.3449	1.6959	-0.1972	-0.9028	0.596
746	28.9	28.8	0.5212	2.427	0.3969	3.3452	1.6565	-0.1975	-0.8658	0.5932
747	28	28.6	0.5217	2.4278	0.3954	3.3449	1.6214	-0.1819	-0.8759	0.5637
748	27.7	28.4	0.5203	2.4286	0.3955	3.3444	1.5832	-0.1926	-0.8517	0.5388
749	27.7	28.2	0.5212	2.4295	0.3935	3.3442	1.5807	-0.2022	-0.8591	0.5193
750	27.4	28	0.5222	2.4305	0.3914	3.344	1.5769	-0.2148	-0.8642	0.4979
751	26.8	27.8	0.5222	2.4322	0.3897	3.344	1.5974	-0.244	-0.8609	0.4925
752	26.6	27.7	0.5221	2.4345	0.3882	3.3448	1.6117	-0.2549	-0.8867	0.4701
753	26.7	27.6	0.5215	2.4371	0.3878	3.3463	1.595	-0.265	-0.8544	0.4756
754	26.2	27.5	0.5208	2.4395	0.387	3.3473	1.6003	-0.2694	-0.8438	0.4871
755	26.6	27.4	0.5209	2.4411	0.3847	3.3467	1.596	-0.2684	-0.8361	0.4914
756	27.3	27.3	0.5223	2.442	0.3811	3.3454	1.5885	-0.2635	-0.8264	0.4987
757	27.5	27.3	0.524	2.4422	0.3782	3.3444	1.5705	-0.2556	-0.8119	0.503
758	27.4	27.2	0.523	2.4426	0.3775	3.3431	1.5557	-0.2451	-0.8008	0.5099
759	27.4	27.1	0.5212	2.4432	0.3774	3.3418	1.5454	-0.2345	-0.7884	0.5225
760	27.8	27.1	0.5203	2.4437	0.3765	3.3405	1.535	-0.2273	-0.771	0.5368
761	27.8	27	0.521	2.4444	0.3746	3.3399	1.5237	-0.2199	-0.7709	0.5329
762	28	27	0.5218	2.4438	0.3731	3.3388	1.5177	-0.2203	-0.7776	0.5198
763	28	26.9	0.5216	2.4441	0.3719	3.3376	1.5019	-0.2294	-0.7805	0.4921
764	27.7	26.9	0.5239	2.4438	0.3694	3.3371	1.5106	-0.2526	-0.8088	0.4491
765	27.1	26.9	0.5233	2.4432	0.3702	3.3367	1.5543	-0.2689	-0.8315	0.4539
766	26.5	26.9	0.5214	2.4438	0.3726	3.3378	1.542	-0.2728	-0.8041	0.4652
767	26.6	26.9	0.5219	2.4443	0.3722	3.3384	1.5272	-0.2963	-0.7575	0.4734
768	25.7	26.9	0.5193	2.4467	0.3715	3.3375	1.5134	-0.3262	-0.7064	0.4808

769	26.4	26.9	0.5208	2.4487	0.3665	3.3359	1.5269	-0.3557	-0.6909	0.4802
770	25.9	26.8	0.5211	2.45	0.365	3.3361	1.5353	-0.3702	-0.679	0.486
771	25.6	26.8	0.5231	2.451	0.3586	3.3327	1.5341	-0.3778	-0.6778	0.4786
772	25.7	26.7	0.5191	2.4528	0.3604	3.3323	1.5268	-0.3569	-0.6717	0.4982
773	25.8	26.6	0.5192	2.4546	0.3585	3.3324	1.5227	-0.3533	-0.6559	0.5135
774	26.4	26.5	0.52	2.4555	0.3565	3.332	1.5155	-0.3532	-0.6279	0.5344
775	27.1	26.5	0.5203	2.4557	0.3555	3.3315	1.5231	-0.3445	-0.6421	0.5365
776	27.4	26.4	0.5205	2.4559	0.354	3.3304	1.5323	-0.33	-0.6524	0.5499
777	27.6	26.3	0.5202	2.4559	0.3533	3.3294	1.5257	-0.3223	-0.6543	0.549
778	27.4	26.3	0.5221	2.4557	0.3506	3.3283	1.6921	-0.1536	-0.9833	0.5551
779	27	26.3	0.5247	2.456	0.3476	3.3283	1.7397	-0.1328	-1.0485	0.5584
780	26.9	26.3	0.5261	2.4562	0.3466	3.3289	1.7298	-0.145	-1.0188	0.566
781	26.8	26.3	0.5266	2.4565	0.3464	3.3294	1.7264	-0.138	-1.0294	0.5591
782	26.4	26.4	0.5256	2.4574	0.3465	3.3295	1.7159	-0.1262	-1.0315	0.5582
783	26.2	26.5	0.5236	2.4572	0.3482	3.329	1.7153	-0.1185	-1.0386	0.5582
784	26.1	26.5	0.5223	2.456	0.3501	3.3284	0.9876	0.0473	0.0154	1.0503
785	25.1	26.5	0.5224	2.4555	0.3495	3.3273	0.3741	0.0256	0.308	0.7076
786	24.9	26.5	0.523	2.4547	0.3493	3.327	0.2665	-0.038	0.2974	0.5258
787	25.4	26.5	0.5226	2.4541	0.3503	3.327	0.2714	-0.0833	0.3313	0.5194
788	25.5	26.5	0.5229	2.4545	0.3501	3.3275	0.268	-0.1206	0.3849	0.5323
789	25.7	26.5	0.5213	2.4538	0.3516	3.3266	0.2557	-0.1413	0.4108	0.5252
790	26.9	26.5	0.519	2.4533	0.3522	3.3245	0.269	-0.1458	0.4122	0.5354
791	27.1	26.5	0.5173	2.452	0.3535	3.3229	0.2748	-0.1505	0.4126	0.5369
792	27.2	26.5	0.5179	2.4494	0.3537	3.321	0.2382	-0.1647	0.4608	0.5344
793	26.8	26.4	0.5181	2.4499	0.3519	3.3199	0.2363	-0.1735	0.4746	0.5374
794	27.5	26.3	0.5195	2.4479	0.3521	3.3195	0.2481	-0.176	0.4638	0.5359
795	27.3	26.3	0.5208	2.4484	0.3494	3.3186	0.2543	-0.1899	0.463	0.5275
796	27.3	26.3	0.521	2.4465	0.3514	3.3189	0.2528	-0.2008	0.4772	0.5292
797	27.2	26.3	0.523	2.4465	0.3492	3.3187	0.2766	-0.1988	0.4623	0.5401
798	27.6	26.3	0.523	2.4458	0.3501	3.3189	0.2885	-0.1829	0.4395	0.5451
799	26.7	26.3	0.5235	2.4454	0.3505	3.3194	0.2747	-0.16	0.4369	0.5516
800	26.3	26.3	0.5225	2.4471	0.3491	3.3187	0.2782	-0.1504	0.4293	0.557
801	25.5	26.2	0.5217	2.4472	0.35	3.319	0.279	-0.1404	0.4161	0.5546
802	24.9	26.2	0.5214	2.4475	0.3481	3.317	0.2777	-0.1111	0.3998	0.5664
803	24.9	26.2	0.5194	2.4478	0.3478	3.315	0.2731	-0.0849	0.3809	0.569
804	25	26.2	0.5196	2.4478	0.3476	3.3151	0.2651	-0.07	0.3842	0.5793
805	25.1	26.1	0.5205	2.4471	0.3463	3.3139	0.2637	-0.0517	0.3716	0.5836

806	25.1	26.1	0.5216	2.4471	0.3452	3.3139	0.2664	-0.0341	0.3507	0.583
807	25.3	26	0.5229	2.4467	0.3445	3.3141	0.2764	-0.0218	0.3232	0.5778
808	25.9	25.9	0.5232	2.4462	0.3434	3.3128	0.2892	-0.0223	0.3009	0.5677
809	26.3	25.9	0.5235	2.4463	0.342	3.3117	0.288	-0.024	0.2884	0.5524
810	26.4	25.9	0.5237	2.4466	0.3415	3.3118	0.2995	-0.0186	0.2699	0.5508
811	26.4	26	0.5236	2.4468	0.3418	3.3122	0.3151	-0.0107	0.2533	0.5577
812	26.7	26.1	0.5243	2.448	0.3409	3.3132	0.3276	-0.002	0.2409	0.5665
813	26.8	26.2	0.524	2.4507	0.3409	3.3157	0.3422	-0.0096	0.2323	0.5649
814	26.7	26.3	0.5193	2.4524	0.3438	3.3155	0.3195	0.0042	0.2272	0.5509
815	26	26.4	0.5203	2.4523	0.3417	3.3143	0.3283	0.0093	0.2246	0.5621
816	25.7	26.6	0.5219	2.4543	0.3371	3.3133	0.3205	0.0051	0.2487	0.5742
817	25.9	26.7	0.5241	2.4562	0.3322	3.3125	0.2953	0.0156	0.2774	0.5884
818	26.7	26.8	0.5239	2.4584	0.33	3.3123	0.2791	0.0451	0.2777	0.6018
819	26.6	26.9	0.522	2.4591	0.3299	3.3109	0.2368	0.0761	0.275	0.5879
820	26.8	27	0.5225	2.4591	0.3284	3.3101	0.2659	0.0939	0.2162	0.5759
821	26.8	27.1	0.5241	2.4573	0.3279	3.3093	0.2725	0.1053	0.2042	0.5821
822	27.1	27.3	0.5246	2.4578	0.327	3.3094	0.3075	0.1142	0.1334	0.555
823	27.3	27.4	0.5243	2.4592	0.3244	3.3079	0.2757	0.1343	0.1507	0.5607
824	27.3	27.5	0.523	2.4595	0.3246	3.3072	0.2766	0.1566	0.1261	0.5593
825	27.8	27.7	0.5224	2.4589	0.3248	3.3061	0.2775	0.1676	0.1101	0.5552
826	27.9	27.9	0.5221	2.4584	0.3243	3.3048	0.2684	0.1713	0.1135	0.5533
827	27.7	28	0.5042	2.4424	0.3568	3.3033	0.2698	0.1781	0.0982	0.5461
828	28	28.1	0.4987	2.4407	0.363	3.3024	0.2809	0.1763	0.0798	0.537
829	28.6	28.2	0.4999	2.4422	0.3587	3.3008	0.318	0.1654	0.0475	0.5309
830	29.1	28.3	0.5	2.4416	0.3587	3.3004	0.3513	0.1646	0.0279	0.5438
831	29.6	28.3	0.4996	2.4408	0.3596	3.3	0.365	0.1758	0.0261	0.5668
832	29.1	28.2	0.4994	2.4405	0.3604	3.3003	0.3712	0.1955	0.0214	0.5881
833	29.3	28.2	0.5001	2.4413	0.36	3.3015	0.3655	0.2178	0.0278	0.611
834	29.1	28.1	0.4981	2.4424	0.3603	3.3007	0.3497	0.2227	0.0604	0.6327
835	28.8	28	0.497	2.443	0.3603	3.3003	0.3478	0.2164	0.0839	0.6481
836	28.8	28	0.4964	2.4441	0.359	3.2995	0.3743	0.2212	0.072	0.6675
837	28.9	27.9	0.4965	2.4451	0.3574	3.299	0.3715	0.2241	0.0878	0.6834
838	28.3	27.9	0.4964	2.4452	0.3565	3.2981	0.3551	0.2169	0.0956	0.6676
839	27.3	27.8	0.4961	2.4454	0.355	3.2965	0.3523	0.2234	0.0796	0.6553
840	27	27.8	0.4953	2.4454	0.3549	3.2956	0.3504	0.2007	0.0845	0.6356
841	26.4	27.7	0.4952	2.4457	0.3542	3.2951	0.3346	0.1855	0.0834	0.6035
842	25.9	27.6	0.4948	2.4458	0.3535	3.2941	0.3238	0.1713	0.0895	0.5846

843	26.1	27.5	0.4946	2.4455	0.3534	3.2935	0.3453	0.135	0.0799	0.5602
844	26.3	27.4	0.4949	2.4463	0.3516	3.2927	0.3646	0.1301	0.0541	0.5489
845	27	27.4	0.495	2.447	0.35	3.292	0.3799	0.1054	0.0521	0.5374
846	27.4	27.3	0.4936	2.4469	0.3507	3.2912	0.39	0.1016	0.0252	0.5169
847	27	27.2	0.4929	2.446	0.3514	3.2904	0.3946	0.0713	0.0477	0.5135
848	27.5	27.2	0.4928	2.4446	0.3519	3.2892	0.413	0.0658	0.0295	0.5084
849	27.9	27.2	0.4934	2.4445	0.3506	3.2885	0.4117	0.0608	0.0379	0.5104
850	27.9	27.2	0.4943	2.4446	0.3498	3.2886	0.4212	0.0505	0.0412	0.5129
851	27.7	27.2	0.4944	2.4433	0.3497	3.2874	0.4246	0.0623	0.0232	0.51
852	27.7	27.2	0.4948	2.443	0.3501	3.2879	0.4239	0.0652	0.029	0.5181
853	27.4	27.3	0.495	2.4441	0.3493	3.2884	0.4188	0.067	0.0149	0.5006
854	27.3	27.3	0.4944	2.4447	0.3499	3.289	0.4002	0.0662	0.02	0.4864
855	27.5	27.3	0.4943	2.4445	0.3496	3.2884	0.3996	0.0706	0.0223	0.4926
856	27.5	27.3	0.4946	2.4442	0.3487	3.2876	0.4019	0.0674	0.0192	0.4886
857	27.2	27.3	0.4951	2.4444	0.3481	3.2877	0.4113	0.0664	0.0221	0.4998
858	27.2	27.2	0.4942	2.445	0.3487	3.2878	0.4326	0.0659	0.0147	0.5132
859	27	27.2	0.4913	2.445	0.3504	3.2867	0.4491	0.0608	0.0056	0.5156
860	26.8	27.1	0.4888	2.4448	0.3511	3.2847	0.4525	0.06	0.0091	0.5216
861	27	26.9	0.4882	2.4446	0.3505	3.2833	0.4455	0.0675	0.024	0.537
862	26.8	26.8	0.4876	2.4448	0.3499	3.2823	0.4291	0.0822	0.0324	0.5437
863	27.1	26.7	0.4896	2.4437	0.3492	3.2825	0.4319	0.105	0.0236	0.5604
864	26.7	26.5	0.491	2.4428	0.347	3.2809	0.4307	0.1422	0.0262	0.5991
865	27.3	26.2	0.4912	2.4427	0.3454	3.2793	0.3852	0.1601	0.0566	0.6019
866	27	26	0.4919	2.4422	0.3448	3.279	0.3961	0.1576	0.0446	0.5984
867	26.9	25.8	0.494	2.4398	0.3444	3.2782	0.4131	0.1779	0.0108	0.6018
868	26.4	25.6	0.4956	2.4391	0.344	3.2787	0.4415	0.1942	-0.0341	0.6017
869	25.7	25.4	0.4942	2.4393	0.3448	3.2784	0.4439	0.2158	-0.0582	0.6016
870	25.3	25.2	0.4938	2.4395	0.3446	3.2779	0.4192	0.2251	-0.0588	0.5855
871	25.3	25.1	0.4923	2.4396	0.3452	3.2772	0.4289	0.2307	-0.0805	0.5791
872	24.6	24.9	0.4915	2.4393	0.3453	3.2762	0.4485	0.2172	-0.0899	0.5758
873	23.6	24.8	0.4916	2.439	0.3459	3.2765	0.452	0.2138	-0.0935	0.5723
874	23	24.6	0.4923	2.4387	0.3455	3.2765	0.4403	0.2308	-0.1191	0.552
875	23.2	24.5	0.4935	2.4385	0.3442	3.2762	0.4312	0.2306	-0.1252	0.5365
876	23.2	24.4	0.4935	2.4381	0.3442	3.2757	0.4223	0.2108	-0.1182	0.5149
877	23.5	24.3	0.4921	2.4383	0.3453	3.2757	0.4188	0.1907	-0.1267	0.4828
878	23.6	24.2	0.4903	2.4391	0.3458	3.2753	0.2458	0.0115	0.2012	0.4585
879	23.3	24.2	0.4896	2.4395	0.3448	3.2739	0.203	-0.0213	0.2591	0.4407

