Test Name	**ACM PE, PIR, rep 2**
Cladding	**Aluminium Composite Material (ACM) PE**
Cladding Thickness [mm]	**4**
Insulation	**Polyisocyanurate (PIR) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of an Aluminium Composite Material (ACM) PE cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 1 minute the PE core began to drip from the ACM panel, and continued to burn within the debris tray. At 3 minutes, the fire size reduces as mechanical effects limit the pyrolysis of the polyethylene core. This is overcome at 5 minutes as the fire begins to grow again where flaming grows at the edges of the panels and the polyethylene core begins to pyrolyse and drip into the debris tray again. At approximately 6 minutes, smoking droplets were observed coming out from the sides of the ACM PE panel.
Peak HRR [kW]	**545**
Time to Peak HRR [mins]	**6.8**
Residual HRR [kW]	**2.34**
Total HR [MJ]	**75.8**
Peak dQ/dt [kW/s]	**8.2**
Time to Peak dQ/dt [s]	**7.25**

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	0.207	0.207	3.2683	1.8582	-0.0014	5.1251	-0.0967	0.3924	0.0045	0.3002
1	0.48	0.417	3.2743	1.8574	0	5.1317	-0.0735	0.3872	0.0063	0.3201
2	0.563	0.565	3.2724	1.8563	0.0001	5.1288	-0.0633	0.3892	0.007	0.3329
3	0.685	0.644	3.2718	1.8549	0.0004	5.127	-0.0672	0.4036	0.0106	0.347
4	0.891	0.843	3.2719	1.8539	0.0001	5.1259	-0.1041	0.379	-0.0013	0.2736
5	0.856	1.48	3.271	1.8537	0	5.1247	-0.1152	0.369	-0.007	0.2469
6	0.828	2.32	3.27	1.8525	-0.0001	5.1223	-0.118	0.3784	-0.0025	0.2579
7	1.15	3.1	3.2685	1.8507	-0.0005	5.1187	-0.114	0.3929	-0.0024	0.2765
8	1.93	3.87	3.267	1.8498	-0.0006	5.1161	-0.0989	0.3855	-0.0032	0.2834
9	3.39	4.63	3.2667	1.848	-0.0006	5.1141	-0.0703	0.3772	-0.0021	0.3048
10	5.35	5.19	3.268	1.8456	-0.0009	5.1127	-0.0457	0.3841	0.0027	0.3411
11	6.58	5.74	3.2699	1.8437	-0.0008	5.1127	-0.0222	0.3933	0.0018	0.373
12	7.22	6.3	3.2722	1.8421	-0.0011	5.1132	-0.0062	0.3874	0.0037	0.385
13	7.85	6.88	3.2759	1.8411	-0.0009	5.116	-0.0209	0.3793	0.0042	0.3626
14	8.44	7.44	3.2764	1.8404	-0.0009	5.1159	-0.0202	0.3664	0.0023	0.3485
15	9.35	8.02	3.2767	1.8407	-0.0009	5.1164	-0.0264	0.3502	-0.0001	0.3237
16	10	8.61	3.2768	1.84	-0.0013	5.1156	-0.0344	0.3314	0.0028	0.2998
17	10.9	9.21	3.2769	1.8392	-0.0014	5.1148	-0.1163	0.3086	0.0049	0.1972
18	11.3	9.78	3.278	1.8385	-0.0014	5.1151	-0.2265	0.2922	0.0081	0.0738
19	10.9	10.3	3.2786	1.8389	-0.0015	5.116	-0.2569	0.2888	0.008	0.0399
20	10.9	10.6	3.2801	1.8391	-0.0018	5.1174	-0.2299	0.279	0.0038	0.0529
21	11.2	10.9	3.2803	1.8392	-0.0016	5.1179	-0.1947	0.2762	0.0033	0.0848
22	11.7	11.2	3.281	1.8398	-0.0013	5.1195	-0.1601	0.2781	0.0036	0.1216
23	11.6	11.4	3.2806	1.8394	-0.0015	5.1186	-0.0962	0.2777	0.0011	0.1826
24	11.8	11.6	3.281	1.8389	-0.002	5.1179	-0.0765	0.2877	0.0035	0.2148
25	12.1	11.8	3.2815	1.8382	-0.0016	5.1181	-0.0698	0.287	0.0024	0.2196
26	12.6	11.9	3.2806	1.8385	-0.001	5.1182	-0.0982	0.2729	0.0048	0.1794
27	12.7	12	3.2793	1.8388	-0.0006	5.1175	-0.2067	0.2638	0.0058	0.063
28	12.4	12	3.2778	1.8401	-0.001	5.1169	-0.2812	0.2525	0.0075	-0.0212

29	12.5	12	3.2772	1.8407	-0.0013	5.1167	-0.2648	0.2454	0.0083	-0.0111
30	12.4	12.1	3.2769	1.8405	-0.0014	5.116	-0.2277	0.246	0.0086	0.0269
31	12.3	12.1	3.2768	1.8405	-0.0017	5.1156	-0.274	0.2405	0.0044	-0.0291
32	12.2	12.1	3.2773	1.8408	-0.0014	5.1167	-0.3121	0.242	0.0022	-0.0678
33	12.3	12.1	3.275	1.8408	-0.0011	5.1147	-0.3649	0.243	-0.0012	-0.1231
34	12	12.1	3.2731	1.8408	-0.0013	5.1126	-0.4594	0.2473	0.003	-0.2092
35	12.5	12.1	3.2723	1.8399	-0.0011	5.111	-0.4667	0.2565	0.0053	-0.205
36	11.9	12.1	3.2707	1.84	-0.0012	5.1095	-0.4279	0.269	0.0028	-0.1561
37	11.6	12	3.2718	1.8396	-0.0016	5.1098	-0.3967	0.2648	0.0012	-0.1308
38	11.9	12	3.2744	1.8396	-0.0016	5.1124	-0.3703	0.2676	-0.0004	-0.1031
39	11.9	12	3.2812	1.8395	-0.0016	5.119	-0.3327	0.269	-0.0021	-0.0658
40	11.5	11.9	3.2882	1.8398	-0.0015	5.1265	-0.3251	0.265	-0.0071	-0.0672
41	11.7	11.9	3.2904	1.8413	-0.0009	5.1308	-0.3383	0.2626	-0.0077	-0.0833
42	11.7	11.9	3.2875	1.8423	-0.0006	5.1291	-0.3927	0.259	-0.0078	-0.1415
43	11.9	11.8	3.2863	1.8426	-0.001	5.1278	-0.4413	0.251	-0.0128	-0.203
44	12.4	11.8	3.2844	1.8424	-0.0011	5.1257	-0.4887	0.2446	-0.0248	-0.269
45	12.1	11.7	3.2819	1.8423	-0.0011	5.123	-0.5352	0.2453	-0.0354	-0.3253
46	11.6	11.7	3.2808	1.8425	-0.0011	5.1222	-0.5279	0.2561	-0.0485	-0.3203
47	11.6	11.6	3.2797	1.8415	-0.0016	5.1196	-0.5286	0.2659	-0.0614	-0.3242
48	11.8	11.6	3.2791	1.8406	-0.0015	5.1182	-0.5532	0.2603	-0.0736	-0.3666
49	12.1	11.5	3.278	1.8405	-0.0012	5.1173	-0.5824	0.2534	-0.0857	-0.4148
50	12.3	11.5	3.2769	1.8404	-0.0013	5.116	-0.5893	0.2556	-0.1098	-0.4436
51	11.4	11.5	3.2764	1.8399	-0.0013	5.115	-0.5991	0.2431	-0.1555	-0.5115
52	11	11.4	3.2767	1.8388	-0.0015	5.114	-0.4836	0.249	-0.1829	-0.4175
53	11.1	11.4	3.2788	1.8397	-0.0009	5.1176	-0.484	0.252	-0.215	-0.4471
54	11.1	11.3	3.2795	1.8398	-0.0006	5.1188	-0.4841	0.2373	-0.2293	-0.4761
55	10.8	11.2	3.2797	1.839	-0.0008	5.1179	-0.4828	0.2305	-0.2524	-0.5047
56	10.9	11.2	3.2796	1.8377	-0.0008	5.1166	-0.4716	0.2312	-0.2654	-0.5058
57	11.1	11.2	3.2789	1.8378	-0.0008	5.1159	-0.4601	0.2291	-0.2794	-0.5104
58	11.1	11.2	3.2773	1.8379	-0.0008	5.1144	-0.4485	0.227	-0.3007	-0.5223
59	11	11.2	3.2759	1.8371	-0.0011	5.1119	-0.4507	0.2313	-0.3203	-0.5398
60	11	11.1	3.2745	1.8361	-0.001	5.1096	-0.4512	0.2388	-0.3345	-0.5469
61	11	11.1	3.2735	1.8361	-0.0012	5.1085	-0.4273	0.2415	-0.3485	-0.5343
62	10.8	11.2	3.2745	1.8362	-0.0012	5.1095	-0.3921	0.2279	-0.364	-0.5282
63	11	11.2	3.2744	1.8367	-0.0011	5.11	-0.3744	0.2099	-0.3823	-0.5468
64	10.8	11.2	3.2749	1.8374	-0.0009	5.1113	-0.2929	0.2059	-0.3944	-0.4813
65	11.4	11.3	3.2754	1.8383	-0.0011	5.1126	-0.2556	0.2016	-0.4128	-0.4668

66	11.5	11.3	3.2809	1.8395	-0.0013	5.1191	-0.2174	0.1999	-0.4295	-0.447
67	11.6	11.3	3.2885	1.8403	-0.0015	5.1273	-0.1904	0.1924	-0.438	-0.436
68	11.5	11.4	3.2909	1.8402	-0.0015	5.1296	-0.17	0.1897	-0.4539	-0.4342
69	11.3	11.5	3.2892	1.8406	-0.0012	5.1286	-0.1275	0.1888	-0.4649	-0.4035
70	11.4	11.5	3.287	1.8405	-0.0012	5.1263	-0.0626	0.1944	-0.4809	-0.3491
71	11.7	11.6	3.2847	1.8401	-0.0012	5.1236	0.0368	0.1849	-0.5105	-0.2887
72	11.2	11.6	3.2802	1.8399	-0.001	5.119	0.1017	0.17	-0.5389	-0.2672
73	12.2	11.7	3.2788	1.8388	-0.0012	5.1164	0.1419	0.1724	-0.5574	-0.2431
74	11.7	11.8	3.2784	1.8386	-0.0011	5.1159	0.1758	0.1669	-0.5818	-0.2392
75	11.7	11.8	3.2806	1.8394	-0.0013	5.1187	0.1761	0.1547	-0.5943	-0.2635
76	11.6	11.9	3.2891	1.8398	-0.0014	5.1275	0.2016	0.1481	-0.5979	-0.2482
77	12.5	11.9	3.2951	1.8404	-0.0015	5.134	0.219	0.1466	-0.5996	-0.234
78	12.2	11.9	3.2941	1.8408	-0.0016	5.1332	0.2509	0.1558	-0.5974	-0.1908
79	11.6	12	3.2914	1.8405	-0.0016	5.1302	0.2775	0.18	-0.6047	-0.1472
80	11.8	12	3.2953	1.8407	-0.0013	5.1347	0.3125	0.1971	-0.6113	-0.1018
81	12.3	12	3.2987	1.8403	-0.0011	5.1379	0.3395	0.2008	-0.6148	-0.0745
82	12.2	12	3.3034	1.84	-0.0008	5.1426	0.3706	0.1964	-0.6181	-0.0511
83	12.1	12	3.3117	1.8394	-0.0012	5.1499	0.4242	0.2005	-0.6195	0.0052
84	12.7	12.1	3.3128	1.8383	-0.0014	5.1498	0.4256	0.2161	-0.624	0.0177
85	12.2	12.1	3.3099	1.837	-0.0012	5.1458	0.4271	0.2164	-0.6186	0.025
86	12.2	12.2	3.3077	1.8371	-0.001	5.1437	0.4476	0.2046	-0.6062	0.0459
87	11.8	12.3	3.3057	1.8366	-0.0009	5.1414	0.44	0.2239	-0.6009	0.063
88	12	12.4	3.3027	1.8362	-0.0007	5.1382	0.4602	0.2427	-0.6067	0.0961
89	12.1	12.6	3.3024	1.8363	-0.0003	5.1384	0.534	0.2505	-0.6065	0.178
90	11.9	12.8	3.3039	1.8362	-0.0002	5.1399	0.6515	0.2595	-0.6101	0.301
91	11.9	13	3.3093	1.8363	-0.0002	5.1454	0.7427	0.2686	-0.6076	0.4037
92	12.4	13.2	3.3142	1.8368	0.0002	5.1512	0.7646	0.2878	-0.6019	0.4505
93	12.2	13.5	3.3191	1.8371	0.0014	5.1576	0.7231	0.3142	-0.5949	0.4424
94	13.1	13.7	3.324	1.8368	0.0024	5.1632	0.7519	0.3525	-0.5935	0.5109
95	13.5	14	3.3238	1.8356	0.0037	5.1631	0.7359	0.3693	-0.5812	0.524
96	13.5	14.4	3.3244	1.8344	0.005	5.1638	0.7431	0.3855	-0.573	0.5555
97	14.2	14.8	3.3274	1.8346	0.0063	5.1683	0.7752	0.3755	-0.5627	0.5881
98	14.9	15.3	3.3308	1.8351	0.0076	5.1734	0.8248	0.3526	-0.5553	0.6221
99	15.6	15.8	3.3321	1.8346	0.01	5.1767	0.7937	0.3522	-0.5364	0.6095
100	16	16.4	3.3282	1.8338	0.0142	5.1762	0.7744	0.353	-0.5159	0.6115
101	16.7	17	3.3226	1.8325	0.0183	5.1735	0.5936	0.5216	-0.4925	0.6226
102	17.2	17.6	3.3208	1.8311	0.0216	5.1735	0.1053	1.0023	-0.4647	0.643

103	17.7	18.4	3.3202	1.8311	0.0233	5.1747	-0.3898	1.585	-0.5295	0.6657
104	18	19.3	3.3202	1.8308	0.0254	5.1764	-0.453	1.8025	-0.6029	0.7465
105	19	20.1	3.3182	1.8306	0.0265	5.1753	-0.0808	1.4995	-0.6549	0.7637
106	20.2	21.1	3.316	1.8295	0.0278	5.1734	0.0229	1.4004	-0.6968	0.7265
107	20.3	22	3.3134	1.828	0.0296	5.1709	-0.0725	1.5094	-0.6983	0.7386
108	22.1	23.1	3.312	1.8266	0.0314	5.1701	-0.1343	1.5943	-0.6865	0.7735
109	22.9	24.2	3.3118	1.8241	0.0328	5.1688	-0.6386	2.0885	-0.6561	0.7937
110	23.2	25.4	3.3107	1.8215	0.034	5.1661	-0.5012	1.9497	-0.667	0.7815
111	25.2	26.7	3.3091	1.8209	0.0356	5.1656	-0.1031	1.6141	-0.7086	0.8024
112	26.8	28	3.3096	1.8211	0.0372	5.1679	-0.0099	1.5711	-0.7249	0.8363
113	29	29.4	3.3052	1.8205	0.0385	5.1642	0.1175	1.4315	-0.7335	0.8155
114	30.4	30.9	3.302	1.8203	0.0404	5.1626	0.857	0.6974	-0.7498	0.8046
115	31.4	32.5	3.2984	1.8207	0.042	5.1611	1.2273	0.34	-0.756	0.8112
116	32.5	34.2	3.2959	1.8208	0.0425	5.1592	1.2697	0.3009	-0.7517	0.8189
117	35.3	35.8	3.2939	1.8202	0.044	5.1582	1.3332	0.3176	-0.74	0.9108
118	36.5	37.5	3.2908	1.8196	0.0451	5.1555	1.522	0.3513	-0.7505	1.1229
119	38.9	39.2	3.2848	1.8195	0.0466	5.1509	1.5349	0.3694	-0.7292	1.1752
120	40.7	40.9	3.2765	1.8206	0.0493	5.1463	1.6135	0.4074	-0.7233	1.2975
121	42.2	42.6	3.2701	1.8222	0.0523	5.1446	1.666	0.3538	-0.7124	1.3074
122	44.3	44.2	3.2668	1.8226	0.0544	5.1438	1.6786	0.3422	-0.7041	1.3167
123	46.9	45.9	3.263	1.8227	0.0567	5.1425	1.7387	0.3412	-0.6917	1.3882
124	49.9	47.6	3.2634	1.8234	0.0574	5.1442	1.7448	0.3477	-0.6835	1.4089
125	50.6	49.6	3.2614	1.8234	0.0582	5.1429	1.7308	0.3432	-0.6751	1.3989
126	50.9	51.4	3.2587	1.8239	0.059	5.1416	1.8007	0.3548	-0.657	1.4984
127	55	53.3	3.2542	1.8232	0.0591	5.1365	1.9163	0.366	-0.6506	1.6316
128	55.9	55.2	3.25	1.8221	0.0595	5.1316	1.9859	0.4173	-0.6556	1.7477
129	55	57.1	3.246	1.821	0.0599	5.1269	1.9535	0.4095	-0.6505	1.7125
130	56.8	59	3.2429	1.8204	0.0601	5.1234	1.9546	0.4252	-0.6353	1.7445
131	58.4	60.9	3.2397	1.8208	0.0601	5.1207	2.1171	0.4367	-0.6362	1.9176
132	60.2	62.9	3.2349	1.8207	0.0606	5.1161	2.2309	0.4815	-0.6642	2.0482
133	64	64.9	3.2325	1.8192	0.0613	5.1129	2.3256	0.4918	-0.6668	2.1506
134	69.2	66.9	3.2304	1.8191	0.0606	5.1101	2.46	0.4804	-0.666	2.2743
135	66.3	69.1	3.2275	1.8194	0.0595	5.1064	2.5116	0.4642	-0.6658	2.3099
136	71.8	71.5	3.2267	1.8176	0.0589	5.1032	2.5366	0.4715	-0.6622	2.3458
137	72.7	73.9	3.2258	1.8153	0.0591	5.1001	2.5071	0.4982	-0.6576	2.3477
138	74.4	76.3	3.221	1.8145	0.059	5.0946	2.516	0.4819	-0.686	2.3119
139	76.3	78.9	3.216	1.8135	0.0594	5.0889	2.4665	0.4727	-0.6916	2.2476

140	79.4	81.5	3.2139	1.8129	0.0593	5.0861	2.4625	0.4724	-0.6951	2.2398
141	81.5	84.3	3.2139	1.8125	0.0592	5.0857	2.536	0.4825	-0.7017	2.3168
142	84.6	87.2	3.2152	1.8108	0.0589	5.0849	2.6252	0.5272	-0.6952	2.4572
143	87.4	89.7	3.2111	1.8073	0.0583	5.0767	2.7972	0.5736	-0.753	2.6177
144	92.5	92.1	3.2109	1.8055	0.057	5.0733	3.0484	0.6659	-0.9033	2.811
145	96.2	94.8	3.2076	1.8037	0.0562	5.0674	3.1163	0.6277	-0.8992	2.8449
146	102	97.5	3.2032	1.805	0.0552	5.0634	3.15	0.5632	-0.8865	2.8267
147	101	101	3.1972	1.8062	0.0539	5.0574	3.1856	0.5379	-0.8731	2.8504
148	105	103	3.1997	1.8054	0.0522	5.0573	3.2321	0.5507	-0.8635	2.9194
149	105	107	3.2005	1.8052	0.0504	5.0562	3.2826	0.5752	-0.8413	3.0165
150	112	110	3.2175	1.7882	0.048	5.0538	3.3043	0.5686	-0.8211	3.0518
151	115	113	3.2659	1.7397	0.0452	5.0507	3.378	0.5249	-0.7695	3.1334
152	112	116	3.3157	1.6803	0.0515	5.0474	3.4005	0.5142	-0.7309	3.1837
153	114	119	3.3241	1.6594	0.0594	5.0429	3.4548	0.5016	-0.6963	3.2601
154	119	122	3.2876	1.6899	0.0649	5.0424	3.4453	0.5055	-0.6769	3.2739
155	122	125	3.2775	1.6989	0.0689	5.0452	3.4371	0.52	-0.6467	3.3104
156	132	128	3.2869	1.6868	0.069	5.0427	3.4574	0.5248	-0.6349	3.3473
157	128	131	3.2923	1.6783	0.0679	5.0385	3.4853	0.5073	-0.6255	3.3672
158	135	134	3.3411	1.629	0.0648	5.035	3.5351	0.4757	-0.6008	3.41
159	137	137	3.326	1.6421	0.0656	5.0337	3.5504	0.4814	-0.5777	3.4542
160	140	140	3.2848	1.6747	0.0698	5.0293	3.5526	0.4587	-0.5619	3.4494
161	144	142	3.2745	1.679	0.0713	5.0248	3.5085	0.4403	-0.5432	3.4056
162	150	145	3.2627	1.6931	0.0721	5.028	3.4852	0.4753	-0.5142	3.4464
163	152	148	3.1887	1.767	0.0739	5.0296	3.5227	0.509	-0.502	3.5297
164	157	150	3.1521	1.8034	0.0747	5.0302	3.5803	0.4803	-0.49	3.5706
165	154	153	3.1484	1.8082	0.074	5.0307	3.587	0.4366	-0.4441	3.5796
166	159	155	3.1476	1.8077	0.0727	5.028	3.61	0.4337	-0.4136	3.6301
167	165	157	3.1363	1.8051	0.0736	5.015	3.6315	0.4828	-0.4226	3.6917
168	161	158	3.1374	1.8033	0.0714	5.0121	3.6742	0.4939	-0.4225	3.7456
169	159	160	3.1279	1.7999	0.0711	4.9989	3.6346	0.5491	-0.4217	3.7619
170	166	162	3.1204	1.8052	0.0701	4.9956	3.6062	0.585	-0.4276	3.7637
171	167	163	3.1168	1.8059	0.0692	4.9919	3.5972	0.5775	-0.4117	3.763
172	168	164	3.1063	1.8057	0.0682	4.9802	3.5981	0.5368	-0.3821	3.7528
173	164	165	3.1043	1.8041	0.0672	4.9756	3.6326	0.494	-0.3499	3.7767
174	168	165	3.1053	1.8043	0.0664	4.976	3.571	0.4886	-0.3298	3.7298
175	167	165	3.1005	1.8039	0.0644	4.9689	3.6846	0.505	-0.3223	3.8673
176	169	165	3.0974	1.8032	0.0637	4.9643	3.6449	0.4385	-0.3077	3.7757

177	166	164	3.0965	1.7987	0.064	4.9592	3.6794	0.4365	-0.3009	3.8149
178	171	163	3.0987	1.7998	0.0635	4.962	3.701	0.3767	-0.2997	3.778
179	169	162	3.0959	1.7979	0.0619	4.9557	3.639	0.3048	-0.2999	3.6439
180	176	160	3.0836	1.797	0.0623	4.9429	3.5457	0.3285	-0.291	3.5833
181	161	158	3.0756	1.7921	0.0653	4.9331	3.4728	0.3692	-0.2794	3.5626
182	162	156	3.0709	1.7908	0.0658	4.9275	3.4547	0.4317	-0.2733	3.6131
183	161	154	3.0657	1.7913	0.0654	4.9225	3.4655	0.4504	-0.2654	3.6505
184	158	151	3.0617	1.7919	0.0652	4.9188	3.5295	0.4026	-0.2515	3.6806
185	154	148	3.0563	1.7899	0.065	4.9112	3.5401	0.398	-0.2479	3.6902
186	149	145	3.0569	1.7873	0.0647	4.909	3.5052	0.4092	-0.2545	3.6598
187	144	141	3.0541	1.7884	0.0677	4.9102	3.4974	0.3528	-0.265	3.5852
188	136	138	3.0561	1.7889	0.0684	4.9134	3.4706	0.3351	-0.2625	3.5433
189	133	135	3.0562	1.789	0.0692	4.9144	3.4217	0.3299	-0.2601	3.4915
190	130	131	3.0503	1.788	0.0699	4.9082	3.4305	0.3098	-0.2435	3.4968
191	125	128	3.0467	1.7836	0.0693	4.8996	3.4255	0.3466	-0.2462	3.5259
192	121	124	3.0345	1.7794	0.0756	4.8895	3.466	0.3661	-0.2496	3.5826
193	114	121	3.0142	1.7706	0.0917	4.8765	3.4914	0.35	-0.2463	3.5951
194	110	118	3.0123	1.7741	0.0923	4.8787	3.4606	0.3202	-0.2443	3.5365
195	108	115	3.0088	1.7792	0.0924	4.8804	3.4776	0.3268	-0.2553	3.5492
196	106	112	3.0058	1.7806	0.0923	4.8787	3.4723	0.36	-0.2635	3.5688
197	105	109	3.0041	1.7796	0.0926	4.8763	3.4752	0.3945	-0.2684	3.6012
198	106	107	3.0025	1.7775	0.0917	4.8718	3.4463	0.4108	-0.2833	3.5739
199	101	105	3.0016	1.7777	0.0922	4.8715	3.4585	0.3722	-0.3052	3.5255
200	105	103	2.9904	1.7813	0.0911	4.8629	3.5003	0.3653	-0.3209	3.5447
201	95.5	101	2.9826	1.7811	0.0914	4.8551	3.7933	0.1701	-0.3777	3.5857
202	98.4	99.6	2.9753	1.7809	0.0912	4.8475	4.3324	-0.3234	-0.4192	3.5899
203	95.9	98.4	2.9757	1.7806	0.091	4.8473	4.791	-0.8177	-0.3483	3.6249
204	94.7	97.5	2.9764	1.7788	0.0901	4.8453	4.9625	-1.0222	-0.2557	3.6846
205	93.7	96.5	2.9725	1.7781	0.09	4.8406	4.6074	-0.7575	-0.1923	3.6576
206	93	95.8	2.9675	1.7788	0.0904	4.8366	4.563	-0.7056	-0.1597	3.6977
207	92.5	95.2	2.9599	1.7804	0.0897	4.8299	4.7141	-0.8313	-0.1555	3.7274
208	95.3	94.5	2.957	1.7785	0.0892	4.8247	4.8032	-0.9241	-0.1682	3.7109
209	92.1	94.1	2.9566	1.7782	0.089	4.8238	5.2732	-1.3875	-0.2047	3.6809
210	92.2	93.5	2.9598	1.7774	0.0883	4.8256	5.1102	-1.2366	-0.1948	3.6787
211	94	93.2	2.9606	1.7733	0.087	4.8209	4.7604	-0.9378	-0.1575	3.6651
212	90.3	92.6	2.9573	1.7702	0.0874	4.8149	4.6606	-0.8718	-0.1481	3.6407
213	92.6	92.2	2.9471	1.7725	0.0875	4.8071	4.5076	-0.6811	-0.1385	3.688

