

Test Name	OSB, MW, 25 mm cavity, rep 3
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	25
Cavity Width [mm]	25
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 25 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 5 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. At approximately 9 minutes the OSB panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	166
Time to Peak HRR [mins]	6.53
Residual HRR [kW]	7.8
Total HR [MJ]	67
Peak dQ/dt [kW/s]	0.95
Time to Peak dQ/dt [s]	4.48

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	-0.158	-0.158	4.087	2.4334	-0.001	6.5194	0.3776	0.0319	0.0039	0.4135
1	0.221	0.0695	4.0875	2.4323	-0.0009	6.5189	0.4072	0.0272	0.0038	0.4382
2	0.146	0.154	4.0894	2.4314	-0.0016	6.5193	0.4449	0.0245	0.0029	0.4723
3	0.245	0.221	4.0938	2.4289	-0.0008	6.5219	0.4494	0.029	0.0018	0.4802
4	0.318	0.398	4.0925	2.4287	-0.0007	6.5205	0.4665	0.0229	0.0032	0.4927
5	0.268	0.727	4.0926	2.4286	-0.0008	6.5204	0.5068	0.0141	0.0061	0.527
6	0.503	1.3	4.0929	2.4281	-0.0009	6.5201	0.5299	0.0167	0.0078	0.5544
7	0.825	1.95	4.0925	2.4278	-0.0009	6.5195	0.5663	0.0175	0.008	0.5919
8	1.21	2.54	4.0919	2.4275	-0.001	6.5184	0.6182	0.0145	0.0081	0.6409
9	1.74	3.06	4.0903	2.4279	-0.001	6.5172	0.6682	0.0088	0.0114	0.6884
10	2.68	3.47	4.0897	2.428	-0.0009	6.5167	0.6804	0.0073	0.0133	0.701
11	3.77	3.88	4.0893	2.4283	-0.0009	6.5167	0.6964	0.0068	0.013	0.7163
12	5.1	4.3	4.0894	2.4285	-0.0006	6.5172	0.7289	0.0041	0.0128	0.7458
13	6.03	4.71	4.0904	2.4285	-0.0006	6.5183	0.7555	0.0051	0.0113	0.7719
14	6.35	5.13	4.091	2.4283	-0.0006	6.5187	0.7791	0.0065	0.008	0.7936
15	6.82	5.55	4.0916	2.4281	-0.0004	6.5192	0.7982	0.0021	0.0055	0.8058
16	7.14	5.96	4.0915	2.428	-0.0002	6.5192	0.8137	-0.0028	0.0045	0.8153
17	7.36	6.35	4.0918	2.4282	-0.0002	6.5197	0.8204	-0.0045	0.0032	0.819
18	7.6	6.74	4.0924	2.4282	-0.0002	6.5204	0.8205	-0.0008	0.0014	0.8211
19	7.51	7.09	4.0933	2.4281	-0.0002	6.5212	0.8339	0.0049	0.0026	0.8413
20	8.03	7.42	4.0965	2.4276	-0.0002	6.5239	0.8615	0.0045	0.006	0.8719
21	8.16	7.72	4.0978	2.4275	-0.0003	6.5251	0.8895	0.0016	0.009	0.9
22	8.16	7.95	4.0976	2.4275	-0.0002	6.5249	0.9099	-0.0006	0.0108	0.9201
23	8.2	8.13	4.0971	2.4277	-0.0003	6.5246	0.924	-0.0019	0.0128	0.9348
24	8.31	8.33	4.0968	2.4277	-0.0004	6.5241	0.9208	0.0022	0.0145	0.9375
25	8.22	8.49	4.0968	2.4277	-0.0005	6.524	0.908	0.014	0.017	0.939
26	8.28	8.64	4.0968	2.4276	-0.0006	6.5239	0.8986	0.0236	0.0184	0.9405
27	8.63	8.79	4.097	2.4274	-0.0007	6.5237	0.899	0.0277	0.0181	0.9448
28	8.42	8.93	4.0957	2.4275	-0.0009	6.5224	0.8999	0.0309	0.0179	0.9486

29	8.89	9.06	4.0932	2.4277	-0.0009	6.52	0.9069	0.0392	0.018	0.9641
30	9.43	9.19	4.0897	2.4279	-0.0009	6.5167	0.9111	0.0441	0.018	0.9733
31	9.44	9.33	4.0868	2.4281	-0.0008	6.514	0.9185	0.0475	0.016	0.982
32	9.57	9.46	4.085	2.4283	-0.0008	6.5125	0.9243	0.0434	0.0155	0.9832
33	10	9.6	4.0837	2.4286	-0.0009	6.5115	0.9306	0.037	0.0144	0.982
34	10	9.75	4.0822	2.4289	-0.0008	6.5102	0.9386	0.0283	0.0139	0.9808
35	10	9.9	4.0812	2.429	-0.0008	6.5094	0.9546	0.02	0.0132	0.9877
36	10.2	10	4.0814	2.4292	-0.0007	6.5098	0.9647	0.0205	0.0142	0.9994
37	10.1	10.2	4.0841	2.4292	-0.0006	6.5127	0.9637	0.0225	0.0147	1.0009
38	10.1	10.4	4.0862	2.4292	-0.0006	6.5148	0.9671	0.0195	0.0138	1.0005
39	10.5	10.5	4.0874	2.4292	-0.0006	6.516	0.978	0.0151	0.0148	1.0079
40	10.7	10.6	4.0884	2.4294	-0.0006	6.5171	0.9865	0.011	0.0157	1.0132
41	10.6	10.8	4.0885	2.4298	-0.0006	6.5177	1.0182	0.0063	0.0162	1.0408
42	11	10.9	4.0879	2.4302	-0.0007	6.5175	1.035	0.0064	0.015	1.0563
43	11.1	11	4.0854	2.4308	-0.0007	6.5155	1.0365	0.0109	0.0139	1.0613
44	11.1	11.2	4.0826	2.4313	-0.0007	6.5132	1.0316	0.0113	0.0138	1.0567
45	11	11.3	4.0804	2.4316	-0.0008	6.5112	1.0428	0.0092	0.0135	1.0655
46	11.1	11.5	4.0779	2.4319	-0.0008	6.509	1.0419	0.0076	0.0126	1.0621
47	11.7	11.6	4.0759	2.4321	-0.0007	6.5072	1.0423	0.0094	0.0129	1.0647
48	11.7	11.8	4.0742	2.4322	-0.0007	6.5058	1.0431	0.0105	0.0099	1.0634
49	11.8	11.9	4.0731	2.4322	-0.0006	6.5047	1.0426	0.0124	0.0078	1.0629
50	11.9	12	4.0712	2.4324	-0.0006	6.503	1.0378	0.0147	0.006	1.0584
51	12	12.2	4.0688	2.4325	-0.0006	6.5008	0.9959	0.009	0	1.0049
52	12.5	12.3	4.0681	2.4323	-0.0005	6.4999	1.0098	-0.0022	0.0012	1.0088
53	12.9	12.4	4.0668	2.4326	-0.0006	6.4987	1.0456	-0.012	-0.0035	1.0301
54	13.3	12.5	4.0641	2.433	-0.0007	6.4964	1.0994	-0.0398	0.0061	1.0657
55	13	12.6	4.0623	2.4329	-0.0008	6.4943	1.1063	-0.0483	0.0079	1.0658
56	12.6	12.8	4.0597	2.4328	-0.0009	6.4916	1.135	-0.0531	0.0063	1.0883
57	12.6	12.8	4.0561	2.433	-0.0009	6.4882	1.1795	-0.0638	0.0068	1.1225
58	13.1	12.9	4.0525	2.4333	-0.0011	6.4847	1.2053	-0.0672	0.0047	1.1428
59	13.3	13	4.0511	2.4334	-0.0012	6.4833	1.2286	-0.0727	0.0021	1.158
60	13.2	13.1	4.0495	2.4334	-0.0012	6.4817	1.2281	-0.0694	0.002	1.1607
61	13.2	13.1	4.0468	2.4335	-0.0012	6.4791	1.25	-0.0684	0.003	1.1845
62	13.2	13.2	4.0444	2.4335	-0.0011	6.4767	1.264	-0.0684	0.0041	1.1998
63	13.2	13.1	4.0421	2.4334	-0.0009	6.4746	1.2851	-0.066	0.0078	1.2269
64	13.4	13.1	4.0401	2.4337	-0.0008	6.473	1.3108	-0.0649	0.0102	1.2561
65	13.5	13.1	4.0383	2.434	-0.0007	6.4715	1.3608	-0.0655	0.0121	1.3074

66	13.5	13.1	4.037	2.4341	-0.0006	6.4705	1.3943	-0.068	0.0146	1.341
67	13.3	13.1	4.0362	2.4339	-0.0005	6.4695	1.4037	-0.0722	0.0166	1.3481
68	13.1	13.2	4.0344	2.4335	-0.0006	6.4673	1.4178	-0.0714	0.017	1.3634
69	13.4	13.2	4.0317	2.4335	-0.0008	6.4643	1.431	-0.0626	0.0171	1.3854
70	13.2	13.3	4.0288	2.4337	-0.001	6.4614	1.434	-0.0594	0.0181	1.3928
71	12.8	13.3	4.0264	2.4338	-0.0012	6.4591	1.4433	-0.0545	0.0189	1.4077
72	12.9	13.4	4.0245	2.4339	-0.0013	6.4571	1.4037	-0.0397	0.0172	1.3811
73	12.7	13.5	4.0238	2.4336	-0.0015	6.456	1.4056	-0.0396	0.0154	1.3814
74	12.5	13.6	4.0239	2.4327	-0.0017	6.4549	1.4155	-0.0378	0.0131	1.3907
75	13	13.7	4.0237	2.432	-0.0018	6.4539	1.4233	-0.0343	0.0092	1.3982
76	13.3	13.7	4.0227	2.4317	-0.0018	6.4526	1.4441	-0.0291	0.0063	1.4213
77	13.9	13.8	4.0218	2.4314	-0.0018	6.4514	1.4602	-0.0207	0.0053	1.4448
78	14.1	13.9	4.0203	2.4307	-0.0018	6.4492	1.5039	-0.0259	0.0035	1.4816
79	13.8	14	4.0191	2.4303	-0.0018	6.4475	1.5158	-0.0231	-0.0017	1.4909
80	14.4	14.1	4.0176	2.43	-0.0017	6.4458	1.5195	-0.0271	-0.0051	1.4873
81	14.5	14.1	4.0162	2.4302	-0.0017	6.4447	1.5075	-0.0354	-0.008	1.4641
82	14.8	14.2	4.0147	2.4307	-0.0016	6.4438	1.4904	-0.0303	-0.0094	1.4507
83	15.1	14.3	4.0131	2.4314	-0.0016	6.443	1.4778	-0.0278	-0.009	1.4409
84	15.4	14.4	4.0108	2.4321	-0.0015	6.4414	1.4803	-0.0275	-0.0096	1.4432
85	14.8	14.4	4.009	2.432	-0.0016	6.4394	1.476	-0.0234	-0.0104	1.4422
86	15.2	14.5	4.0081	2.4318	-0.0017	6.4383	1.4772	-0.0226	-0.0089	1.4456
87	14.8	14.6	4.0069	2.4321	-0.0016	6.4373	1.5151	-0.0178	-0.0074	1.4899
88	14.9	14.7	4.0049	2.4325	-0.0017	6.4357	1.5682	-0.0166	-0.0043	1.5473
89	14.2	14.8	4.0032	2.4328	-0.0018	6.4342	1.6174	-0.018	-0.001	1.5984
90	14	14.8	3.9993	2.4332	-0.0019	6.4306	1.6716	-0.02	-0.001	1.6506
91	14.2	14.9	3.9967	2.4332	-0.0018	6.4282	1.7002	-0.0242	0	1.676
92	14.1	15	3.9956	2.4328	-0.0017	6.4266	1.7465	-0.0263	0.001	1.7212
93	14.7	15.1	3.995	2.4327	-0.0017	6.426	1.7694	-0.0209	-0.0013	1.7472
94	13.8	15.2	3.9929	2.4329	-0.0017	6.4241	1.7838	-0.0175	-0.002	1.7643
95	14.9	15.3	3.9919	2.4331	-0.0016	6.4234	1.8042	-0.0162	0.0003	1.7883
96	14.9	15.4	3.9909	2.4329	-0.0017	6.4221	1.8276	-0.0147	-0.0019	1.811
97	15.9	15.6	3.9897	2.4328	-0.0014	6.4211	1.824	-0.0123	-0.0026	1.8091
98	15.8	15.8	3.9887	2.4326	-0.0012	6.4201	1.8105	-0.016	-0.0039	1.7905
99	15.8	16	3.9882	2.4323	-0.001	6.4195	1.8292	-0.015	-0.0027	1.8116
100	16.2	16.2	3.9874	2.4325	-0.001	6.4189	1.8614	-0.0227	-0.001	1.8376
101	16.7	16.4	3.9865	2.4325	-0.001	6.418	1.8865	-0.0199	0.0009	1.8675
102	17	16.7	3.9849	2.4326	-0.0012	6.4163	1.8821	-0.0169	0.0014	1.8666

103	16.7	16.9	3.9838	2.4329	-0.0014	6.4153	1.8838	-0.0157	0.0029	1.871
104	16.5	17.2	3.9819	2.4335	-0.0015	6.4139	1.883	-0.0058	0.0013	1.8785
105	17.7	17.4	3.9791	2.4339	-0.0014	6.4116	1.8835	0.001	0.0005	1.885
106	17.8	17.6	3.9749	2.4345	-0.0016	6.4079	1.9009	-0.0032	0.0034	1.9011
107	18.6	17.8	3.972	2.4345	-0.0014	6.4052	1.8722	0.0024	0.0024	1.8771
108	18.3	17.9	3.969	2.4348	-0.0012	6.4026	1.8437	0.0055	-0.0006	1.8485
109	18.5	18	3.9675	2.4348	-0.0012	6.4011	1.8422	0.0106	-0.0046	1.8482
110	17.9	18.1	3.9647	2.4348	-0.0012	6.3983	1.8744	0.0144	-0.0069	1.8819
111	19.3	18.2	3.9628	2.4352	-0.0013	6.3967	1.9092	0.0084	-0.0079	1.9097
112	19.3	18.3	3.9609	2.4351	-0.0014	6.3945	1.9443	0.005	-0.0071	1.9422
113	18.9	18.5	3.9593	2.435	-0.0016	6.3927	1.9643	0.0003	-0.0062	1.9584
114	19.5	18.6	3.9549	2.4349	-0.0018	6.388	1.9852	-0.0038	-0.0051	1.9763
115	18.5	18.7	3.9522	2.4349	-0.0019	6.3851	1.9945	0.0013	-0.0036	1.9922
116	18.5	18.8	3.9511	2.4352	-0.0019	6.3844	2.0021	0.003	-0.0021	2.003
117	18.4	18.9	3.95	2.4353	-0.0019	6.3834	2.0373	-0.0012	-0.0021	2.034
118	17.7	19	3.9493	2.4345	-0.0019	6.3819	2.0804	-0.0071	-0.0019	2.0714
119	18.4	19.1	3.9499	2.434	-0.002	6.3819	2.0928	-0.0123	-0.0028	2.0777
120	18.3	19.2	3.9521	2.433	-0.0021	6.3831	2.1012	-0.0155	-0.0044	2.0813
121	19.1	19.3	3.9575	2.4315	-0.002	6.387	2.1184	-0.018	-0.0049	2.0955
122	19.5	19.4	3.9571	2.4315	-0.0018	6.3868	2.1307	-0.0168	-0.0042	2.1097
123	19.7	19.5	3.9556	2.4315	-0.0016	6.3855	2.1551	-0.0101	-0.0038	2.1411
124	19.9	19.6	3.9544	2.4312	-0.0013	6.3843	2.1928	-0.0093	-0.0032	2.1803
125	19.5	19.8	3.9524	2.4306	-0.0011	6.3819	2.2247	-0.0136	-0.0048	2.2064
126	19.8	20	3.9508	2.4297	-0.0011	6.3794	2.255	-0.015	-0.006	2.234
127	20.5	20.3	3.9466	2.43	-0.0011	6.3755	2.2865	-0.0133	-0.006	2.2671
128	20.1	20.5	3.9442	2.4298	-0.0007	6.3733	2.3236	-0.0111	-0.0068	2.3056
129	20.7	20.9	3.9412	2.4304	-0.0004	6.3713	2.3737	-0.0178	-0.0073	2.3487
130	21.3	21.2	3.939	2.4314	-0.0001	6.3703	2.4114	-0.0248	-0.0091	2.3775
131	20.7	21.4	3.9378	2.4311	0.0001	6.369	2.4267	-0.0222	-0.0096	2.395
132	21.1	21.7	3.9372	2.4311	0.0001	6.3684	2.4632	-0.0217	-0.0089	2.4326
133	20.8	22	3.9356	2.4314	0.0001	6.3671	2.4862	-0.0201	-0.0072	2.4589
134	21.7	22.2	3.9346	2.4312	0.0002	6.366	2.5087	-0.0154	-0.0076	2.4857
135	23	22.5	3.9335	2.4313	0.0001	6.3649	2.5334	-0.0082	-0.0072	2.518
136	23.7	22.7	3.9299	2.431	0	6.3609	2.5444	-0.0047	-0.009	2.5308
137	22.7	23	3.9272	2.4309	-0.0002	6.3579	2.5583	-0.0001	-0.0098	2.5483
138	24.4	23.3	3.9244	2.431	-0.0005	6.355	2.5634	0.007	-0.0076	2.5628
139	23.9	23.6	3.9202	2.4312	-0.0005	6.3509	2.5819	0.0092	-0.0105	2.5807

140	24.6	23.9	3.9183	2.4318	-0.0006	6.3495	2.622	0.0091	-0.0137	2.6174
141	24.8	24.3	3.9138	2.4324	-0.0007	6.3455	2.6276	0.0107	-0.0155	2.6228
142	24.5	24.7	3.911	2.4323	-0.0005	6.3427	2.6578	0.0063	-0.0156	2.6485
143	24.6	25	3.907	2.4326	-0.0005	6.3391	2.7024	0.0001	-0.015	2.6875
144	25	25.3	3.9022	2.433	-0.0008	6.3344	2.747	0.0001	-0.0157	2.7314
145	24.1	25.6	3.8976	2.4331	-0.0006	6.3301	2.7891	-0.0007	-0.0166	2.7719
146	24.8	25.9	3.8955	2.4331	-0.0005	6.3281	2.8411	-0.0003	-0.0139	2.8269
147	26.5	26.2	3.8948	2.4337	-0.0003	6.3282	2.8874	-0.0014	-0.0129	2.8732
148	26.4	26.4	3.8913	2.4337	-0.0004	6.3246	2.9461	-0.0023	-0.0097	2.9341
149	27.8	26.7	3.8869	2.4345	-0.0005	6.3209	3.0001	-0.0029	-0.007	2.9902
150	28.1	27	3.8825	2.4344	-0.0007	6.3163	3.0602	-0.0032	-0.005	3.052
151	28.5	27.3	3.8806	2.4342	-0.0007	6.3141	3.096	0.002	-0.005	3.0929
152	26.3	27.6	3.8798	2.4338	-0.0008	6.3128	3.1675	0.0016	-0.0045	3.1646
153	27.9	27.9	3.8785	2.4331	-0.0007	6.3109	3.2164	0.0015	-0.0055	3.2124
154	28.7	28.1	3.8757	2.4329	-0.0008	6.3079	3.2656	0.004	-0.0051	3.2645
155	28	28.5	3.8722	2.4332	-0.0012	6.3042	3.3149	0.0124	-0.0029	3.3244
156	28.5	28.8	3.8725	2.4326	-0.0011	6.3039	3.3544	0.0144	-0.0006	3.3682
157	29.4	29.2	3.8717	2.4324	-0.0008	6.3033	3.382	0.0216	-0.0005	3.4031
158	29.4	29.5	3.8683	2.4322	-0.0006	6.2999	3.4195	0.0216	0.0023	3.4434
159	29.7	29.7	3.8637	2.4319	-0.0005	6.2951	3.4591	0.0261	0.0028	3.4879
160	29.9	30	3.8586	2.4325	-0.0004	6.2907	3.5076	0.0318	0.002	3.5414
161	30.5	30.3	3.8523	2.433	-0.0005	6.2849	3.5395	0.0356	0.0013	3.5764
162	30.4	30.8	3.8479	2.4334	-0.0005	6.2809	3.5867	0.0417	-0.0001	3.6282
163	29.6	31.2	3.8436	2.4338	-0.0004	6.2769	3.6249	0.0437	-0.0018	3.6668
164	30.5	31.6	3.8406	2.4335	-0.0004	6.2738	3.6771	0.0439	-0.0059	3.7151
165	31.7	32.2	3.838	2.4337	-0.0005	6.2712	3.7005	0.044	-0.0097	3.7348
166	32.4	32.8	3.8333	2.4342	-0.0004	6.2671	3.7472	0.0456	-0.0115	3.7812
167	32.9	33.3	3.8281	2.4346	-0.0003	6.2624	3.7969	0.0507	-0.012	3.8357
168	32.2	33.8	3.8251	2.4347	-0.0003	6.2595	3.8484	0.053	-0.0125	3.8888
169	33.2	34.5	3.8215	2.435	-0.0004	6.2562	3.9144	0.0467	-0.0126	3.9486
170	34.8	35.1	3.817	2.4355	-0.0006	6.2519	3.9867	0.0407	-0.0126	4.0148
171	35.7	35.7	3.8134	2.4355	-0.0008	6.2481	4.0893	0.0311	-0.0124	4.1081
172	35.6	36.3	3.809	2.4349	-0.001	6.243	4.2126	0.0197	-0.0102	4.2221
173	36.7	37.1	3.8045	2.4346	-0.0012	6.2379	4.2731	0.022	-0.0084	4.2868
174	37.8	37.7	3.8014	2.4341	-0.0012	6.2343	4.3297	0.0233	-0.0072	4.3457
175	39.9	38.3	3.7982	2.4335	-0.0012	6.2305	4.3882	0.0221	-0.0054	4.405
176	39.6	38.9	3.7941	2.433	-0.0012	6.2259	4.4396	0.0192	-0.004	4.4548

177	39.8	39.5	3.7894	2.4325	-0.0011	6.2208	4.4915	0.0145	-0.004	4.502
178	41.9	40.2	3.7829	2.4325	-0.0011	6.2143	4.5263	0.0204	-0.0053	4.5414
179	41.8	41	3.7779	2.4327	-0.0009	6.2097	4.5849	0.0166	-0.003	4.5986
180	41.9	41.7	3.7749	2.4322	-0.0007	6.2063	4.6409	0.0169	-0.0004	4.6573
181	42.5	42.4	3.7698	2.4324	-0.0008	6.2015	4.7184	0.0201	0.002	4.7405
182	43.3	43.2	3.7661	2.4327	-0.0009	6.198	4.7944	0.0123	0.0057	4.8124
183	42.8	44	3.7622	2.433	-0.0008	6.1944	4.8723	0.0092	0.008	4.8895
184	43.3	44.8	3.7575	2.4329	-0.0008	6.1896	4.9465	0.0113	0.0084	4.9662
185	44	45.5	3.7546	2.4325	-0.0007	6.1863	5.0114	0.0114	0.0103	5.0331
186	43.6	46.4	3.7523	2.4319	-0.0007	6.1834	5.0823	0.016	0.0102	5.1086
187	46.3	47.1	3.7505	2.4314	-0.0009	6.181	5.119	0.0181	0.0102	5.1473
188	47.6	47.9	3.7467	2.4315	-0.0007	6.1776	5.1665	0.0251	0.0101	5.2018
189	48.4	48.9	3.741	2.4319	-0.0004	6.1724	5.217	0.0323	0.011	5.2603
190	48.6	49.8	3.7365	2.4322	-0.0003	6.1684	5.2672	0.0364	0.0108	5.3143
191	50.4	50.7	3.731	2.4326	-0.0002	6.1633	5.3464	0.0476	0.0086	5.4027
192	52	51.7	3.7253	2.4328	-0.0002	6.1579	5.3709	0.0572	0.0065	5.4346
193	53.2	52.8	3.7203	2.4327	-0.0001	6.1529	5.4212	0.0567	0.0098	5.4877
194	54.1	54	3.714	2.433	0	6.1469	5.4627	0.0584	0.0098	5.5309
195	55.5	55.2	3.7078	2.4331	-0.0002	6.1407	5.5065	0.0658	0.0066	5.579
196	54.3	56.5	3.7021	2.433	-0.0004	6.1348	5.5392	0.0711	0.0097	5.62
197	57.3	57.7	3.6951	2.433	-0.0004	6.1277	5.6153	0.0682	0.0101	5.6936
198	59.7	58.9	3.6887	2.4329	-0.0005	6.1211	5.6901	0.0756	0.0135	5.7792
199	58.6	60.1	3.6822	2.4326	-0.0005	6.1143	5.7537	0.0794	0.0151	5.8482
200	60.8	61.2	3.6778	2.4323	-0.0005	6.1096	5.8047	0.0914	0.014	5.9101
201	62.5	62.3	3.6698	2.4323	-0.0006	6.1016	5.8336	0.0958	0.0122	5.9416
202	63.7	63.5	3.6632	2.4325	-0.0007	6.095	5.8955	0.0999	0.0129	6.0083
203	65.2	64.6	3.6573	2.4325	-0.0009	6.0889	5.985	0.0938	0.0112	6.09
204	67.4	65.6	3.6504	2.4323	-0.0012	6.0815	6.0028	0.0843	0.0126	6.0998
205	68.1	66.6	3.6437	2.4325	-0.0014	6.0748	6.0486	0.0875	0.0097	6.1458
206	69.4	67.7	3.6367	2.4323	-0.0015	6.0676	6.083	0.0931	0.0033	6.1794
207	69.9	68.7	3.6301	2.4324	-0.0016	6.0608	6.1863	0.0906	0.0049	6.2818
208	70.7	69.6	3.6231	2.4322	-0.0015	6.0538	6.2546	0.091	0.0078	6.3534
209	69.9	70.6	3.6168	2.4316	-0.0014	6.047	6.3144	0.0891	0.0089	6.4124
210	71.8	71.3	3.6107	2.4313	-0.0013	6.0406	6.3377	0.0842	0.012	6.4338
211	73.8	72	3.6042	2.431	-0.0013	6.0339	6.3749	0.0894	0.0139	6.4782
212	74	72.7	3.5984	2.4307	-0.0012	6.0279	6.3896	0.0883	0.0121	6.4901
213	73.8	73.4	3.5916	2.4306	-0.001	6.0212	6.4202	0.0867	0.013	6.5199