880	23.6	24.1	0.4897	2.4386	0.3439	3.2722	0.2282	-0.0182	0.2111	0.4211
881	24	24.1	0.4894	2.4369	0.3442	3.2706	0.2329	-0.028	0.219	0.4239
882	24.3	24.2	0.4891	2.4356	0.3437	3.2684	0.2185	-0.0349	0.24	0.4236
883	24.5	24.2	0.4886	2.435	0.3422	3.2658	0.1984	-0.0417	0.2726	0.4293
884	24.7	24.3	0.4875	2.4344	0.3417	3.2636	0.2038	-0.0388	0.2673	0.4323
885	24.6	24.4	0.485	2.4333	0.3423	3.2606	0.1874	-0.0286	0.2598	0.4185
886	24.8	24.5	0.4858	2.4323	0.3405	3.2586	0.178	-0.0208	0.2597	0.417
887	25.1	24.6	0.4871	2.4324	0.3408	3.2602	0.1767	-0.0065	0.2459	0.4161
888	25.1	24.7	0.4876	2.4321	0.3422	3.262	0.1829	0.0028	0.2353	0.421
889	24.7	24.9	0.4863	2.4337	0.3431	3.2631	0.2035	0.0032	0.2299	0.4367
890	25.2	25.1	0.4855	2.4348	0.3438	3.2641	0.2195	0.0036	0.2148	0.4379
891	25.4	25.3	0.485	2.4349	0.3446	3.2644	0.2073	0.005	0.222	0.4343
892	25.1	25.5	0.4834	2.4359	0.3457	3.265	0.2025	0.0133	0.2291	0.4449
893	24.8	25.7	0.4816	2.4369	0.3465	3.265	0.2004	0.0201	0.2274	0.4479
894	24.5	25.9	0.4815	2.4374	0.3469	3.2658	0.1957	0.0214	0.2328	0.4499
895	24.6	26.2	0.4818	2.4382	0.3469	3.2669	0.194	0.0351	0.2241	0.4533
896	25.4	26.4	0.4816	2.4394	0.3466	3.2675	0.1975	0.0542	0.2123	0.464
897	26.1	26.5	0.4817	2.4399	0.3463	3.2679	0.1884	0.0625	0.2157	0.4666
898	26.4	26.6	0.4818	2.4397	0.3463	3.2678	0.1779	0.0568	0.2321	0.4669
899	27.1	26.8	0.4814	2.4403	0.3464	3.2681	0.1752	0.0536	0.2395	0.4684
900	27.9	26.9	0.48	2.4409	0.3468	3.2677	0.1797	0.0513	0.2463	0.4773
901	28.6	27	0.4794	2.4407	0.3471	3.2672	0.2003	0.0506	0.2339	0.4848
902	28.8	27.1	0.4795	2.4408	0.3466	3.267	0.2041	0.0523	0.2321	0.4885
903	28.7	27.2	0.4794	2.4411	0.3458	3.2664	0.1947	0.0586	0.2394	0.4927
904	28.8	27.4	0.4797	2.4407	0.3454	3.2658	0.1957	0.07	0.2351	0.5008
905	28.6	27.5	0.4803	2.4404	0.3444	3.265	0.1837	0.068	0.2434	0.4951
906	27.6	27.6	0.4805	2.4404	0.343	3.2639	0.18	0.0626	0.2353	0.4779
907	27.2	27.6	0.4796	2.4402	0.343	3.2628	0.176	0.0623	0.223	0.4613
908	27.6	27.7	0.4783	2.4401	0.3428	3.2612	0.1927	0.0544	0.2088	0.4559
909	27.6	27.7	0.4782	2.4403	0.3411	3.2596	0.1926	0.044	0.2212	0.4579
910	27.7	27.7	0.4792	2.4399	0.3391	3.2581	0.1661	0.0334	0.2496	0.4491
911	27.2	27.6	0.4807	2.4386	0.3385	3.2579	0.1515	0.0264	0.2695	0.4475
912	26.9	27.5	0.4811	2.4375	0.3385	3.2572	0.1518	0.0234	0.271	0.4461
913	27.3	27.3	0.4809	2.4365	0.3383	3.2558	0.1471	0.0282	0.2693	0.4447
914	26.8	27.1	0.4808	2.4364	0.3382	3.2553	0.1799	0.0216	0.2625	0.464
915	26.9	26.9	0.4807	2.4366	0.3372	3.2545	0.1981	0.015	0.2503	0.4634
916	27.4	26.7	0.4806	2.4365	0.3361	3.2531	0.1846	0.014	0.2484	0.4469

917	27.4	26.5	0.48	2.4367	0.3356	3.2524	0.1868	0.0129	0.2377	0.4374
918	26.8	26.3	0.4795	2.4368	0.3358	3.2522	0.2128	-0.0074	0.2225	0.4279
919	28.1	26	0.4801	2.4365	0.3358	3.2524	0.2351	-0.0221	0.2196	0.4326
920	27.2	25.7	0.4797	2.436	0.3365	3.2521	0.2217	-0.0235	0.2378	0.4359
921	26.1	25.4	0.4793	2.4356	0.3369	3.2517	0.2183	-0.0195	0.2431	0.4419
922	26.1	25.1	0.4794	2.4364	0.3364	3.2521	0.2126	-0.0131	0.2567	0.4562
923	25.2	24.9	0.4803	2.4361	0.3363	3.2527	0.2107	-0.0165	0.2556	0.4498
924	23.8	24.7	0.4799	2.4365	0.3371	3.2535	0.2136	-0.0167	0.26	0.457
925	24.1	24.6	0.4802	2.4379	0.3366	3.2546	0.2159	-0.0131	0.2484	0.4512
926	23.6	24.5	0.4802	2.4393	0.3369	3.2565	0.2328	-0.0169	0.2286	0.4445
927	22.7	24.4	0.4796	2.4412	0.3367	3.2575	0.2378	-0.0165	0.2252	0.4464
928	22.3	24.3	0.4784	2.4428	0.3371	3.2583	0.2241	-0.0082	0.2398	0.4557
929	22	24.2	0.4771	2.444	0.3376	3.2587	0.2238	0.0005	0.248	0.4723
930	21.8	24.2	0.4768	2.4445	0.3368	3.258	0.2319	0.0088	0.2383	0.479
931	22.1	24.3	0.4777	2.4443	0.3356	3.2576	0.2363	0.0061	0.2318	0.4742
932	23.2	24.3	0.4796	2.4447	0.3331	3.2574	0.2304	-0.0104	0.2444	0.4644
933	23.4	24.3	0.4798	2.4452	0.3333	3.2582	0.2294	-0.0216	0.2379	0.4457
934	24.8	24.4	0.4794	2.4452	0.3343	3.2589	0.2302	-0.0186	0.2151	0.4267
935	24.9	24.5	0.4792	2.4451	0.3344	3.2586	0.2242	-0.0177	0.2054	0.412
936	25.1	24.6	0.4788	2.4448	0.3344	3.2579	0.2036	-0.0237	0.2067	0.3866
937	25.8	24.8	0.4782	2.4448	0.3338	3.2569	0.217	-0.0293	0.1849	0.3725
938	26.4	24.9	0.476	2.4449	0.3336	3.2545	0.2328	-0.0241	0.1836	0.3924
939	26.8	25.1	0.4742	2.445	0.3336	3.2527	0.2265	-0.0266	0.1961	0.3959
940	26.7	25.2	0.4746	2.4449	0.3327	3.2522	0.2217	-0.0157	0.2061	0.4121
941	26.4	25.3	0.475	2.4444	0.3313	3.2506	0.1861	-0.011	0.2417	0.4168
942	26.1	25.4	0.4748	2.4438	0.3307	3.2493	0.1756	-0.016	0.2553	0.4149
943	25.9	25.4	0.475	2.4434	0.3301	3.2485	0.159	-0.0081	0.2588	0.4097
944	25.8	25.3	0.4755	2.4428	0.3292	3.2474	0.1392	0.0042	0.2583	0.4017
945	25.7	25.3	0.4752	2.4416	0.3287	3.2456	0.1403	0.0099	0.2548	0.405
946	25.4	25.2	0.4747	2.4407	0.3291	3.2445	0.1402	0.0169	0.2558	0.4129
947	25.1	25.1	0.4751	2.4404	0.3282	3.2437	0.1306	0.0262	0.2646	0.4214
948	24.7	25	0.4753	2.4392	0.3279	3.2424	0.1337	0.0364	0.2624	0.4325
949	24.6	24.9	0.4754	2.4394	0.3259	3.2407	0.1364	0.0385	0.2624	0.4374
950	24.2	24.8	0.4742	2.4395	0.3264	3.2401	0.1331	0.0516	0.2718	0.4564
951	24	24.7	0.474	2.438	0.3265	3.2385	0.1265	0.0658	0.2808	0.4732
952	24.1	24.7	0.4753	2.4372	0.3261	3.2386	0.1285	0.076	0.2757	0.4802
953	23.8	24.7	0.4754	2.4371	0.3258	3.2383	0.126	0.0858	0.271	0.4828

954	23.8	24.7	0.476	2.4379	0.3255	3.2395	0.1238	0.089	0.2618	0.4746
955	24	24.8	0.4763	2.4383	0.3261	3.2406	0.1312	0.0776	0.2608	0.4696
956	23.7	24.8	0.477	2.438	0.3264	3.2414	0.1514	0.0738	0.2529	0.4782
957	24	24.8	0.4758	2.439	0.3273	3.2421	0.1654	0.0728	0.242	0.4803
958	24.5	24.9	0.475	2.4406	0.3265	3.2421	0.1584	0.0669	0.2581	0.4833
959	25	25.1	0.4747	2.4417	0.3254	3.2418	0.1399	0.0731	0.2704	0.4834
960	25.1	25.2	0.4737	2.4421	0.3242	3.24	0.1331	0.0973	0.252	0.4823
961	25.7	25.3	0.473	2.4423	0.3234	3.2387	0.1285	0.1141	0.2221	0.4647
962	26.3	25.4	0.4729	2.442	0.323	3.2379	0.1305	0.1121	0.2019	0.4446
963	26.5	25.5	0.4716	2.4415	0.3229	3.2361	0.1268	0.1053	0.1912	0.4233
964	26.1	25.6	0.4712	2.4413	0.322	3.2345	0.1176	0.0859	0.1906	0.3941
965	25.6	25.7	0.4728	2.4413	0.3205	3.2346	0.113	0.0693	0.1932	0.3756
966	26.1	25.8	0.4732	2.441	0.3211	3.2352	0.1106	0.0563	0.1879	0.3549
967	26.9	25.9	0.4727	2.4405	0.3222	3.2354	0.114	0.0447	0.185	0.3436
968	27.1	26	0.4721	2.4413	0.3221	3.2355	0.1096	0.0433	0.1863	0.3392
969	26.8	26	0.472	2.4417	0.3211	3.2348	0.1033	0.0477	0.1869	0.338
970	26.1	26	0.472	2.4414	0.3203	3.2337	0.1104	0.0532	0.1804	0.344
971	26.2	26	0.4711	2.4409	0.3195	3.2315	0.1046	0.0492	0.1902	0.3441
972	25.1	26	0.4705	2.441	0.3198	3.2312	0.1057	0.0356	0.2067	0.3479
973	26.1	26	0.4702	2.4406	0.3199	3.2308	0.1141	0.0265	0.2248	0.3654
974	25.7	25.9	0.4707	2.44	0.3206	3.2314	0.1337	0.0219	0.229	0.3846
975	25.9	25.9	0.4702	2.4402	0.3213	3.2317	0.1347	0.0327	0.2382	0.4055
976	25.7	25.9	0.4697	2.4398	0.3216	3.2311	0.1415	0.0466	0.2429	0.4309
977	25.6	25.8	0.4697	2.4391	0.3213	3.2301	0.1455	0.057	0.249	0.4516
978	25.4	25.7	0.4679	2.4391	0.321	3.228	0.1376	0.0937	0.2569	0.4882
979	25.7	25.5	0.4664	2.4386	0.321	3.226	0.1246	0.1228	0.2721	0.5195
980	26.1	25.4	0.466	2.438	0.3208	3.2248	0.1181	0.1361	0.2809	0.5351
981	25.7	25.3	0.4664	2.438	0.3198	3.2241	0.1182	0.1386	0.2806	0.5374
982	25.7	25.3	0.4661	2.4378	0.32	3.2238	0.1208	0.138	0.2793	0.5381
983	25.6	25.2	0.4656	2.4368	0.3207	3.2231	0.1253	0.1487	0.2653	0.5394
984	25.4	25.1	0.4651	2.4362	0.3212	3.2224	0.1234	0.1652	0.2679	0.5566
985	25.2	25.1	0.4646	2.4357	0.3216	3.2219	0.1241	0.1717	0.2768	0.5727
986	25	25.1	0.4641	2.4352	0.322	3.2214	0.1215	0.172	0.2775	0.571
987	24.8	25.1	0.4638	2.4348	0.3224	3.221	0.1165	0.1682	0.2771	0.5618
988	24	25.1	0.465	2.4348	0.3226	3.2224	0.1101	0.1683	0.2716	0.5501
989	24.3	25	0.4641	2.4353	0.3225	3.2219	0.0844	0.1717	0.2688	0.5249
990	24.2	24.9	0.4669	2.4359	0.3197	3.2225	0.0682	0.1685	0.2701	0.5069

991	24	24.9	0.4674	2.4365	0.3191	3.2229	0.0774	0.1609	0.2644	0.5027
992	24.2	24.8	0.4675	2.4367	0.3198	3.224	0.0811	0.1506	0.2556	0.4873
993	24.9	24.8	0.4677	2.4365	0.3207	3.2248	0.0741	0.1456	0.2528	0.4725
994	25.2	24.7	0.4675	2.4364	0.3214	3.2253	0.0723	0.141	0.2552	0.4684
995	25.6	24.7	0.4678	2.4366	0.3213	3.2256	0.0786	0.1275	0.25	0.4561
996	25.4	24.7	0.4685	2.4367	0.3202	3.2254	0.0815	0.1113	0.2413	0.4341
997	25.2	24.7	0.4683	2.4363	0.32	3.2246	0.0779	0.1089	0.2396	0.4265
998	25.1	24.7	0.4682	2.4359	0.32	3.2241	0.0881	0.0977	0.2336	0.4195
999	24.5	24.7	0.468	2.4352	0.3192	3.2224	0.0946	0.0793	0.2375	0.4114
1000	24.5	24.7	0.4674	2.4343	0.3187	3.2204	0.1013	0.082	0.2227	0.4059
1001	24.4	24.7	0.4665	2.4331	0.3195	3.2191	0.1063	0.076	0.2361	0.4184
1002	24.8	24.6	0.4669	2.4323	0.3195	3.2187	0.1061	0.0614	0.2437	0.4112
1003	24.8	24.5	0.467	2.4323	0.3196	3.2189	0.1309	0.0483	0.248	0.4272
1004	25.1	24.4	0.4665	2.433	0.3193	3.2188	0.1348	0.0546	0.2506	0.4401
1005	25.1	24.2	0.4651	2.433	0.3191	3.2172	0.1472	0.0649	0.2594	0.4716
1006	24.5	24	0.464	2.4331	0.3188	3.2159	0.1414	0.0761	0.2694	0.4869
1007	24.2	23.8	0.4638	2.4335	0.3172	3.2144	0.1416	0.0756	0.2783	0.4955
1008	24.2	23.6	0.4643	2.4328	0.3158	3.2129	0.134	0.0898	0.2868	0.5106
1009	24.2	23.5	0.4649	2.4306	0.3159	3.2113	0.1234	0.1106	0.2809	0.5149
1010	23.4	23.3	0.4663	2.4284	0.3169	3.2116	0.1166	0.1095	0.2717	0.4977
1011	22.9	23.2	0.4677	2.4274	0.3183	3.2134	0.0967	0.1041	0.2679	0.4687
1012	22.7	23.1	0.4685	2.427	0.3194	3.2148	0.0828	0.1029	0.2674	0.4531
1013	22	23	0.4692	2.4279	0.3193	3.2164	0.08	0.1004	0.2669	0.4473
1014	22.1	22.9	0.4695	2.4294	0.3188	3.2178	0.0645	0.0981	0.2654	0.428
1015	22	22.8	0.4696	2.4309	0.3184	3.219	0.0618	0.095	0.2521	0.4089
1016	21.5	22.7	0.4692	2.432	0.3176	3.2187	0.0803	0.0903	0.2353	0.4058
1017	21.4	22.6	0.469	2.4324	0.317	3.2184	0.088	0.0786	0.2423	0.4089
1018	21.7	22.5	0.4692	2.4321	0.3171	3.2184	0.0859	0.0724	0.2545	0.4128
1019	21.7	22.4	0.469	2.4312	0.3177	3.218	0.0801	0.0819	0.2512	0.4132
1020	21.8	22.4	0.4692	2.4311	0.3174	3.2177	0.077	0.0809	0.2427	0.4006
1021	22.6	22.4	0.4687	2.432	0.3162	3.2169	0.0728	0.0787	0.2393	0.3908
1022	23.1	22.4	0.468	2.4337	0.3139	3.2156	0.0582	0.0746	0.2338	0.3667
1023	23.3	22.4	0.4669	2.4339	0.3134	3.2142	0.0597	0.0712	0.2331	0.364
1024	22.9	22.3	0.4665	2.4332	0.3133	3.213	0.0563	0.0583	0.2411	0.3556
1025	23	22.3	0.466	2.4332	0.3123	3.2115	0.0619	0.0465	0.2542	0.3625
1026	22.8	22.2	0.4656	2.4336	0.312	3.2113	0.059	0.0492	0.2671	0.3753
1027	22.9	22.2	0.4658	2.4318	0.311	3.2086	0.0615	0.0478	0.2689	0.3782