214	90.2	91.9	2.9433	1.7766	0.0848	4.8047	3.7519	0.0792	-0.1218	3.7093
215	92.5	91.9	2.9374	1.7773	0.0834	4.7981	3.3952	0.4856	-0.1143	3.7665
216	93.2	91.9	2.9327	1.7725	0.0847	4.79	3.3871	0.5422	-0.1242	3.8051
217	92.8	92	2.9265	1.7708	0.0863	4.7836	3.4056	0.5506	-0.1436	3.8125
218	94	91.6	2.9273	1.7647	0.0873	4.7793	3.3547	0.5238	-0.1264	3.7521
219	93.5	91.6	2.9242	1.7609	0.0894	4.7745	3.4962	0.4656	-0.148	3.8138
220	88.9	91.5	2.9167	1.7628	0.0904	4.77	3.3775	0.4276	-0.1532	3.6518
221	87.8	91.3	2.9103	1.7685	0.0905	4.7693	3.3237	0.4806	-0.1624	3.6419
222	89	91.2	2.9035	1.7732	0.0894	4.7661	3.2881	0.4978	-0.1613	3.6245
223	88.5	91.1	2.9059	1.7739	0.0897	4.7695	3.1632	0.5327	-0.1674	3.5285
224	94	91.2	2.8949	1.7729	0.0896	4.7575	3.1969	0.4735	-0.1801	3.4903
225	91.8	91	2.8969	1.7795	0.0889	4.7653	3.3102	0.38	-0.1935	3.4967
226	94.5	90.8	2.8907	1.7802	0.0891	4.7601	3.2931	0.3545	-0.2181	3.4296
227	88.3	90.6	2.8841	1.7856	0.0891	4.7587	3.2003	0.4068	-0.2255	3.3816
228	91.2	90.5	2.8861	1.7916	0.0895	4.7672	3.2961	0.2741	-0.2199	3.3503
229	90.6	90.4	2.8914	1.7882	0.089	4.7685	3.3181	0.3195	-0.2282	3.4094
230	90.4	90.4	2.8956	1.7835	0.088	4.7672	3.2489	0.4099	-0.292	3.3669
231	89.7	90.5	2.8943	1.7776	0.0875	4.7594	3.1427	0.3999	-0.2907	3.2519
232	90.3	90.5	2.8883	1.7757	0.0871	4.7511	3.0174	0.3715	-0.261	3.128
233	91.8	90.5	2.8795	1.7789	0.0864	4.7448	2.7756	0.5396	-0.2581	3.057
234	89	90.4	2.8764	1.7793	0.0854	4.7411	2.6577	0.6574	-0.2542	3.0609
235	89.6	90.3	2.877	1.7785	0.0849	4.7404	2.7191	0.5723	-0.2572	3.0342
236	87.4	90	2.8769	1.7823	0.0854	4.7446	2.796	0.4625	-0.2637	2.9948
237	93.4	89.9	2.8787	1.7818	0.0853	4.7458	2.8558	0.4118	-0.27	2.9976
238	91.9	89.6	2.8788	1.7815	0.085	4.7454	2.982	0.2851	-0.241	3.0261
239	88.3	89.1	2.873	1.7825	0.0837	4.7392	3.1813	0.1615	-0.2339	3.1089
240	88.7	88.6	2.8714	1.7782	0.0839	4.7335	3.177	0.2256	-0.2251	3.1776
241	89.7	87.9	2.8673	1.7759	0.0842	4.7274	3.1723	0.1702	-0.2196	3.1229
242	89.5	87.3	2.866	1.7758	0.0835	4.7254	3.1986	0.0699	-0.231	3.0375
243	91	86.5	2.865	1.7753	0.0828	4.7231	3.08	0.0624	-0.1692	2.9732
244	90.2	86	2.8631	1.7728	0.0825	4.7184	2.914	-0.0397	-0.008	2.8663
245	88.6	85.2	2.8603	1.7677	0.0825	4.7106	3.0714	-0.1452	-0.0166	2.9096
246	86.8	84.2	2.8557	1.7655	0.082	4.7033	3.085	-0.1109	-0.0123	2.9617
247	84.6	82.8	2.8525	1.7652	0.0823	4.7	2.9832	-0.0172	-0.0071	2.9589
248	82.2	81.6	2.8539	1.7682	0.0827	4.7047	2.8958	0.1042	-0.0015	2.9985
249	79.8	80.5	2.8505	1.7687	0.0825	4.7017	2.977	0.0459	-0.0136	3.0093
250	78	79.3	2.8382	1.7712	0.0858	4.6952	3.0478	0.0019	-0.0136	3.0361

251	77.2	78.1	2.8327	1.772	0.0871	4.6917	2.8815	0.0959	-0.0262	2.9512
252	78.5	77	2.8366	1.762	0.0863	4.6849	2.7218	0.1956	-0.0208	2.8967
253	79.1	75.7	2.8278	1.7617	0.085	4.6745	2.6647	0.1834	-0.0245	2.8236
254	73.4	74.7	2.8268	1.7656	0.0842	4.6766	2.7979	0.0532	-0.0281	2.8231
255	69.7	73.7	2.8212	1.7695	0.0848	4.6755	2.8766	0.0107	-0.0367	2.8507
256	66.8	72.9	2.8155	1.7699	0.0846	4.67	2.6348	0.2614	-0.0399	2.8563
257	68.8	72.3	2.812	1.7708	0.0847	4.6675	2.5465	0.2886	-0.0337	2.8014
258	66.8	72	2.8138	1.7678	0.0853	4.6669	2.5077	0.314	-0.0368	2.7848
259	66.2	72	2.815	1.7658	0.0851	4.6659	2.3824	0.3974	-0.0372	2.7425
260	67.3	72	2.8088	1.7685	0.0856	4.6628	2.3636	0.4353	-0.0416	2.7573
261	67.3	72.2	2.8085	1.7662	0.0861	4.6608	2.3864	0.4305	-0.0588	2.758
262	67	72.3	2.8119	1.7612	0.086	4.6591	2.4137	0.3986	-0.0748	2.7375
263	71.6	72.4	2.8135	1.759	0.0861	4.6586	2.4288	0.3421	-0.0655	2.7054
264	69.3	72.8	2.8126	1.7548	0.0861	4.6535	2.4506	0.2536	-0.0626	2.6416
265	70.8	73.3	2.8097	1.754	0.0865	4.6502	2.4365	0.3133	-0.099	2.6508
266	73.1	73.8	2.8071	1.7526	0.0871	4.6468	2.2491	0.4426	-0.1123	2.5794
267	77	74.2	2.8009	1.7528	0.0862	4.6398	2.1111	0.5522	-0.0945	2.5689
268	80.8	74.5	2.7878	1.7567	0.0862	4.6307	2.0785	0.4944	-0.0767	2.4962
269	78.3	74.9	2.7901	1.7571	0.0864	4.6337	2.1895	0.3791	-0.0696	2.499
270	79.6	75	2.788	1.7571	0.0863	4.6314	2.2215	0.3267	-0.0459	2.5022
271	80.3	74.9	2.788	1.7561	0.0853	4.6295	2.1902	0.3092	-0.0345	2.4649
272	82.4	74.9	2.79	1.7525	0.0849	4.6273	2.146	0.3629	-0.0374	2.4715
273	79.7	74.6	2.7846	1.7567	0.0852	4.6265	2.077	0.4464	-0.0529	2.4705
274	78.6	74.3	2.7743	1.7663	0.0857	4.6263	2.1266	0.4991	-0.0529	2.5728
275	76.7	73.8	2.7712	1.7685	0.0862	4.6259	2.041	0.5009	-0.0526	2.4893
276	77.1	73.2	2.7774	1.7626	0.0862	4.6262	2.088	0.5984	-0.0553	2.6311
277	73	72.5	2.7669	1.7713	0.086	4.6242	1.9787	0.6838	-0.0551	2.6074
278	72.8	71.5	2.7669	1.7678	0.0863	4.621	1.8977	0.774	-0.0644	2.6073
279	70	70.7	2.771	1.757	0.0911	4.619	1.9306	0.8727	-0.0701	2.7331
280	65.5	69.7	2.7693	1.757	0.0914	4.6177	2.0194	0.8368	-0.0709	2.7853
281	67.1	68.9	2.7739	1.755	0.0914	4.6203	2.1352	0.8023	-0.0837	2.8538
282	65	68	2.7933	1.7368	0.0917	4.6218	2.1084	0.7393	-0.0937	2.7541
283	63.3	67.4	2.8	1.7256	0.0908	4.6164	2.0526	0.7662	-0.1119	2.7068
284	62.8	67	2.7897	1.7347	0.0909	4.6154	2.0144	0.7835	-0.1356	2.6622
285	61.5	66.8	2.7767	1.7436	0.0914	4.6117	2.1183	0.7491	-0.2129	2.6545
286	62.1	66.6	2.7714	1.7461	0.0917	4.6092	2.2458	0.7741	-0.3681	2.6517
287	62	66.6	2.7559	1.7599	0.0918	4.6076	2.2774	0.8513	-0.4232	2.7055

288	62.8	66.5	2.738	1.7728	0.0918	4.6026	2.3216	0.8702	-0.4618	2.73
289	62.2	66.5	2.7384	1.7665	0.0917	4.5966	2.3698	0.9101	-0.528	2.752
290	65.1	66.8	2.7331	1.771	0.0919	4.596	2.4216	0.9261	-0.5954	2.7523
291	65.6	67.2	2.7269	1.7766	0.0924	4.5959	2.4925	0.825	-0.652	2.6655
292	66.6	67.5	2.7265	1.7732	0.0925	4.5921	2.5007	0.8634	-0.7469	2.6171
293	72	67.8	2.7228	1.7745	0.0925	4.5899	2.5332	0.8806	-0.8039	2.61
294	73.6	68.1	2.7052	1.7886	0.094	4.5878	2.846	0.7252	-0.9396	2.6316
295	72.5	68.3	2.7003	1.7903	0.0936	4.5842	2.6394	1.0695	-1.0187	2.6902
296	72.2	68.6	2.7075	1.7823	0.093	4.5828	3.0038	0.8199	-1.0792	2.7445
297	71.3	68.9	2.7146	1.7691	0.0928	4.5765	3.2768	0.5683	-1.1714	2.6738
298	70.6	69	2.7048	1.7729	0.093	4.5708	3.6381	0.3336	-1.2689	2.7028
299	71	69.2	2.6969	1.7775	0.0935	4.5679	3.4187	0.7307	-1.3137	2.8358
300	75.1	69.2	2.7023	1.7718	0.0937	4.5677	3.1399	1.1375	-1.3816	2.8958
301	70	69.2	2.7104	1.7616	0.0935	4.5654	3.1655	1.157	-1.4432	2.8792
302	70.1	69.2	2.7089	1.7626	0.0937	4.5651	3.34	1.0906	-1.5106	2.9201
303	68.3	69	2.6959	1.7753	0.0938	4.565	3.5449	0.9765	-1.5619	2.9596
304	65.2	68.6	2.6888	1.7778	0.0937	4.5603	3.6951	0.8644	-1.6544	2.9051
305	67.9	68.4	2.709	1.752	0.094	4.555	3.8	0.9504	-1.739	3.0114
306	66.9	68.4	2.7128	1.75	0.0937	4.5565	3.8573	0.9789	-1.8142	3.022
307	65.4	68.4	2.7091	1.749	0.0934	4.5515	3.9824	0.9987	-1.8642	3.117
308	65.8	68.5	2.7188	1.7388	0.0929	4.5504	4.321	0.8981	-2.0595	3.1596
309	64.6	68.7	2.7202	1.7347	0.0932	4.5481	4.4534	0.8793	-2.1073	3.2253
310	65.4	68.8	2.7212	1.7344	0.0942	4.5498	4.6159	0.9762	-2.2885	3.3035
311	66.4	69	2.7192	1.7335	0.0945	4.5472	4.7489	0.9392	-2.4018	3.2863
312	68.9	69.4	2.7145	1.736	0.0939	4.5444	4.9665	0.9707	-2.5629	3.3742
313	66.2	69.8	2.7021	1.7471	0.0938	4.543	5.2486	0.9246	-2.6916	3.4817
314	68.1	70.4	2.6997	1.7453	0.0947	4.5396	5.5585	0.8834	-2.7815	3.6604
315	71.9	71.1	2.7125	1.7331	0.0946	4.5402	5.8498	0.8353	-2.9095	3.7757
316	71.6	71.8	2.7216	1.7173	0.0942	4.5331	6.0255	0.988	-3.0377	3.9758
317	72.4	72.7	2.7187	1.7214	0.0939	4.534	6.3618	1.0079	-3.2264	4.1433
318	75.8	73.6	2.7084	1.7268	0.0942	4.5294	6.7962	0.9256	-3.4887	4.233
319	76.9	74.7	2.7021	1.7283	0.094	4.5243	6.865	1.1032	-3.672	4.2963
320	73.9	75.7	2.6977	1.7319	0.0939	4.5235	7.0908	1.1774	-3.7117	4.5565
321	76.6	77	2.6957	1.7322	0.0942	4.5222	7.3664	1.1533	-3.8311	4.6886
322	75.9	78	2.6958	1.7285	0.0947	4.5191	7.5879	1.2402	-3.9753	4.8528
323	77.8	79.1	2.6933	1.7239	0.095	4.5122	7.8389	1.0988	-4.0055	4.9322
324	80.4	80.1	2.6908	1.7228	0.0949	4.5085	8.0117	1.1948	-4.1355	5.071

325	80.4	80.8	2.6881	1.7197	0.0945	4.5022	8.2615	1.3755	-4.3587	5.2783
326	82.3	81.7	2.6929	1.7119	0.0946	4.4993	8.827	1.3338	-4.8571	5.3037
327	83.9	82.6	2.6943	1.7082	0.0955	4.498	9.3767	1.2247	-5.1697	5.4317
328	84.4	83.4	2.6931	1.7043	0.0965	4.4939	9.5612	1.5131	-5.4605	5.6139
329	85.3	84.2	2.6895	1.7045	0.096	4.49	9.7914	1.6339	-5.634	5.7913
330	89.7	85.2	2.6821	1.7033	0.0964	4.4818	9.978	1.5423	-5.5791	5.9412
331	88.1	85.9	2.6834	1.7037	0.0968	4.484	10.1134	1.6244	-5.6445	6.0933
332	87.9	86.7	2.6831	1.6991	0.0983	4.4804	10.7	1.614	-5.9612	6.3527
333	87.2	87.7	2.6781	1.7006	0.1	4.4786	12.4091	1.4483	-7.3836	6.4738
334	85.9	89	2.6646	1.7044	0.1067	4.4756	12.8401	1.4273	-7.7472	6.5202
335	88.1	90.6	2.6524	1.7011	0.1218	4.4753	13.1832	1.5096	-8.0079	6.6849
336	89	92.1	2.6492	1.6972	0.1277	4.4741	13.5962	1.6523	-8.5797	6.6688
337	90.9	93.6	2.6465	1.6948	0.1315	4.4728	13.9926	1.6975	-8.7876	6.9025
338	92.4	95.1	2.6419	1.6905	0.1378	4.4702	15.0623	1.8759	-10.2174	6.7208
339	92.9	96.6	2.6308	1.6899	0.1433	4.464	16.5925	2.0967	-12.2542	6.435
340	90	97.9	2.6221	1.6957	0.1491	4.467	16.7362	2.0641	-11.534	7.2664
341	91.5	99.5	2.6173	1.6896	0.1589	4.4657	16.8317	2.1001	-11.6244	7.3074
342	96.2	101	2.6127	1.6878	0.1639	4.4644	16.9558	2.1914	-11.6452	7.502
343	106	103	2.5804	1.7028	0.1767	4.4599	17.1012	2.1985	-11.5927	7.7071
344	110	106	2.5991	1.6659	0.1844	4.4494	17.2179	2.2183	-11.6202	7.816
345	111	108	2.56	1.6857	0.1904	4.4361	17.2586	2.395	-11.8166	7.837
346	112	111	2.528	1.7087	0.1992	4.4359	17.4332	2.457	-11.7981	8.0921
347	113	113	2.4887	1.7318	0.2091	4.4297	18.0663	2.3962	-12.1526	8.3099
348	113	116	2.512	1.6951	0.2141	4.4212	18.6988	2.2626	-12.7233	8.2382
349	115	120	2.5365	1.6549	0.2207	4.4121	18.7035	2.3189	-12.6309	8.3915
350	118	124	2.5217	1.6555	0.2301	4.4073	18.6916	2.4183	-12.6183	8.4917
351	122	129	2.4987	1.6629	0.2381	4.3997	18.9016	2.3573	-12.7144	8.5445
352	127	134	2.4821	1.6644	0.2425	4.3889	19.0663	2.3032	-12.8517	8.5177
353	129	140	2.4583	1.6752	0.2504	4.3839	19.1236	2.3259	-12.8232	8.6263
354	138	147	2.4468	1.6706	0.2581	4.3755	19.1159	2.4465	-12.8473	8.7151
355	135	154	2.4354	1.6716	0.2663	4.3733	19.1676	2.4832	-12.9089	8.742
356	134	162	2.4172	1.6701	0.271	4.3583	19.4555	2.2325	-12.923	8.765
357	148	170	2.3799	1.681	0.2907	4.3515	19.5236	2.2299	-12.9201	8.8334
358	162	180	2.3685	1.6799	0.296	4.3444	19.722	2.2833	-13.0625	8.9427
359	172	189	2.3534	1.6682	0.3139	4.3355	19.9077	2.2222	-13.1003	9.0296
360	184	200	2.3339	1.6746	0.3257	4.3342	20.0467	2.2109	-13.165	9.0925
361	204	211	2.3118	1.6691	0.3424	4.3233	20.132	2.2365	-13.1549	9.2136

362	215	222	2.2871	1.6687	0.3552	4.311	20.1877	2.2778	-13.1626	9.3029
363	237	233	2.2577	1.6707	0.3642	4.2926	20.2014	2.3326	-13.2139	9.3202
364	256	245	2.2276	1.6713	0.377	4.276	20.1236	2.4816	-13.2159	9.3892
365	259	257	2.2072	1.6552	0.3902	4.2526	20.1628	2.4894	-13.2069	9.4453
366	264	271	2.1709	1.6519	0.4097	4.2325	20.4378	2.3657	-13.2905	9.5129
367	298	285	2.1213	1.6602	0.4351	4.2165	20.6654	2.2236	-13.3163	9.5727
368	297	299	2.1012	1.6464	0.4534	4.2011	20.7188	2.2905	-13.3138	9.6955
369	323	314	2.0811	1.6394	0.4576	4.1781	20.7357	2.3302	-13.3594	9.7065
370	326	328	2.0514	1.6418	0.4694	4.1625	20.7172	2.3578	-13.3494	9.7256
371	336	342	2.0292	1.6321	0.4829	4.1442	20.6914	2.3834	-13.3281	9.7467
372	337	355	2.0061	1.6426	0.4854	4.1341	20.7167	2.3975	-13.3131	9.8012
373	360	367	1.9835	1.6373	0.4987	4.1194	20.7373	2.3867	-13.2718	9.8522
374	377	378	1.9481	1.6287	0.5216	4.0985	20.7828	2.3745	-13.2728	9.8846
375	387	390	1.8885	1.6351	0.5719	4.0955	20.8877	2.3926	-13.3227	9.9575
376	417	401	1.8397	1.6401	0.6032	4.083	20.9097	2.3995	-13.3147	9.9945
377	441	411	1.8107	1.62	0.6321	4.0628	21.0196	2.3525	-13.3415	10.0307
378	457	423	1.7878	1.6045	0.6497	4.0419	21.2019	2.3181	-13.4507	10.0694
379	444	432	1.7732	1.6027	0.649	4.0249	21.2946	2.2779	-13.5117	10.0608
380	460	441	1.758	1.5946	0.6558	4.0084	21.3137	2.3249	-13.5344	10.1042
381	470	450	1.7039	1.5936	0.6875	3.985	21.3085	2.3471	-13.5339	10.1217
382	469	459	1.5524	1.592	0.83	3.9744	21.4268	2.3676	-13.5578	10.2366
383	462	466	1.516	1.5829	0.8655	3.9644	21.4949	2.3371	-13.5584	10.2736
384	475	472	1.4714	1.5837	0.8917	3.9469	21.5087	2.3329	-13.5315	10.31
385	474	476	1.4171	1.5784	0.9494	3.9448	21.4315	2.4102	-13.4817	10.3599
386	497	479	1.3721	1.5764	0.9705	3.9189	22.0277	2.3642	-14.3373	10.0546
387	514	482	1.2497	1.5723	1.1135	3.9355	21.8294	2.0962	-13.4511	10.4745
388	508	483	1.0787	1.5631	1.3172	3.9591	21.9501	2.1157	-13.5129	10.5529
389	500	486	1.0648	1.5601	1.2451	3.87	21.9631	2.1072	-13.5092	10.5612
390	503	489	1.0499	1.561	1.2543	3.8652	21.8968	2.1207	-13.4661	10.5514
391	498	493	1.0313	1.5575	1.2569	3.8457	21.8147	2.2208	-13.3712	10.6643
392	494	498	1.0163	1.5533	1.2517	3.8214	21.7512	2.1859	-13.2645	10.6726
393	488	504	1.001	1.5527	1.2546	3.8083	21.7085	2.1621	-13.1872	10.6835
394	467	509	0.9793	1.5491	1.2757	3.8041	21.4616	2.3258	-13.0716	10.7159
395	475	514	0.957	1.5446	1.2734	3.775	21.7156	2.013	-13.0729	10.6557
396	493	518	0.9009	1.5427	1.3083	3.7519	21.3439	2.2495	-13.044	10.5494
397	491	522	0.8447	1.5429	1.3651	3.7527	21.0644	2.474	-12.9214	10.6169
398	491	525	0.8345	1.5411	1.3561	3.7317	20.725	2.7006	-12.7923	10.6332

399	520	530	0.8277	1.5357	1.3553	3.7187	20.9747	2.3283	-12.7003	10.6027
400	549	534	0.8121	1.536	1.3652	3.7133	21.2682	2.0015	-12.6292	10.6405
401	561	538	0.8038	1.5312	1.3786	3.7137	21.1481	2.0453	-12.544	10.6493
402	572	541	0.7965	1.53	1.376	3.7025	20.9204	2.1151	-12.4132	10.6223
403	571	546	0.7843	1.5306	1.3785	3.6934	20.77	2.1514	-12.3191	10.6023
404	579	550	0.772	1.5294	1.3846	3.6861	20.5447	2.3108	-12.2473	10.6082
405	576	554	0.7634	1.5288	1.3863	3.6785	20.4212	2.3584	-12.2089	10.5707
406	574	555	0.7604	1.527	1.3858	3.6732	20.3076	2.386	-12.1149	10.5786
407	579	556	0.7369	1.5207	1.3996	3.6572	20.1284	2.3953	-12.0436	10.4801
408	582	557	0.728	1.5166	1.403	3.6475	19.7738	2.5248	-11.8343	10.4643
409	582	555	0.7155	1.5136	1.4097	3.6388	19.6743	2.5255	-11.7688	10.4311
410	576	553	0.708	1.5107	1.4097	3.6284	19.5185	2.4298	-11.573	10.3753
411	557	549	0.7004	1.5057	1.4107	3.6169	19.3214	2.4854	-11.4297	10.3771
412	573	544	0.6943	1.5027	1.4153	3.6124	19.1189	2.4211	-11.2383	10.3017
413	557	539	0.6897	1.499	1.4154	3.604	18.9022	2.4323	-11.0869	10.2476
414	536	533	0.6834	1.4963	1.4153	3.5951	18.6329	2.4919	-10.9709	10.1539
415	527	528	0.6687	1.4965	1.4237	3.5889	18.3104	2.4974	-10.8256	9.9822
416	503	521	0.6551	1.4949	1.4258	3.5758	18.1148	2.3338	-10.6872	9.7615
417	503	514	0.6468	1.4923	1.4253	3.5644	17.7388	2.2694	-10.4594	9.5488
418	490	508	0.6348	1.4937	1.4302	3.5587	17.2416	2.3383	-10.1913	9.3885
419	507	500	0.6303	1.4925	1.4289	3.5517	17.0452	2.1946	-9.9804	9.2594
420	487	492	0.6286	1.4935	1.4267	3.5488	16.8571	2.1063	-9.9274	9.036
421	477	485	0.6241	1.4924	1.4256	3.542	16.5645	2.1191	-9.7821	8.9015
422	467	477	0.6221	1.4899	1.4219	3.5338	16.3406	2.0166	-9.6248	8.7324
423	475	469	0.615	1.4865	1.4223	3.5238	16.1338	2.1062	-9.577	8.6631
424	469	462	0.602	1.4836	1.4272	3.5128	15.9381	2.0242	-9.4292	8.5331
425	450	455	0.5971	1.4798	1.4259	3.5028	15.6204	1.9403	-9.2002	8.3604
426	449	448	0.5909	1.4766	1.4288	3.4963	15.0898	2.0189	-8.6624	8.4462
427	456	439	0.5741	1.4764	1.4406	3.4911	14.612	2.1135	-8.3413	8.3842
428	439	433	0.5636	1.4766	1.4476	3.4878	14.3281	1.9125	-8.0143	8.2262
429	423	425	0.5581	1.472	1.4495	3.4796	14.0797	1.7986	-7.8	8.0783
430	429	417	0.5513	1.4686	1.4498	3.4696	13.9006	1.7954	-7.7936	7.9024
431	412	410	0.5407	1.4669	1.4526	3.4603	13.7156	1.7158	-7.713	7.7184
432	412	403	0.5336	1.4653	1.4541	3.4531	13.1442	1.7159	-7.3778	7.4823
433	409	395	0.5272	1.4673	1.4531	3.4476	11.6243	1.6692	-5.946	7.3475
434	384	387	0.5214	1.4634	1.4548	3.4396	11.2897	1.5645	-5.5793	7.275
435	364	380	0.4496	1.4647	1.5555	3.4698	10.8581	1.5806	-5.3155	7.1231

