

Test Name	OSB, MW, 100 mm cavity, rep 2
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	25
Cavity Width [mm]	100
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 100 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 9 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. At approximately 11 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]	143
Time to Peak HRR [mins]	8.87
Residual HRR [kW]	4.89
Total HR [MJ]	54.4
Peak dQ/dt [kW/s]	0.752
Time to Peak dQ/dt [s]	5.83

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	0.0834	0.0834	4.0877	2.4283	-0.0014	6.5146	0.3471	-0.0034	0.0164	0.3601
1	0.62	0.704	4.0874	2.4281	-0.0015	6.514	0.3453	-0.0046	0.0161	0.3567
2	1.41	1.57	4.0869	2.4283	-0.0014	6.5138	0.3362	-0.0008	0.0157	0.3512
3	2.32	2.5	4.0864	2.4282	-0.0013	6.5132	0.3304	0.0025	0.0149	0.3477
4	3.41	3.3	4.0859	2.4281	-0.0012	6.5128	0.3271	0.007	0.0147	0.3488
5	4.45	4.01	4.0855	2.4284	-0.0013	6.5126	0.3343	0.008	0.0176	0.3598
6	5.24	4.58	4.085	2.4289	-0.0012	6.5128	0.3333	0.0088	0.0172	0.3593
7	5.79	5.04	4.0847	2.4294	-0.0012	6.5129	0.3317	0.0118	0.0149	0.3584
8	6.35	5.44	4.0845	2.4298	-0.0012	6.513	0.3213	0.0153	0.0128	0.3494
9	6.98	5.85	4.0842	2.4301	-0.0012	6.5131	0.3156	0.0173	0.0136	0.3465
10	7.44	6.32	4.0838	2.4304	-0.0012	6.513	0.3075	0.022	0.0105	0.34
11	7.5	6.76	4.0837	2.4303	-0.0013	6.5127	0.3072	0.0284	0.0085	0.3441
12	7.93	7.16	4.0833	2.43	-0.0014	6.5119	0.3069	0.0197	0.0069	0.3335
13	7.99	7.51	4.0834	2.4293	-0.0015	6.5112	0.3013	0.0155	0.008	0.3248
14	8.14	7.78	4.0833	2.4285	-0.0015	6.5103	0.3028	0.0081	0.0069	0.3178
15	8.28	8.02	4.0832	2.4283	-0.0013	6.5102	0.3067	0.0011	0.0075	0.3153
16	8.58	8.21	4.083	2.4281	-0.0011	6.51	0.307	0.0015	0.0051	0.3136
17	9.21	8.36	4.083	2.4278	-0.001	6.5098	0.3028	0.0021	0.0033	0.3082
18	9.48	8.47	4.0829	2.4274	-0.0011	6.5092	0.3003	-0.0051	0.0024	0.2976
19	8.91	8.55	4.0822	2.4271	-0.0012	6.5081	0.2991	-0.0091	0.0008	0.2908
20	9.02	8.6	4.0817	2.4275	-0.0012	6.508	0.3	-0.0084	0.0013	0.2928
21	9.01	8.65	4.0813	2.4282	-0.0011	6.5083	0.3055	-0.0079	0.0039	0.3015
22	9.05	8.7	4.0807	2.4288	-0.001	6.5084	0.3021	-0.003	0.0044	0.3035
23	8.57	8.78	4.0806	2.4292	-0.0009	6.5089	0.3041	0.0003	0.0044	0.3088
24	8.82	8.89	4.0807	2.4293	-0.001	6.509	0.2991	-0.0022	0.0057	0.3026
25	8.95	8.99	4.0803	2.4295	-0.0012	6.5085	0.2934	-0.001	0.0052	0.2975
26	8.66	9.09	4.0799	2.4298	-0.0014	6.5083	0.2984	-0.0027	0.0018	0.2976
27	8.47	9.15	4.0795	2.4299	-0.0016	6.5078	0.3029	-0.0066	0.0025	0.2988
28	8.46	9.19	4.0792	2.4297	-0.0017	6.5072	0.3048	-0.0095	0.0015	0.2968

29	8.3	9.28	4.0791	2.4296	-0.0018	6.5069	0.3068	-0.009	0.0027	0.3005
30	8.47	9.32	4.0787	2.4297	-0.0017	6.5067	0.3084	-0.0129	0.0026	0.2981
31	9.01	9.35	4.0784	2.4297	-0.0017	6.5064	0.3165	-0.0175	0.0015	0.3005
32	9.49	9.35	4.0782	2.4295	-0.0018	6.5059	0.3219	-0.0208	0.0032	0.3043
33	10.2	9.37	4.0779	2.4292	-0.002	6.5052	0.3256	-0.0251	0.0038	0.3043
34	10.1	9.37	4.0775	2.4291	-0.002	6.5047	0.3305	-0.03	0.0059	0.3064
35	10.4	9.33	4.0771	2.4284	-0.002	6.5036	0.3353	-0.029	0.005	0.3113
36	10.4	9.33	4.0766	2.4279	-0.0022	6.5023	0.3436	-0.031	0.0026	0.3151
37	10.3	9.33	4.0759	2.4277	-0.0023	6.5013	0.3471	-0.0321	0.0039	0.3188
38	10.5	9.34	4.0755	2.4275	-0.0023	6.5007	0.3504	-0.0348	0.0059	0.3215
39	9.79	9.35	4.0748	2.4273	-0.0021	6.5	0.3581	-0.035	0.0046	0.3277
40	9.55	9.36	4.0743	2.4274	-0.0022	6.4995	0.3606	-0.0387	0.0005	0.3225
41	9.04	9.32	4.0741	2.4272	-0.0022	6.4991	0.3644	-0.0424	-0.0004	0.3215
42	9.03	9.28	4.0737	2.4267	-0.0023	6.4981	0.3645	-0.0432	0.0002	0.3216
43	8.71	9.22	4.0733	2.4268	-0.0023	6.4977	0.3519	-0.0417	0.0029	0.3131
44	8.32	9.14	4.0727	2.4272	-0.0022	6.4976	0.332	-0.0371	0.0037	0.2986
45	8.66	9.07	4.0723	2.4276	-0.0022	6.4977	0.3228	-0.0346	0.001	0.2892
46	8.45	9.01	4.0717	2.4279	-0.0021	6.4975	0.3226	-0.0323	0.0011	0.2914
47	8.62	8.97	4.0713	2.4282	-0.0021	6.4974	0.3283	-0.0306	0.0012	0.2989
48	8.57	8.91	4.071	2.4285	-0.0023	6.4972	0.34	-0.0333	0.0012	0.308
49	8.61	8.89	4.0705	2.4286	-0.0023	6.4968	0.3511	-0.0314	0.0002	0.3199
50	8.29	8.91	4.0702	2.4287	-0.0023	6.4966	0.3534	-0.0239	0.0002	0.3296
51	8.75	8.92	4.0704	2.4285	-0.0023	6.4965	0.3665	-0.0268	0.001	0.3407
52	8.87	8.95	4.0703	2.4283	-0.0023	6.4964	0.3769	-0.0263	0.0004	0.351
53	8.75	8.98	4.0702	2.4281	-0.0023	6.496	0.3876	-0.0196	0.0024	0.3704
54	9.01	9.06	4.0695	2.428	-0.0024	6.495	0.3942	-0.0178	0.0046	0.381
55	9.23	9.13	4.0692	2.4279	-0.0024	6.4947	0.3963	-0.0159	0.0066	0.3871
56	9.59	9.21	4.0689	2.4278	-0.0023	6.4944	0.3983	-0.0163	0.0065	0.3885
57	9.42	9.28	4.0692	2.4275	-0.0022	6.4945	0.4007	-0.0123	0.007	0.3954
58	9.4	9.38	4.0692	2.4274	-0.0023	6.4943	0.404	-0.0058	0.0086	0.4068
59	9.9	9.47	4.0694	2.4271	-0.0021	6.4944	0.4106	-0.0011	0.0081	0.4176
60	9.27	9.57	4.0691	2.4267	-0.002	6.4938	0.4125	0.0014	0.007	0.421
61	9.58	9.65	4.0688	2.4272	-0.0019	6.4941	0.4146	-0.0012	0.0051	0.4184
62	9.42	9.7	4.0689	2.4275	-0.002	6.4943	0.4191	-0.0016	0.0052	0.4227
63	9.82	9.78	4.0685	2.4279	-0.0019	6.4945	0.4306	-0.0016	0.0052	0.4341
64	9.92	9.85	4.0679	2.4284	-0.002	6.4943	0.4421	-0.0046	0.0053	0.4428
65	9.94	9.89	4.0676	2.4283	-0.0018	6.4941	0.4487	-0.0111	0.0073	0.4449

66	10.1	9.9	4.0675	2.4283	-0.0017	6.4941	0.4537	-0.0128	0.0099	0.4508
67	10.4	9.94	4.0674	2.4288	-0.0016	6.4946	0.4548	-0.0132	0.0123	0.454
68	10.4	9.98	4.0672	2.4291	-0.0015	6.4947	0.4646	-0.0088	0.0139	0.4697
69	10.2	9.99	4.0668	2.429	-0.0016	6.4943	0.4709	-0.0083	0.0137	0.4763
70	10.2	10	4.0661	2.429	-0.0018	6.4934	0.4681	-0.0099	0.0112	0.4694
71	9.93	10.1	4.0661	2.4287	-0.0018	6.4929	0.4697	0	0.0108	0.4805
72	10.2	10.1	4.0656	2.4284	-0.0018	6.4923	0.4756	0.0141	0.0154	0.5051
73	10.3	10.2	4.0657	2.4286	-0.0019	6.4924	0.4734	0.0205	0.0179	0.5118
74	9.99	10.2	4.0658	2.4285	-0.0019	6.4925	0.4752	0.026	0.0159	0.5172
75	9.88	10.3	4.0652	2.4286	-0.0016	6.4922	0.4818	0.0288	0.014	0.5246
76	10.2	10.3	4.0645	2.4289	-0.0017	6.4918	0.4848	0.0294	0.0127	0.5269
77	10.1	10.3	4.0641	2.4292	-0.0016	6.4916	0.4849	0.0368	0.0103	0.532
78	10.1	10.4	4.0636	2.4291	-0.0017	6.4911	0.4926	0.038	0.0088	0.5393
79	10	10.4	4.0632	2.4295	-0.0017	6.4909	0.502	0.0365	0.0101	0.5486
80	10.3	10.4	4.0622	2.4299	-0.0016	6.4905	0.5088	0.0354	0.0121	0.5563
81	10.4	10.4	4.0614	2.4301	-0.0017	6.4898	0.5078	0.0344	0.0128	0.555
82	10.6	10.4	4.0608	2.4305	-0.0018	6.4895	0.518	0.0352	0.0134	0.5665
83	10.9	10.4	4.0601	2.431	-0.002	6.4891	0.5255	0.0352	0.0125	0.5732
84	11.3	10.4	4.0593	2.4309	-0.0019	6.4883	0.5305	0.0317	0.0096	0.5718
85	10.9	10.4	4.0583	2.4311	-0.0017	6.4877	0.5389	0.0292	0.0052	0.5733
86	10.7	10.5	4.0576	2.4312	-0.0018	6.4871	0.5248	0.0184	0.0063	0.5495
87	10.5	10.6	4.057	2.4315	-0.002	6.4865	0.5348	0.014	0.0101	0.559
88	10.3	10.6	4.056	2.4316	-0.0019	6.4856	0.5459	0.0134	0.0107	0.57
89	10.3	10.7	4.0554	2.4319	-0.0015	6.4858	0.5534	0.0127	0.0137	0.5799
90	10.3	10.7	4.0547	2.4323	-0.0014	6.4855	0.5503	0.0075	0.0165	0.5742
91	9.97	10.8	4.0543	2.4324	-0.0015	6.4852	0.5498	0.0046	0.0158	0.5702
92	9.99	10.8	4.0551	2.4323	-0.0017	6.4857	0.5533	0.0007	0.0131	0.5671
93	10.6	10.8	4.0566	2.4319	-0.0018	6.4867	0.5579	-0.0071	0.0125	0.5633
94	11	10.8	4.0572	2.4317	-0.0016	6.4873	0.5565	-0.0083	0.0142	0.5624
95	11.1	10.8	4.0569	2.4315	-0.0016	6.4868	0.5544	-0.001	0.0163	0.5698
96	11.2	10.8	4.056	2.4314	-0.0016	6.4858	0.5463	0.0041	0.0154	0.5658
97	10.8	10.9	4.0545	2.4317	-0.0016	6.4846	0.5356	0.0005	0.0088	0.5448
98	11.2	10.9	4.0531	2.4315	-0.0015	6.4831	0.5303	-0.0031	0.0003	0.5275
99	11.2	10.9	4.0525	2.4308	-0.0015	6.4818	0.5272	-0.0079	-0.004	0.5154
100	11.4	11	4.051	2.431	-0.0015	6.4805	0.5263	0.0005	-0.0041	0.5226
101	11.3	11.1	4.0497	2.4307	-0.0015	6.4789	0.5291	0.0044	-0.0059	0.5275
102	11.1	11.2	4.0481	2.4302	-0.0016	6.4767	0.5406	-0.0005	-0.0103	0.5298

103	11.2	11.2	4.047	2.43	-0.0018	6.4751	0.55	-0.0087	-0.0107	0.5307
104	11.2	11.2	4.0463	2.4297	-0.0019	6.4741	0.5609	-0.0185	-0.0103	0.532
105	11.2	11.2	4.0456	2.4301	-0.0019	6.4738	0.5655	-0.0215	-0.0115	0.5325
106	11	11.2	4.045	2.4302	-0.0019	6.4732	0.5737	-0.0243	-0.0114	0.5379
107	11	11.3	4.0443	2.4299	-0.0021	6.4722	0.5822	-0.0307	-0.0097	0.5418
108	11	11.3	4.0434	2.4299	-0.002	6.4713	0.5975	-0.0384	-0.0089	0.5502
109	11.3	11.3	4.0429	2.43	-0.0019	6.471	0.6079	-0.0426	-0.0091	0.5562
110	11.6	11.3	4.0424	2.4305	-0.0017	6.4712	0.6174	-0.0482	-0.0071	0.5621
111	11.4	11.3	4.0418	2.4305	-0.0018	6.4704	0.6255	-0.0529	-0.0051	0.5674
112	11.3	11.4	4.0402	2.4301	-0.0019	6.4685	0.6364	-0.0478	-0.0041	0.5845
113	11.3	11.4	4.0392	2.4298	-0.002	6.4669	0.6455	-0.0444	-0.0068	0.5943
114	11.3	11.5	4.0384	2.4296	-0.0022	6.4658	0.6495	-0.0359	-0.0072	0.6064
115	11.2	11.6	4.0379	2.4295	-0.0023	6.4652	0.6498	-0.0285	-0.0086	0.6127
116	11.3	11.6	4.0375	2.4294	-0.0023	6.4646	0.6552	-0.0314	-0.0091	0.6147
117	11.3	11.7	4.0365	2.4287	-0.0023	6.4628	0.6693	-0.0329	-0.0089	0.6274
118	11.5	11.8	4.0358	2.4282	-0.0024	6.4616	0.6726	-0.0308	-0.0093	0.6326
119	11.7	11.8	4.0354	2.4281	-0.0023	6.4612	0.6774	-0.0267	-0.0067	0.6439
120	12.1	11.9	4.0347	2.4275	-0.0023	6.46	0.6777	-0.0267	-0.0045	0.6465
121	11.9	11.9	4.0337	2.4268	-0.0027	6.4578	0.6699	-0.0246	-0.0064	0.6389
122	12	12	4.0333	2.4267	-0.0028	6.4572	0.6789	-0.0258	-0.0053	0.6478
123	12.6	12	4.0331	2.4266	-0.0025	6.4572	0.6894	-0.0305	-0.0041	0.6548
124	12.9	12.1	4.0325	2.4264	-0.0024	6.4565	0.6994	-0.0318	-0.005	0.6626
125	12.2	12.2	4.0318	2.4265	-0.0025	6.4558	0.7014	-0.0358	-0.0047	0.6609
126	12	12.2	4.0314	2.4261	-0.0025	6.4551	0.6856	-0.0355	-0.0012	0.6489
127	12.3	12.3	4.0303	2.4261	-0.0025	6.4539	0.6788	-0.0305	-0.0018	0.6464
128	12.4	12.3	4.029	2.4261	-0.0027	6.4523	0.673	-0.0277	-0.002	0.6434
129	12.3	12.3	4.0282	2.4261	-0.003	6.4513	0.6784	-0.0248	-0.0035	0.6501
130	12.4	12.3	4.028	2.4263	-0.003	6.4512	0.6902	-0.0193	-0.0046	0.6664
131	12.3	12.3	4.0266	2.4262	-0.003	6.4497	0.7008	-0.0158	-0.0023	0.6827
132	12.6	12.3	4.0256	2.4259	-0.003	6.4485	0.7168	-0.0153	-0.0016	0.6999
133	12.4	12.3	4.0248	2.4261	-0.0029	6.448	0.7261	-0.0148	-0.0015	0.7099
134	12.6	12.3	4.0236	2.4262	-0.0025	6.4473	0.7208	-0.0109	-0.0049	0.705
135	12.8	12.3	4.0246	2.4266	-0.0026	6.4486	0.7109	-0.0103	-0.0044	0.6961
136	12.4	12.3	4.0231	2.4265	-0.0032	6.4464	0.6996	-0.0073	-0.002	0.6903
137	12.3	12.4	4.0214	2.4263	-0.0034	6.4443	0.7038	-0.0034	-0.0032	0.6971
138	12	12.4	4.0201	2.4262	-0.0036	6.4427	0.7026	0.0016	-0.0042	0.7001
139	12.1	12.5	4.0197	2.4266	-0.0038	6.4425	0.6995	0.0017	-0.002	0.6991

140	12.1	12.5	4.0193	2.4269	-0.0038	6.4425	0.6985	0.007	0.0045	0.71
141	11.8	12.6	4.0188	2.4271	-0.0036	6.4424	0.7186	0.007	0.0065	0.7321
142	12.1	12.7	4.0179	2.4274	-0.0036	6.4418	0.7571	0.0037	0.0079	0.7686
143	12.4	12.8	4.0176	2.4276	-0.0037	6.4415	0.7991	-0.0035	0.0034	0.799
144	12.8	12.8	4.0173	2.4272	-0.0039	6.4407	0.8551	-0.0118	0.0021	0.8454
145	12.7	12.8	4.0177	2.4272	-0.0037	6.4411	0.8869	-0.0137	0.0057	0.8789
146	13	12.9	4.0182	2.4278	-0.003	6.443	0.9088	-0.0163	0.0038	0.8963
147	13.5	12.9	4.0183	2.4285	-0.0021	6.4446	0.9152	-0.018	0.0022	0.8993
148	12.8	12.9	4.0183	2.4293	-0.0019	6.4457	0.9233	-0.0115	0.002	0.9137
149	13.8	12.9	4.0179	2.4286	-0.0019	6.4445	0.9371	-0.0071	0.0046	0.9346
150	14	13	4.0173	2.4282	-0.0017	6.4438	0.9571	-0.0123	0.0063	0.951
151	13.9	13	4.0163	2.4285	-0.0013	6.4435	0.96	-0.0119	0.0112	0.9593
152	13.6	12.9	4.0153	2.4292	-0.0012	6.4433	0.9619	-0.0099	0.0111	0.9631
153	13.2	12.9	4.0141	2.4299	-0.0012	6.4428	0.9681	-0.0077	0.0062	0.9666
154	13.3	12.9	4.0129	2.4302	-0.0013	6.4418	0.9788	-0.015	0.0049	0.9688
155	13.2	12.9	4.0118	2.4304	-0.0013	6.4409	0.9959	-0.0217	0.003	0.9772
156	12.8	12.9	4.0107	2.4308	-0.0014	6.4402	1.001	-0.0203	0.0009	0.9816
157	12.6	12.9	4.0095	2.4314	-0.0013	6.4395	0.9875	-0.0177	0.0001	0.9699
158	12.3	12.9	4.0084	2.4317	-0.0014	6.4387	0.9864	-0.022	-0.0004	0.964
159	12.5	12.9	4.0076	2.4319	-0.0014	6.4382	1.0092	-0.0234	0.0012	0.9869
160	11.8	12.9	4.0065	2.432	-0.0015	6.4371	1.0307	-0.021	0.0023	1.0119
161	11.4	12.9	4.0052	2.432	-0.0015	6.4357	1.047	-0.0192	0.0017	1.0295
162	12.3	13	4.0043	2.4319	-0.0013	6.4349	1.0622	-0.0263	-0.0011	1.0348
163	12.8	13.2	4.0035	2.4315	-0.0012	6.4338	1.0707	-0.0343	-0.0017	1.0347
164	12.8	13.3	4.0029	2.4312	-0.0011	6.433	1.0773	-0.0406	-0.0035	1.0332
165	13.1	13.5	4.0021	2.4315	-0.0009	6.4326	1.0853	-0.0427	-0.0077	1.0348
166	13.2	13.7	4.0006	2.4316	-0.0008	6.4314	1.0985	-0.0433	-0.0096	1.0457
167	12.8	13.9	4.0002	2.4319	-0.0007	6.4313	1.1084	-0.0435	-0.0108	1.0541
168	13.5	14.2	3.9995	2.4317	-0.0009	6.4303	1.1111	-0.0494	-0.0106	1.0512
169	13.8	14.4	3.9991	2.4317	-0.0011	6.4296	1.1104	-0.0499	-0.0103	1.0502
170	14.6	14.7	3.9992	2.4315	-0.0011	6.4295	1.1181	-0.0504	-0.0089	1.0588
171	15.5	15	3.9982	2.4312	-0.0013	6.4282	1.1124	-0.0545	-0.0077	1.0502
172	15.5	15.2	3.9967	2.4315	-0.0014	6.4268	1.1019	-0.0574	-0.0105	1.0339
173	16.9	15.4	3.9958	2.4318	-0.0014	6.4261	1.0933	-0.053	-0.012	1.0283
174	16.4	15.6	3.9957	2.4321	-0.0014	6.4264	1.1024	-0.0508	-0.0093	1.0424
175	17	15.8	3.9966	2.4322	-0.0015	6.4273	1.1125	-0.0521	-0.0091	1.0512
176	16.6	16	3.9966	2.432	-0.0015	6.4271	1.1203	-0.0519	-0.0096	1.0588

177	16.7	16.2	3.9968	2.4319	-0.0014	6.4273	1.1317	-0.0556	-0.0097	1.0664
178	17.7	16.4	3.9958	2.4316	-0.0014	6.426	1.1428	-0.0568	-0.0111	1.0749
179	16.8	16.5	3.9941	2.4314	-0.0012	6.4243	1.1592	-0.0579	-0.0146	1.0867
180	16.3	16.6	3.9921	2.4314	-0.0014	6.4222	1.1668	-0.0591	-0.0169	1.0908
181	16.7	16.6	3.9898	2.4317	-0.0016	6.4198	1.1861	-0.0574	-0.0153	1.1134
182	16.5	16.7	3.9882	2.432	-0.0017	6.4186	1.2028	-0.0601	-0.0129	1.1299
183	16.7	16.7	3.988	2.432	-0.0015	6.4186	1.2487	-0.0662	-0.0104	1.1721
184	17	16.8	3.9882	2.4319	-0.0015	6.4187	1.2828	-0.0663	-0.0082	1.2084
185	16.9	16.8	3.9883	2.4318	-0.0015	6.4187	1.3191	-0.0662	-0.0031	1.2498
186	16.8	16.8	3.9873	2.4316	-0.0015	6.4173	1.3771	-0.0638	-0.0033	1.31
187	16.7	16.8	3.9867	2.4313	-0.0016	6.4165	1.3816	-0.063	-0.0093	1.3093
188	16	16.8	3.986	2.4314	-0.0017	6.4157	1.3975	-0.0652	-0.0117	1.3206
189	16	16.8	3.9855	2.4312	-0.002	6.4148	1.4116	-0.0711	-0.0146	1.3258
190	16.5	16.8	3.9828	2.4316	-0.0021	6.4123	1.4237	-0.0664	-0.0155	1.3418
191	17	16.9	3.9786	2.432	-0.0023	6.4083	1.4342	-0.0597	-0.0133	1.3612
192	17.6	16.9	3.9752	2.4327	-0.0021	6.4058	1.4477	-0.0544	-0.01	1.3833
193	17.5	16.9	3.9711	2.4331	-0.002	6.4022	1.4552	-0.0468	-0.0089	1.3994
194	17.3	16.9	3.9685	2.4331	-0.0021	6.3994	1.4846	-0.0403	-0.0082	1.4362
195	16.7	16.9	3.966	2.4332	-0.002	6.3972	1.5072	-0.044	-0.0102	1.4529
196	16.9	16.9	3.9645	2.4332	-0.0018	6.3959	1.5411	-0.0403	-0.0086	1.4922
197	17	16.9	3.9622	2.4328	-0.0018	6.3932	1.5779	-0.0301	-0.0019	1.546
198	16.8	17	3.9594	2.4323	-0.002	6.3897	1.6213	-0.0262	0.0057	1.6009
199	17	17.1	3.9568	2.4321	-0.0021	6.3867	1.6361	-0.0141	0.0079	1.6299
200	17.3	17.1	3.955	2.4322	-0.0026	6.3846	1.6691	-0.0194	0.006	1.6557
201	16.9	17.1	3.9535	2.4317	-0.0026	6.3826	1.689	-0.0214	0.0069	1.6745
202	17	17.1	3.9513	2.431	-0.0023	6.3801	1.7089	-0.0127	0.011	1.7072
203	17.3	17.1	3.9491	2.4314	-0.0023	6.3782	1.7298	-0.0069	0.0104	1.7333
204	17.2	17.1	3.9467	2.4319	-0.0022	6.3764	1.7438	-0.0009	0.0086	1.7515
205	17.1	17.2	3.9455	2.4321	-0.002	6.3756	1.7566	0.0015	0.0089	1.767
206	16.6	17.3	3.9462	2.4319	-0.0019	6.3762	1.7714	0.0052	0.011	1.7876
207	17.8	17.4	3.9457	2.4321	-0.002	6.3758	1.7888	0.013	0.0103	1.8122
208	17.3	17.5	3.9425	2.4322	-0.0021	6.3726	1.8091	0.0244	0.0103	1.8438
209	17.2	17.6	3.9398	2.4321	-0.0021	6.3698	1.8324	0.0368	0.0103	1.8794
210	17.3	17.6	3.9377	2.4324	-0.0019	6.3682	1.852	0.0493	0.0108	1.912
211	17.3	17.7	3.9356	2.4331	-0.0017	6.367	1.8698	0.0537	0.0093	1.9328
212	17.4	17.8	3.9332	2.4336	-0.0018	6.365	1.8984	0.0522	0.0053	1.9559
213	17.7	18	3.9314	2.4339	-0.0017	6.3636	1.9229	0.058	0.004	1.9849