1028	22.5	22.1	0.4659	2.4306	0.3099	3.2064	0.057	0.0579	0.2634	0.3784
1029	22.9	22.1	0.4653	2.4304	0.3095	3.2052	0.0284	0.0675	0.2486	0.3444
1030	22.9	22	0.4649	2.4306	0.3087	3.2042	0.0082	0.0589	0.2433	0.3104
1031	22.3	22	0.4656	2.4305	0.3076	3.2038	-0.0011	0.0483	0.2413	0.2886
1032	21.8	22	0.467	2.4298	0.3066	3.2035	-0.0358	0.0423	0.2679	0.2744
1033	21.4	21.9	0.4674	2.4287	0.3065	3.2026	-0.064	0.0381	0.2976	0.2717
1034	21	21.9	0.467	2.428	0.3066	3.2016	-0.0643	0.0277	0.3029	0.2663
1035	20.4	21.9	0.467	2.4279	0.3066	3.2014	-0.0612	0.0151	0.308	0.262
1036	20.1	21.9	0.4671	2.428	0.3067	3.2017	-0.0541	0.0034	0.3217	0.2711
1037	20.4	22	0.4672	2.428	0.3067	3.2019	-0.0392	-0.0137	0.336	0.2832
1038	21	22.1	0.4676	2.4277	0.3067	3.202	-0.0245	-0.0171	0.3463	0.3047
1039	21.5	22.2	0.4674	2.4281	0.3065	3.2021	-0.0178	-0.0066	0.3497	0.3253
1040	22	22.3	0.4668	2.4288	0.3063	3.2019	-0.0299	0.0014	0.351	0.3225
1041	22.4	22.4	0.4669	2.4293	0.3057	3.2019	0.0023	0.0139	0.3252	0.3414
1042	22.5	22.6	0.4673	2.4292	0.3054	3.202	0.0146	0.0197	0.3228	0.3572
1043	22.7	22.7	0.4678	2.4293	0.3046	3.2017	0.03	0.0302	0.3237	0.3838
1044	23	22.9	0.4676	2.43	0.3042	3.2018	0.0357	0.0241	0.3456	0.4053
1045	23.2	23.2	0.4671	2.4305	0.3046	3.2022	0.0325	0.0257	0.3649	0.4231
1046	23.9	23.4	0.4669	2.4298	0.3052	3.2019	0.0361	0.0335	0.3723	0.4419
1047	24.1	23.6	0.4663	2.4306	0.3048	3.2017	0.0446	0.0412	0.3623	0.4482
1048	24.3	23.8	0.4658	2.4313	0.3041	3.2013	0.0432	0.0429	0.362	0.4481
1049	24.9	23.9	0.4653	2.4312	0.3037	3.2001	0.0355	0.0444	0.3676	0.4475
1050	24.9	24	0.4636	2.4319	0.3028	3.1983	0.0263	0.0392	0.3622	0.4277
1051	25.3	24	0.4634	2.4319	0.3021	3.1974	0.0204	0.0239	0.3502	0.3946
1052	24.6	24	0.4622	2.4323	0.3013	3.1959	0.0145	0.0041	0.3499	0.3685
1053	24.6	24	0.4619	2.4316	0.3008	3.1943	0.019	-0.0081	0.35	0.361
1054	24.9	23.9	0.4613	2.4314	0.2996	3.1923	0.0158	-0.0093	0.3555	0.3621
1055	24.7	23.9	0.4621	2.4306	0.2991	3.1919	0.0001	0.0031	0.352	0.3551
1056	24.7	23.8	0.4629	2.4304	0.2986	3.1919	-0.0242	0.0101	0.3453	0.3312
1057	23.9	23.6	0.4624	2.43	0.2986	3.191	-0.0419	0.0089	0.3339	0.301
1058	23.8	23.5	0.4626	2.4295	0.2984	3.1906	-0.0478	-0.0008	0.3216	0.2731
1059	23.4	23.4	0.463	2.4308	0.2982	3.192	-0.0455	-0.0219	0.311	0.2435
1060	23.2	23.2	0.464	2.4317	0.2974	3.1931	-0.0374	-0.0596	0.3092	0.2121
1061	22.4	23.1	0.4647	2.432	0.2967	3.1934	-0.0138	-0.0948	0.3173	0.2087
1062	22.1	23	0.4649	2.4319	0.2963	3.1931	0.0114	-0.0844	0.3078	0.2347
1063	21.9	22.9	0.4652	2.4317	0.2964	3.1933	0.0236	-0.0405	0.2687	0.2518
1064	21.8	22.7	0.4651	2.4318	0.2967	3.1936	0.0378	-0.0354	0.2653	0.2677

1065	21.9	22.6	0.4647	2.4323	0.297	3.194	0.0538	-0.033	0.2723	0.2931
1066	21.9	22.5	0.4644	2.4331	0.2968	3.1944	0.0566	-0.0255	0.2761	0.3072
1067	21.9	22.4	0.4641	2.4333	0.2967	3.1941	0.0496	-0.0237	0.2848	0.3107
1068	22.1	22.4	0.4641	2.4331	0.2969	3.1941	0.046	-0.0219	0.2878	0.3119
1069	22.4	22.3	0.4643	2.4336	0.2968	3.1947	0.0475	-0.0281	0.2949	0.3142
1070	22.4	22.2	0.4647	2.4336	0.2963	3.1946	0.0461	-0.0378	0.3077	0.3159
1071	22.7	22.2	0.4652	2.4335	0.2962	3.1949	0.0421	-0.0328	0.3162	0.3255
1072	22.8	22.2	0.4645	2.4339	0.2965	3.1948	0.0283	-0.0134	0.3046	0.3196
1073	22.1	22.2	0.4646	2.4348	0.2958	3.1952	0.0229	0.0099	0.2917	0.3245
1074	22.4	22.2	0.4645	2.4354	0.2952	3.1951	0.0197	0.0278	0.2861	0.3335
1075	22.5	22.3	0.4643	2.4353	0.2946	3.1942	0.0142	0.0287	0.2899	0.3328
1076	22.5	22.3	0.4636	2.435	0.2947	3.1933	0.0158	0.0359	0.2778	0.3295
1077	22.5	22.4	0.464	2.4333	0.295	3.1923	0.0018	0.0342	0.3002	0.3361
1078	22.5	22.4	0.4651	2.4323	0.2962	3.1936	-0.0026	0.0186	0.2937	0.3096
1079	21.4	22.4	0.4655	2.4327	0.2967	3.1949	-0.0015	0.0067	0.2845	0.2897
1080	21.6	22.4	0.4661	2.4332	0.2966	3.196	-0.0087	0.0061	0.2937	0.2912
1081	22.2	22.4	0.47	2.4338	0.293	3.1967	0.0024	0.0055	0.2963	0.3043
1082	22.4	22.4	0.4725	2.434	0.2902	3.1967	0.0188	-0.0018	0.2945	0.3115
1083	22.4	22.4	0.472	2.4341	0.2904	3.1965	0.0319	-0.0053	0.29	0.3166
1084	22.6	22.4	0.4712	2.4347	0.2904	3.1962	0.0311	-0.0122	0.294	0.3129
1085	23.2	22.3	0.47	2.4354	0.2894	3.1948	0.0238	-0.0195	0.298	0.3023
1086	22.5	22.3	0.468	2.4366	0.2884	3.1931	0.0267	-0.0248	0.2956	0.2976
1087	22.3	22.2	0.4662	2.4365	0.2878	3.1905	0.0307	-0.0216	0.2903	0.2994
1088	22.9	22.1	0.4668	2.4355	0.2876	3.1898	0.0337	-0.0176	0.282	0.2981
1089	22.8	22	0.4671	2.4351	0.2874	3.1896	0.0397	-0.0249	0.2777	0.2925
1090	22.6	22	0.4667	2.4345	0.2871	3.1883	0.0361	-0.0131	0.2648	0.2878
1091	22.6	21.9	0.4659	2.4345	0.2868	3.1872	0.0338	0.0124	0.2458	0.292
1092	21.8	21.8	0.4645	2.4337	0.2875	3.1856	0.0438	0.0182	0.2547	0.3167
1093	21.5	21.7	0.4641	2.4341	0.2861	3.1843	0.0587	0.0144	0.2586	0.3317
1094	21.5	21.6	0.4642	2.4338	0.2849	3.183	0.0665	0.0173	0.2469	0.3307
1095	21.6	21.5	0.4642	2.4332	0.2841	3.1814	0.0756	0.0171	0.2436	0.3363
1096	21.4	21.5	0.464	2.4326	0.2839	3.1806	0.0773	0.0178	0.2482	0.3432
1097	20.8	21.4	0.464	2.432	0.2838	3.1798	0.0775	0.0114	0.2628	0.3518
1098	20.1	21.4	0.4647	2.4314	0.2833	3.1793	0.0711	0.0239	0.2768	0.3718
1099	20	21.4	0.4654	2.4313	0.283	3.1797	0.054	0.0312	0.2778	0.363
1100	20.4	21.4	0.4653	2.4319	0.2837	3.1809	0.0376	0.0401	0.2786	0.3563
1101	20.5	21.4	0.4651	2.4327	0.2845	3.1823	0.014	0.0529	0.2629	0.3298

1102	20.7	21.5	0.465	2.4331	0.2845	3.1826	0.0092	0.0751	0.2562	0.3405
1103	21.1	21.6	0.4654	2.4332	0.2841	3.1827	-0.0012	0.0785	0.2447	0.322
1104	21.5	21.7	0.4665	2.4327	0.2841	3.1833	-0.0038	0.0644	0.2414	0.3019
1105	21.5	21.7	0.4676	2.432	0.2845	3.1841	-0.013	0.0513	0.2329	0.2713
1106	21.7	21.8	0.4681	2.4322	0.2854	3.1858	-0.0105	0.0404	0.2349	0.2648
1107	22.2	21.9	0.4685	2.4336	0.285	3.1871	-0.0083	0.0399	0.231	0.2627
1108	23	22	0.4688	2.435	0.2847	3.1885	-0.0113	0.0413	0.2293	0.2594
1109	23.1	22.1	0.4686	2.4365	0.2849	3.1901	-0.0021	0.0415	0.2282	0.2676
1110	22.9	22.2	0.4677	2.4379	0.2851	3.1907	0.0081	0.0522	0.2285	0.2888
1111	23	22.2	0.4665	2.4358	0.2876	3.1899	0.0187	0.0569	0.2237	0.2993
1112	23.3	22.2	0.4661	2.4311	0.2925	3.1897	0.0236	0.0574	0.2202	0.3012
1113	23	22.1	0.4654	2.4315	0.2927	3.1896	0.0275	0.0506	0.2149	0.293
1114	22.9	21.9	0.4641	2.4327	0.2916	3.1884	0.0363	0.0418	0.2162	0.2943
1115	23	21.8	0.464	2.4335	0.2908	3.1882	0.0364	0.0421	0.2213	0.2998
1116	22.6	21.6	0.4642	2.4344	0.2891	3.1877	0.0269	0.0443	0.2283	0.2995
1117	22.4	21.5	0.4644	2.4346	0.2882	3.1872	0.0204	0.0497	0.2285	0.2985
1118	21.8	21.4	0.4644	2.4349	0.2876	3.1869	0.021	0.0481	0.2275	0.2966
1119	21.2	21.3	0.4644	2.435	0.287	3.1864	0.0304	0.039	0.2311	0.3005
1120	20.9	21.2	0.465	2.4344	0.2858	3.1852	0.0376	0.0408	0.2362	0.3146
1121	19.9	21.2	0.4659	2.4333	0.2857	3.185	0.0344	0.0365	0.2357	0.3066
1122	19.2	21.1	0.4657	2.4327	0.2847	3.1832	0.0437	0.0355	0.2421	0.3213
1123	19.2	21.1	0.4649	2.4311	0.2848	3.1809	0.048	0.0321	0.2575	0.3375
1124	18.7	21.1	0.465	2.4303	0.2843	3.1797	0.067	0.0486	0.2498	0.3653
1125	18.9	21.1	0.4644	2.4296	0.2845	3.1786	0.084	0.0618	0.2432	0.389
1126	19.6	21.2	0.4655	2.4302	0.282	3.1777	0.0842	0.066	0.2554	0.4056
1127	20.5	21.2	0.4661	2.43	0.2816	3.1777	0.0669	0.0647	0.2633	0.3949
1128	21.3	21.3	0.466	2.4299	0.2814	3.1774	0.0659	0.0659	0.2705	0.4023
1129	21.7	21.4	0.4661	2.4298	0.2802	3.1761	0.0775	0.0512	0.2829	0.4115
1130	22.2	21.5	0.4647	2.43	0.2791	3.1738	0.0849	0.0602	0.2819	0.4269
1131	22.5	21.7	0.4638	2.4307	0.2782	3.1726	0.0859	0.0599	0.2895	0.4353
1132	22.7	21.9	0.4638	2.4304	0.2776	3.1718	0.1198	0.0607	0.2586	0.4391
1133	22.8	22.1	0.4643	2.4299	0.2771	3.1713	0.1448	0.0674	0.2333	0.4455
1134	23.1	22.3	0.4646	2.43	0.2768	3.1714	0.1411	0.0722	0.2325	0.4458
1135	23.6	22.6	0.4643	2.4303	0.277	3.1717	0.1261	0.0767	0.2377	0.4405
1136	23.5	22.8	0.464	2.4301	0.2776	3.1718	0.1031	0.0812	0.2356	0.4199
1137	23.3	22.9	0.4639	2.4297	0.2785	3.1721	0.0792	0.0902	0.2227	0.3921
1138	23.5	23.1	0.4636	2.4302	0.2789	3.1727	0.0597	0.0796	0.2181	0.3574