436	350	373	0.4663	1.4875	1.4728	3.4266	10.3103	1.5467	-4.7253	7.1317
437	360	365	0.4515	1.4832	1.4828	3.4175	9.8632	1.5439	-4.4991	6.9079
438	355	357	0.4456	1.4798	1.4888	3.4141	8.6516	1.4746	-3.0476	7.0785
439	344	351	0.4412	1.4779	1.4899	3.4089	6.9495	1.3666	-0.9937	7.3224
440	345	344	0.4406	1.4737	1.4862	3.4005	6.8199	1.3228	-1.7081	6.4345
441	336	337	0.4421	1.471	1.4853	3.3985	6.7237	1.3171	-1.6118	6.429
442	326	330	0.4419	1.4716	1.4826	3.396	6.5797	1.2817	-1.5597	6.3017
443	320	322	0.4342	1.4702	1.4839	3.3883	6.4549	1.2488	-1.5888	6.1148
444	309	315	0.4276	1.4646	1.4917	3.3838	6.3085	1.2655	-1.5501	6.0239
445	308	308	0.4256	1.4608	1.4948	3.3812	6.1048	1.2506	-1.324	6.0314
446	304	302	0.4216	1.4613	1.4913	3.3742	5.894	1.1932	-1.3331	5.7541
447	293	295	0.4162	1.4618	1.4884	3.3664	5.3562	1.1639	-0.9678	5.5523
448	304	288	0.4145	1.4623	1.4841	3.3609	4.7868	1.174	-0.3859	5.5749
449	295	281	0.4097	1.4548	1.4836	3.3481	4.6782	1.1767	-0.4461	5.4089
450	286	273	0.4068	1.451	1.4845	3.3423	4.6212	1.1396	-0.4368	5.324
451	269	266	0.4066	1.4514	1.4795	3.3375	4.4647	1.1647	-0.3184	5.3111
452	256	258	0.4051	1.4492	1.4744	3.3287	4.3836	1.0731	-0.1641	5.2926
453	251	251	0.4038	1.4441	1.4752	3.3231	4.3478	1.0798	-0.1843	5.2432
454	243	244	0.4047	1.4348	1.479	3.3184	4.2536	1.0818	-0.1459	5.1895
455	235	236	0.4047	1.433	1.4778	3.3154	4.1461	1.0782	-0.0631	5.1612
456	229	228	0.4044	1.4305	1.4754	3.3103	4.0378	1.0753	-0.0449	5.0682
457	216	221	0.4025	1.4285	1.4741	3.3051	3.955	1.0688	-0.0336	4.9902
458	207	213	0.4011	1.4273	1.4729	3.3012	3.6948	1.025	0.1126	4.8324
459	204	205	0.4015	1.4252	1.4712	3.298	3.5962	1	0.1531	4.7493
460	196	197	0.4017	1.4261	1.4687	3.2965	3.4812	1.0025	0.2334	4.7171
461	181	190	0.3999	1.427	1.4663	3.2932	3.4333	1.0052	0.2496	4.6881
462	176	183	0.3969	1.4255	1.4638	3.2862	3.3857	0.951	0.2644	4.6011
463	173	177	0.3944	1.4215	1.4613	3.2772	3.3349	0.9209	0.3145	4.5702
464	163	170	0.3966	1.4215	1.4596	3.2777	3.3036	0.9008	0.3399	4.5443
465	159	164	0.3957	1.4218	1.459	3.2764	3.2491	0.8861	0.3581	4.4933
466	149	159	0.397	1.4249	1.4557	3.2776	3.1042	0.8885	0.4727	4.4655
467	150	153	0.3971	1.4264	1.4542	3.2777	2.9764	0.8686	0.5022	4.3472
468	145	148	0.3967	1.4269	1.4515	3.2751	2.8816	0.8672	0.4973	4.2461
469	136	144	0.3953	1.4287	1.4504	3.2745	2.7631	0.8683	0.5705	4.202
470	131	139	0.3949	1.4299	1.4476	3.2724	2.7346	0.8333	0.5656	4.1335
471	131	136	0.3951	1.4304	1.4454	3.2709	2.7237	0.8509	0.546	4.1207
472	130	132	0.3927	1.432	1.4431	3.2678	2.6888	0.867	0.5502	4.1059

473	126	129	0.3896	1.4348	1.4416	3.2661	2.681	0.8499	0.5282	4.0591
474	120	126	0.3861	1.4347	1.4416	3.2624	2.6039	0.8334	0.5511	3.9884
475	121	123	0.3795	1.4332	1.4382	3.2509	2.452	0.8163	0.6107	3.879
476	114	121	0.3785	1.4287	1.4373	3.2446	2.3994	0.7632	0.6103	3.7728
477	112	118	0.3779	1.4287	1.4335	3.2402	2.3445	0.7127	0.6428	3.7
478	116	116	0.3798	1.4246	1.4297	3.2341	2.1697	0.6928	0.7762	3.6387
479	115	113	0.3831	1.4232	1.4284	3.2347	2.051	0.6858	0.8549	3.5917
480	112	112	0.3864	1.423	1.4271	3.2366	2.0098	0.6293	0.8925	3.5315
481	111	110	0.3895	1.422	1.4253	3.2368	1.9646	0.5731	0.916	3.4537
482	109	108	0.39	1.4251	1.4246	3.2397	1.8544	0.5647	0.9505	3.3696
483	108	106	0.387	1.4264	1.4235	3.2369	1.8088	0.5442	0.974	3.327
484	107	105	0.3856	1.4257	1.4233	3.2346	1.7649	0.5621	0.9855	3.3124
485	101	104	0.386	1.4237	1.4219	3.2316	1.7042	0.5402	1.0177	3.2621
486	99.8	103	0.3858	1.422	1.4204	3.2281	1.0059	0.5478	2.0293	3.583
487	97.6	102	0.3845	1.4248	1.4183	3.2277	1.1998	0.7714	1.2083	3.1796
488	94	101	0.3838	1.4265	1.4166	3.2268	1.0504	0.7502	1.3197	3.1203
489	95.6	99.5	0.3828	1.4278	1.4159	3.2266	0.9877	0.736	1.3928	3.1166
490	93.7	98.4	0.3775	1.4293	1.4155	3.2223	0.944	0.7018	1.4083	3.054
491	94.5	97.4	0.3733	1.4293	1.4129	3.2155	0.9427	0.6463	1.376	2.965
492	93.9	96.7	0.3709	1.4285	1.4106	3.2099	0.9729	0.6026	1.3796	2.9551
493	98.6	95.8	0.3702	1.4262	1.4096	3.2059	0.9762	0.6033	1.3709	2.9504
494	96.5	94.9	0.3689	1.424	1.4081	3.2009	0.9014	0.6206	1.3944	2.9164
495	93.7	94.3	0.3676	1.4253	1.4067	3.1996	0.8257	0.5743	1.4762	2.8763
496	94.8	93.9	0.3653	1.4263	1.4051	3.1966	0.8016	0.5355	1.5286	2.8657
497	97.5	93.2	0.366	1.4255	1.4037	3.1952	0.7619	0.5556	1.4974	2.8149
498	93.2	92.8	0.3667	1.4234	1.4007	3.1908	0.7128	0.5823	1.4821	2.7772
499	90.3	92.5	0.3656	1.4217	1.399	3.1863	0.7061	0.5959	1.4529	2.7549
500	92.9	92.2	0.3656	1.4195	1.397	3.1822	0.6758	0.5169	1.4553	2.648
501	94.6	91.9	0.3654	1.4239	1.395	3.1844	0.6507	0.4699	1.4711	2.5917
502	92.1	91.7	0.3617	1.422	1.3944	3.1782	0.6624	0.4762	1.4238	2.5623
503	89.3	91.1	0.3589	1.4224	1.3931	3.1745	0.6475	0.4801	1.3841	2.5117
504	89.6	90.4	0.3574	1.4216	1.3909	3.17	0.625	0.4402	1.4115	2.4767
505	91.2	89.8	0.3596	1.4212	1.3908	3.1716	0.6135	0.3643	1.4634	2.4413
506	84.7	89.3	0.3649	1.4201	1.3891	3.1741	0.6034	0.3445	1.4705	2.4184
507	85.9	88.6	0.3674	1.4182	1.3883	3.1739	0.5912	0.3083	1.4592	2.3586
508	89.9	87.8	0.3684	1.4166	1.3876	3.1726	0.5682	0.2947	1.461	2.3239
509	88.7	87.2	0.3674	1.4134	1.3864	3.1671	0.555	0.2898	1.4688	2.3136

510	88.7	86.4	0.3647	1.4102	1.3847	3.1596	0.5827	0.2768	1.4524	2.3119
511	90	85.7	0.3619	1.4106	1.3843	3.1568	0.6089	0.3087	1.4374	2.3551
512	87.7	84.9	0.3608	1.4107	1.3839	3.1553	0.6051	0.3733	1.4158	2.3942
513	83.5	84.1	0.3594	1.4089	1.3814	3.1496	0.5587	0.3695	1.4033	2.3316
514	81.9	83.2	0.3585	1.4077	1.3795	3.1457	0.5451	0.3231	1.3924	2.2606
515	85.6	82.2	0.3583	1.4077	1.3764	3.1423	0.5786	0.326	1.3809	2.2856
516	83.1	81.6	0.3574	1.4081	1.3756	3.1411	0.5715	0.3194	1.3841	2.275
517	77.9	80.9	0.3586	1.4056	1.3756	3.1398	0.5861	0.3398	1.3569	2.2828
518	79.5	79.9	0.3585	1.4069	1.3731	3.1385	0.5959	0.3662	1.3547	2.3167
519	78.4	79.1	0.3569	1.4092	1.3723	3.1384	0.5787	0.3633	1.3376	2.2796
520	80.9	78	0.3562	1.4085	1.3721	3.1368	0.5568	0.3754	1.3286	2.2608
521	76.6	76.9	0.3552	1.4057	1.3705	3.1314	0.5689	0.378	1.3066	2.2536
522	73.7	75.9	0.354	1.4049	1.3691	3.1279	0.58	0.395	1.2976	2.2727
523	73.3	75.1	0.3546	1.4032	1.3672	3.1249	0.5562	0.391	1.2754	2.2226
524	72.6	74.4	0.3568	1.402	1.3661	3.1249	0.5461	0.3995	1.266	2.2116
525	72	73.4	0.3572	1.4034	1.3649	3.1255	0.5194	0.3945	1.2737	2.1877
526	72.4	72.6	0.3565	1.4053	1.3645	3.1263	0.4646	0.3835	1.2458	2.0939
527	71.9	72.1	0.3571	1.4071	1.363	3.1272	0.4655	0.3631	1.2598	2.0885
528	73	71.5	0.3585	1.408	1.3622	3.1287	0.4659	0.3823	1.2376	2.0858
529	68.3	71.2	0.3571	1.4091	1.3602	3.1264	0.4798	0.3448	1.2014	2.026
530	68	70.7	0.3548	1.4112	1.3582	3.1242	0.5411	0.3576	1.1647	2.0634
531	69.7	70.4	0.3553	1.4105	1.3576	3.1233	0.5912	0.3574	1.1383	2.0869
532	68.8	70.4	0.3527	1.4109	1.3567	3.1204	0.6243	0.3433	1.1251	2.0927
533	67.3	70.1	0.3507	1.4111	1.3546	3.1164	0.6386	0.392	1.1241	2.1547
534	68.1	69.8	0.351	1.4094	1.3531	3.1134	0.5904	0.3969	1.1231	2.1104
535	67.2	69.6	0.349	1.4099	1.3526	3.1115	0.5541	0.3826	1.1283	2.065
536	67.4	69.3	0.3463	1.4104	1.352	3.1087	0.5603	0.3726	1.1253	2.0582
537	69.6	69	0.3465	1.4082	1.3508	3.1055	0.555	0.3583	1.1265	2.0398
538	71.6	68.8	0.3468	1.4062	1.3495	3.1024	0.5524	0.4162	1.1303	2.0988
539	71.4	68.7	0.3468	1.4077	1.349	3.1035	0.5455	0.4326	1.1218	2.1
540	71.3	68.6	0.3464	1.409	1.3486	3.104	0.5467	0.4266	1.1215	2.0948
541	73.3	68.4	0.3449	1.4107	1.3474	3.103	0.5224	0.4334	1.1069	2.0627
542	68.5	68	0.3442	1.4112	1.3455	3.101	0.5088	0.4364	1.0725	2.0177
543	66.4	67.8	0.3441	1.4081	1.3444	3.0967	0.484	0.4236	1.0638	1.9715
544	67.9	67.4	0.345	1.4072	1.344	3.0962	0.4424	0.4033	1.07	1.9157
545	66.4	67.1	0.3454	1.4072	1.342	3.0946	0.4003	0.4018	1.057	1.8592
546	66.5	66.6	0.3454	1.4057	1.3416	3.0927	0.3509	0.4297	1.0534	1.834

547	68.5	66	0.3449	1.4035	1.3402	3.0886	0.3126	0.4273	1.0554	1.7953
548	67.1	65.6	0.3439	1.4027	1.3388	3.0854	0.3324	0.4083	1.0431	1.7837
549	66.9	65	0.3421	1.4031	1.3381	3.0833	0.381	0.3842	1.0263	1.7915
550	64.4	64.5	0.3418	1.404	1.3374	3.0832	0.3681	0.3697	1.0194	1.7572
551	62	63.9	0.3404	1.4038	1.3371	3.0813	0.3411	0.3719	1.0107	1.7238
552	62.7	63.4	0.3403	1.4012	1.336	3.0775	0.3292	0.4378	0.9961	1.7631
553	60.7	63.2	0.3413	1.4001	1.334	3.0754	0.289	0.4384	1.0001	1.7274
554	61.2	62.8	0.3433	1.3983	1.3326	3.0743	0.2587	0.4349	0.9946	1.6882
555	58.5	62.7	0.3443	1.3985	1.3307	3.0736	0.2472	0.4218	0.9763	1.6453
556	59	62.5	0.3453	1.3997	1.3294	3.0744	0.2809	0.4259	0.9823	1.6892
557	62.6	62.1	0.3457	1.399	1.328	3.0727	0.3472	0.4235	0.9678	1.7386
558	61.3	61.8	0.3456	1.3983	1.326	3.0699	0.3693	0.4233	0.9652	1.7578
559	61.7	61.7	0.3433	1.3975	1.326	3.0668	0.3837	0.4074	0.9492	1.7404
560	61.7	61.6	0.3408	1.3952	1.325	3.061	0.4101	0.3875	0.9426	1.7402
561	59.7	61.4	0.3394	1.3897	1.3247	3.0538	0.3983	0.352	0.9474	1.6976
562	61	61.2	0.341	1.3886	1.3235	3.0531	0.3788	0.3394	0.9517	1.6699
563	61.4	61.2	0.3399	1.3892	1.3221	3.0511	0.3707	0.336	0.9423	1.6491
564	63.2	61.1	0.3387	1.3889	1.3215	3.0492	0.3654	0.3009	0.9204	1.5867
565	63.5	61	0.3386	1.3898	1.3206	3.0489	0.347	0.2745	0.9226	1.544
566	61.6	60.8	0.3384	1.3909	1.32	3.0493	0.3334	0.2392	0.8983	1.4709
567	60.5	60.3	0.3375	1.3898	1.3187	3.046	0.3438	0.2365	0.8975	1.4778
568	64.4	59.9	0.3389	1.3906	1.3177	3.0472	0.3781	0.2123	0.8979	1.4884
569	62.5	59.4	0.3397	1.3912	1.3175	3.0484	0.3784	0.2184	0.8745	1.4712
570	59.5	58.8	0.338	1.392	1.317	3.047	0.3623	0.2349	0.8668	1.464
571	59	58.4	0.3371	1.3909	1.3156	3.0437	0.3606	0.2303	0.8699	1.4608
572	61	57.9	0.3371	1.3929	1.3156	3.0455	0.346	0.2148	0.8678	1.4286
573	57.8	57.4	0.335	1.3949	1.315	3.0449	0.3328	0.2128	0.8685	1.4141
574	57.9	56.8	0.3341	1.3953	1.3143	3.0437	0.345	0.2058	0.8527	1.4034
575	54.6	56.2	0.3331	1.3949	1.3136	3.0415	0.3695	0.2061	0.8488	1.4244
576	54	55.7	0.332	1.3924	1.3113	3.0357	0.3599	0.2517	0.8465	1.4581
577	53.2	55.3	0.3314	1.3905	1.3097	3.0316	0.3455	0.2711	0.8468	1.4634
578	52.3	54.8	0.3318	1.3901	1.3095	3.0315	0.3465	0.2991	0.833	1.4786
579	50.9	54.4	0.329	1.3874	1.3119	3.0284	0.362	0.3266	0.8288	1.5173
580	51.8	54.3	0.3273	1.3872	1.3133	3.0279	0.3494	0.3409	0.817	1.5074
581	51.3	54.1	0.3271	1.3877	1.3128	3.0275	0.3182	0.355	0.8056	1.4788
582	50.8	53.8	0.3261	1.3859	1.3122	3.0242	0.3249	0.3407	0.809	1.4747
583	52.4	53.6	0.3279	1.3867	1.3112	3.0258	0.3015	0.3522	0.804	1.4577

584	51.9	53.4	0.3302	1.3874	1.3104	3.0281	0.2778	0.3576	0.7915	1.4269
585	52.9	53.4	0.33	1.3865	1.3094	3.0258	0.2705	0.3505	0.7821	1.4031
586	52.5	53.5	0.3303	1.3861	1.3077	3.0242	0.2339	0.3816	0.7824	1.3978
587	53.9	53.7	0.3293	1.3832	1.3053	3.0178	0.2087	0.384	0.7892	1.3818
588	56.3	53.9	0.3292	1.3832	1.3044	3.0168	0.2174	0.3686	0.7755	1.3614
589	56.5	54.3	0.3282	1.3851	1.3038	3.0171	0.2305	0.3502	0.7705	1.3512
590	55.7	54.6	0.3253	1.3859	1.3048	3.016	0.2342	0.3642	0.7635	1.3619
591	54.9	54.8	0.3225	1.3856	1.3056	3.0137	0.2224	0.3746	0.7614	1.3584
592	53.7	55.2	0.3225	1.3861	1.3042	3.0128	0.1916	0.3815	0.7474	1.3205
593	55.4	55.5	0.326	1.3858	1.3026	3.0143	0.1818	0.3734	0.7243	1.2795
594	55.1	55.7	0.3288	1.3838	1.3024	3.015	0.1794	0.3355	0.7166	1.2316
595	55.4	55.8	0.3325	1.3823	1.3014	3.0162	0.1961	0.3157	0.7223	1.2341
596	56.5	56	0.334	1.3835	1.2995	3.0171	0.2065	0.3116	0.7102	1.2283
597	56.5	56.1	0.3328	1.3847	1.2994	3.0168	0.2063	0.3033	0.7077	1.2172
598	58.9	56	0.3286	1.385	1.2981	3.0116	0.2074	0.2813	0.7017	1.1904
599	56.3	55.8	0.3288	1.3848	1.2971	3.0106	0.2038	0.2826	0.6966	1.183
600	56.3	55.7	0.3315	1.3824	1.2959	3.0098	0.1907	0.3055	0.6888	1.1851
601	57.6	55.5	0.3325	1.3801	1.2954	3.0081	0.1964	0.3137	0.6779	1.188
602	57.7	55.4	0.3328	1.3782	1.2944	3.0054	0.1833	0.3	0.6778	1.1611
603	55.8	55.2	0.3331	1.3789	1.2937	3.0057	0.1767	0.2798	0.665	1.1215
604	55.6	55	0.3327	1.3794	1.2933	3.0054	0.1845	0.2638	0.6427	1.091
605	56.3	54.5	0.3316	1.3786	1.2925	3.0027	0.1902	0.2288	0.6322	1.0511
606	55.6	54	0.3302	1.3777	1.2923	3.0003	0.2049	0.2361	0.6248	1.0658
607	53.6	53.3	0.3305	1.3759	1.2918	2.9982	0.2289	0.2726	0.6266	1.1281
608	53.3	52.5	0.33	1.3758	1.2927	2.9985	0.2287	0.284	0.6187	1.1313
609	53.4	51.8	0.3264	1.3746	1.2921	2.9931	0.2327	0.2924	0.601	1.1261
610	51.2	51.1	0.3248	1.375	1.29	2.9898	0.2075	0.2913	0.6045	1.1032
611	52.7	50.2	0.324	1.3767	1.2891	2.9898	0.1508	0.2528	0.5887	0.9923
612	52	49.3	0.3238	1.3771	1.2896	2.9904	0.1289	0.1891	0.5828	0.9009
613	49.6	48.7	0.3228	1.3788	1.2893	2.9909	0.1537	0.1719	0.5747	0.9002
614	47.2	47.9	0.3238	1.3803	1.2873	2.9913	0.1594	0.1755	0.5676	0.9024
615	45.4	47.2	0.325	1.3837	1.2866	2.9953	0.1526	0.1673	0.5662	0.8861
616	44	46.4	0.323	1.3844	1.2859	2.9933	0.1588	0.1828	0.5561	0.8977
617	43.7	45.7	0.3208	1.3844	1.2858	2.991	0.1608	0.1905	0.5538	0.9051
618	42.7	45.1	0.3207	1.3851	1.2857	2.9914	0.1596	0.1663	0.5388	0.8647
619	42.5	44.5	0.3206	1.3857	1.2857	2.992	0.1713	0.1738	0.5318	0.8769
620	41.6	44	0.3202	1.3854	1.2851	2.9907	0.1689	0.1774	0.5278	0.8741

621	40.5	43.4	0.3206	1.3843	1.2837	2.9886	0.1457	0.1845	0.5192	0.8494
622	43.7	42.8	0.3207	1.3836	1.2822	2.9865	0.116	0.1703	0.5005	0.7868
623	41.5	42.2	0.3201	1.3826	1.2819	2.9846	0.0949	0.1938	0.5025	0.7912
624	41.8	41.8	0.3199	1.3813	1.2812	2.9824	0.075	0.2272	0.5037	0.8059
625	40.5	41.6	0.3212	1.3783	1.2803	2.9797	0.072	0.2413	0.4938	0.8072
626	41.3	41.4	0.3219	1.3782	1.2798	2.9799	0.0653	0.2431	0.4834	0.7918
627	40.7	41.2	0.3225	1.3772	1.2797	2.9793	0.0582	0.2249	0.4569	0.74
628	42.4	40.9	0.3223	1.3753	1.2793	2.9769	0.0584	0.2163	0.4501	0.7247
629	43	40.6	0.3222	1.375	1.2785	2.9757	0.09	0.2194	0.4565	0.7658
630	40.3	40.4	0.323	1.3757	1.2776	2.9764	0.0577	0.1845	0.4838	0.726
631	40.3	40.1	0.3228	1.3764	1.2767	2.9759	0.015	0.1734	0.4959	0.6843
632	39.6	39.7	0.3225	1.3757	1.2763	2.9746	-0.0096	0.176	0.4896	0.656
633	39.4	39.4	0.3229	1.3753	1.2754	2.9737	-0.0271	0.1474	0.4855	0.6059
634	40.7	39.2	0.3239	1.3743	1.2749	2.9731	0.0085	0.168	0.4733	0.6498
635	40.5	38.9	0.3256	1.3717	1.2743	2.9717	0.0334	0.1874	0.4658	0.6866
636	38.9	38.6	0.3254	1.372	1.2731	2.9705	0.0271	0.193	0.4552	0.6753
637	38.6	38.3	0.3248	1.3713	1.2733	2.9694	0.0356	0.2016	0.4448	0.682
638	36.7	37.9	0.3237	1.3712	1.2724	2.9673	0.0336	0.1724	0.4281	0.6341
639	36.3	37.4	0.3233	1.3713	1.2727	2.9673	0.0404	0.1788	0.4233	0.6424
640	36.4	37	0.3241	1.3716	1.2725	2.9682	0.026	0.196	0.4129	0.6349
641	36	36.6	0.3257	1.3726	1.2727	2.9709	-0.0022	0.1834	0.4239	0.6051
642	35.7	36.1	0.3261	1.3739	1.2731	2.9731	-0.0477	0.1664	0.4353	0.5541
643	36.7	35.7	0.3262	1.3746	1.2728	2.9735	-0.0605	0.1665	0.4214	0.5274
644	36.4	35.2	0.3254	1.3756	1.2718	2.9728	-0.0259	0.158	0.4053	0.5374
645	34.9	34.6	0.3248	1.3761	1.271	2.9718	-0.0032	0.1434	0.399	0.5392
646	34.9	34.1	0.3248	1.3754	1.2708	2.971	0.0352	0.1342	0.3918	0.5612
647	34	33.5	0.3242	1.3754	1.27	2.9696	0.0485	0.1434	0.3731	0.565
648	34.4	33.1	0.3235	1.3744	1.2691	2.9671	0.0382	0.1596	0.3736	0.5715
649	32.9	32.7	0.323	1.3725	1.2692	2.9648	-0.0103	0.1641	0.366	0.5197
650	31.6	32.3	0.3221	1.3726	1.2696	2.9644	-0.0126	0.1625	0.358	0.5078
651	31.3	31.9	0.322	1.3738	1.2693	2.9652	0.0028	0.1365	0.3523	0.4916
652	31.3	31.5	0.3227	1.3733	1.2695	2.9654	-0.0122	0.1189	0.3468	0.4534
653	30.9	31	0.3229	1.3737	1.2698	2.9663	-0.0203	0.1105	0.3328	0.4231
654	29.6	30.6	0.3243	1.3755	1.2694	2.9692	-0.0226	0.1202	0.3237	0.4213
655	28.5	30.2	0.3238	1.3749	1.2682	2.967	-0.0331	0.1344	0.3208	0.4221
656	28.2	29.6	0.3224	1.3724	1.2668	2.9616	-0.0218	0.1344	0.3086	0.4212
657	28	29.1	0.3228	1.3706	1.2661	2.9596	-0.0117	0.1359	0.2994	0.4236