214	18.3	18.2	3.9299	2.4338	-0.0014	6.3623	1.9462	0.0556	0.0059	2.0077
215	18.1	18.5	3.928	2.4339	-0.0013	6.3606	1.9765	0.0454	0.0061	2.0281
216	19.1	18.8	3.9266	2.4337	-0.0012	6.3592	2.0133	0.0438	0.0087	2.0658
217	18.6	19	3.9254	2.4336	-0.0013	6.3577	2.0353	0.0424	0.0083	2.086
218	18.8	19.3	3.9247	2.4332	-0.0014	6.3566	2.0694	0.0388	0.0087	2.1168
219	17.9	19.6	3.9236	2.4331	-0.0014	6.3553	2.0917	0.0359	0.0094	2.1369
220	18.9	19.8	3.9235	2.433	-0.0015	6.355	2.1183	0.0344	0.0095	2.1622
221	19.5	20.2	3.9235	2.4325	-0.0016	6.3544	2.1688	0.0279	0.0114	2.2081
222	20.3	20.5	3.924	2.432	-0.0016	6.3544	2.1987	0.0178	0.0096	2.2261
223	21.3	20.9	3.9228	2.4317	-0.0016	6.3529	2.2027	0.0168	0.0066	2.2261
224	21.4	21.2	3.9212	2.4316	-0.0015	6.3514	2.2042	0.0206	0.0094	2.2342
225	22.4	21.6	3.9198	2.4317	-0.0015	6.3499	2.2441	0.023	0.0055	2.2725
226	22.5	21.9	3.9183	2.4317	-0.0015	6.3485	2.2837	0.0239	0.0011	2.3088
227	22.2	22.2	3.916	2.4318	-0.0014	6.3464	2.307	0.0211	0.0022	2.3303
228	22.7	22.5	3.9131	2.4319	-0.0013	6.3437	2.3508	0.0232	0.0049	2.3789
229	22.9	22.8	3.9115	2.432	-0.0013	6.3422	2.4091	0.017	0.0049	2.431
230	23.4	23.1	3.9094	2.432	-0.0014	6.3399	2.4346	0.0089	0.0074	2.4509
231	24.4	23.3	3.9063	2.4322	-0.0018	6.3368	2.4442	0.0057	0.0046	2.4545
232	24.5	23.6	3.9007	2.4326	-0.002	6.3313	2.4505	0.0056	0.0011	2.4572
233	25	23.8	3.8965	2.4327	-0.0021	6.3271	2.4903	0.0065	0.001	2.4978
234	24.5	24	3.8917	2.4328	-0.0022	6.3223	2.5514	0.0048	0.0037	2.5598
235	24.9	24.2	3.8869	2.433	-0.0023	6.3176	2.6225	0.0011	0.005	2.6287
236	24.6	24.4	3.8849	2.4328	-0.0023	6.3154	2.689	0.0027	0.0043	2.6961
237	24.2	24.7	3.8816	2.4329	-0.0022	6.3123	2.7468	0.0041	0.004	2.7548
238	23.9	24.9	3.879	2.4333	-0.0022	6.3101	2.7918	0.0041	0.004	2.7999
239	24.2	25.1	3.8774	2.4332	-0.0022	6.3084	2.85	0.0076	0.0077	2.8652
240	24.4	25.3	3.8759	2.4329	-0.0024	6.3064	2.9261	0.0129	0.0091	2.9481
241	24.9	25.5	3.874	2.4325	-0.0026	6.304	2.9397	0.0194	0.007	2.9661
242	25.2	25.6	3.8724	2.4321	-0.0027	6.3018	2.9662	0.0313	0.0043	3.0018
243	25.8	25.7	3.8692	2.4316	-0.0029	6.2979	2.9997	0.037	0.0071	3.0438
244	26.6	25.8	3.8666	2.4317	-0.0028	6.2954	3.0217	0.0454	0.0076	3.0747
245	26.4	25.9	3.8635	2.4312	-0.0029	6.2919	3.0575	0.0533	0.0065	3.1173
246	27.2	26.1	3.8604	2.4308	-0.0028	6.2884	3.0962	0.059	0.0087	3.1639
247	26.2	26.4	3.8562	2.4311	-0.0027	6.2846	3.147	0.0608	0.0104	3.2182
248	26.7	26.6	3.8547	2.4307	-0.0027	6.2827	3.1801	0.0571	0.0095	3.2467
249	27	26.8	3.8509	2.4305	-0.0025	6.279	3.2185	0.0548	0.0068	3.2801
250	27.4	27	3.8484	2.4304	-0.0024	6.2764	3.2557	0.0549	0.006	3.3166

251	27.1	27.3	3.8454	2.4298	-0.0024	6.2728	3.2847	0.0546	0.0018	3.3412
252	26.7	27.4	3.8423	2.4299	-0.0022	6.27	3.3248	0.0517	0.0023	3.3788
253	26.8	27.7	3.8397	2.43	-0.0021	6.2676	3.3583	0.0476	0.0072	3.4131
254	27.6	27.9	3.8372	2.43	-0.0022	6.2651	3.3928	0.0589	0.0071	3.4587
255	28.4	28.1	3.8347	2.4299	-0.0024	6.2621	3.437	0.0581	0.009	3.504
256	28.4	28.2	3.8318	2.4295	-0.0024	6.259	3.4842	0.0645	0.0131	3.5618
257	28.2	28.5	3.8285	2.4289	-0.0024	6.2551	3.5626	0.0719	0.015	3.6495
258	28.4	28.8	3.8252	2.428	-0.0024	6.2508	3.6061	0.0796	0.0146	3.7003
259	28.9	29.1	3.8225	2.427	-0.0025	6.247	3.6376	0.0868	0.0127	3.7371
260	28.9	29.5	3.8196	2.4266	-0.0024	6.2438	3.6853	0.09	0.0124	3.7876
261	28.6	29.9	3.8153	2.4268	-0.002	6.2401	3.7344	0.0952	0.0157	3.8453
262	30	30.3	3.812	2.4261	-0.0017	6.2364	3.7769	0.1023	0.0213	3.9005
263	30.5	30.7	3.8089	2.4259	-0.0018	6.233	3.8081	0.1102	0.023	3.9412
264	30.3	31.2	3.8053	2.4267	-0.0017	6.2302	3.8641	0.1156	0.0248	4.0044
265	29.6	31.8	3.8007	2.4271	-0.0018	6.226	3.9103	0.1173	0.0292	4.0568
266	32.1	32.5	3.7971	2.4273	-0.0016	6.2228	3.9569	0.1245	0.031	4.1124
267	31.7	33.1	3.7932	2.428	-0.0016	6.2196	4.0097	0.1278	0.0318	4.1693
268	33.2	33.9	3.7903	2.4281	-0.0018	6.2166	4.0684	0.1246	0.0311	4.2241
269	34.3	34.7	3.7872	2.4283	-0.0021	6.2134	4.1165	0.1203	0.0282	4.265
270	34.8	35.6	3.7823	2.4287	-0.0023	6.2087	4.1639	0.118	0.028	4.3099
271	34.8	36.6	3.7783	2.4295	-0.0022	6.2056	4.2328	0.1197	0.0249	4.3774
272	35.1	37.4	3.7764	2.4298	-0.002	6.2042	4.2974	0.1144	0.0243	4.4361
273	37.4	38.2	3.7753	2.4297	-0.0023	6.2027	4.3539	0.1066	0.0257	4.4862
274	39.9	39.1	3.7713	2.4298	-0.0019	6.1991	4.4145	0.1067	0.025	4.5462
275	40.3	40.1	3.7682	2.4298	-0.0016	6.1964	4.4627	0.1055	0.0246	4.5928
276	40.4	41	3.7659	2.4299	-0.0017	6.1941	4.5082	0.1089	0.0249	4.642
277	43.4	41.9	3.7617	2.4296	-0.0019	6.1894	4.5667	0.111	0.027	4.7047
278	44.3	42.8	3.7549	2.4299	-0.0018	6.1829	4.616	0.1108	0.0256	4.7524
279	46.5	43.7	3.7507	2.4305	-0.002	6.1792	4.6566	0.1126	0.0278	4.797
280	46	44.6	3.7477	2.4309	-0.0018	6.1767	4.7167	0.1132	0.0315	4.8614
281	46	45.5	3.7447	2.4311	-0.0017	6.1741	4.769	0.1114	0.036	4.9164
282	46	46.5	3.7392	2.4313	-0.0017	6.1688	4.8095	0.1127	0.0353	4.9575
283	47.3	47.5	3.7329	2.4316	-0.0019	6.1626	4.8274	0.1128	0.0322	4.9725
284	48.2	48.3	3.726	2.4318	-0.002	6.1559	4.8432	0.1098	0.0269	4.98
285	49	49.1	3.7194	2.4316	-0.0019	6.1491	4.8744	0.1035	0.0226	5.0005
286	49.9	49.8	3.7126	2.4312	-0.0019	6.1419	4.9035	0.0976	0.0162	5.0173
287	49.3	50.6	3.7076	2.4309	-0.002	6.1365	4.9673	0.0954	0.0112	5.0739

288	50.8	51.1	3.701	2.4306	-0.0025	6.1292	4.978	0.0985	0.0123	5.0887
289	52	51.5	3.6929	2.4299	-0.0029	6.12	5.0153	0.104	0.0137	5.133
290	53.5	52	3.6888	2.4297	-0.0028	6.1157	5.0564	0.108	0.013	5.1774
291	54.1	52.5	3.682	2.4289	-0.0027	6.1082	5.1057	0.1105	0.0086	5.2248
292	54.8	53.1	3.6752	2.429	-0.0028	6.1014	5.1586	0.1056	0.007	5.2713
293	55.8	53.6	3.669	2.4286	-0.0028	6.0947	5.2128	0.1015	0.0064	5.3207
294	55.2	54.2	3.6627	2.4278	-0.0028	6.0877	5.2495	0.0983	0.0046	5.3524
295	54.9	54.7	3.6564	2.4273	-0.0028	6.0808	5.2872	0.0954	0.0055	5.3881
296	57.1	55.4	3.6498	2.4271	-0.0029	6.074	5.3353	0.0918	0.006	5.4331
297	55.4	56.1	3.6442	2.4271	-0.0027	6.0686	5.374	0.0883	0.0078	5.4702
298	52.9	56.7	3.6375	2.4268	-0.0026	6.0617	5.4155	0.0849	0.0059	5.5063
299	55.2	57.5	3.6312	2.4266	-0.0027	6.0551	5.4735	0.0772	0.0031	5.5538
300	55.7	58.4	3.6266	2.4267	-0.0028	6.0505	5.5289	0.0787	0.006	5.6136
301	57.9	59.3	3.621	2.4266	-0.0029	6.0447	5.5698	0.0751	0.0122	5.6571
302	57.5	60.2	3.6155	2.4262	-0.003	6.0388	5.6103	0.0693	0.0138	5.6934
303	58.7	61.1	3.6098	2.4256	-0.003	6.0324	5.6443	0.0774	0.017	5.7387
304	58.7	62.1	3.603	2.4261	-0.0031	6.026	5.6979	0.0824	0.0182	5.7985
305	63	62.9	3.5971	2.4256	-0.0033	6.0195	5.7461	0.0811	0.0176	5.8447
306	62.1	63.6	3.59	2.4247	-0.0034	6.0113	5.8037	0.0764	0.0137	5.8939
307	62.8	64.3	3.5851	2.4242	-0.0035	6.0058	5.8333	0.0643	0.0087	5.9063
308	67.7	65	3.5787	2.4236	-0.0034	5.9989	5.8713	0.0521	0.006	5.9293
309	69.9	65.7	3.5713	2.4231	-0.0034	5.9911	5.9121	0.0365	0.0066	5.9551
310	70.8	66.4	3.5642	2.4229	-0.0034	5.9837	5.9854	0.0242	0.0105	6.0201
311	72.5	67	3.5579	2.4229	-0.0038	5.9769	5.996	0.0186	0.0144	6.0289
312	73.5	67.7	3.5524	2.4225	-0.0041	5.9709	6.0171	0.0154	0.0107	6.0432
313	72.7	68.3	3.545	2.4223	-0.0042	5.9632	6.0668	-0.0025	0.012	6.0764
314	71.8	69.1	3.5389	2.4221	-0.0043	5.9566	6.1099	-0.0116	0.0152	6.1135
315	70.2	69.6	3.5323	2.4214	-0.0044	5.9493	6.147	-0.0051	0.0186	6.1605
316	68.8	70.3	3.5257	2.421	-0.0044	5.9422	6.1651	0.0008	0.0151	6.181
317	66.4	70.9	3.5185	2.4212	-0.0044	5.9353	6.2035	0.0006	0.0152	6.2192
318	66.8	71.2	3.5131	2.4212	-0.0042	5.9301	6.2351	-0.001	0.0148	6.2489
319	69.8	71.5	3.5072	2.4213	-0.0042	5.9243	6.283	-0.0035	0.0137	6.2931
320	69.9	71.8	3.5002	2.421	-0.004	5.9172	6.3338	-0.0055	0.0103	6.3385
321	69.9	72	3.4938	2.4211	-0.004	5.9108	6.3697	-0.0068	0.0084	6.3712
322	71.1	72.2	3.4886	2.4213	-0.0042	5.9058	6.4188	-0.0016	0.0099	6.4271
323	72.7	72.4	3.4814	2.421	-0.0041	5.8983	6.4789	0.0041	0.0146	6.4976
324	73.3	72.7	3.475	2.4211	-0.004	5.8921	6.5452	0.0059	0.0089	6.56

325	75	73	3.4689	2.4208	-0.004	5.8857	6.5704	0.0045	0.0115	6.5865
326	74.1	73.6	3.4616	2.4206	-0.0042	5.878	6.5842	0.004	0.0157	6.6039
327	74.5	74.2	3.4544	2.4207	-0.004	5.8711	6.6189	0.0058	0.0121	6.6368
328	75.6	74.8	3.4474	2.4206	-0.0041	5.864	6.6443	0.0103	0.0081	6.6627
329	75.9	75.5	3.4398	2.4206	-0.0044	5.8561	6.6655	0.0166	0.0075	6.6896
330	76.2	76	3.4324	2.4209	-0.005	5.8483	6.6822	0.0262	0.0051	6.7135
331	77.2	76.5	3.4254	2.4209	-0.0053	5.841	6.7449	0.0352	0.0057	6.7858
332	76.6	76.9	3.418	2.4213	-0.0052	5.8341	6.7709	0.0395	0.007	6.8175
333	77.9	77.1	3.4122	2.4217	-0.0048	5.8291	6.7863	0.0417	0.0069	6.8349
334	76.3	77.3	3.4043	2.4225	-0.0045	5.8223	6.8094	0.0426	0.006	6.858
335	78.8	77.4	3.3966	2.4232	-0.0039	5.8159	6.8195	0.0479	0.006	6.8734
336	79.1	77.6	3.3882	2.4232	-0.0034	5.808	6.8144	0.0452	0.0089	6.8685
337	78	77.8	3.3838	2.423	-0.0034	5.8034	6.8181	0.0442	0.0106	6.8729
338	81.5	78.1	3.3774	2.4229	-0.0035	5.7968	6.8386	0.0478	0.0088	6.8951
339	79.8	78.5	3.3717	2.4224	-0.0035	5.7906	6.8482	0.047	0.0042	6.8994
340	79.8	78.8	3.3653	2.4219	-0.0033	5.7839	6.8366	0.0365	0.0017	6.8748
341	79.1	79.1	3.3582	2.422	-0.0033	5.7769	6.8874	0.0357	0.0046	6.9277
342	75.8	79.5	3.3511	2.4219	-0.0033	5.7698	6.8695	0.0341	0.0059	6.9095
343	77.6	79.8	3.3442	2.4218	-0.0034	5.7626	6.8634	0.0434	0.0067	6.9135
344	76.8	80.3	3.3378	2.4221	-0.0034	5.7566	6.8707	0.0506	0.0079	6.9293
345	77	80.7	3.33	2.422	-0.0035	5.7486	6.8803	0.0437	0.01	6.934
346	79.6	81	3.323	2.422	-0.0036	5.7414	6.9032	0.0391	0.0088	6.9511
347	80.5	81.5	3.3146	2.4226	-0.0033	5.7339	6.8984	0.0453	0.0115	6.9551
348	83.9	81.8	3.3073	2.423	-0.003	5.7273	6.9193	0.0534	0.0124	6.9851
349	81.6	82.3	3.2981	2.4226	-0.0031	5.7176	6.9203	0.0531	0.0119	6.9854
350	82.3	82.9	3.2914	2.4229	-0.0036	5.7107	6.9363	0.0437	0.009	6.989
351	85	83.5	3.2844	2.4229	-0.0038	5.7035	6.9603	0.0426	0.0099	7.0128
352	83.7	84.2	3.2779	2.4221	-0.0039	5.6961	6.9758	0.0423	0.0102	7.0283
353	85.8	85	3.2699	2.4218	-0.0039	5.6878	6.9802	0.0385	0.0064	7.025
354	86.3	85.9	3.2626	2.4219	-0.0039	5.6806	6.9922	0.0331	0.006	7.0313
355	85.3	86.7	3.2543	2.4222	-0.0038	5.6727	6.9962	0.0449	0.006	7.0471
356	86.6	87.2	3.2485	2.4231	-0.0033	5.6683	7.0131	0.0463	0.0052	7.0646
357	88.2	87.8	3.2414	2.4237	-0.003	5.6622	7.0109	0.0411	0.0049	7.057
358	89.7	88.3	3.234	2.4243	-0.0031	5.6553	7.0383	0.039	0.0027	7.0801
359	90.2	88.9	3.2239	2.4246	-0.0035	5.645	7.0465	0.0353	0.0038	7.0856
360	90.1	89.5	3.22	2.4248	-0.0039	5.6409	7.0344	0.0362	0.0043	7.075
361	89.7	90.1	3.2136	2.4252	-0.0031	5.6358	7.0292	0.0368	0.0008	7.0668

362	91.8	90.6	3.2053	2.4264	-0.0029	5.6288	7.0306	0.0423	-0.0043	7.0687
363	95.1	90.9	3.1979	2.4271	-0.0033	5.6217	7.0582	0.0405	-0.0075	7.0912
364	91.4	91.3	3.1906	2.4272	-0.0036	5.6142	7.0527	0.0393	-0.0097	7.0823
365	90.1	91.9	3.1842	2.427	-0.0033	5.6079	7.079	0.0415	-0.0136	7.1069
366	91.3	92.4	3.1767	2.4273	-0.0032	5.6009	7.0666	0.0371	-0.0156	7.0881
367	92.7	92.7	3.1697	2.4281	-0.0031	5.5947	7.0727	0.0326	-0.0153	7.0901
368	93.2	93.1	3.162	2.4285	-0.0032	5.5873	7.0873	0.0376	-0.0199	7.105
369	94.7	93.4	3.1539	2.4288	-0.0031	5.5796	7.1279	0.0357	-0.0188	7.1447
370	95.3	93.6	3.1453	2.4294	-0.0031	5.5716	7.1429	0.0327	-0.0145	7.1611
371	93.8	94	3.1364	2.4296	-0.0032	5.5628	7.1514	0.0326	-0.0088	7.1752
372	91.7	94.3	3.1285	2.4294	-0.0035	5.5544	7.1518	0.0378	-0.0073	7.1823
373	94.5	94.3	3.1208	2.4291	-0.0032	5.5467	7.176	0.0452	-0.0071	7.214
374	95.3	94.3	3.1143	2.4293	-0.0031	5.5405	7.1772	0.0445	0.0014	7.2231
375	96.4	94.2	3.1098	2.4294	-0.0032	5.536	7.1847	0.0459	0.0074	7.2379
376	93.7	94.2	3.104	2.4293	-0.0029	5.5304	7.2028	0.0456	0.0041	7.2526
377	96.8	94.2	3.0972	2.4286	-0.0027	5.5231	7.2099	0.045	-0.0018	7.2531
378	96.8	94.1	3.0883	2.4283	-0.0026	5.514	7.2237	0.0435	-0.0037	7.2635
379	94.8	94.1	3.0825	2.4279	-0.0025	5.5079	7.2468	0.0379	-0.0065	7.2782
380	95.6	93.9	3.0732	2.4273	-0.0024	5.4981	7.285	0.033	-0.0093	7.3087
381	98.4	93.9	3.0676	2.4272	-0.0024	5.4924	7.271	0.0281	-0.0164	7.2827
382	95.2	93.9	3.0605	2.4272	-0.0024	5.4853	7.284	0.0349	-0.0189	7.3
383	90.6	93.8	3.0519	2.4273	-0.0025	5.4768	7.2578	0.0448	-0.0211	7.2815
384	89.3	93.7	3.044	2.427	-0.0026	5.4685	7.3075	0.0481	-0.017	7.3386
385	91.5	93.5	3.038	2.427	-0.0028	5.4622	7.3085	0.0549	-0.0143	7.3491
386	91.9	93.6	3.0308	2.4268	-0.003	5.4546	7.3265	0.0639	-0.0064	7.3839
387	92.3	93.4	3.0237	2.4262	-0.0029	5.447	7.3067	0.065	0.0019	7.3736
388	93.4	93.3	3.0162	2.4259	-0.0029	5.4393	7.3592	0.0687	0.003	7.4308
389	92.2	93.3	3.0093	2.4263	-0.003	5.4325	7.3794	0.072	-0.0002	7.4512
390	94.4	93.2	3.0001	2.4261	-0.0033	5.4229	7.4032	0.0656	-0.0012	7.4676
391	90.2	93.1	2.995	2.4255	-0.0033	5.4172	7.4304	0.0556	0.001	7.487
392	93.5	93.1	2.9889	2.4246	-0.0035	5.41	7.4466	0.0514	0.0021	7.5001
393	92.6	93.5	2.9819	2.4235	-0.0036	5.4018	7.4706	0.0459	0.002	7.5185
394	94.1	93.8	2.9747	2.4234	-0.0038	5.3943	7.4811	0.0454	-0.0003	7.5262
395	95.6	94.1	2.9661	2.4234	-0.0037	5.3857	7.5162	0.0474	-0.0045	7.5592
396	91.4	94.3	2.9599	2.4226	-0.004	5.3785	7.5623	0.0407	-0.0049	7.5981
397	95.1	94.4	2.9523	2.4218	-0.004	5.3701	7.5735	0.032	-0.0029	7.6026
398	94.5	94.6	2.9455	2.4215	-0.0038	5.3631	7.5843	0.0403	0.001	7.6256

399	93.9	94.9	2.9376	2.4222	-0.0036	5.3562	7.5917	0.0475	0.0029	7.642
400	96.5	95.2	2.9305	2.4224	-0.0038	5.3492	7.6093	0.0406	0.0013	7.6512
401	96	95.6	2.9234	2.4223	-0.0039	5.3419	7.6517	0.0356	-0.0037	7.6837
402	97.4	95.8	2.9175	2.4224	-0.0036	5.3363	7.6524	0.0357	-0.0069	7.6812
403	96.4	96.3	2.9106	2.4223	-0.0036	5.3292	7.6819	0.0286	-0.0116	7.6989
404	95.8	96.6	2.9034	2.4216	-0.0037	5.3213	7.6849	0.0229	-0.0174	7.6904
405	96	96.8	2.8958	2.421	-0.0038	5.313	7.6971	0.0168	-0.0194	7.6945
406	95.2	97.4	2.8889	2.4206	-0.0039	5.3056	7.7136	0.0155	-0.0155	7.7135
407	96.4	97.7	2.8812	2.4203	-0.0038	5.2978	7.7481	0.0221	-0.0102	7.7601
408	98	98	2.8741	2.42	-0.0038	5.2903	7.7636	0.0246	-0.0062	7.782
409	100	98.4	2.8679	2.4195	-0.0038	5.2836	7.787	0.0234	-0.0058	7.8046
410	98	98.5	2.8613	2.4192	-0.0035	5.277	7.7994	0.0222	-0.0086	7.813
411	97.5	98.6	2.8548	2.4186	-0.0034	5.27	7.8446	0.0228	-0.007	7.8604
412	101	98.6	2.8465	2.4185	-0.0033	5.2617	7.8707	0.0226	0.002	7.8953
413	100	98.6	2.8398	2.4184	-0.0032	5.255	7.8728	0.0397	0.004	7.9166
414	99.9	98.8	2.831	2.418	-0.003	5.246	7.896	0.0534	0.002	7.9513
415	101	98.9	2.8257	2.4177	-0.0028	5.2405	7.8995	0.0667	-0.0002	7.966
416	102	98.9	2.8184	2.4177	-0.0029	5.2332	7.9377	0.0704	0.0002	8.0082
417	99.8	98.9	2.8098	2.4174	-0.0024	5.2248	7.9445	0.0755	0.0023	8.0223
418	101	98.9	2.8003	2.4176	-0.0023	5.2156	7.9784	0.0892	0.005	8.0726
419	98.9	98.9	2.7929	2.418	-0.0027	5.2082	8.0034	0.0956	0.0034	8.1023
420	97.4	99	2.7851	2.4177	-0.0031	5.1997	8.0064	0.0981	0.0045	8.1089
421	97.8	99.3	2.7786	2.4173	-0.0033	5.1926	8.0142	0.103	0.005	8.1223
422	97.3	99.5	2.771	2.4168	-0.0035	5.1844	8.0212	0.1058	0.0032	8.1302
423	99.3	99.6	2.7637	2.4165	-0.0042	5.176	8.0526	0.1037	0.0007	8.1569
424	97.5	99.7	2.7565	2.4165	-0.0047	5.1683	8.0645	0.102	0.0044	8.1709
425	95.4	99.8	2.7487	2.4162	-0.0044	5.1605	8.0908	0.1067	0.0068	8.2043
426	96.5	99.9	2.7406	2.4161	-0.004	5.1527	8.1277	0.1072	0.0053	8.2402
427	96.6	100	2.7321	2.4163	-0.0036	5.1448	8.1781	0.1035	0.0069	8.2885
428	102	100	2.7227	2.4168	-0.0034	5.1361	8.2301	0.095	0.0063	8.3314
429	99.8	101	2.7113	2.4173	-0.0035	5.1252	8.2203	0.0907	0.0052	8.3161
430	103	101	2.7053	2.4181	-0.0034	5.12	8.263	0.088	0.0082	8.3592
431	105	102	2.697	2.4174	-0.0034	5.111	8.228	0.0873	0.0162	8.3315
432	103	103	2.6922	2.4168	-0.0031	5.1059	8.2607	0.0838	0.0189	8.3633
433	101	103	2.6815	2.4169	-0.0031	5.0953	8.2818	0.085	0.0168	8.3837
434	103	104	2.6735	2.417	-0.003	5.0874	8.3117	0.0875	0.0127	8.4119
435	104	105	2.6639	2.4168	-0.0033	5.0775	8.3513	0.0854	0.0097	8.4464