1139	23.4	23.2	0.4638	2.4294	0.2801	3.1733	0.0601	0.0638	0.2163	0.3402
1140	23	23.3	0.4634	2.4276	0.2817	3.1727	0.0506	0.0562	0.2128	0.3195
1141	22.8	23.3	0.4625	2.4275	0.2803	3.1702	0.038	0.0456	0.217	0.3007
1142	23.1	23.3	0.4615	2.4278	0.2796	3.1689	0.0323	0.0419	0.217	0.2912
1143	23.3	23.3	0.4611	2.4276	0.2799	3.1686	0.0169	0.0284	0.2264	0.2717
1144	23.5	23.2	0.46	2.4283	0.2798	3.1682	0.0131	0.0315	0.2206	0.2653
1145	23.7	23.1	0.4594	2.4287	0.2798	3.1679	0.0163	0.0263	0.2013	0.244
1146	22.8	23	0.4592	2.4286	0.2789	3.1667	0.0147	0.0241	0.1947	0.2334
1147	23.7	22.9	0.4592	2.4282	0.2772	3.1645	0.0134	0.0238	0.1933	0.2304
1148	23.8	22.7	0.4605	2.4282	0.2764	3.165	0.0084	0.0179	0.1978	0.2241
1149	23.9	22.6	0.4615	2.4272	0.2758	3.1645	0.012	0.0139	0.1901	0.2161
1150	23.4	22.4	0.4622	2.4266	0.2765	3.1653	0.015	0.0167	0.1862	0.2179
1151	22.9	22.2	0.4625	2.4244	0.2765	3.1634	0.008	0.0257	0.1996	0.2334
1152	22	22	0.4623	2.4245	0.2769	3.1637	0.0263	0.0331	0.1868	0.2462
1153	22	21.8	0.4623	2.4252	0.2766	3.1641	0.0364	0.0382	0.1783	0.2529
1154	21.4	21.6	0.4626	2.4263	0.2763	3.1652	0.038	0.0411	0.1763	0.2554
1155	21.2	21.4	0.4632	2.4266	0.2757	3.1654	0.0486	0.0373	0.1783	0.2642
1156	21.3	21.3	0.4637	2.4264	0.2755	3.1656	0.0638	0.0309	0.1819	0.2767
1157	20.8	21.1	0.4636	2.4259	0.2756	3.1651	0.079	0.0319	0.191	0.3019
1158	20.2	20.8	0.4628	2.4254	0.2756	3.1638	0.095	0.0422	0.191	0.3282
1159	20	20.7	0.4622	2.4255	0.2754	3.1631	0.1091	0.0572	0.1922	0.3586
1160	19.4	20.6	0.4621	2.426	0.275	3.1632	0.1215	0.075	0.1945	0.391
1161	19.1	20.5	0.4624	2.4262	0.2746	3.1633	0.1237	0.0882	0.2016	0.4135
1162	19.5	20.5	0.4621	2.4269	0.2748	3.1638	0.1095	0.067	0.2362	0.4127
1163	19.5	20.5	0.4615	2.4275	0.2748	3.1638	0.0983	0.0174	0.3041	0.4199
1164	19.6	20.5	0.4614	2.4276	0.2746	3.1637	0.099	0.0203	0.3046	0.4238
1165	20.3	20.6	0.462	2.4278	0.2742	3.1641	0.0859	0.0442	0.2969	0.427
1166	19.7	20.6	0.4624	2.4281	0.274	3.1645	0.0782	0.0583	0.3011	0.4376
1167	19.9	20.7	0.462	2.4285	0.274	3.1645	0.0809	0.0721	0.2813	0.4344
1168	20.6	20.8	0.461	2.4292	0.2738	3.1641	0.0833	0.0767	0.2731	0.4331
1169	21.3	21	0.4605	2.4295	0.2732	3.1632	0.076	0.0775	0.2768	0.4303
1170	21.5	21.1	0.4613	2.4299	0.2728	3.1639	0.0748	0.0747	0.2703	0.4199
1171	22.1	21.3	0.4609	2.4299	0.272	3.1628	0.0816	0.0625	0.2635	0.4076
1172	22.5	21.4	0.4597	2.4307	0.2707	3.1611	0.0932	0.0447	0.2636	0.4014
1173	21.8	21.5	0.4579	2.43	0.2708	3.1587	0.0977	0.0351	0.2488	0.3815
1174	22.7	21.7	0.4561	2.4292	0.2709	3.1562	0.094	0.0178	0.2456	0.3574
1175	21.5	21.8	0.4559	2.4287	0.269	3.1537	0.0989	0.0076	0.2397	0.3461

1176	22.3	21.9	0.4569	2.4285	0.2684	3.1538	0.0967	-0.0059	0.2464	0.3373
1177	22.8	22	0.4574	2.4267	0.2679	3.152	0.1154	-0.0052	0.2303	0.3405
1178	22.5	22.1	0.4573	2.4272	0.2679	3.1524	0.1363	-0.006	0.2316	0.3619
1179	22	22.1	0.457	2.4267	0.2685	3.1522	0.1488	-0.0005	0.2297	0.378
1180	22.2	22.1	0.4575	2.4272	0.2677	3.1524	0.1518	0.0006	0.2233	0.3757
1181	22	22	0.458	2.4277	0.2671	3.1528	0.143	0.0044	0.2228	0.3702
1182	21.8	21.9	0.458	2.4272	0.2669	3.1521	0.1374	0.01	0.2119	0.3592
1183	22.1	21.9	0.4579	2.4268	0.2671	3.1519	0.1464	0.0118	0.2089	0.3671
1184	22.5	21.7	0.4586	2.427	0.2666	3.1522	0.146	0.0177	0.2073	0.371
1185	22.4	21.7	0.4597	2.4272	0.2659	3.1528	0.1392	0.0385	0.2103	0.3879
1186	22	21.6	0.4601	2.4276	0.2661	3.1539	0.131	0.0503	0.2116	0.3929
1187	22	21.4	0.4603	2.4286	0.266	3.1548	0.1298	0.0445	0.2133	0.3877
1188	21.4	21.4	0.4608	2.4291	0.266	3.1558	0.1263	0.0359	0.2195	0.3817
1189	21.4	21.3	0.462	2.4295	0.2661	3.1577	0.1175	0.0412	0.2258	0.3846
1190	20.9	21.2	0.4629	2.4299	0.2654	3.1583	0.1109	0.0326	0.2386	0.3821
1191	20.5	21.1	0.4627	2.4303	0.2651	3.1581	0.109	0.011	0.2496	0.3695
1192	20.5	21	0.4628	2.4308	0.2648	3.1584	0.1042	0.0059	0.2292	0.3393
1193	19.8	20.8	0.4628	2.4309	0.2641	3.1578	0.0969	0.0035	0.2211	0.3215
1194	20.6	20.7	0.4626	2.4312	0.2648	3.1586	0.0981	-0.002	0.2248	0.3209
1195	20.2	20.5	0.4627	2.4308	0.2646	3.1581	0.0977	0.0048	0.2217	0.3242
1196	20.6	20.4	0.4627	2.4302	0.2646	3.1575	0.1101	0.0047	0.2205	0.3353
1197	21.2	20.2	0.4632	2.4302	0.264	3.1574	0.1238	0.0024	0.2147	0.3408
1198	20.7	20.1	0.4635	2.43	0.2643	3.1577	0.1324	-0.0046	0.2044	0.3323
1199	20.3	20	0.4639	2.4296	0.2644	3.1579	0.1548	-0.0041	0.2059	0.3566
1200	20.2	19.9	0.4645	2.4293	0.2637	3.1576	0.1634	-0.0114	0.2076	0.3596
1201	19.5	19.9	0.4624	2.4294	0.2659	3.1577	0.1659	-0.0197	0.2179	0.3641
1202	19.4	19.9	0.4614	2.4293	0.2667	3.1573	0.1628	-0.0468	0.2244	0.3404
1203	19.4	19.9	0.4616	2.4291	0.2664	3.1572	0.1474	-0.0452	0.241	0.3432
1204	19.3	19.9	0.4617	2.4289	0.2663	3.1569	0.139	-0.0289	0.2494	0.3596
1205	19.2	20	0.4612	2.4289	0.2663	3.1564	0.1437	-0.0079	0.246	0.3818
1206	19.1	19.9	0.4603	2.4291	0.2663	3.1556	0.1505	-0.0007	0.2318	0.3817
1207	19.1	19.9	0.4591	2.4293	0.2659	3.1543	0.1579	0.0002	0.2307	0.3888
1208	19.4	19.9	0.4579	2.4293	0.2655	3.1527	0.1613	-0.0071	0.2362	0.3904
1209	19.7	20	0.4565	2.429	0.2655	3.151	0.1573	-0.017	0.2395	0.3798
1210	20	20	0.4553	2.4291	0.265	3.1494	0.1497	-0.0185	0.2405	0.3717
1211	20.1	20.1	0.4556	2.4291	0.2639	3.1487	0.1451	-0.0122	0.2398	0.3727
1212	20.5	20.3	0.4563	2.4293	0.2621	3.1477	0.1429	-0.0035	0.2344	0.3737

1213	20.5	20.4	0.4555	2.4294	0.2623	3.1472	0.1439	0.007	0.2326	0.3835
1214	21	20.6	0.4555	2.4283	0.2619	3.1457	0.14	0.0119	0.2326	0.3845
1215	20.3	20.7	0.4562	2.4276	0.2607	3.1445	0.1339	0.0143	0.2345	0.3827
1216	20.8	20.8	0.4561	2.4272	0.261	3.1442	0.14	0.0231	0.2337	0.3968
1217	20.8	20.9	0.4561	2.4269	0.2609	3.1439	0.1446	0.0275	0.2306	0.4028
1218	21	21	0.4568	2.4271	0.2599	3.1439	0.1369	0.0292	0.23	0.3961
1219	21.5	21.1	0.4569	2.4275	0.2599	3.1444	0.1225	0.0354	0.228	0.386
1220	21.5	21.2	0.4568	2.4281	0.2595	3.1444	0.1144	0.0336	0.2186	0.3665
1221	22	21.3	0.4566	2.4289	0.2594	3.1448	0.1215	0.0281	0.211	0.3607
1222	22.1	21.4	0.4559	2.4292	0.2599	3.145	0.123	0.0202	0.2003	0.3435
1223	21.9	21.5	0.4555	2.4294	0.2602	3.1451	0.1166	0.0221	0.1867	0.3254
1224	21.7	21.5	0.4552	2.4296	0.2604	3.1451	0.1048	0.0093	0.1881	0.3021
1225	21.5	21.5	0.4548	2.4302	0.2599	3.1449	0.0898	-0.0054	0.1941	0.2785
1226	21.1	21.6	0.4539	2.4307	0.259	3.1437	0.0914	-0.0124	0.1847	0.2637
1227	21.1	21.6	0.4525	2.4306	0.2585	3.1415	0.1042	-0.0178	0.1883	0.2748
1228	21.5	21.7	0.4512	2.4299	0.2585	3.1396	0.1188	-0.0326	0.1861	0.2723
1229	21.5	21.7	0.451	2.4297	0.2578	3.1385	0.1119	-0.0261	0.1913	0.2772
1230	22.1	21.7	0.4504	2.4296	0.2568	3.1368	0.1044	-0.03	0.2019	0.2763
1231	22.4	21.7	0.45	2.4297	0.257	3.1367	0.1097	-0.0222	0.1942	0.2816
1232	22.1	21.6	0.4492	2.4292	0.2567	3.1351	0.113	-0.0149	0.1882	0.2862
1233	21.3	21.6	0.4497	2.4281	0.2563	3.1342	0.109	-0.0148	0.1835	0.2776
1234	21.3	21.5	0.4507	2.4261	0.2558	3.1326	0.1018	-0.014	0.1854	0.2732
1235	21.3	21.5	0.4512	2.4253	0.2559	3.1324	0.1068	-0.0136	0.1861	0.2793
1236	21.9	21.4	0.4511	2.4257	0.2563	3.133	0.1218	-0.0173	0.1791	0.2836
1237	22	21.4	0.4512	2.4262	0.2565	3.1339	0.1323	-0.0234	0.1787	0.2875
1238	22.3	21.4	0.4519	2.4261	0.2563	3.1343	0.1378	-0.0245	0.1797	0.293
1239	21.8	21.4	0.4527	2.4262	0.2562	3.1351	0.1453	-0.0237	0.1813	0.3029
1240	21.2	21.3	0.4525	2.4265	0.2567	3.1357	0.1642	-0.0167	0.1847	0.3323
1241	21	21.3	0.4521	2.4269	0.2573	3.1363	0.1761	-0.0113	0.178	0.3428
1242	20.9	21.2	0.4518	2.4274	0.2575	3.1367	0.1732	-0.0071	0.1796	0.3456
1243	20.7	21.2	0.4513	2.4278	0.2574	3.1365	0.1696	-0.0014	0.1833	0.3515
1244	20.6	21.2	0.4503	2.4278	0.2576	3.1357	0.1556	0.0018	0.179	0.3365
1245	20.6	21.2	0.4484	2.4282	0.2577	3.1343	0.1479	0.0075	0.1889	0.3443
1246	20.4	21.2	0.4468	2.4284	0.2574	3.1326	0.1446	0.0073	0.1914	0.3434
1247	21.4	21.2	0.4459	2.4287	0.2567	3.1313	0.1481	0.0127	0.1943	0.3551
1248	21.4	21.1	0.445	2.4286	0.2558	3.1293	0.1436	0.0249	0.1912	0.3597
1249	21.1	21.1	0.4452	2.4283	0.2551	3.1286	0.1465	0.0204	0.1877	0.3547

1250	21.1	21.1	0.4456	2.4286	0.2547	3.1289	0.1503	0.0102	0.1864	0.3469
1251	21.2	21.1	0.4462	2.4291	0.2541	3.1293	0.1619	-0.0004	0.1818	0.3433
1252	21.1	21.1	0.4476	2.429	0.2528	3.1293	0.1501	-0.0064	0.2033	0.347
1253	21.3	21.1	0.4484	2.4281	0.2517	3.1282	0.1464	-0.0127	0.2096	0.3432
1254	21.3	21.2	0.4482	2.4271	0.2517	3.127	0.1458	-0.0178	0.2116	0.3396
1255	21.5	21.1	0.4481	2.4267	0.2525	3.1273	0.1373	-0.02	0.2155	0.3328
1256	21.6	21.1	0.4479	2.4264	0.2524	3.1268	0.1314	-0.0237	0.2183	0.326
1257	21.6	21	0.4474	2.4266	0.252	3.126	0.1267	-0.0267	0.2239	0.324
1258	21.4	20.9	0.4471	2.4271	0.2517	3.1258	0.1168	-0.026	0.2282	0.3191
1259	21.1	20.8	0.4472	2.4274	0.2513	3.126	0.1065	-0.0264	0.2311	0.3112
1260	21.1	20.7	0.4476	2.4272	0.251	3.1259	0.0942	-0.0262	0.2392	0.3072
1261	21.2	20.6	0.4481	2.4266	0.2512	3.1259	0.0874	-0.016	0.2413	0.3127
1262	20.9	20.6	0.4478	2.4262	0.2515	3.1255	0.0861	-0.0055	0.2382	0.3188
1263	20.8	20.5	0.4475	2.4263	0.2515	3.1254	0.0941	0.0073	0.2182	0.3196
1264	19.9	20.4	0.448	2.4262	0.2512	3.1254	0.0894	0.0178	0.2208	0.328
1265	19.4	20.3	0.448	2.4255	0.2508	3.1244	0.094	0.0125	0.2173	0.3238
1266	19.3	20.3	0.4479	2.4254	0.2509	3.1242	0.1005	0.0142	0.2145	0.3292
1267	19.6	20.2	0.4483	2.4256	0.251	3.1249	0.0881	0.0133	0.224	0.3254
1268	19.8	20.1	0.4488	2.4257	0.251	3.1255	0.0896	0.0139	0.2277	0.3312
1269	19.6	20.1	0.4491	2.4262	0.2513	3.1266	0.102	0.0149	0.2144	0.3312
1270	19.6	20	0.4491	2.4271	0.2517	3.1279	0.1009	0.0189	0.2115	0.3313
1271	19.8	19.9	0.4486	2.4279	0.2519	3.1284	0.101	0.0192	0.2023	0.3226
1272	19.9	19.9	0.4481	2.4285	0.252	3.1285	0.1018	0.019	0.1964	0.3171
1273	19.7	19.9	0.4474	2.429	0.252	3.1285	0.1026	0.0156	0.1937	0.3119
1274	20.3	19.9	0.4471	2.4297	0.2515	3.1284	0.1129	0.0063	0.193	0.3122
1275	20.6	20	0.4468	2.4299	0.2506	3.1273	0.1187	-0.0012	0.1998	0.3174
1276	20	20.1	0.4464	2.4303	0.2496	3.1263	0.1189	0.001	0.1983	0.3182
1277	20.2	20.1	0.4455	2.43	0.2493	3.1248	0.1098	0.0004	0.1914	0.3016
1278	19.7	20.1	0.4461	2.4298	0.2488	3.1247	0.098	-0.0059	0.1911	0.2832
1279	19.9	20.1	0.4466	2.4297	0.2483	3.1246	0.0894	-0.0179	0.1931	0.2647
1280	19.9	20.2	0.4466	2.4294	0.2483	3.1243	0.0898	-0.0269	0.1895	0.2524
1281	20.2	20.1	0.4467	2.4292	0.2483	3.1242	0.0797	-0.0317	0.1856	0.2337
1282	20.6	20.1	0.4471	2.4287	0.2485	3.1244	0.0735	-0.0279	0.1934	0.239
1283	20.7	20.1	0.4477	2.4282	0.2486	3.1246	0.0586	-0.0311	0.1954	0.2229
1284	20.7	20	0.4479	2.4283	0.248	3.1243	0.0559	-0.0375	0.1938	0.2122
1285	20.4	20	0.4475	2.429	0.248	3.1245	0.0614	-0.0545	0.193	0.1999
1286	20.3	20	0.4469	2.4299	0.2483	3.1251	0.0572	-0.0629	0.2007	0.195