658	29	28.6	0.3223	1.3691	1.2659	2.9573	-0.0011	0.1229	0.3007	0.4225
659	28.9	28.2	0.3225	1.3684	1.2655	2.9565	0.0043	0.1366	0.3058	0.4467
660	28	27.7	0.3258	1.3699	1.2661	2.9618	-0.0248	0.1261	0.3028	0.4041
661	28.1	27.3	0.3265	1.3708	1.2664	2.9637	-0.0232	0.1358	0.2874	0.4
662	28.7	26.9	0.3256	1.3714	1.266	2.963	-0.0221	0.1583	0.2869	0.4232
663	28.5	26.4	0.3239	1.3716	1.2653	2.9609	-0.027	0.1743	0.2899	0.4372
664	26	26	0.3235	1.3722	1.2649	2.9606	-0.0309	0.1969	0.2909	0.4568
665	24.8	25.7	0.3227	1.3716	1.2649	2.9592	-0.0096	0.2098	0.2769	0.477
666	24.9	25.4	0.3223	1.3719	1.2646	2.9588	-0.0002	0.2516	0.2712	0.5226
667	24.5	25.1	0.3215	1.3731	1.2649	2.9595	-0.0359	0.2598	0.2612	0.4851
668	24.2	24.7	0.3217	1.3732	1.2645	2.9595	-0.0702	0.253	0.256	0.4389
669	23.5	24.3	0.3228	1.3735	1.2647	2.961	-0.0791	0.2461	0.253	0.4201
670	23.2	24	0.3234	1.3736	1.265	2.9621	-0.078	0.2361	0.2483	0.4064
671	22.5	23.6	0.3255	1.3739	1.2655	2.965	-0.0844	0.2308	0.2487	0.3951
672	22.2	23.2	0.3276	1.3735	1.2653	2.9664	-0.0801	0.2234	0.2292	0.3724
673	22.6	22.9	0.3275	1.3722	1.2647	2.9644	-0.0752	0.2246	0.2063	0.3557
674	22.4	22.7	0.3269	1.3711	1.2649	2.963	-0.0738	0.213	0.2028	0.3421
675	23	22.4	0.3266	1.3706	1.2652	2.9624	-0.0842	0.1844	0.2025	0.3027
676	22.3	22.2	0.3261	1.3699	1.2657	2.9617	-0.0836	0.1629	0.1944	0.2738
677	21.4	22	0.3255	1.3689	1.2647	2.9591	-0.095	0.1654	0.1844	0.2548
678	21.1	21.8	0.3228	1.3682	1.2639	2.9549	-0.093	0.1295	0.1789	0.2154
679	21.3	21.6	0.3233	1.369	1.2635	2.9558	-0.1108	0.0861	0.1745	0.1498
680	21.8	21.4	0.3258	1.3699	1.2637	2.9595	-0.1171	0.0742	0.1674	0.1245
681	21.3	21.2	0.328	1.3701	1.2638	2.9619	-0.1032	0.0884	0.1544	0.1395
682	21.7	21.1	0.3288	1.3711	1.2637	2.9636	-0.0953	0.0971	0.1448	0.1466
683	21.6	21	0.3271	1.3699	1.2638	2.9609	-0.0877	0.0954	0.1485	0.1562
684	20.9	20.8	0.3269	1.3687	1.2639	2.9594	-0.0753	0.1014	0.143	0.1691
685	20.7	20.5	0.3273	1.3672	1.2639	2.9583	-0.0582	0.0984	0.1353	0.1756
686	20.4	20.3	0.3267	1.366	1.2633	2.956	-0.0259	0.0756	0.1325	0.1822
687	20.2	20.1	0.3259	1.366	1.2625	2.9544	-0.0071	0.0777	0.1209	0.1915
688	19.7	19.8	0.3252	1.3653	1.2621	2.9526	-0.0132	0.0626	0.1254	0.1748
689	19.7	19.6	0.3256	1.3655	1.2625	2.9536	-0.0154	0.0657	0.1113	0.1616
690	19.2	19.4	0.3255	1.3676	1.2624	2.9555	-0.0051	0.0531	0.1149	0.163
691	20.2	19.1	0.3272	1.369	1.2621	2.9583	0.0101	0.0567	0.1148	0.1816
692	19.4	18.8	0.3285	1.3695	1.2621	2.9601	0.0361	0.0734	0.1196	0.2291
693	18.3	18.6	0.3285	1.37	1.262	2.9606	0.0383	0.1001	0.1237	0.262
694	18.3	18.3	0.3292	1.3695	1.2625	2.9611	0.0336	0.1138	0.1252	0.2726

695	17.7	18.1	0.329	1.3689	1.2622	2.9601	0.0353	0.1286	0.1149	0.2789
696	17.4	17.9	0.3292	1.3692	1.2622	2.9606	0.0359	0.1434	0.1163	0.2956
697	17.1	17.6	0.3289	1.3687	1.262	2.9597	0.0154	0.1509	0.1195	0.2857
698	17.1	17.4	0.3296	1.3686	1.2615	2.9597	0.0023	0.1561	0.1094	0.2678
699	16.8	17.1	0.33	1.3685	1.2613	2.9598	0.0001	0.1457	0.0977	0.2434
700	16.5	16.9	0.3312	1.3687	1.2607	2.9606	0.0003	0.1317	0.0952	0.2272
701	16.4	16.7	0.3337	1.3683	1.2608	2.9627	-0.0077	0.1356	0.0972	0.2251
702	16.5	16.4	0.3349	1.3671	1.2611	2.9631	-0.0048	0.1551	0.0941	0.2444
703	16.3	16.3	0.3353	1.3669	1.2613	2.9635	0.0135	0.14	0.1065	0.26
704	16.6	16.1	0.336	1.366	1.2612	2.9632	0.006	0.146	0.1021	0.2541
705	15.9	16	0.3337	1.3652	1.2617	2.9606	0.024	0.1855	0.0948	0.3043
706	15.7	15.8	0.3314	1.3641	1.2624	2.9579	0.0175	0.1847	0.0896	0.2918
707	15.1	15.7	0.3306	1.3636	1.2618	2.9559	0.0021	0.1588	0.0831	0.244
708	15	15.6	0.3295	1.3622	1.2621	2.9538	0.0001	0.1292	0.0751	0.2044
709	15.2	15.4	0.3289	1.362	1.2618	2.9527	-0.0077	0.1141	0.0646	0.1709
710	15.3	15.3	0.3272	1.3615	1.2612	2.9498	-0.0135	0.1038	0.0607	0.151
711	15.1	15.1	0.3262	1.3608	1.2604	2.9475	0.01	0.1072	0.0668	0.184
712	15.3	15	0.3265	1.3596	1.2606	2.9467	0.0227	0.1129	0.0702	0.2057
713	15.4	14.9	0.3259	1.3591	1.2603	2.9453	0.0154	0.1213	0.0667	0.2034
714	15.2	14.8	0.3247	1.3593	1.2596	2.9436	0.0088	0.1327	0.0624	0.2038
715	14.7	14.7	0.325	1.3586	1.2594	2.943	-0.0001	0.1464	0.0582	0.2045
716	14.4	14.6	0.3266	1.3585	1.2597	2.9448	-0.0157	0.1474	0.0602	0.192
717	14.2	14.6	0.3278	1.3591	1.2602	2.9471	-0.0149	0.1474	0.0551	0.1875
718	14	14.5	0.3286	1.3605	1.2604	2.9494	-0.0277	0.1576	0.0604	0.1903
719	13.7	14.4	0.3284	1.3621	1.2608	2.9513	-0.0316	0.1543	0.0501	0.1728
720	13.6	14.3	0.3286	1.3623	1.2602	2.9512	-0.0211	0.1528	0.0516	0.1834
721	14.2	14.3	0.3286	1.3619	1.2608	2.9513	-0.0151	0.1527	0.0591	0.1968
722	14.5	14.2	0.3282	1.3611	1.2616	2.951	0.0049	0.1607	0.0567	0.2223
723	14.7	14.1	0.3275	1.3613	1.2616	2.9504	0.0349	0.1675	0.0526	0.255
724	14.2	14.1	0.3283	1.3629	1.2609	2.9522	0.0409	0.1586	0.0446	0.2442
725	14.1	14	0.3295	1.362	1.2608	2.9523	0.0415	0.1483	0.0527	0.2425
726	14.1	14	0.3314	1.3617	1.2613	2.9545	0.036	0.144	0.0624	0.2423
727	13.6	13.9	0.3318	1.3642	1.2618	2.9578	0.0131	0.1425	0.0668	0.2224
728	13.5	13.9	0.3334	1.3667	1.2618	2.9619	-0.0063	0.1308	0.064	0.1886
729	13.6	13.9	0.3339	1.3676	1.2618	2.9632	-0.0412	0.1341	0.0577	0.1506
730	13.9	14	0.3333	1.3669	1.2622	2.9624	-0.0296	0.148	0.0552	0.1736
731	13.9	14	0.3323	1.3667	1.2622	2.9612	0.0144	0.1844	0.0555	0.2543

732	13.8	14	0.3313	1.3662	1.2615	2.959	0.0358	0.204	0.061	0.3008
733	14.2	14	0.3305	1.3652	1.2611	2.9568	0.0167	0.2133	0.063	0.2931
734	13.8	14	0.3297	1.3645	1.2613	2.9555	-0.0126	0.2043	0.0617	0.2534
735	14	14	0.3282	1.3642	1.2611	2.9535	0.0071	0.2041	0.0612	0.2725
736	13.6	14	0.3261	1.3642	1.261	2.9513	0.0086	0.166	0.0659	0.2405
737	13.5	14	0.3261	1.3651	1.2607	2.9519	-0.0049	0.141	0.0558	0.1919
738	13.8	14.1	0.3253	1.3646	1.2613	2.9511	-0.0135	0.1358	0.0393	0.1615
739	14.5	14.1	0.3239	1.366	1.2612	2.951	-0.0178	0.1136	0.0343	0.13
740	14.5	14.1	0.3231	1.3659	1.261	2.95	0.0013	0.0933	0.0388	0.1334
741	14.7	14.1	0.3221	1.3652	1.2607	2.948	-0.0019	0.1071	0.0382	0.1434
742	14	14.1	0.3222	1.3639	1.2607	2.9469	0.0135	0.1278	0.0351	0.1765
743	14	14.1	0.3228	1.3632	1.2603	2.9463	0.0337	0.129	0.035	0.1977
744	14.6	14.1	0.3219	1.3627	1.2603	2.9449	0.0454	0.1328	0.0379	0.2162
745	14.3	14.1	0.3212	1.3617	1.2593	2.9422	0.0467	0.1411	0.0338	0.2216
746	14.4	14.1	0.3232	1.3603	1.2589	2.9424	0.0329	0.1283	0.0292	0.1904
747	14.4	14.1	0.324	1.3598	1.2591	2.9428	0.0337	0.1235	0.0343	0.1915
748	14.2	14	0.3235	1.3599	1.2594	2.9428	0.0331	0.1341	0.0323	0.1994
749	14.3	13.9	0.323	1.3594	1.2597	2.9421	0.0558	0.1468	0.0276	0.2302
750	14	13.8	0.3229	1.3591	1.2599	2.9419	0.0687	0.1433	0.0284	0.2404
751	13.5	13.7	0.3225	1.3583	1.2599	2.9407	0.0782	0.1404	0.0248	0.2434
752	14.6	13.6	0.3213	1.3593	1.2588	2.9394	0.0889	0.136	0.0275	0.2525
753	13.2	13.5	0.3223	1.3591	1.2595	2.9409	0.0951	0.1273	0.0267	0.249
754	13.3	13.4	0.3219	1.3569	1.2599	2.9387	0.1036	0.1183	0.0208	0.2427
755	13.4	13.4	0.3221	1.3565	1.2593	2.9378	0.1105	0.0995	0.0211	0.2312
756	13.3	13.3	0.3222	1.3566	1.2585	2.9372	0.0886	0.0914	0.0312	0.2113
757	12.9	13.2	0.3228	1.3577	1.2586	2.9391	0.062	0.0736	0.0443	0.1799
758	12.9	13.1	0.3231	1.3577	1.2594	2.9402	0.0425	0.0595	0.0382	0.1402
759	12.9	13.1	0.3239	1.358	1.2595	2.9414	0.03	0.0468	0.0383	0.1151
760	12.6	13	0.3248	1.3592	1.2594	2.9434	0.0267	0.0593	0.0332	0.1192
761	12.3	13	0.3243	1.3595	1.2594	2.9431	0.019	0.0671	0.0279	0.114
762	12.2	13	0.3241	1.3593	1.2594	2.9427	0.013	0.0631	0.0197	0.0958
763	12.6	13	0.3231	1.3584	1.2591	2.9405	0.0096	0.05	0.0228	0.0824
764	12.6	12.9	0.3235	1.3576	1.2591	2.9401	-0.0042	0.0468	0.0156	0.0582
765	12.8	12.9	0.3242	1.3568	1.2589	2.94	-0.0153	0.0569	0.0087	0.0504
766	12.9	12.9	0.3238	1.3571	1.2591	2.94	-0.0064	0.0446	0.0066	0.0447
767	13.4	12.9	0.3243	1.3574	1.2588	2.9405	0.0037	0.0386	0.0145	0.0568
768	13.2	12.9	0.3249	1.3578	1.2595	2.9422	0.0213	0.0391	0.0315	0.0919

769	13	12.9	0.3249	1.3582	1.2596	2.9426	0.0287	0.0643	0.0329	0.1259
770	13.3	13	0.325	1.3583	1.2591	2.9424	0.0264	0.0812	0.0374	0.145
771	13.3	13	0.3251	1.3578	1.2599	2.9428	0.0295	0.0904	0.0355	0.1554
772	13.3	13	0.3241	1.3567	1.2601	2.9409	0.0379	0.0921	0.0304	0.1605
773	13	13	0.3234	1.3563	1.2602	2.9399	0.0452	0.0867	0.0303	0.1622
774	13	13	0.3228	1.3563	1.2596	2.9387	0.0521	0.0728	0.0331	0.158
775	12.7	13	0.323	1.3562	1.259	2.9381	0.0622	0.0942	0.0259	0.1823
776	13.2	13.1	0.3248	1.3557	1.259	2.9395	0.0735	0.0868	0.0289	0.1892
777	13	13.1	0.3261	1.3558	1.2583	2.9403	0.0872	0.1002	0.0391	0.2264
778	13.5	13	0.3269	1.3548	1.2581	2.9398	0.0802	0.1244	0.04	0.2446
779	13	13	0.3262	1.3542	1.258	2.9384	0.0932	0.1494	0.0428	0.2854
780	12.6	13	0.3244	1.3515	1.2582	2.934	0.1069	0.1631	0.047	0.3169
781	12.6	12.9	0.3244	1.3497	1.2577	2.9318	0.088	0.1611	0.0496	0.2988
782	12.6	12.9	0.3271	1.3498	1.2574	2.9343	0.0599	0.1607	0.0425	0.2631
783	13.1	12.8	0.3284	1.3495	1.2577	2.9355	0.0501	0.1591	0.0309	0.2401
784	13	12.8	0.3261	1.3483	1.2577	2.9321	0.049	0.1503	0.0263	0.2255
785	13.3	12.8	0.3264	1.3505	1.2573	2.9342	0.0538	0.1437	0.0302	0.2277
786	13.4	12.8	0.3272	1.3519	1.2577	2.9368	0.0402	0.1419	0.0293	0.2114
787	12.9	12.8	0.3273	1.3524	1.2585	2.9382	0.0177	0.1484	0.0268	0.1929
788	12.6	12.7	0.327	1.354	1.2586	2.9396	0.0081	0.1577	0.0198	0.1856
789	12.7	12.7	0.3254	1.3562	1.2586	2.9402	-0.0023	0.1476	0.024	0.1693
790	12.3	12.7	0.3257	1.3569	1.2586	2.9412	-0.0246	0.1672	0.0301	0.1728
791	11.9	12.7	0.3259	1.3562	1.2586	2.9407	-0.0381	0.1793	0.0366	0.1777
792	12.2	12.7	0.3251	1.3566	1.2586	2.9403	-0.0508	0.1853	0.0301	0.1646
793	12.3	12.7	0.324	1.3567	1.2582	2.939	-0.0342	0.1859	0.0368	0.1885
794	12.6	12.7	0.3245	1.3554	1.2591	2.9389	-0.0216	0.183	0.032	0.1934
795	13.1	12.6	0.3257	1.3561	1.2593	2.9411	-0.026	0.1701	0.0373	0.1814
796	13.2	12.6	0.3258	1.3568	1.2588	2.9414	-0.0232	0.1596	0.0291	0.1656
797	12.9	12.5	0.3256	1.3553	1.2588	2.9397	-0.0071	0.1466	0.0192	0.1586
798	12.5	12.5	0.324	1.3539	1.2587	2.9367	-0.0069	0.1306	0.0168	0.1405
799	12.2	12.5	0.3232	1.3542	1.2585	2.9358	-0.007	0.1281	0.0217	0.1428
800	12.7	12.4	0.3234	1.3547	1.2582	2.9363	-0.0129	0.1284	0.0235	0.1389
801	12.5	12.4	0.3248	1.3547	1.258	2.9375	-0.0193	0.129	0.0225	0.1322
802	12.4	12.4	0.3253	1.3544	1.2585	2.9382	-0.0278	0.127	0.0207	0.1198
803	12.8	12.4	0.325	1.3551	1.2592	2.9393	-0.0477	0.1324	0.0088	0.0935
804	12.5	12.4	0.325	1.3561	1.2591	2.9401	-0.0304	0.1239	0.0191	0.1126
805	12.4	12.4	0.3249	1.3561	1.2585	2.9395	-0.0276	0.0968	0.0227	0.0919

806	12.2	12.4	0.3252	1.3568	1.258	2.9399	-0.0168	0.0902	0.0182	0.0916
807	12.1	12.3	0.3263	1.3576	1.2579	2.9419	-0.0127	0.0902	0.0142	0.0916
808	11.9	12.4	0.3265	1.3575	1.2583	2.9423	0.0024	0.0961	0.0095	0.108
809	11.9	12.4	0.3262	1.3561	1.2585	2.9408	0.0165	0.0931	0.0153	0.1249
810	11.9	12.4	0.3253	1.3547	1.2584	2.9384	0.0294	0.0972	0.0136	0.1403
811	11.9	12.4	0.3249	1.3545	1.2585	2.9379	0.0488	0.11	0.0066	0.1655
812	12.3	12.4	0.3255	1.3546	1.2583	2.9385	0.032	0.1219	0.0048	0.1587
813	12.5	12.4	0.3263	1.3544	1.2587	2.9394	0.0112	0.1182	0.0023	0.1318
814	12.7	12.4	0.3263	1.3536	1.2587	2.9386	-0.0046	0.1102	-0.0044	0.1012
815	12.5	12.4	0.3256	1.3541	1.2588	2.9385	-0.0094	0.104	-0.0003	0.0942
816	12.4	12.4	0.3263	1.3546	1.2583	2.9392	-0.0148	0.0931	0.0044	0.0827
817	12.9	12.4	0.3257	1.3552	1.257	2.9379	-0.0147	0.1113	0.0079	0.1045
818	12.3	12.4	0.3257	1.354	1.2571	2.9368	0.0027	0.1238	0.01	0.1365
819	13.1	12.4	0.3258	1.3539	1.2571	2.9368	-0.0022	0.1323	0.011	0.1412
820	12.6	12.4	0.3256	1.3533	1.2567	2.9356	-0.0094	0.1307	0.0032	0.1245
821	12.3	12.4	0.3248	1.3527	1.2578	2.9353	0.0147	0.1244	0.0058	0.145
822	13.1	12.4	0.3237	1.3525	1.2586	2.9347	0.0317	0.117	0.0164	0.165
823	12.3	12.4	0.3223	1.354	1.2583	2.9346	0.0181	0.1012	0.022	0.1413
824	12.5	12.4	0.3221	1.3535	1.2584	2.934	0.0076	0.0928	0.0239	0.1243
825	12.4	12.3	0.3222	1.3533	1.2579	2.9334	-0.0047	0.0978	0.0111	0.1043
826	11.9	12.3	0.3227	1.3517	1.2574	2.9318	-0.0074	0.1066	-0.0015	0.0977
827	11.8	12.3	0.3238	1.3518	1.2578	2.9333	0.0109	0.1205	-0.0019	0.1296
828	11.9	12.3	0.3241	1.3518	1.2575	2.9334	0.0197	0.1342	-0.0019	0.152
829	12	12.2	0.3232	1.3513	1.2571	2.9315	0.0201	0.1207	-0.0012	0.1397
830	12.2	12.2	0.3245	1.3508	1.2572	2.9325	0.0161	0.1148	0.0053	0.1362
831	12.2	12.1	0.3264	1.3506	1.2579	2.9349	-0.0011	0.0943	0.0053	0.0984
832	12.2	12.1	0.3263	1.3503	1.2584	2.9349	-0.0026	0.083	-0.0026	0.0778
833	12.1	12	0.3256	1.3502	1.2585	2.9342	0.0304	0.0837	-0.0104	0.1038
834	12.1	12	0.3244	1.3501	1.2583	2.9328	0.0444	0.0879	-0.0046	0.1277
835	12.3	12	0.3242	1.35	1.2581	2.9324	0.019	0.0824	-0.0084	0.0931
836	12	12	0.3243	1.3494	1.2583	2.9321	0.0191	0.1066	-0.0183	0.1073
837	12	12	0.3253	1.3493	1.2587	2.9333	0.0307	0.1146	-0.009	0.1364
838	11.9	12.1	0.3255	1.3498	1.2589	2.9342	0.0295	0.1062	-0.0062	0.1294
839	11.7	12	0.3263	1.3492	1.2582	2.9337	0.0323	0.1201	-0.0102	0.1422
840	11.7	12.1	0.3269	1.348	1.2574	2.9323	0.0255	0.1271	-0.0051	0.1475
841	11.9	12	0.3272	1.3467	1.2577	2.9315	0.0165	0.1226	0.0006	0.1397
842	11.9	12	0.3256	1.3453	1.2571	2.928	0.0072	0.1127	0.0044	0.1243

843	11.8	12	0.325	1.3449	1.2571	2.9269	0.0014	0.1145	0.0038	0.1197
844	11.9	12	0.3245	1.3457	1.2566	2.9268	-0.0112	0.1137	-0.0055	0.097
845	12	12	0.3235	1.3458	1.2564	2.9257	-0.0006	0.1001	-0.003	0.0965
846	12.6	12	0.3239	1.3457	1.2569	2.9266	0.0336	0.1009	-0.0027	0.1318
847	12.5	12.1	0.3247	1.3467	1.2574	2.9288	0.0497	0.1042	-0.007	0.1469
848	12	12.1	0.3242	1.347	1.2572	2.9285	0.0329	0.1025	-0.0046	0.1308
849	12.3	12.1	0.3243	1.3465	1.2573	2.9282	0.0037	0.1067	-0.0022	0.1081
850	12	12.1	0.3248	1.3462	1.2576	2.9286	0.0026	0.116	-0.0051	0.1135
851	12	12.1	0.3253	1.3456	1.2578	2.9287	0.016	0.1282	-0.0047	0.1395
852	12.3	12.1	0.3261	1.346	1.2579	2.93	0.0473	0.14	-0.0068	0.1805
853	12.1	12.1	0.3253	1.3467	1.2576	2.9297	0.0536	0.1414	0.0003	0.1954
854	12.1	12.1	0.3247	1.3472	1.2576	2.9296	0.0516	0.1583	0.007	0.2169
855	12.3	12.1	0.3238	1.3474	1.2575	2.9286	0.0539	0.1572	0.0036	0.2148
856	12.3	12.1	0.3234	1.3476	1.257	2.928	0.0446	0.1473	-0.0065	0.1854
857	12.2	12.1	0.3226	1.3481	1.2577	2.9283	0.0445	0.157	-0.0106	0.1908
858	11.8	12.1	0.3214	1.3484	1.2579	2.9277	0.0461	0.1689	-0.0037	0.2113
859	11.5	12.1	0.3209	1.3483	1.2581	2.9273	0.0529	0.1746	-0.0012	0.2263
860	11.7	12.1	0.3199	1.3482	1.2588	2.9268	0.0604	0.1692	0.0011	0.2307
861	12.1	12.1	0.3211	1.3473	1.2589	2.9272	0.0546	0.1577	0.0066	0.2189
862	12.1	12.1	0.323	1.3474	1.2591	2.9295	0.056	0.1572	0.0077	0.221
863	12.4	12.2	0.3235	1.3474	1.2595	2.9304	0.0576	0.1567	0.0077	0.2219
864	12.1	12.2	0.3244	1.3472	1.2591	2.9307	0.0569	0.1518	0.0104	0.2192
865	11.8	12.2	0.3257	1.3475	1.2585	2.9317	0.0521	0.1405	0.0092	0.2018
866	12.2	12.2	0.3253	1.346	1.2583	2.9296	0.0452	0.1454	0.0075	0.1981
867	11.9	12.2	0.324	1.345	1.2578	2.9268	0.0534	0.1411	-0.0041	0.1904
868	12.2	12.2	0.3251	1.3446	1.2584	2.9281	0.0488	0.1417	-0.013	0.1775
869	12.2	12.3	0.3258	1.3451	1.2592	2.9302	0.0499	0.1238	-0.0101	0.1636
870	12.4	12.3	0.3235	1.3459	1.2586	2.9279	0.0443	0.1274	-0.0083	0.1635
871	13.1	12.3	0.3219	1.3461	1.2582	2.9263	0.0233	0.1267	-0.0158	0.1342
872	12.9	12.3	0.3223	1.3466	1.2579	2.9268	0.0119	0.1237	-0.0084	0.1272
873	12.9	12.3	0.3227	1.347	1.2578	2.9275	-0.0039	0.1301	-0.0023	0.1239
874	12.5	12.3	0.3233	1.3465	1.2585	2.9283	-0.0134	0.1499	-0.006	0.1304
875	12.2	12.3	0.3237	1.3455	1.2592	2.9283	-0.02	0.1473	-0.0021	0.1253
876	11.6	12.3	0.3237	1.3436	1.2592	2.9265	-0.0348	0.1544	-0.0067	0.1129
877	12.1	12.3	0.3242	1.3424	1.2585	2.9251	-0.0602	0.144	-0.0092	0.0746
878	12.3	12.3	0.3249	1.3427	1.2582	2.9258	-0.0658	0.148	-0.0021	0.0801
879	12	12.3	0.3246	1.3427	1.2575	2.9248	-0.0647	0.1489	-0.0015	0.0827