214	74.9	74.1	3.5849	2.4305	-0.0008	6.0145	6.5033	0.0858	0.0149	6.6039
215	75.5	74.8	3.5774	2.4303	-0.0007	6.007	6.5442	0.0789	0.0132	6.6364
216	74.9	75.4	3.5714	2.4301	-0.0007	6.0008	6.5977	0.0798	0.0094	6.6869
217	76.8	76.1	3.5652	2.43	-0.0006	5.9945	6.6367	0.0861	0.0073	6.7301
218	77.3	76.8	3.5579	2.4298	-0.0007	5.987	6.68	0.0842	0.0052	6.7694
219	75.4	77.8	3.5513	2.4299	-0.0008	5.9804	6.764	0.084	0.0059	6.8538
220	75.6	78.7	3.5432	2.4299	-0.0009	5.9723	6.7896	0.0828	0.0061	6.8785
221	76.5	79.7	3.5362	2.4295	-0.001	5.9648	6.802	0.086	0.0036	6.8916
222	79.1	80.7	3.5297	2.4293	-0.0009	5.9581	6.8393	0.0891	0.0014	6.9298
223	80.1	81.6	3.5226	2.4291	-0.0008	5.9509	6.8963	0.0853	-0.0006	6.981
224	80.8	82.6	3.5156	2.4289	-0.0007	5.9438	6.9331	0.0826	-0.0035	7.0122
225	82.6	83.5	3.5084	2.4287	-0.0007	5.9364	7.0032	0.0754	-0.0058	7.0728
226	82.3	84.5	3.5016	2.4282	-0.0007	5.9292	7.0554	0.0656	-0.0086	7.1124
227	84.7	85.4	3.494	2.428	-0.0006	5.9214	7.1283	0.0586	-0.0112	7.1758
228	87.9	86.4	3.4857	2.4281	-0.0004	5.9134	7.1898	0.0505	-0.0124	7.2278
229	89.2	87.6	3.4771	2.4288	-0.0003	5.9055	7.2404	0.0453	-0.0124	7.2733
230	92.3	88.6	3.4672	2.4294	-0.0003	5.8962	7.2849	0.0448	-0.0092	7.3205
231	92.8	89.6	3.4583	2.4299	-0.0005	5.8877	7.3351	0.0399	-0.004	7.3709
232	91.4	90.6	3.45	2.4302	-0.0007	5.8794	7.3865	0.0394	-0.0022	7.4237
233	93.6	91.6	3.441	2.4303	-0.0007	5.8705	7.4442	0.0385	-0.0028	7.4799
234	94	92.5	3.4334	2.4301	-0.0008	5.8627	7.4922	0.0403	-0.0022	7.5303
235	93.5	93.2	3.4253	2.4297	-0.0009	5.854	7.5142	0.044	0.0005	7.5587
236	94.3	94	3.418	2.4292	-0.001	5.8461	7.548	0.0445	0.0022	7.5947
237	95.4	94.6	3.4106	2.4284	-0.0012	5.8378	7.5801	0.042	0.0014	7.6235
238	97.6	95.3	3.4027	2.4278	-0.0016	5.8289	7.6497	0.0401	-0.0006	7.6892
239	96.2	96	3.3935	2.4276	-0.0016	5.8195	7.6881	0.041	0.002	7.7311
240	95	96.6	3.3837	2.427	-0.0015	5.8093	7.6981	0.0473	0.0039	7.7494
241	98.2	97.3	3.3768	2.4267	-0.0013	5.8021	7.7258	0.0538	0.0048	7.7844
242	97.8	98.2	3.3688	2.4266	-0.0015	5.794	7.7468	0.0605	0.0058	7.813
243	99.3	98.8	3.3608	2.4267	-0.0015	5.786	7.7822	0.0627	0.0064	7.8513
244	95.8	99.4	3.3516	2.4264	-0.0014	5.7765	7.8448	0.0582	0.0087	7.9117
245	96.9	100	3.3437	2.426	-0.0016	5.7681	7.8642	0.0559	0.0077	7.9278
246	96.2	101	3.334	2.4263	-0.0015	5.7587	7.9129	0.0551	0.0057	7.9738
247	101	101	3.3258	2.4261	-0.0017	5.7503	7.9783	0.0494	0.0042	8.032
248	103	101	3.3159	2.4258	-0.0019	5.7398	8.0427	0.0445	0.0049	8.0921
249	104	102	3.3065	2.4253	-0.0019	5.7299	8.076	0.0377	0.0043	8.118
250	106	102	3.2992	2.4248	-0.0019	5.7221	8.1202	0.0327	0.0031	8.156

251	107	102	3.2911	2.4242	-0.002	5.7133	8.2032	0.0225	0.0039	8.2296
252	105	103	3.2813	2.4244	-0.0019	5.7038	8.2107	0.0252	0.0014	8.2374
253	105	103	3.2782	2.4247	-0.002	5.7009	8.2233	0.0317	0.0003	8.2553
254	105	104	3.2709	2.4242	-0.0018	5.6933	8.2582	0.0337	-0.0013	8.2906
255	105	104	3.2639	2.4239	-0.0015	5.6863	8.2741	0.0347	-0.004	8.3048
256	103	105	3.2538	2.4235	-0.0016	5.6757	8.2956	0.0371	-0.0062	8.3265
257	101	105	3.2463	2.4233	-0.0016	5.668	8.3376	0.035	-0.0074	8.3652
258	106	106	3.2369	2.4233	-0.0015	5.6587	8.4017	0.0337	-0.0077	8.4277
259	104	106	3.2299	2.4235	-0.0017	5.6517	8.4499	0.0289	-0.0074	8.4714
260	103	106	3.2211	2.4236	-0.0018	5.6429	8.4816	0.0196	-0.0062	8.4949
261	105	106	3.2134	2.4242	-0.0017	5.6359	8.5322	0.0113	-0.0063	8.5372
262	106	106	3.2059	2.4248	-0.0018	5.6289	8.561	0.0131	-0.005	8.5691
263	104	106	3.1932	2.4252	-0.0019	5.6165	8.6	0.0147	-0.0062	8.6085
264	111	106	3.1862	2.4256	-0.0017	5.6101	8.618	0.0212	-0.0034	8.6357
265	109	106	3.1783	2.4257	-0.0014	5.6025	8.6475	0.0219	0.0001	8.6694
266	110	106	3.1696	2.4256	-0.0011	5.5941	8.6628	0.0241	0.0008	8.6877
267	108	107	3.1601	2.4261	-0.0008	5.5854	8.6856	0.03	0.0004	8.7159
268	109	107	3.1487	2.4263	-0.0009	5.5741	8.7115	0.0349	0	8.7464
269	109	107	3.1426	2.4268	-0.001	5.5683	8.7429	0.0336	-0.0002	8.7763
270	108	108	3.1368	2.4269	-0.0009	5.5627	8.7982	0.0298	-0.0005	8.8274
271	106	108	3.1294	2.4266	-0.0009	5.5552	8.8459	0.0274	-0.0015	8.8717
272	107	108	3.1194	2.4264	-0.0009	5.5449	8.8798	0.02	-0.0025	8.8973
273	102	108	3.1112	2.4263	-0.0008	5.5367	8.9212	0.0163	-0.0004	8.9371
274	109	108	3.1011	2.4266	-0.0006	5.527	8.9282	0.0191	0.0021	8.9494
275	107	108	3.0926	2.427	-0.0003	5.5192	8.9338	0.0267	0.0053	8.9658
276	108	109	3.0813	2.4271	-0.0001	5.5083	8.9532	0.0322	0.0083	8.9938
277	109	109	3.0704	2.4274	0.0001	5.498	8.989	0.0293	0.0096	9.0278
278	110	109	3.0589	2.4279	0.0001	5.487	9.0128	0.0296	0.0135	9.0559
279	109	109	3.0494	2.4283	0	5.4777	9.0315	0.0325	0.015	9.0789
280	109	110	3.0414	2.4282	-0.0003	5.4692	9.0475	0.0411	0.0155	9.1041
281	108	110	3.0312	2.4285	-0.0006	5.4591	9.0554	0.0447	0.0144	9.1145
282	111	110	3.0217	2.4289	-0.0006	5.45	9.0362	0.051	0.013	9.1002
283	110	111	3.013	2.4289	-0.0006	5.4414	9.0336	0.057	0.0103	9.1009
284	112	111	3.0061	2.4285	-0.0009	5.4337	9.0167	0.0626	0.0076	9.0869
285	114	111	2.9997	2.428	-0.0009	5.4269	9.0249	0.0596	0.0045	9.089
286	112	112	2.9943	2.4276	-0.0008	5.4211	9.0569	0.0497	0.0027	9.1093
287	112	111	2.9855	2.4274	-0.0008	5.4121	9.1076	0.035	0.0026	9.1452

288	112	112	2.9779	2.4274	-0.0009	5.4045	9.147	0.0163	0.0014	9.1646
289	115	112	2.9712	2.4272	-0.0008	5.3975	9.1778	0.0033	-0.004	9.1771
290	115	112	2.964	2.4268	-0.0008	5.3899	9.201	-0.0044	-0.0079	9.1888
291	112	112	2.9563	2.4265	-0.0008	5.382	9.1715	-0.0089	-0.0102	9.1525
292	113	112	2.9471	2.4265	-0.0008	5.3728	9.2043	-0.0115	-0.0072	9.1856
293	114	113	2.9358	2.4269	-0.001	5.3617	9.2286	-0.0116	-0.006	9.211
294	109	113	2.9276	2.4274	-0.0008	5.3542	9.2427	-0.0088	-0.0048	9.2291
295	113	113	2.9165	2.4276	-0.0008	5.3433	9.2527	-0.0105	-0.0056	9.2365
296	107	113	2.9043	2.4281	-0.0008	5.3316	9.2902	-0.0136	-0.0103	9.2663
297	114	114	2.8909	2.4286	-0.0009	5.3185	9.3042	-0.0096	-0.0106	9.2841
298	112	114	2.8811	2.4291	-0.0009	5.3093	9.3044	-0.007	-0.0097	9.2877
299	110	114	2.8701	2.4294	-0.0008	5.2987	9.2669	-0.0072	-0.0128	9.2469
300	112	114	2.8575	2.4301	-0.0009	5.2867	9.2255	-0.0084	-0.0146	9.2026
301	116	114	2.8487	2.4298	-0.0007	5.2778	9.2156	-0.007	-0.014	9.1946
302	114	114	2.8409	2.4293	-0.0007	5.2695	9.2323	-0.0057	-0.0129	9.2137
303	117	114	2.8315	2.4291	-0.0008	5.2598	9.2389	0.0029	-0.0101	9.2317
304	117	115	2.823	2.4288	-0.0008	5.251	9.2809	0.0482	-0.0097	9.3195
305	117	115	2.8141	2.4288	-0.0007	5.2421	9.1687	0.2097	-0.0056	9.3728
306	119	116	2.803	2.4288	-0.0008	5.231	9.0083	0.4262	-0.0006	9.4339
307	116	116	2.7899	2.429	-0.0008	5.2181	8.8468	0.6204	-0.0014	9.4658
308	114	116	2.7781	2.4293	-0.0007	5.2067	8.7225	0.8053	-0.0027	9.5251
309	114	117	2.7686	2.4297	-0.0008	5.1975	8.651	0.9166	-0.0042	9.5634
310	116	117	2.7575	2.4301	-0.0007	5.1869	8.7059	0.9271	-0.0087	9.6242
311	118	117	2.7481	2.4297	-0.0008	5.177	8.8839	0.818	-0.0114	9.6906
312	116	118	2.7384	2.4293	-0.0006	5.167	9.0062	0.7849	-0.0114	9.7797
313	116	118	2.7298	2.4285	-0.0007	5.1576	8.8996	0.9188	-0.013	9.8054
314	118	118	2.7201	2.4283	-0.0009	5.1476	8.7687	1.0576	-0.0143	9.812
315	120	118	2.7112	2.4279	-0.0008	5.1382	8.7378	1.1782	-0.0127	9.9032
316	119	119	2.7028	2.4271	-0.0007	5.1292	8.6718	1.2707	-0.0073	9.9352
317	120	119	2.694	2.4265	-0.0007	5.1199	8.6873	1.2869	-0.0052	9.969
318	120	119	2.6836	2.4264	-0.0006	5.1094	8.6467	1.3428	-0.0036	9.9859
319	120	120	2.6714	2.4269	-0.0007	5.0977	8.5374	1.493	-0.0039	10.0264
320	120	121	2.6586	2.4272	-0.0007	5.0851	8.4572	1.6657	-0.0033	10.1196
321	118	121	2.6482	2.4275	-0.0007	5.0751	8.4168	1.734	-0.001	10.1498
322	120	122	2.6376	2.4277	-0.0009	5.0644	8.5418	1.716	0	10.2577
323	122	122	2.6298	2.4272	-0.0011	5.056	8.6142	1.6364	0	10.2506
324	124	123	2.6222	2.4263	-0.0013	5.0472	8.7228	1.5578	0	10.2807

325	123	123	2.6131	2.4255	-0.0015	5.037	8.7211	1.5336	0.0009	10.2557
326	120	124	2.6027	2.4253	-0.0017	5.0264	8.6259	1.6623	0.0036	10.2919
327	123	124	2.5927	2.425	-0.0019	5.0158	8.5212	1.7984	0.0062	10.3257
328	127	125	2.5825	2.4249	-0.0019	5.0055	8.4564	1.8469	0.0082	10.3116
329	129	125	2.5724	2.4246	-0.0019	4.9951	8.4255	1.8863	0.0092	10.321
330	126	126	2.5616	2.4249	-0.0017	4.9848	8.5625	1.767	0.0086	10.338
331	126	126	2.5547	2.4248	-0.0018	4.9777	8.5566	1.8223	0.0056	10.3845
332	128	127	2.5466	2.4245	-0.0017	4.9693	8.4476	1.9491	0.0057	10.4024
333	129	127	2.5393	2.424	-0.0015	4.9618	8.3807	2.0202	0.0036	10.4045
334	129	127	2.5309	2.4241	-0.0013	4.9538	8.351	2.0968	0.0052	10.453
335	130	128	2.5196	2.4247	-0.0012	4.9431	8.3722	2.1044	0.0027	10.4793
336	129	129	2.5072	2.4257	-0.0013	4.9316	8.3438	2.1889	0.001	10.5337
337	128	130	2.4959	2.4268	-0.0014	4.9213	8.4386	2.1406	0.0016	10.5808
338	130	131	2.485	2.4274	-0.0012	4.9112	8.4473	2.1337	0.0026	10.5836
339	128	131	2.4734	2.428	-0.0008	4.9006	8.3995	2.2088	0.0036	10.6118
340	128	132	2.4666	2.4279	-0.0004	4.894	8.402	2.2588	0.0034	10.6642
341	124	133	2.4563	2.4278	-0.0006	4.8835	8.3717	2.3508	0.0024	10.725
342	127	133	2.446	2.4278	-0.0009	4.8729	8.2914	2.4513	0.0008	10.7436
343	132	134	2.4365	2.4276	-0.001	4.8631	8.1643	2.5831	0.0019	10.7493
344	136	135	2.4263	2.4274	-0.0009	4.8529	7.9999	2.744	0.0031	10.7469
345	138	136	2.4147	2.4273	-0.0005	4.8415	7.9178	2.8636	0.007	10.7883
346	140	136	2.4035	2.4272	-0.0005	4.8303	7.8906	2.9184	0.0105	10.8195
347	142	137	2.3954	2.4268	-0.0007	4.8215	7.8439	2.9721	0.0135	10.8294
348	139	138	2.3892	2.4265	-0.0006	4.8151	7.731	3.0584	0.0122	10.8015
349	140	138	2.3839	2.4262	-0.0004	4.8096	7.6498	3.1704	0.0106	10.8309
350	141	139	2.3776	2.4255	-0.0005	4.8026	7.5957	3.2359	0.0113	10.8429
351	141	140	2.3678	2.4248	-0.0007	4.7919	7.5438	3.2441	0.0113	10.7991
352	142	141	2.3574	2.4242	-0.0009	4.7806	7.5099	3.2944	0.014	10.8183
353	144	142	2.3501	2.4199	-0.001	4.769	7.4945	3.3189	0.0159	10.8292
354	146	143	2.354	2.4032	-0.0012	4.756	7.4012	3.4307	0.0178	10.8497
355	143	143	2.3631	2.3813	-0.0014	4.7429	7.3508	3.5397	0.0149	10.9054
356	141	144	2.3691	2.3615	-0.0015	4.7291	7.2642	3.6764	0.0124	10.953
357	142	144	2.374	2.3428	-0.0013	4.7155	7.1308	3.7857	0.0124	10.9289
358	142	145	2.3718	2.3317	-0.0011	4.7023	6.9442	3.8985	0.0121	10.8548
359	145	146	2.3593	2.3308	-0.0008	4.6893	6.7649	4.0633	0.0114	10.8397
360	143	147	2.3327	2.3418	-0.0007	4.6738	6.7273	4.1302	0.0084	10.8659
361	142	148	2.3128	2.3457	-0.0006	4.6579	6.7994	4.0586	0.005	10.863

362	146	149	2.316	2.3329	-0.0005	4.6483	6.8741	3.9848	0	10.8589
363	151	150	2.3164	2.3194	-0.0005	4.6353	6.8677	3.9901	0.0002	10.858
364	150	151	2.3124	2.3078	-0.0005	4.6198	6.8767	3.9955	0.0005	10.8726
365	152	152	2.3111	2.2986	-0.0007	4.609	6.9548	3.9333	0.0004	10.8886
366	150	153	2.3009	2.2969	-0.0006	4.5972	7.0159	3.8987	0.0041	10.9187
367	156	155	2.2955	2.2919	-0.0005	4.5868	7.1215	3.833	0.0063	10.9608
368	158	156	2.295	2.277	-0.0005	4.5715	7.1884	3.7646	0.0045	10.9575
369	157	157	2.2969	2.2602	-0.0007	4.5564	7.8645	3.0854	0.0047	10.9546
370	158	159	2.2951	2.2535	-0.0008	4.5478	7.777	3.1523	0.004	10.9333
371	160	161	2.2753	2.255	-0.0009	4.5294	7.6217	3.2836	0.0048	10.9101
372	162	162	2.2579	2.2628	-0.0009	4.5198	7.4876	3.4184	0.0057	10.9118
373	161	164	2.2389	2.2705	-0.0008	4.5087	7.452	3.4318	0.0027	10.8865
374	167	165	2.229	2.2732	-0.0007	4.5014	7.4246	3.4657	0.0004	10.8907
375	165	166	2.23	2.2607	-0.0007	4.4901	7.4917	3.4177	-0.0024	10.9071
376	172	167	2.2291	2.2473	-0.0007	4.4757	7.6125	3.2998	-0.0063	10.9059
377	170	168	2.2248	2.2428	-0.0007	4.4669	7.6049	3.2823	-0.0095	10.8776
378	170	169	2.2164	2.2393	-0.0008	4.4549	7.6058	3.249	-0.0139	10.8409
379	174	170	2.1932	2.2516	-0.0009	4.4439	7.6648	3.1764	-0.0154	10.8258
380	175	171	2.1857	2.246	-0.0009	4.4308	7.702	3.1181	-0.016	10.8041
381	175	172	2.1864	2.2336	-0.0011	4.4189	7.8554	2.9148	-0.0143	10.756
382	176	173	2.1836	2.2269	-0.001	4.4095	8.3671	2.3999	-0.0122	10.7548
383	172	174	2.1779	2.2193	-0.0011	4.3961	8.5175	2.2189	-0.0106	10.7258
384	171	174	2.1688	2.2181	-0.0011	4.3858	8.6041	2.1295	-0.0061	10.7274
385	174	174	2.1654	2.2092	-0.001	4.3735	8.6651	2.0666	-0.0018	10.7299
386	175	175	2.1504	2.2136	-0.001	4.363	8.6629	2.0222	-0.0013	10.6839
387	177	175	2.1408	2.214	-0.0011	4.3537	8.7416	1.9064	-0.0045	10.6435
388	179	175	2.138	2.2066	-0.0012	4.3433	8.6218	1.9938	-0.0077	10.6079
389	178	174	2.131	2.2013	-0.0012	4.3311	8.4648	2.1359	-0.0053	10.5953
390	175	174	2.1268	2.1917	-0.001	4.3174	8.396	2.1922	0.0001	10.5883
391	175	174	2.1271	2.1814	-0.0009	4.3077	8.3934	2.222	-0.0064	10.609
392	176	174	2.1307	2.1682	-0.001	4.2978	8.2812	2.3148	-0.0227	10.5733
393	172	174	2.1358	2.1525	-0.0013	4.287	8.2025	2.3444	-0.024	10.5228
394	174	174	2.1358	2.141	-0.0015	4.2753	8.1483	2.3624	-0.025	10.4857
395	177	174	2.1275	2.1358	-0.0018	4.2614	8.0739	2.4071	-0.0237	10.4573
396	174	174	2.1199	2.1309	-0.0021	4.2486	8.0921	2.3558	-0.0196	10.4283
397	170	174	2.1178	2.1227	-0.0021	4.2384	8.1396	2.279	-0.0214	10.3971
398	170	173	2.1161	2.112	-0.002	4.2262	8.1152	2.293	-0.0277	10.3805

399	174	173	2.1106	2.1058	-0.0019	4.2144	8.2241	2.2069	-0.0262	10.4047
400	176	172	2.1031	2.1056	-0.002	4.2067	8.2596	2.2126	-0.0208	10.4515
401	175	172	2.0977	2.1004	-0.0021	4.196	8.1967	2.3	-0.0201	10.4765
402	169	172	2.0915	2.0974	-0.0023	4.1866	8.1141	2.3777	-0.0248	10.467
403	171	171	2.0913	2.0861	-0.0026	4.1748	8.3717	2.101	-0.027	10.4458
404	170	171	2.0879	2.0749	-0.0023	4.1605	8.2734	2.1636	-0.0289	10.4082
405	171	171	2.0877	2.0611	-0.002	4.1468	8.2747	2.1447	-0.0319	10.3875
406	171	170	2.0899	2.0503	-0.002	4.1381	8.2977	2.0892	-0.0319	10.355
407	168	170	2.0955	2.0392	-0.002	4.1326	8.3858	1.9361	-0.03	10.292
408	170	170	2.1016	2.023	-0.0019	4.1227	8.4025	1.86	-0.0275	10.2351
409	172	170	2.0959	2.0166	-0.0016	4.1109	8.4483	1.7486	-0.0226	10.1743
410	168	169	2.0775	2.0243	-0.0012	4.1006	8.4944	1.6606	-0.0171	10.1379
411	168	168	2.0607	2.0312	-0.0008	4.0911	8.3733	1.6727	-0.016	10.03
412	169	167	2.0516	2.0302	-0.0006	4.0812	8.3164	1.632	-0.0156	9.9328
413	169	167	2.0421	2.0289	-0.0007	4.0703	8.3806	1.5434	-0.0144	9.9096
414	169	166	2.0247	2.035	-0.0009	4.0587	8.4047	1.4425	-0.0115	9.8357
415	165	166	2.0096	2.038	-0.0012	4.0463	8.4993	1.2535	-0.0126	9.7403
416	170	166	1.9907	2.0438	-0.0014	4.0332	8.706	1.0174	-0.0195	9.7039
417	169	165	1.9752	2.05	-0.0011	4.0241	8.7448	0.9279	-0.0197	9.6531
418	163	165	1.8972	2.1179	-0.0011	4.0139	8.7718	0.8727	-0.0182	9.6263
419	160	164	1.8937	2.1117	-0.0011	4.0044	8.895	0.6781	-0.0212	9.5519
420	160	164	1.8964	2.0988	-0.0012	3.9941	9.1414	0.3576	-0.0268	9.4722
421	159	163	1.8995	2.0857	-0.0013	3.9839	9.4563	0.0273	-0.0298	9.4538
422	159	163	1.8924	2.0845	-0.0012	3.9757	9.5718	-0.2118	-0.0302	9.3297
423	160	162	1.8873	2.0807	-0.0011	3.9669	9.6281	-0.2823	-0.0304	9.3154
424	166	161	1.8731	2.0845	-0.001	3.9565	9.6033	-0.3418	-0.026	9.2354
425	165	160	1.8518	2.0955	-0.0009	3.9464	9.7967	-0.5692	-0.0241	9.2033
426	161	159	1.8423	2.0971	-0.0007	3.9386	10.0857	-0.9188	-0.024	9.1429
427	161	158	1.8321	2.1001	-0.0005	3.9317	10.2689	-1.1918	-0.0249	9.0522
428	159	157	1.816	2.1073	-0.0004	3.9229	10.6242	-1.5299	-0.0276	9.0668
429	160	157	1.8022	2.1128	-0.0003	3.9147	10.6274	-1.642	-0.0304	8.955
430	162	156	1.7761	2.1334	-0.0003	3.9092	10.5009	-1.5152	-0.0309	8.9547
431	155	155	1.718	2.1848	-0.0006	3.9022	10.5257	-1.6174	-0.031	8.8773
432	154	154	1.6948	2.2026	-0.0007	3.8968	10.6636	-1.8097	-0.0309	8.823
433	152	153	1.6789	2.211	-0.0009	3.8891	10.7186	-1.8965	-0.0271	8.795
434	150	152	1.6644	2.2174	-0.0011	3.8808	10.7153	-1.9598	-0.0282	8.7272
435	152	150	1.6533	2.2225	-0.0011	3.8747	10.672	-1.9512	-0.0283	8.6925

436	148	149	1.633	2.235	-0.0008	3.8672	10.6843	-2.0254	-0.0289	8.63
437	146	148	1.6337	2.2274	-0.0006	3.8605	10.5574	-1.9637	-0.0275	8.5663
438	145	147	1.6385	2.2139	-0.0007	3.8517	10.4453	-1.9459	-0.0246	8.4749
439	143	146	1.6338	2.2088	-0.0008	3.8418	10.4809	-2.033	-0.0208	8.4271
440	142	144	1.6272	2.2057	0.0002	3.8331	10.4275	-2.0639	-0.0181	8.3456
441	144	143	1.6282	2.1963	0.0016	3.8262	10.3887	-2.1325	-0.0171	8.2391
442	143	142	1.6257	2.1934	0.0015	3.8206	10.4813	-2.2341	-0.0195	8.2277
443	138	141	1.6217	2.1914	0.0015	3.8145	10.5513	-2.3645	-0.0216	8.1652
444	142	141	1.6189	2.1867	0.0015	3.8071	10.6091	-2.4693	-0.0255	8.1143
445	142	140	1.6055	2.1918	0.0014	3.7986	10.6177	-2.5457	-0.0287	8.0432
446	136	139	1.5896	2.1993	0.0017	3.7906	10.6165	-2.5997	-0.0338	7.983
447	137	139	1.5838	2.1975	0.0021	3.7835	10.7384	-2.7859	-0.0381	7.9144
448	136	138	1.5668	2.2058	0.002	3.7746	11.0127	-3.1031	-0.0393	7.8702
449	136	138	1.558	2.2049	0.0016	3.7645	11.1586	-3.3095	-0.0386	7.8106
450	135	137	1.5579	2.1955	0.0015	3.755	11.056	-3.2896	-0.0372	7.7292
451	136	136	1.5564	2.187	0.0018	3.7452	10.8868	-3.1475	-0.0372	7.7021
452	136	135	1.5202	2.2141	0.0018	3.736	10.8429	-3.1499	-0.0358	7.6572
453	137	135	1.5227	2.2035	0.0019	3.7282	10.8396	-3.1607	-0.0377	7.6412
454	138	134	1.5265	2.1887	0.002	3.7173	10.8581	-3.2333	-0.0415	7.5833
455	138	133	1.5333	2.1723	0.0017	3.7074	10.9076	-3.3501	-0.0376	7.5198
456	136	133	1.5306	2.1678	0.0015	3.6999	10.9755	-3.486	-0.032	7.4576
457	133	132	1.5338	2.1568	0.0014	3.692	11.0354	-3.5832	-0.0301	7.4221
458	130	131	1.5269	2.1568	0.0012	3.6849	11.1255	-3.6752	-0.03	7.4204
459	130	131	1.5099	2.1647	0.0009	3.6755	11.1625	-3.7492	-0.0287	7.3845
460	127	130	1.4954	2.1745	0.0009	3.6708	11.1369	-3.7625	-0.0256	7.3488
461	128	130	1.4811	2.1825	0.001	3.6646	11.0775	-3.7482	-0.0217	7.3076
462	128	128	1.4779	2.1786	0.0009	3.6574	11.0166	-3.7402	-0.0203	7.2561
463	128	128	1.4759	2.1752	0.0007	3.6518	11.0158	-3.7882	-0.0193	7.2084
464	126	127	1.4625	2.1825	0.0008	3.6458	10.9395	-3.7747	-0.0211	7.1437
465	125	126	1.4405	2.1969	0.0013	3.6386	10.7802	-3.6718	-0.0234	7.085
466	125	125	1.4264	2.2041	0.0014	3.6319	10.6999	-3.6515	-0.0281	7.0203
467	126	124	1.4183	2.2046	0.0013	3.6242	10.5683	-3.6058	-0.033	6.9295
468	126	124	1.4055	2.2092	0.0016	3.6163	10.455	-3.5327	-0.0304	6.8919
469	124	123	1.3827	2.2244	0.002	3.6092	9.7221	-2.8392	-0.0274	6.8555
470	121	123	1.3494	2.2508	0.0022	3.6024	9.747	-2.9056	-0.0271	6.8143
471	116	123	1.3181	2.2762	0.0021	3.5964	9.8475	-3.0486	-0.0288	6.7702
472	121	122	1.2951	2.291	0.0021	3.5883	9.9395	-3.1912	-0.0301	6.7181