436	105	106	2.6575	2.4167	-0.0036	5.0707	8.3999	0.0823	0.0111	8.4933
437	104	107	2.6479	2.4161	-0.0037	5.0603	8.4185	0.0762	0.0175	8.5122
438	107	108	2.6395	2.4157	-0.0035	5.0517	8.4644	0.0719	0.0209	8.5572
439	110	109	2.6314	2.4159	-0.0034	5.0439	8.5031	0.0765	0.0213	8.6009
440	109	110	2.6223	2.4163	-0.0034	5.0352	8.528	0.0862	0.0193	8.6336
441	110	111	2.6135	2.4168	-0.0035	5.0269	8.5469	0.0881	0.0171	8.6521
442	111	111	2.6041	2.4174	-0.0035	5.0179	8.5909	0.0844	0.0163	8.6916
443	111	112	2.5961	2.4173	-0.0033	5.01	8.6159	0.0704	0.0179	8.7043
444	113	113	2.5862	2.4174	-0.003	5.0006	8.6236	0.0546	0.0142	8.6925
445	117	114	2.5738	2.418	-0.003	4.9888	8.6421	0.0562	0.007	8.7053
446	118	115	2.5656	2.4188	-0.0033	4.9811	8.6501	0.0531	0.0034	8.7066
447	119	116	2.5562	2.4186	-0.0034	4.9714	8.6768	0.0432	0.0009	8.721
448	120	116	2.5482	2.4182	-0.0033	4.9631	8.6802	0.0439	0.0042	8.7283
449	118	117	2.5371	2.4186	-0.0032	4.9525	8.6904	0.0489	0.0055	8.7448
450	117	118	2.5263	2.4193	-0.0033	4.9423	8.6884	0.0614	0.0045	8.7544
451	119	119	2.5191	2.4193	-0.0031	4.9354	8.7136	0.0754	0.0013	8.7903
452	119	120	2.5097	2.4193	-0.0028	4.9262	8.742	0.0748	0.001	8.8179
453	118	121	2.5014	2.4195	-0.0022	4.9187	8.7606	0.0782	0.0041	8.8429
454	119	122	2.4929	2.4202	-0.002	4.9111	8.7794	0.0803	0.0061	8.8659
455	121	122	2.4829	2.4207	-0.0022	4.9014	8.7971	0.0707	0.0062	8.874
456	121	123	2.4737	2.4209	-0.0022	4.8923	8.8147	0.0563	0.0028	8.8737
457	122	124	2.4651	2.4213	-0.0023	4.884	8.8307	0.0513	-0.0006	8.8814
458	125	124	2.4553	2.422	-0.0025	4.8748	8.8392	0.0504	-0.0029	8.8867
459	125	125	2.444	2.4224	-0.0027	4.8637	8.8595	0.0478	-0.0042	8.9031
460	130	126	2.4355	2.4225	-0.0032	4.8548	8.918	0.0425	-0.004	8.9566
461	126	127	2.4265	2.423	-0.0033	4.8462	8.946	0.0333	0.0003	8.9796
462	129	127	2.418	2.4224	-0.0033	4.8371	8.9806	0.0236	0.0044	9.0086
463	127	128	2.4083	2.4218	-0.0035	4.8266	8.9921	0.0178	0.0094	9.0193
464	132	129	2.4006	2.4205	-0.0036	4.8176	9.0119	0.0139	0.0102	9.0361
465	132	130	2.3904	2.42	-0.0033	4.8071	9.0175	0.0076	0.0103	9.0355
466	134	130	2.3823	2.4197	-0.0034	4.7986	9.0739	0.0125	0.0066	9.093
467	131	131	2.3719	2.4192	-0.0036	4.7875	9.042	0.0464	0.0023	9.0907
468	129	131	2.3617	2.4189	-0.0035	4.7771	9.0285	0.053	0.007	9.0885
469	133	132	2.3532	2.419	-0.0035	4.7687	8.999	0.0808	0.009	9.0888
470	134	132	2.3439	2.4191	-0.0036	4.7593	9.0155	0.0826	0.0068	9.1049
471	133	133	2.3343	2.419	-0.0035	4.7498	9.056	0.069	0.0032	9.1283
472	134	133	2.3233	2.419	-0.0036	4.7387	9.0795	0.0752	-0.0009	9.1537

473	132	133	2.3144	2.4189	-0.0037	4.7296	9.1402	0.0429	-0.0061	9.177
474	131	133	2.3052	2.4187	-0.0038	4.7201	9.1127	0.0369	-0.017	9.1326
475	134	134	2.297	2.4187	-0.0037	4.712	9.1465	0.0343	-0.0225	9.1583
476	134	134	2.2862	2.419	-0.0036	4.7016	9.1976	-0.0021	-0.02	9.1755
477	134	134	2.2742	2.4191	-0.0033	4.69	9.1901	0.0157	-0.0168	9.189
478	134	135	2.2663	2.4192	-0.0031	4.6824	9.1185	0.0824	-0.013	9.188
479	135	135	2.2562	2.4191	-0.0033	4.6719	9.0685	0.1288	-0.0086	9.1887
480	133	136	2.2504	2.4186	-0.004	4.665	9.0809	0.1234	-0.0058	9.1985
481	139	136	2.2415	2.4188	-0.0043	4.656	9.1226	0.1371	-0.0041	9.2557
482	134	137	2.2324	2.4187	-0.0041	4.6469	9.1296	0.1208	-0.0032	9.2472
483	132	138	2.2208	2.4186	-0.0037	4.6356	9.1249	0.1693	0.0017	9.296
484	136	138	2.2089	2.4185	-0.0035	4.6239	9.1353	0.1601	0.0057	9.3011
485	140	139	2.198	2.4188	-0.0039	4.6129	9.1765	0.1274	0.0048	9.3086
486	141	139	2.1889	2.4191	-0.0047	4.6033	9.1103	0.1944	-0.0025	9.3021
487	140	139	2.1773	2.419	-0.005	4.5913	9.1254	0.1943	-0.0078	9.3119
488	141	140	2.1659	2.4183	-0.005	4.5792	9.114	0.1835	-0.0029	9.2946
489	144	140	2.1565	2.4177	-0.005	4.5691	9.1188	0.1909	0.0025	9.3121
490	142	140	2.1454	2.4173	-0.005	4.5577	9.1537	0.1778	0.0014	9.3329
491	146	140	2.1359	2.4171	-0.0049	4.5481	9.2025	0.1197	0.0038	9.326
492	141	140	2.1273	2.4176	-0.0053	4.5396	9.2119	0.1112	0.0044	9.3275
493	140	140	2.1195	2.418	-0.005	4.5325	9.1317	0.1745	0.0009	9.307
494	144	140	2.1105	2.4178	-0.0045	4.5238	9.1036	0.2066	-0.0002	9.3099
495	142	140	2.101	2.418	-0.0041	4.515	9.1007	0.184	0.0011	9.2858
496	143	139	2.0922	2.4183	-0.0041	4.5064	9.0752	0.1723	-0.0005	9.2471
497	147	139	2.0842	2.4174	-0.0044	4.4972	9.1152	0.149	-0.0025	9.2617
498	139	139	2.0764	2.4166	-0.0044	4.4886	9.101	0.1281	-0.0036	9.2256
499	137	138	2.0687	2.4161	-0.0041	4.4807	9.0838	0.1415	-0.0049	9.2204
500	135	138	2.0592	2.4149	-0.0039	4.4702	9.0092	0.1843	-0.0074	9.186
501	134	137	2.0492	2.4149	-0.004	4.4601	8.9249	0.2359	-0.0085	9.1523
502	131	137	2.0414	2.4146	-0.004	4.452	8.954	0.235	-0.0059	9.1832
503	132	137	2.0326	2.4142	-0.0042	4.4426	8.9694	0.1989	0	9.1683
504	133	137	2.0237	2.4145	-0.0043	4.4339	8.953	0.2015	0.0043	9.1589
505	136	136	2.0144	2.4154	-0.0041	4.4256	8.9808	0.1973	0.005	9.183
506	135	136	2.0058	2.4155	-0.0038	4.4174	8.9317	0.2126	0.003	9.1474
507	132	136	1.9973	2.4152	-0.0035	4.4091	8.9101	0.2454	0.0061	9.1616
508	138	136	1.9881	2.4153	-0.0034	4.4	8.9177	0.2555	0.0089	9.1821
509	137	136	1.9761	2.4152	-0.0034	4.3879	8.9164	0.2319	0.0086	9.1569

510	135	137	1.9667	2.4159	-0.0036	4.3791	8.8394	0.2513	-0.0036	9.0943
511	134	138	1.9568	2.4163	-0.0038	4.3692	8.776	0.3026	-0.0048	9.0738
512	137	139	1.9473	2.4167	-0.0042	4.3598	8.6998	0.3651	-0.0097	9.0552
513	139	140	1.9386	2.417	-0.0042	4.3514	8.6514	0.3735	-0.0098	9.0151
514	140	141	1.9292	2.4172	-0.004	4.3424	8.5992	0.3815	-0.0083	8.9724
515	141	142	1.9183	2.4165	-0.0035	4.3312	8.5864	0.3781	-0.0056	8.959
516	140	143	1.9142	2.4131	-0.0031	4.3242	8.5681	0.3508	-0.0009	8.918
517	144	144	1.907	2.4121	-0.0031	4.3159	8.5373	0.3637	-0.0014	8.8996
518	141	145	1.9004	2.4096	-0.0032	4.3067	8.7293	0.153	-0.0063	8.876
519	146	146	1.8914	2.4098	-0.0034	4.2977	8.8357	0.0152	-0.0063	8.8446
520	147	147	1.8795	2.4108	-0.0034	4.2869	8.8257	0.0029	-0.0057	8.8228
521	150	147	1.8707	2.4098	-0.0032	4.2772	8.8465	-0.0544	-0.0036	8.7885
522	153	148	1.857	2.4125	-0.0029	4.2667	8.8337	-0.0867	-0.0007	8.7464
523	154	148	1.8524	2.4129	-0.0025	4.2627	8.7828	-0.0982	0.003	8.6876
524	153	149	1.8419	2.4131	-0.0024	4.2525	8.7565	-0.0997	-0.0016	8.6552
525	153	150	1.8289	2.4165	-0.0024	4.2429	8.7093	-0.1069	-0.0038	8.5985
526	154	150	1.8216	2.4145	-0.0023	4.2338	8.6064	-0.0264	-0.0052	8.5748
527	152	150	1.8202	2.4081	-0.0023	4.226	8.5557	-0.0254	-0.0044	8.5259
528	152	151	1.8159	2.4039	-0.0026	4.2173	8.4466	-0.0107	-0.004	8.4319
529	156	151	1.8032	2.405	-0.0029	4.2053	8.4092	-0.0154	-0.0053	8.3885
530	148	151	1.7931	2.4043	-0.003	4.1944	8.3361	-0.0084	-0.0078	8.3199
531	150	151	1.784	2.4053	-0.0031	4.1863	8.3251	-0.0054	-0.0132	8.3064
532	145	151	1.7797	2.3999	-0.0033	4.1763	8.3081	-0.0127	-0.0151	8.2802
533	152	151	1.7679	2.4009	-0.0037	4.1652	8.2946	-0.0402	-0.0157	8.2387
534	149	151	1.7558	2.4042	-0.0035	4.1565	8.2461	-0.065	-0.0138	8.1673
535	144	150	1.7529	2.3974	-0.003	4.1473	8.1822	-0.0754	-0.0133	8.0935
536	149	150	1.745	2.3973	-0.0028	4.1395	8.1357	-0.0773	-0.0154	8.043
537	152	150	1.7365	2.3978	-0.0034	4.1308	8.1072	-0.0749	-0.0207	8.0116
538	149	150	1.7276	2.3966	-0.0038	4.1205	8.0759	-0.09	-0.0179	7.968
539	153	149	1.716	2.3981	-0.0035	4.1106	8.019	-0.0988	-0.0171	7.9032
540	151	149	1.702	2.4043	-0.0038	4.1026	7.974	-0.1027	-0.0142	7.8571
541	152	149	1.6923	2.4057	-0.0039	4.0941	7.9926	-0.0932	-0.0164	7.8829
542	152	148	1.6909	2.3999	-0.0036	4.0872	8.0915	-0.2169	-0.1408	7.7339
543	150	148	1.6857	2.3966	-0.0033	4.079	8.05	-0.2088	-0.1407	7.7004
544	149	147	1.6761	2.399	-0.0031	4.0721	7.9957	-0.195	-0.1408	7.6599
545	150	147	1.6663	2.4007	-0.0029	4.064	7.9374	-0.1823	-0.1416	7.6135
546	147	147	1.6541	2.4039	-0.0031	4.0549	7.8792	-0.1684	-0.1406	7.5703

547	146	146	1.6461	2.4058	-0.003	4.0488	7.8422	-0.1652	-0.1404	7.5366
548	148	145	1.6398	2.4041	-0.0028	4.0411	7.8192	-0.1752	-0.1429	7.5011
549	145	144	1.6362	2.4001	-0.0025	4.0339	7.7965	-0.1869	-0.1452	7.4644
550	142	143	1.6338	2.3957	-0.0024	4.0271	7.7667	-0.1918	-0.1416	7.4334
551	140	142	1.6237	2.3958	-0.0025	4.017	7.7268	-0.209	-0.1368	7.381
552	140	141	1.6128	2.3994	-0.0028	4.0094	7.6712	-0.2164	-0.1375	7.3173
553	139	140	1.6061	2.3993	-0.0026	4.0028	7.6407	-0.2235	-0.1404	7.2768
554	139	139	1.5948	2.4005	-0.0025	3.9928	7.611	-0.2374	-0.1437	7.2299
555	140	138	1.5898	2.3994	-0.0025	3.9866	7.5817	-0.2405	-0.1431	7.1981
556	139	137	1.5827	2.3963	-0.0028	3.9762	7.5273	-0.2324	-0.1438	7.1511
557	134	136	1.5733	2.3957	-0.0032	3.9658	7.4871	-0.2343	-0.1432	7.1096
558	136	135	1.5636	2.3988	-0.0033	3.9591	7.4395	-0.229	-0.138	7.0725
559	133	134	1.56	2.3972	-0.003	3.9542	7.3493	-0.1981	-0.1348	7.0164
560	135	133	1.5579	2.3922	-0.0027	3.9475	7.2357	-0.162	-0.131	6.9426
561	130	132	1.5566	2.3865	-0.0023	3.9407	7.1842	-0.144	-0.1295	6.9107
562	129	131	1.5529	2.385	-0.0023	3.9356	7.1281	-0.1351	-0.1301	6.8628
563	133	130	1.5484	2.3836	-0.0027	3.9293	7.0838	-0.1281	-0.1308	6.8249
564	131	129	1.542	2.3827	-0.003	3.9217	7.0502	-0.1268	-0.1269	6.7965
565	128	128	1.5336	2.3849	-0.0032	3.9153	6.995	-0.1228	-0.1238	6.7483
566	127	127	1.5286	2.3834	-0.0032	3.9087	6.9272	-0.1296	-0.118	6.6797
567	127	126	1.4989	2.4039	-0.0029	3.8999	6.9261	-0.1631	-0.1134	6.6496
568	125	124	1.4781	2.4174	-0.0029	3.8926	6.8813	-0.1681	-0.1118	6.6015
569	123	123	1.4707	2.4187	-0.003	3.8864	6.8453	-0.1893	-0.1103	6.5457
570	123	122	1.4592	2.4245	-0.0032	3.8805	6.8011	-0.1835	-0.1088	6.5088
571	120	121	1.4509	2.4277	-0.0035	3.8752	6.7249	-0.1697	-0.1114	6.4438
572	120	120	1.445	2.4288	-0.0039	3.87	6.6627	-0.1786	-0.1126	6.3715
573	117	119	1.4387	2.4289	-0.0035	3.8641	6.5544	-0.1494	-0.1119	6.2931
574	118	117	1.4342	2.4294	-0.0034	3.8602	6.5444	-0.1461	-0.1108	6.2875
575	117	116	1.4364	2.4213	-0.0032	3.8545	6.4714	-0.145	-0.1119	6.2145
576	116	115	1.4307	2.4215	-0.0032	3.849	6.3847	-0.1114	-0.111	6.1623
577	112	114	1.4296	2.4202	-0.0029	3.8468	6.3303	-0.1338	-0.1118	6.0847
578	114	113	1.4254	2.4207	-0.0026	3.8435	6.3357	-0.1958	-0.1112	6.0288
579	109	112	1.4225	2.4199	-0.0025	3.84	6.3312	-0.2331	-0.1099	5.9881
580	107	110	1.4179	2.4192	-0.0027	3.8344	6.2393	-0.2192	-0.1112	5.909
581	110	109	1.4107	2.4201	-0.0028	3.828	6.1784	-0.2216	-0.11	5.8467
582	110	109	1.4029	2.4227	-0.0026	3.823	6.1161	-0.2095	-0.1099	5.7966
583	108	108	1.3961	2.4251	-0.0023	3.8189	6.0953	-0.2584	-0.1143	5.7225

584	105	107	1.3907	2.426	-0.0022	3.8145	5.9987	-0.2302	-0.114	5.6544
585	106	106	1.3844	2.4265	-0.0024	3.8086	5.9029	-0.1921	-0.1091	5.6017
586	105	105	1.3782	2.4266	-0.0026	3.8022	5.902	-0.2553	-0.1052	5.5415
587	101	104	1.3697	2.428	-0.0032	3.7945	5.8343	-0.2456	-0.1052	5.4835
588	103	103	1.364	2.4282	-0.0033	3.7888	5.7688	-0.2322	-0.109	5.4275
589	103	102	1.3591	2.4279	-0.0036	3.7834	5.7033	-0.2373	-0.1116	5.3545
590	102	101	1.3462	2.4266	-0.0033	3.7694	5.6099	-0.2242	-0.1099	5.2758
591	102	101	1.3268	2.4387	0.0091	3.7747	5.4885	-0.1616	-0.1123	5.2146
592	102	99.7	1.3223	2.4385	0.0088	3.7696	5.4132	-0.1427	-0.1136	5.1569
593	101	99	1.3199	2.4375	0.0091	3.7665	5.4238	-0.1965	-0.1142	5.113
594	97.6	98.3	1.3167	2.436	0.0097	3.7624	5.389	-0.2211	-0.1146	5.0533
595	96.1	97.6	1.3131	2.4349	0.01	3.758	5.3073	-0.1927	-0.1142	5.0004
596	92.8	96.9	1.308	2.4348	0.01	3.7528	5.2302	-0.1739	-0.1151	4.9412
597	92.9	96.3	1.3023	2.4349	0.0099	3.7471	5.1256	-0.1386	-0.1157	4.8713
598	96	95.6	1.2968	2.4353	0.0101	3.7422	5.0676	-0.114	-0.1154	4.8382
599	94.7	94.8	1.2921	2.4352	0.0101	3.7374	5.021	-0.1388	-0.1129	4.7693
600	94.9	94	1.2865	2.4358	0.0098	3.7321	5.0501	-0.2016	-0.1108	4.7378
601	93.4	93.4	1.2821	2.4365	0.0098	3.7283	5.0413	-0.2395	-0.1099	4.6919
602	94.6	92.6	1.2774	2.4369	0.01	3.7243	4.9812	-0.2299	-0.1076	4.6438
603	91.4	91.8	1.2715	2.438	0.0102	3.7197	4.9335	-0.2226	-0.1063	4.6045
604	91.3	91.2	1.2655	2.4386	0.01	3.7141	4.888	-0.2289	-0.1009	4.5582
605	91.8	90.6	1.2616	2.4386	0.0103	3.7105	4.8113	-0.2303	-0.0996	4.4814
606	88.9	90.1	1.2571	2.4389	0.0105	3.7065	4.7702	-0.2176	-0.1031	4.4495
607	90.8	89.7	1.2534	2.4381	0.0103	3.7018	4.7233	-0.2429	-0.1094	4.3709
608	87	89	1.2532	2.4351	0.0101	3.6984	4.6713	-0.266	-0.1143	4.2911
609	87.5	88.3	1.2525	2.4314	0.0097	3.6936	4.5612	-0.2246	-0.1189	4.2177
610	89.9	87.5	1.2483	2.4303	0.0094	3.688	4.5528	-0.2393	-0.1183	4.1952
611	86.3	86.9	1.244	2.4298	0.0092	3.6829	4.5491	-0.2927	-0.1132	4.1431
612	86.7	86.1	1.239	2.4295	0.0088	3.6773	4.5587	-0.3626	-0.1083	4.0879
613	85.9	85.6	1.2336	2.4297	0.0085	3.6717	4.548	-0.3829	-0.1063	4.0588
614	84.4	84.9	1.2297	2.4295	0.0084	3.6676	4.5188	-0.3948	-0.106	4.018
615	83.8	84.2	1.2255	2.4294	0.0083	3.6633	4.4644	-0.3901	-0.1065	3.9679
616	84.1	83.5	1.2216	2.4294	0.0082	3.6592	4.4031	-0.3672	-0.1113	3.9246
617	83.2	82.6	1.2188	2.4289	0.0081	3.6558	4.38	-0.3851	-0.1107	3.8842
618	81.4	81.9	1.2159	2.4285	0.0078	3.6521	4.1241	-0.1785	-0.1281	3.8176
619	80.4	81.1	1.2113	2.4281	0.0075	3.6468	3.9109	-0.0248	-0.1287	3.7574
620	81.2	80	1.207	2.4278	0.0077	3.6425	4.2363	-0.0044	-0.2789	3.953

621	80.4	79.1	1.2044	2.4276	0.0081	3.6401	6.4591	0.0807	-2.8754	3.6643
622	80.6	78.2	1.2015	2.4275	0.0083	3.6374	6.3931	0.1192	-2.9039	3.6084
623	78.6	77.2	1.198	2.4275	0.0086	3.634	6.3447	0.1322	-2.9144	3.5625
624	78.6	76.5	1.1947	2.4276	0.0087	3.631	6.269	0.1349	-2.9078	3.4961
625	75.9	75.7	1.1904	2.4276	0.0087	3.6267	6.2238	0.1339	-2.8975	3.4602
626	73.8	75	1.1886	2.4279	0.0088	3.6253	6.2482	0.0532	-2.8882	3.4132
627	72.8	74.3	1.1866	2.4277	0.0088	3.6231	6.1992	0.0526	-2.8823	3.3696
628	72.6	73.7	1.1828	2.4272	0.0084	3.6185	6.1967	0.0391	-2.8787	3.3571
629	69.3	73.2	1.1793	2.4269	0.0082	3.6144	6.1581	0.0459	-2.8756	3.3284
630	68.7	72.4	1.1752	2.4265	0.008	3.6098	6.1367	0.0425	-2.8715	3.3076
631	69.2	71.6	1.1724	2.4263	0.0079	3.6066	6.0984	0.037	-2.8682	3.2671
632	68.2	70.9	1.1702	2.4257	0.0082	3.6041	6.0301	0.0476	-2.8681	3.2096
633	69.7	70.2	1.1681	2.4239	0.0077	3.5997	5.9671	0.0793	-2.8636	3.1828
634	68.6	69.4	1.1655	2.4234	0.0074	3.5963	5.9137	0.0993	-2.8567	3.1563
635	71	68.9	1.1627	2.4229	0.0075	3.5931	5.8793	0.1032	-2.854	3.1284
636	71	68.5	1.1616	2.4219	0.0077	3.5911	5.8256	0.1083	-2.8533	3.0807
637	70.4	68	1.1596	2.421	0.0075	3.5881	5.783	0.0997	-2.8507	3.032
638	69.4	67.5	1.1573	2.4203	0.0074	3.585	5.7174	0.1126	-2.8576	2.9724
639	66.9	67	1.155	2.4205	0.0074	3.583	5.6743	0.1084	-2.853	2.9297
640	65.7	66.6	1.1532	2.4205	0.0074	3.5811	5.6495	0.0963	-2.8536	2.8921
641	65.7	66.3	1.151	2.42	0.0075	3.5785	5.543	0.0835	-2.8499	2.7766
642	65.3	65.7	1.1485	2.4196	0.0078	3.5759	5.3661	0.2016	-2.7225	2.8452
643	65.1	64.9	1.1468	2.4187	0.0081	3.5737	5.3534	0.199	-2.7242	2.8281
644	65.8	64.2	1.1454	2.4182	0.0084	3.572	5.3609	0.1844	-2.7128	2.8326
645	64.9	63.3	1.1432	2.4181	0.0086	3.5699	5.3624	0.1571	-2.7032	2.8162
646	63.6	62.4	1.1415	2.4178	0.0085	3.5678	5.3546	0.1463	-2.7002	2.8007
647	63.1	61.7	1.1393	2.4172	0.0085	3.565	5.3241	0.1514	-2.7029	2.7725
648	60.9	61.2	1.1377	2.418	0.0085	3.5641	5.2802	0.1671	-2.6983	2.7491
649	61.6	60.8	1.1312	2.4203	0.0086	3.5601	5.2451	0.1764	-2.692	2.7295
650	62.3	60.4	1.1296	2.4197	0.0086	3.5579	5.2153	0.1807	-2.6866	2.7094
651	56.9	60	1.1256	2.4188	0.0083	3.5527	5.1723	0.1894	-2.6837	2.678
652	55	59.5	1.1194	2.4216	0.0079	3.5489	5.1585	0.1846	-2.6751	2.668
653	55.2	58.9	1.1173	2.4222	0.0075	3.547	5.1367	0.1808	-2.6589	2.6586
654	54.5	58.4	1.1137	2.4235	0.0075	3.5447	5.0834	0.2027	-2.6479	2.6382
655	53.9	57.8	1.1128	2.4212	0.0078	3.5417	5.0327	0.229	-2.6438	2.6178
656	56.2	57.2	1.1103	2.4206	0.0081	3.5391	4.991	0.2625	-2.6351	2.6183
657	59.3	56.6	1.1062	2.4223	0.0082	3.5367	4.9501	0.2815	-2.6261	2.6055

658	59.4	56	1.1075	2.4213	0.0085	3.5373	4.9498	0.2677	-2.6304	2.5871
659	58.6	55.4	1.1048	2.4212	0.0088	3.5347	4.9486	0.268	-2.6338	2.5828
660	58.1	54.7	1.103	2.4215	0.0086	3.5331	4.9539	0.2184	-2.6371	2.5352
661	55.4	54.4	1.1007	2.4227	0.0085	3.5319	4.9443	0.1938	-2.6364	2.5017
662	54.9	54.2	1.0981	2.4233	0.0083	3.5297	4.9075	0.1955	-2.6363	2.4667
663	55.7	54.1	1.0965	2.4231	0.0079	3.5275	4.8424	0.2292	-2.6364	2.4352
664	53.6	53.9	1.0955	2.4217	0.0076	3.5249	4.7871	0.2541	-2.6359	2.4053
665	51.7	53.8	1.0933	2.4216	0.0079	3.5229	4.7648	0.2534	-2.6332	2.385
666	51.7	53.7	1.0906	2.4219	0.0078	3.5203	4.7175	0.2694	-2.6277	2.3593
667	50.7	53.3	1.0865	2.4217	0.0099	3.5181	4.6973	0.2544	-2.6201	2.3317
668	48.6	53	1.087	2.4199	0.01	3.5169	4.6672	0.2642	-2.6091	2.3223
669	50	52.7	1.047	2.4191	0.0249	3.4911	4.6339	0.2648	-2.5995	2.2992
670	50.7	52.5	0.8133	2.4164	0.2843	3.5141	4.583	0.2736	-2.5887	2.2679
671	51.6	52.4	0.8116	2.4158	0.2869	3.5143	4.5542	0.2843	-2.5795	2.2589
672	52.8	52.3	0.8105	2.4156	0.2876	3.5137	4.5321	0.2996	-2.5711	2.2605
673	52	52.3	0.8118	2.4154	0.2873	3.5145	4.5198	0.2968	-2.5597	2.257
674	51.9	52.3	0.8119	2.416	0.2863	3.5142	4.4932	0.3114	-2.5543	2.2504
675	52.9	52.4	0.8116	2.416	0.2856	3.5132	4.4772	0.3092	-2.5473	2.2392
676	52.6	52.6	0.8107	2.4162	0.285	3.512	4.469	0.2776	-2.5394	2.2072
677	53.5	52.9	0.8099	2.4163	0.2849	3.5111	4.4953	0.237	-2.5295	2.2028
678	53.2	53.2	0.8095	2.4161	0.285	3.5107	4.4962	0.225	-2.5231	2.1981
679	53.4	53.3	0.8089	2.4157	0.2846	3.5092	4.4965	0.2069	-2.5265	2.1769
680	53.4	53.5	0.8081	2.4155	0.2841	3.5076	4.4754	0.1939	-2.5325	2.1368
681	54.4	53.5	0.8077	2.4153	0.284	3.5071	4.4525	0.1767	-2.5312	2.0981
682	54.7	53.5	0.8062	2.4148	0.2838	3.5048	4.4546	0.1435	-2.526	2.0721
683	54	53.5	0.8048	2.4151	0.2833	3.5032	4.4882	0.102	-2.5103	2.0799
684	54.1	53.4	0.8028	2.4157	0.2832	3.5017	4.4744	0.0816	-2.5106	2.0454
685	55.3	53.3	0.8019	2.4157	0.2829	3.5005	4.4567	0.0798	-2.5026	2.0338
686	55.1	53.2	0.7999	2.4166	0.2824	3.499	4.4308	0.0698	-2.4879	2.0126
687	54.3	53.1	0.7979	2.4167	0.2826	3.4972	4.4223	0.0533	-2.4632	2.0124
688	53.6	53.1	0.7966	2.4173	0.282	3.4959	4.4276	0.0406	-2.4688	1.9994
689	53.9	53.1	0.7941	2.4183	0.2818	3.4942	4.4077	0.0277	-2.4564	1.979
690	52.1	53.2	0.7919	2.4182	0.2817	3.4918	4.3956	0.0313	-2.4486	1.9784
691	52.3	53.2	0.7902	2.4186	0.2814	3.4902	4.4085	0.0299	-2.4566	1.9817
692	50.8	53.2	0.787	2.4186	0.2812	3.4868	4.3929	0.0136	-2.4441	1.9624
693	50.5	53.2	0.7839	2.4191	0.2803	3.4833	4.3743	0.0021	-2.4194	1.957
694	51.4	53.3	0.7805	2.4203	0.28	3.4808	4.3909	-0.0107	-2.4266	1.9536