1287	20.4	20	0.4465	2.431	0.248	3.1255	0.0536	-0.0562	0.205	0.2024
1288	20	20.1	0.4462	2.4314	0.2478	3.1255	0.0504	-0.0485	0.217	0.2188
1289	19.7	20.1	0.4456	2.4312	0.2477	3.1244	0.0592	-0.05	0.2161	0.2253
1290	19.4	20.2	0.4453	2.4311	0.2476	3.124	0.0686	-0.0456	0.2168	0.2398
1291	19.3	20.2	0.4454	2.431	0.2471	3.1235	0.0705	-0.0368	0.2222	0.2559
1292	19.2	20.2	0.4458	2.4309	0.2465	3.1233	0.0665	-0.0227	0.2292	0.273
1293	18.9	20.1	0.4472	2.4307	0.2462	3.1241	0.0598	-0.0102	0.24	0.2896
1294	19.6	20	0.4478	2.4304	0.2459	3.1242	0.0502	-0.0048	0.2469	0.2923
1295	20.2	20	0.4482	2.4301	0.2455	3.1238	0.0346	-0.0037	0.2533	0.2842
1296	20.4	19.9	0.4479	2.429	0.2452	3.122	0.0139	0.0013	0.2562	0.2714
1297	21.1	19.8	0.4488	2.4277	0.2449	3.1214	0.0072	-0.0016	0.2418	0.2474
1298	21.6	19.8	0.4488	2.428	0.2455	3.1223	0.0084	-0.0067	0.2296	0.2313
1299	21.1	19.8	0.4489	2.4286	0.2457	3.1232	-0.0012	-0.0133	0.2308	0.2162
1300	20.5	19.8	0.4483	2.4294	0.2455	3.1233	0.0045	-0.0091	0.2321	0.2275
1301	19.9	19.8	0.4474	2.43	0.2455	3.1229	0.0047	-0.001	0.2325	0.2362
1302	19.5	19.8	0.4467	2.4305	0.2457	3.123	0.0108	0.0054	0.2289	0.2452
1303	19	19.9	0.4471	2.4309	0.2453	3.1232	0.0256	0.0014	0.2137	0.2406
1304	18.9	19.9	0.4479	2.4309	0.2448	3.1236	0.0384	-0.0067	0.1995	0.2312
1305	19.1	19.9	0.448	2.4313	0.2445	3.1238	0.0425	-0.0147	0.1975	0.2252
1306	19.1	19.8	0.4476	2.4317	0.2439	3.1232	0.0468	-0.017	0.2034	0.2332
1307	19.3	19.7	0.4474	2.4319	0.2431	3.1224	0.049	-0.0192	0.2008	0.2306
1308	19.6	19.6	0.4473	2.4319	0.2423	3.1216	0.0486	-0.022	0.1949	0.2214
1309	19.8	19.5	0.4471	2.4316	0.2416	3.1203	0.0539	-0.0243	0.19	0.2196
1310	19.7	19.3	0.4466	2.4307	0.2408	3.1181	0.0544	-0.0281	0.1895	0.2158
1311	19.7	19.2	0.447	2.4297	0.2401	3.1168	0.0631	-0.0325	0.1894	0.22
1312	19.6	19.1	0.4469	2.4286	0.2403	3.1157	0.0679	-0.041	0.192	0.219
1313	20.1	19	0.4466	2.4277	0.2402	3.1144	0.0591	-0.0453	0.2054	0.2193
1314	20	18.9	0.4461	2.4271	0.2402	3.1134	0.0448	-0.0446	0.2079	0.2081
1315	19.4	18.9	0.4461	2.4262	0.2392	3.1116	0.0497	-0.0468	0.2071	0.21
1316	18.9	18.9	0.4473	2.4258	0.2386	3.1117	0.0451	-0.0545	0.2094	0.2
1317	19	18.8	0.4471	2.4255	0.2381	3.1108	0.0398	-0.0577	0.2206	0.2027
1318	18.8	18.8	0.4466	2.4257	0.2385	3.1108	0.0439	-0.0572	0.224	0.2106
1319	18.1	18.8	0.4468	2.4256	0.2388	3.1113	0.0534	-0.0529	0.2224	0.2229
1320	17.6	18.8	0.4467	2.4262	0.2392	3.1122	0.059	-0.0458	0.2271	0.2403
1321	17.3	18.8	0.4464	2.427	0.2397	3.1131	0.068	-0.0361	0.2306	0.2624
1322	17.3	18.8	0.4456	2.4277	0.2405	3.1138	0.0758	-0.0263	0.2305	0.28
1323	17.5	18.8	0.4442	2.4287	0.2409	3.1139	0.0765	-0.0195	0.2303	0.2873

1324	17.9	18.8	0.4433	2.4297	0.2404	3.1133	0.0725	-0.0147	0.23	0.2878
1325	18.8	18.8	0.4429	2.4301	0.2401	3.113	0.0763	-0.004	0.2248	0.2971
1326	18.9	18.9	0.4429	2.4307	0.2398	3.1135	0.0738	0.0013	0.2146	0.2898
1327	19.4	18.9	0.4427	2.4312	0.2393	3.1132	0.0764	0.0009	0.2009	0.2782
1328	19.5	19	0.4422	2.4317	0.2392	3.1131	0.0608	-0.0002	0.206	0.2667
1329	19.1	19.2	0.442	2.4324	0.2389	3.1132	0.0662	-0.0061	0.2136	0.2738
1330	19.7	19.4	0.4424	2.4328	0.2382	3.1134	0.0685	-0.0095	0.2169	0.2759
1331	20.1	19.6	0.4427	2.4325	0.2377	3.1128	0.0668	-0.0103	0.2209	0.2775
1332	20	19.8	0.4433	2.4323	0.2372	3.1128	0.0603	-0.0107	0.225	0.2746
1333	20.1	19.9	0.4441	2.4319	0.237	3.113	0.0576	-0.0156	0.2317	0.2737
1334	19.7	20	0.4445	2.4316	0.2365	3.1126	0.0656	-0.0199	0.2365	0.2823
1335	20	20.1	0.4455	2.4316	0.2358	3.1129	0.0719	-0.0135	0.2333	0.2916
1336	20.3	20.1	0.4457	2.4313	0.2358	3.1128	0.0545	0.0043	0.2348	0.2936
1337	20.7	20.1	0.4462	2.431	0.2348	3.112	0.0366	0.0157	0.2377	0.29
1338	21	20.1	0.4459	2.4311	0.2347	3.1117	0.0283	0.0213	0.2313	0.2809
1339	20.6	20.1	0.4458	2.4307	0.2345	3.1111	0.0282	0.0186	0.225	0.2718
1340	21.1	20.1	0.4455	2.4302	0.2345	3.1101	0.0326	0.0107	0.2181	0.2614
1341	21.1	20.1	0.4454	2.4292	0.2344	3.109	0.0418	0.0077	0.2136	0.2631
1342	20.4	20	0.4458	2.4285	0.2335	3.1077	0.0562	0.004	0.2097	0.2699
1343	20	19.9	0.4463	2.4282	0.2327	3.1073	0.0702	0.0029	0.21	0.2831
1344	19.9	19.9	0.4468	2.4282	0.2323	3.1073	0.0835	0.0004	0.2145	0.2984
1345	19.6	19.8	0.447	2.4281	0.2321	3.1072	0.079	0.002	0.2228	0.3038
1346	19.5	19.7	0.4461	2.4286	0.2332	3.1079	0.0824	0.0025	0.2167	0.3015
1347	19.3	19.5	0.4451	2.4293	0.2337	3.1082	0.0743	-0.0064	0.2146	0.2825
1348	19.8	19.4	0.4451	2.4299	0.2327	3.1077	0.0796	-0.0137	0.2122	0.2781
1349	19.4	19.4	0.4447	2.4292	0.2318	3.1058	0.079	-0.0086	0.217	0.2874
1350	19	19.3	0.4451	2.4287	0.2315	3.1053	0.0819	-0.0002	0.2125	0.2941
1351	18.8	19.1	0.4451	2.4285	0.2312	3.1048	0.0828	0.0102	0.1985	0.2916
1352	18.3	19.1	0.445	2.4289	0.2314	3.1053	0.078	0.0165	0.1898	0.2843
1353	18.4	19	0.4446	2.4287	0.2318	3.1051	0.0701	0.0187	0.1923	0.2811
1354	18.3	19	0.444	2.4285	0.232	3.1045	0.073	0.0177	0.1931	0.2838
1355	18.2	19	0.4434	2.4284	0.2321	3.1039	0.0826	0.0165	0.1913	0.2904
1356	18.5	19	0.443	2.4283	0.2324	3.1037	0.0813	0.0191	0.1915	0.2919
1357	18.8	19	0.4426	2.4288	0.2325	3.1039	0.0764	0.0201	0.1897	0.2861
1358	19.2	19	0.4417	2.4295	0.2327	3.1039	0.0781	0.0157	0.1854	0.2792
1359	19.2	19	0.4418	2.4302	0.2324	3.1044	0.0752	0.0138	0.1788	0.2677
1360	18.8	19.1	0.4413	2.4305	0.2321	3.1039	0.0767	0.0133	0.1737	0.2637

1361	19.2	19.2	0.4413	2.4307	0.232	3.104	0.0746	0.0104	0.1691	0.2541
1362	19.3	19.3	0.4418	2.4307	0.231	3.1035	0.0902	0.0023	0.1663	0.2588
1363	19	19.3	0.4431	2.4308	0.2307	3.1046	0.0931	-0.0132	0.176	0.2558
1364	19.3	19.4	0.4431	2.4309	0.2305	3.1044	0.0919	-0.0251	0.1893	0.2561
1365	19.3	19.5	0.4435	2.431	0.2299	3.1044	0.0855	-0.0287	0.1972	0.254
1366	19.5	19.6	0.4439	2.4311	0.2289	3.104	0.0819	-0.0293	0.192	0.2446
1367	20.1	19.6	0.4439	2.4313	0.2286	3.1038	0.0916	-0.0182	0.188	0.2614
1368	20.4	19.6	0.4434	2.431	0.2288	3.1032	0.092	-0.0093	0.1854	0.268
1369	20.3	19.6	0.4432	2.4307	0.2286	3.1026	0.0892	-0.0087	0.1891	0.2696
1370	20.1	19.7	0.4423	2.4307	0.2286	3.1016	0.0923	-0.009	0.1906	0.2739
1371	20	19.7	0.441	2.4305	0.2289	3.1004	0.0961	0.0041	0.1938	0.294
1372	19.9	19.7	0.4404	2.4304	0.229	3.0998	0.0884	0.0122	0.1986	0.2992
1373	20	19.7	0.4402	2.4305	0.229	3.0997	0.0742	0.0197	0.2118	0.3057
1374	20.2	19.7	0.4395	2.4301	0.229	3.0986	0.0596	0.0216	0.2221	0.3033
1375	20	19.7	0.4394	2.4298	0.2291	3.0983	0.0518	0.024	0.2138	0.2896
1376	18.8	19.7	0.4388	2.4302	0.2295	3.0985	0.0553	0.0297	0.2124	0.2975
1377	18.9	19.6	0.4394	2.43	0.2287	3.0981	0.0583	0.0313	0.2089	0.2984
1378	19.2	19.5	0.4395	2.4304	0.2274	3.0973	0.055	0.0296	0.2077	0.2923
1379	19.6	19.4	0.4398	2.4307	0.2266	3.097	0.0538	0.0322	0.2129	0.2989
1380	19.6	19.4	0.4399	2.4305	0.2262	3.0965	0.0659	0.0368	0.2154	0.3181
1381	19.7	19.3	0.4407	2.4302	0.2258	3.0967	0.0835	0.0414	0.2099	0.3349
1382	19.7	19.3	0.4414	2.4303	0.2254	3.097	0.0869	0.0404	0.2039	0.3313
1383	19.5	19.3	0.4411	2.4302	0.2249	3.0963	0.0914	0.0401	0.1992	0.3308
1384	18.9	19.2	0.4407	2.4297	0.2247	3.0951	0.0967	0.0398	0.1971	0.3335
1385	18.4	19.2	0.4421	2.4285	0.2245	3.0951	0.0975	0.0332	0.1968	0.3276
1386	18.5	19.2	0.4432	2.4284	0.2245	3.0961	0.0988	0.0287	0.1965	0.324
1387	18.6	19.2	0.4437	2.4289	0.2249	3.0974	0.099	0.0181	0.2062	0.3233
1388	18.9	19.2	0.4434	2.4296	0.2253	3.0983	0.1038	0.0164	0.1983	0.3186
1389	19.3	19.2	0.4423	2.4301	0.2259	3.0983	0.1023	0.0281	0.1915	0.3219
1390	19.5	19.2	0.4411	2.4303	0.2263	3.0977	0.0978	0.0297	0.1909	0.3184
1391	19.5	19.2	0.4398	2.4306	0.2261	3.0965	0.0974	0.0238	0.1889	0.3101
1392	19.4	19.2	0.4388	2.4307	0.2255	3.095	0.1041	0.013	0.1824	0.2995
1393	19.1	19.2	0.4389	2.4307	0.2247	3.0943	0.1153	0.0061	0.1703	0.2917
1394	19.4	19.2	0.4399	2.4302	0.2236	3.0938	0.1237	0.004	0.1677	0.2954
1395	19.1	19.3	0.44	2.4298	0.2238	3.0936	0.1306	0.0003	0.1722	0.3031
1396	19.3	19.3	0.4405	2.4296	0.2237	3.0938	0.1335	-0.0047	0.1752	0.304
1397	18.9	19.3	0.4408	2.4291	0.2237	3.0936	0.1172	0.0011	0.1894	0.3077