473	124	122	1.2786	2.3047	0.0018	3.5851	9.9039	-3.1976	-0.0306	6.6757
474	118	122	1.2493	2.3301	0.0017	3.5811	9.8669	-3.1933	-0.0301	6.6435
475	117	121	1.2215	2.3526	0.0017	3.5758	9.699	-3.0709	-0.028	6.6001
476	119	121	1.2023	2.3665	0.0018	3.5705	9.4518	-2.879	-0.0268	6.546
477	121	120	1.1624	2.3957	0.0021	3.5602	9.3677	-2.8302	-0.026	6.5115
478	121	120	1.1536	2.4035	0.0023	3.5594	9.305	-2.7785	-0.0245	6.502
479	120	119	1.1431	2.4031	0.0022	3.5484	9.149	-2.6715	-0.0232	6.4543
480	121	119	1.1331	2.4077	0.0022	3.543	9.0763	-2.6557	-0.0207	6.3999
481	125	119	1.1201	2.4145	0.002	3.5366	8.9926	-2.5741	-0.0175	6.4011
482	124	118	1.1117	2.4165	0.0017	3.53	8.9986	-2.4695	-0.0159	6.5132
483	119	118	1.1064	2.4152	0.0017	3.5233	9.5121	-3.0521	-0.0178	6.4422
484	117	117	1.1016	2.4132	0.0017	3.5165	9.885	-3.0944	-0.6093	6.1813
485	116	117	1.0969	2.4117	0.0019	3.5105	10.6752	-2.6819	-1.6562	6.3371
486	116	116	1.0947	2.41	0.0017	3.5064	10.5866	-2.6965	-1.6912	6.199
487	114	116	1.0963	2.4086	0.0014	3.5063	10.2877	-2.5213	-1.7094	6.0571
488	111	115	1.0899	2.4099	0.0009	3.5006	10.2282	-2.6091	-1.713	5.9061
489	113	115	1.0882	2.4077	0.0006	3.4965	10.2784	-2.7364	-1.7046	5.8375
490	116	114	1.0879	2.4049	0.0007	3.4935	10.2904	-2.8481	-1.6958	5.7465
491	114	113	1.079	2.4048	0.0011	3.4849	10.3205	-2.7956	-1.8922	5.6327
492	111	112	1.0755	2.4046	0.0011	3.4813	10.4262	-2.1607	-2.7035	5.562
493	110	112	1.0749	2.3994	0.0012	3.4756	10.0417	-2.2089	-2.2864	5.5464
494	111	111	1.074	2.3956	0.0014	3.471	9.8161	-2.2592	-2.0441	5.5129
495	111	110	1.0658	2.3957	0.0015	3.4631	9.7514	-2.3049	-1.9899	5.4566
496	109	110	1.0461	2.4095	0.0017	3.4572	9.6104	-2.2572	-1.9703	5.3829
497	111	110	1.0165	2.433	0.0018	3.4513	9.4508	-2.1886	-1.9622	5.2999
498	110	109	1.0003	2.443	0.0019	3.4452	9.434	-2.2138	-1.9478	5.2724
499	108	109	1.005	2.4347	0.0018	3.4415	9.2875	-2.136	-1.9305	5.221
500	109	108	1.0144	2.4204	0.0017	3.4365	9.3101	-2.1525	-2.026	5.1315
501	108	108	1.0134	2.4154	0.0015	3.4303	9.4559	-2.2532	-2.1262	5.0765
502	105	107	1.0075	2.4135	0.0015	3.4225	9.4834	-2.3398	-2.1577	4.986
503	105	107	1.0055	2.4094	0.0016	3.4165	9.1819	-2.0704	-2.1427	4.9689
504	107	107	0.9972	2.4099	0.0015	3.4085	9.2412	-2.1702	-2.19	4.8809
505	106	106	0.9901	2.4097	0.0012	3.401	9.44	-2.3231	-2.3215	4.7955
506	106	106	0.9864	2.4086	0.001	3.3959	9.4767	-2.4914	-2.2994	4.686
507	106	105	0.9829	2.4067	0.001	3.3906	9.3298	-2.5331	-2.1775	4.6193
508	107	105	0.9854	2.3979	0.001	3.3843	9.8133	-2.6387	-2.3439	4.8306
509	106	105	0.9822	2.3929	0.0009	3.376	9.9888	-2.652	-2.8406	4.4962

510	103	104	0.9698	2.3991	0.001	3.3699	9.8856	-2.5666	-2.8372	4.4818
511	105	104	0.959	2.4052	0.0012	3.3655	9.7874	-2.4721	-2.8329	4.4824
512	105	103	0.95	2.4091	0.0013	3.3604	9.5687	-2.3919	-2.7123	4.4645
513	104	103	0.9482	2.4064	0.0014	3.356	9.589	-2.4365	-2.7023	4.4501
514	103	103	0.9466	2.4022	0.0014	3.3502	9.6332	-2.4792	-2.7282	4.4258
515	101	102	0.9396	2.4032	0.0016	3.3443	9.6273	-2.4107	-2.8478	4.3688
516	99.9	102	0.9339	2.4044	0.0019	3.3402	9.4396	-2.2737	-2.8461	4.3197
517	99.6	101	0.9297	2.4033	0.0019	3.3349	9.2741	-2.209	-2.7842	4.2809
518	101	101	0.9249	2.4018	0.0016	3.3284	9.1746	-2.2117	-2.7317	4.2312
519	100	101	0.919	2.4023	0.0016	3.3229	9.121	-2.1672	-2.7601	4.1937
520	98	100	0.9117	2.4037	0.0017	3.3171	8.9746	-2.0142	-2.8049	4.1556
521	98.9	99.9	0.9055	2.4048	0.0017	3.3121	8.6493	-1.7504	-2.7768	4.1222
522	101	99.5	0.902	2.4042	0.0019	3.3082	8.2911	-1.4966	-2.7185	4.076
523	100	99.1	0.9006	2.4	0.0019	3.3025	8.0142	-1.3489	-2.6709	3.9944
524	98.3	98.8	0.9032	2.3916	0.0018	3.2965	7.835	-1.212	-2.6615	3.9616
525	98.4	98.5	0.9066	2.3834	0.0018	3.2918	7.5531	-0.9557	-2.6766	3.9209
526	98.2	98.1	0.9055	2.3801	0.0019	3.2875	7.2647	-0.727	-2.6713	3.8664
527	97.3	97.6	0.9016	2.378	0.0019	3.2815	7.0448	-0.5868	-2.6533	3.8048
528	98.6	97.3	0.9011	2.3744	0.002	3.2775	6.616	-0.2918	-2.6195	3.7047
529	98.8	96.9	0.8945	2.3784	0.0018	3.2747	6.5309	-0.2193	-2.6043	3.7072
530	96.7	96.6	0.8768	2.3908	0.0014	3.2691	6.4681	-0.2302	-2.617	3.6209
531	97.3	96.2	0.8181	2.4317	0.001	3.2509	6.4283	-0.184	-2.6377	3.6066
532	97.5	95.7	0.7436	2.5078	0.0011	3.2526	6.3567	-0.1147	-2.6452	3.5968
533	96.6	95	0.6904	2.5205	0.06	3.2709	6.3256	-0.095	-2.6955	3.535
534	95	94	0.5969	2.4856	0.1645	3.2471	6.2658	-0.1097	-2.6732	3.4829
535	92.3	93	0.5946	2.4921	0.168	3.2548	6.2205	-0.13	-2.6866	3.404
536	91.3	92	0.6043	2.4872	0.1701	3.2615	6.1456	-0.1451	-2.6607	3.3398
537	94.4	91	0.6109	2.4883	0.1707	3.2699	6.1278	-0.1619	-2.6695	3.2964
538	92.7	89.9	0.6106	2.4875	0.1698	3.2679	6.1105	-0.1707	-2.6568	3.283
539	92	88.9	0.6047	2.4936	0.1688	3.2671	6.0552	-0.1542	-2.6699	3.2312
540	92.1	88	0.5952	2.4853	0.1894	3.2699	6.0752	-0.1732	-2.6875	3.2145
541	91.4	86.9	0.5856	2.4124	0.272	3.27	6.0731	-0.1994	-2.6969	3.1768
542	86.3	85.9	0.6216	2.4143	0.2301	3.266	5.984	-0.197	-2.6836	3.1034
543	78.6	84.8	0.6401	2.4173	0.2059	3.2632	6.7197	-0.697	-2.6347	3.3881
544	80	83.9	0.6438	2.4172	0.2005	3.2615	7.1935	-0.8179	-3.0791	3.2965
545	78.4	83.1	0.6444	2.4175	0.1984	3.2603	7.2237	-0.8395	-3.175	3.2093
546	79	82.4	0.6445	2.4182	0.1979	3.2606	7.1139	-0.827	-3.1704	3.1166

547	77.8	81.6	0.6404	2.4189	0.1969	3.2562	6.8795	-0.6781	-3.1516	3.0498
548	79.7	80.8	0.6381	2.4194	0.1951	3.2525	6.5701	-0.4335	-3.1385	2.9981
549	80.4	80	0.6269	2.4202	0.2042	3.2513	6.3926	-0.3329	-3.1132	2.9466
550	76.4	79.2	0.6123	2.4208	0.2141	3.2473	6.4224	-0.4106	-3.106	2.9059
551	78.5	78.4	0.6081	2.421	0.2175	3.2466	6.5165	-0.5448	-3.1108	2.8608
552	75.6	77.8	0.602	2.4211	0.2161	3.2392	6.4904	-0.5887	-3.0874	2.8143
553	77.2	77.5	0.5986	2.4205	0.2209	3.2401	6.3939	-0.6051	-3.0518	2.737
554	77.5	77	0.5825	2.421	0.2341	3.2377	6.3394	-0.6448	-3.0137	2.6809
555	77.6	76.6	0.5856	2.4215	0.2317	3.2388	6.2675	-0.6353	-3.0115	2.6206
556	79	76.1	0.5976	2.4211	0.2193	3.238	6.2156	-0.6344	-3.0255	2.5557
557	78.1	75.7	0.5525	2.4206	0.2358	3.2089	6.1184	-0.6456	-2.9777	2.4951
558	77.1	75.2	0.5281	2.422	0.2852	3.2353	6.0371	-0.6588	-2.9486	2.4297
559	75.4	74.5	0.5213	2.4214	0.2846	3.2273	6.0458	-0.7407	-2.9333	2.3718
560	76.5	74	0.5166	2.4217	0.2842	3.2226	5.9707	-0.7859	-2.886	2.2989
561	75.4	73.4	0.5243	2.4217	0.2722	3.2182	5.8322	-0.7304	-2.8457	2.2561
562	73.4	72.8	0.519	2.4222	0.2712	3.2124	5.7713	-0.6772	-2.885	2.2091
563	70.4	72	0.5126	2.4231	0.2735	3.2092	5.6891	-0.6392	-2.8778	2.1722
564	70.5	71.1	0.4998	2.4235	0.2856	3.2089	5.6723	-0.658	-2.8586	2.1558
565	70.1	70.2	0.4965	2.4243	0.2859	3.2067	5.6694	-0.683	-2.8628	2.1236
566	70.5	69.1	0.499	2.425	0.2798	3.2038	5.6427	-0.6588	-2.888	2.0958
567	69.2	68.1	0.5008	2.4258	0.2745	3.2011	5.5983	-0.6387	-2.8862	2.0733
568	67.4	67.2	0.4934	2.4259	0.2776	3.1969	5.5468	-0.6363	-2.8801	2.0304
569	67.3	66.3	0.4853	2.4258	0.2825	3.1936	5.4748	-0.6396	-2.86	1.9753
570	66	65.4	0.4845	2.4258	0.2798	3.1902	5.3974	-0.6277	-2.8403	1.9294
571	64.3	64.4	0.489	2.4259	0.274	3.1888	5.3353	-0.6062	-2.8399	1.8891
572	61.9	63.5	0.4937	2.4259	0.2692	3.1889	5.2894	-0.5972	-2.8341	1.8581
573	60.4	62.7	0.4951	2.4259	0.2679	3.189	5.2705	-0.6065	-2.8305	1.8335
574	60.5	61.8	0.494	2.4257	0.2694	3.189	5.2562	-0.6449	-2.8262	1.7852
575	59.4	61	0.495	2.4253	0.2688	3.1891	5.2792	-0.732	-2.8043	1.7429
576	58.8	60.2	0.4978	2.4252	0.2671	3.19	5.2738	-0.8258	-2.7492	1.6989
577	58.9	59.4	0.5008	2.4249	0.264	3.1897	5.2434	-0.8557	-2.743	1.6447
578	58.7	58.6	0.5005	2.4255	0.2627	3.1887	5.1975	-0.8678	-2.7308	1.5988
579	58.7	58	0.4963	2.4261	0.2639	3.1863	5.1927	-0.8938	-2.7367	1.5621
580	56.3	57.3	0.4903	2.4261	0.266	3.1824	5.1301	-0.8515	-2.7424	1.5362
581	56.1	56.8	0.4844	2.426	0.2665	3.1769	4.9543	-0.7181	-2.7569	1.4793
582	55.5	56.2	0.4792	2.426	0.2713	3.1765	4.381	-0.3158	-2.7481	1.3171
583	54.4	55.7	0.4798	2.4262	0.269	3.175	3.6457	0.4326	-2.7369	1.3415

584	55.2	55.2	0.4796	2.4262	0.2704	3.1761	3.1231	0.5308	-2.1391	1.5148
585	54.2	54.7	0.4824	2.4262	0.2679	3.1765	2.1696	0.1934	-1.0968	1.2662
586	54	54.1	0.4819	2.4261	0.2687	3.1767	2.1479	0.2816	-1.0828	1.3467
587	53.6	53.6	0.4852	2.4257	0.2671	3.178	2.2434	0.2292	-1.0615	1.4111
588	54.6	53.1	0.4843	2.4253	0.2678	3.1775	2.3085	0.239	-1.0487	1.4989
589	53.3	52.5	0.4807	2.425	0.2694	3.1751	2.3033	0.226	-1.0453	1.484
590	53.8	52.1	0.4806	2.4249	0.2704	3.1758	2.2412	0.2717	-1.0386	1.4743
591	51.1	51.6	0.4806	2.4245	0.2694	3.1745	2.1425	0.1854	-0.8286	1.4992
592	51.8	51.1	0.4036	2.4743	0.2646	3.1425	2.0282	-0.5303	-0.0006	1.4974
593	50.4	50.6	0.3556	2.4812	0.3092	3.1459	2.3532	-0.4957	-0.4064	1.4511
594	49.4	50.1	0.3516	2.4796	0.3189	3.1501	2.5325	-0.4629	-0.6412	1.4285
595	48.6	49.6	0.3544	2.4784	0.3186	3.1514	2.5495	-0.4612	-0.6765	1.4118
596	48.7	48.9	0.3581	2.4773	0.3168	3.1522	2.5599	-0.455	-0.7001	1.4049
597	48.2	48.4	0.3595	2.4764	0.3157	3.1515	2.5589	-0.45	-0.7019	1.407
598	47.9	47.9	0.361	2.4763	0.3132	3.1505	2.4972	-0.447	-0.7018	1.3484
599	48.1	47.4	0.3627	2.4758	0.3124	3.1509	2.4745	-0.4579	-0.707	1.3096
600	47.4	46.9	0.3628	2.4749	0.3128	3.1505	2.3871	-0.4558	-0.6277	1.3036
601	46.2	46.4	0.3644	2.4742	0.3102	3.1488	2.2629	-0.4422	-0.5454	1.2752
602	45.6	45.9	0.3681	2.474	0.3067	3.1488	2.2092	-0.4569	-0.4911	1.2612
603	45.2	45.5	0.3716	2.4739	0.303	3.1484	2.1556	-0.4555	-0.5137	1.1864
604	43.6	45.1	0.3704	2.4734	0.3026	3.1464	2.1257	-0.4675	-0.4612	1.197
605	42.4	44.7	0.3686	2.4732	0.3038	3.1455	1.971	-0.4838	-0.3038	1.1834
606	43.9	44.3	0.3745	2.4732	0.2987	3.1464	2.0042	-0.4788	-0.3322	1.1932
607	44.8	43.9	0.3792	2.4726	0.2958	3.1476	2.1461	-0.5005	-0.4477	1.198
608	43.7	43.4	0.3808	2.472	0.2943	3.1471	1.712	-0.507	-0.2956	0.9094
609	43.2	43	0.3851	2.4715	0.2895	3.1461	1.4902	-0.4705	0.1727	1.1924
610	42.3	42.6	0.3866	2.4721	0.2855	3.1443	1.4132	-0.4537	0.1595	1.1191
611	42.8	42.1	0.3819	2.473	0.2897	3.1446	1.3581	-0.4591	0.1688	1.0678
612	42.3	41.8	0.3811	2.473	0.2891	3.1431	1.4559	-0.4873	0.0747	1.0434
613	41.7	41.4	0.381	2.4722	0.2872	3.1404	1.4198	-0.482	0.071	1.0089
614	41.2	41.1	0.3797	2.4705	0.2877	3.1379	1.4515	-0.4925	0.0583	1.0173
615	40.9	40.9	0.3753	2.469	0.2904	3.1347	1.3251	-0.4826	0.1802	1.0227
616	40.5	40.6	0.374	2.4683	0.2906	3.1329	1.2658	-0.4551	0.1778	0.9885
617	40	40.3	0.375	2.4669	0.2899	3.1319	1.2554	-0.4255	0.1269	0.9568
618	38.9	39.9	0.3775	2.4658	0.2876	3.1309	1.2399	-0.401	0.0784	0.9174
619	39.9	39.5	0.3793	2.465	0.2856	3.13	1.1804	-0.4108	0.1342	0.9037
620	38.1	39.2	0.3782	2.4643	0.2857	3.1282	1.1198	-0.4237	0.1808	0.8769

621	38.4	39	0.3766	2.4645	0.2852	3.1263	1.114	-0.4092	0.1499	0.8547
622	38.2	38.9	0.375	2.4649	0.2849	3.1248	1.1456	-0.4245	0.1273	0.8484
623	38.4	38.8	0.375	2.4645	0.2845	3.124	1.1815	-0.4289	0.1086	0.8612
624	38.6	38.7	0.3752	2.4648	0.2822	3.1222	1.1846	-0.429	0.1041	0.8597
625	38.6	38.7	0.3793	2.466	0.2767	3.1219	1.192	-0.3954	0.0646	0.8612
626	37.4	38.6	0.3811	2.4657	0.2762	3.123	1.1829	-0.3951	0.0579	0.8457
627	37	38.6	0.3819	2.4647	0.275	3.1216	1.2027	-0.3905	0.0437	0.856
628	36.4	38.5	0.3819	2.4638	0.2756	3.1213	1.2326	-0.3883	0.0087	0.853
629	36.3	38.3	0.3815	2.4636	0.276	3.1211	1.2294	-0.3908	-0.0017	0.8369
630	38.9	38.2	0.3814	2.4626	0.2771	3.1212	1.1886	-0.3793	0.0103	0.8197
631	39.4	38.1	0.38	2.4633	0.2758	3.1192	1.1105	-0.3652	0.0477	0.7931
632	39.3	38.1	0.3791	2.4645	0.2748	3.1184	1.0331	-0.3483	0.0527	0.7375
633	40.4	38	0.3781	2.4674	0.274	3.1195	0.9849	-0.3597	0.1039	0.7291
634	40.2	37.9	0.3799	2.4663	0.2742	3.1204	1.0146	-0.3763	0.0822	0.7205
635	39.6	37.8	0.3798	2.464	0.2763	3.1201	1.0179	-0.3915	0.1109	0.7373
636	40	37.9	0.3799	2.4642	0.2763	3.1204	2.7614	-0.3748	0.0742	2.4608
637	36.8	38	0.3801	2.4644	0.2756	3.12	2.606	-0.3658	-0.813	1.4272
638	36.3	38	0.3803	2.4649	0.2743	3.1195	2.4266	-0.3941	-1.0685	0.964
639	36.5	38.1	0.3806	2.4664	0.2726	3.1197	2.4282	-0.3978	-1.0406	0.9898
640	36.3	38	0.3809	2.4667	0.2723	3.1199	2.3963	-0.3678	-1.0343	0.9941
641	37	37.9	0.3828	2.4654	0.2721	3.1203	2.4028	-0.3204	-1.0251	1.0573
642	36.9	37.8	0.3862	2.4638	0.2708	3.1208	2.4003	-0.2864	-1.0359	1.0779
643	36.5	37.6	0.3868	2.4636	0.27	3.1204	1.617	0.2305	-1.0742	0.7733
644	37.9	37.4	0.3888	2.4633	0.2681	3.1203	1.1437	0.3213	-0.6309	0.8341
645	38.7	37.2	0.3884	2.463	0.2684	3.1198	1.1231	0.3308	-0.5597	0.8941
646	37.9	36.9	0.3886	2.4632	0.2681	3.1199	1.1478	0.3395	-0.5778	0.9095
647	37.7	36.8	0.3907	2.4636	0.267	3.1214	1.171	0.3403	-0.5887	0.9226
648	37.5	36.8	0.3906	2.4652	0.2658	3.1216	1.1665	0.3225	-0.572	0.917
649	37.3	36.8	0.3882	2.4658	0.267	3.121	1.1574	0.2943	-0.5457	0.906
650	36.8	36.7	0.3861	2.4651	0.2687	3.1198	1.1796	0.2372	-0.5055	0.9114
651	37.2	36.7	0.3872	2.4667	0.2667	3.1205	1.2689	0.1202	-0.4572	0.9319
652	36.7	36.6	0.3864	2.4666	0.2674	3.1205	1.4024	-0.0183	-0.4304	0.9536
653	36.4	36.5	0.3861	2.4673	0.267	3.1204	1.4677	-0.1324	-0.4145	0.9208
654	35.9	36.3	0.3854	2.4694	0.2645	3.1194	1.4969	-0.18	-0.3973	0.9196
655	35.2	36.1	0.3852	2.4693	0.2649	3.1195	1.4325	-0.1645	-0.3814	0.8867
656	34.5	36	0.383	2.4712	0.2641	3.1182	1.3585	-0.1628	-0.2945	0.9012
657	36	35.9	0.3812	2.4713	0.2654	3.118	1.4163	-0.1519	-0.3465	0.9179

658	36	35.8	0.379	2.469	0.268	3.1161	1.4621	-0.1611	-0.3478	0.9532
659	35.2	35.7	0.38	2.4668	0.2686	3.1154	1.5252	-0.1589	-0.3968	0.9695
660	36.4	35.6	0.3808	2.4676	0.2673	3.1158	1.6275	-0.1988	-0.4349	0.9938
661	36	35.4	0.3787	2.4704	0.2648	3.1139	1.6846	-0.2249	-0.4768	0.9829
662	34.3	35.3	0.377	2.4704	0.2641	3.1115	1.6968	-0.2365	-0.4601	1.0002
663	35	35.2	0.3674	2.4724	0.2677	3.1075	1.7001	-0.2321	-0.4712	0.9968
664	34.6	35	0.3673	2.4718	0.2676	3.1066	1.7086	-0.2266	-0.524	0.958
665	35.3	34.8	0.37	2.4698	0.2681	3.1078	1.6447	-0.2225	-0.4778	0.9443
666	34.9	34.6	0.3734	2.4676	0.2671	3.1081	1.5534	-0.2192	-0.3785	0.9558
667	35.6	34.4	0.3768	2.4659	0.2667	3.1094	1.4765	-0.1921	-0.3442	0.9402
668	35.7	34.1	0.3754	2.467	0.2642	3.1066	1.4879	-0.1966	-0.3554	0.936
669	35.3	33.9	0.3733	2.4682	0.2644	3.1059	1.4822	-0.2285	-0.3448	0.9089
670	34.2	33.6	0.3731	2.4667	0.2649	3.1047	1.4876	-0.2466	-0.3496	0.8914
671	34.9	33.3	0.3744	2.4683	0.2612	3.104	1.4998	-0.2443	-0.3812	0.8743
672	33.4	33.3	0.3756	2.4688	0.2584	3.1027	1.4998	-0.2353	-0.4044	0.8601
673	31.7	33.2	0.3767	2.4688	0.2575	3.103	1.5337	-0.2345	-0.4421	0.8571
674	32.4	33.1	0.3748	2.4652	0.2629	3.1029	1.5763	-0.242	-0.4862	0.8481
675	31.3	33	0.3767	2.4648	0.263	3.1046	1.6394	-0.246	-0.5393	0.8541
676	31	33	0.3775	2.4642	0.2627	3.1044	1.7564	-0.242	-0.6348	0.8795
677	30.5	33.1	0.3775	2.4638	0.2631	3.1044	1.7478	-0.245	-0.6211	0.8817
678	30.9	33.1	0.3776	2.4645	0.2629	3.105	1.6868	-0.2546	-0.5566	0.8755
679	31.2	33.2	0.3774	2.464	0.2629	3.1043	1.6184	-0.2706	-0.4775	0.8703
680	31.1	33.3	0.3793	2.4626	0.2612	3.1031	1.7198	-0.2798	-0.5641	0.8759
681	33.1	33.4	0.3811	2.4608	0.2612	3.1031	1.8721	-0.2906	-0.6893	0.8921
682	33.3	33.5	0.3807	2.462	0.2609	3.1036	1.9252	-0.2855	-0.7649	0.8749
683	32.9	33.7	0.3784	2.4638	0.2608	3.103	1.9136	-0.2853	-0.7799	0.8485
684	33.9	33.8	0.3778	2.4654	0.2593	3.1024	1.9398	-0.2469	-0.8471	0.8458
685	35.1	34	0.2062	2.4637	0.2605	2.9304	1.9921	-0.2639	-0.8755	0.8528
686	36	34.2	0.2213	2.4627	0.35	3.034	2.0032	-0.2891	-0.8541	0.86
687	36.2	34.3	0.2426	2.4651	0.3739	3.0816	2.0799	-0.2835	-0.8877	0.9087
688	37.1	34.4	0.2415	2.4651	0.3719	3.0785	2.0461	-0.2925	-0.8452	0.9084
689	36.8	34.5	0.2411	2.4618	0.3728	3.0757	2.0724	-0.2991	-0.8683	0.9049
690	36.4	34.6	0.2403	2.4569	0.3729	3.0701	2.0966	-0.2855	-0.9016	0.9095
691	36.1	34.6	0.2406	2.4532	0.373	3.0668	2.1074	-0.2685	-0.9115	0.9274
692	34.6	34.7	0.2419	2.4513	0.372	3.0652	2.1614	-0.2817	-0.9217	0.958
693	34.9	34.7	0.2412	2.4491	0.3722	3.0625	2.2416	-0.3088	-0.9622	0.9706
694	35.6	34.7	0.2393	2.4465	0.3748	3.0607	2.2755	-0.3115	-0.9844	0.9796