695	50.9	53.2	0.7777	2.4203	0.28	3.4779	4.4049	-0.0217	-2.437	1.9461
696	51.8	53.2	0.7756	2.4197	0.2802	3.4755	4.4028	-0.0271	-2.4355	1.9402
697	52.9	53.2	0.7743	2.4182	0.2797	3.4722	4.4129	-0.0287	-2.4366	1.9476
698	54.1	53.2	0.7723	2.4176	0.2793	3.4693	4.3815	-0.0283	-2.3957	1.9576
699	54.8	53.1	0.7705	2.4172	0.2787	3.4664	4.3655	-0.0099	-2.3893	1.9663
700	53.9	53.1	0.7693	2.4169	0.2781	3.4643	4.3304	0.0243	-2.406	1.9488
701	54.3	53.1	0.7662	2.418	0.2773	3.4615	4.3384	0.0249	-2.4136	1.9498
702	55.1	53.1	0.7637	2.4188	0.2759	3.4584	4.2973	0.015	-2.3938	1.9185
703	54.8	53.2	0.7632	2.4177	0.2749	3.4558	4.2544	0.0443	-2.3932	1.9055
704	54.2	53	0.7623	2.4157	0.2744	3.4523	4.2388	0.0491	-2.379	1.9089
705	55.2	52.9	0.7625	2.4124	0.2738	3.4487	4.2174	0.0635	-2.3754	1.9055
706	54.3	52.7	0.7621	2.4108	0.2731	3.4459	4.2301	0.0428	-2.3715	1.9015
707	52.9	52.5	0.7584	2.4114	0.2734	3.4431	4.2226	0.0304	-2.3711	1.8819
708	52.1	52.2	0.7583	2.4083	0.2735	3.4401	4.2027	0.0418	-2.3692	1.8754
709	53.1	51.9	0.7571	2.4096	0.2734	3.4401	4.2284	0.035	-2.3565	1.9069
710	51.9	51.7	0.7539	2.4109	0.273	3.4378	4.2023	0.0351	-2.3519	1.8855
711	51.5	51.5	0.7532	2.4102	0.2728	3.4362	4.1938	0.0326	-2.3512	1.8752
712	51	51.2	0.7547	2.4066	0.2725	3.4338	4.178	0.0434	-2.3455	1.8759
713	48.9	50.9	0.7549	2.4042	0.2721	3.4312	4.1701	0.0477	-2.348	1.8699
714	49.1	50.7	0.7532	2.4041	0.2717	3.4291	4.1756	0.0444	-2.3569	1.8631
715	47.9	50.5	0.7538	2.4025	0.2711	3.4273	4.1873	0.0353	-2.3606	1.8619
716	47.9	50.3	0.7519	2.4039	0.2702	3.426	4.1729	0.0429	-2.3554	1.8604
717	48.4	50.2	0.7521	2.4025	0.269	3.4236	4.1627	0.0439	-2.3642	1.8423
718	49.8	50.1	0.7525	2.402	0.2677	3.4222	4.1443	0.0484	-2.3447	1.8481
719	49.8	50	0.753	2.4008	0.2663	3.42	4.1818	0.0295	-2.3549	1.8564
720	49.6	49.8	0.7516	2.3994	0.2656	3.4166	3.8036	0.0269	-2.2151	1.6154
721	49.6	49.8	0.7512	2.3977	0.2652	3.414	1.4885	0.0003	0.3751	1.8639
722	50.6	49.7	0.7496	2.3978	0.2643	3.4117	1.4877	-0.0063	0.4022	1.8836
723	50.2	49.6	0.7486	2.3963	0.264	3.409	1.497	-0.018	0.4097	1.8886
724	50.9	49.6	0.747	2.3966	0.2635	3.4071	1.5232	-0.0211	0.4055	1.9076
725	49.9	49.6	0.7435	2.3998	0.2626	3.406	1.5548	-0.0263	0.4027	1.9311
726	51.3	49.7	0.739	2.4042	0.2618	3.405	1.5575	-0.0365	0.3966	1.9176
727	50.9	49.7	0.737	2.4052	0.2611	3.4033	1.552	-0.0396	0.3931	1.9055
728	50.3	49.6	0.7331	2.4065	0.2611	3.4008	1.5507	-0.0367	0.3934	1.9074
729	49.3	49.5	0.7318	2.4075	0.2615	3.4008	1.5599	-0.0283	0.3947	1.9263
730	49.8	49.5	0.73	2.4088	0.2611	3.3999	1.5558	-0.0305	0.3923	1.9176
731	49.1	49.5	0.727	2.4119	0.2605	3.3994	1.5493	-0.0358	0.3867	1.9002

732	47.9	49.4	0.7214	2.4155	0.2592	3.3961	1.5495	-0.0444	0.3891	1.8942
733	49	49.4	0.7206	2.4158	0.2588	3.3952	1.5457	-0.0557	0.3911	1.8812
734	48.6	49.3	0.7198	2.4155	0.2577	3.393	1.5492	-0.0571	0.3982	1.8903
735	49.8	49.3	0.7196	2.4159	0.2563	3.3918	1.5392	-0.0552	0.4049	1.8889
736	47.9	49.3	0.7193	2.4165	0.254	3.3899	1.5444	-0.0559	0.3999	1.8885
737	47.9	49.3	0.7169	2.4169	0.2543	3.3882	1.5559	-0.0448	0.3952	1.9063
738	48.1	49.2	0.7165	2.4176	0.253	3.3871	1.5451	-0.0459	0.4018	1.901
739	49	49.4	0.7155	2.4174	0.2523	3.3852	1.5411	-0.0427	0.4003	1.8988
740	49.4	49.4	0.7123	2.4175	0.2531	3.383	1.5281	-0.0293	0.4063	1.9052
741	49.5	49.6	0.7117	2.4186	0.2519	3.3822	1.5055	-0.0218	0.4097	1.8934
742	49.7	49.7	0.7111	2.4194	0.2498	3.3802	1.4936	-0.012	0.412	1.8936
743	49.5	49.7	0.7078	2.4198	0.2508	3.3783	1.4628	-0.0044	0.4125	1.8708
744	50	49.7	0.7049	2.4204	0.2521	3.3774	1.432	0.0032	0.4107	1.846
745	50.8	49.7	0.703	2.4208	0.2521	3.3759	1.4061	0.016	0.4113	1.8334
746	50.1	49.8	0.7002	2.4206	0.2522	3.373	1.3807	0.0195	0.4117	1.8118
747	49.9	49.9	0.7012	2.42	0.2481	3.3692	1.3708	0.0144	0.4145	1.7997
748	51.6	50	0.7011	2.4189	0.2474	3.3675	1.3627	-0.0011	0.4072	1.7688
749	51.1	50	0.6982	2.4179	0.2492	3.3652	1.3431	-0.0037	0.4007	1.7402
750	52.4	49.9	0.6958	2.4172	0.2499	3.3629	1.3172	-0.0067	0.398	1.7085
751	49.6	49.9	0.6959	2.4173	0.2477	3.3608	1.293	-0.014	0.4033	1.6823
752	48.9	49.8	0.694	2.4172	0.2472	3.3584	1.258	-0.0087	0.4001	1.6494
753	48.8	49.8	0.6934	2.4173	0.2454	3.3561	1.2301	-0.0123	0.3924	1.6103
754	50.5	49.7	0.692	2.4172	0.245	3.3541	1.2278	-0.0184	0.3844	1.5938
755	49.2	49.6	0.6897	2.4169	0.2449	3.3515	1.233	-0.0284	0.3768	1.5814
756	50	49.4	0.6881	2.4176	0.2452	3.3509	1.2545	-0.0696	0.373	1.5579
757	50.6	49.2	0.6859	2.4181	0.2451	3.3491	1.2547	-0.0916	0.3685	1.5316
758	48.1	48.9	0.6847	2.4178	0.2442	3.3467	1.2538	-0.0869	0.3757	1.5426
759	48	48.6	0.6845	2.4176	0.244	3.3462	1.7035	-0.119	0.152	1.7365
760	48.8	48.2	0.6836	2.4182	0.2438	3.3456	2.6539	-0.1104	-0.5586	1.9849
761	48.7	47.9	0.6829	2.4184	0.2431	3.3443	2.6955	-0.0917	-0.3857	2.2181
762	48.9	47.7	0.6811	2.4186	0.2431	3.3427	2.6616	-0.1147	-0.3384	2.2085
763	49	47.5	0.6789	2.4187	0.2436	3.3412	2.6649	-0.1656	-0.3133	2.1859
764	47.9	47.2	0.6768	2.4182	0.2437	3.3387	2.661	-0.2076	-0.2944	2.159
765	46.3	46.9	0.676	2.4173	0.2435	3.3368	2.6655	-0.2193	-0.3156	2.1306
766	46	46.7	0.6743	2.4175	0.2443	3.336	2.6951	-0.2283	-0.3498	2.117
767	45.9	46.4	0.6721	2.4169	0.2443	3.3333	2.6865	-0.2185	-0.3591	2.1088
768	45.8	46.2	0.6688	2.417	0.2455	3.3313	2.6878	-0.24	-0.3687	2.0791

769	44.6	46.1	0.6667	2.4165	0.2464	3.3296	2.7026	-0.2494	-0.3848	2.0684
770	43.6	45.9	0.6645	2.4164	0.2468	3.3277	2.7251	-0.2542	-0.3998	2.0711
771	44.9	45.8	0.6629	2.4164	0.2467	3.326	2.7197	-0.2642	-0.3986	2.0568
772	44.9	45.6	0.6608	2.4174	0.2466	3.3248	2.7083	-0.2749	-0.3949	2.0385
773	44.6	45.4	0.6595	2.4175	0.2467	3.3237	2.6735	-0.265	-0.3868	2.0218
774	45.2	45.3	0.6564	2.4186	0.2461	3.3211	2.6862	-0.2794	-0.4109	1.996
775	45.4	45.3	0.6558	2.4197	0.246	3.3214	2.6721	-0.2738	-0.4259	1.9724
776	44.7	45.2	0.6555	2.4202	0.2457	3.3215	2.6529	-0.2426	-0.4504	1.9599
777	45	45.2	0.6548	2.4199	0.2456	3.3204	2.6667	-0.1995	-0.4992	1.968
778	46	45.2	0.6535	2.419	0.2455	3.318	2.6523	-0.1866	-0.5041	1.9616
779	45.5	45.2	0.6533	2.4187	0.2454	3.3174	2.6168	-0.1594	-0.5139	1.9436
780	45.8	45.2	0.6531	2.419	0.2455	3.3176	2.5962	-0.1369	-0.5108	1.9485
781	45.5	45.2	0.6528	2.4197	0.2451	3.3176	2.5767	-0.1138	-0.5168	1.9461
782	45.4	45.2	0.6516	2.4203	0.2447	3.3166	2.5427	-0.069	-0.5229	1.9508
783	45.7	45.2	0.6499	2.4208	0.2435	3.3142	2.4879	-0.0318	-0.5221	1.934
784	46.4	45.1	0.6488	2.4212	0.2427	3.3128	2.4767	-0.0367	-0.5072	1.9328
785	44.6	45	0.6474	2.4213	0.2429	3.3117	2.4542	-0.0373	-0.5152	1.9017
786	44.9	44.9	0.6443	2.4211	0.2429	3.3084	2.4518	-0.0307	-0.5255	1.8956
787	45.3	44.8	0.6434	2.4213	0.2424	3.3071	2.4512	-0.0378	-0.5326	1.8809
788	44.4	44.6	0.6424	2.4216	0.242	3.306	2.4227	-0.0296	-0.5274	1.8657
789	45	44.3	0.6413	2.4212	0.2412	3.3037	2.4213	-0.0272	-0.5293	1.8648
790	45.2	43.9	0.6413	2.4204	0.2407	3.3024	2.4158	-0.0261	-0.531	1.8587
791	44.3	43.4	0.6408	2.4198	0.2402	3.3008	2.3842	-0.0128	-0.5232	1.8482
792	44	43	0.6407	2.419	0.24	3.2997	2.3848	0.0061	-0.5405	1.8505
793	44.2	42.6	0.6407	2.4188	0.2393	3.2987	2.3874	0.0157	-0.5674	1.8357
794	43.6	42.1	0.6399	2.4187	0.2389	3.2975	2.3531	0.0081	-0.54	1.8212
795	43.1	41.7	0.6396	2.4183	0.2388	3.2968	2.3311	0.018	-0.5296	1.8195
796	42.8	41.4	0.6385	2.4182	0.2388	3.2956	2.3161	0.0246	-0.5385	1.8022
797	41.5	40.9	0.638	2.4183	0.239	3.2953	2.2789	0.0222	-0.5367	1.7644
798	39.7	40.5	0.638	2.418	0.2393	3.2952	2.2855	0.0133	-0.5739	1.725
799	37.7	40	0.6388	2.4178	0.2389	3.2956	2.278	0.0012	-0.5703	1.709
800	37.5	39.5	0.64	2.4183	0.2378	3.296	2.2452	-0.0136	-0.548	1.6836
801	37.9	39	0.6405	2.4189	0.2372	3.2966	2.2209	-0.0217	-0.543	1.6563
802	37	38.5	0.6407	2.4201	0.2367	3.2974	2.2042	-0.0162	-0.5625	1.6255
803	37.3	38	0.6404	2.4195	0.2365	3.2965	2.215	-0.0092	-0.596	1.6098
804	37.5	37.5	0.639	2.4185	0.2367	3.2942	2.209	-0.0061	-0.6055	1.5974
805	37.9	37	0.6371	2.4193	0.2365	3.2929	2.1774	-0.0015	-0.5927	1.5832

806	36.6	36.5	0.6366	2.4199	0.2362	3.2928	2.1734	-0.0042	-0.6027	1.5665
807	37	36.1	0.633	2.4201	0.2358	3.2889	2.1609	0.0062	-0.6038	1.5632
808	35.3	35.8	0.588	2.4202	0.2583	3.2664	2.1419	0.0191	-0.604	1.557
809	35.2	35.5	0.4917	2.4206	0.3293	3.2416	2.148	0.0091	-0.6149	1.5422
810	35.2	35.2	0.4843	2.4201	0.3116	3.216	2.1496	0.0132	-0.6154	1.5474
811	34.8	34.8	0.487	2.4217	0.3066	3.2154	2.1351	0.0151	-0.6102	1.5401
812	34.2	34.4	0.4882	2.4232	0.3038	3.2152	2.1369	0.0139	-0.6146	1.5362
813	33.8	34	0.4888	2.425	0.3015	3.2153	2.1197	0.0149	-0.5941	1.5406
814	33.4	33.6	0.4867	2.4261	0.3033	3.216	2.0941	0.0027	-0.5919	1.5049
815	33.9	33	0.4843	2.4253	0.306	3.2156	2.0665	0.0007	-0.5909	1.4762
816	34	32.6	0.4832	2.4258	0.3062	3.2152	2.0673	0.0039	-0.5988	1.4724
817	33.7	32.1	0.4833	2.4265	0.3058	3.2157	2.0577	-0.004	-0.589	1.4647
818	32.4	31.8	0.4822	2.4269	0.3062	3.2154	2.0408	-0.0092	-0.5884	1.4432
819	31.6	31.4	0.4804	2.4262	0.3063	3.2129	2.0005	-0.0038	-0.5735	1.4232
820	30.4	31.1	0.4796	2.4258	0.3055	3.2109	1.9824	-0.0015	-0.5635	1.4173
821	30	30.8	0.4803	2.4252	0.3047	3.2102	1.965	-0.0052	-0.5432	1.4167
822	29.6	30.5	0.4822	2.4243	0.303	3.2095	1.9535	-0.0017	-0.5425	1.4093
823	28.9	30.2	0.48	2.4243	0.3051	3.2094	1.9343	0.0178	-0.5542	1.3979
824	28.1	30	0.4798	2.424	0.3061	3.2099	1.9227	0.0187	-0.5509	1.3905
825	28	29.7	0.4782	2.4241	0.3076	3.21	1.8839	0.0263	-0.5464	1.3638
826	28.3	29.4	0.4724	2.4242	0.3117	3.2082	1.884	0.0424	-0.5522	1.3742
827	28.4	29.2	0.4718	2.4238	0.3115	3.2071	1.8644	0.0611	-0.5396	1.3858
828	28.1	29	0.4715	2.4225	0.3125	3.2064	1.8493	0.0691	-0.5419	1.3765
829	28.6	28.9	0.4722	2.4212	0.3125	3.2059	1.8355	0.0725	-0.5406	1.3674
830	29.1	28.8	0.4723	2.4202	0.3128	3.2053	1.8346	0.0823	-0.5397	1.3771
831	29.5	28.7	0.4727	2.4188	0.3128	3.2043	1.8448	0.0863	-0.5401	1.3909
832	28.5	28.6	0.4726	2.4187	0.3114	3.2027	1.8527	0.1033	-0.5534	1.4025
833	28.7	28.6	0.473	2.4194	0.3095	3.2019	1.8348	0.1149	-0.5521	1.3976
834	28.8	28.6	0.4744	2.4192	0.3092	3.2028	1.8118	0.1205	-0.5527	1.3796
835	28.3	28.5	0.4744	2.419	0.3088	3.2023	1.7872	0.1353	-0.5568	1.3658
836	29	28.5	0.4742	2.4203	0.3073	3.2018	1.7636	0.1316	-0.5453	1.3499
837	28.5	28.4	0.4746	2.4199	0.3071	3.2016	1.7328	0.1294	-0.5459	1.3163
838	29.9	28.3	0.4744	2.4203	0.306	3.2006	1.7256	0.1315	-0.5588	1.2983
839	28.6	28.2	0.4739	2.42	0.3054	3.1993	1.7255	0.1271	-0.5637	1.2888
840	28.5	28.1	0.4739	2.4188	0.3054	3.1981	1.7213	0.1155	-0.5621	1.2746
841	28	27.9	0.4732	2.418	0.3059	3.1972	1.7266	0.1042	-0.5629	1.2678
842	28	27.8	0.4724	2.4178	0.3065	3.1966	1.718	0.0952	-0.5568	1.2564

843	27.8	27.7	0.4724	2.419	0.3048	3.1962	1.7138	0.0934	-0.5561	1.2512
844	27.3	27.6	0.4718	2.4186	0.305	3.1954	1.7183	0.0928	-0.5666	1.2445
845	27.4	27.6	0.4714	2.4184	0.306	3.1957	1.7179	0.087	-0.5706	1.2342
846	26.9	27.5	0.4724	2.4184	0.3058	3.1966	1.6979	0.0829	-0.5524	1.2285
847	26.4	27.5	0.4726	2.4187	0.3055	3.1967	1.6864	0.0671	-0.5444	1.209
848	26	27.4	0.4733	2.4188	0.3045	3.1966	1.6743	0.0712	-0.5321	1.2133
849	27	27.4	0.4736	2.4192	0.304	3.1969	1.657	0.0669	-0.5173	1.2066
850	26.9	27.4	0.4737	2.4193	0.3042	3.1973	1.6734	0.0624	-0.5203	1.2155
851	26.8	27.5	0.4755	2.4189	0.3039	3.1983	1.703	0.061	-0.5345	1.2295
852	26.5	27.5	0.4725	2.4181	0.3068	3.1974	1.6947	0.0673	-0.5293	1.2328
853	26.9	27.5	0.4725	2.4179	0.3059	3.1964	1.7065	0.071	-0.5338	1.2438
854	27.9	27.6	0.4742	2.4173	0.3043	3.1958	1.707	0.0526	-0.5245	1.2352
855	26.6	27.6	0.4724	2.4173	0.3052	3.1949	1.6903	0.0293	-0.5046	1.215
856	28.2	27.7	0.472	2.417	0.3056	3.1946	1.6706	0.0378	-0.4962	1.2122
857	28.9	27.8	0.4717	2.4162	0.3055	3.1935	1.6564	0.0437	-0.4829	1.2172
858	29	27.9	0.4699	2.4169	0.3057	3.1924	1.6191	0.0409	-0.483	1.177
859	28.8	27.8	0.4696	2.4163	0.3055	3.1914	1.1752	0.0373	-0.2495	0.9629
860	29.1	27.9	0.4701	2.4167	0.3048	3.1916	0.2317	0.041	0.4651	0.7377
861	28.2	27.9	0.4692	2.417	0.3045	3.1907	0.1696	0.0358	0.2742	0.4795
862	28	27.9	0.4691	2.4171	0.3025	3.1887	0.204	0.0535	0.2179	0.4753
863	28.9	28	0.4695	2.4184	0.3028	3.1907	0.2066	0.067	0.2057	0.4793
864	28.1	27.9	0.4702	2.4181	0.3028	3.1911	0.2316	0.0824	0.1658	0.4798
865	27.9	27.9	0.4693	2.4169	0.3033	3.1896	0.1924	0.086	0.2152	0.4936
866	27.9	27.9	0.4685	2.4179	0.3031	3.1896	0.1698	0.0791	0.2465	0.4954
867	27.6	27.9	0.468	2.4178	0.3032	3.189	0.1608	0.082	0.2533	0.4961
868	26.8	27.8	0.4688	2.4173	0.3028	3.1889	0.1594	0.0908	0.2582	0.5084
869	27.1	27.8	0.4684	2.4166	0.3028	3.1878	0.159	0.0925	0.2533	0.5048
870	27.4	27.8	0.468	2.4169	0.3011	3.186	0.1439	0.0806	0.2621	0.4866
871	27.1	27.8	0.4675	2.4166	0.3009	3.1851	0.133	0.0734	0.2636	0.47
872	27.5	27.8	0.4674	2.4156	0.302	3.1851	0.1397	0.0573	0.2619	0.4588
873	26.7	27.8	0.4672	2.4156	0.3018	3.1847	0.1371	0.0412	0.2712	0.4494
874	27.2	27.8	0.468	2.416	0.3007	3.1847	0.1071	0.0373	0.306	0.4503
875	28.1	27.8	0.4674	2.4154	0.3012	3.184	0.1089	0.0302	0.3206	0.4597
876	28.2	27.8	0.4691	2.4141	0.2997	3.1829	0.0906	0.0269	0.3421	0.4596
877	28.2	27.9	0.4699	2.413	0.2998	3.1827	0.0317	0.0257	0.3888	0.4461
878	28.8	27.9	0.47	2.4117	0.2996	3.1813	0.027	0.0166	0.3994	0.443
879	28.4	27.8	0.4698	2.4105	0.2994	3.1797	0.0193	-0.0041	0.4289	0.4441

880	27.9	27.7	0.4686	2.4104	0.2995	3.1785	0.0301	-0.0209	0.4364	0.4456
881	28.7	27.6	0.4675	2.4094	0.3005	3.1774	0.0458	-0.0348	0.439	0.45
882	28.1	27.5	0.4681	2.4088	0.2999	3.1769	0.0663	-0.0496	0.4405	0.4572
883	28	27.5	0.4687	2.4088	0.2988	3.1762	0.0926	-0.0549	0.4156	0.4534
884	28.3	27.4	0.4701	2.4077	0.2984	3.1762	0.1011	-0.0471	0.3995	0.4536
885	28.7	27.2	0.4711	2.4081	0.2975	3.1767	0.1255	-0.0637	0.4064	0.4682
886	27.9	27	0.471	2.4082	0.2975	3.1767	0.1355	-0.0815	0.4154	0.4693
887	26.8	26.8	0.4709	2.4081	0.2983	3.1773	0.1264	-0.0784	0.4239	0.4719
888	25.7	26.6	0.4699	2.4089	0.2983	3.1771	0.1328	-0.0869	0.4209	0.4668
889	25.7	26.4	0.4692	2.4097	0.2974	3.1762	0.1151	-0.0805	0.4176	0.4522
890	25.9	26.2	0.4687	2.41	0.297	3.1756	0.1024	-0.0884	0.4231	0.4371
891	25.4	26	0.469	2.4103	0.2959	3.1752	0.1055	-0.1016	0.4258	0.4297
892	25.4	25.9	0.4693	2.4097	0.2956	3.1746	0.1034	-0.1123	0.4415	0.4326
893	25.7	25.8	0.4688	2.4095	0.2959	3.1742	0.0889	-0.1153	0.4584	0.432
894	24.7	25.6	0.4681	2.41	0.2959	3.174	0.0976	-0.1	0.4355	0.4331
895	25.2	25.5	0.4698	2.41	0.2941	3.1739	0.0927	-0.1015	0.4366	0.4278
896	24.3	25.4	0.4699	2.4115	0.2932	3.1747	0.0974	-0.1042	0.4468	0.4401
897	24.7	25.4	0.4706	2.4112	0.2922	3.174	0.1312	-0.1012	0.4336	0.4636
898	23.8	25.5	0.4723	2.4113	0.291	3.1746	0.1355	-0.0995	0.4262	0.4623
899	24.9	25.5	0.4715	2.4116	0.291	3.1741	0.1351	-0.0987	0.4225	0.4588
900	25.1	25.6	0.4697	2.4122	0.2912	3.1731	0.1446	-0.0917	0.4133	0.4661
901	26	25.7	0.471	2.4122	0.2902	3.1733	0.1506	-0.0891	0.4187	0.4801
902	25.1	25.8	0.47	2.413	0.29	3.173	0.1667	-0.0917	0.4234	0.4984
903	25.8	25.9	0.4697	2.4143	0.289	3.1729	0.1378	-0.1016	0.4573	0.4936
904	25.7	26	0.4699	2.4156	0.2872	3.1727	0.1356	-0.1065	0.4575	0.4867
905	26.7	26.2	0.47	2.4156	0.2861	3.1717	0.1529	-0.1143	0.4406	0.4792
906	26.9	26.4	0.471	2.4156	0.2845	3.171	0.1366	-0.1156	0.4511	0.472
907	26.6	26.4	0.4711	2.416	0.2841	3.1712	0.1336	-0.1244	0.4606	0.4698
908	26.8	26.6	0.4705	2.4164	0.2832	3.1701	0.1348	-0.1375	0.4595	0.4568
909	27.3	26.6	0.4686	2.4165	0.2828	3.1679	0.1175	-0.1303	0.4632	0.4504
910	27.2	26.7	0.4674	2.4165	0.2842	3.1681	0.1134	-0.1315	0.4605	0.4425
911	27.9	26.6	0.4666	2.4163	0.2849	3.1678	0.1219	-0.1262	0.4475	0.4432
912	27.3	26.6	0.4676	2.4165	0.2832	3.1673	0.1159	-0.1235	0.4437	0.4361
913	27.2	26.6	0.4656	2.4168	0.2849	3.1673	0.1091	-0.1224	0.4339	0.4206
914	27.8	26.6	0.4675	2.4175	0.2817	3.1666	0.109	-0.1073	0.445	0.4467
915	27.8	26.5	0.4673	2.4174	0.2814	3.1661	0.1179	-0.1069	0.4495	0.4605
916	26.4	26.4	0.4671	2.4176	0.2808	3.1655	0.11	-0.1142	0.4574	0.4532