880	12.5	12.2	0.3245	1.342	1.2577	2.9242	-0.0509	0.1524	-0.0071	0.0944
881	12.1	12.2	0.3247	1.3414	1.258	2.9241	-0.0161	0.149	-0.0069	0.126
882	12.2	12.1	0.3241	1.3414	1.2584	2.9239	0.0101	0.1484	-0.0027	0.1558
883	11.9	12	0.3239	1.3407	1.2581	2.9228	0.0067	0.1454	-0.0038	0.1483
884	11.6	12	0.3242	1.34	1.2586	2.9228	-0.012	0.1339	-0.0042	0.1177
885	12.1	12	0.3245	1.3399	1.2591	2.9235	-0.0241	0.1279	-0.002	0.1019
886	12.4	12	0.3241	1.3404	1.2586	2.9231	-0.0128	0.1299	-0.0017	0.1154
887	11.8	12	0.3243	1.3418	1.2592	2.9253	0.007	0.1272	0.003	0.1372
888	12.1	12	0.3237	1.3419	1.2597	2.9253	0.0197	0.1246	0.0034	0.1477
889	12	12	0.3229	1.3435	1.2591	2.9255	0.0249	0.1296	0.013	0.1675
890	11.9	12	0.3241	1.3446	1.2585	2.9272	0.0284	0.1216	0.0054	0.1553
891	11.7	12	0.3252	1.3449	1.2582	2.9283	0.0196	0.1259	-0.0123	0.1332
892	11.6	12	0.325	1.3451	1.2582	2.9283	0.0253	0.1114	-0.017	0.1196
893	11.7	12	0.3251	1.3454	1.2588	2.9293	0.0137	0.0962	-0.0189	0.091
894	12.3	12.1	0.3245	1.3454	1.2594	2.9293	0.0073	0.0893	-0.0079	0.0888
895	12.4	12.1	0.3223	1.346	1.2595	2.9279	0.0017	0.103	-0.0145	0.0901
896	12.1	12.1	0.3208	1.3464	1.2595	2.9268	-0.009	0.1032	-0.0148	0.0795
897	12.3	12.1	0.3223	1.345	1.2593	2.9266	-0.0085	0.1001	-0.009	0.0826
898	11.9	12.1	0.3237	1.3432	1.259	2.9258	-0.0127	0.1125	-0.0077	0.0921
899	12.1	12.1	0.3229	1.3426	1.259	2.9244	-0.0296	0.107	-0.008	0.0695
900	11.8	12.1	0.3218	1.3419	1.2587	2.9224	-0.043	0.0994	-0.006	0.0505
901	11.8	12.1	0.3201	1.3406	1.2587	2.9194	-0.0442	0.095	-0.0073	0.0435
902	12.5	12.1	0.32	1.3403	1.2584	2.9187	-0.02	0.091	-0.0042	0.0668
903	12.8	12.2	0.3198	1.3393	1.2585	2.9176	0.0008	0.0956	-0.0009	0.0955
904	12.4	12.2	0.3196	1.3403	1.2587	2.9186	-0.004	0.1067	-0.0017	0.101
905	12.2	12.2	0.3204	1.3413	1.2592	2.9209	-0.0061	0.1157	-0.0045	0.105
906	11.9	12.2	0.3207	1.3411	1.259	2.9209	-0.0182	0.114	-0.0064	0.0893
907	12.3	12.2	0.3217	1.3407	1.2583	2.9208	-0.0367	0.1193	-0.0104	0.0722
908	11.9	12.2	0.3213	1.34	1.2584	2.9197	-0.0369	0.1346	-0.0041	0.0937
909	12.1	12.2	0.3202	1.3392	1.2584	2.9177	-0.0357	0.1347	-0.0046	0.0944
910	12.1	12.2	0.3198	1.339	1.2578	2.9165	-0.0392	0.1322	-0.003	0.09
911	12.3	12.2	0.3193	1.3388	1.2577	2.9158	-0.0467	0.1345	0.006	0.0938
912	12.2	12.2	0.3197	1.339	1.2576	2.9163	-0.0328	0.1308	0.0093	0.1073
913	12.5	12.2	0.3206	1.3392	1.2576	2.9175	-0.007	0.1383	0.0113	0.1426
914	12.6	12.2	0.321	1.3396	1.2578	2.9184	0.0028	0.1422	0.0172	0.1623
915	11.9	12.2	0.3211	1.3396	1.258	2.9187	0.0121	0.1451	0.0164	0.1736
916	12.4	12.2	0.3209	1.3405	1.2587	2.9201	0.0315	0.1595	0.0115	0.2026

917	12	12.2	0.3208	1.341	1.2583	2.9202	0.0334	0.1487	0.0101	0.1922
918	12.1	12.2	0.3207	1.3416	1.2581	2.9204	0.0224	0.1439	-0.0004	0.166
919	12.1	12.2	0.3214	1.3412	1.2579	2.9205	0.0289	0.1291	0.0059	0.1638
920	12.4	12.3	0.3233	1.3406	1.2583	2.9222	0.0352	0.1391	0.0209	0.1952
921	12	12.3	0.3236	1.3403	1.2586	2.9226	0.0021	0.1425	0.0097	0.1542
922	12.3	12.3	0.3241	1.3395	1.2588	2.9224	-0.0219	0.1505	0.0004	0.129
923	12.2	12.3	0.3236	1.339	1.2589	2.9216	-0.0124	0.1448	-0.0023	0.1301
924	12.2	12.3	0.3241	1.3388	1.2586	2.9214	-0.0123	0.1485	-0.005	0.1312
925	12	12.4	0.3256	1.3378	1.2586	2.9221	-0.0058	0.1383	0.0016	0.1341
926	12.3	12.3	0.3287	1.3373	1.2584	2.9244	0.0078	0.1351	0.0095	0.1525
927	12.5	12.4	0.3304	1.337	1.258	2.9253	0.0143	0.1047	0.0072	0.1263
928	12.6	12.3	0.3306	1.3369	1.2577	2.9251	-0.0006	0.0847	0.003	0.0871
929	12.7	12.3	0.3283	1.336	1.2578	2.9221	-0.0383	0.1001	0.003	0.0648
930	12.8	12.3	0.3261	1.3359	1.2579	2.9199	-0.078	0.1069	-0.0028	0.0261
931	12.8	12.3	0.3253	1.3358	1.2582	2.9193	-0.0908	0.1059	-0.0026	0.0125
932	12.6	12.2	0.3256	1.3357	1.2588	2.9201	-0.0879	0.1063	-0.0026	0.0158
933	12.4	12.2	0.3268	1.3368	1.2589	2.9225	-0.0954	0.1061	0.0006	0.0113
934	12.5	12.2	0.3268	1.3373	1.2585	2.9226	-0.1137	0.1005	-0.0018	-0.0149
935	11.9	12.2	0.3255	1.337	1.2583	2.9208	-0.0961	0.0786	0.0059	-0.0116
936	12.4	12.2	0.3236	1.3367	1.258	2.9183	-0.0869	0.0725	0.0031	-0.0113
937	11.6	12.2	0.3233	1.3368	1.2584	2.9185	-0.076	0.0795	-0.0061	-0.0027
938	11.7	12.2	0.323	1.3369	1.2576	2.9175	-0.0725	0.1024	0.0006	0.0305
939	11.6	12.2	0.3235	1.3371	1.2576	2.9182	-0.067	0.1041	0.0036	0.0408
940	11.9	12.2	0.325	1.3354	1.2586	2.9189	-0.0502	0.1084	-0.0024	0.0558
941	11.6	12.1	0.3246	1.3356	1.2594	2.9196	-0.0271	0.1179	-0.0032	0.0875
942	11.5	12.1	0.3243	1.3357	1.259	2.9189	0.003	0.12	-0.0029	0.1201
943	12.2	12.1	0.3242	1.3359	1.2579	2.918	-0.0039	0.1329	0.0043	0.1333
944	12.4	12.1	0.3243	1.3354	1.258	2.9178	-0.0084	0.1492	0.0103	0.1511
945	12.3	12.1	0.3244	1.3354	1.2579	2.9177	-0.0092	0.1538	0.022	0.1667
946	12.5	12.1	0.3248	1.3356	1.2578	2.9183	-0.0317	0.1626	0.0249	0.1558
947	12.5	12.1	0.3259	1.3355	1.2582	2.9196	-0.0548	0.172	0.0205	0.1377
948	12.4	12.1	0.3272	1.3363	1.258	2.9215	-0.0408	0.156	0.0131	0.1283
949	12.2	12.2	0.3286	1.3366	1.2579	2.9231	-0.012	0.1319	0.0102	0.1301
950	12.2	12.2	0.3293	1.3367	1.2584	2.9243	-0.0071	0.1235	0.0123	0.1287
951	11.9	12.2	0.3273	1.3365	1.2583	2.9221	-0.0159	0.1023	0.014	0.1003
952	12.1	12.3	0.326	1.3365	1.258	2.9205	-0.0425	0.0921	0.014	0.0636
953	12.6	12.3	0.3257	1.3361	1.2578	2.9196	-0.0461	0.0937	0.0032	0.0508

954	11.9	12.3	0.3253	1.3357	1.2581	2.9191	-0.0451	0.0757	0.0039	0.0345
955	12.1	12.2	0.3256	1.336	1.2581	2.9197	-0.0462	0.0758	0.0044	0.034
956	12.2	12.2	0.3271	1.3356	1.2581	2.9208	-0.0225	0.0902	0.011	0.0787
957	12.2	12.2	0.3262	1.3346	1.2581	2.9189	-0.0151	0.0928	0.0089	0.0867
958	12.2	12.2	0.325	1.3349	1.2584	2.9183	0.0009	0.0919	0.0011	0.0939
959	12.7	12.2	0.3249	1.3351	1.2584	2.9183	0.0021	0.0846	0.0064	0.0931
960	12.2	12.2	0.3245	1.3347	1.2582	2.9174	-0.0236	0.0767	0.0053	0.0584
961	12.3	12.2	0.3243	1.3342	1.2579	2.9165	-0.0348	0.078	-0.0033	0.0399
962	12.7	12.2	0.3236	1.3336	1.258	2.9153	-0.0304	0.0782	-0.0047	0.0431
963	12.1	12.1	0.3232	1.3331	1.2578	2.9142	-0.0405	0.0771	-0.0052	0.0314
964	11.7	12.1	0.3232	1.3327	1.2575	2.9133	-0.0457	0.0777	-0.0078	0.0243
965	11.8	12.1	0.3226	1.3315	1.2573	2.9114	-0.0448	0.0807	-0.0067	0.0292
966	12.1	12.1	0.3219	1.3312	1.2573	2.9104	-0.0482	0.0834	-0.0015	0.0338
967	12	12.1	0.3218	1.3306	1.2579	2.9103	-0.0515	0.0941	0.0052	0.0479
968	12.3	12	0.3222	1.3317	1.2578	2.9117	-0.0454	0.0963	0.0097	0.0606
969	12	12	0.3223	1.3312	1.2572	2.9107	-0.0395	0.1074	0.0108	0.0786
970	12	11.9	0.3233	1.3316	1.2576	2.9125	-0.0393	0.1055	0.0023	0.0685
971	12.4	11.9	0.3241	1.3311	1.2582	2.9134	-0.0295	0.0921	0.0026	0.0652
972	11.5	11.8	0.3235	1.3321	1.2581	2.9138	-0.0228	0.0928	0.0061	0.0761
973	11.7	11.8	0.3239	1.3322	1.2583	2.9144	-0.022	0.0884	0.0066	0.073
974	11.9	11.8	0.3238	1.3327	1.2583	2.9149	-0.0251	0.0813	0.0088	0.065
975	12	11.8	0.3229	1.332	1.2582	2.9131	-0.0275	0.077	0.0102	0.0596
976	11.7	11.8	0.3223	1.3332	1.2584	2.9139	-0.0173	0.0677	0.0075	0.058
977	11.6	11.8	0.3242	1.3339	1.2582	2.9164	0.0117	0.0653	0.0056	0.0826
978	11.3	11.8	0.3287	1.3327	1.2579	2.9194	0.0279	0.061	0.004	0.0928
979	11.2	11.7	0.3324	1.332	1.2578	2.9222	0.0363	0.0633	0.0007	0.1003
980	11.5	11.7	0.3336	1.3314	1.2579	2.9229	0.0193	0.0555	-0.0025	0.0723
981	11.4	11.7	0.3335	1.3307	1.2583	2.9225	0.0096	0.0549	-0.002	0.0625
982	11.4	11.7	0.3336	1.3308	1.2583	2.9228	0.0095	0.0471	0.0042	0.0608
983	11.7	11.8	0.3353	1.3307	1.2583	2.9242	0.0204	0.0482	0.0142	0.0829
984	11.9	11.8	0.3339	1.3322	1.258	2.924	0.0364	0.0657	0.0106	0.1128
985	12	11.8	0.3332	1.3326	1.2588	2.9247	0.0317	0.0696	0.0089	0.1102
986	12.4	11.7	0.3317	1.3325	1.2592	2.9234	0.0103	0.0683	0.0027	0.0812
987	11.9	11.7	0.3316	1.3315	1.2591	2.9222	-0.0044	0.0609	-0.0046	0.0519
988	11.5	11.7	0.3304	1.3315	1.2593	2.9213	-0.0079	0.0523	0.0014	0.0457
989	11.8	11.7	0.3279	1.3327	1.2593	2.9199	-0.0158	0.0398	-0.0012	0.0228
990	12.2	11.7	0.3268	1.3328	1.2589	2.9185	-0.0179	0.0432	0.0001	0.0253

991	11.9	11.8	0.3249	1.3329	1.2584	2.9162	0.0017	0.0278	0.0042	0.0337
992	12.2	11.8	0.3254	1.3318	1.2578	2.915	0.0137	0.0265	0.0103	0.0505
993	11.9	11.8	0.326	1.3305	1.2578	2.9142	0.0188	0.0255	0.008	0.0524
994	11.9	11.8	0.3255	1.33	1.2572	2.9126	0.0179	0.0291	-0.0015	0.0455
995	11.5	11.7	0.3255	1.3297	1.2571	2.9123	0.0118	0.025	0.0027	0.0395
996	11.3	11.7	0.3263	1.3292	1.2574	2.913	0.0124	0.0318	-0.0036	0.0407
997	11.3	11.6	0.3264	1.3294	1.2579	2.9138	0.0212	0.0402	-0.0021	0.0593
998	11.6	11.6	0.3249	1.33	1.2579	2.9128	0.0361	0.041	0.0025	0.0795
999	11.6	11.5	0.3236	1.3302	1.2577	2.9116	0.0524	0.0581	0.0038	0.1143
1000	12	11.4	0.3234	1.3316	1.2573	2.9123	0.0661	0.0674	0.0108	0.1443
1001	11.7	11.4	0.3243	1.3314	1.2573	2.9131	0.0716	0.0834	0.0165	0.1715
1002	11.6	11.3	0.3246	1.3309	1.2581	2.9136	0.0521	0.0862	0.0135	0.1519
1003	11.4	11.2	0.3243	1.3317	1.2581	2.9141	0.0314	0.0934	0.0112	0.136
1004	11.1	11.2	0.3242	1.3327	1.2583	2.9152	0.024	0.1026	0.0099	0.1365
1005	11	11.1	0.3227	1.3323	1.2581	2.9131	0.0088	0.1061	0.0143	0.1293
1006	10.9	11.1	0.3222	1.3318	1.2581	2.9122	-0.0112	0.1035	0.009	0.1013
1007	10.7	11.1	0.3216	1.3316	1.2582	2.9114	-0.0057	0.0963	0.0035	0.0941
1008	10.7	11	0.321	1.3316	1.2578	2.9104	-0.0155	0.0849	-0.0031	0.0663
1009	11	11	0.3225	1.3315	1.2579	2.9119	-0.0253	0.0785	-0.0023	0.0509
1010	10.9	11	0.3233	1.3312	1.2581	2.9126	-0.017	0.0667	-0.0004	0.0493
1011	10.5	11	0.3223	1.331	1.2582	2.9115	-0.0149	0.0632	0.0034	0.0517
1012	10.6	10.9	0.3238	1.3312	1.2581	2.9131	-0.0162	0.0573	0.0042	0.0453
1013	10.8	10.9	0.3252	1.3315	1.2584	2.9151	-0.0077	0.0443	0.0059	0.0425
1014	11	10.9	0.3255	1.3315	1.2585	2.9155	0.0025	0.0378	0.0031	0.0434
1015	10.6	11	0.3259	1.3312	1.2582	2.9153	-0.0015	0.024	-0.0067	0.0159
1016	10.6	11	0.3261	1.3311	1.2582	2.9153	-0.0063	0.0109	-0.0077	-0.0031
1017	10.9	11	0.3254	1.3314	1.2574	2.9141	-0.0178	0.0041	-0.0068	-0.0205
1018	11.3	11	0.3247	1.3309	1.257	2.9126	-0.0393	-0.0002	0.0034	-0.036
1019	11.1	11	0.3253	1.3307	1.2577	2.9136	-0.0325	0.0075	0.0073	-0.0176
1020	11.3	11	0.3263	1.3314	1.258	2.9157	-0.0402	0.008	-0.0062	-0.0383
1021	11	11	0.3259	1.3311	1.258	2.915	-0.0204	0.0086	-0.0008	-0.0126
1022	11.5	11	0.3263	1.3306	1.2581	2.9151	0.0021	-0.0001	0.0048	0.0068
1023	11.3	11	0.3261	1.3309	1.258	2.9151	0.0095	0.01	0.0041	0.0237
1024	11.5	11	0.3268	1.3311	1.2575	2.9155	0.0201	0.0066	0.0087	0.0354
1025	11.3	11	0.3274	1.3311	1.2578	2.9163	0.0163	0.0078	0.0069	0.031
1026	11	11	0.3275	1.3307	1.2578	2.9161	-0.005	-0.0024	0.0047	-0.0027
1027	10.5	11	0.3276	1.3309	1.2576	2.916	-0.0363	0.0143	0.0097	-0.0123

1028	10.4	10.9	0.3269	1.3305	1.2576	2.9151	-0.0311	0.0384	0.0058	0.0131
1029	10.8	10.9	0.3264	1.3305	1.258	2.9149	0.0161	0.0437	0.0032	0.063
1030	10.9	10.9	0.3252	1.3304	1.2581	2.9137	0.056	0.0433	0.0054	0.1047
1031	10.9	10.9	0.3244	1.3311	1.2578	2.9133	0.0848	0.0469	0.0031	0.1348
1032	11.4	10.8	0.3236	1.3309	1.2573	2.9118	0.0894	0.0396	0.0066	0.1357
1033	10.6	10.8	0.3231	1.3302	1.2579	2.9112	0.0848	0.0203	0.0096	0.1147
1034	10.5	10.7	0.3236	1.3303	1.2576	2.9116	0.1052	0.0156	0.0096	0.1305
1035	10.6	10.7	0.3245	1.3302	1.258	2.9127	0.0986	0.0292	0.0005	0.1284
1036	10.3	10.7	0.3241	1.3306	1.2585	2.9132	0.1038	0.03	0.0082	0.142
1037	10.5	10.8	0.3241	1.3316	1.2583	2.914	0.1001	0.0177	0.0106	0.1284
1038	10.7	10.8	0.3246	1.3329	1.2577	2.9152	0.0979	0.002	0.006	0.1059
1039	11	10.8	0.3253	1.3328	1.2576	2.9156	0.0856	-0.0039	0.0093	0.091
1040	11	10.8	0.3248	1.3326	1.2582	2.9156	0.0631	0.0075	0.013	0.0836
1041	10.7	10.7	0.3233	1.3329	1.2584	2.9145	0.0608	0.0158	0.0098	0.0863
1042	10.6	10.7	0.3224	1.3331	1.2582	2.9137	0.0499	0.0248	0.0044	0.0792
1043	10.6	10.7	0.3224	1.333	1.258	2.9135	0.0625	0.0236	-0.0026	0.0834
1044	10.9	10.6	0.3231	1.3329	1.2578	2.9138	0.0688	0.0187	-0.0009	0.0866
1045	10.9	10.6	0.3231	1.3323	1.2582	2.9136	0.0606	0.0173	-0.0026	0.0752
1046	11.2	10.6	0.3227	1.3316	1.2581	2.9124	0.0609	0.0187	-0.0024	0.0772
1047	11	10.6	0.3223	1.3314	1.2579	2.9116	0.0617	0.013	-0.0019	0.0729
1048	10.6	10.6	0.3219	1.3305	1.2576	2.9101	0.0657	0.0184	0.0025	0.0866
1049	10.9	10.6	0.322	1.3299	1.2568	2.9087	0.0486	0.0209	0.0054	0.0749
1050	10.2	10.6	0.3221	1.3283	1.2567	2.9071	0.0269	0.0225	0.0004	0.0497
1051	10.3	10.6	0.3221	1.3279	1.2569	2.9069	0.0197	0.0284	-0.0046	0.0434
1052	10.1	10.5	0.3229	1.3271	1.2569	2.9069	0.0259	0.0305	-0.001	0.0554
1053	10.1	10.5	0.3233	1.3258	1.2568	2.9059	0.0259	0.0216	0.0076	0.0551
1054	10.4	10.5	0.3244	1.325	1.2567	2.9061	0.0262	0.0232	0.0066	0.0561
1055	10.3	10.4	0.3267	1.3257	1.2572	2.9096	0.0328	0.0329	0.0103	0.076
1056	10.5	10.3	0.3277	1.326	1.2577	2.9114	0.0144	0.0265	0.009	0.0499
1057	10.9	10.3	0.3278	1.3261	1.2584	2.9123	0.005	0.0196	0.0083	0.0328
1058	10.6	10.3	0.3275	1.3271	1.2586	2.9132	0.0055	0.018	0.0101	0.0335
1059	9.96	10.2	0.3266	1.3284	1.2585	2.9134	0.0005	0.0223	0.0098	0.0327
1060	10.4	10.2	0.326	1.3284	1.2578	2.9123	0.0046	0.034	0.0103	0.0489
1061	10.4	10.2	0.326	1.3285	1.2575	2.912	0.0118	0.0444	0.0113	0.0675
1062	10.1	10.3	0.3244	1.3292	1.2574	2.911	0.0043	0.0503	0.0142	0.0688
1063	9.94	10.3	0.323	1.3294	1.2575	2.9098	0.0107	0.0604	0.0158	0.0869
1064	9.82	10.4	0.3233	1.3303	1.2581	2.9117	0.02	0.0561	0.0173	0.0934

1065	9.93	10.4	0.3232	1.3304	1.2581	2.9118	0.0219	0.0534	0.0205	0.0958
1066	10	10.4	0.3237	1.3307	1.258	2.9124	0.0184	0.0522	0.0122	0.0828
1067	10.1	10.5	0.3257	1.3306	1.2575	2.9139	0.0189	0.0427	0.0069	0.0686
1068	10.1	10.5	0.3255	1.3309	1.2571	2.9135	0.0011	0.032	-0.004	0.0291
1069	10.4	10.6	0.3263	1.3304	1.2578	2.9145	0.0003	0.0284	-0.0075	0.0212
1070	10.5	10.6	0.3253	1.3308	1.2577	2.9138	0.019	0.0277	-0.0003	0.0464
1071	10.9	10.7	0.3239	1.3311	1.2577	2.9127	0.0315	0.0322	0.0081	0.0719
1072	11.1	10.7	0.3226	1.3311	1.2577	2.9114	0.03	0.0325	0.0111	0.0736
1073	11.1	10.8	0.3219	1.3315	1.2574	2.9109	0.0355	0.0344	0.0084	0.0783
1074	10.9	10.9	0.3222	1.3319	1.2576	2.9118	0.0282	0.0346	0.0061	0.069
1075	11.2	10.9	0.3234	1.3322	1.2577	2.9134	0.0342	0.0366	0.0068	0.0777
1076	11.2	10.9	0.3259	1.3317	1.2575	2.9151	0.0438	0.0348	0.0155	0.0941
1077	11.3	11	0.3273	1.3301	1.2576	2.9151	0.0438	0.0345	0.0142	0.0925
1078	12	11	0.3271	1.3283	1.2576	2.9131	0.039	0.0448	0.0015	0.0853
1079	11.3	11	0.3268	1.3277	1.2572	2.9117	0.0263	0.0419	0.0043	0.0724
1080	11	11	0.3251	1.3268	1.2576	2.9095	0.0201	0.0415	0.0084	0.07
1081	11	11	0.3245	1.3268	1.2576	2.9089	0.0026	0.0223	0.0086	0.0335
1082	11	11	0.3252	1.3288	1.2574	2.9113	-0.0039	0.0158	0.0065	0.0184
1083	11.2	11	0.3248	1.3291	1.2573	2.9112	-0.009	0.0072	0.0009	-0.0009
1084	10.7	11	0.324	1.3293	1.2579	2.9112	-0.0151	0.0037	0.004	-0.0075
1085	10.7	11	0.3228	1.3296	1.258	2.9105	-0.0033	0.0087	0.0001	0.0054
1086	10.8	10.9	0.3217	1.3307	1.2581	2.9106	0.0116	0.0097	0.006	0.0273
1087	10.8	10.9	0.3218	1.3313	1.2585	2.9116	0.0097	0.0115	0.0124	0.0337
1088	10.7	10.8	0.3219	1.3319	1.2584	2.9122	0.0138	0.0195	0.0093	0.0427
1089	10.8	10.8	0.3216	1.3319	1.258	2.9116	0.0298	0.0317	0.0082	0.0697
1090	10.6	10.7	0.3207	1.3312	1.2579	2.9098	0.0383	0.046	0.0101	0.0944
1091	10.6	10.7	0.3199	1.3305	1.258	2.9083	0.0305	0.0576	0.0158	0.1039
1092	10.8	10.7	0.3191	1.3295	1.2581	2.9066	0.0209	0.0634	0.0158	0.1001
1093	11	10.7	0.3191	1.3286	1.2579	2.9055	0.0004	0.0572	0.0097	0.0673
1094	10.9	10.7	0.3194	1.3283	1.2574	2.9051	-0.0121	0.039	0.0072	0.0341
1095	10.5	10.6	0.3194	1.3279	1.2573	2.9046	-0.0175	0.0424	0.0061	0.0309
1096	10.7	10.6	0.3201	1.3279	1.2576	2.9057	-0.0167	0.0302	0.0061	0.0195
1097	10.7	10.6	0.3199	1.3276	1.2577	2.9051	-0.0325	0.0108	0.0016	-0.0201
1098	10.3	10.6	0.32	1.3279	1.2574	2.9053	-0.0346	0.0119	-0.0025	-0.0253
1099	10.2	10.6	0.3209	1.328	1.2577	2.9066	-0.0325	0.0086	-0.0035	-0.0274
1100	10.7	10.6	0.3214	1.3288	1.2578	2.908	-0.0276	0.0118	-0.0089	-0.0248
1101	10.5	10.6	0.3218	1.3284	1.2574	2.9075	-0.0295	0.0004	-0.007	-0.036