695	33.9	34.5	0.2396	2.4445	0.3764	3.0605	2.2921	-0.2974	-0.9907	1.004
696	32.4	34.4	0.241	2.4432	0.3757	3.0599	2.2222	-0.31	-0.9027	1.0094
697	32.7	34.3	0.2428	2.4441	0.3729	3.0598	2.181	-0.3129	-0.8507	1.0174
698	33	34.1	0.2453	2.4468	0.3678	3.0599	2.1695	-0.2849	-0.8391	1.0455
699	32.8	34	0.2448	2.4521	0.3629	3.0598	2.1168	-0.2291	-0.8348	1.053
700	33.3	33.9	0.2359	2.4629	0.3585	3.0573	2.1091	-0.2375	-0.8242	1.0474
701	34.7	33.7	0.2242	2.4761	0.3532	3.0535	2.1018	-0.2857	-0.7576	1.0585
702	34.6	33.8	0.2213	2.4872	0.3481	3.0567	2.0944	-0.2928	-0.7278	1.0737
703	32.6	33.8	0.2219	2.4919	0.3427	3.0565	2.0984	-0.3034	-0.7395	1.0555
704	32.7	33.7	0.2272	2.4899	0.3408	3.0578	2.1185	-0.2953	-0.7744	1.0487
705	33.8	33.7	0.2327	2.4894	0.3332	3.0554	2.0957	-0.2651	-0.8123	1.0184
706	33	33.8	0.2329	2.4883	0.3334	3.0546	2.0771	-0.2662	-0.8135	0.9974
707	34	33.9	0.233	2.4887	0.3306	3.0523	2.0657	-0.2365	-0.8555	0.9736
708	34.5	33.9	0.2283	2.4878	0.334	3.0501	2.0569	-0.215	-0.8615	0.9804
709	34	33.9	0.2224	2.4913	0.333	3.0468	2.0513	-0.243	-0.8061	1.0023
710	34.2	33.9	0.2181	2.4946	0.3332	3.046	2.0698	-0.2732	-0.7819	1.0148
711	35.1	33.8	0.2122	2.4966	0.3357	3.0446	2.0823	-0.2702	-0.7677	1.0444
712	34.4	33.7	0.2111	2.4962	0.3362	3.0435	2.0748	-0.2376	-0.7986	1.0386
713	34.1	33.7	0.2101	2.4949	0.3396	3.0446	2.0609	-0.2193	-0.8212	1.0204
714	34.9	33.7	0.2152	2.4927	0.3355	3.0434	1.9763	-0.1915	-0.7765	1.0083
715	34	33.6	0.22	2.491	0.3282	3.0392	2.0395	-0.2041	-0.8039	1.0315
716	33.8	33.6	0.2264	2.4875	0.325	3.0389	2.1072	-0.234	-0.8255	1.0477
717	33.5	33.5	0.2262	2.4866	0.3255	3.0383	2.1648	-0.264	-0.8394	1.0615
718	33	33.4	0.2292	2.4886	0.3221	3.04	2.2113	-0.2839	-0.8487	1.0786
719	33.6	33.3	0.2305	2.4897	0.3206	3.0408	2.1868	-0.2686	-0.8778	1.0404
720	33	33.2	0.2282	2.4887	0.3238	3.0407	2.1789	-0.2559	-0.8832	1.0398
721	31.7	33.2	0.2266	2.4881	0.3256	3.0402	2.208	-0.2803	-0.8913	1.0364
722	32.4	33.2	0.2216	2.4883	0.3291	3.0391	2.2461	-0.277	-0.9331	1.0359
723	33.2	33.2	0.2174	2.4887	0.3332	3.0392	2.2408	-0.2723	-0.9317	1.0368
724	32.3	33.2	0.2113	2.4894	0.3361	3.0368	2.2344	-0.2637	-0.918	1.0527
725	32.1	33.3	0.2036	2.4902	0.3402	3.034	2.2244	-0.3115	-0.8496	1.0634
726	32.9	33.4	0.2064	2.4902	0.3383	3.0349	2.2495	-0.3476	-0.8063	1.0957
727	32.4	33.5	0.2132	2.4902	0.3307	3.0341	2.2409	-0.3538	-0.7948	1.0923
728	32.1	33.6	0.22	2.4909	0.3234	3.0343	2.2496	-0.349	-0.7925	1.108
729	33.2	33.6	0.2096	2.4915	0.3324	3.0335	2.2598	-0.3267	-0.8014	1.1317
730	34.5	33.6	0.1942	2.4917	0.3461	3.0319	2.2558	-0.3104	-0.8116	1.1338
731	33.9	33.6	0.1875	2.4919	0.3523	3.0317	2.2577	-0.3256	-0.8072	1.1249

732	34.8	33.7	0.1877	2.4931	0.3528	3.0336	2.2831	-0.3224	-0.8277	1.133
733	34.8	33.7	0.1841	2.4921	0.3587	3.0349	2.2934	-0.3072	-0.8497	1.1365
734	35.4	33.8	0.1807	2.4927	0.3618	3.0352	2.2935	-0.2905	-0.8584	1.1447
735	36.2	33.8	0.1795	2.4929	0.3617	3.0341	2.3262	-0.2853	-0.8898	1.1512
736	35.3	33.8	0.1719	2.4926	0.365	3.0296	0.6135	-0.312	-0.8569	-0.5554
737	34.2	33.9	0.1754	2.4937	0.3601	3.0292	0.7722	-0.3094	0.036	0.4988
738	33.6	34.1	0.1731	2.4948	0.3612	3.029	0.9906	-0.2776	0.2753	0.9883
739	33	34.2	0.171	2.495	0.3628	3.0287	0.9902	-0.2745	0.2619	0.9776
740	33.1	34.3	0.1702	2.4936	0.3634	3.0272	1.0036	-0.3006	0.2465	0.9495
741	32.8	34.3	0.1666	2.4936	0.3642	3.0245	0.9722	-0.3594	0.2659	0.8787
742	33.7	34.3	0.1621	2.4947	0.367	3.0238	0.9446	-0.3922	0.2736	0.826
743	33.7	34.4	0.1593	2.4947	0.3685	3.0224	0.9296	-0.411	0.3004	0.8189
744	32.9	34.3	0.1596	2.4931	0.3672	3.0199	0.911	-0.4401	0.3171	0.788
745	33.3	34.2	0.1662	2.494	0.3587	3.0189	0.925	-0.5411	0.38	0.7638
746	34	34	0.1705	2.4945	0.3532	3.0182	0.907	-0.5847	0.445	0.7674
747	34.8	33.8	0.1738	2.4921	0.3509	3.0168	0.9208	-0.6012	0.4458	0.7655
748	35.7	33.7	0.1789	2.4881	0.3492	3.0163	0.9587	-0.6056	0.4064	0.7595
749	35.8	33.7	0.1773	2.4895	0.3494	3.0162	1.0015	-0.5919	0.3529	0.7625
750	35	33.6	0.1759	2.4936	0.3444	3.014	1.0168	-0.5532	0.3187	0.7822
751	34.7	33.6	0.1777	2.496	0.3394	3.0131	0.9323	-0.4722	0.3206	0.7807
752	35.2	33.5	0.1766	2.497	0.3414	3.015	0.7815	-0.3555	0.3141	0.7401
753	34.8	33.5	0.1742	2.4968	0.3445	3.0155	0.7284	-0.2465	0.3001	0.782
754	33.5	33.5	0.1759	2.4959	0.3457	3.0175	0.732	-0.1965	0.246	0.7815
755	32	33.6	0.1775	2.496	0.3463	3.0197	0.7882	-0.2137	0.2322	0.8067
756	31.1	33.6	0.1764	2.4948	0.3496	3.0209	0.8661	-0.2269	0.1495	0.7887
757	31.2	33.7	0.1756	2.4928	0.3515	3.0199	0.8815	-0.252	0.1664	0.796
758	31.7	33.8	0.1739	2.4933	0.3486	3.0158	0.883	-0.271	0.179	0.791
759	31.8	33.8	0.173	2.4941	0.3468	3.0139	0.8341	-0.2908	0.2329	0.7761
760	32.4	33.7	0.1726	2.4947	0.3441	3.0114	0.7899	-0.2557	0.211	0.7452
761	32.8	33.7	0.1712	2.4942	0.3446	3.01	0.7791	-0.2299	0.2043	0.7535
762	33.3	33.7	0.1709	2.4923	0.3462	3.0095	0.7343	-0.2213	0.2351	0.7482
763	33.6	33.6	0.1698	2.4915	0.3453	3.0066	0.7312	-0.2142	0.2362	0.7531
764	34.4	33.6	0.1633	2.4922	0.348	3.0035	0.7331	-0.2335	0.2751	0.7747
765	34.8	33.7	0.1592	2.4932	0.3506	3.0031	0.807	-0.2507	0.2272	0.7835
766	36	33.8	0.1569	2.494	0.351	3.0019	0.8583	-0.2691	0.155	0.7442
767	37	33.9	0.1557	2.4942	0.3515	3.0015	0.9058	-0.2918	0.1166	0.7305
768	35.7	34	0.1567	2.4938	0.352	3.0025	0.8979	-0.293	0.1144	0.7193

769	34.8	34.1	0.1554	2.4938	0.3528	3.0019	0.9443	-0.269	0.0738	0.7491
770	34.8	34.1	0.1523	2.4947	0.354	3.001	0.979	-0.2475	0.0487	0.7802
771	33.8	34.2	0.1498	2.496	0.3546	3.0004	0.9567	-0.2469	0.0764	0.7863
772	33.9	34.2	0.1515	2.496	0.3515	2.9991	0.9132	-0.2416	0.1049	0.7765
773	33.2	34.3	0.1532	2.4952	0.3493	2.9977	0.8561	-0.235	0.1325	0.7536
774	33.9	34.4	0.1523	2.4964	0.3479	2.9966	0.776	-0.2156	0.1797	0.7401
775	33.1	34.5	0.1518	2.4996	0.3437	2.995	0.6972	-0.2123	0.2202	0.705
776	33.5	34.5	0.1534	2.4996	0.3422	2.9952	0.6387	-0.2322	0.2833	0.6898
777	33	34.3	0.1526	2.4987	0.3424	2.9936	0.6708	-0.2327	0.2733	0.7114
778	32.8	34.3	0.1516	2.4972	0.343	2.9918	0.7091	-0.2128	0.2063	0.7026
779	33.8	34.3	0.1519	2.4951	0.344	2.991	0.8162	-0.1974	0.1289	0.7477
780	33.5	34.4	0.1535	2.4952	0.3419	2.9906	0.7476	-0.1208	0.1456	0.7723
781	34.2	34.5	0.1528	2.4931	0.344	2.9898	0.6196	-0.1314	0.281	0.7692
782	34.8	34.5	0.1514	2.4927	0.3459	2.9899	0.5844	-0.1467	0.3508	0.7884
783	36.8	34.6	0.149	2.4929	0.3466	2.9885	0.5865	-0.1228	0.3448	0.8085
784	35.9	34.7	0.1452	2.4939	0.3482	2.9873	0.5553	-0.1208	0.3654	0.8
785	36	34.8	0.1449	2.4949	0.3462	2.986	0.5369	-0.1102	0.3727	0.7994
786	33.4	34.9	0.1441	2.4937	0.3464	2.9841	0.5274	-0.0968	0.3716	0.8022
787	35.7	35	0.1435	2.4928	0.3464	2.9827	0.4722	-0.1113	0.4107	0.7716
788	35.1	35	0.1425	2.4925	0.3457	2.9807	0.5056	-0.1143	0.3952	0.7866
789	36.1	35	0.1407	2.4918	0.3482	2.9807	0.4858	-0.0956	0.4114	0.8016
790	35.6	35	0.1431	2.4929	0.3463	2.9822	0.4737	-0.0835	0.4249	0.8152
791	34.6	35	0.1461	2.4924	0.3457	2.9842	0.468	-0.0893	0.4439	0.8226
792	35.8	34.9	0.1489	2.4924	0.342	2.9833	0.4411	-0.08	0.46	0.8211
793	35.9	34.8	0.1501	2.4931	0.3405	2.9837	0.4095	-0.0598	0.486	0.8357
794	34.6	34.7	0.1468	2.5006	0.3368	2.9843	0.4112	-0.0389	0.4632	0.8356
795	34.9	34.8	0.1489	2.5029	0.3319	2.9837	0.463	-0.0672	0.4251	0.821
796	35	34.9	0.1489	2.5034	0.3311	2.9834	0.527	-0.0851	0.384	0.826
797	33.7	34.9	0.147	2.5047	0.3322	2.9839	0.557	-0.0801	0.3477	0.8246
798	33.2	34.9	0.1451	2.506	0.3325	2.9836	0.5509	-0.1039	0.3504	0.7973
799	33.8	34.8	0.1431	2.5074	0.3311	2.9815	0.5571	-0.1386	0.3399	0.7585
800	33.6	34.7	0.1427	2.5101	0.3264	2.9792	0.5253	-0.1369	0.373	0.7614
801	34.1	34.7	0.146	2.5116	0.3218	2.9795	0.5046	-0.091	0.3225	0.7362
802	33.8	34.6	0.1485	2.5119	0.3181	2.9785	0.5253	-0.0679	0.2691	0.7265
803	35.1	34.5	0.1487	2.5115	0.3181	2.9783	0.4981	-0.0675	0.2933	0.7238
804	36.8	34.5	0.1483	2.5112	0.3176	2.9771	0.4624	-0.0673	0.3196	0.7147
805	36	34.5	0.1461	2.5121	0.3183	2.9765	0.4873	-0.0847	0.3048	0.7074

806	36.1	34.5	0.1447	2.5135	0.3168	2.975	0.4735	-0.0815	0.2892	0.6813
807	35.1	34.5	0.1447	2.5158	0.3127	2.9732	0.4338	-0.084	0.3598	0.7097
808	34.2	34.5	0.1449	2.5169	0.3107	2.9725	0.4377	-0.1022	0.3862	0.7216
809	33.9	34.5	0.1434	2.5169	0.3119	2.9722	0.3989	-0.0976	0.3672	0.6685
810	33.3	34.5	0.1402	2.5176	0.3128	2.9706	0.3913	-0.0877	0.3525	0.656
811	34.6	34.4	0.1388	2.5187	0.3122	2.9697	0.3968	-0.0797	0.3188	0.6358
812	33.8	34.5	0.138	2.5176	0.3126	2.9682	0.4041	-0.0864	0.3192	0.637
813	34.1	34.4	0.1368	2.5182	0.3121	2.9671	0.427	-0.1048	0.3283	0.6505
814	35.5	34.3	0.1345	2.5178	0.3128	2.9651	0.4337	-0.1047	0.3034	0.6324
815	34.8	34.2	0.1341	2.5179	0.3127	2.9647	0.3436	-0.0973	0.3698	0.6161
816	33.7	34	0.1358	2.5167	0.3133	2.9658	0.2734	-0.0866	0.4211	0.608
817	33.4	33.8	0.1364	2.5159	0.314	2.9664	0.2171	-0.0671	0.4229	0.5728
818	33.8	33.7	0.1348	2.5155	0.3147	2.9651	0.1631	-0.0609	0.4622	0.5644
819	33.8	33.6	0.1326	2.5144	0.3157	2.9628	0.1679	-0.071	0.4923	0.5893
820	32.9	33.5	0.1325	2.5134	0.3162	2.9621	0.1843	-0.0906	0.4941	0.5878
821	34.1	33.4	0.1353	2.5122	0.3151	2.9626	0.2031	-0.1046	0.4881	0.5866
822	34.7	33.3	0.136	2.5118	0.3159	2.9637	0.2104	-0.0951	0.4904	0.6056
823	33.8	33.1	0.1398	2.5102	0.3152	2.9652	0.2244	-0.0923	0.4647	0.5968
824	33.5	32.9	0.1416	2.5106	0.3141	2.9663	0.2612	-0.0971	0.4356	0.5997
825	32.7	32.8	0.1398	2.5134	0.3119	2.965	0.2843	-0.0812	0.3936	0.5967
826	31.7	32.7	0.1393	2.5135	0.311	2.9637	0.2813	-0.0502	0.3765	0.6076
827	31.9	32.7	0.1423	2.5115	0.3101	2.9638	0.3073	-0.0557	0.3798	0.6314
828	32.2	32.6	0.1384	2.5106	0.3105	2.9595	0.2727	-0.0333	0.421	0.6603
829	31.9	32.5	0.1348	2.5036	0.3179	2.9563	0.333	-0.0229	0.3844	0.6944
830	31.9	32.6	0.1322	2.5049	0.318	2.955	0.3376	-0.0373	0.3964	0.6967
831	32.1	32.7	0.1291	2.5065	0.3172	2.9529	0.3601	-0.0257	0.3828	0.7172
832	30.9	32.7	0.129	2.5053	0.3183	2.9527	0.3858	-0.0195	0.3847	0.751
833	31.2	32.7	0.1286	2.5042	0.3221	2.9549	0.393	-0.0198	0.3954	0.7686
834	32.3	32.7	0.1271	2.5037	0.3245	2.9552	0.3774	-0.0171	0.4038	0.7641
835	33	32.7	0.1268	2.5026	0.3246	2.9539	0.3015	-0.0084	0.4518	0.745
836	32	32.8	0.1247	2.5037	0.324	2.9524	0.2801	-0.0053	0.4502	0.725
837	32	32.9	0.1249	2.5051	0.3206	2.9505	0.2633	-0.0223	0.4523	0.6933
838	33	32.9	0.1245	2.5044	0.32	2.9489	0.2339	-0.0312	0.4503	0.6531
839	34.7	33.1	0.1236	2.5033	0.3203	2.9472	0.1936	-0.0418	0.4627	0.6145
840	35.6	33.2	0.1234	2.5025	0.319	2.9449	0.1571	-0.0557	0.5049	0.6063
841	34.7	33.4	0.1225	2.5016	0.3182	2.9423	0.2154	-0.0545	0.4633	0.6242
842	34	33.7	0.1211	2.5007	0.3184	2.9402	0.2823	-0.0728	0.4607	0.6702

843	33.6	33.9	0.1181	2.4986	0.3221	2.9389	0.3046	-0.0833	0.4476	0.6688
844	32.7	34	0.1133	2.4998	0.3247	2.9378	0.407	-0.0747	0.3377	0.67
845	33.4	34.1	0.1135	2.5025	0.3203	2.9363	0.4726	0.0024	0.2122	0.6872
846	33.1	34.2	0.1148	2.5025	0.3184	2.9357	0.4807	0.008	0.2013	0.69
847	33.7	34.3	0.1187	2.5025	0.3159	2.9371	0.5036	-0.0163	0.2008	0.6881
848	34.4	34.3	0.1232	2.5019	0.3152	2.9404	0.5079	-0.0141	0.2081	0.7019
849	35.2	34.3	0.1248	2.5032	0.3121	2.9401	0.5322	0.0015	0.2016	0.7352
850	35.3	34.2	0.1254	2.5027	0.3122	2.9403	0.532	0.0255	0.1798	0.7374
851	35.8	34.1	0.1252	2.5028	0.3125	2.9405	0.5457	0.0769	0.117	0.7396
852	35.4	34.1	0.1268	2.5037	0.3121	2.9426	0.573	0.1349	0.0542	0.7621
853	34.9	34.1	0.128	2.5036	0.3125	2.944	0.6054	0.1683	0.01	0.7837
854	34.8	34.2	0.1271	2.5044	0.3153	2.9468	0.6276	0.1897	-0.0057	0.8116
855	33.8	34.2	0.1301	2.5041	0.3173	2.9516	0.6187	0.2091	-0.0199	0.808
856	33.4	34.3	0.133	2.5032	0.3136	2.9499	0.6085	0.2362	-0.0322	0.8124
857	33.4	34.2	0.1318	2.5031	0.3129	2.9478	0.6283	0.2295	-0.0207	0.8372
858	33.7	34.2	0.134	2.5031	0.3119	2.949	0.6777	0.258	-0.06	0.8757
859	34	34	0.1339	2.5029	0.3116	2.9483	0.6704	0.2718	-0.0994	0.8427
860	33.7	33.9	0.1329	2.5026	0.3122	2.9478	0.6534	0.2758	-0.0728	0.8564
861	33.6	33.9	0.1308	2.5028	0.3127	2.9463	0.6148	0.2849	-0.0586	0.8411
862	33.7	33.8	0.1282	2.5028	0.3134	2.9444	0.5743	0.2836	-0.0223	0.8356
863	34.1	33.7	0.1264	2.502	0.315	2.9434	0.5578	0.2515	0.0028	0.8121
864	34.3	33.5	0.1289	2.5019	0.311	2.9419	0.538	0.2583	0.0168	0.8131
865	33.6	33.3	0.1319	2.5018	0.3085	2.9423	0.4994	0.2483	0.0322	0.78
866	33.3	33.1	0.1352	2.5007	0.3087	2.9447	0.4805	0.2416	0.0401	0.7621
867	33.2	33	0.1394	2.5003	0.3053	2.945	0.4791	0.2359	0.0456	0.7606
868	32.9	32.7	0.1399	2.5009	0.3028	2.9436	0.4918	0.2315	0.0564	0.7797
869	33.4	32.5	0.137	2.5028	0.3033	2.9432	0.4802	0.2201	0.0714	0.7717
870	34.5	32.4	0.132	2.5052	0.3052	2.9424	0.4669	0.2056	0.1076	0.7801
871	34	32.3	0.1288	2.5055	0.3055	2.9398	0.4623	0.1774	0.1325	0.7722
872	32.9	32.3	0.1291	2.5053	0.3051	2.9394	0.5013	0.1486	0.1267	0.7767
873	31.6	32.3	0.1271	2.5049	0.3058	2.9377	0.5033	0.1521	0.1157	0.7711
874	29.5	32.3	0.1239	2.5045	0.3085	2.9369	0.532	0.1437	0.1047	0.7805
875	30.5	32.3	0.1236	2.5046	0.306	2.9342	0.5494	0.1518	0.0799	0.781
876	29.9	32.4	0.1227	2.5052	0.3042	2.9321	0.5025	0.1848	0.0555	0.7428
877	29	32.5	0.1253	2.502	0.3003	2.9276	0.4954	0.1944	0.0379	0.7277
878	29.9	32.5	0.1183	2.4995	0.3046	2.9224	0.5097	0.1731	0.0516	0.7344
879	31.3	32.5	0.1181	2.4988	0.3044	2.9213	0.4614	0.1681	0.0663	0.6958

880	32.3	32.4	0.1175	2.4977	0.3036	2.9189	0.4203	0.0997	0.1548	0.6748
881	33.2	32.3	0.1142	2.495	0.3055	2.9147	0.4113	0.1051	0.1699	0.6863
882	34	32.2	0.1121	2.4947	0.3063	2.9131	0.3842	0.1129	0.169	0.666
883	34.1	32.1	0.1113	2.4946	0.3063	2.9121	0.4027	0.0795	0.1991	0.6813
884	33.8	32.2	0.115	2.4947	0.3031	2.9128	0.4035	0.0705	0.2372	0.7113
885	35.1	32.2	0.1169	2.4954	0.3012	2.9135	0.4123	0.0736	0.2579	0.7439
886	35	32.3	0.1177	2.4959	0.3012	2.9148	0.4152	0.0682	0.2615	0.745
887	34	32.4	0.1201	2.4959	0.3014	2.9174	0.3999	0.0868	0.2546	0.7413
888	33	32.4	0.1232	2.4967	0.2994	2.9193	0.3918	0.0971	0.2325	0.7214
889	32.1	32.3	0.125	2.4974	0.2977	2.9201	0.3842	0.113	0.239	0.7362
890	31.9	32.2	0.1216	2.4983	0.2999	2.9198	0.3658	0.1024	0.255	0.7232
891	31	32.1	0.1179	2.4996	0.2996	2.9171	0.372	0.0823	0.2526	0.707
892	30.4	31.9	0.1185	2.5007	0.2972	2.9164	0.3796	0.094	0.2419	0.7156
893	30.8	31.7	0.1094	2.5006	0.3068	2.9167	0.3437	0.0831	0.2495	0.6764
894	31.2	31.7	0.0996	2.5004	0.3156	2.9156	0.2867	0.0735	0.2976	0.6578
895	31.2	31.6	0.1009	2.5021	0.3117	2.9147	0.2307	0.0926	0.3157	0.6389
896	30.7	31.5	0.0986	2.505	0.311	2.9146	0.2244	0.1165	0.2713	0.6122
897	30.5	31.6	0.0962	2.5061	0.3114	2.9137	0.2217	0.1109	0.2696	0.6021
898	29.6	31.8	0.0919	2.5059	0.3123	2.9101	0.2579	0.0939	0.2631	0.6148
899	29.7	32	0.0899	2.5048	0.3131	2.9078	0.315	0.0662	0.2661	0.6472
900	31	32.2	0.0881	2.5024	0.3147	2.9052	0.3331	0.0732	0.245	0.6514
901	30.4	32.4	0.0887	2.4981	0.3164	2.9033	0.3669	0.0545	0.244	0.6654
902	31.7	32.5	0.088	2.4951	0.3171	2.9001	0.3643	0.0553	0.2636	0.6832
903	33.2	32.7	0.0859	2.4925	0.3187	2.8971	0.3944	0.0645	0.268	0.7269
904	32.3	32.8	0.0865	2.4903	0.3195	2.8963	0.4274	0.0795	0.2764	0.7832
905	34.2	32.9	0.0852	2.4885	0.3215	2.8952	0.4311	0.0943	0.3008	0.8261
906	35.7	33	0.0819	2.4906	0.3188	2.8913	0.4665	0.1076	0.3041	0.8781
907	36.8	33.2	0.0769	2.49	0.3187	2.8856	0.4955	0.0998	0.2688	0.8641
908	36.1	33.3	0.0778	2.4897	0.3207	2.8882	0.4966	0.1039	0.2466	0.8471
909	35.1	33.4	0.078	2.4893	0.3192	2.8866	0.5236	0.1097	0.2357	0.869
910	34.9	33.4	0.0787	2.4891	0.3186	2.8865	0.4945	0.1199	0.2459	0.8604
911	33.1	33.5	0.0813	2.4904	0.3145	2.8862	0.4722	0.1161	0.268	0.8563
912	33.1	33.4	0.0822	2.4925	0.3123	2.8869	0.457	0.1084	0.2746	0.84
913	33.6	33.3	0.083	2.4924	0.3104	2.8858	0.4417	0.1046	0.2734	0.8197
914	33.3	33.2	0.0846	2.4929	0.3096	2.8871	0.4302	0.1012	0.2871	0.8185
915	33.1	33	0.0861	2.4937	0.3087	2.8885	0.4571	0.1032	0.2567	0.817
916	33.1	32.8	0.0879	2.4931	0.3088	2.8898	0.4804	0.1178	0.2405	0.8387