917	26.6	26.3	0.4674	2.4174	0.28	3.1648	0.0985	-0.1024	0.4562	0.4524
918	25.7	26.3	0.4663	2.4177	0.2809	3.1649	0.089	-0.1039	0.4647	0.4498
919	25.5	26.2	0.4661	2.4181	0.2801	3.1643	0.0965	-0.1128	0.4692	0.4529
920	25.6	26	0.4663	2.4185	0.2791	3.1639	0.0961	-0.1173	0.4769	0.4557
921	25.3	25.9	0.4664	2.4195	0.2785	3.1643	0.1042	-0.1081	0.4582	0.4543
922	25.2	25.9	0.4685	2.4202	0.2759	3.1645	0.1203	-0.1082	0.4505	0.4625
923	24.8	25.8	0.4693	2.4205	0.2745	3.1643	0.1256	-0.1155	0.4586	0.4687
924	25	25.7	0.4689	2.421	0.274	3.1639	0.1182	-0.111	0.4586	0.4658
925	25.4	25.6	0.4692	2.4214	0.2734	3.164	0.1222	-0.1041	0.4389	0.457
926	25.4	25.6	0.4692	2.4216	0.2728	3.1636	0.1057	-0.1092	0.4526	0.4492
927	25.5	25.6	0.4691	2.4222	0.2716	3.1628	0.1322	-0.1246	0.4435	0.4511
928	25.3	25.5	0.4695	2.4229	0.2696	3.162	0.1454	-0.1369	0.4505	0.459
929	24.8	25.5	0.4691	2.4233	0.2689	3.1614	0.1533	-0.1482	0.4462	0.4513
930	26.1	25.6	0.4677	2.4237	0.2689	3.1603	0.1567	-0.1566	0.4451	0.4452
931	26	25.6	0.4661	2.4238	0.2688	3.1586	0.1531	-0.1563	0.4479	0.4446
932	25.9	25.7	0.4633	2.4242	0.2698	3.1573	0.1436	-0.1679	0.4652	0.4409
933	26.6	25.8	0.4628	2.4241	0.2696	3.1565	0.1438	-0.1751	0.4664	0.4351
934	26.1	25.9	0.4619	2.4256	0.2685	3.156	0.1627	-0.1784	0.4365	0.4208
935	25.9	26	0.4609	2.4272	0.2673	3.1554	0.1866	-0.1903	0.4238	0.4201
936	25.4	26	0.4616	2.4282	0.2649	3.1546	0.1787	-0.1856	0.4312	0.4244
937	25	26.1	0.4613	2.4286	0.265	3.1549	0.1707	-0.1844	0.441	0.4273
938	25.7	26.1	0.4629	2.4283	0.2642	3.1554	0.1934	-0.1861	0.4266	0.434
939	26.2	26.2	0.4637	2.4288	0.2631	3.1556	0.1869	-0.1784	0.4163	0.4248
940	26.8	26.1	0.4634	2.4289	0.2629	3.1552	0.1719	-0.1686	0.3971	0.4005
941	26.2	26.1	0.4629	2.4292	0.2618	3.1539	0.1656	-0.1631	0.3891	0.3916
942	26.6	26	0.4635	2.4293	0.2607	3.1534	0.1523	-0.1623	0.3917	0.3817
943	27.2	25.9	0.4627	2.429	0.2613	3.1529	0.1352	-0.1694	0.4258	0.3915
944	26.6	25.8	0.4625	2.4288	0.2614	3.1527	0.1495	-0.1726	0.4287	0.4056
945	26.6	25.8	0.4616	2.4288	0.2613	3.1517	0.1436	-0.1696	0.4465	0.4205
946	26.1	25.7	0.4592	2.4285	0.2625	3.1502	0.1594	-0.1684	0.4356	0.4267
947	26.2	25.6	0.4591	2.4286	0.2628	3.1505	0.1682	-0.1545	0.4314	0.4451
948	26	25.5	0.4598	2.4287	0.2622	3.1507	0.1866	-0.157	0.4251	0.4548
949	25	25.4	0.4592	2.4284	0.2627	3.1503	0.2164	-0.1539	0.4098	0.4723
950	24.7	25.2	0.4587	2.4282	0.2624	3.1493	0.2201	-0.1486	0.4117	0.4833
951	25.1	25.1	0.4588	2.4281	0.2616	3.1484	0.212	-0.1458	0.418	0.4842
952	24.4	25	0.4587	2.4283	0.261	3.148	0.2381	-0.1493	0.4058	0.4945
953	24.7	24.8	0.459	2.4286	0.2602	3.1477	0.2339	-0.144	0.4079	0.4977

954	25	24.7	0.4589	2.4288	0.2602	3.1479	0.2254	-0.1323	0.3995	0.4926
955	24.1	24.6	0.4587	2.4289	0.2601	3.1477	0.2264	-0.1206	0.3885	0.4943
956	23.8	24.6	0.4586	2.4294	0.2595	3.1476	0.2334	-0.1274	0.3781	0.4841
957	23.9	24.5	0.4582	2.43	0.2596	3.1478	0.2454	-0.1294	0.3638	0.4797
958	23.2	24.6	0.4581	2.4299	0.2594	3.1474	0.2495	-0.1235	0.3634	0.4894
959	23.4	24.6	0.4582	2.4295	0.2595	3.1472	0.2545	-0.1167	0.35	0.4877
960	23.9	24.6	0.4579	2.4293	0.26	3.1473	0.2365	-0.1099	0.3399	0.4665
961	24.1	24.7	0.4576	2.4294	0.2602	3.1471	0.2237	-0.1161	0.363	0.4706
962	24.3	24.7	0.4582	2.4293	0.2591	3.1466	0.2217	-0.1209	0.3731	0.4739
963	24.7	24.8	0.4586	2.4291	0.2583	3.146	0.2349	-0.1273	0.3508	0.4585
964	25	24.8	0.4584	2.4288	0.2578	3.145	0.2166	-0.1315	0.3784	0.4634
965	25.5	24.9	0.4583	2.4284	0.2576	3.1443	0.2341	-0.1207	0.3425	0.4559
966	25.6	25	0.4587	2.4281	0.2575	3.1443	0.2371	-0.1225	0.3449	0.4595
967	26.1	25	0.4591	2.4282	0.2567	3.144	0.2526	-0.1221	0.3339	0.4644
968	25.4	25.1	0.4591	2.4286	0.2559	3.1437	0.2808	-0.1248	0.3061	0.4621
969	25	25.1	0.4588	2.4283	0.2551	3.1423	0.2709	-0.1249	0.3236	0.4696
970	26.2	25.1	0.4576	2.4277	0.2553	3.1406	0.2639	-0.1209	0.3258	0.4688
971	26.2	25.1	0.4555	2.4274	0.2559	3.1388	0.2636	-0.1135	0.3283	0.4784
972	25.3	25.1	0.4548	2.4272	0.2562	3.1382	0.2663	-0.0979	0.3282	0.4967
973	26	25.1	0.4554	2.4268	0.2559	3.1381	0.2944	-0.0854	0.2994	0.5083
974	25.6	25	0.4558	2.4264	0.2568	3.139	0.3102	-0.0803	0.2858	0.5156
975	25.4	24.9	0.4569	2.4263	0.2559	3.1391	0.3041	-0.0747	0.2882	0.5176
976	24.9	24.8	0.4559	2.4266	0.2553	3.1378	0.3055	-0.0635	0.2909	0.5329
977	24.4	24.6	0.4554	2.4267	0.2547	3.1368	0.3022	-0.0552	0.2918	0.5388
978	24.1	24.5	0.4547	2.4265	0.255	3.1362	0.3072	-0.0452	0.2736	0.5355
979	23.5	24.4	0.4542	2.4262	0.2549	3.1352	0.3124	-0.0379	0.2545	0.529
980	23.4	24.3	0.4533	2.426	0.2547	3.1341	0.3001	-0.0275	0.2535	0.5262
981	24.5	24.1	0.4531	2.4262	0.254	3.1333	0.2893	-0.0163	0.254	0.527
982	24	24	0.4538	2.4264	0.2533	3.1334	0.2696	-0.0121	0.2697	0.5272
983	24.1	23.9	0.4524	2.4266	0.2551	3.1341	0.2435	-0.0128	0.2912	0.5218
984	23.9	23.8	0.4515	2.4267	0.256	3.1342	0.2534	-0.0061	0.2875	0.5348
985	23.2	23.6	0.4532	2.4267	0.2544	3.1342	0.2371	0.0185	0.2908	0.5465
986	22.9	23.5	0.454	2.4266	0.2534	3.134	0.2318	0.0351	0.2801	0.547
987	23.2	23.5	0.4515	2.4268	0.2556	3.1339	0.2487	0.048	0.2571	0.5538
988	23.1	23.4	0.4512	2.4267	0.2567	3.1346	0.242	0.056	0.2683	0.5663
989	23.3	23.4	0.452	2.4265	0.2577	3.1362	0.2476	0.0537	0.2813	0.5826
990	23.6	23.4	0.4521	2.4263	0.2581	3.1365	0.2525	0.0595	0.2822	0.5942

991	23.5	23.3	0.4538	2.4265	0.2567	3.137	0.2468	0.0638	0.2855	0.596
992	23.8	23.3	0.4558	2.4266	0.253	3.1354	0.24	0.072	0.2741	0.5862
993	23.2	23.2	0.4539	2.4267	0.2531	3.1337	0.2349	0.0752	0.2713	0.5814
994	22.7	23.1	0.4538	2.427	0.2513	3.132	0.2268	0.073	0.2845	0.5843
995	22.8	23.1	0.4539	2.4268	0.2505	3.1312	0.2364	0.0752	0.2876	0.5993
996	23.3	23.1	0.4531	2.427	0.2501	3.1302	0.2271	0.0821	0.2953	0.6045
997	23.4	23	0.4519	2.4269	0.2497	3.1285	0.2047	0.0828	0.3066	0.5942
998	23.4	23.1	0.4506	2.4267	0.25	3.1273	0.1976	0.0849	0.3007	0.5832
999	22.9	23	0.4495	2.4264	0.2498	3.1257	0.206	0.0777	0.2967	0.5804
1000	23	23	0.4485	2.4267	0.2494	3.1247	0.1979	0.0626	0.3055	0.566
1001	23.1	23	0.4472	2.4271	0.2496	3.1239	0.2105	0.0604	0.3058	0.5766
1002	22.4	22.9	0.4466	2.4274	0.2492	3.1233	0.2076	0.0668	0.3065	0.581
1003	22.3	22.9	0.4472	2.4275	0.249	3.1237	0.2233	0.0723	0.2986	0.5942
1004	22.6	23	0.4473	2.4276	0.2483	3.1232	0.2264	0.0827	0.2936	0.6026
1005	23.1	23	0.4467	2.4283	0.2483	3.1233	0.2186	0.096	0.3086	0.6232
1006	22.4	23	0.4464	2.4285	0.2482	3.1231	0.213	0.0951	0.3073	0.6154
1007	23.2	23	0.4461	2.4283	0.2478	3.1222	0.193	0.1022	0.3079	0.6032
1008	22.8	23	0.445	2.4281	0.2482	3.1214	0.1786	0.1104	0.3088	0.5979
1009	23.1	23	0.4449	2.4275	0.2488	3.1212	0.1776	0.1176	0.3096	0.6048
1010	22.9	23.1	0.445	2.4281	0.2479	3.121	0.1728	0.1166	0.3268	0.6162
1011	22.9	23.1	0.4445	2.4284	0.2475	3.1205	0.1722	0.1149	0.3303	0.6175
1012	23	23.2	0.4441	2.4292	0.2482	3.1214	0.1608	0.1175	0.3378	0.6162
1013	24.3	23.4	0.4439	2.4299	0.2471	3.1209	0.1604	0.1128	0.3349	0.6081
1014	23.4	23.5	0.444	2.4295	0.2475	3.1211	0.1701	0.1057	0.3244	0.6001
1015	22.7	23.6	0.4436	2.4297	0.2469	3.1202	0.1658	0.1018	0.3213	0.5889
1016	23.1	23.7	0.4419	2.4298	0.2474	3.1191	0.16	0.0937	0.3245	0.5782
1017	23.4	23.8	0.4393	2.4299	0.2494	3.1186	0.1532	0.0982	0.334	0.5854
1018	23.6	23.9	0.4392	2.4302	0.2485	3.1179	0.15	0.0999	0.3332	0.5832
1019	23.7	23.9	0.4397	2.4302	0.2475	3.1174	0.1573	0.1051	0.3334	0.5957
1020	24.2	24	0.44	2.4298	0.2463	3.1161	0.1677	0.1043	0.3258	0.5979
1021	24.5	24.1	0.4397	2.4292	0.2456	3.1146	0.1496	0.1113	0.3289	0.5897
1022	24.8	24.1	0.4391	2.4287	0.2459	3.1137	0.1214	0.1041	0.333	0.5585
1023	25.1	24.1	0.4383	2.4286	0.2459	3.1128	0.1365	0.105	0.3339	0.5754
1024	25	24.1	0.4385	2.4285	0.2452	3.1121	0.1423	0.1104	0.3191	0.5717
1025	24.5	24.2	0.4386	2.4278	0.2443	3.1107	0.1408	0.1036	0.3404	0.5847
1026	24.7	24.2	0.439	2.4271	0.2436	3.1097	0.1489	0.0944	0.3469	0.5902
1027	24.6	24.1	0.4384	2.4267	0.2442	3.1093	0.1489	0.0991	0.3326	0.5806

1028	23.8	24	0.4383	2.4267	0.2441	3.1091	0.1638	0.1026	0.3075	0.5739
1029	24.2	23.9	0.4391	2.4261	0.2435	3.1087	0.1666	0.0826	0.3125	0.5617
1030	24.5	23.7	0.4388	2.4253	0.2435	3.1076	0.1554	0.0574	0.3191	0.5319
1031	23.7	23.6	0.4391	2.425	0.2418	3.1059	0.1423	0.0509	0.3222	0.5155
1032	24.2	23.4	0.439	2.4255	0.2407	3.1052	0.1407	0.0556	0.3195	0.5158
1033	23.2	23.2	0.4375	2.4247	0.2408	3.1031	0.1443	0.0628	0.3101	0.5172
1034	24.1	23	0.4382	2.4237	0.2395	3.1013	0.1269	0.0722	0.3279	0.527
1035	23.1	22.9	0.4377	2.4237	0.2393	3.1007	0.1242	0.0754	0.3386	0.5381
1036	21.9	22.8	0.4367	2.4234	0.2392	3.0993	0.151	0.0782	0.3218	0.5509
1037	22.1	22.7	0.4371	2.423	0.2382	3.0983	0.1657	0.075	0.317	0.5576
1038	21.4	22.6	0.4381	2.423	0.2361	3.0972	0.1395	0.0782	0.3447	0.5623
1039	21.5	22.5	0.4384	2.4229	0.2349	3.0962	0.1352	0.0851	0.35	0.5703
1040	21.4	22.3	0.4387	2.4226	0.2343	3.0956	0.1438	0.095	0.355	0.5938
1041	21.3	22.2	0.4389	2.422	0.2344	3.0953	0.1376	0.0951	0.3671	0.5998
1042	21.5	22.1	0.44	2.4218	0.2335	3.0953	0.1499	0.0979	0.3638	0.6117
1043	21.7	22	0.44	2.4217	0.2328	3.0945	0.1632	0.0969	0.333	0.5931
1044	22.2	21.8	0.4389	2.4212	0.2326	3.0927	0.108	0.0903	0.3796	0.5779
1045	23	21.7	0.4389	2.4206	0.2318	3.0912	0.0962	0.0924	0.3747	0.5633
1046	22.4	21.7	0.4388	2.4202	0.2318	3.0908	0.0899	0.0966	0.3733	0.5599
1047	21.8	21.7	0.4393	2.4201	0.2328	3.0922	0.09	0.1001	0.3651	0.5552
1048	22	21.6	0.4392	2.4209	0.2325	3.0927	0.0849	0.1045	0.3661	0.5555
1049	21.3	21.6	0.4394	2.4221	0.2321	3.0936	0.0777	0.1041	0.3794	0.5612
1050	21.3	21.6	0.4376	2.4222	0.2318	3.0916	0.0655	0.1001	0.3957	0.5613
1051	21.8	21.5	0.438	2.4214	0.2309	3.0903	0.0618	0.099	0.4006	0.5614
1052	22	21.5	0.4364	2.421	0.2312	3.0886	0.0499	0.0962	0.4137	0.5598
1053	21	21.5	0.4363	2.4203	0.2308	3.0875	0.0384	0.0928	0.4216	0.5527
1054	21.2	21.5	0.4371	2.4192	0.2293	3.0856	0.0363	0.0935	0.4308	0.5607
1055	21.1	21.4	0.4374	2.4193	0.2294	3.0862	0.0345	0.0949	0.4256	0.555
1056	21.4	21.4	0.4393	2.4192	0.2287	3.0873	0.0248	0.1014	0.4225	0.5487
1057	20.8	21.3	0.4404	2.4189	0.2287	3.088	0.0202	0.1035	0.4165	0.5402
1058	20.7	21.3	0.4404	2.4181	0.2284	3.0869	0.0097	0.0987	0.4095	0.5178
1059	20.9	21.2	0.4409	2.4178	0.2268	3.0856	-0.0058	0.0847	0.4156	0.4944
1060	20.9	21.1	0.4407	2.4178	0.227	3.0856	0	0.0641	0.42	0.4841
1061	21.4	21	0.4415	2.4176	0.2264	3.0855	0.0008	0.0594	0.4159	0.4761
1062	21.7	20.9	0.4422	2.418	0.2256	3.0858	-0.0103	0.0563	0.4261	0.4721
1063	21.6	20.9	0.4416	2.4186	0.2259	3.086	-0.0149	0.0606	0.4423	0.488
1064	21.6	20.8	0.4418	2.4186	0.2257	3.0861	-0.0171	0.0643	0.4376	0.4848

1065	21.8	20.8	0.4423	2.419	0.2251	3.0864	-0.0259	0.0561	0.4584	0.4886
1066	20.9	20.7	0.4434	2.4183	0.2241	3.0858	-0.0088	0.0498	0.4404	0.4814
1067	20.4	20.6	0.4441	2.4182	0.2234	3.0857	-0.0392	0.0491	0.4594	0.4693
1068	20	20.6	0.4434	2.4181	0.2226	3.0841	-0.0747	0.052	0.5003	0.4776
1069	20.2	20.5	0.4421	2.4179	0.2225	3.0825	-0.054	0.0578	0.4746	0.4783
1070	20	20.5	0.4426	2.4166	0.2224	3.0816	-0.0611	0.054	0.4752	0.4681
1071	19.7	20.5	0.4434	2.417	0.2226	3.0829	-0.0445	0.0453	0.4672	0.4679
1072	20.4	20.4	0.4412	2.4167	0.2228	3.0806	-0.0482	0.0454	0.4612	0.4584
1073	20.5	20.4	0.4412	2.4157	0.224	3.0809	-0.0713	0.04	0.4807	0.4494
1074	19.8	20.4	0.4417	2.416	0.2228	3.0805	-0.0858	0.0462	0.4947	0.4551
1075	19.6	20.4	0.442	2.4169	0.2212	3.0801	-0.0748	0.0524	0.4856	0.4633
1076	19.6	20.4	0.441	2.4166	0.2221	3.0797	-0.0786	0.0571	0.4832	0.4617
1077	19.4	20.4	0.439	2.4164	0.224	3.0794	-0.08	0.0523	0.4823	0.4546
1078	20	20.5	0.438	2.4183	0.2237	3.08	-0.0869	0.0456	0.4921	0.4508
1079	20.7	20.6	0.4386	2.4204	0.2229	3.082	-0.0987	0.0533	0.4928	0.4474
1080	20.9	20.7	0.4391	2.421	0.2225	3.0825	-0.1098	0.0506	0.4989	0.4397
1081	21	20.9	0.4391	2.4206	0.222	3.0817	-0.1207	0.0495	0.5077	0.4366
1082	20.8	21	0.4393	2.4201	0.2223	3.0817	-0.1137	0.0481	0.4885	0.4229
1083	21.2	21.1	0.4397	2.4194	0.2223	3.0815	-0.1111	0.0528	0.4738	0.4154
1084	21.8	21.3	0.439	2.4192	0.2221	3.0804	-0.1279	0.0433	0.4764	0.3918
1085	21.2	21.4	0.4381	2.4189	0.2222	3.0791	-0.1278	0.0327	0.4705	0.3754
1086	21.4	21.6	0.4374	2.4191	0.2217	3.0782	-0.127	0.0273	0.4654	0.3657
1087	21.3	21.7	0.4376	2.4189	0.2212	3.0777	-0.1334	0.0167	0.4638	0.3471
1088	21.8	21.9	0.4377	2.4182	0.2217	3.0776	-0.1193	0.0074	0.4565	0.3446
1089	22	22	0.4376	2.417	0.2222	3.0768	-0.0997	0.0038	0.4466	0.3507
1090	22.7	22.1	0.4383	2.4168	0.2214	3.0765	-0.0964	0.0003	0.4355	0.3393
1091	23.2	22.2	0.4388	2.4167	0.2203	3.0758	-0.0889	0.0015	0.4068	0.3193
1092	23.1	22.3	0.4395	2.4169	0.2197	3.0761	-0.0784	0.0028	0.3847	0.3091
1093	22.6	22.4	0.4431	2.4177	0.2151	3.0759	-0.0716	-0.0043	0.3823	0.3064
1094	22.4	22.5	0.4441	2.4177	0.2138	3.0756	-0.079	-0.0201	0.4003	0.3012
1095	22.4	22.6	0.4449	2.4172	0.2132	3.0753	-0.0955	-0.0301	0.3992	0.2735
1096	22.6	22.6	0.4441	2.417	0.2136	3.0746	-0.0876	-0.0391	0.3793	0.2526
1097	22.4	22.7	0.4434	2.4164	0.2131	3.073	-0.0933	-0.0515	0.392	0.2472
1098	22.5	22.7	0.4429	2.4163	0.2121	3.0712	-0.0929	-0.0648	0.4205	0.2628
1099	22.6	22.8	0.4429	2.4164	0.2102	3.0696	-0.0893	-0.0537	0.4145	0.2715
1100	23.1	22.7	0.4423	2.4168	0.2094	3.0685	-0.0797	-0.0386	0.4121	0.2938
1101	23.2	22.7	0.4422	2.4175	0.2082	3.0679	-0.0928	-0.037	0.4071	0.2773

1102	23.3	22.6	0.4428	2.4181	0.2071	3.068	-0.0855	-0.0462	0.3985	0.2669
1103	22.8	22.6	0.4435	2.4181	0.2059	3.0676	-0.0847	-0.0558	0.399	0.2585
1104	23	22.5	0.4438	2.4182	0.2057	3.0677	-0.0926	-0.0672	0.4021	0.2423
1105	22.6	22.5	0.4442	2.4181	0.206	3.0684	-0.0928	-0.0891	0.3974	0.2155
1106	22.5	22.4	0.4444	2.4181	0.2065	3.0691	-0.0938	-0.0963	0.4075	0.2174
1107	22.7	22.3	0.4452	2.4185	0.2068	3.0704	-0.0442	-0.1066	0.388	0.2372
1108	22.6	22.2	0.4456	2.4197	0.2067	3.0719	0.0014	-0.1135	0.3665	0.2544
1109	22.5	22.1	0.4449	2.4211	0.2068	3.0728	-0.006	-0.1221	0.3796	0.2514
1110	21.9	21.9	0.4449	2.4222	0.2063	3.0734	-0.0036	-0.1202	0.3764	0.2526
1111	21.9	21.7	0.4455	2.4228	0.2049	3.0733	-0.0079	-0.1153	0.3873	0.2642
1112	22.1	21.4	0.4456	2.4231	0.2039	3.0726	0.0013	-0.1163	0.386	0.271
1113	21.7	21.2	0.4456	2.4235	0.2033	3.0725	0.0071	-0.1	0.375	0.2821
1114	21.2	21	0.4466	2.4239	0.2017	3.0722	0.0105	-0.0749	0.3539	0.2895
1115	21	20.8	0.4445	2.4247	0.2029	3.072	0.0182	-0.0722	0.347	0.293
1116	21.1	20.5	0.4458	2.4249	0.2015	3.0722	0.044	-0.0727	0.3432	0.3145
1117	20.6	20.3	0.4468	2.4247	0.1994	3.0709	0.0728	-0.0827	0.3117	0.3019
1118	20.3	20.1	0.4446	2.4244	0.2011	3.0701	0.0839	-0.0841	0.2966	0.2963
1119	19	19.9	0.4458	2.4248	0.2	3.0706	0.0678	-0.0876	0.2959	0.2761
1120	19.2	19.7	0.4444	2.4253	0.1996	3.0693	0.0584	-0.088	0.2989	0.2692
1121	18.4	19.5	0.4446	2.4247	0.1995	3.0688	0.0511	-0.0889	0.3149	0.277
1122	18.6	19.3	0.4462	2.4247	0.1979	3.0688	0.0613	-0.0821	0.3099	0.2891
1123	18.8	19.1	0.4469	2.4239	0.1964	3.0673	0.0516	-0.0839	0.3107	0.2784
1124	18.5	19	0.446	2.4232	0.1966	3.0658	0.0622	-0.0895	0.3201	0.2929
1125	18.3	18.9	0.4465	2.4221	0.196	3.0646	0.085	-0.0771	0.2967	0.3046
1126	18.4	18.8	0.447	2.4219	0.1954	3.0643	0.0789	-0.0628	0.2888	0.3049
1127	18.1	18.7	0.4471	2.4221	0.195	3.0642	0.0642	-0.0682	0.2992	0.2953
1128	18.1	18.6	0.4482	2.4214	0.1949	3.0644	0.0407	-0.0723	0.3175	0.2858
1129	18.2	18.7	0.4501	2.421	0.1937	3.0648	0.0329	-0.0584	0.3178	0.2923
1130	18.3	18.7	0.4509	2.4204	0.1927	3.064	0.0232	-0.0418	0.3293	0.3107
1131	18.6	18.9	0.4505	2.4202	0.1929	3.0636	0.0097	-0.0355	0.3424	0.3167
1132	18.9	19	0.4501	2.4202	0.1933	3.0636	0.0268	-0.0391	0.3251	0.3128
1133	18.8	19.2	0.4503	2.4204	0.1932	3.0639	0.0444	-0.0463	0.3197	0.3178
1134	18.7	19.3	0.4509	2.4204	0.1924	3.0638	0.038	-0.0533	0.3304	0.3151
1135	18.9	19.5	0.4504	2.4209	0.1928	3.0641	0.0324	-0.0532	0.3246	0.3038
1136	18.9	19.7	0.45	2.4217	0.1928	3.0645	0.0191	-0.0579	0.3225	0.2837
1137	19.1	20	0.449	2.4223	0.1925	3.0638	0.0147	-0.0567	0.3166	0.2747
1138	19.9	20.2	0.4481	2.4226	0.1914	3.0621	0.0216	-0.0548	0.3054	0.2722