1102	10.6	10.5	0.322	1.3287	1.2573	2.9081	-0.0345	-0.0057	-0.003	-0.0433
1103	10.7	10.5	0.3217	1.3294	1.2574	2.9085	-0.0245	-0.0151	0.0019	-0.0377
1104	9.98	10.5	0.3209	1.3295	1.2573	2.9076	-0.0138	-0.0348	0.0022	-0.0464
1105	10.1	10.5	0.3212	1.3297	1.2572	2.9081	-0.0004	-0.0481	-0.0067	-0.0552
1106	10.7	10.5	0.3217	1.3299	1.2573	2.9089	0.022	-0.0427	-0.0048	-0.0254
1107	10.7	10.5	0.3211	1.3298	1.2572	2.908	0.0376	-0.0537	0.0036	-0.0124
1108	10.7	10.5	0.321	1.3293	1.2568	2.9071	0.0372	-0.0489	0.0099	-0.0017
1109	10.9	10.5	0.3221	1.3281	1.2568	2.907	0.0321	-0.034	0.012	0.01
1110	10.4	10.5	0.3221	1.3267	1.257	2.9058	0.0145	-0.0235	0.0127	0.0037
1111	10.1	10.5	0.3219	1.326	1.2568	2.9046	0.0076	-0.0141	0.0085	0.002
1112	10.8	10.4	0.3227	1.3252	1.2565	2.9045	0.0194	-0.0008	0.0073	0.0259
1113	10.3	10.4	0.3232	1.3259	1.2567	2.9058	0.0126	0.0149	0.008	0.0354
1114	10.2	10.4	0.3233	1.3261	1.2564	2.9059	-0.0049	0.0151	0.0148	0.025
1115	10.7	10.5	0.3241	1.326	1.257	2.907	-0.0061	0.0373	0.0209	0.0521
1116	10.1	10.4	0.3242	1.3268	1.2575	2.9085	-0.0166	0.0426	0.0167	0.0427
1117	10.4	10.4	0.3252	1.3282	1.2578	2.9112	-0.0151	0.0381	0.0108	0.0338
1118	10.4	10.4	0.3246	1.3281	1.2578	2.9105	0.0156	0.044	0.0066	0.0661
1119	10.4	10.4	0.3234	1.3279	1.2577	2.909	0.0072	0.0484	0.005	0.0607
1120	10.5	10.4	0.3231	1.3282	1.2572	2.9085	0.002	0.022	0.0134	0.0374
1121	10.3	10.4	0.3229	1.3278	1.2569	2.9076	-0.0196	0.012	0.0077	0.0001
1122	10.3	10.3	0.3227	1.3272	1.2573	2.9072	-0.0362	0.018	0.0042	-0.0139
1123	10.4	10.3	0.3233	1.3274	1.2574	2.9082	-0.0411	0.0174	0.0036	-0.02
1124	10.3	10.3	0.3234	1.3274	1.2569	2.9077	-0.0447	0.0303	-0.0021	-0.0165
1125	10.4	10.3	0.323	1.3276	1.2563	2.9069	-0.0325	0.036	-0.0037	-0.0002
1126	10.3	10.3	0.3232	1.3273	1.2564	2.9068	-0.0236	0.0282	-0.0075	-0.0029
1127	10.7	10.2	0.3237	1.3264	1.2574	2.9075	-0.0038	0.0098	-0.0084	-0.0024
1128	10.4	10.2	0.3243	1.3263	1.2572	2.9078	0.0045	-0.0031	-0.0026	-0.0011
1129	9.78	10.2	0.3244	1.3263	1.2572	2.9079	0.0118	-0.0256	-0.0007	-0.0145
1130	9.93	10.2	0.3249	1.3282	1.2573	2.9103	0.0145	-0.0454	-0.005	-0.0359
1131	10.1	10.3	0.3248	1.3295	1.2571	2.9114	-0.0018	-0.0559	0.0019	-0.0558
1132	10.1	10.3	0.3245	1.3302	1.2573	2.9119	0.0037	-0.0529	-0.0013	-0.0505
1133	10	10.2	0.3246	1.3298	1.2575	2.9119	0.0278	-0.0333	-0.0044	-0.0099
1134	9.96	10.2	0.3239	1.3295	1.2576	2.911	0.0424	-0.0218	-0.0017	0.019
1135	10.1	10.3	0.3233	1.3292	1.2574	2.91	0.0491	-0.0119	0.0079	0.0451
1136	9.97	10.3	0.3231	1.3294	1.2572	2.9098	0.0467	-0.004	0.0115	0.0542
1137	10.4	10.3	0.3227	1.3297	1.2573	2.9097	0.0338	0.0188	0.0157	0.0683
1138	10.3	10.4	0.3216	1.3297	1.2569	2.9082	0.0168	0.0345	0.02	0.0713

1139	10.9	10.4	0.3214	1.3282	1.2566	2.9062	0.0088	0.0457	0.0139	0.0684
1140	10.6	10.4	0.3218	1.3268	1.2566	2.9052	0.005	0.0424	0.0154	0.0627
1141	10.1	10.4	0.3212	1.3266	1.2568	2.9045	-0.0478	0.0304	0.0213	0.0038
1142	9.91	10.4	0.3224	1.3274	1.2572	2.907	-0.0984	0.027	0.0142	-0.0572
1143	10.3	10.4	0.3236	1.3291	1.2573	2.9101	-0.1264	0.0149	0.0126	-0.0989
1144	11.3	10.5	0.3249	1.3287	1.2572	2.9107	-0.1179	0.0024	0.0114	-0.104
1145	10.9	10.5	0.3248	1.3292	1.2576	2.9117	-0.082	-0.0004	0.0056	-0.0769
1146	10.9	10.5	0.3259	1.3305	1.2579	2.9144	-0.0686	-0.0006	0.0066	-0.0625
1147	11.2	10.5	0.3258	1.3302	1.2582	2.9141	-0.0516	0.0087	0.0123	-0.0306
1148	10.6	10.5	0.3252	1.3297	1.258	2.9128	-0.0373	0.0098	0.0133	-0.0142
1149	10.2	10.4	0.3248	1.3287	1.2577	2.9112	-0.0303	0.0278	0.0118	0.0094
1150	10.3	10.4	0.325	1.3283	1.2574	2.9107	-0.0203	0.0368	0.0182	0.0348
1151	10.3	10.5	0.3256	1.3285	1.2572	2.9112	-0.0132	0.043	0.0225	0.0523
1152	10.3	10.5	0.3253	1.3286	1.2567	2.9106	-0.0042	0.0374	0.0214	0.0546
1153	10.4	10.6	0.3247	1.3293	1.2566	2.9106	-0.0055	0.0401	0.0213	0.0559
1154	10.3	10.5	0.3245	1.3299	1.2573	2.9117	-0.0324	0.0433	0.0176	0.0286
1155	10.1	10.5	0.3245	1.33	1.2577	2.9121	-0.0811	0.0323	0.0144	-0.0344
1156	9.87	10.5	0.3239	1.3314	1.2574	2.9126	-0.1172	0.029	0.0133	-0.0749
1157	10.3	10.5	0.3241	1.331	1.2574	2.9125	-0.1199	0.035	0.0148	-0.0702
1158	10.3	10.5	0.3243	1.3305	1.2574	2.9122	-0.1166	0.0273	0.019	-0.0704
1159	10.6	10.5	0.3251	1.3307	1.2572	2.913	-0.1263	0.0208	0.0069	-0.0987
1160	11.2	10.5	0.3253	1.3298	1.257	2.9121	-0.1594	0.0013	0.0094	-0.1486
1161	10.8	10.5	0.324	1.3285	1.2568	2.9094	-0.1513	-0.0048	0.0081	-0.148
1162	11.1	10.6	0.3232	1.3277	1.2566	2.9075	-0.1144	-0.021	-0.0039	-0.1393
1163	10.8	10.5	0.3235	1.3278	1.256	2.9073	-0.0873	-0.0279	-0.0081	-0.1233
1164	10.6	10.5	0.324	1.3265	1.2561	2.9065	-0.0662	-0.0159	-0.0028	-0.0849
1165	10.3	10.5	0.3249	1.3262	1.2564	2.9075	-0.0514	-0.0021	-0.0037	-0.0572
1166	10.6	10.5	0.3252	1.3269	1.2569	2.9091	-0.0374	-0.004	0.004	-0.0375
1167	11.1	10.5	0.3242	1.3262	1.2569	2.9072	-0.0222	0.0021	0.0086	-0.0115
1168	10.6	10.5	0.3248	1.3261	1.2566	2.9074	-0.0095	0.0166	0.0114	0.0185
1169	10.5	10.5	0.3261	1.3282	1.2564	2.9108	-0.0136	0.0193	0.0102	0.0159
1170	10.6	10.4	0.3273	1.3296	1.2569	2.9137	-0.0236	0.0216	0.0091	0.0071
1171	10.4	10.4	0.3275	1.3293	1.2573	2.9141	-0.0218	0.0253	0.0041	0.0076
1172	10.2	10.3	0.3267	1.3294	1.2573	2.9134	-0.026	0.0165	0.0041	-0.0054
1173	10.2	10.3	0.3264	1.3285	1.2577	2.9125	-0.0319	-0.0076	0.0045	-0.0351
1174	10.2	10.3	0.3255	1.3283	1.258	2.9118	-0.0294	-0.017	0.0068	-0.0397
1175	9.94	10.4	0.3258	1.3294	1.2585	2.9137	-0.009	-0.023	0.0007	-0.0313

1176	9.9	10.4	0.3263	1.3307	1.2583	2.9154	0.0035	-0.0186	-0.0051	-0.0202
1177	10.5	10.3	0.3269	1.3304	1.2579	2.9152	0.0059	-0.0172	-0.0012	-0.0126
1178	10	10.3	0.326	1.3309	1.2577	2.9145	0.0157	-0.0188	0.009	0.006
1179	9.9	10.3	0.3254	1.3322	1.2577	2.9153	0.0224	-0.0138	0.004	0.0126
1180	9.99	10.3	0.3253	1.3323	1.2574	2.915	0.0281	-0.0142	0.0049	0.0188
1181	10.2	10.4	0.3242	1.3321	1.2577	2.914	0.043	0.0015	0.0094	0.0538
1182	10.6	10.4	0.3224	1.3321	1.2578	2.9123	0.0393	0.0064	0.0104	0.0562
1183	10.8	10.5	0.3205	1.3313	1.2575	2.9093	0.0324	0.0018	0.0116	0.0457
1184	10.8	10.5	0.3191	1.3304	1.2571	2.9066	0.0327	-0.001	0.0141	0.0459
1185	10.6	10.5	0.3182	1.33	1.2568	2.905	0.0241	0.0025	0.0124	0.039
1186	10.7	10.5	0.3184	1.3288	1.2566	2.9037	0.0272	0.0134	0.0058	0.0465
1187	10.4	10.5	0.3201	1.3279	1.2565	2.9045	0.0339	0.0142	0.0048	0.053
1188	10.3	10.5	0.321	1.3273	1.257	2.9053	0.0259	0.0143	0.0158	0.056
1189	11	10.6	0.3211	1.3277	1.2565	2.9053	0.0084	0.022	0.0074	0.0379
1190	10.6	10.6	0.3255	1.3282	1.2558	2.9094	0.0165	0.014	0.0072	0.0377
1191	11.2	10.6	0.3297	1.3278	1.2566	2.914	0.0265	-0.0017	0.0059	0.0308
1192	11.1	10.5	0.3318	1.328	1.2568	2.9165	0.0209	-0.0097	0.0071	0.0183
1193	10.8	10.5	0.3309	1.3284	1.2567	2.9159	0.0321	-0.0037	0.0119	0.0403
1194	10.6	10.4	0.3276	1.3283	1.2569	2.9128	0.0396	0.0167	0.0087	0.0649
1195	10.1	10.4	0.3263	1.3279	1.2566	2.9108	0.0485	0.0024	0.0072	0.0581
1196	10.3	10.4	0.3253	1.3271	1.2564	2.9088	0.0435	0.003	0.0168	0.0633
1197	10.2	10.4	0.3236	1.3266	1.2564	2.9066	0.044	0.021	0.0195	0.0845
1198	10.4	10.4	0.323	1.3252	1.2562	2.9044	0.0342	0.026	0.0193	0.0795
1199	10.2	10.4	0.3229	1.3243	1.2559	2.9031	0.021	0.0223	0.0131	0.0564
1200	10.2	10.3	0.3228	1.3245	1.2555	2.9028	0.0187	0.014	0.0105	0.0432
1201	9.7	10.2	0.3222	1.3246	1.2552	2.9021	0.0298	0.0187	0.012	0.0605
1202	9.82	10.2	0.3226	1.3247	1.2552	2.9025	0.04	0.0264	0.0145	0.081
1203	10.2	10.1	0.3249	1.325	1.2557	2.9057	0.0373	0.0344	0.0072	0.0789
1204	10.6	10.1	0.329	1.3262	1.2558	2.9111	0.0289	0.0472	0.0001	0.0763
1205	10.4	10.1	0.3329	1.3268	1.2559	2.9156	0.0298	0.0492	0.0136	0.0926
1206	10.7	10	0.3337	1.3264	1.2558	2.9159	0.0312	0.0528	0.0203	0.1043
1207	10.1	10	0.3328	1.327	1.2553	2.9151	0.0243	0.0694	0.019	0.1127
1208	9.56	9.96	0.3336	1.3272	1.2561	2.917	0.0172	0.062	0.0166	0.0957
1209	9.89	9.96	0.338	1.3279	1.2559	2.9218	0.0135	0.0568	0.0136	0.0839
1210	9.63	9.97	0.3372	1.3272	1.2562	2.9206	0.0225	0.0548	0.0079	0.0853
1211	9.66	10	0.3334	1.3281	1.2571	2.9185	0.0268	0.042	0.0047	0.0736
1212	10.1	10.1	0.3314	1.328	1.2573	2.9168	0.017	0.0294	0.0032	0.0497

1213	9.65	10.2	0.3298	1.3274	1.257	2.9142	0.0111	0.0251	0.005	0.0412
1214	9.96	10.2	0.3285	1.3264	1.2568	2.9116	0.0172	0.0326	-0.0008	0.049
1215	9.63	10.2	0.3278	1.3264	1.2566	2.9108	0.0208	0.0302	-0.003	0.048
1216	9.55	10.2	0.3264	1.3266	1.2566	2.9096	0.0297	0.0358	-0.0007	0.0649
1217	9.71	10.2	0.3262	1.3265	1.2566	2.9093	0.0323	0.0498	0.007	0.0891
1218	10.2	10.3	0.326	1.3261	1.2567	2.9089	0.0253	0.045	0.0058	0.0762
1219	10.4	10.3	0.3258	1.3257	1.2568	2.9083	0.0129	0.0478	0.0078	0.0684
1220	11	10.4	0.3253	1.3257	1.2568	2.9077	0.0221	0.0696	0.0107	0.1024
1221	11	10.5	0.3255	1.3262	1.2565	2.9081	0.0319	0.0853	0.0142	0.1314
1222	11.2	10.5	0.3259	1.3279	1.2569	2.9107	0.0267	0.0702	0.0214	0.1183
1223	10.9	10.5	0.3263	1.3291	1.2567	2.9121	0.011	0.0708	0.0225	0.1044
1224	10.8	10.5	0.3243	1.3297	1.2568	2.9108	0.0009	0.0579	0.0256	0.0844
1225	10.6	10.6	0.3226	1.3295	1.2568	2.9089	-0.0162	0.0451	0.0285	0.0575
1226	11	10.6	0.3226	1.329	1.2565	2.9081	-0.0135	0.0467	0.0314	0.0646
1227	10.6	10.7	0.3221	1.3283	1.2565	2.9069	-0.0054	0.0587	0.0239	0.0772
1228	10.9	10.7	0.3221	1.3277	1.2568	2.9066	0.0034	0.0536	0.0105	0.0675
1229	10.6	10.7	0.3215	1.3277	1.2567	2.906	0.0109	0.0582	0.0059	0.075
1230	10.7	10.6	0.3206	1.328	1.2563	2.9049	0.0086	0.0676	0.0121	0.0883
1231	10.4	10.6	0.3209	1.3289	1.2561	2.9058	0.0198	0.0706	0.0123	0.1026
1232	10.2	10.5	0.3212	1.33	1.2561	2.9073	0.0048	0.062	0.018	0.0848
1233	10.4	10.5	0.3214	1.3299	1.2561	2.9073	-0.0334	0.0562	0.0177	0.0404
1234	10.7	10.5	0.3215	1.3292	1.2564	2.9071	-0.0571	0.0534	0.013	0.0094
1235	10.7	10.5	0.3206	1.3279	1.2569	2.9053	-0.0775	0.0449	0.0083	-0.0243
1236	10.6	10.5	0.3197	1.328	1.2568	2.9045	-0.1047	0.041	0.0027	-0.061
1237	10.3	10.5	0.3201	1.3282	1.2558	2.9041	-0.1179	0.0286	0.0021	-0.0872
1238	10.1	10.5	0.3208	1.3275	1.2562	2.9044	-0.1032	0.0193	0.0017	-0.0822
1239	9.88	10.5	0.3198	1.3268	1.2559	2.9024	-0.0778	0.0173	0.0087	-0.0518
1240	10	10.4	0.3191	1.327	1.256	2.9021	-0.0723	0.0184	0.0068	-0.0472
1241	10.6	10.4	0.3191	1.3275	1.2561	2.9027	-0.0436	0.0218	-0.002	-0.0238
1242	10.5	10.4	0.3191	1.3278	1.256	2.9029	-0.0269	0.0163	0.0117	0.0011
1243	10.9	10.4	0.3197	1.3275	1.2564	2.9036	-0.0148	0.0218	0.0168	0.0237
1244	10.6	10.4	0.32	1.3284	1.2564	2.9049	-0.002	0.0163	0.0113	0.0256
1245	10.6	10.4	0.3205	1.3289	1.256	2.9054	-0.0155	0.0036	0.0093	-0.0027
1246	10.6	10.4	0.3215	1.3284	1.256	2.9059	-0.0199	-0.0032	0.0003	-0.0228
1247	10.5	10.4	0.3224	1.3276	1.2562	2.9062	-0.0084	-0.0122	-0.0034	-0.024
1248	10.1	10.4	0.3231	1.3274	1.2567	2.9072	-0.0044	-0.0194	-0.0046	-0.0283
1249	10.1	10.5	0.3229	1.3273	1.2567	2.9068	0.0036	-0.0406	-0.0031	-0.0401

1250	10.5	10.5	0.3221	1.3264	1.2562	2.9047	-0.0058	-0.0456	-0.0044	-0.0557
1251	10	10.5	0.3215	1.3258	1.2557	2.9031	-0.0075	-0.0346	-0.0065	-0.0486
1252	10.5	10.5	0.3216	1.3252	1.256	2.9028	-0.0123	-0.03	-0.0081	-0.0504
1253	10.4	10.4	0.3218	1.3246	1.2566	2.9029	-0.0064	-0.0233	-0.0072	-0.0369
1254	10.2	10.4	0.3215	1.3249	1.256	2.9024	0.0234	-0.0082	-0.0042	0.0109
1255	10.5	10.4	0.3214	1.3247	1.2556	2.9017	0.0631	0.0167	-0.0037	0.0761
1256	10.8	10.4	0.3215	1.3244	1.2555	2.9014	0.091	0.025	-0.0033	0.1127
1257	10.8	10.3	0.3223	1.3248	1.2557	2.9029	0.0912	0.0211	-0.0012	0.1111
1258	11	10.3	0.3229	1.3248	1.256	2.9038	0.0872	0.0287	-0.0043	0.1115
1259	10.6	10.3	0.3229	1.3252	1.2564	2.9045	0.0983	0.0369	0.0053	0.1405
1260	10.2	10.3	0.3226	1.3256	1.2565	2.9047	0.1486	0.0413	0.003	0.1929
1261	9.93	10.3	0.3223	1.3256	1.2565	2.9044	0.152	0.0404	0.0056	0.1979
1262	9.94	10.3	0.3221	1.3252	1.2561	2.9034	0.1181	0.0542	0.0216	0.1939
1263	10.5	10.3	0.3218	1.3246	1.2561	2.9024	0.0964	0.053	0.0238	0.1732
1264	10.3	10.3	0.3219	1.3235	1.2564	2.9017	0.0772	0.0422	0.0172	0.1366
1265	10.2	10.3	0.3219	1.3226	1.2565	2.901	0.0587	0.0265	0.0108	0.0961
1266	9.71	10.3	0.322	1.3219	1.2562	2.9001	0.0396	0.0212	0.0076	0.0684
1267	10.1	10.2	0.3216	1.3217	1.2563	2.8996	0.0212	0.0299	0.0103	0.0614
1268	10.1	10.2	0.3235	1.3213	1.2558	2.9006	0.0125	0.0245	0.0132	0.0502
1269	10.1	10.2	0.3239	1.3212	1.2554	2.9005	0.0094	0.0237	0.0169	0.0499
1270	10.2	10.2	0.3241	1.321	1.2555	2.9006	0.0086	0.0291	0.0181	0.0558
1271	10.3	10.3	0.3248	1.3223	1.2552	2.9022	0.0031	0.0252	0.0186	0.0468
1272	10.3	10.3	0.3256	1.3223	1.2551	2.903	-0.0061	0.0191	0.0159	0.0289
1273	10.6	10.3	0.3263	1.3227	1.2551	2.9041	-0.0077	0.0339	0.0195	0.0458
1274	10.5	10.2	0.3271	1.3238	1.2552	2.906	-0.0033	0.0466	0.0129	0.0562
1275	10.1	10.2	0.3271	1.3247	1.2553	2.9072	-0.0185	0.0501	0.0056	0.0372
1276	9.89	10.3	0.3269	1.3249	1.2559	2.9076	-0.021	0.0372	0.0051	0.0213
1277	9.95	10.4	0.3265	1.325	1.2569	2.9084	-0.0145	0.0224	0.0069	0.0148
1278	11	10.4	0.3249	1.3251	1.2571	2.907	-0.0135	0.0121	0.0079	0.0064
1279	10.4	10.4	0.3245	1.3254	1.2565	2.9065	-0.011	0.0041	0.0071	0.0003
1280	10.8	10.4	0.3233	1.3253	1.2562	2.9048	-0.0141	0.0063	0.0021	-0.0056
1281	10.4	10.5	0.3237	1.3259	1.2559	2.9055	-0.0121	0.005	-0.0047	-0.0118
1282	10.1	10.5	0.3257	1.3265	1.256	2.9083	0.0001	0.0134	-0.0065	0.007
1283	9.86	10.5	0.3262	1.3259	1.2562	2.9084	0.0055	0.0287	-0.0045	0.0297
1284	10.3	10.5	0.3268	1.326	1.2563	2.9091	0.0018	0.0255	-0.0036	0.0237
1285	10.8	10.6	0.3286	1.3259	1.2565	2.9111	0.01	0.0178	0.0013	0.0291
1286	11	10.6	0.3301	1.3259	1.2564	2.9124	0.0111	0.0106	0.0122	0.0339

1287	11	10.7	0.3304	1.326	1.2563	2.9127	-0.0008	0.0106	0.0156	0.0254
1288	10.7	10.6	0.3288	1.3256	1.2561	2.9105	0.0149	0.018	0.0044	0.0373
1289	10.4	10.6	0.3283	1.3258	1.2558	2.91	-0.0029	0.0143	0.0053	0.0167
1290	10.9	10.6	0.3298	1.326	1.256	2.9118	-0.0155	0.0104	0.0018	-0.0033
1291	11.3	10.6	0.3324	1.3261	1.2554	2.9139	-0.0183	0.0065	0.0075	-0.0043
1292	10.7	10.6	0.3333	1.3258	1.2551	2.9142	-0.0127	0.0104	0.0099	0.0075
1293	10.5	10.6	0.3311	1.3267	1.2556	2.9134	-0.007	0.0112	0.0055	0.0097
1294	11.1	10.6	0.3292	1.328	1.2559	2.9131	0.0009	0.0052	0.0097	0.0159
1295	10.9	10.6	0.3283	1.3283	1.2566	2.9131	0.0014	0.0127	0.0115	0.0256
1296	10.4	10.6	0.3261	1.3283	1.2567	2.9112	0.0034	0.0215	0.0069	0.0318
1297	10.5	10.5	0.324	1.3286	1.2568	2.9094	0.0126	0.0158	0.0037	0.0321
1298	10.3	10.5	0.3227	1.3292	1.2565	2.9084	0.0208	0.0039	0.0014	0.0261
1299	10.2	10.5	0.3235	1.3289	1.2563	2.9087	0.027	0.0002	0.0072	0.0344
1300	10.2	10.4	0.3235	1.328	1.2562	2.9076	0.0019	0.0067	0.0094	0.0179
1301	10.5	10.4	0.3234	1.3276	1.256	2.9071	-0.0223	-0.0062	0.008	-0.0205
1302	10.7	10.3	0.3232	1.3271	1.2559	2.9062	-0.0249	-0.0034	0.0003	-0.028
1303	10.4	10.3	0.3226	1.3259	1.2561	2.9046	-0.03	-0.0084	0.0009	-0.0375
1304	10.1	10.2	0.3227	1.3246	1.2562	2.9035	-0.0389	-0.0046	0.007	-0.0365
1305	10.3	10.2	0.3238	1.3243	1.2562	2.9043	-0.0662	0.0054	0.002	-0.0588
1306	9.98	10.1	0.3246	1.3243	1.2559	2.9048	-0.0856	0.0044	-0.0005	-0.0818
1307	10.3	10.1	0.324	1.3242	1.2557	2.9039	-0.0792	-0.0059	-0.001	-0.0861
1308	10.2	10.1	0.3238	1.3236	1.2556	2.9029	-0.047	-0.0013	0.0043	-0.044
1309	10	10	0.3231	1.3238	1.2556	2.9026	-0.0289	0.0079	0.0079	-0.0132
1310	9.75	9.97	0.322	1.3232	1.2556	2.9008	-0.0193	0.0182	0.0116	0.0105
1311	9.99	9.91	0.3215	1.3226	1.255	2.8992	-0.0106	0.0282	0.0145	0.0321
1312	9.53	9.84	0.3218	1.3227	1.255	2.8995	-0.0124	0.0275	0.0155	0.0306
1313	9.69	9.79	0.3221	1.3232	1.2553	2.9006	-0.0088	0.0214	0.0106	0.0232
1314	10.2	9.72	0.3226	1.3237	1.2557	2.902	-0.005	0.0081	0.0107	0.0138
1315	9.87	9.66	0.3239	1.3243	1.2558	2.904	-0.0014	-0.0014	0.0116	0.0088
1316	9.77	9.6	0.3243	1.3236	1.2556	2.9035	-0.0018	-0.0106	0.011	-0.0014
1317	9.58	9.52	0.3249	1.3241	1.2553	2.9043	0.0032	-0.0188	0.0089	-0.0067
1318	9.39	9.45	0.3251	1.3238	1.2551	2.9039	0.0002	-0.0187	0.0073	-0.0112
1319	9.39	9.4	0.3249	1.3228	1.255	2.9027	0.0151	-0.0216	-0.0043	-0.0109
1320	9.32	9.39	0.325	1.3232	1.2549	2.9031	0.0292	-0.0326	-0.0077	-0.0111
1321	9.43	9.37	0.3261	1.3243	1.2549	2.9052	0.0378	-0.0456	-0.0016	-0.0094
1322	9.35	9.36	0.3267	1.3245	1.2549	2.9062	0.049	-0.0358	-0.0054	0.0078
1323	8.8	9.35	0.3266	1.3245	1.2555	2.9065	0.0547	-0.0339	-0.0055	0.0154