917	32.4	32.5	0.0872	2.4927	0.3084	2.8884	0.5048	0.1225	0.2448	0.8721
918	31.1	32.2	0.0868	2.4935	0.3076	2.8879	0.5409	0.1333	0.2136	0.8879
919	32	32	0.086	2.4939	0.305	2.8848	0.5473	0.15	0.1915	0.8888
920	31.9	31.9	0.0863	2.4957	0.3029	2.8849	0.5283	0.1706	0.2038	0.9026
921	30.1	31.8	0.0851	2.4974	0.3024	2.8849	0.4956	0.1955	0.2292	0.9203
922	30.9	31.7	0.0857	2.4966	0.3043	2.8866	0.4757	0.2109	0.2273	0.9138
923	30.5	31.5	0.0866	2.4959	0.3047	2.8872	0.4833	0.2291	0.2181	0.9305
924	30.3	31.5	0.0866	2.4955	0.3061	2.8882	0.4846	0.2264	0.2305	0.9415
925	31.1	31.4	0.0895	2.4949	0.3063	2.8907	0.4977	0.2296	0.2346	0.9619
926	31.4	31.3	0.0897	2.494	0.3072	2.8909	0.5266	0.2391	0.1753	0.9409
927	30.5	31.3	0.0913	2.4942	0.3049	2.8904	0.5154	0.2374	0.1739	0.9266
928	32	31.3	0.0923	2.4938	0.3039	2.8899	0.5683	0.1817	0.1474	0.8975
929	32.3	31.4	0.0928	2.4937	0.3024	2.8888	0.5409	0.1415	0.1846	0.867
930	31.2	31.4	0.0911	2.4943	0.301	2.8864	0.5376	0.1395	0.187	0.864
931	30.9	31.5	0.0907	2.4953	0.3004	2.8863	0.5368	0.1414	0.1881	0.8663
932	31.4	31.5	0.0888	2.4974	0.2984	2.8846	0.5031	0.1153	0.2175	0.8358
933	31.9	31.5	0.0882	2.4971	0.2984	2.8838	0.4835	0.1129	0.2292	0.8255
934	31.2	31.5	0.0858	2.4963	0.2987	2.8808	0.4738	0.1026	0.2497	0.8262
935	31.9	31.4	0.0852	2.4957	0.2984	2.8794	0.5195	0.0949	0.2452	0.8596
936	31.7	31.4	0.0847	2.495	0.2985	2.8783	0.5231	0.0922	0.2438	0.859
937	32.4	31.3	0.0857	2.4954	0.2973	2.8784	0.5245	0.0877	0.2607	0.8729
938	33.4	31.2	0.0861	2.4931	0.2961	2.8753	0.5494	0.2105	0.1213	0.8812
939	31.6	31.2	0.087	2.4931	0.2948	2.8749	0.5799	0.2474	0.0625	0.8898
940	31.6	31.2	0.0862	2.4943	0.2938	2.8742	0.5756	0.2434	0.0628	0.8817
941	31.7	31.2	0.0846	2.4922	0.294	2.8708	0.5206	0.2415	0.1008	0.8629
942	30.3	31.1	0.0868	2.4924	0.2934	2.8726	0.4642	0.2521	0.101	0.8173
943	29.2	31	0.0895	2.4913	0.2924	2.8731	0.4664	0.2705	0.0756	0.8125
944	30.1	30.9	0.0902	2.4905	0.2931	2.8739	0.3894	0.2668	0.1493	0.8055
945	30.3	30.8	0.0911	2.4908	0.2932	2.8751	0.3091	0.2587	0.2172	0.785
946	30.2	30.8	0.0927	2.4914	0.2914	2.8755	0.3657	0.2608	0.1733	0.7997
947	30.3	30.7	0.0929	2.4931	0.2896	2.8756	0.3786	0.2683	0.1679	0.8148
948	31	30.5	0.0917	2.4953	0.2886	2.8757	0.3536	0.2788	0.1795	0.812
949	32	30.5	0.0915	2.4959	0.2876	2.875	0.3101	0.2794	0.1923	0.7818
950	29.7	30.4	0.0887	2.4973	0.2878	2.8738	0.2862	0.266	0.2044	0.7567
951	29.5	30.2	0.0888	2.4972	0.2862	2.8722	0.2482	0.2439	0.2404	0.7325
952	29.8	30.1	0.0874	2.4973	0.2853	2.8699	0.2314	0.1972	0.2874	0.716
953	30.8	30.1	0.0852	2.4956	0.2849	2.8657	0.2223	0.1495	0.3166	0.6884

954	30.3	29.9	0.084	2.495	0.2852	2.8642	0.2098	0.1207	0.3355	0.666
955	30.7	29.8	0.0835	2.4934	0.2869	2.8638	0.2115	0.0983	0.3463	0.6561
956	30.7	29.6	0.0835	2.4933	0.2867	2.8635	0.1957	0.0915	0.3563	0.6436
957	30.6	29.5	0.0821	2.4927	0.2882	2.863	0.1404	0.1239	0.335	0.5994
958	30.4	29.5	0.0817	2.4921	0.2883	2.8621	0.1097	0.1129	0.3335	0.556
959	30.1	29.4	0.0845	2.4909	0.287	2.8623	0.1236	0.1113	0.3577	0.5925
960	28.6	29.4	0.0857	2.491	0.2854	2.8621	0.1503	0.0918	0.3459	0.5879
961	28.6	29.5	0.0851	2.492	0.2852	2.8623	0.1495	0.0893	0.355	0.5938
962	27.7	29.5	0.084	2.4924	0.286	2.8624	0.1719	0.0974	0.3321	0.6015
963	27.5	29.5	0.0834	2.4919	0.2863	2.8616	0.1934	0.1126	0.3104	0.6165
964	27.4	29.5	0.0832	2.4916	0.2853	2.8602	0.2022	0.1111	0.2876	0.6009
965	27.1	29.5	0.0839	2.49	0.2845	2.8584	0.212	0.122	0.2713	0.6053
966	28.4	29.5	0.0848	2.4884	0.2842	2.8575	0.2216	0.131	0.2614	0.6141
967	30	29.5	0.0853	2.487	0.284	2.8563	0.2359	0.1159	0.2798	0.6316
968	30.6	29.7	0.0852	2.4859	0.2836	2.8547	0.2308	0.1107	0.2886	0.6301
969	30.6	29.8	0.0841	2.4858	0.283	2.8529	0.2298	0.1274	0.2766	0.6338
970	30.5	30.1	0.0824	2.4857	0.2823	2.8504	0.2179	0.1299	0.2495	0.5973
971	30.7	30.3	0.0812	2.4844	0.2828	2.8484	0.2099	0.1359	0.2374	0.5831
972	30.3	30.5	0.0807	2.4823	0.2833	2.8463	0.1929	0.1453	0.2465	0.5846
973	29.9	30.7	0.0786	2.4822	0.2827	2.8436	0.2059	0.1372	0.2636	0.6067
974	30	31	0.0741	2.4815	0.285	2.8407	0.2205	0.1234	0.2557	0.5996
975	30.6	31.2	0.071	2.4807	0.2885	2.8401	0.2269	0.1116	0.2671	0.6056
976	32	31.3	0.0711	2.4814	0.2869	2.8394	0.2869	0.0883	0.2721	0.6473
977	32.9	31.5	0.0685	2.4838	0.2855	2.8378	0.3056	0.052	0.3055	0.6631
978	33.2	31.6	0.0642	2.4853	0.2861	2.8357	0.3207	0.0546	0.3095	0.6848
979	33.4	31.7	0.0643	2.4848	0.2857	2.8349	0.3277	0.0471	0.321	0.6958
980	33.1	31.7	0.0638	2.4836	0.2848	2.8322	0.345	0.0447	0.3225	0.7122
981	31.6	31.8	0.0639	2.4835	0.2838	2.8311	0.3666	0.0625	0.3036	0.7327
982	32	31.9	0.0637	2.4834	0.2834	2.8305	0.3777	0.101	0.281	0.7598
983	31.3	31.9	0.0639	2.4843	0.2813	2.8295	0.3883	0.1233	0.2591	0.7706
984	31.2	31.9	0.0631	2.4852	0.2785	2.8268	0.3506	0.1124	0.2852	0.7481
985	31.7	31.9	0.0646	2.4862	0.2768	2.8276	0.3377	0.1064	0.2882	0.7322
986	32.6	31.8	0.0653	2.4871	0.2751	2.8275	0.3584	0.1104	0.2811	0.7499
987	32.2	31.6	0.0652	2.4749	0.2892	2.8293	0.3498	0.1314	0.2781	0.7593
988	32.5	31.4	0.0652	2.4719	0.2932	2.8303	0.3789	0.148	0.2415	0.7684
989	31.9	31.2	0.0674	2.4731	0.2914	2.8319	0.41	0.132	0.1846	0.7266
990	32.1	31	0.0695	2.4742	0.2899	2.8335	0.4129	0.1155	0.1944	0.7228

991	31.4	30.9	0.0715	2.4744	0.2895	2.8354	0.3855	0.1262	0.1929	0.7046
992	30.9	30.8	0.0718	2.4737	0.2897	2.8351	0.3501	0.109	0.1905	0.6496
993	30.6	30.8	0.0704	2.4739	0.2918	2.8362	0.3607	0.1094	0.2029	0.673
994	30.2	30.8	0.0687	2.4745	0.2939	2.8371	0.392	0.0948	0.1834	0.6702
995	29.6	30.7	0.0643	2.476	0.2944	2.8348	0.3473	0.078	0.2294	0.6547
996	29.2	30.6	0.0607	2.4782	0.2942	2.8331	0.3747	0.0874	0.1808	0.6429
997	29.6	30.6	0.0608	2.4782	0.2935	2.8325	0.3986	0.0884	0.1657	0.6527
998	29.7	30.5	0.0609	2.478	0.2931	2.832	0.4367	0.0823	0.1579	0.6769
999	29.3	30.5	0.0613	2.4782	0.2926	2.8321	0.4472	0.0853	0.1769	0.7093
1000	29.5	30.4	0.0633	2.478	0.2907	2.832	0.4468	0.0841	0.1802	0.7111
1001	30.5	30.4	0.0656	2.4784	0.2877	2.8317	0.4503	0.1016	0.1735	0.7254
1002	30.8	30.4	0.0657	2.4801	0.2854	2.8313	0.4716	0.0641	0.1861	0.7218
1003	30.3	30.4	0.065	2.4805	0.2851	2.8306	0.4508	0.08	0.1636	0.6944
1004	30.8	30.4	0.0653	2.4805	0.2849	2.8307	0.4328	0.0791	0.1572	0.6691
1005	31.4	30.5	0.0657	2.4794	0.2859	2.8309	0.4184	0.0667	0.1699	0.655
1006	30.9	30.5	0.0679	2.4782	0.2853	2.8314	0.4178	0.0439	0.1954	0.6572
1007	31.6	30.5	0.066	2.4787	0.2854	2.83	0.4379	0.0514	0.188	0.6773
1008	31.6	30.5	0.0655	2.4786	0.2849	2.829	0.4415	0.0606	0.1903	0.6924
1009	30.4	30.5	0.063	2.4802	0.2846	2.8278	0.4363	0.0594	0.186	0.6817
1010	31.1	30.5	0.0638	2.4802	0.2831	2.8271	0.4601	0.045	0.1707	0.6759
1011	30.2	30.4	0.0641	2.4806	0.2812	2.826	0.4521	0.0488	0.1537	0.6546
1012	31	30.4	0.0629	2.4812	0.2812	2.8253	0.4435	0.0617	0.1462	0.6515
1013	30.7	30.5	0.0628	2.4813	0.2817	2.8257	0.446	0.0617	0.1538	0.6614
1014	30.3	30.5	0.0634	2.4807	0.2824	2.8266	0.4652	0.0405	0.1648	0.6705
1015	29.8	30.4	0.0639	2.4806	0.2826	2.8271	0.4827	0.017	0.1715	0.6711
1016	29.4	30.4	0.0643	2.4815	0.2808	2.8266	0.499	0.0005	0.1713	0.6707
1017	29.1	30.3	0.0642	2.4817	0.2795	2.8254	0.5022	-0.0201	0.1968	0.6789
1018	29.2	30.2	0.0638	2.4808	0.2799	2.8245	0.4783	-0.0306	0.2174	0.6651
1019	29.8	30.2	0.0642	2.4809	0.28	2.8251	0.471	-0.0448	0.206	0.6321
1020	29.7	30.2	0.0653	2.4821	0.2792	2.8266	0.4714	-0.0285	0.1631	0.6059
1021	30.5	30.2	0.0658	2.4828	0.2778	2.8265	0.4265	-0.0297	0.1496	0.5464
1022	31	30.1	0.0651	2.4829	0.278	2.826	0.3658	-0.0443	0.1955	0.517
1023	31.1	30	0.0645	2.4835	0.2791	2.8272	0.3419	-0.0603	0.2106	0.4922
1024	30.8	30	0.064	2.4843	0.2794	2.8277	0.3347	-0.0522	0.2052	0.4878
1025	30.2	29.9	0.0608	2.4861	0.2791	2.826	0.3247	-0.0573	0.2297	0.4972
1026	30.4	29.9	0.0592	2.4888	0.2766	2.8246	0.2972	-0.0649	0.273	0.5053
1027	29.4	29.9	0.0592	2.4887	0.274	2.8219	0.3249	-0.0542	0.2301	0.5007

1028	29.8	30	0.0595	2.4891	0.2718	2.8203	0.3256	-0.0383	0.1995	0.4867
1029	30.6	30	0.0583	2.4892	0.2701	2.8176	0.2718	-0.0408	0.2405	0.4715
1030	29.9	30	0.0544	2.4881	0.2706	2.8131	0.2495	-0.0509	0.28	0.4786
1031	30.1	30	0.0529	2.4851	0.2723	2.8103	0.2296	-0.057	0.2853	0.4579
1032	29.1	29.9	0.05	2.4851	0.2725	2.8075	0.2054	-0.0662	0.2972	0.4364
1033	29.4	29.7	0.0532	2.4859	0.2699	2.8089	0.2012	-0.0677	0.2966	0.43
1034	28.6	29.5	0.0521	2.4857	0.2699	2.8076	0.2126	-0.0567	0.2705	0.4264
1035	29.6	29.4	0.0494	2.4847	0.2703	2.8044	0.2294	-0.0448	0.2333	0.4179
1036	29.6	29.2	0.0498	2.4819	0.2707	2.8024	0.2377	-0.0361	0.254	0.4556
1037	30.1	29.1	0.0478	2.4806	0.2732	2.8015	0.294	-0.0185	0.229	0.5045
1038	29.7	29.1	0.0451	2.4799	0.2777	2.8026	0.3119	-0.1145	0.359	0.5564
1039	30.1	28.9	0.0457	2.4815	0.2754	2.8026	0.3241	-0.1454	0.4037	0.5823
1040	29.5	28.8	0.0476	2.4817	0.2745	2.8038	0.3681	-0.1362	0.3896	0.6216
1041	29.5	28.8	0.0495	2.4813	0.275	2.8058	0.4059	-0.1216	0.3709	0.6552
1042	28.1	28.8	0.0507	2.4814	0.2732	2.8053	0.4192	-0.1054	0.3628	0.6766
1043	27.2	28.8	0.0503	2.4818	0.274	2.8061	0.3648	-0.1155	0.3841	0.6335
1044	27.6	28.8	0.0555	2.4827	0.2702	2.8084	0.3107	-0.0994	0.4155	0.6268
1045	27.6	28.8	0.0536	2.4821	0.2751	2.8108	0.2853	-0.1041	0.4451	0.6264
1046	27.2	28.8	0.0528	2.4826	0.2749	2.8102	0.2525	-0.107	0.4623	0.6079
1047	28.5	28.8	0.0492	2.4849	0.2738	2.8079	0.2142	-0.0822	0.4631	0.595
1048	28.1	28.9	0.047	2.4868	0.2709	2.8048	0.2189	-0.0778	0.4426	0.5837
1049	28.2	29	0.0468	2.4875	0.2696	2.8039	0.219	-0.0772	0.431	0.5729
1050	29.5	29.1	0.0437	2.4871	0.2704	2.8013	0.2068	-0.0739	0.4313	0.5643
1051	28.5	29.2	0.0416	2.4908	0.2676	2.8	0.2269	-0.0776	0.4061	0.5553
1052	29.5	29.5	0.0423	2.4893	0.2689	2.8005	0.2577	-0.0666	0.3655	0.5565
1053	29	29.6	0.0419	2.4877	0.2691	2.7988	0.2575	-0.0497	0.3539	0.5617
1054	29.3	29.8	0.0422	2.4883	0.2682	2.7987	0.2506	-0.0519	0.3576	0.5563
1055	29.3	29.9	0.0417	2.489	0.2674	2.7981	0.2614	-0.0611	0.3603	0.5605
1056	30.3	30.1	0.0397	2.4881	0.2679	2.7958	0.2617	-0.0779	0.3816	0.5654
1057	31.9	30.2	0.038	2.4866	0.2692	2.7938	0.2772	-0.0915	0.3841	0.5698
1058	31.8	30.3	0.038	2.4862	0.2697	2.7939	0.2608	-0.0909	0.3928	0.5627
1059	32	30.5	0.0384	2.4864	0.2699	2.7947	0.2576	-0.0955	0.401	0.5632
1060	31.7	30.6	0.0405	2.4861	0.2701	2.7967	0.2272	-0.0814	0.4045	0.5503
1061	32.5	30.7	0.0407	2.4858	0.2706	2.7971	0.2372	-0.0894	0.3984	0.5462
1062	30.8	30.7	0.0394	2.4862	0.2706	2.7963	0.2552	-0.0939	0.3842	0.5455
1063	30.5	30.7	0.0369	2.4878	0.2698	2.7945	0.2625	-0.098	0.3757	0.5402
1064	30.3	30.7	0.035	2.4899	0.2682	2.7931	0.2559	-0.0973	0.4029	0.5615

1065	30.8	30.7	0.034	2.49	0.2674	2.7913	0.2735	-0.0999	0.4104	0.584
1066	30.3	30.7	0.0345	2.4905	0.2646	2.7896	0.295	-0.0869	0.4055	0.6137
1067	30.3	30.5	0.0375	2.4901	0.2622	2.7897	0.3016	-0.0746	0.3894	0.6163
1068	31.5	30.3	0.0381	2.4904	0.263	2.7915	0.3026	-0.0747	0.385	0.6128
1069	30.6	30.1	0.037	2.4886	0.2667	2.7923	0.3023	-0.0842	0.4101	0.6282
1070	31.2	30	0.0398	2.4886	0.2673	2.7957	0.2988	-0.0858	0.4231	0.6361
1071	29	29.8	0.0446	2.4889	0.2632	2.7967	0.2939	-0.0728	0.4216	0.6427
1072	28.9	29.6	0.0465	2.4884	0.2622	2.7971	0.3195	-0.0668	0.412	0.6648
1073	29.5	29.5	0.0452	2.4875	0.2622	2.7948	0.3388	-0.0503	0.4172	0.7058
1074	29.9	29.4	0.0417	2.4873	0.2621	2.791	0.3308	-0.0274	0.4291	0.7325
1075	29.1	29.2	0.0412	2.4872	0.2612	2.7896	0.3178	-0.0076	0.4293	0.7395
1076	28.8	29.2	0.0387	2.4868	0.2638	2.7893	0.2831	0.0211	0.4233	0.7275
1077	28.8	29	0.0359	2.4876	0.2656	2.7891	0.2623	0.0586	0.393	0.7139
1078	28.3	28.8	0.037	2.4894	0.2621	2.7885	0.2589	0.0647	0.3594	0.683
1079	28.2	28.7	0.0394	2.4899	0.2577	2.787	0.2525	0.067	0.3488	0.6683
1080	28.9	28.6	0.0409	2.4893	0.2563	2.7864	0.2295	0.0589	0.3552	0.6436
1081	28.6	28.6	0.0433	2.4901	0.2541	2.7875	0.2034	0.0387	0.355	0.5972
1082	28.2	28.6	0.0436	2.4902	0.2538	2.7875	0.2138	0.0041	0.3663	0.5842
1083	26.9	28.6	0.0426	2.49	0.2542	2.7869	0.1505	0.026	0.3917	0.5682
1084	28.5	28.6	0.0401	2.4897	0.2552	2.785	0.1819	0.045	0.3584	0.5853
1085	28.8	28.6	0.0408	2.4898	0.2514	2.782	0.1824	0.0337	0.368	0.5842
1086	27.7	28.7	0.0359	2.489	0.2522	2.7771	0.1411	0.0284	0.3877	0.5573
1087	27.9	28.8	0.034	2.4863	0.2533	2.7737	0.1293	0.0149	0.3927	0.5369
1088	28.4	28.9	0.0328	2.4865	0.2528	2.7721	0.1166	0.0076	0.4075	0.5317
1089	28.7	28.9	0.0306	2.4867	0.2524	2.7697	0.1044	0.0001	0.4375	0.542
1090	29.4	29	0.0289	2.4863	0.2528	2.768	0.1202	0.0033	0.4312	0.5547
1091	29	29	0.0295	2.485	0.2532	2.7677	0.1385	-0.0221	0.4655	0.5818
1092	29.1	29.1	0.0353	2.4852	0.2513	2.7718	0.1499	-0.0348	0.481	0.5961
1093	30.3	29.3	0.0394	2.4838	0.2503	2.7735	0.1794	-0.0336	0.4674	0.6132
1094	29.9	29.3	0.0401	2.4849	0.2494	2.7744	0.1968	-0.0369	0.4718	0.6317
1095	30.5	29.3	0.0391	2.4867	0.2482	2.774	0.2427	0.0012	0.4285	0.6723
1096	30.1	29.3	0.0393	2.4864	0.2479	2.7736	0.2099	-0.0106	0.4966	0.696
1097	29.2	29.2	0.0389	2.486	0.2492	2.7741	0.2089	-0.0296	0.5136	0.693
1098	29.4	29.2	0.039	2.4857	0.25	2.7747	0.1385	0.0128	0.5262	0.6775
1099	29.5	29.2	0.0406	2.4856	0.2495	2.7757	0.1143	0.0626	0.4831	0.66
1100	30	29.1	0.0406	2.4858	0.2501	2.7765	0.0978	0.0758	0.4795	0.6531
1101	30.2	29.1	0.0398	2.4851	0.2511	2.776	0.0792	0.0716	0.4893	0.6401

1102	29.5	29.1	0.04	2.4851	0.2501	2.7751	0.0981	0.1022	0.4593	0.6595
1103	29.2	28.9	0.0399	2.4857	0.2494	2.7749	0.1426	0.0786	0.4627	0.684
1104	28.6	28.8	0.0392	2.4866	0.2489	2.7747	0.1371	0.0606	0.4651	0.6627
1105	27.6	28.7	0.0395	2.4872	0.2477	2.7743	0.1351	0.0664	0.4614	0.6629
1106	27.1	28.6	0.0401	2.4873	0.2469	2.7744	0.1384	0.0726	0.4572	0.6681
1107	27.4	28.6	0.0399	2.4878	0.2461	2.7737	0.1425	0.0453	0.4601	0.6478
1108	28.1	28.5	0.0397	2.4882	0.2448	2.7727	0.1472	0.0016	0.4817	0.6305
1109	28.4	28.4	0.0403	2.4883	0.2442	2.7728	0.1264	-0.0026	0.5049	0.6287
1110	28.9	28.4	0.0401	2.4892	0.2433	2.7725	0.0991	0.0212	0.5092	0.6294
1111	29.2	28.3	0.0386	2.49	0.2428	2.7715	0.1229	0.0264	0.4972	0.6466
1112	26.8	28.2	0.0366	2.491	0.2437	2.7713	0.1415	0.015	0.4879	0.6444
1113	27.8	28.2	0.0372	2.491	0.2414	2.7696	0.1393	0.0164	0.4807	0.6364
1114	28.9	28.3	0.036	2.4907	0.2414	2.7682	0.098	0.0493	0.4734	0.6207
1115	28.3	28.4	0.0344	2.4893	0.242	2.7658	0.0826	0.0813	0.4458	0.6097
1116	28.7	28.5	0.0341	2.489	0.2418	2.765	0.0997	0.0471	0.4469	0.5936
1117	27.7	28.7	0.0339	2.4891	0.241	2.7641	0.1063	0.0322	0.4477	0.5863
1118	27.8	28.8	0.0336	2.4892	0.2389	2.7617	0.1149	0.0476	0.4315	0.5941
1119	28.8	28.8	0.0343	2.4895	0.2377	2.7615	0.0962	0.0723	0.4404	0.6089
1120	28.6	28.8	0.0359	2.4894	0.237	2.7623	-0.0071	0.0659	0.5423	0.601
1121	28.3	28.8	0.0339	2.4895	0.2366	2.76	-0.0772	0.0851	0.6246	0.6326
1122	28.9	28.9	0.0312	2.4879	0.2362	2.7554	-0.0374	0.0896	0.6112	0.6633
1123	29.6	28.9	0.0315	2.4863	0.2362	2.754	0.0009	0.0777	0.5987	0.6773
1124	30.2	28.9	0.0322	2.4851	0.2365	2.7537	-0.0064	0.061	0.5965	0.6511
1125	29.7	28.9	0.0325	2.484	0.2368	2.7532	-0.0032	0.0411	0.5751	0.613
1126	29.6	29	0.0329	2.483	0.2373	2.7532	0.0522	0.0198	0.5431	0.6151
1127	30	29	0.0333	2.4822	0.238	2.7536	0.0522	-0.0024	0.5873	0.6371
1128	29.3	29.1	0.0343	2.4824	0.2369	2.7535	0.0191	-0.0114	0.6407	0.6484
1129	28.8	29.1	0.0353	2.4833	0.2346	2.7532	0.0429	-0.002	0.6096	0.6505
1130	29.3	29.1	0.0341	2.4842	0.2351	2.7534	0.0796	0.0073	0.5769	0.6638
1131	28.6	29.1	0.0315	2.4847	0.2356	2.7519	0.1009	0.0081	0.5844	0.6934
1132	27.3	29.1	0.0349	2.4825	0.2333	2.7507	0.1025	0.0355	0.5721	0.7102
1133	28.8	29.1	0.035	2.4814	0.234	2.7504	0.0586	0.0625	0.5832	0.7042
1134	29.6	29	0.0338	2.4823	0.2331	2.7492	0.0285	0.052	0.6029	0.6835
1135	29.4	28.9	0.0353	2.4819	0.2315	2.7487	0.0117	0.0407	0.6151	0.6676
1136	29.3	28.9	0.0368	2.4804	0.2314	2.7487	0.034	0.0357	0.5649	0.6346
1137	28.7	28.7	0.0362	2.4798	0.2324	2.7484	0.0159	0.009	0.5753	0.6002
1138	28.6	28.6	0.0346	2.4799	0.2339	2.7484	0.0209	-0.0285	0.607	0.5994