1139	20.6	20.5	0.4481	2.4228	0.1913	3.0622	0.0302	-0.0633	0.3122	0.2792
1140	20.9	20.7	0.4476	2.4224	0.1936	3.0636	0.0244	-0.0749	0.3344	0.2839
1141	21.1	20.9	0.4467	2.4218	0.1959	3.0644	0.0232	-0.0778	0.336	0.2813
1142	21.6	21.1	0.4471	2.4222	0.1953	3.0647	0.0269	-0.0828	0.3283	0.2723
1143	21.7	21.3	0.4479	2.4237	0.1928	3.0644	0.0297	-0.0789	0.3252	0.276
1144	21.6	21.6	0.4485	2.4243	0.1927	3.0654	0.0722	-0.0725	0.2738	0.2735
1145	22.9	21.8	0.4477	2.4245	0.1938	3.066	0.0748	-0.0811	0.2728	0.2665
1146	22.4	22.1	0.4481	2.4254	0.1926	3.0661	0.0796	-0.0888	0.2796	0.2704
1147	23.5	22.4	0.4486	2.4266	0.1907	3.0659	0.0774	-0.0894	0.2785	0.2665
1148	23.2	22.6	0.4481	2.4263	0.1911	3.0655	0.0782	-0.0954	0.2608	0.2436
1149	22.3	22.8	0.4474	2.426	0.1909	3.0643	0.0735	-0.1018	0.2598	0.2315
1150	22.3	23	0.4469	2.4259	0.1911	3.0639	0.062	-0.1062	0.2656	0.2214
1151	22.7	23.2	0.4466	2.426	0.1911	3.0636	0.0389	-0.106	0.2781	0.2111
1152	23	23.3	0.4449	2.4266	0.1913	3.0628	0.0371	-0.1038	0.2811	0.2144
1153	23.4	23.4	0.4456	2.427	0.1906	3.0632	0.0402	-0.0943	0.2846	0.2305
1154	23.3	23.5	0.4464	2.4281	0.1896	3.064	0.0478	-0.0921	0.2824	0.2381
1155	24.1	23.6	0.4468	2.429	0.1886	3.0644	0.0549	-0.0905	0.2848	0.2492
1156	24.3	23.6	0.4438	2.4299	0.1899	3.0636	0.053	-0.085	0.2965	0.2645
1157	24.5	23.7	0.4402	2.4303	0.192	3.0626	0.0629	-0.0784	0.292	0.2766
1158	24.9	23.7	0.441	2.4303	0.1905	3.0618	0.09	-0.0698	0.2702	0.2904
1159	24.4	23.8	0.4413	2.4298	0.1892	3.0603	0.0986	-0.0472	0.2673	0.3187
1160	24.2	23.8	0.4415	2.4294	0.1883	3.0591	0.0966	-0.0258	0.269	0.3398
1161	23.7	23.9	0.4414	2.4292	0.1878	3.0584	0.1042	-0.0144	0.2638	0.3537
1162	23.7	23.8	0.4414	2.428	0.1881	3.0576	0.1089	-0.0048	0.259	0.3632
1163	23.7	23.7	0.4406	2.4261	0.1905	3.0571	0.1078	0.0043	0.2554	0.3676
1164	24	23.6	0.44	2.4258	0.191	3.0568	0.1145	0.0124	0.2426	0.3695
1165	24	23.4	0.4379	2.4262	0.1908	3.055	0.1262	0.0199	0.2245	0.3706
1166	24.9	23.1	0.4361	2.4266	0.193	3.0556	0.0969	0.0248	0.2465	0.3682
1167	23.1	22.9	0.4357	2.4266	0.1937	3.0561	0.0978	0.0227	0.2741	0.3947
1168	23.7	22.6	0.4366	2.4269	0.193	3.0565	0.101	0.0082	0.2629	0.3722
1169	23	22.4	0.4362	2.4267	0.1926	3.0555	0.0677	0.0083	0.3009	0.3769
1170	23.2	22.2	0.4375	2.4255	0.1909	3.0539	0.0744	0.0136	0.3079	0.396
1171	21.7	22.1	0.4372	2.4252	0.1916	3.054	0.0574	0.0158	0.312	0.3852
1172	22	21.9	0.436	2.4251	0.1917	3.0528	0.0532	0.0111	0.3218	0.3861
1173	20.7	21.7	0.435	2.4247	0.192	3.0516	0.3808	-0.0792	0.3019	0.6035
1174	20.1	21.6	0.4332	2.4237	0.1931	3.0501	0.988	-0.2055	0.0912	0.8736
1175	20.3	21.4	0.4341	2.4232	0.1923	3.0496	0.64	0.018	-0.2982	0.3598

1176	19.6	21.1	0.4346	2.4235	0.1922	3.0502	0.6317	0.0053	-0.2821	0.3549
1177	20.3	21	0.4349	2.4237	0.1922	3.0508	0.6025	0.0167	-0.2735	0.3458
1178	20.7	20.8	0.4347	2.4241	0.1919	3.0508	0.5885	0.0338	-0.27	0.3523
1179	20.4	20.6	0.4363	2.4246	0.19	3.0509	0.5941	0.0355	-0.267	0.3626
1180	20.3	20.4	0.4381	2.4245	0.1882	3.0509	0.6121	0.0422	-0.2748	0.3795
1181	20.6	20.4	0.4364	2.4246	0.1895	3.0504	0.6166	0.0461	-0.2794	0.3834
1182	20.8	20.2	0.4349	2.4247	0.1903	3.0499	0.6141	0.0495	-0.2836	0.3799
1183	20.5	20.2	0.4359	2.4247	0.1893	3.0499	0.6178	0.0508	-0.2865	0.3821
1184	20.7	20.2	0.4358	2.4245	0.1897	3.05	0.6297	0.0478	-0.2866	0.3909
1185	20.3	20.1	0.4362	2.4247	0.1899	3.0508	0.6527	0.0327	-0.2988	0.3867
1186	19.6	20.2	0.4359	2.4248	0.19	3.0508	0.6615	0.0332	-0.3006	0.3941
1187	19.8	20.1	0.4354	2.4244	0.1906	3.0504	0.6564	0.0329	-0.2969	0.3924
1188	20.2	20.1	0.4347	2.4245	0.1905	3.0497	0.6564	0.0366	-0.3072	0.3858
1189	20	20	0.4352	2.4245	0.1887	3.0484	0.6497	0.0363	-0.3171	0.3689
1190	20.4	20	0.436	2.4246	0.1878	3.0484	0.6479	0.0428	-0.316	0.3747
1191	19.4	19.9	0.4361	2.425	0.1875	3.0486	0.6346	0.0355	-0.2973	0.3728
1192	19.3	19.9	0.4365	2.4248	0.1872	3.0485	0.6245	0.0202	-0.2826	0.3621
1193	20.2	19.9	0.4359	2.425	0.1877	3.0485	0.6225	0.0214	-0.291	0.353
1194	19.7	19.9	0.4366	2.4258	0.1865	3.049	0.6191	0.0319	-0.3124	0.3387
1195	20.3	19.9	0.4369	2.4261	0.1852	3.0482	0.6288	0.0425	-0.3102	0.3611
1196	19.4	19.9	0.4363	2.4259	0.1857	3.048	0.6305	0.0417	-0.2957	0.3765
1197	19.5	20	0.4356	2.426	0.187	3.0486	0.6339	0.0488	-0.307	0.3757
1198	19.5	20	0.4355	2.4265	0.1861	3.0481	0.6399	0.0598	-0.3281	0.3716
1199	19.6	20.2	0.4367	2.4271	0.1837	3.0475	0.6435	0.0543	-0.3253	0.3725
1200	19.8	20.3	0.4384	2.4274	0.1816	3.0474	0.6488	0.0465	-0.3287	0.3666
1201	20.2	20.4	0.4385	2.4279	0.1801	3.0465	0.65	0.0467	-0.3282	0.3685
1202	20.3	20.7	0.4388	2.4275	0.1786	3.0449	0.6471	0.0445	-0.3239	0.3678
1203	20.3	20.8	0.4388	2.4274	0.1777	3.0438	0.6293	0.0446	-0.3162	0.3576
1204	20.2	20.9	0.4383	2.4272	0.1773	3.0428	0.6332	0.0452	-0.3227	0.3557
1205	20.6	21	0.4389	2.4266	0.1764	3.0419	0.6396	0.0542	-0.3359	0.3579
1206	20.9	21.1	0.4381	2.426	0.1773	3.0414	0.6432	0.0617	-0.3421	0.3628
1207	21.4	21.2	0.4362	2.4254	0.1798	3.0414	0.6123	0.0668	-0.3196	0.3595
1208	22.1	21.3	0.4357	2.4244	0.18	3.0401	0.5802	0.064	-0.2957	0.3484
1209	22.3	21.3	0.4352	2.4237	0.1799	3.0388	0.5997	0.0576	-0.3133	0.344
1210	22.5	21.3	0.4345	2.4236	0.1799	3.038	0.6125	0.0483	-0.3274	0.3334
1211	23.5	21.3	0.4346	2.4233	0.179	3.0369	0.61	0.0413	-0.3259	0.3253
1212	22.9	21.3	0.4348	2.4227	0.1784	3.0359	0.6038	0.0385	-0.3258	0.3166

1213	21.6	21.3	0.4342	2.4223	0.1791	3.0355	0.6067	0.0262	-0.3232	0.3097
1214	22.1	21.2	0.434	2.4219	0.1792	3.0351	0.5878	0.0124	-0.2969	0.3032
1215	21.6	21.2	0.4348	2.4222	0.1782	3.0352	0.5646	0.0124	-0.2864	0.2906
1216	21.1	21.1	0.436	2.4226	0.1741	3.0327	0.5384	0.0128	-0.2932	0.258
1217	20.8	21	0.4367	2.4239	0.1731	3.0336	0.5338	0.0213	-0.2837	0.2714
1218	20.9	20.9	0.4379	2.4236	0.171	3.0324	0.5236	0.023	-0.2681	0.2785
1219	20.2	20.7	0.4383	2.4234	0.1692	3.031	0.5301	0.0257	-0.2662	0.2897
1220	19.8	20.6	0.4387	2.4237	0.1684	3.0308	0.5343	0.0271	-0.2668	0.2946
1221	20.1	20.5	0.4393	2.4236	0.1673	3.0302	0.5515	0.015	-0.2745	0.2921
1222	19.3	20.4	0.4081	2.4327	0.1677	3.0084	0.5429	0.0131	-0.2612	0.2948
1223	19.7	20.3	0.3481	2.4445	0.1873	2.9799	0.5359	0.0138	-0.2625	0.2872
1224	19.5	20.2	0.382	2.4214	0.2264	3.0298	0.5234	0.0107	-0.2566	0.2775
1225	19	20	0.3833	2.4215	0.2242	3.0291	0.5107	0.0016	-0.2457	0.2666
1226	19.6	19.9	0.3867	2.4202	0.2228	3.0297	0.5212	-0.0032	-0.2546	0.2633
1227	19.8	19.8	0.3882	2.4187	0.222	3.029	0.5242	-0.0004	-0.2488	0.275
1228	20.2	19.7	0.3888	2.4178	0.2216	3.0281	0.5295	0.0021	-0.2441	0.2875
1229	20.6	19.7	0.3889	2.4168	0.2211	3.0268	0.5395	0.0028	-0.2474	0.2949
1230	20.8	19.6	0.3892	2.4158	0.2207	3.0256	0.5659	-0.001	-0.2572	0.3077
1231	20.8	19.5	0.3891	2.4153	0.2213	3.0256	0.5955	-0.0031	-0.2702	0.3222
1232	20.1	19.4	0.3883	2.4151	0.222	3.0254	0.5864	0.0017	-0.2547	0.3334
1233	19.4	19.3	0.3873	2.4156	0.2218	3.0248	0.5651	0.0039	-0.2321	0.3369
1234	19	19.1	0.3857	2.4172	0.2223	3.0251	0.5619	0.0085	-0.2281	0.3423
1235	19.1	19	0.3843	2.4176	0.2228	3.0247	0.5611	0.0139	-0.2255	0.3495
1236	18.8	18.8	0.3844	2.4184	0.2225	3.0253	0.5776	0.0198	-0.2278	0.3696
1237	19	18.6	0.3834	2.4186	0.2232	3.0252	0.5779	0.0265	-0.2172	0.3871
1238	18.8	18.4	0.3831	2.4189	0.2231	3.0252	0.5728	0.0298	-0.2053	0.3973
1239	18.4	18.1	0.3833	2.4185	0.2229	3.0247	0.5698	0.039	-0.2079	0.401
1240	17.9	17.8	0.3841	2.4189	0.2234	3.0264	0.566	0.0517	-0.2223	0.3954
1241	17.9	17.6	0.3843	2.4197	0.2241	3.0282	0.5836	0.0549	-0.2285	0.41
1242	17.4	17.4	0.3849	2.4201	0.2244	3.0294	0.5968	0.052	-0.2309	0.4178
1243	16.4	17.2	0.386	2.4205	0.224	3.0305	0.6093	0.0462	-0.2412	0.4143
1244	16.4	17.1	0.3856	2.42	0.2237	3.0293	0.6183	0.0558	-0.2461	0.4279
1245	15.9	17	0.3846	2.4203	0.2234	3.0283	0.621	0.0674	-0.248	0.4403
1246	16.1	17	0.3847	2.4205	0.2233	3.0285	0.6122	0.0704	-0.2456	0.437
1247	16.1	17	0.3846	2.4206	0.2235	3.0287	0.6037	0.0714	-0.2269	0.4482
1248	15.7	16.9	0.3838	2.4209	0.2236	3.0283	0.5986	0.0708	-0.2134	0.4559
1249	15.5	17	0.3825	2.4213	0.2238	3.0276	0.5852	0.079	-0.2175	0.4467

1250	16.1	17.1	0.3819	2.4212	0.2239	3.027	0.5906	0.0892	-0.2406	0.4391
1251	16.2	17.2	0.3819	2.4216	0.2234	3.0269	0.6136	0.1016	-0.2596	0.4556
1252	16.5	17.4	0.3819	2.4222	0.2229	3.027	0.6141	0.1081	-0.2694	0.4528
1253	16.5	17.8	0.3823	2.4225	0.2229	3.0277	0.622	0.1081	-0.2846	0.4454
1254	17.5	18.1	0.3824	2.4226	0.2232	3.0282	0.6246	0.1041	-0.2913	0.4375
1255	18.6	18.5	0.3825	2.4228	0.2228	3.0281	0.6169	0.0912	-0.286	0.422
1256	18.4	18.8	0.3825	2.4232	0.2219	3.0276	0.6269	0.0811	-0.2871	0.4209
1257	18	19	0.3822	2.4239	0.2216	3.0277	0.6275	0.0812	-0.2835	0.4252
1258	19	19.2	0.381	2.4246	0.2218	3.0274	0.6228	0.0868	-0.2679	0.4417
1259	20	19.5	0.3801	2.425	0.2219	3.027	0.6293	0.079	-0.2691	0.4391
1260	21	19.7	0.3805	2.4252	0.2209	3.0266	0.6212	0.0742	-0.2687	0.4266
1261	21.4	19.9	0.381	2.4254	0.2203	3.0267	0.6126	0.0676	-0.2733	0.4069
1262	22.6	20.1	0.3808	2.4254	0.2205	3.0266	0.6167	0.062	-0.2845	0.3942
1263	22.7	20.3	0.3818	2.4248	0.2202	3.0268	0.6144	0.0534	-0.2867	0.3811
1264	22.8	20.3	0.3835	2.4246	0.2197	3.0278	0.6098	0.0485	-0.2774	0.3809
1265	21.9	20.3	0.3841	2.425	0.2201	3.0292	0.609	0.0452	-0.2722	0.3821
1266	20.8	20.3	0.3827	2.4244	0.2213	3.0285	0.6278	0.0399	-0.2777	0.3899
1267	20	20.3	0.3834	2.4243	0.2205	3.0282	0.6356	0.0349	-0.3167	0.3538
1268	20.5	20.2	0.3836	2.4243	0.2196	3.0275	0.6245	0.0394	-0.3126	0.3512
1269	20.3	20.2	0.3828	2.424	0.2193	3.0261	0.6192	0.0445	-0.3265	0.3371
1270	19.8	20.1	0.3823	2.424	0.2184	3.0247	0.6287	0.0406	-0.3389	0.3305
1271	20.6	20	0.3829	2.4239	0.2177	3.0246	0.6281	0.0432	-0.3449	0.3263
1272	19	19.9	0.3824	2.4237	0.218	3.0241	0.6383	0.0379	-0.3505	0.3257
1273	18.5	19.7	0.3826	2.4236	0.2177	3.0239	0.3361	0.129	-0.3473	0.1178
1274	18.1	19.6	0.3821	2.4236	0.2177	3.0234	-0.2604	0.2466	-0.1501	-0.1639
1275	17.8	19.5	0.382	2.4235	0.2178	3.0233	0.0786	0.0063	0.2449	0.3298
1276	18.2	19.4	0.3822	2.4235	0.2171	3.0227	0.0916	-0.0024	0.2255	0.3147
1277	18.2	19.4	0.382	2.4235	0.2166	3.0221	0.1225	-0.0227	0.2144	0.3142
1278	19	19.4	0.3808	2.4239	0.2167	3.0213	0.1394	-0.0418	0.2152	0.3128
1279	19.5	19.4	0.3797	2.4247	0.2157	3.0202	0.1396	-0.0544	0.2149	0.3001
1280	19.5	19.4	0.3786	2.4248	0.2152	3.0186	0.1439	-0.0658	0.2201	0.2983
1281	20.1	19.4	0.3778	2.4244	0.215	3.0171	0.1482	-0.0766	0.2209	0.2924
1282	20.1	19.4	0.3784	2.4243	0.2135	3.0162	0.1448	-0.0843	0.2292	0.2897
1283	20.1	19.4	0.3797	2.4239	0.2121	3.0157	0.1263	-0.0863	0.2403	0.2802
1284	20.1	19.5	0.3797	2.4231	0.2122	3.0151	0.1109	-0.0792	0.2375	0.2692
1285	19.9	19.6	0.3784	2.4227	0.2127	3.0138	0.0932	-0.0708	0.2372	0.2596
1286	19.9	19.6	0.3781	2.4222	0.2118	3.0121	0.0708	-0.0713	0.2435	0.2429

1287	19.5	19.6	0.3781	2.4214	0.2112	3.0107	0.0749	-0.0639	0.2491	0.26
1288	20.5	19.6	0.3777	2.4206	0.2113	3.0096	0.0636	-0.0612	0.2692	0.2716
1289	20.2	19.6	0.3786	2.4193	0.2109	3.0089	0.0671	-0.0523	0.2748	0.2896
1290	19.6	19.5	0.3777	2.4191	0.2106	3.0074	0.0745	-0.0574	0.276	0.2931
1291	19.9	19.4	0.3764	2.4198	0.2106	3.0068	0.089	-0.0477	0.2844	0.3257
1292	19.2	19.4	0.3756	2.4202	0.2113	3.0071	0.089	-0.0347	0.2944	0.3487
1293	19.6	19.3	0.374	2.4194	0.2123	3.0057	0.1017	-0.0281	0.3019	0.3755
1294	18.7	19.2	0.3746	2.4191	0.2113	3.005	0.1168	-0.0194	0.3072	0.4045
1295	18.6	19.1	0.3757	2.419	0.2098	3.0045	0.1323	-0.0329	0.3067	0.4061
1296	19.1	19.1	0.376	2.4188	0.2084	3.0032	0.1279	-0.0295	0.3026	0.401
1297	18.7	19	0.3758	2.4189	0.2084	3.003	0.1294	-0.0237	0.3062	0.4119
1298	18.7	19	0.377	2.4186	0.2078	3.0034	0.1363	-0.0168	0.3092	0.4287
1299	18.5	18.9	0.3777	2.4181	0.2077	3.0035	0.1316	-0.0126	0.3129	0.4319
1300	18.4	18.9	0.377	2.4173	0.2075	3.0019	0.1122	-0.0019	0.312	0.4223
1301	18.4	18.9	0.3771	2.4171	0.2071	3.0012	0.0965	0.0011	0.3177	0.4153
1302	18.3	19	0.3766	2.4167	0.2071	3.0004	0.0826	0.0123	0.3175	0.4124
1303	18.7	19	0.3763	2.4169	0.2068	3	0.071	0.0205	0.3162	0.4077
1304	18.9	19.1	0.3767	2.4181	0.2059	3.0006	0.0781	0.0223	0.3202	0.4207
1305	18.7	19.2	0.3762	2.4185	0.2051	2.9999	0.0847	0.0245	0.3291	0.4382
1306	18.7	19.2	0.3754	2.4179	0.2057	2.9989	0.0865	0.026	0.3279	0.4404
1307	19.2	19.3	0.3739	2.4168	0.2066	2.9972	0.0931	0.0303	0.3165	0.4399
1308	19.4	19.3	0.3728	2.4165	0.2069	2.9961	0.0954	0.0431	0.314	0.4525
1309	19.8	19.3	0.3731	2.4163	0.2067	2.9962	0.0877	0.0573	0.3171	0.4621
1310	19.8	19.3	0.3732	2.4168	0.2073	2.9973	0.0849	0.0609	0.3232	0.4691
1311	20.1	19.2	0.3729	2.4171	0.2075	2.9975	0.0942	0.0623	0.3168	0.4733
1312	20.4	19.2	0.3733	2.4174	0.2071	2.9978	0.1025	0.0662	0.3095	0.4782
1313	20	19.1	0.3732	2.4174	0.2068	2.9974	0.1032	0.0694	0.3101	0.4827
1314	20.7	18.9	0.3731	2.4174	0.2064	2.9969	0.1199	0.0631	0.3076	0.4906
1315	19.8	18.8	0.372	2.4182	0.206	2.9962	0.1391	0.0571	0.3051	0.5013
1316	20.4	18.7	0.3724	2.4191	0.2058	2.9973	0.1373	0.0577	0.3125	0.5074
1317	18.9	18.5	0.3742	2.4199	0.2044	2.9985	0.1158	0.0492	0.3256	0.4906
1318	18.4	18.4	0.3759	2.4191	0.2036	2.9987	0.119	0.0439	0.3194	0.4823
1319	17.9	18.3	0.3755	2.4194	0.2031	2.9979	0.1213	0.0391	0.3113	0.4717
1320	17.4	18.2	0.3758	2.4194	0.2029	2.9981	0.1115	0.0288	0.3117	0.4519
1321	16.8	18.2	0.3754	2.4198	0.2024	2.9976	0.1077	0.0239	0.304	0.4356
1322	16.8	18.1	0.3745	2.4198	0.2024	2.9966	0.1212	0.0197	0.2976	0.4385
1323	16.1	18.1	0.3741	2.4198	0.2023	2.9963	0.1105	0.0219	0.3105	0.4429

1324	16.5	18.1	0.3741	2.4208	0.202	2.9969	0.1144	0.0201	0.3082	0.4428
1325	16.3	18.1	0.3742	2.4218	0.2017	2.9976	0.1182	0.0147	0.318	0.4508
1326	16.6	18.1	0.3745	2.4225	0.2013	2.9983	0.1147	0.0222	0.3201	0.457
1327	17	18.2	0.3743	2.4229	0.2005	2.9977	0.118	0.0252	0.3129	0.4561
1328	18	18.4	0.3748	2.4232	0.2001	2.9981	0.1071	0.0276	0.3143	0.4491
1329	18.3	18.5	0.3745	2.4233	0.1991	2.997	0.1008	0.0313	0.3128	0.4449
1330	18.6	18.7	0.3744	2.4234	0.1986	2.9964	0.0892	0.0332	0.3123	0.4347
1331	19.9	18.9	0.3746	2.4237	0.1984	2.9966	0.0749	0.0331	0.3054	0.4134
1332	20.2	19.1	0.3757	2.4237	0.198	2.9974	0.0705	0.0308	0.3065	0.4078
1333	20.2	19.2	0.3762	2.4236	0.1981	2.9979	0.0758	0.0349	0.2901	0.4008
1334	20	19.4	0.3763	2.4242	0.1986	2.9992	0.093	0.0319	0.276	0.4008
1335	20.7	19.5	0.3772	2.4247	0.1985	3.0004	0.0948	0.0252	0.286	0.406
1336	21	19.7	0.3769	2.4248	0.1976	2.9993	0.0812	0.0171	0.294	0.3923
1337	20.5	19.8	0.377	2.4247	0.1963	2.9981	0.0775	0.0145	0.2817	0.3737
1338	21	19.9	0.3764	2.4242	0.1957	2.9962	0.0762	0.0133	0.2815	0.3711
1339	21.2	20	0.3758	2.4243	0.1953	2.9954	0.0748	0.0013	0.2837	0.3599
1340	20.4	20	0.3752	2.4236	0.1949	2.9938	0.0797	-0.0125	0.2865	0.3537
1341	20.1	20	0.3754	2.4232	0.1947	2.9933	0.0736	-0.009	0.2852	0.3498
1342	19.2	20	0.3747	2.4229	0.1942	2.9918	0.0652	0.0048	0.283	0.353
1343	18.7	19.9	0.3743	2.4224	0.1933	2.99	0.0478	-0.0002	0.2912	0.3388
1344	19.5	19.8	0.3723	2.4233	0.193	2.9887	0.0382	-0.0092	0.3006	0.3296
1345	19	19.7	0.3718	2.4233	0.1931	2.9882	0.0415	-0.011	0.2973	0.3278
1346	19.8	19.5	0.3718	2.4229	0.1927	2.9873	0.0499	-0.0107	0.2939	0.3331
1347	19.9	19.4	0.371	2.4223	0.1926	2.9859	0.0537	-0.0114	0.2742	0.3165
1348	19.9	19.2	0.3706	2.4221	0.1923	2.9851	0.0427	-0.0149	0.2746	0.3024
1349	19.7	19.1	0.3713	2.4215	0.1926	2.9854	0.0578	-0.0252	0.2784	0.311
1350	19.2	19	0.3722	2.4211	0.1921	2.9855	0.0833	-0.0355	0.2842	0.332
1351	19.1	19	0.3736	2.4203	0.1917	2.9856	0.108	-0.0566	0.2804	0.3319
1352	18.5	19	0.3748	2.4201	0.1913	2.9862	0.1077	-0.0604	0.2812	0.3285
1353	18.5	19	0.3745	2.4203	0.1909	2.9856	0.1019	-0.0601	0.292	0.3338
1354	18.3	19	0.3739	2.4202	0.1903	2.9844	0.1008	-0.0548	0.2963	0.3423
1355	17.9	19	0.3739	2.4202	0.19	2.9841	0.0974	-0.0431	0.2903	0.3446
1356	17.8	18.9	0.3732	2.4202	0.1903	2.9836	0.0884	-0.035	0.2921	0.3456
1357	18.3	18.8	0.3727	2.4196	0.1902	2.9825	0.0704	-0.034	0.3086	0.3451
1358	18.7	18.6	0.3722	2.4189	0.1901	2.9812	0.0467	-0.0389	0.3178	0.3256
1359	19.1	18.5	0.3716	2.4189	0.1896	2.9801	0.0322	-0.0422	0.3189	0.3089
1360	19.5	18.4	0.3711	2.419	0.1892	2.9793	0.0304	-0.0482	0.3214	0.3036