1324	9.1	9.32	0.3262	1.3247	1.2562	2.9071	0.0516	-0.0233	-0.0044	0.0239
1325	8.86	9.32	0.3247	1.3257	1.2563	2.9068	0.0587	-0.0131	-0.0021	0.0436
1326	8.68	9.37	0.324	1.3268	1.2558	2.9066	0.0562	-0.007	-0.0033	0.0459
1327	8.78	9.42	0.3235	1.3271	1.2557	2.9063	0.0459	-0.0081	0.0028	0.0406
1328	9.19	9.46	0.3232	1.3273	1.2561	2.9066	0.0379	-0.01	0.0134	0.0414
1329	9.46	9.5	0.3229	1.3271	1.2565	2.9066	0.0169	-0.0081	0.014	0.0228
1330	9.64	9.52	0.3218	1.3275	1.2568	2.9061	0.0071	-0.006	0.0071	0.0081
1331	9.38	9.55	0.3208	1.3275	1.2567	2.9051	0.0039	-0.0043	0.0042	0.0038
1332	9.4	9.61	0.3207	1.3271	1.2566	2.9044	0.0192	0.006	0.0064	0.0317
1333	9.61	9.69	0.3212	1.3274	1.2564	2.905	0.0474	0.0119	0.0103	0.0696
1334	9.96	9.73	0.3205	1.3275	1.2562	2.9042	0.0484	0.0063	0.0162	0.0708
1335	10.8	9.8	0.3195	1.3268	1.2556	2.9019	0.0558	0.0041	0.0208	0.0807
1336	10.5	9.87	0.3198	1.3269	1.2552	2.9019	0.083	0.0072	0.0223	0.1125
1337	10.2	9.94	0.3186	1.3264	1.2553	2.9004	0.1004	0.01	0.0175	0.1279
1338	10	9.98	0.321	1.3261	1.2556	2.9028	0.1099	0.0123	0.0184	0.1406
1339	9.66	9.99	0.3213	1.3257	1.2557	2.9028	0.104	0.0051	0.0158	0.1249
1340	10.1	10	0.3209	1.3264	1.2553	2.9025	0.1045	0.0012	0.0093	0.1151
1341	10.5	10.1	0.3204	1.3265	1.2551	2.9019	0.1156	0.0002	0.0128	0.1285
1342	10.3	10.1	0.3198	1.3267	1.2554	2.9019	0.1347	-0.0009	0.0046	0.1385
1343	9.87	10.2	0.3196	1.3269	1.2555	2.902	0.1416	-0.017	-0.0007	0.1239
1344	10.1	10.2	0.3199	1.3272	1.2553	2.9023	0.1187	-0.0101	0.0029	0.1115
1345	10.1	10.1	0.3201	1.3268	1.2553	2.9022	0.0967	0.0041	0.0064	0.1072
1346	10.1	10.1	0.3203	1.3269	1.2556	2.9027	0.0881	0.0131	0.0162	0.1174
1347	9.89	10.1	0.3203	1.3272	1.2561	2.9036	0.0777	0.018	0.019	0.1147
1348	9.65	10.1	0.3204	1.3274	1.2559	2.9038	0.0648	0.0349	0.0172	0.1169
1349	10.6	10.1	0.3227	1.3266	1.2557	2.905	0.0438	0.0384	0.0151	0.0974
1350	10.2	10.1	0.3243	1.327	1.2554	2.9067	0.0509	0.0446	0.0142	0.1097
1351	10.6	10.1	0.324	1.3262	1.2557	2.9059	0.0543	0.0439	0.0101	0.1084
1352	9.87	10.1	0.3246	1.326	1.2559	2.9065	0.0562	0.0389	0.0066	0.1017
1353	10.1	10	0.3257	1.325	1.2559	2.9066	0.0519	0.0304	0.0013	0.0835
1354	9.87	10	0.3281	1.3244	1.2558	2.9083	0.0461	0.0144	0.0041	0.0646
1355	9.65	9.98	0.3299	1.3242	1.2557	2.9099	0.0432	-0.0047	0.0043	0.0428
1356	9.85	9.95	0.3294	1.325	1.2556	2.91	0.0464	-0.0123	0.0038	0.0379
1357	10.4	9.94	0.3271	1.325	1.2553	2.9073	0.053	-0.0033	0.0054	0.0551
1358	10.5	9.93	0.3258	1.324	1.2553	2.9051	0.0456	-0.0037	0.0005	0.0424
1359	10.1	9.87	0.3248	1.3234	1.2552	2.9035	0.0496	-0.0186	0	0.031
1360	9.79	9.83	0.3237	1.3228	1.2551	2.9015	0.0483	-0.0165	-0.0038	0.028

1361	9.63	9.78	0.3236	1.3229	1.2549	2.9013	0.0354	-0.0266	-0.0004	0.0084
1362	9.66	9.76	0.3229	1.323	1.2551	2.901	0.023	-0.0317	-0.0023	-0.011
1363	9.64	9.72	0.3223	1.3238	1.255	2.901	0.0235	-0.0352	0.0013	-0.0104
1364	9.43	9.68	0.322	1.3237	1.2552	2.9009	0.0256	-0.0341	0.0023	-0.0061
1365	9.59	9.65	0.3221	1.3237	1.2554	2.9011	0.0332	-0.0273	0.0038	0.0096
1366	9.72	9.61	0.3217	1.3238	1.2553	2.9008	0.0458	-0.0203	0.0045	0.03
1367	9.44	9.56	0.3216	1.3236	1.2555	2.9007	0.0437	-0.0245	0.0029	0.0221
1368	9.46	9.51	0.322	1.3234	1.2562	2.9017	0.0476	-0.0181	0.0001	0.0297
1369	9.32	9.5	0.321	1.3245	1.2561	2.9016	0.0522	-0.0084	-0.0024	0.0414
1370	9.67	9.5	0.3203	1.3256	1.2556	2.9016	0.0527	-0.0095	-0.0015	0.0417
1371	9.48	9.52	0.3199	1.3259	1.2557	2.9015	0.0555	0.0063	-0.0035	0.0583
1372	9.45	9.54	0.3201	1.3257	1.2556	2.9015	0.0626	0.0261	-0.0057	0.083
1373	9.05	9.54	0.3211	1.325	1.2555	2.9017	0.0652	0.0098	-0.0041	0.0709
1374	9.01	9.55	0.3212	1.3251	1.2554	2.9017	0.0598	-0.0009	0.0056	0.0646
1375	9.26	9.56	0.3215	1.3254	1.2557	2.9026	0.0545	0.0042	0.0141	0.0728
1376	9.32	9.58	0.3223	1.3257	1.2556	2.9036	0.0379	0.0126	0.0114	0.0619
1377	9.68	9.62	0.3228	1.326	1.2555	2.9043	0.031	0.0215	0.0048	0.0573
1378	9.81	9.67	0.3232	1.3259	1.2557	2.9047	0.017	0.0246	0.0067	0.0484
1379	9.83	9.72	0.3238	1.326	1.2558	2.9056	0.0129	0.0298	0.0109	0.0536
1380	9.97	9.74	0.3229	1.3257	1.2558	2.9044	0.0123	0.0375	0.0163	0.0661
1381	10	9.76	0.3218	1.3253	1.2553	2.9023	-0.0008	0.0447	0.022	0.0658
1382	9.71	9.79	0.321	1.3253	1.255	2.9013	-0.0191	0.0469	0.0196	0.0475
1383	9.55	9.85	0.3214	1.3253	1.2546	2.9013	-0.0306	0.0497	0.0168	0.0359
1384	9.92	9.93	0.3212	1.3255	1.2542	2.901	-0.0285	0.0621	0.0176	0.0512
1385	10.1	10	0.3203	1.3252	1.2543	2.8999	-0.0362	0.0584	0.0125	0.0347
1386	10.2	10.1	0.3201	1.3249	1.2546	2.8997	-0.054	0.0436	0.0071	-0.0032
1387	10.3	10.1	0.3195	1.3247	1.2545	2.8987	-0.0457	0.0467	0.0057	0.0068
1388	10.2	10.1	0.3184	1.3251	1.2545	2.898	-0.0597	0.038	0.0081	-0.0136
1389	10.2	10.1	0.3179	1.3257	1.2549	2.8985	-0.0356	0.0284	0.0072	-0.0001
1390	9.91	10.1	0.3183	1.326	1.2547	2.899	-0.0361	0.0267	0.0057	-0.0036
1391	9.85	10.2	0.3189	1.3262	1.2549	2.9001	-0.0439	0.033	-0.0034	-0.0143
1392	10.2	10.3	0.3191	1.3275	1.2552	2.9018	-0.0497	0.0274	-0.0095	-0.0317
1393	10.7	10.3	0.3192	1.3277	1.2553	2.9022	-0.0506	0.0199	-0.0029	-0.0337
1394	10.8	10.4	0.3195	1.3276	1.2553	2.9023	-0.0467	0.0163	0.0004	-0.0299
1395	9.97	10.4	0.3195	1.3269	1.255	2.9014	-0.0389	0.0238	0.0009	-0.0141
1396	9.89	10.4	0.3184	1.3265	1.2548	2.8997	-0.0315	0.027	-0.0019	-0.0065
1397	10.1	10.4	0.3175	1.3251	1.2551	2.8977	-0.0243	0.0285	-0.0019	0.0023

1398	10.3	10.5	0.3183	1.3254	1.255	2.8987	-0.0162	0.0333	0.0052	0.0223
1399	10.3	10.5	0.3184	1.3244	1.2549	2.8977	-0.0311	0.0353	0.0111	0.0152
1400	11.1	10.5	0.3181	1.3236	1.2551	2.8968	-0.0138	0.0348	0.0075	0.0285
1401	11.2	10.5	0.3178	1.3238	1.2554	2.8969	0.0235	0.0404	0.0014	0.0653
1402	10.9	10.4	0.318	1.324	1.2558	2.8978	0.0238	0.0275	0.0076	0.0589
1403	10.8	10.4	0.318	1.3244	1.2557	2.8981	0.0118	0.0228	0.011	0.0455
1404	10.4	10.3	0.3184	1.325	1.2558	2.8992	-0.009	0.0197	0.0118	0.0225
1405	10.6	10.4	0.3192	1.3255	1.2558	2.9005	0.0399	0.01	0.0089	0.0589
1406	10.4	10.4	0.3193	1.3246	1.2554	2.8993	0.0656	0.0051	0.0105	0.0811
1407	10.8	10.5	0.3195	1.3245	1.2557	2.8997	0.0335	0.0091	0.0117	0.0543
1408	10.3	10.5	0.3188	1.3254	1.2556	2.8998	-0.0344	-0.0133	0.0101	-0.0375
1409	10.1	10.5	0.3183	1.3255	1.256	2.8998	-0.0596	-0.0275	0.0122	-0.0749
1410	9.65	10.5	0.3185	1.3258	1.2557	2.9	-0.0603	-0.0285	0.0106	-0.0782
1411	9.81	10.4	0.3192	1.3258	1.2552	2.9003	-0.0594	-0.0252	0.0059	-0.0787
1412	9.8	10.4	0.3194	1.3262	1.2548	2.9005	-0.0545	-0.017	0.0022	-0.0692
1413	9.99	10.4	0.3195	1.3266	1.255	2.9012	-0.0477	-0.0176	0.0042	-0.0611
1414	10.3	10.4	0.3193	1.3264	1.2553	2.9011	-0.0367	-0.0199	0.0022	-0.0545
1415	10.8	10.5	0.3193	1.3263	1.2554	2.901	-0.0304	-0.0256	0.0072	-0.0489
1416	10.9	10.5	0.3199	1.3261	1.2553	2.9013	-0.0138	-0.0246	0.0077	-0.0308
1417	10.5	10.5	0.3202	1.3259	1.2553	2.9013	-0.0073	-0.0187	0.0057	-0.0203
1418	11	10.5	0.3198	1.3246	1.2553	2.8997	0	-0.0182	0.0053	-0.013
1419	10.5	10.5	0.3196	1.3238	1.2552	2.8985	0.0091	-0.0206	0.011	-0.0005
1420	10.5	10.6	0.3194	1.3225	1.2553	2.8972	0.0002	-0.011	0.0129	0.0022
1421	10.9	10.6	0.3198	1.3216	1.2555	2.897	-0.0054	0.0005	0.007	0.0021
1422	10.8	10.6	0.3202	1.3236	1.2553	2.8991	-0.0025	0.0035	0.0077	0.0087
1423	10.7	10.6	0.3206	1.3245	1.2549	2.9	0.0015	0.0025	0.0119	0.0158
1424	11.3	10.6	0.3207	1.3243	1.2548	2.8998	0.0022	-0.0043	0.0114	0.0093
1425	10.6	10.6	0.321	1.3245	1.2551	2.9006	-0.0025	-0.0029	0.0066	0.0013
1426	10.4	10.6	0.3209	1.3246	1.2553	2.9009	-0.0035	0.0051	0.0071	0.0087
1427	10.7	10.6	0.3218	1.3246	1.2551	2.9014	-0.0015	0.0155	0.0082	0.0222
1428	10.6	10.5	0.3219	1.3243	1.255	2.9012	0.0082	0.0217	0.0068	0.0367
1429	10.4	10.5	0.3217	1.3233	1.2549	2.8999	0.0222	0.0167	0.0072	0.0461
1430	10.6	10.5	0.3219	1.3231	1.2546	2.8995	0.0267	0.0134	0.0087	0.0488
1431	10.4	10.4	0.3227	1.3228	1.2548	2.9004	0.0139	0.0124	0.0094	0.0356
1432	10.1	10.3	0.3238	1.3222	1.2549	2.9008	0.0109	0.0068	0.0047	0.0224
1433	10.2	10.3	0.324	1.3212	1.2547	2.8999	0.0115	0.0026	0.0062	0.0202
1434	10.5	10.2	0.3242	1.3216	1.255	2.9007	0.0177	0.0048	0.0011	0.0237

1435	10.3	10.2	0.3249	1.3224	1.2549	2.9022	0.0077	0.0071	-0.0053	0.0095
1436	10	10.1	0.3244	1.3223	1.2546	2.9013	-0.0035	-0.0026	-0.0084	-0.0145
1437	10.6	10.1	0.3246	1.3226	1.2545	2.9017	-0.0116	-0.0004	-0.0041	-0.0161
1438	10.2	10.1	0.3246	1.3232	1.2549	2.9028	-0.0165	0.0047	-0.0042	-0.0159
1439	9.43	10.1	0.3249	1.323	1.2551	2.9031	-0.0189	0.0146	0.0003	-0.004
1440	9.31	10.1	0.3253	1.3231	1.2556	2.904	-0.0156	0.0214	0.005	0.0108
1441	9.44	10	0.3253	1.3237	1.256	2.9051	-0.0059	0.0308	0.0026	0.0275
1442	9.76	10	0.3249	1.3247	1.2557	2.9053	-0.0061	0.0272	0.0043	0.0254
1443	10.1	10.1	0.3243	1.3253	1.2554	2.905	-0.0165	0.0361	0.0063	0.026
1444	9.86	10.1	0.3238	1.3248	1.2552	2.9037	-0.025	0.0318	0.0087	0.0154
1445	10.1	10.1	0.3233	1.3241	1.2555	2.9028	-0.0347	0.0223	0.0066	-0.0058
1446	10.2	10.1	0.3227	1.324	1.2558	2.9025	-0.033	0.014	-0.0015	-0.0205
1447	10	10.1	0.3219	1.3239	1.2556	2.9014	-0.0415	0.0145	-0.0009	-0.0278
1448	10.4	10.1	0.3235	1.3239	1.2548	2.9022	-0.0459	0.0014	-0.0001	-0.0445
1449	10.3	10.2	0.3241	1.3231	1.255	2.9022	-0.0338	0.002	-0.0036	-0.0354
1450	10.2	10.3	0.3219	1.323	1.2553	2.9002	-0.0226	-0.0069	-0.0003	-0.0299
1451	10.1	10.3	0.3217	1.3234	1.255	2.9	-0.0223	-0.0096	0.0046	-0.0272
1452	10.4	10.4	0.3234	1.3237	1.2548	2.902	-0.0217	-0.0025	0.0082	-0.0161
1453	10.4	10.4	0.3266	1.3231	1.2547	2.9043	-0.0232	0.003	0.0141	-0.0062
1454	10.4	10.4	0.3241	1.3234	1.2549	2.9024	-0.0273	0.0116	0.012	-0.0037
1455	10.3	10.4	0.3234	1.3237	1.2547	2.9018	-0.0242	0.0309	0.0126	0.0193
1456	11.1	10.5	0.3261	1.3241	1.2544	2.9046	-0.016	0.0385	0.0115	0.034
1457	11	10.5	0.3305	1.3263	1.2543	2.9111	-0.0148	0.0334	0.0109	0.0295
1458	10.9	10.5	0.3318	1.3267	1.254	2.9126	-0.0142	0.0368	0.0126	0.0351
1459	10.7	10.5	0.3308	1.3263	1.2542	2.9113	-0.0307	0.0436	0.013	0.026
1460	10.2	10.6	0.3296	1.3253	1.2545	2.9094	-0.035	0.0401	0.0189	0.0241
1461	10.4	10.6	0.329	1.3245	1.2547	2.9082	-0.0282	0.035	0.0166	0.0234
1462	10.4	10.6	0.3277	1.3248	1.2546	2.9071	-0.0117	0.0325	0.0112	0.032
1463	10.5	10.7	0.3259	1.3258	1.2548	2.9065	-0.0149	0.0477	0.0072	0.04
1464	10.5	10.7	0.325	1.3262	1.2545	2.9057	-0.0298	0.0509	0.0093	0.0304
1465	10.8	10.7	0.3235	1.3261	1.2546	2.9042	-0.0405	0.0567	0.0122	0.0284
1466	10.8	10.7	0.3224	1.3257	1.2547	2.9028	-0.0468	0.0533	0.0096	0.0162
1467	10.6	10.7	0.3216	1.3254	1.255	2.902	-0.0368	0.0475	0.0108	0.0215
1468	10.7	10.7	0.3211	1.3255	1.2552	2.9017	-0.0338	0.0478	0.015	0.029
1469	10.9	10.7	0.321	1.3256	1.2549	2.9014	-0.0369	0.0331	0.0154	0.0115
1470	10.7	10.8	0.3209	1.3256	1.2549	2.9013	-0.0445	0.021	0.0151	-0.0084
1471	10.7	10.8	0.3202	1.3255	1.2549	2.9006	-0.047	0.0034	0.0141	-0.0296

1472	11	10.8	0.32	1.3255	1.2545	2.8999	-0.048	-0.0084	0.0151	-0.0413
1473	11	10.8	0.3209	1.3255	1.2544	2.9007	-0.0493	0.0114	0.0142	-0.0237
1474	10.5	10.8	0.3215	1.3254	1.2547	2.9016	-0.0566	0.0252	0.009	-0.0223
1475	10.5	10.8	0.3219	1.3249	1.255	2.9017	-0.068	0.0238	0.0056	-0.0387
1476	10.9	10.8	0.3224	1.3241	1.2548	2.9014	-0.0679	0.0211	0.0038	-0.043
1477	11.2	10.8	0.3219	1.3239	1.2548	2.9006	-0.0556	0.011	0.0033	-0.0413
1478	11.3	10.8	0.321	1.3242	1.255	2.9001	-0.0349	-0.0018	0.0044	-0.0323
1479	11.4	10.8	0.3211	1.3247	1.2549	2.9008	-0.0251	-0.004	0.0042	-0.0248
1480	11	10.8	0.3215	1.3245	1.2548	2.9008	-0.0248	-0.0089	0.0003	-0.0334
1481	10.8	10.8	0.3207	1.3246	1.2548	2.9001	-0.018	-0.0008	-0.0081	-0.0268
1482	10.6	10.8	0.3198	1.3251	1.2544	2.8993	-0.006	-0.0054	-0.0073	-0.0187
1483	10.5	10.7	0.3196	1.3248	1.2545	2.8989	0.0147	-0.0223	-0.0045	-0.0121
1484	10.7	10.7	0.3205	1.3248	1.2548	2.9001	0.0291	-0.0303	-0.0019	-0.0032
1485	10.6	10.8	0.3207	1.3255	1.2552	2.9013	0.0306	-0.0226	0.0037	0.0117
1486	10.6	10.8	0.3213	1.325	1.255	2.9013	0.0436	0.0005	0.0014	0.0454
1487	10.5	10.8	0.3211	1.3243	1.2549	2.9003	0.0172	-0.009	-0.0019	0.0064
1488	11.3	10.7	0.3203	1.3237	1.2545	2.8984	0.01	-0.0119	-0.006	-0.0079
1489	10.4	10.7	0.3194	1.3236	1.2544	2.8974	0.0123	-0.0049	-0.0013	0.0061
1490	10.5	10.7	0.3189	1.3229	1.2544	2.8962	0.025	-0.0135	0.0055	0.017
1491	10.3	10.7	0.3195	1.3235	1.2545	2.8976	0.0298	-0.017	0.0091	0.0219
1492	10.5	10.7	0.3207	1.3239	1.2546	2.8992	0.0242	-0.0146	0.0108	0.0204
1493	10.7	10.7	0.3217	1.3246	1.2544	2.9007	0.0135	0.0015	0.0088	0.0238
1494	10.7	10.7	0.323	1.3253	1.2546	2.9029	-0.0014	0.0076	0.0053	0.0116
1495	11.1	10.6	0.3228	1.3255	1.2551	2.9034	-0.0043	0.0033	0.0074	0.0064
1496	11	10.7	0.3225	1.325	1.2549	2.9025	-0.0111	0.0096	0.012	0.0106
1497	11	10.7	0.3221	1.3249	1.2551	2.9022	-0.0092	0.0096	0.0173	0.0177
1498	10.4	10.7	0.3217	1.3252	1.2554	2.9022	-0.0077	0.0081	0.0158	0.0161
1499	10.5	10.7	0.3207	1.3251	1.2549	2.9007	0.0026	0.0077	0.0053	0.0156
1500	10.8	10.7	0.3203	1.3245	1.2547	2.8995	0.0045	-0.0006	0.0055	0.0094
1501	10.6	10.7	0.32	1.324	1.2546	2.8985	-0.0122	-0.0019	0.0091	-0.005
1502	10.7	10.7	0.3203	1.3237	1.2544	2.8985	-0.0092	0.0031	0.0039	-0.0022
1503	10.2	10.7	0.3207	1.3233	1.2545	2.8985	0.0229	0.0102	0.0028	0.0359
1504	10.2	10.7	0.3208	1.3219	1.2545	2.8972	0.0615	0.0063	0.0062	0.0741
1505	11	10.7	0.3208	1.3216	1.2547	2.8971	0.0296	0.0081	0.0098	0.0476
1506	11.3	10.7	0.3208	1.3212	1.2543	2.8963	0.0207	0.0211	0.0051	0.0469
1507	10.8	10.7	0.3209	1.3209	1.2544	2.8962	0.0477	0.0292	-0.0014	0.0754
1508	10.5	10.6	0.3219	1.3211	1.2543	2.8973	0.092	0.0467	0.0015	0.1401

1509	11	10.6	0.3218	1.3214	1.2541	2.8973	0.08	0.0539	-0.0007	0.1332
1510	10.4	10.6	0.3213	1.3223	1.254	2.8976	0.0644	0.0433	-0.0023	0.1053
1511	10.9	10.6	0.3204	1.3225	1.2541	2.8971	0.0614	0.0357	-0.004	0.0931
1512	10.7	10.6	0.3209	1.3215	1.2541	2.8965	0.07	0.0268	0.0015	0.0983
1513	10.6	10.6	0.3225	1.3215	1.2541	2.8981	0.0567	0.0239	0.0032	0.0838
1514	10.5	10.6	0.3233	1.3208	1.2541	2.8982	0.0393	0.0354	0.0051	0.0798
1515	10.5	10.6	0.324	1.321	1.2544	2.8993	0.0303	0.0438	0.0051	0.0792
1516	10.6	10.5	0.3236	1.3213	1.2542	2.8991	0.0017	0.0474	0.0047	0.0539
1517	10.1	10.5	0.3236	1.3211	1.2538	2.8985	-0.0028	0.0386	0.0043	0.0402
1518	10.2	10.6	0.3235	1.3213	1.2538	2.8986	-0.0046	0.0287	0.0129	0.037
1519	10.3	10.5	0.3241	1.3217	1.2536	2.8994	-0.0151	0.024	0.0163	0.0252
1520	10.3	10.5	0.3241	1.3222	1.2539	2.9002	-0.0214	0.0173	0.0097	0.0056
1521	10.4	10.5	0.3246	1.3225	1.254	2.9011	-0.0351	0.0132	0.0078	-0.0141
1522	10.5	10.5	0.3251	1.3224	1.2539	2.9014	-0.0546	0.0109	0.0039	-0.0398
1523	10.7	10.5	0.3263	1.322	1.254	2.9023	-0.0548	0.0163	-0.0032	-0.0417
1524	10.6	10.5	0.3275	1.3219	1.2543	2.9037	-0.0392	0.015	-0.0001	-0.0243
1525	10.8	10.6	0.3277	1.3224	1.2548	2.9049	-0.0234	0.0114	-0.0002	-0.0123
1526	10.5	10.6	0.3265	1.3235	1.255	2.905	-0.022	0.0063	-0.0011	-0.0168
1527	11	10.6	0.3252	1.3248	1.2546	2.9047	-0.0402	0.0044	0.0002	-0.0356
1528	10.7	10.6	0.3244	1.3247	1.2546	2.9037	-0.0697	0.0076	0	-0.0622
1529	10.5	10.7	0.3242	1.3242	1.2548	2.9033	-0.0934	0.011	0.0017	-0.0807
1530	10.3	10.7	0.3237	1.3231	1.2554	2.9022	-0.0929	0.0136	0.0037	-0.0756
1531	10.5	10.8	0.3233	1.3234	1.2555	2.9022	-0.0795	0.0131	0.0032	-0.0632
1532	10.5	10.8	0.3223	1.3244	1.2553	2.902	-0.0677	0.0224	0.0041	-0.0412
1533	11.5	10.8	0.3211	1.3242	1.2549	2.9002	-0.0642	0.0302	0.0004	-0.0336
1534	11	10.9	0.3211	1.3239	1.2546	2.8996	-0.0498	0.0266	0.0034	-0.0197
1535	10.9	10.9	0.3205	1.3224	1.2548	2.8977	-0.02	0.0306	0.0054	0.016
1536	10.8	10.9	0.3226	1.3232	1.2548	2.9006	-0.0066	0.0342	0.0102	0.0379
1537	10.7	10.9	0.3236	1.3238	1.2551	2.9025	0.0086	0.0248	0.0127	0.0462
1538	10.9	11	0.3234	1.3237	1.255	2.9022	0.0052	0.021	0.0101	0.0362
1539	11.1	11	0.3224	1.3244	1.2546	2.9014	0.0036	0.015	0.002	0.0207
1540	11.1	11.1	0.3223	1.3248	1.2547	2.9018	-0.0062	0.0141	0.0031	0.011
1541	11.4	11.1	0.3229	1.3252	1.2549	2.9031	-0.0184	-0.0015	0.0038	-0.0161
1542	11.3	11.1	0.3236	1.3245	1.2549	2.9029	-0.0184	0.0113	0.0027	-0.0043
1543	11.4	11.1	0.3244	1.3245	1.2549	2.9038	-0.0065	0.0112	0.0022	0.0069
1544	10.7	11.1	0.3242	1.3245	1.2545	2.9031	0.012	0.0196	0.0022	0.0338
1545	11.1	11.2	0.3244	1.3231	1.2543	2.9018	0.0299	0.0311	0.007	0.0679