1398	19.5	19.3	0.4409	2.4288	0.2238	3.0935	0.0908	0.012	0.2037	0.3064
1399	19.6	19.3	0.4407	2.4286	0.2245	3.0938	0.0765	0.025	0.1935	0.2949
1400	19.6	19.2	0.4401	2.4284	0.2257	3.0941	0.0701	0.0175	0.1832	0.2707
1401	19.6	19.2	0.4396	2.4284	0.2265	3.0945	0.0733	0.0068	0.1838	0.2639
1402	19.8	19.1	0.4397	2.4287	0.2265	3.0949	0.0721	0.0051	0.1846	0.2618
1403	19.5	19.1	0.4398	2.4291	0.226	3.0948	0.0685	0.0024	0.1829	0.2538
1404	19.2	19.1	0.4397	2.4293	0.2256	3.0946	0.0707	-0.0057	0.1865	0.2516
1405	19.3	19.1	0.4399	2.4294	0.2254	3.0946	0.0754	-0.0228	0.1877	0.2403
1406	19	19.1	0.4399	2.4297	0.225	3.0946	0.0725	-0.0296	0.1926	0.2355
1407	18.7	19.1	0.4396	2.4304	0.2246	3.0945	0.0789	-0.0342	0.1915	0.2362
1408	18.3	19.1	0.4398	2.4306	0.2245	3.0948	0.0785	-0.0332	0.1913	0.2365
1409	18.6	19	0.4394	2.4303	0.2242	3.0939	0.0644	-0.026	0.1971	0.2355
1410	18.9	19	0.4391	2.4297	0.2239	3.0927	0.0655	-0.0164	0.1989	0.248
1411	18.5	19	0.438	2.4294	0.2235	3.0909	0.064	-0.0116	0.197	0.2494
1412	18.4	19	0.4376	2.4299	0.2227	3.0901	0.0575	-0.0082	0.2014	0.2508
1413	18.8	19	0.4374	2.4302	0.2213	3.0888	0.0557	-0.0081	0.1935	0.241
1414	19	19	0.4375	2.43	0.2205	3.088	0.0686	-0.0083	0.1937	0.254
1415	19.1	19	0.4379	2.4292	0.22	3.0871	0.0581	-0.0083	0.1949	0.2447
1416	19.3	19	0.4381	2.4276	0.2198	3.0855	0.0685	-0.0082	0.1916	0.2518
1417	19.2	19	0.4379	2.4265	0.2196	3.084	0.0771	-0.0055	0.1779	0.2495
1418	19.2	19	0.4377	2.4265	0.2196	3.0838	0.087	-0.0024	0.1721	0.2567
1419	19.4	19	0.4376	2.4265	0.2197	3.0839	0.086	-0.0079	0.1695	0.2476
1420	19.2	19	0.4371	2.4258	0.2199	3.0828	0.0872	-0.013	0.1687	0.243
1421	19.5	19	0.4376	2.4258	0.2199	3.0832	0.0823	-0.0162	0.1749	0.241
1422	19.4	19	0.4382	2.4257	0.2193	3.0832	0.0765	-0.0193	0.1851	0.2422
1423	18.7	18.9	0.4383	2.4266	0.2187	3.0836	0.0691	-0.0166	0.1917	0.2442
1424	19.2	18.9	0.4381	2.4273	0.219	3.0844	0.0563	-0.0079	0.1972	0.2456
1425	19.1	18.9	0.4373	2.4271	0.2188	3.0833	0.0434	-0.0039	0.2042	0.2437
1426	19	18.8	0.4371	2.4276	0.219	3.0837	0.0419	-0.0005	0.2128	0.2541
1427	18.9	18.8	0.4372	2.4282	0.2186	3.0839	0.0264	0.0087	0.2232	0.2583
1428	18.7	18.8	0.4368	2.4285	0.2179	3.0832	0.0228	0.0067	0.2155	0.245
1429	18.2	18.7	0.4354	2.4287	0.2173	3.0814	0.0223	0.0133	0.1995	0.235
1430	18.1	18.7	0.4341	2.4286	0.2172	3.0799	0.0356	0.0156	0.1864	0.2376
1431	18.4	18.7	0.434	2.4284	0.2173	3.0797	0.0366	0.0128	0.177	0.2264
1432	18.4	18.7	0.4342	2.4283	0.2173	3.0797	0.0384	0.0165	0.1791	0.234
1433	18.5	18.7	0.4345	2.4279	0.2173	3.0796	0.042	0.0167	0.1784	0.237
1434	18.3	18.8	0.4348	2.4283	0.2168	3.0799	0.0404	0.0126	0.1726	0.2256

1435	18.4	18.8	0.4356	2.4287	0.2161	3.0805	0.0422	0.0088	0.1715	0.2225
1436	18.5	18.8	0.4358	2.4295	0.2152	3.0805	0.0568	-0.0026	0.1689	0.2231
1437	18.4	18.8	0.4358	2.4294	0.215	3.0802	0.0675	-0.0142	0.1765	0.2298
1438	18.4	18.9	0.4357	2.4283	0.2156	3.0795	0.0733	-0.0177	0.1841	0.2397
1439	18.7	19	0.436	2.4278	0.2154	3.0792	0.0675	-0.015	0.1851	0.2376
1440	19.2	19	0.4357	2.4278	0.2156	3.0791	0.0548	-0.0122	0.191	0.2336
1441	19.6	19.1	0.435	2.4279	0.2162	3.079	0.0413	-0.0101	0.1987	0.2299
1442	19.8	19.1	0.4343	2.4278	0.2164	3.0786	0.0271	-0.0035	0.2009	0.2245
1443	19.8	19.1	0.434	2.4278	0.2159	3.0777	0.0179	0.001	0.1991	0.218
1444	19.8	19.1	0.4337	2.4282	0.2151	3.077	0.0218	0.0004	0.1956	0.2178
1445	19.6	19.2	0.4336	2.4286	0.2146	3.0768	0.0319	-0.0025	0.1822	0.2116
1446	19.3	19.2	0.4344	2.4284	0.2143	3.0771	0.0441	-0.0072	0.1803	0.2172
1447	19.5	19.2	0.436	2.4281	0.2134	3.0775	0.0509	-0.0119	0.1814	0.2205
1448	19.5	19.2	0.4375	2.4274	0.2134	3.0782	0.0654	-0.0172	0.176	0.2243
1449	19.4	19.2	0.4377	2.4275	0.2135	3.0787	0.0831	-0.0185	0.1748	0.2393
1450	19	19.2	0.4378	2.428	0.2131	3.0789	0.0884	-0.0183	0.1838	0.254
1451	19.1	19.1	0.4379	2.428	0.2127	3.0786	0.0912	-0.0194	0.1986	0.2704
1452	18.8	19.1	0.4382	2.4286	0.2131	3.0799	0.095	-0.0255	0.2118	0.2813
1453	19	19	0.4375	2.4293	0.2131	3.0799	0.0885	-0.0173	0.2195	0.2908
1454	18.8	19	0.4364	2.4308	0.2132	3.0805	0.0787	-0.0049	0.2223	0.2961
1455	18.8	18.9	0.4362	2.4313	0.2129	3.0804	0.0725	0.0055	0.217	0.295
1456	18.8	18.9	0.4351	2.4317	0.2132	3.0801	0.0694	0.0077	0.2084	0.2855
1457	18.6	18.9	0.4347	2.4321	0.2134	3.0802	0.0647	0.0067	0.2034	0.2747
1458	18.6	18.9	0.4353	2.4321	0.213	3.0803	0.0596	0.006	0.2033	0.2689
1459	18.8	18.9	0.4352	2.4318	0.2125	3.0796	0.0596	0.0043	0.2069	0.2709
1460	18.4	18.9	0.4349	2.4317	0.2124	3.079	0.0597	-0.0007	0.2072	0.2662
1461	18.7	18.9	0.4355	2.4315	0.2119	3.0789	0.0613	-0.0109	0.2063	0.2567
1462	18.8	18.9	0.4363	2.4315	0.2117	3.0794	0.0545	-0.0199	0.2004	0.235
1463	19	18.8	0.4362	2.4316	0.2114	3.0792	0.0572	-0.0217	0.1882	0.2238
1464	18.9	18.9	0.4372	2.4317	0.211	3.0799	0.0627	-0.0206	0.1737	0.2158
1465	19.1	18.9	0.4367	2.4318	0.2107	3.0792	0.0766	-0.0228	0.1687	0.2225
1466	19.4	18.9	0.4362	2.4317	0.2111	3.079	0.0811	-0.0269	0.1663	0.2205
1467	19.1	18.9	0.4352	2.4315	0.2114	3.0781	0.0826	-0.0353	0.1751	0.2224
1468	18.9	18.9	0.4348	2.4318	0.2118	3.0785	0.0804	-0.0439	0.1791	0.2156
1469	19	18.8	0.4345	2.432	0.2117	3.0783	0.0751	-0.0388	0.1867	0.2229
1470	18.9	18.9	0.4341	2.4323	0.2111	3.0775	0.0745	-0.0318	0.1969	0.2396
1471	18.9	18.9	0.4333	2.4325	0.2104	3.0762	0.0715	-0.0301	0.1992	0.2406

1472	18.9	18.9	0.4335	2.4321	0.2098	3.0754	0.0766	-0.0301	0.1988	0.2453
1473	18.9	18.9	0.4345	2.4313	0.2093	3.0751	0.0806	-0.0288	0.1932	0.245
1474	19	18.9	0.4351	2.4305	0.2086	3.0743	0.0775	-0.0154	0.1809	0.243
1475	19.2	18.8	0.4352	2.4299	0.2078	3.0729	0.0724	-0.0071	0.1753	0.2405
1476	18.8	18.7	0.4362	2.4293	0.2072	3.0727	0.0633	-0.0111	0.1693	0.2215
1477	18	18.6	0.4371	2.4294	0.2071	3.0736	0.0635	-0.0137	0.1704	0.2202
1478	18.2	18.6	0.4373	2.4291	0.2075	3.0738	0.0674	-0.0189	0.1686	0.2171
1479	18.8	18.5	0.4362	2.4291	0.208	3.0733	0.0647	-0.0239	0.1648	0.2056
1480	18.8	18.5	0.4362	2.4292	0.2085	3.0739	0.0574	-0.0266	0.1645	0.1953
1481	19.1	18.5	0.4368	2.4286	0.2079	3.0733	0.0578	-0.0237	0.1636	0.1977
1482	18.7	18.4	0.4372	2.4286	0.2075	3.0733	0.0633	-0.0219	0.1702	0.2116
1483	18.6	18.4	0.4371	2.429	0.2077	3.0738	0.0651	-0.0216	0.1785	0.2221
1484	18	18.4	0.4365	2.4288	0.2075	3.0728	0.0608	-0.0232	0.1797	0.2172
1485	17.6	18.3	0.4364	2.4288	0.2076	3.0728	0.0589	-0.0169	0.1788	0.2209
1486	17.2	18.2	0.4365	2.4298	0.2069	3.0731	0.0677	-0.0111	0.1721	0.2287
1487	17.9	18.2	0.4363	2.4306	0.2065	3.0734	0.0757	-0.0044	0.1624	0.2337
1488	18.3	18.2	0.4367	2.4311	0.2068	3.0746	0.0773	-0.008	0.1595	0.2287
1489	18.3	18.1	0.4369	2.4313	0.2068	3.0749	0.0765	-0.0207	0.1617	0.2175
1490	18.4	18.1	0.4369	2.4313	0.2064	3.0747	0.0881	-0.0266	0.1579	0.2194
1491	18.4	18.1	0.4371	2.4309	0.2061	3.0741	0.0979	-0.0276	0.1594	0.2297
1492	18	18.1	0.437	2.4306	0.2056	3.0732	0.0959	-0.0274	0.1669	0.2353
1493	18.2	18.1	0.4367	2.4307	0.2051	3.0725	0.0891	-0.0275	0.175	0.2366
1494	17.8	18.1	0.4367	2.4305	0.2054	3.0726	0.0903	-0.0275	0.1903	0.253
1495	17.5	18.1	0.4356	2.4305	0.2058	3.0719	0.0858	-0.027	0.1856	0.2445
1496	17.4	18.2	0.4354	2.4308	0.2056	3.0717	0.0778	-0.0176	0.1924	0.2525
1497	18	18.2	0.4343	2.4308	0.2061	3.0712	0.0822	-0.016	0.2017	0.2679
1498	18.1	18.2	0.4326	2.4307	0.2063	3.0696	0.0941	-0.018	0.1979	0.2739
1499	18.6	18.2	0.4318	2.4304	0.2061	3.0684	0.1065	-0.0256	0.2016	0.2825
1500	18.6	18.2	0.4309	2.4303	0.2058	3.0671	0.1114	-0.0245	0.2024	0.2893
1501	18.5	18.2	0.4301	2.4309	0.2054	3.0664	0.1178	-0.0147	0.1925	0.2956
1502	18.2	18.2	0.4309	2.4304	0.2045	3.0658	0.1267	-0.0104	0.1856	0.302
1503	18.5	18.2	0.4319	2.4296	0.2037	3.0652	0.133	-0.0016	0.1897	0.3211
1504	18.4	18.3	0.4324	2.4288	0.2039	3.0651	0.1262	0.0073	0.1941	0.3276
1505	18.3	18.3	0.433	2.4286	0.2045	3.0661	0.122	0.0193	0.203	0.3443
1506	18.6	18.3	0.4335	2.429	0.2046	3.0671	0.1145	0.0281	0.2038	0.3463
1507	18.4	18.4	0.4336	2.4298	0.2043	3.0676	0.0992	0.0383	0.2081	0.3457
1508	18.4	18.3	0.4338	2.4301	0.2038	3.0677	0.0998	0.0401	0.2092	0.3491

1509	18.5	18.3	0.4334	2.4304	0.2035	3.0673	0.1098	0.0449	0.2053	0.36
1510	18.3	18.3	0.433	2.4308	0.2033	3.0671	0.1178	0.0487	0.1943	0.3608
1511	18	18.3	0.4325	2.4314	0.2035	3.0674	0.1116	0.048	0.1889	0.3485
1512	18.3	18.3	0.4318	2.4321	0.2039	3.0678	0.1074	0.046	0.1839	0.3373
1513	18.5	18.3	0.4311	2.4322	0.2039	3.0672	0.102	0.0426	0.1826	0.3272
1514	18.3	18.3	0.4299	2.4322	0.2036	3.0657	0.0916	0.0377	0.1774	0.3066
1515	17.9	18.3	0.4298	2.4318	0.2034	3.0651	0.0969	0.035	0.1717	0.3037
1516	18.4	18.3	0.4299	2.4312	0.2022	3.0633	0.0904	0.0326	0.1671	0.2901
1517	17.8	18.4	0.4299	2.4309	0.2017	3.0625	0.0883	0.0255	0.1689	0.2827
1518	17.7	18.3	0.4302	2.4304	0.2009	3.0615	0.0828	0.0165	0.1723	0.2715
1519	18.2	18.3	0.4302	2.4297	0.2	3.0599	0.0833	0.0147	0.1781	0.276
1520	18.6	18.2	0.43	2.4288	0.1999	3.0587	0.0838	0.0169	0.1792	0.2799
1521	18.5	18.2	0.4299	2.4288	0.2	3.0587	0.0818	0.0182	0.1757	0.2758
1522	18.7	18.1	0.4302	2.4286	0.2	3.0587	0.0787	0.0205	0.1697	0.2689
1523	18.8	18	0.4305	2.4281	0.2006	3.0593	0.0717	0.0206	0.1597	0.2521
1524	18.7	17.9	0.4309	2.428	0.2015	3.0603	0.0795	0.0129	0.1607	0.2531
1525	18.6	17.8	0.431	2.4282	0.2019	3.0611	0.082	0.0044	0.1616	0.2481
1526	18.6	17.7	0.4308	2.4289	0.2019	3.0616	0.0908	-0.004	0.1553	0.2422
1527	18.1	17.6	0.4304	2.4301	0.2017	3.0622	0.1041	-0.0113	0.1495	0.2424
1528	17.5	17.6	0.4304	2.4309	0.2014	3.0627	0.1151	-0.0087	0.1474	0.2538
1529	17.2	17.5	0.4296	2.4314	0.2009	3.0619	0.1135	-0.0152	0.1476	0.2458
1530	16.7	17.5	0.4283	2.431	0.2009	3.0602	0.0972	-0.021	0.1497	0.226
1531	16.9	17.4	0.4276	2.4306	0.2002	3.0585	0.0958	-0.0265	0.1592	0.2286
1532	16.5	17.4	0.4277	2.4304	0.1994	3.0575	0.1011	-0.036	0.1631	0.2281
1533	16.2	17.3	0.4284	2.4302	0.1993	3.0579	0.1033	-0.0366	0.1679	0.2346
1534	16.3	17.3	0.4289	2.43	0.1989	3.0578	0.0998	-0.033	0.1744	0.2411
1535	16.5	17.2	0.4289	2.4298	0.1989	3.0576	0.0878	-0.0352	0.1768	0.2294
1536	16.7	17.2	0.4282	2.4299	0.1989	3.0571	0.0806	-0.0334	0.1828	0.23
1537	17	17.2	0.4281	2.4302	0.1991	3.0573	0.0799	-0.0215	0.1798	0.2382
1538	17.1	17.2	0.4281	2.4303	0.1994	3.0578	0.0797	-0.0146	0.1765	0.2415
1539	17.4	17.2	0.4272	2.4304	0.1996	3.0573	0.0865	-0.0101	0.1784	0.2548
1540	17.8	17.2	0.426	2.4305	0.1997	3.0562	0.0961	-0.0103	0.1776	0.2634
1541	17.7	17.3	0.4254	2.4306	0.1995	3.0555	0.0985	-0.0138	0.1785	0.2631
1542	17.7	17.3	0.4254	2.4306	0.1989	3.0549	0.1018	-0.0179	0.1738	0.2577
1543	17.9	17.4	0.4249	2.4306	0.1969	3.0524	0.1052	-0.019	0.1632	0.2493
1544	17.7	17.5	0.4252	2.4309	0.1965	3.0526	0.1014	-0.0165	0.1539	0.2389
1545	17.5	17.6	0.4258	2.4303	0.1954	3.0515	0.0956	-0.0171	0.1586	0.2371