1361	19.1	18.3	0.3708	2.4188	0.1894	2.9789	0.0243	-0.0487	0.3425	0.3181
1362	18.9	18.2	0.3705	2.4185	0.1895	2.9784	0.0263	-0.0469	0.3397	0.3191
1363	19.1	18.1	0.3698	2.4185	0.1894	2.9777	0.0431	-0.0383	0.3338	0.3386
1364	18.8	18	0.3696	2.4189	0.1891	2.9777	0.0379	-0.0162	0.3345	0.3563
1365	18.6	17.9	0.3703	2.4192	0.1889	2.9784	0.0344	-0.0093	0.3335	0.3585
1366	18	17.8	0.3711	2.4195	0.1888	2.9794	0.0191	0.0018	0.3332	0.3542
1367	17.2	17.6	0.3715	2.4199	0.1886	2.98	0.0187	0.0116	0.3389	0.3691
1368	17.6	17.5	0.3715	2.4204	0.1885	2.9803	0.0255	0.0253	0.3312	0.3821
1369	17.6	17.3	0.3716	2.4211	0.1881	2.9809	0.0279	0.0234	0.3343	0.3856
1370	16.7	17.2	0.3716	2.4216	0.188	2.9811	0.0167	0.0318	0.3241	0.3726
1371	16.9	17.1	0.3708	2.4219	0.188	2.9807	0.0162	0.0419	0.3232	0.3812
1372	16.8	17.1	0.3714	2.4215	0.1869	2.9798	0.0097	0.056	0.3229	0.3886
1373	16.3	17.1	0.3712	2.4216	0.1869	2.9796	0.0049	0.054	0.322	0.3809
1374	15.5	17	0.3703	2.4221	0.1859	2.9783	0.0126	0.0507	0.3156	0.3789
1375	15	17	0.3705	2.4213	0.1858	2.9776	0.0286	0.0579	0.3034	0.3899
1376	15.6	17	0.3704	2.421	0.1858	2.9771	0.04	0.0655	0.2957	0.4011
1377	16.3	17	0.3713	2.4207	0.1852	2.9772	0.0486	0.0719	0.294	0.4145
1378	16.3	17.1	0.3707	2.4207	0.1854	2.9768	0.0507	0.0756	0.2924	0.4187
1379	16.9	17.1	0.3708	2.4214	0.1845	2.9767	0.0526	0.0728	0.2942	0.4197
1380	17.6	17.2	0.3711	2.4215	0.1847	2.9773	0.046	0.0707	0.29	0.4067
1381	17.7	17.3	0.3707	2.4213	0.1843	2.9763	0.0355	0.0719	0.2997	0.4071
1382	18.8	17.4	0.3708	2.4208	0.1845	2.9761	0.0299	0.0757	0.3034	0.409
1383	18.1	17.5	0.3704	2.4207	0.1845	2.9756	0.0458	0.0746	0.2988	0.4193
1384	18.2	17.6	0.3702	2.4206	0.1836	2.9745	0.0514	0.0726	0.3086	0.4326
1385	18	17.8	0.3703	2.421	0.1833	2.9746	0.0497	0.0849	0.311	0.4457
1386	17.9	17.9	0.3704	2.4207	0.1836	2.9747	0.0436	0.0894	0.3163	0.4493
1387	18.6	18.1	0.3705	2.4201	0.183	2.9736	0.048	0.0861	0.2991	0.4331
1388	17.6	18.2	0.3702	2.4205	0.1829	2.9736	0.0606	0.0792	0.2921	0.4319
1389	19	18.3	0.3706	2.4206	0.1823	2.9735	0.0637	0.079	0.2822	0.4249
1390	18.5	18.4	0.3703	2.42	0.1821	2.9724	0.0708	0.0832	0.2714	0.4254
1391	18.1	18.4	0.3699	2.4193	0.1823	2.9715	0.0669	0.0717	0.2715	0.4101
1392	18	18.4	0.3708	2.4202	0.1822	2.9732	0.0529	0.076	0.2841	0.413
1393	17.9	18.5	0.3702	2.4203	0.1823	2.9728	0.0356	0.0755	0.2875	0.3987
1394	19	18.5	0.3704	2.4202	0.1816	2.9722	0.0244	0.0699	0.282	0.3763
1395	18.2	18.6	0.3707	2.4201	0.1804	2.9712	0.004	0.0824	0.2846	0.3709
1396	19.1	18.7	0.3706	2.4199	0.181	2.9715	-0.0052	0.0866	0.2851	0.3664
1397	18.6	18.7	0.3715	2.4204	0.1809	2.9728	-0.0087	0.077	0.2801	0.3484

1398	19.1	18.8	0.3712	2.4211	0.18	2.9723	-0.0101	0.0642	0.2738	0.3279
1399	19	18.8	0.3693	2.4217	0.1793	2.9703	0.0108	0.0612	0.2637	0.3357
1400	18.3	18.8	0.3662	2.4229	0.1795	2.9687	0.0287	0.0539	0.2598	0.3425
1401	19.1	18.9	0.3663	2.4231	0.1789	2.9683	0.0364	0.0533	0.2519	0.3416
1402	18.8	18.9	0.3664	2.4227	0.1779	2.967	0.0474	0.047	0.2476	0.342
1403	18.7	18.9	0.3662	2.4224	0.1772	2.9658	0.0524	0.0422	0.2512	0.3458
1404	19.4	18.9	0.3669	2.4224	0.1768	2.9662	0.0434	0.0411	0.2507	0.3352
1405	19.9	18.9	0.3674	2.422	0.1759	2.9653	0.0329	0.0338	0.2494	0.316
1406	19.7	18.8	0.3683	2.4213	0.1748	2.9644	0.0262	0.0344	0.2508	0.3114
1407	19.5	18.7	0.3692	2.4206	0.1748	2.9647	0.0182	0.0333	0.2594	0.311
1408	18.9	18.7	0.3696	2.4207	0.175	2.9653	0.0127	0.0261	0.2657	0.3045
1409	18.3	18.6	0.3701	2.4211	0.1746	2.9658	0.0074	0.0088	0.265	0.2812
1410	19.2	18.6	0.3708	2.4217	0.173	2.9655	0.0014	-0.003	0.2606	0.259
1411	18.3	18.5	0.3703	2.4218	0.1735	2.9656	-0.0024	-0.0163	0.2595	0.2408
1412	18.2	18.4	0.369	2.4212	0.1737	2.9639	0.0019	-0.0267	0.2601	0.2353
1413	18.2	18.3	0.3694	2.419	0.1734	2.9618	0.01	-0.0304	0.2671	0.2467
1414	18	18.2	0.3697	2.4183	0.1731	2.9611	0.006	-0.03	0.2768	0.2528
1415	17.7	18.1	0.3701	2.418	0.1727	2.9608	0.0121	-0.0319	0.2745	0.2546
1416	17.8	18	0.3706	2.418	0.1719	2.9604	0.0214	-0.0268	0.273	0.2677
1417	17.6	18	0.3717	2.4174	0.1712	2.9603	0.0301	-0.0181	0.2734	0.2854
1418	17.8	18	0.3731	2.4168	0.1702	2.9601	0.0346	-0.0078	0.2783	0.305
1419	17.7	18.1	0.3738	2.4162	0.1707	2.9607	0.0408	0.0031	0.2784	0.3223
1420	17.1	18.2	0.3742	2.4152	0.1706	2.96	0.0435	0.0106	0.2735	0.3276
1421	17	18.2	0.3744	2.4142	0.1701	2.9588	0.0457	0.0123	0.2729	0.3309
1422	16.9	18.3	0.374	2.4144	0.1702	2.9586	0.0497	0.014	0.2755	0.3391
1423	17.6	18.4	0.3729	2.4148	0.1708	2.9584	0.0664	0.0106	0.2698	0.3468
1424	17.9	18.4	0.3712	2.415	0.1716	2.9579	0.0802	0.0081	0.2655	0.3538
1425	18.1	18.4	0.3702	2.4152	0.1721	2.9575	0.0772	0.0142	0.2466	0.338
1426	18.8	18.4	0.3696	2.4153	0.1719	2.9568	0.0706	0.0102	0.245	0.3257
1427	19.4	18.5	0.3692	2.4154	0.1713	2.9558	0.0678	0.0119	0.2425	0.3222
1428	20.1	18.5	0.3695	2.416	0.1706	2.9561	0.0812	0.0126	0.2363	0.3301
1429	20.7	18.5	0.3699	2.4163	0.1701	2.9563	0.0725	0.0144	0.2426	0.3294
1430	19.7	18.6	0.3708	2.4162	0.1686	2.9557	0.0598	0.0352	0.239	0.334
1431	19.4	18.6	0.3716	2.4161	0.168	2.9557	0.0547	0.0475	0.2436	0.3458
1432	19.5	18.6	0.3711	2.4163	0.1681	2.9555	0.065	0.0484	0.2323	0.3457
1433	18.7	18.7	0.3711	2.4163	0.1672	2.9546	0.0785	0.0456	0.2318	0.356
1434	18.5	18.7	0.3714	2.4157	0.1675	2.9546	0.0746	0.0378	0.2442	0.3566

1435	17.8	18.7	0.3728	2.4158	0.1668	2.9555	0.0628	0.04	0.2456	0.3483
1436	18.3	18.7	0.3721	2.4162	0.1677	2.956	0.057	0.0504	0.2412	0.3487
1437	18.5	18.7	0.371	2.4168	0.1671	2.9549	0.057	0.0445	0.2467	0.3482
1438	18.1	18.6	0.37	2.4163	0.1674	2.9538	0.0532	0.0347	0.2516	0.3395
1439	17.7	18.5	0.3688	2.416	0.1682	2.9529	0.0367	0.0388	0.2612	0.3367
1440	18.2	18.5	0.3685	2.4165	0.1678	2.9528	0.0371	0.0443	0.2536	0.335
1441	17.3	18.4	0.3701	2.4156	0.1663	2.952	0.0366	0.0416	0.2449	0.3232
1442	17.9	18.4	0.3711	2.4153	0.1655	2.9519	0.0295	0.0351	0.2532	0.3177
1443	18.4	18.4	0.3719	2.4154	0.1651	2.9524	0.0407	0.0299	0.254	0.3246
1444	18.2	18.5	0.372	2.4151	0.1646	2.9516	0.0253	0.0241	0.2597	0.3091
1445	19	18.6	0.3723	2.4146	0.1646	2.9516	0.037	0.021	0.2521	0.3101
1446	19	18.7	0.3726	2.4152	0.1647	2.9525	0.0401	0.0215	0.248	0.3095
1447	18.8	18.7	0.372	2.4159	0.1652	2.9531	0.0418	0.0273	0.2517	0.3209
1448	18.7	18.7	0.3695	2.416	0.166	2.9515	0.0592	0.0368	0.2464	0.3424
1449	18.6	18.7	0.3684	2.4161	0.1666	2.9511	0.0538	0.0505	0.2311	0.3355
1450	18.5	18.6	0.3686	2.4158	0.167	2.9513	0.0535	0.0581	0.2118	0.3234
1451	18.9	18.6	0.3689	2.4156	0.1669	2.9514	0.0314	0.059	0.2092	0.2996
1452	19.6	18.5	0.3696	2.4159	0.1662	2.9517	0.0201	0.0477	0.2173	0.2852
1453	19.8	18.3	0.3701	2.4161	0.1658	2.9521	0.0187	0.0422	0.2134	0.2744
1454	19.6	18.1	0.3707	2.4168	0.1653	2.9528	0.0275	0.0351	0.2065	0.2691
1455	19.6	17.9	0.3712	2.4168	0.165	2.953	0.0328	0.032	0.2114	0.2762
1456	19.2	17.7	0.3714	2.4168	0.1643	2.9525	0.03	0.0291	0.2126	0.2717
1457	18.3	17.5	0.3714	2.417	0.1636	2.952	0.0364	0.021	0.2068	0.2642
1458	18.1	17.3	0.3715	2.418	0.1636	2.953	0.0509	0.0111	0.2093	0.2713
1459	16.7	17.1	0.3714	2.4192	0.1635	2.9542	0.0603	0.0085	0.2109	0.2796
1460	16.7	17.1	0.3713	2.4206	0.1632	2.9552	0.0674	0.012	0.2056	0.285
1461	15.2	17	0.3706	2.4214	0.1634	2.9554	0.0733	0.019	0.1933	0.2857
1462	14.7	17	0.3695	2.4215	0.1627	2.9537	0.0632	0.0203	0.2005	0.2841
1463	15	17	0.3692	2.4215	0.1617	2.9524	0.0474	0.0174	0.2036	0.2683
1464	15.1	17	0.3684	2.4221	0.1617	2.9522	0.0519	-0.0009	0.2068	0.2578
1465	14.9	17	0.3682	2.4219	0.1616	2.9517	0.056	-0.0094	0.2067	0.2533
1466	15	17	0.3681	2.4213	0.1614	2.9509	0.0661	-0.0116	0.2064	0.261
1467	14.6	17.1	0.368	2.4207	0.1608	2.9495	0.0681	-0.0121	0.2091	0.2652
1468	16.2	17.1	0.3674	2.4201	0.1606	2.9481	0.0793	-0.0187	0.2054	0.2659
1469	17.1	17.2	0.3673	2.4201	0.1608	2.9481	0.0936	-0.0165	0.2011	0.2782
1470	18.4	17.3	0.367	2.4204	0.1607	2.9481	0.0964	-0.0174	0.2121	0.2911
1471	18.7	17.5	0.3659	2.4205	0.1604	2.9468	0.0956	-0.0242	0.2175	0.2889

1472	19.4	17.6	0.3648	2.4204	0.1599	2.9451	0.0849	-0.034	0.216	0.2669
1473	19.9	17.8	0.3632	2.4208	0.1603	2.9442	0.068	-0.0245	0.2119	0.2554
1474	19.9	17.9	0.3626	2.4207	0.1612	2.9445	0.0573	-0.02	0.2086	0.2459
1475	19.4	18	0.3634	2.4203	0.1613	2.945	0.0352	-0.0113	0.2164	0.2403
1476	19.5	18.2	0.3636	2.4198	0.1615	2.9449	0.0213	-0.0129	0.2238	0.2321
1477	19.4	18.3	0.3631	2.4194	0.1616	2.9442	0.0142	-0.0133	0.2192	0.2201
1478	18.5	18.4	0.3635	2.4193	0.1611	2.9439	0.0167	-0.0165	0.2085	0.2087
1479	18.2	18.4	0.3648	2.4179	0.1606	2.9433	0.026	-0.0191	0.206	0.213
1480	18	18.4	0.3656	2.4168	0.1603	2.9427	0.04	-0.0123	0.1998	0.2275
1481	17.7	18.4	0.3642	2.4165	0.1611	2.9418	0.0476	-0.0188	0.1867	0.2155
1482	17.7	18.4	0.3629	2.4163	0.1613	2.9405	0.0535	-0.0262	0.1811	0.2084
1483	17.9	18.3	0.363	2.4169	0.1601	2.94	0.0494	-0.0234	0.1778	0.2038
1484	17.2	18.2	0.3639	2.4166	0.1591	2.9396	0.0479	-0.0274	0.1683	0.1888
1485	17.2	18.2	0.3646	2.4159	0.1592	2.9397	0.0602	-0.0371	0.1703	0.1935
1486	17.5	18.1	0.3647	2.4163	0.1589	2.9399	0.0934	-0.0429	0.1621	0.2125
1487	17.5	18.1	0.3652	2.4166	0.1578	2.9397	0.0922	-0.0422	0.175	0.2249
1488	18.5	18.1	0.3665	2.4166	0.1568	2.9399	0.0777	-0.0395	0.1752	0.2135
1489	18.2	18.2	0.3669	2.4162	0.1569	2.94	0.0634	-0.0461	0.1787	0.196
1490	18.3	18.2	0.3666	2.4158	0.1576	2.9401	0.0614	-0.0522	0.1561	0.1653
1491	18.1	18.3	0.367	2.4158	0.157	2.9397	0.0827	-0.0508	0.1218	0.1537
1492	18.6	18.3	0.3667	2.4172	0.1568	2.9407	0.1095	-0.0598	0.1045	0.1542
1493	18.5	18.4	0.3677	2.4179	0.1563	2.9419	0.1188	-0.0641	0.0908	0.1455
1494	18.4	18.5	0.3667	2.4181	0.1564	2.9412	0.1253	-0.0655	0.0828	0.1426
1495	18.6	18.5	0.3667	2.418	0.1556	2.9403	0.126	-0.0661	0.0798	0.1397
1496	18.9	18.6	0.3664	2.4172	0.1558	2.9394	0.1322	-0.0691	0.0817	0.1448
1497	19.3	18.6	0.3656	2.4167	0.1563	2.9385	0.142	-0.0653	0.0843	0.1609
1498	19.1	18.6	0.3658	2.416	0.1569	2.9388	0.1456	-0.0567	0.0905	0.1794
1499	19	18.6	0.364	2.4159	0.1581	2.938	0.1235	-0.0578	0.1021	0.1678
1500	18.5	18.6	0.3631	2.417	0.1586	2.9387	0.111	-0.0631	0.1195	0.1673
1501	18.9	18.6	0.3643	2.4183	0.1572	2.9398	0.1123	-0.0684	0.1303	0.1742
1502	18.7	18.6	0.3645	2.4185	0.1566	2.9396	0.1167	-0.0648	0.1327	0.1846
1503	18.9	18.5	0.3635	2.4189	0.1565	2.9389	0.1218	-0.0622	0.1295	0.1891
1504	18.9	18.5	0.3636	2.4192	0.1557	2.9385	0.127	-0.0613	0.1285	0.1942
1505	18.3	18.5	0.3644	2.4191	0.1546	2.9381	0.1301	-0.0556	0.1317	0.2062
1506	18.2	18.4	0.3647	2.4192	0.1541	2.938	0.1362	-0.0556	0.1329	0.2136
1507	17.9	18.3	0.3641	2.4195	0.1539	2.9375	0.1448	-0.0574	0.1212	0.2086
1508	18.1	18.2	0.3636	2.4198	0.1539	2.9373	0.1469	-0.0597	0.1116	0.1988

1509	18.3	18.2	0.3633	2.4199	0.154	2.9373	0.1241	-0.0458	0.1152	0.1935
1510	18.2	18.1	0.3635	2.4198	0.1537	2.9369	0.096	-0.0355	0.1214	0.182
1511	18.1	18	0.364	2.4197	0.1535	2.9372	0.0747	-0.0225	0.1248	0.177
1512	18	17.9	0.3643	2.4195	0.1533	2.9371	0.0677	-0.0127	0.1239	0.1789
1513	17.7	17.8	0.3642	2.4191	0.1527	2.936	0.0727	-0.012	0.1164	0.177
1514	17.6	17.7	0.3641	2.4193	0.1524	2.9357	0.0805	-0.0121	0.1043	0.1727
1515	17.5	17.6	0.3635	2.4192	0.152	2.9347	0.0823	-0.0079	0.1065	0.1809
1516	17.6	17.6	0.3638	2.4192	0.151	2.9339	0.0699	-0.0084	0.1131	0.1746
1517	18	17.5	0.3637	2.4193	0.1507	2.9337	0.0603	-0.0149	0.1118	0.1572
1518	17.9	17.5	0.3638	2.4184	0.1501	2.9323	0.0641	-0.0237	0.102	0.1424
1519	17.1	17.4	0.3642	2.4179	0.1495	2.9316	0.0769	-0.0338	0.0969	0.1401
1520	16.9	17.3	0.3647	2.4176	0.1488	2.9311	0.092	-0.0369	0.1004	0.1556
1521	16.5	17.3	0.366	2.4176	0.1485	2.9321	0.0877	-0.035	0.1126	0.1653
1522	16.8	17.2	0.3672	2.4168	0.149	2.933	0.0698	-0.0318	0.1149	0.153
1523	16.7	17.1	0.3671	2.4168	0.1499	2.9338	0.0493	-0.0309	0.1115	0.1299
1524	17.2	17	0.3677	2.4161	0.15	2.9338	0.0264	-0.0317	0.1212	0.1159
1525	17.3	17	0.368	2.4165	0.1497	2.9343	0.0214	-0.0348	0.1315	0.1181
1526	17.5	16.9	0.3682	2.4166	0.15	2.9348	0.0438	-0.0384	0.1294	0.1348
1527	17.1	16.7	0.3675	2.417	0.1504	2.935	0.0623	-0.0431	0.1291	0.1483
1528	17.1	16.6	0.3669	2.4179	0.15	2.9348	0.0622	-0.0471	0.1371	0.1522
1529	16.9	16.5	0.3659	2.4175	0.1501	2.9336	0.0659	-0.0442	0.1408	0.1625
1530	16.7	16.5	0.3661	2.4181	0.1499	2.9341	0.0846	-0.0472	0.1399	0.1773
1531	16.7	16.5	0.3662	2.4187	0.1499	2.9349	0.0936	-0.0485	0.1356	0.1808
1532	16.1	16.4	0.3662	2.4186	0.1503	2.9351	0.0883	-0.045	0.1421	0.1854
1533	15.9	16.4	0.3663	2.419	0.1504	2.9357	0.0756	-0.0432	0.154	0.1863
1534	16.3	16.4	0.3654	2.4195	0.1504	2.9352	0.0765	-0.0301	0.1493	0.1957
1535	15.8	16.4	0.3635	2.4201	0.1506	2.9342	0.0873	-0.0339	0.146	0.1995
1536	15.3	16.4	0.3629	2.4204	0.1502	2.9335	0.1176	-0.044	0.1537	0.2273
1537	15.1	16.5	0.3632	2.4207	0.1496	2.9335	0.1266	-0.0511	0.1425	0.218
1538	15.6	16.5	0.3637	2.4209	0.1496	2.9342	0.1276	-0.0429	0.1262	0.2108
1539	16.1	16.6	0.3626	2.4212	0.1526	2.9364	0.1351	-0.0279	0.12	0.2271
1540	16.4	16.7	0.3603	2.4215	0.1556	2.9374	0.1343	-0.0258	0.117	0.2255
1541	16.1	16.8	0.3591	2.4216	0.1559	2.9366	0.137	-0.0295	0.124	0.2314
1542	16.3	16.9	0.3593	2.4218	0.1564	2.9374	0.1273	-0.029	0.1274	0.2256
1543	17.1	17	0.3593	2.422	0.1568	2.9381	0.117	-0.0139	0.1311	0.2342
1544	17.2	17	0.3594	2.4217	0.1566	2.9376	0.1144	-0.0067	0.1304	0.2382
1545	18.1	17.1	0.3591	2.4215	0.1565	2.9371	0.0979	0.0051	0.1377	0.2406

1546	18.2	17.1	0.3584	2.4217	0.1563	2.9364	0.0965	0.0039	0.1281	0.2285
1547	18.2	17.2	0.3574	2.4216	0.1562	2.9351	0.0929	-0.009	0.13	0.214
1548	18.4	17.1	0.3572	2.4218	0.1558	2.9347	0.0964	-0.0176	0.1328	0.2115
1549	18.3	17.1	0.3573	2.4225	0.1547	2.9344	0.1138	-0.0269	0.1392	0.2261
1550	18.4	17.2	0.3574	2.4226	0.1539	2.9339	0.1112	-0.0248	0.1488	0.2352
1551	18.4	17.2	0.3572	2.4221	0.1537	2.933	0.1057	-0.0098	0.1556	0.2515
1552	17.6	17.1	0.3574	2.4221	0.1532	2.9327	0.1177	0.0016	0.1527	0.272
1553	16.9	17.1	0.3574	2.4223	0.1529	2.9326	0.1222	0.0017	0.1506	0.2745
1554	16.5	17	0.3576	2.4224	0.1522	2.9322	0.1094	0.011	0.1541	0.2745
1555	16.2	16.9	0.3576	2.4223	0.1517	2.9316	0.11	0.0238	0.1497	0.2835
1556	16	16.7	0.3569	2.4226	0.1522	2.9317	0.1162	0.0314	0.1417	0.2893
1557	15.2	16.6	0.3567	2.4229	0.1525	2.9321	0.1016	0.0416	0.1528	0.296
1558	15.9	16.5	0.3591	2.4226	0.1521	2.9337	0.0828	0.0459	0.1672	0.2959
1559	16.7	16.4	0.3618	2.4228	0.1514	2.936	0.0799	0.0479	0.169	0.2967
1560	16.2	16.2	0.3638	2.4229	0.1508	2.9375	0.0816	0.0422	0.1705	0.2943
1561	16	16.1	0.3638	2.4227	0.151	2.9375	0.0848	0.0358	0.165	0.2856
1562	15.8	16	0.3622	2.4227	0.1511	2.936	0.0977	0.0326	0.1591	0.2895
1563	15.9	16	0.3612	2.4227	0.1513	2.9352	0.1037	0.0286	0.1575	0.2898
1564	15.9	16	0.3602	2.4229	0.151	2.9341	0.1062	0.0276	0.1499	0.2837
1565	15.3	16	0.3612	2.4227	0.1503	2.9342	0.1066	0.0334	0.1512	0.2912
1566	15.9	16.1	0.3621	2.4228	0.1502	2.9351	0.1036	0.0249	0.1503	0.2787
1567	15.9	16.2	0.3616	2.4231	0.1506	2.9352	0.1133	0.0229	0.1389	0.2752
1568	16	16.3	0.3597	2.4235	0.1509	2.9341	0.1161	0.0255	0.1367	0.2784
1569	15.6	16.3	0.3581	2.4237	0.1507	2.9326	0.1116	0.0152	0.1393	0.266
1570	15.9	16.4	0.3582	2.4239	0.1494	2.9315	0.1082	0.0102	0.1379	0.2564
1571	15.8	16.5	0.3589	2.4237	0.1489	2.9315	0.1032	0.0064	0.1323	0.2418
1572	16.3	16.6	0.3598	2.4235	0.1488	2.9321	0.1096	0.0044	0.1259	0.2399
1573	17	16.7	0.3605	2.4239	0.1482	2.9327	0.1185	-0.0048	0.1268	0.2404
1574	16.9	16.8	0.3605	2.4242	0.1481	2.9327	0.0962	0.0034	0.1315	0.2311
1575	17.1	16.9	0.359	2.4241	0.1484	2.9315	0.0794	-0.0052	0.1236	0.1977
1576	17.4	16.9	0.3574	2.4241	0.1486	2.9301	0.0665	0.0055	0.123	0.195
1577	17.5	16.9	0.3569	2.4242	0.1479	2.9289	0.0604	0.0101	0.1259	0.1964
1578	17.4	17	0.3569	2.4237	0.147	2.9276	0.0347	0.0122	0.1291	0.1761
1579	18	17.1	0.3564	2.4226	0.1466	2.9256	0.0273	0.0227	0.1264	0.1764
1580	18	17.1	0.3563	2.4216	0.1468	2.9246	0.0198	0.0104	0.1296	0.1598
1581	17.6	17.2	0.3554	2.421	0.1469	2.9232	0.034	0.004	0.1296	0.1677
1582	17.6	17.1	0.3554	2.4206	0.1459	2.9219	0.0532	0.0094	0.1316	0.1943