1139	28.5	28.6	0.0337	2.4812	0.2323	2.7471	0.0252	-0.0343	0.6093	0.6001
1140	28.1	28.5	0.0338	2.4839	0.2279	2.7456	0.0186	-0.0251	0.5997	0.5931
1141	29.3	28.5	0.0346	2.4848	0.2269	2.7462	0.0004	-0.027	0.5978	0.5712
1142	29.7	28.6	0.0327	2.4848	0.2264	2.744	-0.0093	-0.0306	0.6207	0.5808
1143	29.1	28.5	0.0306	2.4855	0.2269	2.7429	0.0498	-0.0317	0.6091	0.6272
1144	27.8	28.5	0.0312	2.4826	0.2273	2.7412	0.0636	-0.0426	0.6105	0.6315
1145	28.2	28.4	0.0326	2.4832	0.2254	2.7412	0.0818	-0.0187	0.6036	0.6666
1146	28	28.3	0.0319	2.4855	0.2235	2.7409	0.0918	-0.0047	0.6094	0.6964
1147	27.2	28.3	0.0354	2.4836	0.2212	2.7402	0.1254	-0.0129	0.6124	0.7248
1148	27.3	28.3	0.0356	2.4805	0.2226	2.7388	0.1569	-0.0162	0.6191	0.7598
1149	28.2	28.2	0.037	2.4799	0.2216	2.7385	0.1773	-0.0205	0.6181	0.7749
1150	28.3	28.2	0.0358	2.48	0.2215	2.7372	0.1861	-0.0124	0.6188	0.7925
1151	28.8	28.1	0.0318	2.4806	0.2216	2.734	0.1675	-0.0011	0.6342	0.8005
1152	28	27.9	0.028	2.4814	0.2226	2.7321	0.1408	-0.0039	0.6438	0.7807
1153	28.5	27.8	0.0282	2.4816	0.2226	2.7325	0.1139	0.0104	0.6326	0.757
1154	28	27.8	0.0287	2.4817	0.2221	2.7324	0.0693	0.0189	0.6176	0.7058
1155	27.2	27.7	0.0279	2.4817	0.2217	2.7312	0.0417	0.0306	0.6113	0.6836
1156	28.4	27.7	0.0254	2.4836	0.2219	2.731	0.0543	0.0421	0.585	0.6814
1157	28.5	27.6	0.0232	2.4865	0.221	2.7307	0.0547	0.0444	0.5794	0.6786
1158	27.4	27.5	0.0254	2.4864	0.2192	2.731	0.0617	0.0475	0.571	0.6801
1159	27.3	27.4	0.0285	2.4842	0.219	2.7318	0.0608	0.0409	0.5696	0.6712
1160	27.2	27.3	0.0282	2.4835	0.2204	2.732	0.0673	0.0317	0.574	0.673
1161	26.9	27.2	0.0266	2.4843	0.2218	2.7327	0.0481	0.0463	0.5749	0.6692
1162	27.6	27.2	0.0255	2.4846	0.2226	2.7327	0.0048	0.068	0.5818	0.6546
1163	26.9	27.1	0.0271	2.4829	0.2225	2.7324	-0.0167	0.0806	0.5877	0.6516
1164	27.1	27.1	0.0267	2.4818	0.2236	2.7321	0.0017	0.0777	0.5579	0.6373
1165	26.7	27.2	0.024	2.4853	0.2227	2.732	-0.0064	0.0694	0.5688	0.6317
1166	26.6	27.3	0.0239	2.4872	0.2198	2.7309	-0.0123	0.0497	0.5868	0.6242
1167	25.9	27.3	0.026	2.4853	0.2191	2.7303	-0.0031	0.0431	0.5889	0.629
1168	25.6	27.4	0.0285	2.4832	0.219	2.7306	0.0016	0.0475	0.5808	0.63
1169	26.4	27.5	0.0377	2.4821	0.2124	2.7322	-0.0242	0.055	0.5692	0.6
1170	26.9	27.6	0.0475	2.4801	0.2048	2.7325	-0.0172	0.0578	0.5561	0.5967
1171	27.2	27.7	0.0484	2.4799	0.2021	2.7304	0.0456	0.0614	0.5202	0.6271
1172	27.2	27.7	0.0464	2.4806	0.2023	2.7294	0.0359	0.0518	0.5152	0.6029
1173	28	27.8	0.0458	2.4814	0.2025	2.7297	0.0312	0.0252	0.5297	0.586
1174	28.9	27.9	0.042	2.4832	0.2046	2.7297	0.0524	-0.0075	0.5381	0.5829
1175	29.6	27.9	0.036	2.4852	0.2069	2.7281	0.044	-0.028	0.5638	0.5797

1176	29.4	28	0.0334	2.4871	0.2051	2.7256	0.0396	-0.0473	0.5808	0.5732
1177	28.8	28	0.034	2.4888	0.2015	2.7243	0.0578	-0.0633	0.5921	0.5867
1178	29.3	28.1	0.0327	2.4896	0.2011	2.7235	0.0675	-0.0747	0.6089	0.6017
1179	29.2	28.1	0.0314	2.4892	0.2	2.7207	0.0516	-0.0736	0.62	0.598
1180	29.1	28.1	0.0308	2.4885	0.1979	2.7171	0.0396	-0.0553	0.6091	0.5934
1181	28.3	28.1	0.0331	2.4866	0.1968	2.7165	0.0278	-0.0409	0.6182	0.6052
1182	28.8	28.1	0.0377	2.4839	0.1954	2.7171	0.0165	-0.0367	0.6226	0.6024
1183	28.1	28	0.0398	2.4848	0.1939	2.7185	0.0629	-0.0629	0.5927	0.5927
1184	27.5	27.9	0.039	2.4856	0.1937	2.7183	0.0575	-0.0804	0.6087	0.5858
1185	27	27.8	0.0374	2.4862	0.1949	2.7185	0.0297	-0.0751	0.6157	0.5703
1186	26.8	27.6	0.0343	2.4881	0.1947	2.7171	0.0301	-0.0784	0.6067	0.5584
1187	27.5	27.5	0.0319	2.4892	0.1926	2.7137	0.0383	-0.0838	0.6034	0.5579
1188	26.9	27.4	0.0302	2.4899	0.1919	2.7121	0.0346	-0.0917	0.6213	0.5642
1189	26.1	27.3	0.0288	2.4892	0.1925	2.7104	0.0281	-0.1068	0.6494	0.5707
1190	27.2	27.2	0.0289	2.489	0.193	2.7109	0.0182	-0.1029	0.6413	0.5565
1191	26.5	27.2	0.0305	2.488	0.1911	2.7097	0.0477	-0.0787	0.5978	0.5668
1192	27.4	27.2	0.0304	2.4884	0.1903	2.7091	0.0745	-0.068	0.5873	0.5939
1193	26.3	27.2	0.033	2.4881	0.1892	2.7104	0.0879	-0.0717	0.5777	0.594
1194	27	27.3	0.032	2.4868	0.189	2.7078	0.0767	-0.0639	0.5763	0.5891
1195	26.3	27.3	0.0299	2.4872	0.1872	2.7043	0.096	-0.0656	0.5294	0.5598
1196	26.8	27.4	0.0267	2.4877	0.1867	2.7011	0.119	-0.0468	0.5186	0.5908
1197	27.8	27.4	0.0232	2.4876	0.1873	2.6982	0.1122	-0.0289	0.5294	0.6127
1198	27.5	27.4	0.0213	2.4877	0.1882	2.6972	0.1529	-0.053	0.5139	0.6138
1199	27.4	27.5	0.022	2.4869	0.1876	2.6965	0.1777	-0.0979	0.535	0.6148
1200	28.4	27.6	0.0238	2.4859	0.1867	2.6964	0.2191	-0.1044	0.518	0.6327
1201	28.6	27.7	0.0257	2.4855	0.1867	2.6979	0.1866	-0.0982	0.5173	0.6058
1202	27.7	27.7	0.0286	2.484	0.1868	2.6994	0.1373	-0.0931	0.5169	0.5611
1203	28.8	27.8	0.033	2.4838	0.1876	2.7043	0.127	-0.1018	0.5194	0.5445
1204	27.3	27.8	0.035	2.4835	0.1877	2.7063	0.1294	-0.1041	0.5332	0.5584
1205	28	27.9	0.0341	2.4829	0.1892	2.7062	0.1039	-0.0915	0.5536	0.566
1206	27.9	28	0.0347	2.4829	0.189	2.7065	0.0883	-0.0878	0.5663	0.5668
1207	27.5	28	0.0337	2.483	0.189	2.7057	0.0711	-0.07	0.5823	0.5833
1208	28.2	28	0.0336	2.4841	0.1878	2.7055	0.0855	-0.0337	0.5552	0.607
1209	28.9	28	0.0336	2.4851	0.1868	2.7055	0.1298	-0.0125	0.502	0.6192
1210	28.7	27.9	0.0352	2.4845	0.1858	2.7056	0.1575	-0.0249	0.4868	0.6193
1211	27.8	27.9	0.0382	2.4832	0.1847	2.706	0.1631	-0.0459	0.5023	0.6195
1212	27.2	27.8	0.0383	2.4829	0.1849	2.7061	0.1551	-0.0535	0.5256	0.6272

1213	27.7	27.7	0.037	2.4832	0.1856	2.7058	0.1306	-0.0527	0.5353	0.6132
1214	28.2	27.7	0.0367	2.4838	0.1845	2.705	0.1283	-0.0661	0.5362	0.5984
1215	27.7	27.6	0.0357	2.4843	0.1833	2.7033	0.1309	-0.0765	0.5445	0.5988
1216	27.7	27.5	0.0345	2.4847	0.1829	2.7021	0.1117	-0.0443	0.5262	0.5935
1217	27.8	27.5	0.0337	2.4844	0.183	2.7011	0.1311	-0.0268	0.5032	0.6076
1218	27.5	27.4	0.036	2.4837	0.182	2.7017	0.1596	-0.0472	0.5096	0.622
1219	27.1	27.3	0.036	2.4837	0.1821	2.7018	0.1895	-0.0688	0.5095	0.6302
1220	27.5	27.1	0.0313	2.4833	0.185	2.6996	0.2636	-0.0694	0.4518	0.646
1221	27.3	27	0.0303	2.4843	0.1851	2.6997	0.3401	-0.0873	0.3935	0.6463
1222	27	27	0.0281	2.4854	0.1833	2.6968	0.3715	-0.0989	0.3693	0.6419
1223	26.7	26.9	0.0262	2.487	0.1824	2.6957	0.3604	-0.094	0.3742	0.6407
1224	26	26.8	0.0278	2.4879	0.1801	2.6957	0.3725	-0.0845	0.3832	0.6712
1225	26.6	26.7	0.0285	2.4887	0.1787	2.6959	0.3367	-0.0565	0.3887	0.669
1226	26.4	26.6	0.0272	2.4893	0.1781	2.6946	0.2875	-0.0267	0.407	0.6678
1227	26.6	26.6	0.0266	2.4897	0.1771	2.6934	0.2577	-0.0213	0.4126	0.6489
1228	26.8	26.6	0.0291	2.4897	0.1749	2.6937	0.2443	-0.0034	0.3898	0.6307
1229	26.2	26.5	0.0314	2.4888	0.1737	2.6939	0.2269	0.0027	0.3956	0.6251
1230	25.7	26.5	0.0313	2.4883	0.1733	2.6929	0.2157	-0.0059	0.3932	0.603
1231	25.8	26.4	0.0299	2.4884	0.1734	2.6916	0.2147	-0.0164	0.3729	0.5712
1232	26	26.4	0.0286	2.4888	0.1741	2.6914	0.2483	-0.0364	0.3592	0.5711
1233	25.9	26.5	0.0292	2.4894	0.1732	2.6918	0.2943	-0.0599	0.3395	0.5739
1234	26.2	26.5	0.0308	2.4898	0.1715	2.6922	0.3085	-0.04	0.321	0.5894
1235	26.8	26.6	0.0323	2.4897	0.1709	2.6928	0.2895	-0.0163	0.3224	0.5956
1236	26.9	26.7	0.033	2.4888	0.1711	2.6929	0.258	-0.0024	0.3522	0.6078
1237	27.2	26.8	0.0327	2.489	0.1703	2.692	0.2239	0.0162	0.3754	0.6155
1238	26.7	26.9	0.0318	2.4905	0.169	2.6913	0.2074	0.0229	0.3737	0.604
1239	26.1	26.9	0.0319	2.4915	0.1681	2.6915	0.2104	0.024	0.3765	0.6109
1240	26.8	27	0.029	2.4917	0.1682	2.6889	0.2105	0.0208	0.3712	0.6026
1241	27.1	27.1	0.0271	2.4916	0.1681	2.6868	0.209	0.0202	0.3872	0.6164
1242	27.2	27.1	0.024	2.492	0.1686	2.6846	0.2093	0.0264	0.3771	0.6127
1243	27.3	27.1	0.0229	2.4919	0.1692	2.684	0.1894	0.0453	0.3559	0.5906
1244	28.4	27.2	0.0216	2.4892	0.1744	2.6852	0.2244	0.0364	0.3202	0.5811
1245	27.8	27.3	0.0207	2.4878	0.1736	2.6821	0.2174	0.0135	0.3174	0.5484
1246	28.2	27.3	0.0207	2.4884	0.1706	2.6797	0.1927	0.0121	0.3264	0.5312
1247	28.3	27.4	0.0201	2.4889	0.1698	2.6788	0.1595	0.0138	0.324	0.4972
1248	27.2	27.4	0.0178	2.4903	0.1691	2.6773	0.1342	0.0078	0.3274	0.4694
1249	27.3	27.5	0.0151	2.4903	0.1699	2.6753	0.1519	0.0303	0.267	0.4491

1250	26.7	27.5	0.0171	2.4898	0.1698	2.6767	0.133	0.0175	0.2919	0.4424
1251	26.7	27.5	0.0181	2.4899	0.1699	2.6779	0.1477	0.0018	0.291	0.4404
1252	26.7	27.5	0.0153	2.4916	0.1707	2.6776	0.1969	-0.0122	0.2855	0.4702
1253	27.4	27.5	0.0153	2.4921	0.1693	2.6767	0.2462	-0.0303	0.2781	0.494
1254	28.1	27.4	0.0183	2.4908	0.1667	2.6758	0.3047	-0.0249	0.2805	0.5603
1255	28.1	27.4	0.019	2.4905	0.165	2.6746	0.3307	-0.0236	0.2845	0.5916
1256	28	27.4	0.0183	2.4906	0.1637	2.6726	0.3241	-0.0271	0.3052	0.6022
1257	27.4	27.3	0.0147	2.4898	0.1655	2.67	0.3476	-0.0287	0.3105	0.6294
1258	27.4	27.1	0.0124	2.4877	0.169	2.6691	0.3496	-0.0263	0.3166	0.6399
1259	26.6	26.9	0.0128	2.4867	0.1703	2.6698	0.352	-0.0146	0.3054	0.6428
1260	27.2	26.8	0.0119	2.4881	0.1701	2.6701	0.3568	-0.007	0.2907	0.6406
1261	27.3	26.8	0.0111	2.4897	0.1693	2.67	0.365	-0.013	0.277	0.629
1262	27.2	26.8	0.0125	2.4898	0.169	2.6713	0.3754	-0.0305	0.2606	0.6056
1263	27.4	26.7	0.0143	2.4895	0.1688	2.6726	0.3636	-0.0323	0.2791	0.6104
1264	27.7	26.6	0.0136	2.4894	0.1691	2.6722	0.3277	-0.0279	0.2953	0.5952
1265	27.7	26.5	0.0128	2.4897	0.1701	2.6726	0.3357	-0.0246	0.2872	0.5982
1266	25.9	26.4	0.0108	2.4899	0.1695	2.6702	0.3217	-0.0023	0.2764	0.5958
1267	24.1	26.3	0.01	2.49	0.1681	2.6681	0.3191	-0.0089	0.2877	0.5979
1268	24.4	26.2	0.0095	2.4901	0.168	2.6676	0.2931	-0.005	0.2824	0.5704
1269	24.9	26.2	0.0114	2.489	0.1673	2.6676	0.307	-0.0041	0.2712	0.574
1270	25.8	26	0.0135	2.4888	0.1655	2.6678	0.325	-0.0212	0.2802	0.584
1271	26.6	26	0.0112	2.4898	0.1652	2.6662	0.2978	-0.0343	0.3095	0.5729
1272	26.5	25.9	0.0104	2.49	0.1649	2.6653	0.2685	-0.021	0.312	0.5595
1273	26	25.8	0.0086	2.4898	0.1642	2.6626	0.2332	-0.0058	0.3055	0.5328
1274	25.2	25.8	0.0083	2.4888	0.1657	2.6628	0.2122	0.0112	0.3049	0.5283
1275	26.4	25.8	0.0073	2.4879	0.1662	2.6613	0.2428	0.0234	0.2759	0.5421
1276	26.2	25.8	0.0077	2.4892	0.1639	2.6607	0.2747	0.0341	0.2623	0.5712
1277	24.8	26	0.0096	2.4891	0.1625	2.6612	0.2817	0.036	0.2725	0.5902
1278	25.7	26.1	0.0101	2.4894	0.1615	2.661	0.299	0.0363	0.2703	0.6056
1279	25.1	26.2	0.0099	2.4898	0.1607	2.6604	0.3444	0.0373	0.2406	0.6223
1280	26.1	26.2	0.0093	2.4901	0.1606	2.66	0.364	0.0285	0.2251	0.6176
1281	26.2	26.1	0.0083	2.4902	0.1609	2.6594	0.3681	0.0274	0.2201	0.6156
1282	25.8	26	0.0083	2.4899	0.1615	2.6597	0.3315	0.0559	0.2111	0.5984
1283	26.4	26	0.0089	2.4888	0.1618	2.6596	0.2959	0.0596	0.2388	0.5943
1284	27.2	26	0.01	2.4873	0.1615	2.6587	0.2894	0.0798	0.2309	0.6001
1285	26.9	26.1	0.0116	2.4865	0.1597	2.6578	0.3026	0.0782	0.2255	0.6063
1286	27.1	26	0.0119	2.4865	0.1571	2.6555	0.3232	0.0728	0.2224	0.6184

1287	27.3	26.2	0.0112	2.4869	0.1553	2.6533	0.3526	0.0539	0.2226	0.6291
1288	26.7	26.2	0.0092	2.4875	0.1542	2.651	0.3598	0.0428	0.2177	0.6203
1289	24.9	26.3	0.0077	2.4871	0.1553	2.6502	0.3391	0.059	0.2072	0.6053
1290	25.5	26.4	0.008	2.487	0.1543	2.6493	0.3266	0.0742	0.1957	0.5966
1291	25	26.4	0.0096	2.4854	0.1534	2.6484	0.2799	0.0844	0.1876	0.5518
1292	24.9	26.4	0.0114	2.4839	0.1547	2.65	0.2269	0.1039	0.1925	0.5234
1293	26.3	26.4	0.0106	2.4845	0.1572	2.6523	0.1671	0.124	0.2106	0.5018
1294	26.8	26.3	0.0102	2.4854	0.1573	2.6529	0.1588	0.1188	0.2199	0.4975
1295	26	26.1	0.0106	2.486	0.1546	2.6512	0.1636	0.0766	0.2738	0.514
1296	26.9	26	0.0108	2.4863	0.1543	2.6514	0.1628	0.0438	0.2705	0.4771
1297	27.4	25.9	0.0098	2.4868	0.1546	2.6512	0.1683	0.0432	0.2396	0.4511
1298	26.4	25.8	0.0061	2.4847	0.1615	2.6523	0.1679	0.0372	0.2473	0.4524
1299	26.9	25.8	0.0087	2.4851	0.1584	2.6522	0.183	0.0532	0.2287	0.4649
1300	27.1	25.8	0.0091	2.4857	0.1576	2.6524	0.136	0.0558	0.2408	0.4326
1301	26	25.8	0.006	2.4867	0.1582	2.6509	0.1277	0.0602	0.2442	0.432
1302	25.9	25.8	0.004	2.4871	0.159	2.65	0.165	0.0601	0.248	0.473
1303	24.8	25.7	0.0025	2.4863	0.1595	2.6483	0.1758	0.0767	0.2622	0.5147
1304	24.7	25.6	0.0019	2.4859	0.1593	2.6471	0.1968	0.077	0.2608	0.5346
1305	25	25.6	0.0017	2.4857	0.1587	2.646	0.2461	0.0584	0.2424	0.5469
1306	25.2	25.5	-0.0001	2.4858	0.1579	2.6436	0.2767	0.1262	0.1539	0.5568
1307	25.1	25.4	-0.0013	2.4857	0.1573	2.6417	0.267	0.1841	0.0898	0.5409
1308	24.8	25.4	-0.0016	2.4855	0.1573	2.6413	0.2067	0.1875	0.1147	0.509
1309	25	25.3	-0.0021	2.4858	0.1577	2.6414	0.1542	0.1853	0.1476	0.4872
1310	25.1	25.1	-0.0012	2.4858	0.1581	2.6427	0.1289	0.1898	0.1557	0.4743
1311	24.8	25.1	0.0006	2.4863	0.1586	2.6455	0.1062	0.2095	0.1537	0.4695
1312	24.8	25.1	0.0019	2.4862	0.157	2.6451	0.0888	0.2268	0.1436	0.4592
1313	25.1	25.1	0.0042	2.486	0.1561	2.6463	0.0801	0.2298	0.1418	0.4518
1314	25.6	25.1	0.0031	2.4863	0.1558	2.6452	0.0716	0.2326	0.1442	0.4484
1315	25.3	25.2	0.0035	2.4846	0.1557	2.6437	0.0732	0.2315	0.1411	0.4458
1316	25.8	25.2	0.0025	2.4855	0.1542	2.6423	0.0416	0.235	0.1567	0.4333
1317	25.3	25.3	0.0044	2.4849	0.1547	2.6441	0.0088	0.2265	0.1642	0.3995
1318	24.8	25.3	0.0053	2.4841	0.1549	2.6443	0.0046	0.2222	0.1554	0.3821
1319	24.5	25.3	0.0035	2.4858	0.1541	2.6434	0.0002	0.2378	0.1436	0.3816
1320	25.5	25.4	0.0015	2.4867	0.1541	2.6423	0.0434	0.2225	0.1243	0.3901
1321	25.5	25.4	0.0034	2.4864	0.1539	2.6437	0.1184	0.1987	0.0968	0.4139
1322	24.8	25.3	0.0048	2.486	0.1527	2.6435	0.1334	0.1953	0.0926	0.4214
1323	25.7	25.3	0.005	2.4859	0.1519	2.6428	0.1374	0.1983	0.0859	0.4216

1324	26.1	25.3	0.0035	2.4855	0.1525	2.6415	0.1339	0.1992	0.0653	0.3984
1325	25.9	25.4	0.0011	2.4853	0.1524	2.6388	0.1346	0.1943	0.0795	0.4085
1326	25.6	25.4	-0.001	2.4857	0.1509	2.6356	0.1012	0.1921	0.0941	0.3874
1327	25.2	25.5	-0.0033	2.4861	0.1501	2.6328	0.083	0.2054	0.0786	0.367
1328	25.9	25.5	-0.0054	2.486	0.1508	2.6315	0.0824	0.2102	0.0801	0.3727
1329	25.9	25.7	-0.005	2.486	0.1512	2.6321	0.086	0.2114	0.072	0.3694
1330	25	25.7	-0.0055	2.4856	0.1513	2.6313	0.092	0.2033	0.069	0.3643
1331	23.8	25.7	-0.0033	2.4828	0.1523	2.6318	0.0814	0.1956	0.0815	0.3586
1332	24.6	25.8	-0.001	2.4828	0.1502	2.632	0.0764	0.1949	0.0892	0.3605
1333	26.1	25.8	0.0003	2.4815	0.1501	2.6318	0.0927	0.1765	0.1004	0.3696
1334	26.2	25.8	0.0006	2.482	0.149	2.6316	0.1214	0.1589	0.1088	0.3891
1335	26.6	25.8	-0.0001	2.4824	0.1486	2.631	0.1341	0.1446	0.1095	0.3882
1336	26.2	25.8	-0.0023	2.4834	0.1488	2.63	0.1649	0.1367	0.093	0.3945
1337	26.3	25.8	-0.0033	2.4847	0.1485	2.6299	0.1863	0.1237	0.0804	0.3904
1338	26.8	25.7	-0.0021	2.4846	0.1482	2.6308	0.1926	0.1206	0.0654	0.3786
1339	26.4	25.6	-0.0008	2.4841	0.1485	2.6318	0.1757	0.1271	0.0581	0.3609
1340	25.8	25.5	0.001	2.4833	0.1494	2.6337	0.1584	0.1304	0.0658	0.3546
1341	25.9	25.5	0.0044	2.4812	0.1489	2.6345	0.1572	0.1361	0.0511	0.3445
1342	26.1	25.5	0.0072	2.4796	0.1476	2.6344	0.1658	0.1243	0.0443	0.3344
1343	26	25.4	0.007	2.48	0.1472	2.6343	0.1878	0.1111	0.0582	0.3572
1344	25.8	25.3	0.0053	2.4815	0.147	2.6338	0.1902	0.1264	0.0749	0.3915
1345	25.5	25.2	0.0044	2.4835	0.1465	2.6344	0.1945	0.1478	0.0689	0.4112
1346	24.7	25.2	0.0038	2.4841	0.1466	2.6345	0.2254	0.1509	0.047	0.4232
1347	23.9	25.2	0.0033	2.4852	0.1451	2.6335	0.245	0.1628	0.0474	0.4552
1348	23.8	25.1	-0.0005	2.485	0.1463	2.6308	0.2459	0.1685	0.0662	0.4805
1349	24.4	25.1	0.0015	2.4847	0.1458	2.632	0.226	0.1525	0.1353	0.5137
1350	23.8	25.1	0.0043	2.4838	0.1454	2.6335	0.2606	0.1911	0.0839	0.5355
1351	23.8	25.1	0.0016	2.4839	0.1451	2.6306	0.2765	0.2021	0.0759	0.5545
1352	24.2	25	-0.0023	2.4839	0.1445	2.6261	0.2737	0.2076	0.0937	0.5749
1353	24.5	25	-0.0044	2.4844	0.1432	2.6232	0.2543	0.2103	0.114	0.5786
1354	25.3	24.9	-0.0063	2.485	0.1425	2.6211	0.2364	0.2077	0.1298	0.5738
1355	26	24.9	-0.0086	2.4779	0.1496	2.6189	0.2376	0.2179	0.1322	0.5877
1356	26.2	24.9	-0.0084	2.4722	0.1547	2.6185	0.2416	0.2125	0.1318	0.5859
1357	25.7	24.9	-0.006	2.4711	0.1541	2.6192	0.2269	0.2037	0.1332	0.5638
1358	25.2	25	-0.003	2.4692	0.1542	2.6204	0.2308	0.2086	0.1281	0.5675
1359	25.7	25	-0.0001	2.4678	0.1548	2.6224	0.2284	0.2165	0.1195	0.5644
1360	25.9	25	0.0012	2.4671	0.1548	2.6231	0.2182	0.2245	0.1222	0.5648