1546	17.5	17.7	0.4262	2.43	0.1941	3.0503	0.0744	-0.0153	0.1707	0.2298
1547	17.9	17.7	0.4266	2.4299	0.1936	3.0501	0.0618	-0.0114	0.1756	0.2261
1548	17.6	17.7	0.4268	2.43	0.1932	3.0499	0.0438	-0.0114	0.1875	0.22
1549	17.4	17.7	0.4266	2.4299	0.1933	3.0498	0.0148	-0.0158	0.208	0.207
1550	17.6	17.6	0.426	2.4295	0.1938	3.0493	0.0165	-0.0173	0.2095	0.2087
1551	17.8	17.6	0.4252	2.4291	0.1941	3.0484	0.025	-0.0138	0.201	0.2122
1552	17.9	17.5	0.4249	2.4288	0.1941	3.0478	0.0231	-0.0058	0.1957	0.213
1553	18.1	17.5	0.4249	2.4286	0.1937	3.0471	0.0288	-0.004	0.1925	0.2174
1554	18.1	17.5	0.4242	2.4289	0.1929	3.046	0.0291	-0.0106	0.193	0.2116
1555	17.7	17.5	0.4248	2.4285	0.1925	3.0458	0.0261	-0.014	0.2023	0.2145
1556	17.4	17.5	0.4252	2.4279	0.1924	3.0455	0.028	-0.0135	0.2102	0.2247
1557	17.4	17.5	0.4247	2.4281	0.1925	3.0453	0.0354	-0.0118	0.2084	0.2321
1558	17.2	17.5	0.4243	2.4276	0.1924	3.0443	0.0476	-0.0078	0.1988	0.2385
1559	16.9	17.5	0.4235	2.427	0.1931	3.0435	0.062	-0.005	0.1887	0.2456
1560	16.8	17.5	0.4237	2.4269	0.1935	3.0441	0.0594	-0.003	0.1867	0.2432
1561	16.9	17.4	0.4248	2.4269	0.1935	3.0452	0.0575	0.0006	0.1817	0.2398
1562	17.1	17.3	0.4261	2.4273	0.1934	3.0467	0.0522	0.0037	0.1899	0.2458
1563	17.6	17.2	0.4271	2.4278	0.1936	3.0485	0.0532	0.0058	0.2513	0.3102
1564	18	17.2	0.4276	2.4282	0.1938	3.0496	0.0546	0.0034	0.3956	0.4536
1565	18.1	17.1	0.4277	2.4285	0.194	3.0502	0.0598	0.0034	0.3905	0.4537
1566	17.7	17.1	0.4274	2.4292	0.1942	3.0507	0.0635	-0.002	0.3913	0.4528
1567	17.3	17.1	0.427	2.4299	0.1942	3.051	0.0585	-0.0075	0.389	0.44
1568	17.3	17.1	0.4265	2.4303	0.194	3.0509	0.0491	-0.005	0.3953	0.4395
1569	16.7	17.1	0.4261	2.4304	0.1938	3.0503	0.0479	-0.0015	0.3949	0.4413
1570	16.6	17.2	0.4259	2.4305	0.1935	3.05	0.0472	0.0006	0.3871	0.4349
1571	16.7	17.2	0.4255	2.4304	0.1934	3.0493	0.0439	0.0009	0.3862	0.431
1572	16.2	17.3	0.4263	2.43	0.1939	3.0502	0.0507	0.0035	0.3871	0.4412
1573	16.6	17.3	0.4266	2.43	0.1932	3.0498	0.0689	0.006	0.3782	0.4531
1574	16.5	17.3	0.4269	2.4301	0.1924	3.0495	0.0768	0.0073	0.3795	0.4636
1575	16.9	17.3	0.4261	2.4303	0.1923	3.0487	0.0898	0.0015	0.3886	0.4799
1576	17.2	17.3	0.4258	2.4304	0.1922	3.0484	0.0949	0.0122	0.391	0.4981
1577	17.4	17.3	0.4256	2.4302	0.1924	3.0483	0.0936	0.0214	0.401	0.516
1578	17.7	17.4	0.4259	2.4306	0.1927	3.0492	0.1008	0.0355	0.4053	0.5416
1579	18	17.4	0.4265	2.4312	0.193	3.0507	0.1017	0.0502	0.3976	0.5495
1580	17.9	17.5	0.4266	2.4318	0.1926	3.051	0.0932	0.0572	0.3948	0.5453
1581	18	17.6	0.4267	2.4322	0.1916	3.0505	0.0743	0.0494	0.3929	0.5166
1582	18	17.6	0.4268	2.4323	0.1907	3.0498	0.063	0.0409	0.3849	0.4888

1583	17.8	17.7	0.4271	2.4323	0.1902	3.0497	0.0642	0.0373	0.3818	0.4832
1584	17.8	17.8	0.4277	2.4323	0.1898	3.0499	0.0751	0.0335	0.384	0.4926
1585	17.8	17.8	0.4283	2.4321	0.1893	3.0498	0.0833	0.0335	0.3806	0.4974
1586	18	17.8	0.4285	2.4319	0.1889	3.0493	0.0711	0.0444	0.3852	0.5008
1587	18	17.9	0.4284	2.4321	0.1888	3.0493	0.0546	0.0461	0.3907	0.4915
1588	17.9	17.9	0.428	2.4321	0.189	3.0491	0.0481	0.0476	0.3947	0.4903
1589	18	17.9	0.4273	2.4323	0.189	3.0486	0.0618	0.0445	0.3967	0.5031
1590	17.9	18	0.4271	2.4327	0.1886	3.0484	0.062	0.0464	0.3936	0.5019
1591	17.5	18	0.4269	2.4327	0.1887	3.0483	0.0659	0.0422	0.3963	0.5043
1592	17.7	17.9	0.4265	2.4325	0.1893	3.0482	0.0721	0.0367	0.392	0.5008
1593	17.9	17.9	0.4266	2.4323	0.1898	3.0486	0.074	0.0304	0.3986	0.503
1594	17.7	17.9	0.4272	2.4322	0.1895	3.0489	0.0634	0.0301	0.3888	0.4824
1595	17.8	17.8	0.4282	2.4321	0.1887	3.0489	0.0563	0.039	0.3864	0.4816
1596	18.1	17.8	0.4292	2.4319	0.188	3.0491	0.0516	0.0458	0.3738	0.4712
1597	18.3	17.8	0.4299	2.4319	0.1873	3.0492	0.0356	0.056	0.3735	0.4652
1598	18.3	17.7	0.4311	2.4323	0.1855	3.0489	0.0156	0.0567	0.39	0.4623
1599	18.4	17.7	0.4302	2.4321	0.1852	3.0475	0.0089	0.0586	0.3888	0.4563
1600	18.3	17.7	0.4284	2.4317	0.1857	3.0458	0.0106	0.058	0.3844	0.453
1601	17.6	17.7	0.4278	2.4315	0.1858	3.0451	0.0043	0.0495	0.3861	0.4399
1602	17.4	17.7	0.428	2.4308	0.1853	3.044	-0.0027	0.0396	0.3875	0.4243
1603	17	17.8	0.429	2.4306	0.1844	3.0441	-0.0081	0.0387	0.3873	0.4179
1604	17	17.8	0.4298	2.4302	0.1837	3.0437	-0.001	0.0341	0.3783	0.4114
1605	17.2	17.8	0.4302	2.43	0.1835	3.0436	-0.0102	0.028	0.3644	0.3821
1606	17.4	17.7	0.4299	2.4302	0.1838	3.0439	-0.0087	0.0093	0.3583	0.3589
1607	17.7	17.7	0.4288	2.4305	0.1844	3.0438	0.0012	-0.0007	0.3531	0.3536
1608	17.9	17.7	0.4276	2.4306	0.1849	3.0431	0.0053	-0.0015	0.3521	0.356
1609	17.6	17.6	0.4275	2.4307	0.1848	3.043	0.0165	-0.0092	0.3504	0.3577
1610	17.6	17.6	0.4272	2.4307	0.1851	3.0431	0.0146	-0.0176	0.3622	0.3593
1611	18.1	17.6	0.4273	2.4311	0.1845	3.0428	0.0191	-0.0187	0.3762	0.3766
1612	18.2	17.6	0.4265	2.4315	0.1787	3.0367	0.0225	-0.018	0.3785	0.383
1613	18.4	17.7	0.4256	2.4319	0.1643	3.0219	0.0246	-0.0156	0.3776	0.3866
1614	17.6	17.7	0.4239	2.4319	0.1645	3.0203	0.0319	-0.0083	0.3779	0.4015
1615	17.4	17.8	0.4235	2.432	0.1643	3.0198	0.042	0	0.3766	0.4186
1616	17.3	17.7	0.424	2.4319	0.1633	3.0193	0.0453	0.0071	0.3789	0.4312
1617	17.5	17.7	0.425	2.4314	0.1622	3.0185	0.04	0.0129	0.3836	0.4365
1618	17.8	17.7	0.4254	2.4306	0.1614	3.0174	0.0358	0.0135	0.3864	0.4356
1619	17.7	17.6	0.4254	2.4297	0.1613	3.0164	0.025	0.0169	0.3915	0.4335

1620	17.7	17.6	0.4256	2.4287	0.1613	3.0156	0.0139	0.014	0.3954	0.4233
1621	17.9	17.6	0.4248	2.4284	0.1613	3.0145	0.0072	0.0182	0.3973	0.4227
1622	18.3	17.5	0.4233	2.428	0.1622	3.0134	0.0004	0.016	0.3978	0.4141
1623	17.7	17.5	0.4228	2.4274	0.1627	3.0129	0.0142	0.0116	0.4026	0.4284
1624	17.7	17.4	0.4219	2.4279	0.1626	3.0123	0.0321	0.012	0.3976	0.4417
1625	17.3	17.4	0.4215	2.427	0.1628	3.0113	0.0459	0.0129	0.3973	0.456
1626	17.2	17.4	0.4214	2.4268	0.1618	3.01	0.0328	0.0203	0.4064	0.4595
1627	16.9	17.4	0.4203	2.4265	0.1612	3.0081	0.0175	0.033	0.4125	0.463
1628	17.1	17.3	0.4202	2.4259	0.1616	3.0077	0.0084	0.0384	0.4186	0.4655
1629	17.2	17.2	0.4203	2.4256	0.1614	3.0074	0.0083	0.0568	0.4268	0.4919
1630	17	17.2	0.4209	2.4261	0.1616	3.0085	0.0131	0.0667	0.4293	0.5091
1631	17.1	17.2	0.4213	2.4265	0.1618	3.0096	0.0067	0.0799	0.4304	0.517
1632	17.4	17.1	0.4213	2.4267	0.1612	3.0092	0.0038	0.0928	0.4208	0.5175
1633	17.1	17	0.4209	2.4269	0.1609	3.0086	-0.0037	0.099	0.4097	0.5049
1634	17.4	17	0.4206	2.4266	0.1608	3.008	-0.0153	0.097	0.4072	0.4889
1635	16.7	17	0.4217	2.4254	0.1604	3.0076	-0.0193	0.0955	0.4116	0.4878
1636	16.8	16.9	0.4228	2.4253	0.1599	3.0079	-0.0171	0.0905	0.4106	0.4839
1637	16.8	16.9	0.4233	2.4254	0.1596	3.0083	-0.0171	0.0826	0.4046	0.4701
1638	16.4	16.9	0.4219	2.4259	0.1597	3.0075	-0.0179	0.0777	0.4007	0.4605
1639	16.8	16.8	0.421	2.4258	0.1603	3.0071	-0.0191	0.0706	0.3973	0.4488
1640	17.3	16.8	0.4194	2.4263	0.16	3.0057	-0.021	0.0664	0.3912	0.4367
1641	16.9	16.7	0.4182	2.4269	0.1603	3.0054	-0.016	0.0574	0.3874	0.4288
1642	16.8	16.6	0.418	2.4276	0.1591	3.0046	-0.0112	0.0492	0.3862	0.4242
1643	16.9	16.6	0.4186	2.4276	0.158	3.0042	-0.0021	0.0438	0.3853	0.4271
1644	16.8	16.5	0.4195	2.427	0.1579	3.0044	-0.0047	0.0412	0.387	0.4235
1645	16.5	16.5	0.4207	2.4258	0.158	3.0044	-0.0044	0.0365	0.3823	0.4144
1646	16.5	16.6	0.4226	2.4244	0.1568	3.0038	0.0042	0.0311	0.3788	0.414
1647	16.4	16.6	0.4251	2.4243	0.1546	3.0039	0.0161	0.0272	0.3756	0.4189
1648	16	16.7	0.4259	2.4241	0.1543	3.0043	0.0252	0.0274	0.3689	0.4215
1649	16.1	16.7	0.4255	2.4241	0.1548	3.0045	0.0359	0.0336	0.35	0.4195
1650	15.9	16.7	0.4256	2.4245	0.1552	3.0053	0.0259	0.0392	0.3451	0.4102
1651	16	16.8	0.4255	2.4251	0.1554	3.006	0.0104	0.0435	0.3468	0.4007
1652	16.4	16.8	0.4257	2.4249	0.1554	3.006	0.0006	0.0464	0.3447	0.3916
1653	16.5	16.8	0.425	2.4252	0.1559	3.006	-0.0026	0.0438	0.3387	0.3799
1654	16.7	16.9	0.4253	2.4261	0.1564	3.0078	0.0021	0.0442	0.3302	0.3766
1655	17.2	17	0.4256	2.4276	0.1567	3.0099	0.0047	0.0394	0.3214	0.3655
1656	17.7	17	0.4251	2.428	0.1571	3.0101	0.0074	0.0379	0.3167	0.362