1583	17.4	17.1	0.3553	2.4199	0.1451	2.9204	0.0671	0.0075	0.1259	0.2005
1584	17	17	0.3552	2.42	0.1445	2.9197	0.1032	0.0056	0.1146	0.2234
1585	16.8	16.9	0.3528	2.4203	0.1438	2.917	0.1029	0.0032	0.1126	0.2187
1586	16.7	16.8	0.352	2.4214	0.1447	2.9181	0.0809	0.0063	0.1165	0.2037
1587	17.2	16.7	0.3524	2.4209	0.1452	2.9186	0.08	0.0045	0.1133	0.1978
1588	16.9	16.6	0.353	2.4194	0.1448	2.9172	0.0816	-0.005	0.1085	0.1851
1589	16.7	16.5	0.3535	2.4188	0.1452	2.9174	0.0822	-0.014	0.108	0.1762
1590	16.7	16.4	0.3529	2.4188	0.1452	2.9169	0.0717	-0.0145	0.1412	0.1984
1591	15.6	16.4	0.3542	2.4187	0.1442	2.9172	0.0512	-0.017	0.1767	0.2109
1592	15.8	16.3	0.355	2.4186	0.1437	2.9173	0.0451	-0.0237	0.1805	0.2019
1593	15.5	16.3	0.3562	2.4186	0.1433	2.9181	0.047	-0.0253	0.188	0.2097
1594	15.7	16.2	0.3569	2.4176	0.1426	2.9171	0.052	-0.025	0.198	0.225
1595	15.5	16.1	0.357	2.4176	0.1428	2.9174	0.0572	-0.0298	0.2009	0.2283
1596	15.4	16	0.3571	2.4181	0.1428	2.918	0.0589	-0.0302	0.201	0.2297
1597	15.7	15.9	0.3559	2.4185	0.143	2.9174	0.0533	-0.0245	0.1981	0.2269
1598	16	15.9	0.3544	2.4187	0.143	2.9161	0.0433	-0.0238	0.1998	0.2192
1599	16.5	15.9	0.3529	2.4184	0.1433	2.9145	0.0422	-0.0218	0.1988	0.2193
1600	16.4	15.8	0.3525	2.418	0.143	2.9136	0.0454	-0.0134	0.1927	0.2247
1601	16.6	15.8	0.3525	2.4182	0.1419	2.9126	0.0481	-0.0099	0.1851	0.2233
1602	16.5	15.9	0.3523	2.4183	0.1415	2.9121	0.0507	-0.0119	0.1831	0.2219
1603	16	15.9	0.3525	2.4178	0.1411	2.9115	0.0617	-0.0085	0.1793	0.2326
1604	15.1	15.9	0.3526	2.4168	0.1407	2.9102	0.0715	-0.0062	0.1708	0.2361
1605	14.9	15.9	0.3527	2.416	0.1405	2.9092	0.1194	-0.001	0.111	0.2294
1606	15.5	15.8	0.3545	2.415	0.1388	2.9084	0.1281	0.0072	0.0922	0.2275
1607	16	15.8	0.3559	2.415	0.1371	2.9079	0.1014	0.0162	0.0951	0.2127
1608	16.1	15.7	0.3556	2.4151	0.137	2.9076	0.0894	0.0166	0.1045	0.2106
1609	15.8	15.6	0.3552	2.4157	0.137	2.9079	0.1246	0.0126	0.1036	0.2408
1610	15.9	15.5	0.355	2.4162	0.1372	2.9084	0.155	0.0137	0.0976	0.2664
1611	16.1	15.4	0.3542	2.4165	0.1375	2.9083	0.1704	0.018	0.0847	0.2731
1612	15.9	15.2	0.3539	2.4166	0.1376	2.9081	0.1694	0.0173	0.0898	0.2766
1613	15.9	15.1	0.3536	2.4163	0.1377	2.9077	0.1473	0.02	0.0907	0.2581
1614	15.3	15.1	0.3534	2.4159	0.1373	2.9066	0.1388	0.0201	0.0981	0.257
1615	14.7	15	0.3531	2.4167	0.137	2.9068	0.123	0.0222	0.0968	0.242
1616	14.6	15	0.3524	2.4169	0.1371	2.9064	0.1257	0.0229	0.0907	0.2392
1617	14.5	14.9	0.3521	2.4167	0.137	2.9059	0.1377	0.0279	0.0896	0.2552
1618	14.4	14.8	0.3526	2.4169	0.1362	2.9057	0.1361	0.0342	0.0941	0.2644
1619	14.4	14.7	0.3533	2.4169	0.1357	2.9059	0.1096	0.0472	0.1012	0.258

1620	14.4	14.6	0.3544	2.417	0.1356	2.9069	0.0794	0.061	0.1078	0.2482
1621	14.1	14.4	0.355	2.4172	0.1359	2.9081	0.0747	0.0648	0.1052	0.2447
1622	13.9	14.3	0.3554	2.4173	0.1363	2.909	0.0768	0.0674	0.1054	0.2496
1623	13.7	14.2	0.3575	2.4164	0.1368	2.9107	0.0856	0.0717	0.11	0.2673
1624	13.9	14.1	0.3598	2.4167	0.1376	2.9141	0.0895	0.0827	0.1076	0.2799
1625	14.6	14	0.3614	2.416	0.1374	2.9148	0.0835	0.0894	0.1067	0.2796
1626	14.3	13.9	0.3622	2.4156	0.1374	2.9152	0.0651	0.0931	0.1077	0.2659
1627	14.2	13.8	0.3641	2.4158	0.1375	2.9173	0.0503	0.0938	0.1088	0.2529
1628	14.2	13.8	0.3642	2.4156	0.1374	2.9172	0.0534	0.0884	0.1014	0.2432
1629	14	13.7	0.3639	2.4165	0.1372	2.9176	0.0599	0.0776	0.0993	0.2368
1630	13.7	13.7	0.3627	2.4177	0.137	2.9174	0.0586	0.0679	0.1044	0.2308
1631	14	13.7	0.3609	2.4178	0.1368	2.9155	0.0641	0.061	0.1093	0.2344
1632	13.5	13.8	0.3595	2.4179	0.1377	2.915	0.0619	0.0536	0.1097	0.2252
1633	13	13.8	0.356	2.4185	0.1389	2.9134	0.0691	0.0462	0.1039	0.2192
1634	12.9	13.9	0.3551	2.4191	0.1392	2.9134	0.0786	0.039	0.1003	0.2178
1635	12.8	13.9	0.3554	2.4195	0.139	2.9138	0.0836	0.0361	0.0942	0.2138
1636	12.9	14	0.3549	2.42	0.1389	2.9137	0.0613	0.0367	0.0866	0.1846
1637	13.3	14.1	0.3551	2.4212	0.1387	2.915	0.0432	0.044	0.0974	0.1846
1638	13.4	14.1	0.3555	2.4223	0.1388	2.9165	0.0401	0.039	0.1043	0.1834
1639	14.1	14.2	0.3554	2.4226	0.1385	2.9165	0.0467	0.0227	0.1005	0.1699
1640	14.7	14.3	0.3552	2.4232	0.1379	2.9163	0.0447	0.0132	0.1039	0.1618
1641	14.7	14.4	0.3546	2.424	0.1378	2.9164	0.0179	0.0075	0.1062	0.1316
1642	14.8	14.6	0.3546	2.4243	0.1376	2.9164	0.0237	0.0043	0.0967	0.1247
1643	15.2	14.7	0.3541	2.4245	0.137	2.9156	0.0295	-0.0027	0.0844	0.1111
1644	15.2	14.9	0.3536	2.4247	0.1365	2.9148	0.0268	-0.007	0.0821	0.1019
1645	15.2	15.1	0.3532	2.4245	0.1364	2.9141	0.0106	-0.0162	0.078	0.0724
1646	15.4	15.2	0.3531	2.4242	0.1365	2.9137	0.0094	-0.0108	0.0735	0.0721
1647	15.9	15.3	0.3531	2.4239	0.1362	2.9132	0.0219	-0.0083	0.0714	0.085
1648	15.6	15.4	0.353	2.424	0.1359	2.9128	0.0163	-0.0212	0.0718	0.067
1649	15.8	15.5	0.3528	2.4238	0.1354	2.9119	-0.0025	-0.0178	0.0727	0.0524
1650	15.9	15.4	0.3526	2.4236	0.1354	2.9116	-0.0125	-0.0232	0.0736	0.0379
1651	15.9	15.4	0.3521	2.4233	0.1353	2.9108	-0.0012	-0.039	0.0716	0.0315
1652	16.2	15.4	0.3512	2.423	0.1353	2.9095	0.0054	-0.0404	0.0665	0.0315
1653	16.1	15.4	0.3503	2.4229	0.1359	2.909	0.0094	-0.0316	0.0553	0.0331
1654	15.9	15.3	0.3457	2.4225	0.1411	2.9093	0.0318	-0.0371	0.0474	0.0421
1655	15.6	15.4	0.3448	2.4216	0.1424	2.9089	0.0358	-0.0491	0.0402	0.0269
1656	15.8	15.4	0.3468	2.4209	0.1427	2.9104	0.0164	-0.0579	0.0374	-0.0041

1657	15.1	15.3	0.3478	2.4213	0.142	2.9111	0.0193	-0.0664	0.0201	-0.027
1658	14.8	15.3	0.3466	2.4213	0.1417	2.9096	0.0249	-0.0632	0.0028	-0.0356
1659	13.7	15.2	0.3463	2.4214	0.1416	2.9093	0.0218	-0.0564	0.0049	-0.0297
1660	14.4	15.2	0.3468	2.4211	0.1423	2.9102	0.0231	-0.0518	0.0124	-0.0163
1661	14.4	15.1	0.3469	2.421	0.142	2.9098	0.0319	-0.0557	0.0195	-0.0043
1662	14.7	15.1	0.3475	2.4207	0.142	2.9102	0.0356	-0.0591	0.025	0.0015
1663	15.1	15	0.3473	2.4207	0.1415	2.9095	0.0342	-0.0626	0.0242	-0.0041
1664	15.4	15	0.3479	2.4207	0.1414	2.9099	0.0243	-0.0751	0.0276	-0.0232
1665	15.4	14.9	0.3486	2.4204	0.1412	2.9103	0.0117	-0.0852	0.0269	-0.0466
1666	14.9	14.9	0.3483	2.42	0.1413	2.9096	0.0067	-0.0805	0.0244	-0.0495
1667	14.9	14.9	0.348	2.4196	0.1412	2.9088	0.0072	-0.0801	0.0234	-0.0495
1668	14.8	14.9	0.3487	2.4187	0.1408	2.9083	0.0093	-0.0824	0.0236	-0.0495
1669	15	15	0.3502	2.4176	0.14	2.9078	0.0089	-0.0807	0.0186	-0.0533
1670	15.3	15.1	0.3508	2.4174	0.1389	2.907	0.0133	-0.0778	0.0177	-0.0467
1671	15	15.1	0.3512	2.4169	0.1384	2.9065	0.0283	-0.0738	0.0196	-0.0259
1672	15	15.1	0.3513	2.4164	0.1378	2.9054	0.0385	-0.0706	0.0232	-0.0089
1673	14.7	15.1	0.3516	2.4157	0.1374	2.9047	0.0373	-0.0709	0.0291	-0.0045
1674	14.7	15	0.3521	2.4152	0.1374	2.9047	0.0599	-0.0807	0.0344	0.0136
1675	15.1	14.9	0.3525	2.4148	0.1376	2.9049	0.0856	-0.073	0.0431	0.0558
1676	15.3	14.9	0.3523	2.4147	0.1377	2.9048	0.1037	-0.085	0.0422	0.0609
1677	15.7	14.8	0.3516	2.4153	0.1377	2.9046	0.1183	-0.0936	0.0439	0.0686
1678	15.8	14.7	0.3509	2.4159	0.1371	2.9039	0.1279	-0.0862	0.0498	0.0914
1679	15.2	14.7	0.3505	2.4158	0.1362	2.9025	0.126	-0.084	0.051	0.093
1680	15.1	14.5	0.3499	2.4155	0.1358	2.9012	0.1216	-0.0723	0.0459	0.0952
1681	14.6	14.4	0.3492	2.4156	0.1359	2.9007	0.1115	-0.0569	0.0438	0.0984
1682	14.4	14.3	0.3485	2.416	0.1355	2.9	0.0901	-0.0544	0.042	0.0777
1683	14.2	14.2	0.3475	2.416	0.1351	2.8986	0.0756	-0.049	0.0546	0.0813
1684	14	14.1	0.3468	2.4164	0.1351	2.8983	0.0417	-0.0397	0.0699	0.0719
1685	14	13.9	0.3467	2.4167	0.1352	2.8985	0.0403	-0.031	0.076	0.0852
1686	13.4	13.8	0.3477	2.417	0.1349	2.8996	0.0586	-0.029	0.079	0.1086
1687	13.4	13.6	0.3484	2.417	0.1348	2.9002	0.0569	-0.0221	0.0786	0.1133
1688	13.4	13.4	0.3484	2.4171	0.1347	2.9002	0.0628	-0.0093	0.0782	0.1318
1689	13.3	13.3	0.349	2.4174	0.1349	2.9013	0.0707	-0.0011	0.0805	0.1502
1690	13.1	13.1	0.3511	2.418	0.1346	2.9038	0.0684	0.0034	0.0749	0.1466
1691	12.6	13	0.3519	2.4183	0.1346	2.9047	0.0629	0.0125	0.0709	0.1463
1692	12.5	12.9	0.3521	2.4189	0.1353	2.9062	0.0531	0.0221	0.0706	0.1458
1693	12.6	12.8	0.3535	2.4193	0.1351	2.9079	0.034	0.0263	0.0677	0.128

1694	11.9	12.7	0.3558	2.4192	0.1348	2.9099	0.0223	0.0302	0.0624	0.115
1695	12.5	12.6	0.3561	2.4186	0.1355	2.9102	0.0196	0.0344	0.0579	0.1119
1696	11.7	12.6	0.3549	2.4189	0.1357	2.9095	0.015	0.0348	0.0603	0.11
1697	12.7	12.7	0.3543	2.4206	0.1358	2.9107	0.0214	0.0346	0.0681	0.1241
1698	12.5	12.7	0.3547	2.4205	0.1357	2.9109	0.0362	0.0375	0.0715	0.1451
1699	12.3	12.8	0.3541	2.4207	0.1359	2.9107	0.0387	0.0435	0.0711	0.1533
1700	12.5	13	0.3526	2.4219	0.1358	2.9104	0.0412	0.0455	0.0647	0.1514
1701	12.5	13.2	0.352	2.4222	0.1353	2.9095	0.0382	0.0479	0.0654	0.1516
1702	12.5	13.4	0.3514	2.4215	0.136	2.9088	0.0343	0.0488	0.0673	0.1504
1703	12.4	13.6	0.3493	2.4215	0.1364	2.9072	0.0247	0.046	0.068	0.1387
1704	12.4	13.8	0.3491	2.4217	0.1367	2.9075	0.0105	0.0437	0.0756	0.1298
1705	13.2	14	0.3511	2.4218	0.1367	2.9096	-0.0391	0.0381	0.1308	0.1299
1706	13.9	14.2	0.3526	2.4216	0.1368	2.9111	-0.0574	0.0275	0.1433	0.1135
1707	14.6	14.4	0.3534	2.4213	0.1369	2.9115	-0.0539	0.0271	0.1441	0.1173
1708	15.2	14.6	0.3534	2.4207	0.1365	2.9106	-0.0538	0.0337	0.1364	0.1163
1709	16	14.7	0.3529	2.4209	0.1358	2.9095	-0.0685	0.0389	0.1379	0.1083
1710	16.2	14.8	0.3518	2.4218	0.1352	2.9088	-0.0676	0.0495	0.1407	0.1226
1711	16.4	14.9	0.3507	2.4224	0.135	2.9081	-0.0682	0.0435	0.146	0.1214
1712	16.5	15	0.3505	2.4229	0.1352	2.9085	-0.0756	0.0462	0.1413	0.112
1713	16.3	15.1	0.3512	2.4239	0.1349	2.91	-0.0758	0.0477	0.144	0.1158
1714	15.9	15.1	0.3522	2.4245	0.1346	2.9113	-0.0821	0.048	0.1398	0.1057
1715	16.2	15.2	0.3525	2.4247	0.1346	2.9118	-0.0801	0.0438	0.1435	0.1071
1716	16.1	15.2	0.3517	2.4249	0.1347	2.9113	-0.0616	0.0383	0.1432	0.1199
1717	16	15.2	0.3512	2.425	0.1347	2.9108	-0.0661	0.0378	0.1499	0.1215
1718	15.4	15.2	0.3517	2.425	0.1343	2.9111	-0.0714	0.0226	0.1495	0.1006
1719	14.4	15.1	0.352	2.4247	0.1339	2.9106	-0.0562	0.0159	0.1452	0.1049
1720	14	15	0.3515	2.4244	0.1336	2.9095	-0.0473	0.0086	0.1367	0.0981
1721	13.6	14.8	0.3511	2.4242	0.1336	2.909	-0.0402	0.0011	0.1271	0.088
1722	13.9	14.7	0.3516	2.4244	0.1334	2.9094	-0.037	-0.0039	0.1224	0.0815
1723	13.9	14.6	0.3515	2.4245	0.1333	2.9093	-0.0426	-0.0142	0.114	0.0572
1724	13.7	14.5	0.3512	2.424	0.1333	2.9085	-0.0367	-0.0219	0.1087	0.05
1725	13.7	14.4	0.351	2.4245	0.1332	2.9087	-0.031	-0.0276	0.1098	0.0513
1726	14.7	14.3	0.3503	2.425	0.133	2.9083	-0.0282	-0.029	0.1147	0.0575
1727	15.1	14.1	0.3513	2.4244	0.1325	2.9082	-0.0293	-0.0294	0.1201	0.0615
1728	14.6	14.1	0.3516	2.424	0.1323	2.9079	-0.0429	-0.0202	0.124	0.0609
1729	14.2	14.1	0.3518	2.4237	0.1326	2.9081	-0.0546	-0.0108	0.116	0.0506
1730	13.9	14.1	0.3515	2.4234	0.1326	2.9075	-0.0586	-0.0141	0.1041	0.0313

1731	14	14.1	0.3519	2.4232	0.1326	2.9077	-0.0634	-0.0197	0.1012	0.0181
1732	13.9	14.2	0.3519	2.4228	0.1323	2.9069	-0.0706	-0.0165	0.1074	0.0203
1733	14.2	14.1	0.3518	2.4224	0.1319	2.9062	-0.0799	-0.0131	0.1085	0.0154
1734	14.1	14.1	0.351	2.4222	0.1316	2.9049	-0.0836	-0.022	0.1018	-0.0038
1735	13.7	14.1	0.3495	2.4224	0.1311	2.903	-0.0787	-0.0228	0.097	-0.0045
1736	13.6	14.1	0.3492	2.4222	0.131	2.9024	-0.0618	-0.0203	0.0922	0.0101
1737	14.3	13.9	0.3488	2.4222	0.1309	2.9019	-0.0422	-0.0192	0.0808	0.0194
1738	14.4	13.9	0.3484	2.4224	0.1307	2.9015	-0.0397	-0.0119	0.079	0.0273
1739	14.4	13.8	0.3486	2.4223	0.131	2.9019	-0.0424	-0.0125	0.0773	0.0223
1740	14.6	13.8	0.3489	2.422	0.1308	2.9017	-0.034	-0.0047	0.0826	0.0439
1741	14	13.7	0.3493	2.4218	0.1307	2.9018	-0.0022	0.0026	0.0849	0.0853
1742	13.4	13.7	0.3512	2.4217	0.1308	2.9036	0.0155	0.0088	0.0839	0.1083
1743	13.5	13.7	0.3519	2.4215	0.1308	2.9042	0.0165	0.0149	0.094	0.1254
1744	13.7	13.6	0.3517	2.4212	0.1307	2.9036	0.0293	0.0208	0.0992	0.1493
1745	13.3	13.6	0.3517	2.4211	0.1303	2.9031	0.05	0.0226	0.1032	0.1759
1746	12.9	13.5	0.351	2.4207	0.1297	2.9013	0.0486	0.0142	0.1094	0.1722
1747	13.5	13.5	0.3495	2.4202	0.129	2.8987	0.0332	0.0223	0.1108	0.1663
1748	13.3	13.4	0.3491	2.4196	0.1288	2.8975	0.0199	0.0412	0.1117	0.1727
1749	13.1	13.4	0.3486	2.4192	0.1289	2.8968	0.0213	0.035	0.1146	0.171
1750	13.1	13.3	0.3487	2.4188	0.1289	2.8964	0.0095	0.0324	0.119	0.1609
1751	13.1	13.2	0.3487	2.4184	0.1286	2.8957	-0.0048	0.0448	0.1192	0.1592
1752	13.2	13.2	0.3487	2.4184	0.1285	2.8956	-0.0117	0.048	0.1147	0.151
1753	13.3	13.2	0.3492	2.4185	0.1283	2.8961	-0.018	0.0413	0.1228	0.1461
1754	13.3	13.1	0.3496	2.4187	0.128	2.8963	-0.0389	0.0421	0.1283	0.1314
1755	12.8	13.1	0.3506	2.4188	0.1281	2.8975	-0.0423	0.0445	0.1331	0.1353
1756	13.2	13	0.3522	2.4182	0.1283	2.8987	-0.0212	0.0455	0.1347	0.159
1757	13	12.9	0.3532	2.4179	0.1284	2.8995	-0.0057	0.0446	0.1373	0.1761
1758	13.3	12.8	0.3535	2.4174	0.1279	2.8988	0.0026	0.0411	0.1392	0.1828
1759	13.4	12.8	0.3531	2.4164	0.1275	2.8971	0.0029	0.0352	0.1368	0.1749
1760	12.8	12.7	0.3536	2.4167	0.1277	2.898	-0.0027	0.0375	0.13	0.1648
1761	13.2	12.6	0.3544	2.4163	0.1279	2.8987	-0.0148	0.0482	0.1255	0.1589
1762	13.1	12.5	0.355	2.4159	0.1276	2.8986	-0.0276	0.0555	0.125	0.1529
1763	12.6	12.5	0.3555	2.4159	0.1275	2.8989	-0.0297	0.0614	0.1276	0.1592
1764	12.3	12.4	0.3559	2.4163	0.127	2.8992	-0.0222	0.0735	0.1265	0.1778
1765	11.8	12.4	0.3548	2.4166	0.1269	2.8983	-0.0104	0.0814	0.1239	0.195
1766	11.6	12.4	0.3549	2.4163	0.1263	2.8975	-0.0078	0.0858	0.1251	0.203
1767	11.7	12.3	0.3551	2.4174	0.1262	2.8987	-0.0168	0.0887	0.1286	0.2005

1768	12.1	12.3	0.3544	2.4171	0.1263	2.8978	-0.0232	0.0905	0.1294	0.1967
1769	11.7	12.3	0.3549	2.4168	0.1263	2.898	-0.0169	0.092	0.1267	0.2018
1770	11.6	12.3	0.3548	2.4173	0.1262	2.8982	-0.0139	0.0895	0.1231	0.1987
1771	11.5	12.4	0.3549	2.4173	0.1261	2.8984	-0.02	0.0864	0.1214	0.1878
1772	12	12.4	0.3555	2.4178	0.1264	2.8997	-0.025	0.0856	0.1224	0.1831
1773	12.6	12.5	0.3552	2.4179	0.1266	2.8997	-0.0193	0.0887	0.1218	0.1912
1774	12.3	12.5	0.3552	2.418	0.1264	2.8996	-0.0208	0.0914	0.1219	0.1925
1775	12.3	12.6	0.3554	2.4177	0.1261	2.8992	-0.0249	0.0856	0.1233	0.184
1776	12.7	12.7	0.3553	2.4177	0.1257	2.8986	-0.0281	0.0934	0.1237	0.189
1777	12.7	12.9	0.3559	2.4173	0.1253	2.8985	-0.0378	0.1017	0.1227	0.1867
1778	13	13	0.3563	2.417	0.1255	2.8989	-0.0254	0.0954	0.1177	0.1877
1779	13.4	13.1	0.3564	2.4172	0.1258	2.8994	-0.0211	0.0909	0.1163	0.1861
1780	13.8	13.3	0.3562	2.4175	0.1257	2.8994	-0.0188	0.0878	0.1222	0.1912
1781	13.9	13.4	0.3563	2.4173	0.1252	2.8987	-0.0228	0.0848	0.1239	0.186
1782	13.7	13.6	0.3565	2.4173	0.1247	2.8984	-0.0177	0.0839	0.1252	0.1914
1783	13.2	13.7	0.3558	2.4182	0.1249	2.899	-0.018	0.078	0.1225	0.1825
1784	13.9	13.8	0.3547	2.4187	0.1254	2.8987	-0.0196	0.0745	0.1197	0.1746
1785	14.1	13.9	0.3529	2.4187	0.1259	2.8975	-0.0316	0.0725	0.1159	0.1569
1786	13.7	14	0.3519	2.4189	0.1268	2.8977	-0.0552	0.0754	0.11	0.1303
1787	14.5	14.1	0.3524	2.4182	0.1269	2.8975	-0.0611	0.0738	0.1105	0.1232
1788	14.8	14.2	0.3526	2.4184	0.127	2.898	-0.0689	0.0749	0.1107	0.1167
1789	14	14.3	0.3524	2.4179	0.1266	2.8969	-0.0762	0.0798	0.1095	0.1131
1790	14.3	14.4	0.3514	2.4178	0.1261	2.8953	-0.0742	0.0795	0.1154	0.1207
1791	14.5	14.5	0.3503	2.4174	0.1262	2.8939	-0.071	0.0758	0.1151	0.1199
1792	14.5	14.6	0.3504	2.4174	0.1259	2.8937	-0.0642	0.0731	0.1154	0.1242
1793	14.7	14.7	0.3506	2.4172	0.1251	2.8929	-0.0339	0.0725	0.1185	0.1571
1794	15	14.8	0.3508	2.4169	0.1245	2.8923	-0.0211	0.0706	0.1199	0.1693
1795	14.5	14.8	0.3512	2.4172	0.1245	2.893	-0.0259	0.0671	0.121	0.1621
1796	15	14.9	0.3516	2.4167	0.1246	2.8929	-0.0252	0.0655	0.1163	0.1565
1797	14.8	15	0.3523	2.4165	0.1246	2.8934	-0.0401	0.0602	0.106	0.1261
1798	15.6	15.1	0.3526	2.417	0.1242	2.8938	-0.0686	0.0517	0.0964	0.0794
1799	15	15.3	0.3532	2.4174	0.124	2.8946	-0.0774	0.0416	0.0928	0.0571
1800	15.1	15.1	0.3531	2.4175	0.1239	2.8945	-0.0879	0.0351	0.0978	0.045