1361	25.1	25	0.0022	2.467	0.1549	2.6241	0.2286	0.2257	0.1356	0.59
1362	24.7	24.9	0.0044	2.4668	0.1549	2.6261	0.2517	0.2258	0.1541	0.6316
1363	25.1	24.8	0.0071	2.4662	0.1544	2.6277	0.2676	0.2178	0.1461	0.6316
1364	24.9	24.8	0.0063	2.4663	0.155	2.6276	0.2986	0.2172	0.14	0.6558
1365	24.7	24.7	0.0087	2.4662	0.1544	2.6293	0.2946	0.2189	0.1529	0.6665
1366	24.8	24.7	0.0099	2.4673	0.1531	2.6302	0.3137	0.2028	0.1575	0.6739
1367	24.8	24.7	0.0096	2.4678	0.1526	2.6299	0.3133	0.2035	0.1342	0.651
1368	24.3	24.7	0.0095	2.4663	0.1537	2.6294	0.3272	0.1976	0.1453	0.6702
1369	23.5	24.7	0.007	2.4667	0.1548	2.6286	0.2981	0.1961	0.1668	0.661
1370	23.3	24.6	0.0017	2.469	0.1558	2.6264	0.271	0.2173	0.1727	0.6609
1371	23.3	24.6	-0.0021	2.4703	0.1559	2.6241	0.2332	0.2255	0.1827	0.6414
1372	23.4	24.7	-0.0033	2.4702	0.1563	2.6231	0.2413	0.227	0.1861	0.6545
1373	24.3	24.7	-0.0048	2.4699	0.1577	2.6227	0.2489	0.2276	0.1796	0.656
1374	24.8	24.8	-0.0052	2.4694	0.1577	2.622	0.2832	0.2291	0.133	0.6453
1375	24.9	24.8	-0.0028	2.4687	0.1568	2.6226	0.3075	0.2335	0.069	0.61
1376	25.6	24.8	-0.0006	2.4687	0.156	2.624	0.2224	0.2497	0.071	0.5431
1377	26	24.7	0.0013	2.4681	0.1545	2.624	0.151	0.2664	0.0566	0.474
1378	25.7	24.7	0.0015	2.4682	0.1543	2.624	0.0997	0.2793	0.0476	0.4266
1379	24.5	24.8	0.0007	2.4695	0.1538	2.6239	0.0319	0.2936	0.0523	0.3778
1380	25.3	24.8	0.0011	2.4706	0.1524	2.6241	0.0185	0.2832	0.0579	0.3595
1381	25.7	24.8	0.0006	2.4707	0.152	2.6233	0.0163	0.2718	0.0623	0.3504
1382	25.5	24.9	-0.001	2.4723	0.1514	2.6227	0.0444	0.2386	0.0787	0.3617
1383	25.9	24.9	-0.0032	2.4729	0.151	2.6207	0.0503	0.2408	0.0539	0.3451
1384	25.4	24.9	-0.0034	2.4728	0.1505	2.6199	0.0399	0.2457	0.0556	0.3412
1385	24.8	24.9	-0.0049	2.4728	0.1504	2.6183	0.0254	0.2704	0.0499	0.3458
1386	23.8	24.8	-0.0067	2.4741	0.1491	2.6165	0.0097	0.282	0.0449	0.3366
1387	24.1	24.7	-0.0081	2.4748	0.1487	2.6155	-0.0147	0.2902	0.043	0.3184
1388	23.9	24.6	-0.0084	2.4748	0.1484	2.6149	-0.0257	0.2835	0.0543	0.3121
1389	24.2	24.5	-0.0081	2.4741	0.1488	2.6147	-0.0138	0.2778	0.0542	0.3182
1390	23.9	24.5	-0.0077	2.4734	0.1492	2.6148	-0.0468	0.3101	0.0546	0.3178
1391	24	24.4	-0.007	2.473	0.149	2.6149	-0.0356	0.3126	0.062	0.339
1392	25	24.3	-0.0074	2.4727	0.1489	2.6143	-0.0062	0.2902	0.0578	0.3418
1393	25	24.2	-0.0084	2.4718	0.1497	2.6131	0.0189	0.26	0.049	0.3279
1394	24.2	24.1	-0.0092	2.4706	0.1504	2.6118	0.0334	0.2603	0.0449	0.3385
1395	23.9	24.1	-0.0119	2.4709	0.1499	2.6089	0.0387	0.2685	0.0355	0.3426
1396	24.1	24.1	-0.0137	2.47	0.1496	2.6059	0.0177	0.2895	0.0303	0.3375
1397	23.2	24.1	-0.0148	2.47	0.148	2.6032	-0.0261	0.3092	0.0471	0.3302

1398	23.8	24.1	-0.0165	2.4694	0.148	2.6009	-0.0581	0.3293	0.0459	0.3171
1399	24.2	24.1	-0.0174	2.466	0.15	2.5987	-0.1053	0.3278	0.0645	0.287
1400	24.1	24.1	-0.0186	2.4655	0.15	2.5969	-0.0957	0.3227	0.0693	0.2962
1401	23.8	24.1	-0.0213	2.4659	0.1488	2.5934	-0.0681	0.3042	0.0686	0.3047
1402	24.1	24	-0.0215	2.466	0.1476	2.5922	-0.109	0.3186	0.0665	0.2761
1403	24.2	23.9	-0.0211	2.4655	0.1466	2.5909	-0.1682	0.3203	0.0577	0.2097
1404	24	23.9	-0.0218	2.4641	0.1461	2.5884	-0.2016	0.3364	0.049	0.1838
1405	24.3	23.9	-0.0225	2.4644	0.1455	2.5874	-0.2177	0.3356	0.0541	0.1721
1406	24	23.8	-0.0228	2.4654	0.1446	2.5872	-0.2224	0.2473	0.1275	0.1524
1407	23.8	23.8	-0.0243	2.4648	0.1445	2.585	-0.2101	0.1885	0.1766	0.155
1408	24	23.8	-0.0244	2.4639	0.1453	2.5848	-0.1884	0.1821	0.1681	0.1618
1409	23.8	23.8	-0.0239	2.4634	0.1455	2.5849	-0.1551	0.1633	0.1672	0.1755
1410	23.6	23.9	-0.0241	2.4633	0.1446	2.5837	-0.1189	0.1557	0.1768	0.2137
1411	23.7	23.9	-0.0246	2.4637	0.1432	2.5823	-0.1259	0.1671	0.1837	0.225
1412	23.5	23.9	-0.0249	2.4644	0.1424	2.5819	-0.1219	0.1692	0.187	0.2342
1413	23.7	23.9	-0.0256	2.4643	0.1421	2.5807	-0.1142	0.1723	0.1889	0.247
1414	23.3	24	-0.0264	2.4644	0.1405	2.5785	-0.1326	0.1808	0.1917	0.2399
1415	23.3	24	-0.0279	2.4643	0.14	2.5764	-0.1654	0.1874	0.2031	0.2251
1416	23.7	23.9	-0.0288	2.4652	0.1408	2.5772	-0.1548	0.2029	0.1964	0.2445
1417	23.8	23.9	-0.0283	2.4651	0.1402	2.577	-0.1495	0.2098	0.1899	0.2502
1418	24.3	23.9	-0.0245	2.4645	0.1382	2.5782	-0.1796	0.217	0.1905	0.2278
1419	24.9	23.9	-0.0236	2.4641	0.1368	2.5773	-0.205	0.2173	0.2054	0.2176
1420	24.2	23.8	-0.0218	2.4641	0.1358	2.5782	-0.2352	0.2199	0.2182	0.2028
1421	24.2	23.8	-0.0207	2.4637	0.1353	2.5783	-0.2636	0.178	0.2849	0.1993
1422	24.7	23.7	-0.0201	2.4633	0.1348	2.5779	-0.2862	0.1507	0.3056	0.1701
1423	24.8	23.7	-0.0233	2.463	0.1386	2.5783	-0.2673	0.1212	0.3205	0.1744
1424	24.2	23.6	-0.0273	2.4622	0.1456	2.5805	-0.2634	0.1034	0.3439	0.1839
1425	23.3	23.5	-0.0212	2.4603	0.1453	2.5845	-0.2484	0.0846	0.3467	0.1829
1426	23.6	23.5	-0.0161	2.459	0.1452	2.5882	-0.2064	0.0585	0.3462	0.1983
1427	23.8	23.4	-0.0133	2.4581	0.1453	2.5902	-0.173	0.0507	0.3428	0.2204
1428	23.1	23.3	-0.0085	2.4566	0.1456	2.5937	-0.1538	0.0468	0.3262	0.2192
1429	22.7	23.3	-0.0069	2.4576	0.1454	2.5962	-0.169	0.0538	0.3241	0.2089
1430	22.7	23.2	-0.0071	2.4584	0.1451	2.5963	-0.1754	0.0681	0.3139	0.2067
1431	22.6	23.2	-0.0077	2.459	0.1444	2.5956	-0.1486	0.0765	0.2945	0.2224
1432	22.5	23.2	-0.006	2.4587	0.1448	2.5975	-0.1241	0.0709	0.2927	0.2395
1433	22.2	23.2	-0.0037	2.4569	0.1445	2.5977	-0.1008	0.0687	0.2953	0.2632
1434	22.1	23.2	-0.002	2.455	0.144	2.597	-0.0885	0.0537	0.2856	0.2508

1435	22.5	23.2	-0.001	2.4542	0.1441	2.5973	-0.0815	0.0621	0.2803	0.2608
1436	23.1	23.2	-0.0008	2.4544	0.1445	2.5981	-0.0849	0.0639	0.2856	0.2646
1437	22.2	23.2	-0.0007	2.4564	0.1431	2.5987	-0.084	0.0688	0.2712	0.2559
1438	23.5	23.2	-0.0007	2.4569	0.1428	2.599	-0.0702	0.0686	0.2723	0.2706
1439	24	23.2	0.0039	2.4531	0.1431	2.6001	-0.0473	0.0719	0.2663	0.291
1440	23.7	23.3	0.0046	2.452	0.1432	2.5998	-0.0103	0.0934	0.2543	0.3375
1441	24.6	23.4	0.005	2.4522	0.1431	2.6003	0.0142	0.1087	0.2408	0.3637
1442	24.6	23.4	0.0054	2.4536	0.1427	2.6016	0.039	0.115	0.2255	0.3794
1443	23.7	23.6	0.0037	2.454	0.1428	2.6004	0.0603	0.1148	0.2138	0.3889
1444	24.3	23.7	0.0014	2.4547	0.1435	2.5996	0.0753	0.1041	0.2194	0.3988
1445	23.8	23.8	0.0026	2.4545	0.1435	2.6007	0.0858	0.0914	0.2252	0.4024
1446	23.3	23.8	0.0064	2.4532	0.1419	2.6015	0.0691	0.0958	0.2151	0.38
1447	23.2	23.9	0.0091	2.4523	0.1405	2.6018	0.0435	0.1002	0.205	0.3486
1448	23.3	24	0.01	2.4522	0.1398	2.6021	-0.0097	0.1229	0.188	0.3012
1449	23.7	24	0.0111	2.4525	0.1388	2.6024	-0.0776	0.1313	0.1942	0.2479
1450	24.2	24	0.0112	2.4533	0.1385	2.603	-0.1144	0.104	0.2228	0.2124
1451	23.6	24	0.0125	2.452	0.1385	2.603	-0.1374	0.1098	0.2291	0.2014
1452	24.9	24	0.0146	2.4519	0.1387	2.6052	-0.1604	0.1116	0.2213	0.1725
1453	23.5	23.9	0.0158	2.4507	0.1383	2.6048	-0.125	0.0746	0.2142	0.1638
1454	24.6	23.9	0.0155	2.4514	0.137	2.6039	-0.1067	0.0639	0.2115	0.1688
1455	24.1	23.9	0.0136	2.4531	0.1369	2.6036	-0.0994	0.0471	0.2037	0.1515
1456	24.4	23.9	0.0126	2.4533	0.1371	2.603	-0.0888	0.0518	0.2034	0.1664
1457	24	23.9	0.0129	2.4529	0.1372	2.603	-0.0932	0.043	0.2251	0.1749
1458	23.9	23.9	0.0125	2.4528	0.1375	2.6029	-0.1206	0.0326	0.241	0.1529
1459	24.5	23.8	0.0118	2.4522	0.1371	2.601	-0.1334	0.0203	0.2541	0.141
1460	24.4	23.7	0.0138	2.4504	0.1364	2.6006	-0.1255	-0.0022	0.2746	0.1469
1461	23.7	23.6	0.0144	2.4501	0.1362	2.6006	-0.1162	-0.0125	0.2801	0.1513
1462	23.1	23.4	0.0159	2.4496	0.136	2.6015	-0.1068	0.0032	0.2536	0.15
1463	23.1	23.3	0.0204	2.4481	0.1353	2.6038	-0.103	0.0225	0.2327	0.1521
1464	23.9	23	0.0228	2.4476	0.1347	2.6051	-0.1129	0.027	0.2351	0.1491
1465	23.5	22.8	0.0241	2.4459	0.1347	2.6048	-0.0806	0.0263	0.2093	0.155
1466	22.9	22.5	0.0249	2.4463	0.1341	2.6052	-0.0634	0.0144	0.2059	0.1569
1467	23.8	22.3	0.0275	2.4461	0.1335	2.6071	-0.0435	0.0157	0.22	0.1923
1468	22.7	22.1	0.03	2.4446	0.1331	2.6077	-0.0214	0.0105	0.2095	0.1986
1469	22.5	21.9	0.0305	2.4448	0.133	2.6083	0.0391	-0.0015	0.1907	0.2282
1470	21.2	21.6	0.028	2.4512	0.1273	2.6065	0.0678	-0.0159	0.179	0.2309
1471	20.6	21.4	0.0265	2.4552	0.1254	2.6071	0.1029	-0.0279	0.1711	0.2461

1472	21	21.3	0.0234	2.458	0.1243	2.6057	0.1315	-0.0416	0.1681	0.258
1473	20.4	21.2	0.0215	2.4595	0.1233	2.6044	0.1475	-0.0377	0.1588	0.2686
1474	19.6	21	0.0197	2.4609	0.1231	2.6037	0.1013	-0.0321	0.2053	0.2746
1475	19.7	20.9	0.0178	2.4628	0.1221	2.6027	0.0834	-0.0364	0.2803	0.3274
1476	19.4	20.9	0.0167	2.4636	0.1217	2.602	0.1579	-0.0512	0.2816	0.3882
1477	19.6	20.8	0.0167	2.4634	0.1219	2.602	0.2075	-0.0589	0.283	0.4316
1478	20.3	20.7	0.0184	2.4628	0.1219	2.6031	0.2342	-0.0606	0.2834	0.457
1479	20.3	20.7	0.0182	2.4626	0.1224	2.6033	0.2853	-0.0756	0.285	0.4947
1480	19.8	20.7	0.016	2.4629	0.123	2.6019	0.3094	-0.0711	0.2879	0.5262
1481	19.9	20.7	0.013	2.4636	0.1227	2.5994	0.3086	-0.0813	0.2991	0.5263
1482	21.1	20.7	0.0091	2.4654	0.1219	2.5964	0.2788	-0.0704	0.3029	0.5113
1483	21.7	20.7	0.0056	2.4675	0.1224	2.5956	0.2727	-0.0625	0.3056	0.5159
1484	21.4	20.9	0.0048	2.4666	0.1225	2.5938	0.2855	-0.0738	0.2942	0.5059
1485	21.6	21	0.0036	2.4664	0.1219	2.5919	0.2912	-0.0723	0.2783	0.4973
1486	21.8	21.3	0.0017	2.4672	0.122	2.5909	0.2981	-0.0807	0.2758	0.4932
1487	21.8	21.5	-0.0011	2.468	0.1215	2.5884	0.3093	-0.0882	0.2844	0.5055
1488	21.8	21.7	-0.0036	2.4676	0.1218	2.5858	0.2914	-0.0642	0.2791	0.5064
1489	21	21.9	-0.0071	2.4647	0.1233	2.581	0.2717	-0.0486	0.2783	0.5013
1490	20.9	22	-0.0092	2.4625	0.1251	2.5784	0.3042	-0.0713	0.2753	0.5082
1491	20.9	22.2	-0.0109	2.4615	0.1265	2.577	0.2999	-0.0678	0.2737	0.5058
1492	21.2	22.3	-0.0134	2.4613	0.1275	2.5754	0.3083	-0.0746	0.2797	0.5134
1493	22.2	22.3	-0.016	2.4614	0.1278	2.5732	0.3089	-0.0764	0.2996	0.5321
1494	23.3	22.3	-0.0178	2.4615	0.1279	2.5716	0.2815	-0.0782	0.3088	0.5121
1495	23.9	22.4	-0.0188	2.4613	0.1284	2.5709	0.2274	-0.0614	0.3195	0.4854
1496	23.7	22.4	-0.018	2.46	0.1291	2.571	0.2003	-0.0451	0.324	0.4791
1497	23.7	22.5	-0.0138	2.4577	0.1292	2.573	0.2157	-0.0496	0.3161	0.4822
1498	23.6	22.6	-0.0088	2.4563	0.1285	2.5761	0.2442	-0.0615	0.3073	0.4899
1499	23.2	22.7	-0.0059	2.4556	0.1278	2.5774	0.2689	-0.0681	0.2996	0.5004
1500	23	22.8	-0.0048	2.4545	0.1271	2.5768	0.3031	-0.0893	0.3027	0.5165
1501	22.9	22.8	-0.0053	2.4548	0.1267	2.5762	0.2937	-0.069	0.2947	0.5194
1502	22.2	22.8	-0.009	2.4586	0.1262	2.5758	0.2987	-0.0767	0.292	0.5141
1503	21.2	22.7	-0.0105	2.4591	0.1254	2.5741	0.315	-0.0734	0.2903	0.532
1504	22.3	22.7	-0.0119	2.4594	0.1257	2.5732	0.2771	-0.0699	0.2966	0.5039
1505	23.1	22.6	-0.0136	2.4592	0.1252	2.5708	0.2644	-0.0538	0.2735	0.4841
1506	23.7	22.5	-0.0135	2.4611	0.1221	2.5697	0.2268	-0.0228	0.2682	0.4721
1507	23	22.4	-0.0123	2.4615	0.1204	2.5697	0.1779	-0.0045	0.2749	0.4483
1508	22.9	22.2	-0.0111	2.4619	0.1199	2.5707	0.1308	0.0009	0.2797	0.4114

1509	22.3	22.1	-0.0114	2.4636	0.118	2.5702	0.0544	0.0108	0.2768	0.3421
1510	21.7	21.9	-0.0125	2.4645	0.1165	2.5686	0.0183	0.0295	0.2671	0.3149
1511	21.2	21.8	-0.0139	2.4634	0.1178	2.5673	0.0027	0.0142	0.2696	0.2865
1512	21.1	21.6	-0.0145	2.4621	0.1191	2.5667	0.0223	0.0013	0.2729	0.2966
1513	22.1	21.5	-0.0143	2.4616	0.1186	2.5658	0.1201	-0.0487	0.2689	0.3403
1514	22.2	21.4	-0.0183	2.4617	0.1196	2.563	0.2411	-0.1091	0.2674	0.3994
1515	22	21.2	-0.0215	2.4628	0.1194	2.5607	0.3155	-0.1456	0.2745	0.4445
1516	21.6	21	-0.0244	2.4636	0.1188	2.5579	0.36	-0.1807	0.2872	0.4665
1517	21.1	20.8	-0.0261	2.4641	0.1192	2.5572	0.3701	-0.1823	0.2841	0.4719
1518	20.3	20.7	-0.0284	2.4647	0.1191	2.5554	0.4224	-0.1811	0.2798	0.5211
1519	19.9	20.6	-0.0304	2.4657	0.1189	2.5542	0.4722	-0.1972	0.2803	0.5553
1520	19.7	20.5	-0.0321	2.4669	0.1187	2.5536	0.5027	-0.198	0.2824	0.5871
1521	19.5	20.5	-0.0338	2.4679	0.1185	2.5525	0.514	-0.1284	0.2145	0.6001
1522	19.9	20.4	-0.0349	2.467	0.1189	2.5511	0.5169	-0.0859	0.1896	0.6206
1523	19.4	20.3	-0.0335	2.4662	0.1181	2.5508	0.5088	-0.0571	0.1752	0.6269
1524	19.6	20.2	-0.0356	2.4658	0.1176	2.5478	0.5107	-0.0469	0.1685	0.6324
1525	19.7	20.1	-0.037	2.4654	0.1172	2.5457	0.5028	-0.046	0.1799	0.6367
1526	19.8	20	-0.0369	2.4649	0.1169	2.545	0.4816	-0.0354	0.1873	0.6335
1527	20.9	19.9	-0.0367	2.4642	0.117	2.5445	0.48	-0.0336	0.1934	0.6398
1528	19.6	19.9	-0.0371	2.4642	0.1171	2.5442	0.4926	-0.0377	0.1983	0.6532
1529	19.9	20	-0.0378	2.4648	0.1166	2.5436	0.5164	-0.0405	0.1933	0.6692
1530	20.5	20.1	-0.038	2.4665	0.1152	2.5437	0.5075	-0.0357	0.1934	0.6652
1531	20.5	20.1	-0.0356	2.466	0.1141	2.5445	0.476	-0.0289	0.2002	0.6473
1532	20.5	20.1	-0.0333	2.465	0.1142	2.5459	0.4375	-0.0182	0.1989	0.6182
1533	20.5	20.2	-0.0322	2.4643	0.1151	2.5471	0.3924	0.0048	0.1864	0.5836
1534	19.5	20.2	-0.0311	2.4622	0.1161	2.5472	0.3727	0.0053	0.2085	0.5866
1535	19.6	20.1	-0.0308	2.4623	0.1165	2.548	0.369	-0.0111	0.2208	0.5787
1536	19.6	20.1	-0.0317	2.4632	0.1161	2.5476	0.3549	-0.0119	0.2168	0.5599
1537	20.1	20	-0.0299	2.4628	0.1152	2.5481	0.332	-0.0061	0.2161	0.542
1538	21	20.1	-0.0279	2.4617	0.115	2.5488	0.296	-0.0003	0.2176	0.5133
1539	21.3	20.1	-0.0265	2.4602	0.1156	2.5492	0.2665	0.0111	0.2037	0.4813
1540	20.6	20.2	-0.0254	2.4588	0.1158	2.5492	0.2323	-0.0005	0.2096	0.4415
1541	20.4	20.2	-0.0258	2.4596	0.1151	2.549	0.2202	-0.023	0.2315	0.4287
1542	20	20.3	-0.0255	2.4612	0.1127	2.5484	0.2112	-0.0421	0.256	0.425
1543	19.5	20.3	-0.0245	2.4618	0.1119	2.5492	0.1895	-0.047	0.2742	0.4167
1544	19	20.3	-0.0213	2.4608	0.1115	2.551	0.1653	-0.0438	0.2758	0.3973
1545	19	20.3	-0.0174	2.459	0.1111	2.5527	0.1452	-0.0447	0.282	0.3824

1546	19.8	20.2	-0.0151	2.4581	0.1103	2.5533	0.136	-0.0538	0.2928	0.3751
1547	20.5	20.1	-0.0153	2.4584	0.1098	2.5528	0.1492	-0.0683	0.3046	0.3856
1548	20.6	20	-0.0168	2.459	0.1099	2.5521	0.201	-0.0923	0.3084	0.4171
1549	20.9	20	-0.0192	2.4614	0.1086	2.5507	0.2513	-0.1068	0.3051	0.4496
1550	21.3	19.9	-0.0182	2.4602	0.109	2.5511	0.2613	-0.1092	0.3026	0.4547
1551	21.7	19.9	-0.0174	2.4597	0.1093	2.5516	0.2564	-0.1185	0.3041	0.442
1552	21.2	19.9	-0.0169	2.4592	0.1097	2.552	0.2463	-0.1244	0.3197	0.4416
1553	20.3	19.9	-0.0119	2.4577	0.1087	2.5544	0.2222	-0.1054	0.3186	0.4355
1554	19	20	-0.011	2.4568	0.1097	2.5555	0.2087	-0.105	0.3117	0.4154
1555	18.2	20.1	-0.0091	2.4554	0.1101	2.5564	0.1712	-0.0855	0.3154	0.4012
1556	18.2	20.1	-0.0051	2.4538	0.1096	2.5582	0.1241	-0.0726	0.312	0.3636
1557	19.1	20.1	-0.0002	2.4528	0.1093	2.5618	0.1138	-0.0638	0.2849	0.3349
1558	19.7	20.2	0.0071	2.4518	0.1098	2.5686	0.1202	-0.0653	0.268	0.323
1559	19.7	20.1	0.0099	2.4492	0.1104	2.5696	0.134	-0.0599	0.2642	0.3382
1560	19.8	20.1	0.0135	2.449	0.1094	2.572	0.1364	-0.0358	0.2459	0.3465
1561	19.7	20	0.0121	2.4499	0.1089	2.571	0.1265	-0.0262	0.2294	0.3296
1562	20.3	19.8	0.0039	2.4545	0.1091	2.5674	0.1161	-0.0338	0.2383	0.3205
1563	20.4	19.7	-0.0037	2.459	0.1085	2.5638	0.1122	-0.0393	0.2453	0.3182
1564	20.5	19.7	-0.0087	2.4621	0.1073	2.5607	0.1084	-0.0344	0.2318	0.3058
1565	21	19.8	-0.0119	2.464	0.106	2.5582	0.0716	-0.0381	0.2487	0.2822
1566	21.1	19.8	-0.0122	2.4645	0.1057	2.558	0.0464	-0.0348	0.2543	0.2659
1567	20.7	19.7	-0.0147	2.4642	0.1055	2.555	0.0279	-0.0307	0.2494	0.2466
1568	20.6	19.7	-0.0172	2.4643	0.1051	2.5522	0.021	-0.025	0.2507	0.2467
1569	20.4	19.7	-0.0197	2.4646	0.1048	2.5496	0.0047	-0.0156	0.2493	0.2384
1570	19.2	19.6	-0.0234	2.464	0.1059	2.5465	-0.0064	-0.0041	0.2527	0.2422
1571	18.8	19.6	-0.0252	2.4638	0.1064	2.545	-0.0338	-0.0022	0.2655	0.2295
1572	18.7	19.6	-0.0275	2.4637	0.1067	2.543	-0.0632	0.0122	0.2592	0.2083
1573	18.8	19.6	-0.0296	2.4642	0.1064	2.5411	-0.0937	0.0119	0.2552	0.1734
1574	18.9	19.5	-0.0306	2.4655	0.1051	2.54	-0.0805	0.0072	0.2437	0.1704
1575	18.5	19.5	-0.0304	2.4663	0.1034	2.5394	-0.105	0.0016	0.2366	0.1332
1576	18.4	19.4	-0.0313	2.467	0.1024	2.538	-0.1201	-0.0057	0.238	0.1121
1577	18.7	19.4	-0.0326	2.4672	0.1021	2.5367	-0.1109	-0.0205	0.245	0.1136
1578	19.4	19.3	-0.0333	2.4669	0.1026	2.5362	-0.0895	-0.0433	0.2502	0.1174
1579	19	19.2	-0.0325	2.4662	0.1031	2.5367	-0.0821	-0.0391	0.2519	0.1307
1580	19.2	19.2	-0.0316	2.4658	0.103	2.5371	-0.09	-0.0341	0.261	0.1369
1581	19.7	19.2	-0.0307	2.4654	0.1028	2.5376	-0.0832	-0.0237	0.253	0.1461
1582	20.1	19.1	-0.0301	2.4649	0.1033	2.5381	-0.049	-0.034	0.2398	0.1568