1657	17.6	17.1	0.4242	2.4282	0.1573	3.0097	0.0095	0.0472	0.3178	0.3745
1658	17.6	17.2	0.4226	2.4285	0.1574	3.0085	0.0003	0.0494	0.3238	0.3735
1659	17.7	17.3	0.422	2.4287	0.1568	3.0076	-0.0096	0.044	0.3282	0.3626
1660	17.5	17.4	0.4218	2.4287	0.1559	3.0065	-0.0061	0.0421	0.3224	0.3584
1661	17.4	17.5	0.4226	2.4287	0.1556	3.0069	-0.0049	0.0414	0.3276	0.3642
1662	17.5	17.5	0.4236	2.4288	0.1556	3.0081	-0.0044	0.0446	0.327	0.3671
1663	17.7	17.5	0.4239	2.4287	0.1558	3.0084	-0.013	0.0481	0.2724	0.3075
1664	17.8	17.5	0.4234	2.4282	0.1561	3.0077	-0.0187	0.0493	0.1284	0.159
1665	17.7	17.5	0.4231	2.4278	0.1561	3.0071	-0.0324	0.0464	0.1308	0.1448
1666	17.8	17.4	0.4234	2.4279	0.1558	3.0071	-0.038	0.0493	0.1297	0.1411
1667	18	17.3	0.4234	2.4285	0.1555	3.0074	-0.0286	0.0473	0.1203	0.139
1668	18.5	17.2	0.424	2.4286	0.1549	3.0075	-0.0191	0.0462	0.0996	0.1266
1669	17.7	17	0.4247	2.429	0.1543	3.0079	-0.0141	0.034	0.0865	0.1065
1670	17.1	16.9	0.4252	2.4287	0.1538	3.0077	-0.0143	0.0177	0.0921	0.0955
1671	17.3	16.8	0.4254	2.4288	0.1536	3.0079	-0.0117	0.0079	0.0989	0.095
1672	16.8	16.7	0.4249	2.4288	0.1536	3.0073	-0.0159	0.0085	0.1005	0.0931
1673	16.4	16.6	0.4234	2.4288	0.1534	3.0056	-0.0245	0.0003	0.1095	0.0853
1674	16.1	16.5	0.4224	2.4288	0.1527	3.0039	-0.0156	-0.0158	0.117	0.0856
1675	15.8	16.4	0.4228	2.4282	0.1517	3.0027	-0.0099	-0.0036	0.1232	0.1096
1676	15.6	16.3	0.424	2.4271	0.151	3.0021	-0.0099	-0.0007	0.139	0.1284
1677	15.4	16.2	0.4248	2.4264	0.1505	3.0017	-0.01	0.0029	0.1341	0.127
1678	15.1	16	0.4251	2.4249	0.15	3.0001	-0.0267	0.0109	0.1366	0.1208
1679	15.6	15.9	0.4252	2.4245	0.1501	2.9998	-0.0361	0.0265	0.1503	0.1406
1680	15.6	15.8	0.426	2.4238	0.1495	2.9993	-0.0444	0.0455	0.1488	0.1498
1681	15.8	15.7	0.4263	2.4229	0.1495	2.9987	-0.0449	0.0583	0.1482	0.1617
1682	15.9	15.6	0.4272	2.4224	0.1498	2.9993	-0.0449	0.0687	0.1467	0.1704
1683	15.6	15.5	0.4287	2.4226	0.1495	3.0008	-0.05	0.0789	0.1405	0.1694
1684	15.7	15.5	0.4296	2.4228	0.1487	3.0011	-0.0542	0.087	0.1395	0.1723
1685	15.9	15.5	0.43	2.4231	0.1482	3.0014	-0.0545	0.0806	0.1405	0.1665
1686	15.8	15.5	0.4302	2.4237	0.1484	3.0023	-0.0434	0.0619	0.1365	0.155
1687	15.6	15.6	0.4302	2.4243	0.1487	3.0032	-0.0325	0.0615	0.1336	0.1627
1688	15.1	15.6	0.4299	2.425	0.1493	3.0042	-0.0313	0.0699	0.131	0.1697
1689	14.9	15.7	0.4293	2.4257	0.1499	3.0049	-0.0462	0.0741	0.1259	0.1538
1690	14.7	15.8	0.4287	2.4269	0.1498	3.0055	-0.0474	0.065	0.1292	0.1467
1691	15.4	15.8	0.428	2.4278	0.15	3.0059	-0.058	0.0581	0.1271	0.1273
1692	15.5	15.9	0.4267	2.4281	0.1507	3.0055	-0.0718	0.0579	0.1313	0.1174
1693	15.6	16	0.427	2.4282	0.1511	3.0063	-0.082	0.0579	0.1312	0.107

1694	15.6	16	0.4276	2.4286	0.1513	3.0075	-0.0843	0.0529	0.1347	0.1033
1695	15.8	16.1	0.4277	2.429	0.1508	3.0075	-0.0789	0.0476	0.1353	0.104
1696	16.4	16.2	0.4276	2.4292	0.1504	3.0072	-0.068	0.0391	0.1319	0.103
1697	16.6	16.3	0.4274	2.4292	0.1505	3.007	-0.0483	0.0292	0.1076	0.0886
1698	16.7	16.4	0.4275	2.4289	0.1505	3.0069	-0.0255	0.0246	0.0859	0.0851
1699	17	16.5	0.4276	2.4282	0.1507	3.0065	-0.0257	0.0212	0.0892	0.0848
1700	17.2	16.6	0.4274	2.4273	0.151	3.0058	-0.0342	0.0181	0.0955	0.0794
1701	17.1	16.7	0.4277	2.4269	0.1513	3.0059	-0.034	0.0182	0.1021	0.0863
1702	16.9	16.8	0.4282	2.4264	0.1514	3.0061	-0.0337	0.0223	0.1069	0.0956
1703	16.9	16.9	0.4288	2.4262	0.1514	3.0064	-0.0316	0.0164	0.1122	0.097
1704	17	16.9	0.4293	2.4262	0.1516	3.0071	-0.0419	0.0162	0.1227	0.097
1705	17.7	17	0.4294	2.4262	0.1518	3.0074	-0.0471	0.0267	0.1321	0.1117
1706	17.5	17.1	0.429	2.4255	0.152	3.0065	-0.0545	0.0432	0.1355	0.1241
1707	17	17.2	0.4288	2.4256	0.152	3.0064	-0.0646	0.0485	0.1388	0.1226
1708	17.2	17.2	0.4286	2.4262	0.1521	3.0069	-0.0767	0.0485	0.1398	0.1116
1709	17	17.3	0.4281	2.4265	0.1526	3.0071	-0.0906	0.053	0.1419	0.1043
1710	17	17.3	0.4277	2.4266	0.1524	3.0067	-0.0961	0.0404	0.1449	0.0892
1711	17.1	17.3	0.4277	2.4266	0.1518	3.0061	-0.0959	0.0306	0.1298	0.0645
1712	16.8	17.4	0.4278	2.4267	0.1515	3.006	-0.0932	0.0282	0.1247	0.0597
1713	16.9	17.4	0.4275	2.427	0.1515	3.006	-0.0855	0.026	0.1284	0.0689
1714	17.4	17.5	0.4271	2.4273	0.1515	3.0059	-0.0812	0.0237	0.132	0.0745
1715	18.1	17.5	0.4273	2.4271	0.1513	3.0057	-0.0836	0.016	0.136	0.0684
1716	17.9	17.5	0.4269	2.4272	0.1513	3.0054	-0.0837	0.0069	0.1381	0.0612
1717	18.1	17.5	0.4269	2.4267	0.1522	3.0059	-0.079	0.0016	0.141	0.0636
1718	18.1	17.5	0.4268	2.4272	0.1528	3.0067	-0.0735	0.0074	0.141	0.0749
1719	17.7	17.5	0.4269	2.4279	0.1521	3.0069	-0.0563	0.0164	0.1287	0.0888
1720	17.4	17.5	0.4267	2.4279	0.1514	3.0061	-0.0419	0.0307	0.1217	0.1105
1721	17.3	17.5	0.4264	2.4276	0.1512	3.0052	-0.0367	0.0308	0.1151	0.1092
1722	17.6	17.5	0.4257	2.428	0.1512	3.0049	-0.0261	0.0312	0.1171	0.1222
1723	18	17.5	0.4244	2.429	0.151	3.0044	-0.0236	0.0296	0.117	0.1229
1724	17.8	17.5	0.4229	2.4282	0.1503	3.0014	-0.0364	0.0273	0.1222	0.1131
1725	17.5	17.4	0.4225	2.4271	0.1489	2.9985	-0.0481	0.0254	0.1193	0.0966
1726	17.4	17.3	0.4224	2.4265	0.1484	2.9973	-0.0429	0.0178	0.1134	0.0882
1727	17	17.1	0.423	2.4254	0.1475	2.996	-0.0347	0.0102	0.1093	0.0848
1728	17	17	0.4238	2.4232	0.1466	2.9937	-0.0335	0.0079	0.1067	0.0812
1729	17.2	16.9	0.4248	2.4211	0.1465	2.9924	-0.0343	-0.0027	0.1047	0.0678
1730	17.2	16.8	0.4253	2.4202	0.1468	2.9923	-0.0297	-0.0073	0.1048	0.0678

1731	17.1	16.7	0.4258	2.4197	0.1471	2.9926	-0.0158	-0.0157	0.1012	0.0697
1732	16.9	16.6	0.4263	2.4188	0.1472	2.9923	-0.0077	-0.027	0.1019	0.0673
1733	16.7	16.4	0.4263	2.4182	0.1469	2.9914	0.0062	-0.0361	0.1021	0.0722
1734	16.4	16.3	0.426	2.4185	0.1468	2.9914	0.0275	-0.0363	0.1005	0.0917
1735	16	16.2	0.4261	2.4192	0.1468	2.9921	0.0488	-0.0384	0.0933	0.1038
1736	15.5	16.2	0.426	2.4192	0.1465	2.9917	0.0564	-0.038	0.0924	0.1109
1737	15.3	16.1	0.4264	2.4184	0.1465	2.9913	0.0671	-0.0342	0.0934	0.1263
1738	15.8	16.1	0.4265	2.4185	0.1471	2.9921	0.0733	-0.0302	0.0965	0.1396
1739	15.4	16	0.4258	2.4193	0.1474	2.9924	0.0778	-0.0244	0.1032	0.1566
1740	15.5	16	0.4252	2.4205	0.1473	2.993	0.0748	-0.02	0.1098	0.1646
1741	15.4	16	0.4254	2.4211	0.1472	2.9937	0.069	-0.0111	0.1175	0.1754
1742	15.2	16	0.4262	2.4218	0.146	2.9939	0.0548	-0.005	0.1278	0.1777
1743	15.3	16	0.427	2.4223	0.1446	2.9939	0.0361	-0.0014	0.1397	0.1743
1744	15.9	16.1	0.4274	2.4222	0.1444	2.994	0.0383	0.0025	0.1452	0.186
1745	16.3	16.1	0.4275	2.4218	0.1448	2.9941	0.0409	0.0081	0.146	0.195
1746	16	16.2	0.4274	2.4215	0.146	2.9949	0.0358	0.0148	0.1351	0.1857
1747	16.2	16.2	0.4276	2.4218	0.146	2.9954	0.0258	0.0212	0.1293	0.1764
1748	16.7	16.3	0.4285	2.422	0.1454	2.9958	0.024	0.0228	0.1258	0.1726
1749	16.9	16.3	0.4289	2.4223	0.1453	2.9966	0.0313	0.015	0.1286	0.1749
1750	17.1	16.3	0.429	2.4227	0.145	2.9967	0.0338	0.0025	0.1377	0.1741
1751	17	16.4	0.4289	2.4229	0.1447	2.9964	0.0328	-0.0038	0.1433	0.1723
1752	17	16.5	0.4289	2.4233	0.1442	2.9963	0.0366	-0.0087	0.1478	0.1756
1753	17	16.5	0.4292	2.4236	0.1436	2.9963	0.042	-0.0133	0.15	0.1787
1754	16.8	16.5	0.43	2.4234	0.1432	2.9966	0.0479	-0.0156	0.1518	0.1841
1755	16.3	16.5	0.4311	2.4233	0.1431	2.9975	0.0543	-0.0156	0.1547	0.1934
1756	16.6	16.6	0.4315	2.4231	0.1432	2.9979	0.0557	-0.0163	0.1593	0.1987
1757	16.6	16.6	0.4319	2.4234	0.1433	2.9986	0.0517	-0.0235	0.1628	0.191
1758	16.2	16.6	0.4317	2.4232	0.1432	2.9981	0.0504	-0.0228	0.1645	0.1921
1759	16.1	16.6	0.4316	2.4247	0.1424	2.9987	0.0483	-0.0161	0.1672	0.1993
1760	16.6	16.6	0.4314	2.4257	0.1429	3	0.0437	-0.0137	0.1743	0.2043
1761	16.3	16.6	0.4319	2.4259	0.1432	3.0009	0.0401	-0.0129	0.174	0.2013
1762	16.5	16.6	0.4322	2.4262	0.1428	3.0012	0.0407	-0.0125	0.1693	0.1974
1763	16.4	16.6	0.432	2.4263	0.1426	3.0009	0.042	-0.0118	0.1682	0.1984
1764	16.4	16.6	0.4317	2.4266	0.1425	3.0009	0.039	-0.0088	0.1701	0.2003
1765	16.5	16.7	0.4315	2.4272	0.1423	3.001	0.0351	-0.0054	0.1716	0.2014
1766	16.7	16.7	0.4313	2.4277	0.1417	3.0007	0.0368	-0.0071	0.1718	0.2015
1767	16.9	16.7	0.4307	2.4278	0.1414	2.9999	0.0331	-0.0063	0.174	0.2008

1768	16.9	16.8	0.4296	2.427	0.142	2.9986	0.0335	-0.0117	0.1869	0.2086
1769	17.1	16.8	0.4289	2.4259	0.1421	2.9969	0.0329	-0.0068	0.1959	0.2221
1770	17.3	16.9	0.4289	2.4256	0.1423	2.9968	0.0338	0.002	0.1905	0.2263
1771	17.1	17	0.428	2.4257	0.1419	2.9957	0.0327	0.0027	0.1842	0.2196
1772	17.1	17	0.4273	2.4259	0.1419	2.995	0.0291	-0.0019	0.1841	0.2113
1773	16.7	17.1	0.427	2.4261	0.1412	2.9943	0.0203	0.0031	0.1863	0.2097
1774	17.1	17.2	0.4272	2.4263	0.1408	2.9942	0.0036	0.0163	0.1855	0.2054
1775	17.2	17.2	0.4271	2.4265	0.1403	2.9939	-0.0165	0.0066	0.1789	0.169
1776	17.3	17.3	0.4275	2.4261	0.1401	2.9937	-0.0217	-0.0083	0.1626	0.1326
1777	17.1	17.3	0.4281	2.4256	0.1399	2.9936	-0.0233	-0.0162	0.1583	0.1188
1778	17	17.3	0.4285	2.4252	0.1395	2.9933	-0.0152	-0.0311	0.1482	0.1019
1779	17.3	17.2	0.4281	2.4253	0.1396	2.993	-0.0043	-0.0622	0.1376	0.0711
1780	17.7	17.1	0.4275	2.4254	0.1394	2.9923	0.0091	-0.0933	0.1386	0.0544
1781	17.8	17.1	0.4271	2.4256	0.1393	2.992	0.0174	-0.1071	0.144	0.0543
1782	18	17.1	0.4266	2.426	0.1396	2.9921	0.0248	-0.1166	0.1506	0.0588
1783	17.9	17.1	0.4259	2.4262	0.1395	2.9916	0.0316	-0.1311	0.1543	0.0548
1784	17.5	17.1	0.4248	2.4266	0.1394	2.9907	0.0324	-0.1423	0.1529	0.043
1785	16.9	17.1	0.4244	2.4269	0.139	2.9903	0.0287	-0.139	0.153	0.0428
1786	17	17	0.4235	2.4271	0.1391	2.9897	0.0302	-0.131	0.1549	0.0541
1787	16.6	17	0.4228	2.4273	0.1391	2.9893	0.0296	-0.1336	0.1531	0.0491
1788	16.2	16.9	0.4221	2.4275	0.1389	2.9886	0.036	-0.1476	0.1556	0.044
1789	16.2	16.9	0.4219	2.4277	0.1389	2.9885	0.0382	-0.1488	0.1681	0.0575
1790	16.7	16.8	0.4218	2.4281	0.1381	2.9879	0.0271	-0.1379	0.1748	0.064
1791	16.8	16.7	0.4225	2.4283	0.1373	2.9881	0.0174	-0.1202	0.1771	0.0744
1792	16.9	16.6	0.4231	2.4282	0.1368	2.9881	0.021	-0.1114	0.1776	0.0872
1793	17.1	16.5	0.4232	2.4279	0.1365	2.9877	0.0353	-0.1025	0.1597	0.0925
1794	16.7	16.5	0.4235	2.4278	0.1367	2.988	0.0506	-0.095	0.1379	0.0935
1795	16.3	16.5	0.4242	2.4275	0.1373	2.9889	0.0589	-0.0984	0.137	0.0975
1796	16.5	16.5	0.425	2.4271	0.1375	2.9896	0.0611	-0.1068	0.1473	0.1016
1797	15.7	16.3	0.425	2.4269	0.1379	2.9898	0.061	-0.1147	0.1722	0.1185
1798	16.2	16.2	0.4244	2.4274	0.1376	2.9895	0.0657	-0.1116	0.1754	0.1295
1799	16.2	16.3	0.4242	2.428	0.1369	2.9891	0.0838	-0.1104	0.167	0.1404
1800	16.5	16.5	0.4241	2.4277	0.1367	2.9885	0.0943	-0.1055	0.1686	0.1574