1583	19.9	19.1	-0.0316	2.467	0.1016	2.5369	-0.0154	-0.0461	0.2395	0.178
1584	20	19.1	-0.0321	2.4677	0.1004	2.5359	-0.0008	-0.0547	0.257	0.2015
1585	20	19.1	-0.0319	2.4676	0.1002	2.5359	-0.0025	-0.0764	0.2712	0.1923
1586	19.5	19.1	-0.0315	2.4678	0.1004	2.5367	0.0049	-0.076	0.2692	0.1981
1587	20	19.1	-0.0307	2.468	0.0997	2.5371	-0.0039	-0.0599	0.2523	0.1886
1588	18.3	19	-0.0303	2.4665	0.1014	2.5377	0.0084	-0.0574	0.2413	0.1923
1589	18	19.1	-0.0303	2.4648	0.1024	2.5368	0.0124	-0.0687	0.2488	0.1926
1590	18.5	19.1	-0.0312	2.4648	0.1019	2.5356	0.0007	-0.0813	0.2527	0.1721
1591	18.6	19.1	-0.032	2.4657	0.1009	2.5345	-0.0095	-0.0973	0.262	0.1551
1592	18.1	19.1	-0.0323	2.466	0.1001	2.5337	-0.0105	-0.0854	0.2521	0.1563
1593	18.3	19	-0.0325	2.4658	0.1002	2.5335	0.0036	-0.0739	0.2296	0.1592
1594	18.4	19	-0.0323	2.466	0.0997	2.5333	0.0091	-0.0721	0.2258	0.1628
1595	18.3	19	-0.0324	2.4667	0.0991	2.5334	-0.0034	-0.0747	0.2252	0.1471
1596	18.6	19.1	-0.033	2.4668	0.0986	2.5325	0.0268	-0.0851	0.2218	0.1636
1597	19.2	19.1	-0.0339	2.4669	0.0983	2.5313	0.0705	-0.0945	0.219	0.195
1598	19.5	19.1	-0.0339	2.467	0.098	2.5311	0.0957	-0.1	0.219	0.2147
1599	19.5	19.2	-0.0321	2.4665	0.0975	2.532	0.0984	-0.1023	0.2204	0.2164
1600	19.5	19.2	-0.0305	2.4664	0.0967	2.5326	0.0829	-0.0725	0.1977	0.2081
1601	19.8	19.2	-0.0299	2.4672	0.0947	2.532	0.0958	-0.0746	0.2003	0.2215
1602	19.8	19.2	-0.0312	2.4691	0.0943	2.5322	0.1002	-0.0827	0.2057	0.2232
1603	19.9	19.2	-0.0313	2.4696	0.0942	2.5325	0.1112	-0.0827	0.2048	0.2333
1604	20.1	19.3	-0.029	2.4679	0.0942	2.5331	0.1679	-0.0933	0.1915	0.2661
1605	20.2	19.3	-0.026	2.4665	0.094	2.5344	0.1798	-0.0991	0.2009	0.2816
1606	19.9	19.3	-0.0248	2.4675	0.0936	2.5362	0.1844	-0.1071	0.2048	0.2821
1607	18.9	19.2	-0.0243	2.4681	0.0936	2.5374	0.2009	-0.1146	0.1992	0.2856
1608	18.9	19.1	-0.0245	2.4678	0.0935	2.5369	0.2191	-0.1157	0.1974	0.3007
1609	19.3	19	-0.025	2.4672	0.0934	2.5356	0.2599	-0.1162	0.2056	0.3493
1610	18.6	19	-0.0251	2.4671	0.0936	2.5356	0.2808	-0.1309	0.2117	0.3615
1611	18.4	18.9	-0.0255	2.4668	0.094	2.5353	0.3339	-0.1414	0.2014	0.3939
1612	18.6	18.8	-0.0258	2.4661	0.0946	2.5349	0.3474	-0.1365	0.1894	0.4002
1613	18.8	18.7	-0.0252	2.465	0.0954	2.5352	0.2855	-0.0978	0.1933	0.381
1614	18.4	18.6	-0.0255	2.4656	0.0947	2.5348	0.218	-0.0543	0.1859	0.3496
1615	18.5	18.5	-0.0262	2.4663	0.0939	2.5341	0.1412	-0.0225	0.1713	0.29
1616	18.4	18.4	-0.0272	2.4667	0.0938	2.5333	0.0831	0.0063	0.1608	0.2502
1617	17.6	18.4	-0.0282	2.4666	0.0942	2.5325	0.0383	0.0201	0.1597	0.218
1618	17.5	18.4	-0.0289	2.4662	0.0942	2.5315	-0.0214	0.0196	0.1627	0.1609
1619	18.6	18.4	-0.0297	2.4661	0.0936	2.53	-0.0405	0.0152	0.1618	0.1365

1620	18.1	18.4	-0.0287	2.4672	0.0921	2.5306	-0.0316	0.0087	0.159	0.1361
1621	18.5	18.4	-0.0275	2.4667	0.0925	2.5317	-0.0507	0.0065	0.1707	0.1264
1622	17.9	18.4	-0.0255	2.4658	0.0934	2.5337	-0.0567	0.0059	0.1761	0.1253
1623	18.3	18.3	-0.0254	2.4655	0.0937	2.5338	-0.0374	0.0076	0.1784	0.1486
1624	17.9	18.2	-0.0251	2.4656	0.0939	2.5345	-0.042	0.0169	0.1727	0.1476
1625	18.2	18.2	-0.0249	2.466	0.0934	2.5345	-0.0437	0.0265	0.1652	0.1479
1626	19	18.2	-0.0258	2.467	0.0924	2.5336	-0.0332	0.0344	0.1567	0.1579
1627	19.1	18.2	-0.0278	2.4685	0.092	2.5327	-0.0322	0.0357	0.1544	0.1579
1628	19	18.3	-0.0289	2.4681	0.0919	2.5312	-0.0375	0.0377	0.1506	0.1509
1629	18.5	18.2	-0.0288	2.4682	0.0905	2.5299	-0.0343	0.0242	0.1636	0.1535
1630	18.5	18.3	-0.0297	2.4689	0.0898	2.5291	-0.0073	0.0035	0.1761	0.1723
1631	18.4	18.3	-0.0307	2.4694	0.0901	2.5288	0.0235	-0.0042	0.1775	0.1968
1632	17.6	18.3	-0.0317	2.4696	0.0903	2.5281	0.0463	-0.0066	0.1764	0.216
1633	16.6	18.3	-0.0322	2.4697	0.0894	2.527	0.0662	-0.0193	0.1832	0.23
1634	17.3	18.4	-0.0308	2.4698	0.089	2.528	0.0685	-0.0099	0.171	0.2296
1635	18.3	18.3	-0.0313	2.4699	0.0896	2.5282	0.0817	-0.0098	0.1627	0.2345
1636	18.3	18.3	-0.0313	2.4692	0.0908	2.5287	0.102	-0.0137	0.1578	0.246
1637	18.7	18.2	-0.0307	2.4685	0.091	2.5288	0.1038	0.0011	0.1539	0.2588
1638	18.5	18.2	-0.0291	2.4686	0.0901	2.5296	0.0994	0.0079	0.1555	0.2628
1639	18.7	18.2	-0.0266	2.4683	0.0903	2.532	0.1052	-0.009	0.1794	0.2755
1640	18.6	18.2	-0.0245	2.4686	0.0896	2.5337	0.0996	-0.0254	0.1903	0.2645
1641	18.8	18.2	-0.0247	2.4682	0.0899	2.5334	0.0757	-0.0199	0.1838	0.2396
1642	18.6	18.2	-0.0259	2.4686	0.0898	2.5325	0.0657	-0.0073	0.1734	0.2318
1643	18.1	18.3	-0.0254	2.469	0.0893	2.5329	0.0745	-0.0149	0.175	0.2345
1644	17.6	18.3	-0.021	2.4683	0.089	2.5363	0.0928	-0.0178	0.1782	0.2532
1645	17.9	18.3	-0.0201	2.4675	0.0889	2.5364	0.1148	-0.0138	0.1728	0.2738
1646	18	18.3	-0.0222	2.4676	0.0884	2.5338	0.1252	-0.0119	0.168	0.2814
1647	18.4	18.3	-0.0249	2.4684	0.0878	2.5314	0.125	-0.0184	0.1637	0.2703
1648	18.8	18.4	-0.0267	2.4693	0.0878	2.5304	0.12	-0.0158	0.1592	0.2634
1649	18.6	18.4	-0.0275	2.4686	0.0888	2.5299	0.1121	-0.0037	0.1449	0.2533
1650	18.5	18.4	-0.0278	2.4677	0.089	2.5289	0.1294	-0.0162	0.1476	0.2609
1651	18.2	18.4	-0.0274	2.468	0.0887	2.5293	0.1366	-0.0234	0.1399	0.2531
1652	17.7	18.3	-0.0281	2.4675	0.0892	2.5286	0.1285	0.0003	0.1167	0.2456
1653	18	18.3	-0.0287	2.467	0.0895	2.5278	0.1175	0.0193	0.1129	0.2497
1654	18.5	18.4	-0.029	2.4667	0.0896	2.5273	0.1162	0.0157	0.1157	0.2475
1655	18.6	18.4	-0.0275	2.4661	0.0896	2.5282	0.1393	-0.0045	0.1186	0.2534
1656	18.5	18.4	-0.0252	2.4652	0.0897	2.5297	0.1814	-0.0263	0.1283	0.2834

1657	18.8	18.4	-0.0221	2.4643	0.0895	2.5318	0.2152	-0.0279	0.1367	0.324
1658	18.8	18.3	-0.0189	2.4634	0.0893	2.5337	0.244	-0.0307	0.1388	0.352
1659	18.4	18.3	-0.0181	2.4623	0.0892	2.5334	0.2549	-0.0447	0.1498	0.36
1660	18.8	18.2	-0.0198	2.4632	0.0893	2.5326	0.2466	-0.052	0.1643	0.3588
1661	17.9	18.2	-0.0226	2.4636	0.09	2.531	0.2261	-0.0499	0.1708	0.3469
1662	18.3	18.3	-0.0247	2.4643	0.0898	2.5293	0.1996	-0.0421	0.1568	0.3142
1663	18.4	18.3	-0.0255	2.4645	0.0899	2.5289	0.1756	-0.0384	0.1598	0.297
1664	18.4	18.3	-0.0228	2.4644	0.0901	2.5317	0.1669	-0.0343	0.1638	0.2964
1665	18.2	18.3	-0.0202	2.4634	0.09	2.5331	0.1449	-0.0103	0.1448	0.2795
1666	17.8	18.2	-0.016	2.4625	0.0897	2.5362	0.125	0.0095	0.1321	0.2665
1667	17.6	18.2	-0.0126	2.4623	0.0893	2.5389	0.1117	0.0149	0.131	0.2577
1668	17.5	18.2	-0.0132	2.4628	0.0889	2.5385	0.107	0.0029	0.1366	0.2465
1669	17.6	18.2	-0.0166	2.4637	0.0889	2.536	0.1015	-0.01	0.148	0.2395
1670	18.7	18.2	-0.0183	2.4634	0.0888	2.5339	0.0965	-0.019	0.1547	0.2323
1671	18.4	18.2	-0.0195	2.4632	0.0888	2.5325	0.1251	-0.0201	0.1447	0.2497
1672	18.5	18.2	-0.0237	2.463	0.0889	2.5282	0.1495	-0.026	0.1507	0.2742
1673	17.8	18.2	-0.0254	2.4625	0.0892	2.5264	0.1701	-0.0376	0.1614	0.2939
1674	18.5	18.1	-0.0262	2.4629	0.0886	2.5252	0.1523	-0.041	0.1641	0.2754
1675	18.2	18.1	-0.0271	2.4629	0.0877	2.5236	0.1398	-0.0332	0.1626	0.2692
1676	18.5	18.2	-0.0281	2.4634	0.0869	2.5222	0.1187	-0.013	0.1502	0.256
1677	18.4	18.2	-0.0288	2.4634	0.087	2.5216	0.0889	0.0119	0.1309	0.2317
1678	18.1	18.2	-0.0298	2.4645	0.0863	2.5209	0.0382	0.0406	0.1239	0.2028
1679	18.2	18.2	-0.0318	2.4659	0.0855	2.5195	0.0147	0.0395	0.1344	0.1886
1680	18.2	18.1	-0.034	2.4662	0.0852	2.5175	0.008	0.0482	0.1216	0.1778
1681	18.2	18	-0.0353	2.4661	0.0852	2.516	-0.0044	0.0544	0.1107	0.1606
1682	18.2	18	-0.0367	2.4669	0.085	2.5151	-0.0016	0.0475	0.1122	0.1581
1683	18.1	17.9	-0.0385	2.468	0.0845	2.514	0.0001	0.0453	0.1111	0.1565
1684	18.2	17.9	-0.0403	2.4687	0.0841	2.5125	0.0018	0.0522	0.0976	0.1517
1685	18.2	17.9	-0.0421	2.469	0.0844	2.5113	0.0206	0.0628	0.0898	0.1731
1686	17.9	17.9	-0.0419	2.4677	0.085	2.5108	0.0246	0.0676	0.0996	0.1918
1687	17.9	17.8	-0.0406	2.4672	0.0842	2.5108	0.0401	0.056	0.1241	0.2202
1688	17.1	17.8	-0.0408	2.4674	0.0835	2.5101	0.0513	0.0454	0.1351	0.2318
1689	17.4	17.8	-0.0403	2.4673	0.0833	2.5104	0.0589	0.0387	0.1259	0.2235
1690	17.1	17.8	-0.0387	2.4668	0.0835	2.5116	0.0738	0.0366	0.1235	0.2339
1691	17.1	17.8	-0.0386	2.4664	0.0835	2.5113	0.0908	0.0534	0.1126	0.2567
1692	17.3	17.8	-0.0398	2.4675	0.0826	2.5103	0.1085	0.0457	0.1136	0.2678
1693	17.9	17.7	-0.0418	2.4676	0.0824	2.5082	0.1295	0.0373	0.1064	0.2732

1694	18.2	17.7	-0.0438	2.4674	0.0824	2.5059	0.1532	0.0326	0.106	0.2917
1695	18	17.6	-0.045	2.4679	0.0823	2.5052	0.2061	0.0204	0.107	0.3335
1696	17.8	17.5	-0.0455	2.4687	0.0822	2.5054	0.2207	0.0106	0.1095	0.3408
1697	18.1	17.4	-0.0459	2.4685	0.0824	2.505	0.2042	0.0086	0.1122	0.325
1698	17.6	17.4	-0.0451	2.4674	0.0835	2.5058	0.1826	0.0059	0.1162	0.3047
1699	18	17.4	-0.045	2.4682	0.0827	2.5059	0.1612	0.0138	0.1262	0.3011
1700	17.6	17.4	-0.0441	2.4687	0.0827	2.5073	0.1466	0.0163	0.1397	0.3026
1701	17.8	17.4	-0.0428	2.4672	0.0831	2.5075	0.1334	0.0088	0.1427	0.2849
1702	17.3	17.4	-0.0429	2.4672	0.083	2.5073	0.1196	0.0118	0.1366	0.2679
1703	17.1	17.3	-0.043	2.468	0.0827	2.5078	0.1014	0.0132	0.1288	0.2433
1704	16.8	17.3	-0.043	2.4684	0.0823	2.5077	0.1225	0.0155	0.0908	0.2288
1705	16.6	17.2	-0.0442	2.4691	0.0811	2.5061	0.1727	0.0115	0.0469	0.2311
1706	16.7	17.2	-0.0464	2.4703	0.0799	2.5038	0.208	-0.0042	0.0541	0.2579
1707	16.8	17.2	-0.0487	2.4711	0.0797	2.5022	0.2345	-0.0279	0.0723	0.2789
1708	16.9	17.2	-0.05	2.4723	0.0785	2.5009	0.2428	-0.0394	0.0763	0.2797
1709	16.7	17.1	-0.0497	2.4724	0.077	2.4997	0.2395	-0.0457	0.072	0.2658
1710	17.4	17.1	-0.0477	2.4721	0.0765	2.5009	0.2225	-0.0433	0.0663	0.2456
1711	16.8	17	-0.0454	2.471	0.0783	2.5038	0.1899	-0.0174	0.0524	0.225
1712	16.9	17	-0.0433	2.4699	0.0786	2.5052	0.159	-0.0052	0.0483	0.2021
1713	16.9	17	-0.0419	2.4685	0.079	2.5056	0.1209	0.0002	0.0469	0.168
1714	17.4	17	-0.04	2.4666	0.0802	2.5068	0.0578	0.0064	0.0598	0.124
1715	17.7	17	-0.0387	2.4654	0.0807	2.5074	0.0194	0.0237	0.075	0.118
1716	17.8	17	-0.0384	2.4652	0.0807	2.5075	0.0338	0.0056	0.0895	0.1289
1717	17	16.9	-0.0389	2.4663	0.0805	2.5078	0.0798	-0.0324	0.1063	0.1537
1718	16.6	16.9	-0.039	2.4672	0.0794	2.5076	0.1223	-0.0504	0.1028	0.1747
1719	17.2	16.9	-0.0394	2.468	0.0782	2.5068	0.1303	-0.0516	0.0923	0.171
1720	17.1	16.9	-0.0412	2.4692	0.0777	2.5056	0.1103	-0.0489	0.0898	0.1513
1721	16.8	16.9	-0.0425	2.4693	0.0775	2.5043	0.1108	-0.0677	0.0923	0.1355
1722	16.6	16.9	-0.0425	2.4696	0.0772	2.5043	0.1179	-0.0902	0.0955	0.1232
1723	16.5	16.9	-0.0406	2.4696	0.0773	2.5063	0.0843	-0.1008	0.096	0.0795
1724	16.3	16.9	-0.0391	2.469	0.0777	2.5076	0.0823	-0.1033	0.1022	0.0812
1725	16.7	16.9	-0.0368	2.4673	0.0784	2.5089	0.0871	-0.0981	0.0923	0.0813
1726	16.3	16.9	-0.0347	2.4658	0.0793	2.5105	0.0977	-0.0942	0.0791	0.0826
1727	16.4	16.9	-0.0316	2.4645	0.0796	2.5125	0.1064	-0.092	0.0656	0.08
1728	16.9	16.8	-0.0303	2.4642	0.0785	2.5123	0.121	-0.0744	0.0614	0.108
1729	17.3	16.7	-0.0296	2.4634	0.0784	2.5121	0.1141	-0.0608	0.0594	0.1127
1730	17.2	16.7	-0.0292	2.4635	0.0788	2.513	0.116	-0.0464	0.0557	0.1254

1731	17	16.7	-0.0306	2.4646	0.0789	2.513	0.1328	-0.0387	0.0479	0.142
1732	16.9	16.6	-0.0318	2.465	0.0792	2.5124	0.1397	-0.0208	0.0324	0.1513
1733	17	16.6	-0.0323	2.4645	0.0796	2.5118	0.1405	-0.0014	0.0197	0.1588
1734	17.3	16.6	-0.0329	2.4636	0.08	2.5107	0.1455	0.0071	0.0129	0.1655
1735	17.3	16.6	-0.0338	2.4631	0.0797	2.509	0.1554	0.0121	0.0047	0.1723
1736	16.9	16.6	-0.0353	2.4636	0.0784	2.5067	0.1681	0.0194	-0.0042	0.1834
1737	16.1	16.6	-0.0358	2.464	0.0775	2.5057	0.162	0.0046	0.0115	0.1781
1738	15.5	16.6	-0.035	2.4647	0.0775	2.5072	0.1767	-0.0037	0.0072	0.1802
1739	15.9	16.5	-0.034	2.4647	0.0779	2.5086	0.1392	0.0009	0.0025	0.1426
1740	16.4	16.5	-0.0335	2.4632	0.0784	2.508	0.1471	-0.001	0.0106	0.1568
1741	16.1	16.5	-0.0356	2.4636	0.0786	2.5066	0.1625	-0.0115	0.0295	0.1805
1742	16.2	16.5	-0.0388	2.4649	0.0791	2.5051	0.139	-0.0095	0.0349	0.1644
1743	16.5	16.5	-0.0407	2.4657	0.0787	2.5037	0.0942	0.0007	0.0376	0.1325
1744	16.2	16.5	-0.0416	2.4662	0.0783	2.503	0.0399	0.0064	0.0454	0.0917
1745	16.1	16.5	-0.0421	2.4665	0.078	2.5023	-0.0577	0.0176	0.0493	0.0091
1746	16.8	16.5	-0.0426	2.4667	0.0772	2.5013	-0.1289	0.0336	0.0542	-0.0411
1747	16.6	16.6	-0.0431	2.4678	0.0762	2.5009	-0.1285	0.0433	0.0512	-0.034
1748	16.2	16.7	-0.0428	2.4679	0.0752	2.5003	-0.1031	0.0388	0.0425	-0.0217
1749	16.5	16.7	-0.0422	2.467	0.0748	2.4997	-0.1034	0.0212	0.0558	-0.0263
1750	17	16.7	-0.0411	2.4668	0.0747	2.5004	-0.1107	0.0178	0.0558	-0.0371
1751	17	16.7	-0.0394	2.4668	0.0751	2.5025	-0.1082	0.0207	0.0574	-0.0301
1752	16.9	16.6	-0.0382	2.4662	0.0763	2.5043	-0.0956	0.0056	0.0617	-0.0283
1753	17.1	16.6	-0.041	2.4655	0.0804	2.505	-0.0983	0.0059	0.0619	-0.0305
1754	17.4	16.6	-0.0462	2.4655	0.0849	2.5042	-0.0995	0.0146	0.0591	-0.0258
1755	17.8	16.6	-0.0483	2.4665	0.0842	2.5024	-0.1004	0.0185	0.0558	-0.0262
1756	17.6	16.5	-0.0487	2.468	0.0824	2.5018	-0.1143	0.0261	0.0441	-0.0442
1757	16.4	16.5	-0.0464	2.4683	0.0819	2.5038	-0.1388	0.0387	0.0318	-0.0683
1758	16.1	16.5	-0.0429	2.4679	0.0821	2.5071	-0.1654	0.0486	0.0299	-0.087
1759	16.4	16.5	-0.0404	2.4667	0.0826	2.5088	-0.1809	0.0618	0.0174	-0.1018
1760	15.8	16.4	-0.0388	2.4649	0.084	2.5101	-0.1798	0.0634	0.0006	-0.1158
1761	15.7	16.4	-0.0385	2.4641	0.0851	2.5107	-0.1604	0.061	-0.0045	-0.1039
1762	16	16.3	-0.0368	2.4642	0.0851	2.5125	-0.1364	0.0489	0.0154	-0.0721
1763	15.9	16.3	-0.0313	2.4638	0.0839	2.5165	-0.1139	0.0374	0.0188	-0.0577
1764	15.8	16.2	-0.0248	2.462	0.0826	2.5199	-0.0984	0.0211	0.0238	-0.0535
1765	15.5	16.2	-0.0235	2.4628	0.081	2.5203	-0.0773	-0.0006	0.0382	-0.0397
1766	16.8	16.1	-0.024	2.4658	0.0791	2.5209	-0.063	-0.0148	0.0446	-0.0333
1767	16.5	16.1	-0.0248	2.4673	0.079	2.5215	-0.0606	-0.0169	0.0448	-0.0327

1768	15.9	16.1	-0.0262	2.4679	0.0797	2.5214	-0.0679	-0.004	0.0429	-0.029
1769	15.7	16.1	-0.0276	2.4686	0.0799	2.5209	-0.0698	0.0071	0.0301	-0.0327
1770	15.7	16.2	-0.0294	2.4701	0.0796	2.5203	-0.075	0.0168	0.0151	-0.0432
1771	15.8	16.3	-0.0313	2.4722	0.0793	2.5202	-0.0986	0.0317	0.009	-0.0579
1772	16.5	16.3	-0.0322	2.4731	0.0793	2.5202	-0.1159	0.0334	0.0066	-0.0759
1773	16.7	16.4	-0.0336	2.4729	0.079	2.5182	-0.1179	0.0381	0.0036	-0.0762
1774	16.7	16.5	-0.0349	2.4727	0.0793	2.5171	-0.0951	0.0383	0.0048	-0.052
1775	16.2	16.6	-0.0368	2.4723	0.0798	2.5153	-0.0759	0.0308	0.0095	-0.0356
1776	16.7	16.6	-0.0387	2.4726	0.0804	2.5142	-0.0467	0.0091	0.019	-0.0185
1777	15.7	16.6	-0.0409	2.4709	0.0809	2.5108	-0.0182	-0.0113	0.0323	0.0027
1778	16.6	16.7	-0.0413	2.4705	0.0803	2.5096	0.0235	-0.0296	0.0364	0.0303
1779	17.1	16.7	-0.0434	2.4705	0.0799	2.507	0.0414	-0.0342	0.0211	0.0283
1780	17.2	16.7	-0.0472	2.4701	0.0804	2.5033	0.052	-0.046	0.0199	0.0258
1781	16.9	16.7	-0.0493	2.4682	0.082	2.5008	0.0582	-0.0454	0.0263	0.0391
1782	17.3	16.7	-0.0508	2.467	0.083	2.4992	0.0399	-0.0287	0.0284	0.0396
1783	17.8	16.6	-0.053	2.4673	0.0832	2.4974	0.0228	-0.0234	0.0327	0.0321
1784	17.5	16.5	-0.0559	2.4675	0.0837	2.4953	0.0144	-0.0317	0.0404	0.0231
1785	17	16.4	-0.0589	2.467	0.0848	2.4929	0.0063	-0.0464	0.0469	0.0068
1786	17.2	16.3	-0.0581	2.4673	0.0838	2.493	-0.0072	-0.0538	0.0419	-0.0192
1787	16.5	16.3	-0.0583	2.4676	0.0835	2.4928	-0.0316	-0.0473	0.0232	-0.0557
1788	16.5	16.2	-0.0547	2.4673	0.0832	2.4958	-0.0401	-0.0423	0.0094	-0.0729
1789	16.2	16.1	-0.055	2.4674	0.0823	2.4947	-0.0274	-0.0307	0.0092	-0.0489
1790	15.9	16	-0.055	2.468	0.0806	2.4936	-0.0106	-0.0323	0.0164	-0.0265
1791	15.9	16	-0.0525	2.4674	0.08	2.4949	-0.0037	-0.0569	0.0237	-0.0369
1792	15.5	15.8	-0.0492	2.4674	0.0789	2.497	-0.0387	-0.0513	0.0275	-0.0624
1793	14.7	15.6	-0.0458	2.4669	0.0778	2.499	-0.0953	-0.0304	0.0374	-0.0883
1794	14.4	15.4	-0.038	2.4656	0.0775	2.505	-0.1293	-0.0159	0.0308	-0.1144
1795	14.7	15.2	-0.0321	2.4645	0.0769	2.5093	-0.1478	-0.0069	0.0242	-0.1304
1796	15	15.1	-0.0326	2.4643	0.0771	2.5088	-0.1606	-0.003	0.0188	-0.1448
1797	15	15	-0.0356	2.4646	0.0781	2.5072	-0.1719	0.002	0.0041	-0.1658
1798	15	15.2	-0.0348	2.4652	0.078	2.5084	-0.1856	0.0224	-0.0134	-0.1766
1799	15.5	15.4	-0.0339	2.4664	0.0772	2.5096	-0.1825	0.0244	-0.0335	-0.1916
1800	15.6	15.6	-0.0333	2.4666	0.0769	2.5103	-0.1739	0.0076	-0.0411	-0.2075