1546	11.4	11.2	0.3236	1.3231	1.254	2.9007	0.0311	0.0378	0.0159	0.0849
1547	11.6	11.2	0.3227	1.3231	1.254	2.8997	0.0354	0.0385	0.0125	0.0863
1548	11.6	11.2	0.3232	1.3231	1.2543	2.9007	0.0304	0.0416	0.0144	0.0864
1549	11.4	11.2	0.3236	1.3232	1.2544	2.9012	0.0168	0.0438	0.0186	0.0792
1550	11.2	11.2	0.3232	1.3232	1.2543	2.9007	-0.0029	0.0387	0.012	0.0478
1551	10.8	11.1	0.3226	1.3231	1.2546	2.9002	-0.0025	0.0235	0.0071	0.0282
1552	10.8	11.1	0.3211	1.3227	1.2545	2.8984	0	0.0113	0.0118	0.0231
1553	11.4	11.1	0.3204	1.3224	1.2541	2.8969	-0.0024	0.0087	0.0073	0.0136
1554	11.8	11.1	0.3212	1.3226	1.2539	2.8976	0.01	0.0064	0.0059	0.0223
1555	11.2	11.1	0.3213	1.3216	1.2541	2.8971	0.0089	0.0002	0.0043	0.0134
1556	11.2	11	0.3213	1.3212	1.2545	2.897	0.0091	0.0009	0.0082	0.0182
1557	10.8	11	0.3213	1.3216	1.2541	2.8971	0.0158	-0.0032	0.0077	0.0203
1558	10.7	11	0.3238	1.3214	1.2541	2.8993	0.0144	-0.0143	0.0102	0.0103
1559	10.4	10.9	0.3244	1.3219	1.2544	2.9007	0.023	-0.0244	0.0053	0.004
1560	10.4	10.9	0.3235	1.3218	1.2549	2.9001	0.0276	-0.0258	-0.0016	0.0002
1561	10.7	10.9	0.322	1.3219	1.2546	2.8984	0.0192	-0.0193	-0.0055	-0.0055
1562	11.2	11	0.322	1.3224	1.2543	2.8988	0.006	-0.0231	-0.0029	-0.02
1563	11.4	11	0.322	1.3222	1.2543	2.8985	0.008	-0.0368	-0.0004	-0.0292
1564	10.6	11	0.322	1.3218	1.254	2.8978	0.0261	-0.0378	-0.0007	-0.0124
1565	10.4	11	0.3233	1.3214	1.2542	2.8988	0.0378	-0.0503	-0.0009	-0.0133
1566	10.7	11	0.3227	1.3218	1.2543	2.8988	0.0454	-0.0432	-0.0005	0.0017
1567	10.8	11	0.3221	1.3225	1.2537	2.8983	0.0349	-0.034	-0.0028	-0.0019
1568	10.7	11	0.3226	1.3231	1.2535	2.8992	0.0346	-0.0337	-0.0013	-0.0004
1569	11.2	11.1	0.3231	1.3239	1.2539	2.9008	0.0283	-0.0165	-0.0014	0.0104
1570	11.1	11.1	0.3244	1.3242	1.2542	2.9027	0.0359	-0.0173	-0.0047	0.0139
1571	11.7	11.1	0.3256	1.3244	1.2545	2.9046	0.0381	-0.016	-0.0032	0.0189
1572	11.5	11.1	0.3254	1.3238	1.2548	2.904	0.0503	-0.011	-0.0001	0.0393
1573	11.7	11.1	0.3248	1.3239	1.2544	2.9032	0.068	-0.0139	-0.0003	0.0538
1574	11	11.2	0.3238	1.3243	1.2547	2.9028	0.0822	-0.0082	0.0006	0.0747
1575	11.2	11.2	0.3241	1.3243	1.2551	2.9034	0.0879	-0.0033	0.0026	0.0872
1576	11.1	11.3	0.3264	1.3237	1.2548	2.9049	0.0869	0.0002	0.0066	0.0936
1577	11.4	11.3	0.3289	1.3231	1.2548	2.9068	0.0771	0.016	0.0121	0.1051
1578	11.6	11.4	0.3303	1.3231	1.2548	2.9082	0.0616	0.0325	0.0093	0.1035
1579	11.2	11.4	0.3304	1.3234	1.2546	2.9083	0.049	0.0349	0.0088	0.0927
1580	11.1	11.4	0.3295	1.3232	1.2545	2.9071	0.0455	0.0323	0.0145	0.0923
1581	11.5	11.4	0.3274	1.3223	1.2544	2.9042	0.0286	0.0266	0.0211	0.0763
1582	11.5	11.3	0.3263	1.322	1.2544	2.9027	0.019	0.0354	0.022	0.0764

1583	11.7	11.3	0.3246	1.3222	1.2541	2.9009	0.0135	0.0435	0.0222	0.0792
1584	11.2	11.2	0.3225	1.3218	1.2542	2.8985	0.0083	0.0445	0.0156	0.0683
1585	11.6	11.2	0.3213	1.3221	1.2541	2.8975	0.0148	0.0439	0.0176	0.0762
1586	11.3	11.2	0.3204	1.3225	1.2537	2.8966	0.0078	0.0231	0.0133	0.0441
1587	11.6	11.1	0.3206	1.3222	1.2539	2.8966	0.0326	0.0168	0.0151	0.0646
1588	11.3	11.1	0.3199	1.3221	1.2543	2.8963	0.041	0.0178	0.0183	0.0771
1589	11.6	11.1	0.3201	1.3222	1.2541	2.8963	0.0334	0.0172	0.0181	0.0687
1590	11.1	11.1	0.3207	1.3231	1.254	2.8978	0.0206	0.0264	0.0126	0.0596
1591	10.7	11	0.3214	1.3224	1.2542	2.898	0.0144	0.0335	0.0119	0.0598
1592	10.7	11	0.3214	1.3228	1.2543	2.8985	0.0185	0.0375	0.0151	0.0711
1593	10.5	10.9	0.3205	1.3226	1.2542	2.8973	0.0258	0.031	0.0156	0.0724
1594	10.1	10.9	0.32	1.3222	1.2539	2.8961	0.0309	0.0306	0.0179	0.0793
1595	10.5	10.9	0.3196	1.3217	1.2535	2.8949	0.0284	0.0345	0.0123	0.0752
1596	11	10.8	0.319	1.3212	1.2537	2.8938	0.0309	0.0179	0.0087	0.0575
1597	10.8	10.8	0.3191	1.3208	1.2537	2.8935	0.0223	0.016	0.0065	0.0448
1598	10.8	10.7	0.32	1.3208	1.2535	2.8943	0.0196	0.0141	-0.0007	0.033
1599	10.8	10.7	0.321	1.3212	1.2537	2.8959	0.0283	0.007	0.0011	0.0364
1600	11	10.6	0.3205	1.3222	1.254	2.8967	0.0299	0.0199	0.0024	0.0522
1601	10.4	10.6	0.32	1.3229	1.2534	2.8962	0.0221	0.0233	0.0047	0.05
1602	10.9	10.6	0.3206	1.3229	1.2537	2.8971	0.0172	0.0203	0.0074	0.0448
1603	11	10.6	0.3197	1.3226	1.2539	2.8962	-0.0004	0.0112	0.0062	0.017
1604	10.8	10.7	0.3199	1.3219	1.2541	2.8959	-0.0024	0.0065	0.001	0.0051
1605	10.4	10.7	0.3199	1.3215	1.2539	2.8953	0.0027	0.0099	-0.002	0.0106
1606	10.4	10.6	0.3192	1.3216	1.2535	2.8943	0.0052	-0.0019	0.0019	0.0052
1607	10.5	10.6	0.3195	1.3223	1.2534	2.8951	0.0104	-0.0056	0.0091	0.014
1608	10.4	10.6	0.3196	1.3235	1.2538	2.8969	0.0124	-0.0004	0.0058	0.0177
1609	10.2	10.7	0.319	1.324	1.2543	2.8973	0.039	-0.0126	0.0057	0.0321
1610	10.8	10.7	0.3194	1.3243	1.2545	2.8982	0.0465	-0.0065	0.0084	0.0484
1611	10.9	10.8	0.3198	1.3249	1.2544	2.8991	0.0294	-0.0159	0.0103	0.0238
1612	10.6	10.8	0.3201	1.3251	1.2541	2.8994	0.0182	-0.0229	0.0082	0.0035
1613	10.5	10.8	0.3199	1.3253	1.2542	2.8994	0.0232	-0.0147	0.0053	0.0138
1614	10.6	10.8	0.3196	1.3258	1.2542	2.8995	0.0229	-0.0143	0.0049	0.0134
1615	10.7	10.8	0.3194	1.3253	1.2544	2.8992	0.0159	-0.0216	0.0008	-0.005
1616	10.5	10.9	0.3201	1.3247	1.2545	2.8993	0.0257	-0.0182	0.0045	0.012
1617	10.8	10.9	0.3201	1.3245	1.2539	2.8985	0.0332	-0.0118	0.0068	0.0282
1618	12.3	11	0.3207	1.323	1.2539	2.8976	0.0326	-0.0132	0.003	0.0225
1619	11.3	11	0.3205	1.3234	1.2541	2.898	0.0355	-0.0133	-0.0025	0.0197

1620	11.2	11	0.3203	1.3238	1.2542	2.8983	0.0385	-0.0118	0.0034	0.0302
1621	10.9	11	0.3196	1.3236	1.254	2.8972	0.0527	-0.0031	0.0072	0.0567
1622	11	11	0.3183	1.3238	1.2539	2.8961	0.0661	0.0082	0.0069	0.0812
1623	11	11.1	0.318	1.3228	1.2539	2.8948	0.0649	0.0112	0.0103	0.0864
1624	11.4	11.1	0.3187	1.3222	1.254	2.895	0.0564	0.0205	0.0092	0.0861
1625	11.6	11.1	0.3191	1.3224	1.2541	2.8955	0.0438	0.0283	0.0139	0.086
1626	11.4	11.1	0.3188	1.3219	1.2538	2.8945	0.0498	0.0356	0.0155	0.1009
1627	10.9	11.1	0.3191	1.3215	1.2537	2.8943	0.0716	0.034	0.012	0.1176
1628	10.8	11	0.3195	1.3212	1.2537	2.8944	0.0999	0.0317	0.0163	0.1479
1629	10.6	11	0.3196	1.321	1.2534	2.8941	0.1159	0.0306	0.0161	0.1626
1630	10.9	11	0.3208	1.3205	1.2533	2.8946	0.1144	0.0257	0.0145	0.1546
1631	11.5	10.9	0.3214	1.3198	1.2533	2.8946	0.096	0.0114	0.014	0.1214
1632	10.6	10.9	0.3209	1.32	1.2531	2.8941	0.0608	0.0111	0.0057	0.0776
1633	10.7	10.9	0.3203	1.3197	1.2533	2.8933	0.0364	0.0097	0.0028	0.049
1634	10.7	10.8	0.3196	1.3195	1.2529	2.8919	0.0174	0.0026	0.0023	0.0222
1635	10.8	10.8	0.3197	1.3201	1.2535	2.8933	-0.0111	-0.0006	0.0027	-0.0089
1636	10.8	10.8	0.3194	1.3215	1.2533	2.8942	-0.0236	0.0012	-0.0003	-0.0227
1637	10.7	10.8	0.3195	1.3221	1.2533	2.8948	-0.0302	0.0177	-0.004	-0.0166
1638	11.1	10.7	0.32	1.322	1.2532	2.8953	-0.0294	0.0224	0.0004	-0.0067
1639	10.8	10.7	0.3204	1.3217	1.2533	2.8955	-0.0442	0.0265	0.0023	-0.0154
1640	10.3	10.7	0.3209	1.3214	1.2535	2.8958	-0.0498	0.0194	-0.0003	-0.0307
1641	10.6	10.6	0.3211	1.3215	1.2534	2.896	-0.0402	0.0194	0.0003	-0.0205
1642	10.5	10.6	0.321	1.3214	1.2533	2.8957	-0.0268	0.008	0.0054	-0.0134
1643	10.4	10.6	0.3213	1.3215	1.2531	2.8959	-0.0259	0.0182	0.0074	-0.0003
1644	10.8	10.6	0.3213	1.321	1.2532	2.8956	-0.0351	0.0211	0.0077	-0.0062
1645	11	10.6	0.3213	1.3213	1.2534	2.896	-0.0412	0.0299	0.0073	-0.0041
1646	10.9	10.6	0.3214	1.3215	1.2534	2.8962	-0.0413	0.0329	0.0015	-0.0069
1647	10.4	10.6	0.3207	1.3216	1.2541	2.8964	-0.0342	0.0228	0.0044	-0.0071
1648	10.4	10.5	0.3204	1.3224	1.2542	2.897	-0.0342	0.0134	0.0123	-0.0084
1649	10.2	10.5	0.3206	1.3212	1.2542	2.896	-0.0257	0.0079	0.0081	-0.0097
1650	10.5	10.6	0.321	1.3209	1.2539	2.8957	-0.0103	0.0055	0.009	0.0043
1651	10.6	10.6	0.3209	1.3211	1.2538	2.8957	-0.0066	0.0136	0.0097	0.0167
1652	10.7	10.6	0.3212	1.3216	1.2539	2.8967	-0.0176	0.0197	0.0019	0.0039
1653	10.7	10.6	0.3207	1.3218	1.254	2.8964	-0.0217	0.0219	0.0048	0.005
1654	10.5	10.6	0.3209	1.3216	1.2541	2.8966	-0.0335	0.0176	0.005	-0.0109
1655	10.1	10.6	0.3208	1.3218	1.254	2.8966	-0.026	0.002	0.0037	-0.0204
1656	10.2	10.6	0.3203	1.3217	1.2536	2.8956	-0.0175	-0.0077	0.0032	-0.0221

1657	10.7	10.6	0.3201	1.3217	1.2536	2.8953	-0.0218	-0.0054	0.0021	-0.0251
1658	11.1	10.7	0.3199	1.3226	1.2535	2.896	-0.0194	0.0025	-0.0007	-0.0176
1659	11.2	10.7	0.3197	1.3226	1.2536	2.8959	-0.0172	0.0054	0.0019	-0.0099
1660	10.9	10.8	0.3205	1.3233	1.2538	2.8977	-0.0173	0.0043	0.0057	-0.0072
1661	10.7	10.8	0.3202	1.3242	1.2537	2.8981	0.0056	0.0053	0.0094	0.0203
1662	10.8	10.8	0.3197	1.3239	1.2538	2.8974	0.009	0.0161	0.0078	0.033
1663	10.5	10.9	0.3197	1.3237	1.2538	2.8972	0.0075	0.0212	0.0048	0.0334
1664	10.6	10.9	0.3204	1.324	1.2539	2.8983	-0.006	0.0285	0.0102	0.0327
1665	10.9	11	0.3207	1.3232	1.2537	2.8976	-0.0107	0.0396	0.0138	0.0427
1666	11	11	0.3194	1.323	1.2536	2.896	-0.0151	0.0398	0.0154	0.0401
1667	11.4	11.1	0.3188	1.3238	1.2534	2.8961	-0.0039	0.0339	0.015	0.045
1668	11.3	11.1	0.319	1.3244	1.2538	2.8972	-0.004	0.0305	0.008	0.0346
1669	11	11.1	0.3192	1.3251	1.2535	2.8978	0.0047	0.011	0.0072	0.0229
1670	11	11.1	0.3191	1.3245	1.2534	2.8971	0.0107	0.0051	0.006	0.0218
1671	11	11.2	0.319	1.3236	1.2538	2.8965	0.0127	0.003	0.0063	0.022
1672	11.3	11.2	0.319	1.3227	1.2537	2.8954	0.0024	0.0026	0.0061	0.0111
1673	11.6	11.2	0.3192	1.3219	1.2535	2.8946	-0.0105	0.0045	0.0055	-0.0004
1674	11.7	11.3	0.3194	1.3214	1.2533	2.8942	-0.0143	-0.0044	0.0094	-0.0093
1675	11.1	11.3	0.3191	1.3207	1.2535	2.8933	-0.0041	-0.0017	0.0101	0.0043
1676	11.2	11.3	0.3193	1.3203	1.2536	2.8932	0.0024	0.0048	0.0121	0.0192
1677	11.2	11.3	0.3189	1.3199	1.2532	2.892	-0.0003	0.0088	0.0088	0.0174
1678	11.6	11.2	0.3187	1.32	1.2532	2.8919	-0.0018	0.0075	0.0036	0.0093
1679	11.6	11.2	0.319	1.3208	1.2531	2.8929	-0.0071	0.0122	-0.001	0.004
1680	11.6	11.2	0.3199	1.322	1.2531	2.895	-0.0138	0.0055	-0.0038	-0.0121
1681	11.7	11.1	0.3214	1.3212	1.2538	2.8964	0.0023	-0.001	-0.0022	-0.0009
1682	10.9	11.1	0.3226	1.3211	1.2541	2.8978	0.0165	-0.0113	0.002	0.0072
1683	10.8	11	0.3229	1.3219	1.2539	2.8986	0.015	-0.0103	-0.0008	0.0039
1684	10.9	11	0.3236	1.3218	1.254	2.8994	0	-0.0135	0	-0.0136
1685	11.1	11	0.3237	1.3219	1.2542	2.8998	-0.0188	-0.0149	-0.0056	-0.0393
1686	11.3	10.9	0.3234	1.3207	1.2541	2.8983	-0.0235	-0.0091	-0.0046	-0.0372
1687	10.9	10.9	0.3235	1.3199	1.2539	2.8973	-0.0179	0.0103	-0.0076	-0.0151
1688	10.7	10.9	0.3243	1.3195	1.2541	2.8979	-0.0212	0.0213	-0.0065	-0.0065
1689	10.2	10.8	0.325	1.3202	1.2541	2.8994	-0.0137	0.0307	-0.0116	0.0054
1690	10	10.7	0.3247	1.3211	1.254	2.8999	-0.0092	0.0273	-0.0071	0.011
1691	10.1	10.7	0.3241	1.3216	1.2537	2.8993	-0.0127	0.0168	-0.0012	0.0029
1692	10.5	10.7	0.324	1.3209	1.2536	2.8985	-0.013	0.007	0.0063	0.0003
1693	11.2	10.6	0.324	1.3205	1.2534	2.8979	-0.0357	0.0031	0.0017	-0.0308

1694	10.8	10.6	0.3241	1.3192	1.2532	2.8965	-0.0246	-0.011	-0.0036	-0.0391
1695	10.8	10.5	0.3238	1.3185	1.2534	2.8956	-0.0102	-0.0121	-0.0038	-0.0261
1696	10.6	10.5	0.3224	1.3189	1.2532	2.8945	-0.0024	-0.0078	0.0005	-0.0097
1697	10.5	10.5	0.3225	1.3194	1.2524	2.8944	0.0029	-0.0086	-0.0015	-0.0072
1698	10.6	10.4	0.3225	1.32	1.2527	2.8953	0.0062	-0.0089	0.0022	-0.0005
1699	10.5	10.4	0.322	1.3207	1.2528	2.8955	0.008	0.0058	0.0051	0.0189
1700	10.4	10.5	0.3212	1.3208	1.253	2.895	0.0012	-0.0018	0.0085	0.0079
1701	10.4	10.5	0.3217	1.3209	1.2532	2.8958	-0.0041	0.0029	0.0068	0.0057
1702	10.4	10.5	0.3227	1.3207	1.2532	2.8966	-0.0057	0.0163	0.0026	0.0133
1703	9.96	10.4	0.3231	1.3209	1.2534	2.8973	0.0032	0.0316	-0.0012	0.0337
1704	10.2	10.4	0.3225	1.3217	1.2537	2.898	-0.0029	0.0257	0.0039	0.0267
1705	10.4	10.4	0.3216	1.3223	1.2535	2.8975	-0.0321	0.0186	0.0088	-0.0047
1706	10.5	10.4	0.3214	1.3221	1.2533	2.8968	-0.0193	0.0136	0.0075	0.0019
1707	10.1	10.4	0.3214	1.322	1.2535	2.8969	-0.0183	0.0201	0.0043	0.0061
1708	10.4	10.4	0.3213	1.3229	1.2536	2.8978	-0.0179	0.0235	0.0039	0.0095
1709	10.7	10.5	0.3208	1.3236	1.2537	2.8981	-0.0165	0.0344	0.0055	0.0235
1710	10.3	10.5	0.3188	1.3237	1.2536	2.8962	-0.0205	0.0271	0.0075	0.0141
1711	10.5	10.6	0.3189	1.3232	1.2536	2.8958	-0.0165	0.0438	0.0134	0.0407
1712	10.4	10.6	0.3194	1.323	1.2537	2.8961	-0.0247	0.0588	0.0131	0.0471
1713	10.9	10.7	0.3205	1.3225	1.2531	2.8961	-0.0331	0.0589	0.011	0.0368
1714	10.8	10.8	0.3206	1.3218	1.2528	2.8953	-0.0349	0.0545	0.011	0.0307
1715	10.5	10.8	0.3209	1.3213	1.2529	2.8952	-0.0351	0.0564	0.0129	0.0342
1716	10.7	10.8	0.3205	1.3213	1.253	2.8948	-0.0359	0.0539	0.0097	0.0277
1717	10.5	10.8	0.3205	1.3214	1.2531	2.895	-0.0561	0.0487	0.0061	-0.0012
1718	10.9	10.8	0.3202	1.3219	1.2532	2.8953	-0.064	0.0524	0.0017	-0.0099
1719	11.2	10.9	0.3194	1.3229	1.2535	2.8958	-0.0586	0.0504	0.0023	-0.006
1720	11.4	10.9	0.3191	1.3235	1.2535	2.8961	-0.0488	0.0464	-0.0032	-0.0056
1721	11.8	10.9	0.3194	1.3233	1.2534	2.8961	-0.0397	0.0316	-0.0047	-0.0128
1722	11.5	10.9	0.3194	1.3234	1.2534	2.8961	-0.0489	0.0225	-0.0045	-0.0309
1723	11	10.9	0.3195	1.3233	1.253	2.8957	-0.0482	0.0111	-0.0039	-0.041
1724	10.7	10.9	0.3192	1.3224	1.253	2.8945	-0.0414	-0.0027	0.0021	-0.0421
1725	10.3	10.9	0.3188	1.3219	1.2529	2.8936	-0.0388	-0.0079	0.0022	-0.0446
1726	10.8	11	0.3188	1.321	1.2529	2.8928	-0.0361	-0.0107	0.0043	-0.0425
1727	11.3	11	0.3193	1.3208	1.2533	2.8934	-0.0288	-0.0161	0.0084	-0.0366
1728	11.1	10.9	0.3202	1.32	1.2538	2.894	-0.035	-0.0092	-0.0005	-0.0446
1729	11.1	10.9	0.321	1.3205	1.2538	2.8953	-0.038	-0.0064	-0.0035	-0.0478
1730	10.6	10.9	0.3206	1.3206	1.2535	2.8947	-0.0323	-0.0037	0.0001	-0.0358

1731	10.6	10.8	0.3198	1.321	1.2531	2.8939	-0.0235	0.0122	-0.0012	-0.0125
1732	10.8	10.8	0.3194	1.3211	1.2532	2.8937	-0.0072	0.0122	0.006	0.011
1733	10.9	10.8	0.3203	1.3211	1.2533	2.8947	0.003	0.0159	0.0139	0.0327
1734	10.8	10.8	0.3215	1.321	1.2534	2.8959	-0.0009	0.0203	0.0096	0.029
1735	11	10.9	0.3221	1.321	1.2539	2.897	0.0095	0.0194	0.0085	0.0375
1736	10.7	10.9	0.3212	1.3205	1.2541	2.8957	0.0086	0.026	0.0132	0.0478
1737	10.3	10.9	0.3216	1.3199	1.2539	2.8955	0.0144	0.0213	0.018	0.0537
1738	10.7	10.9	0.3214	1.3189	1.2544	2.8947	0.025	0.0187	0.0126	0.0563
1739	10.7	10.9	0.3213	1.319	1.2541	2.8944	0.0372	0.0084	0.0147	0.0603
1740	10.7	11	0.3222	1.3197	1.2536	2.8955	0.0398	0.0131	0.0173	0.0702
1741	11.4	11	0.3224	1.3208	1.2528	2.8959	0.0197	0.0161	0.017	0.0527
1742	11.2	11	0.3245	1.3211	1.2531	2.8988	0.0098	0.0282	0.0141	0.0521
1743	10.9	11	0.3238	1.3226	1.2534	2.8998	0.0267	0.0228	0.015	0.0645
1744	11.2	11.1	0.3224	1.3222	1.2536	2.8982	0.0283	0.0065	0.0158	0.0506
1745	11.1	11.1	0.3215	1.3221	1.2533	2.897	0.0131	-0.0022	0.0032	0.0141
1746	11.5	11.1	0.3211	1.3223	1.2536	2.897	0.0121	0.0017	0.0059	0.0197
1747	11.4	11.1	0.3201	1.3225	1.2538	2.8965	0.0017	0.0101	0.003	0.0148
1748	11.6	11.1	0.3196	1.3218	1.2537	2.8951	0.007	0.0117	-0.007	0.0117
1749	11.3	11.1	0.3205	1.3214	1.2533	2.8952	0.0148	0.0081	-0.0043	0.0187
1750	11.2	11.2	0.3214	1.3206	1.2532	2.8951	0.0259	0.0107	0.0043	0.0409
1751	11.4	11.1	0.3214	1.3194	1.2536	2.8944	0.0237	0.0045	0.0113	0.0395
1752	10.9	11.1	0.3208	1.3184	1.254	2.8933	0.0292	0.0055	0.0134	0.0481
1753	11	11.1	0.321	1.3192	1.2536	2.8937	0.0399	0.003	0.0136	0.0565
1754	11	11	0.3241	1.3197	1.2532	2.897	0.0436	0.0052	0.0159	0.0646
1755	11	11	0.3227	1.3204	1.2532	2.8964	0.0384	0.0141	0.0193	0.0717
1756	11.3	11	0.3221	1.3197	1.2532	2.895	0.0297	0.0204	0.0176	0.0677
1757	11.1	10.9	0.3219	1.3193	1.2532	2.8943	0.0274	0.0184	0.0155	0.0613
1758	10.5	10.9	0.3215	1.3192	1.253	2.8937	0.0277	0.0178	0.017	0.0625
1759	10.9	10.9	0.3218	1.3199	1.2528	2.8945	0.0271	0.028	0.0186	0.0737
1760	10.8	10.8	0.3222	1.319	1.2525	2.8936	0.0213	0.0355	0.02	0.0768
1761	10.8	10.8	0.3227	1.3183	1.2524	2.8934	0	0.0375	0.0193	0.0568
1762	10.6	10.8	0.323	1.318	1.2527	2.8937	0.0009	0.0324	0.0195	0.0527
1763	10.5	10.8	0.3232	1.3182	1.2527	2.8941	0.0064	0.0301	0.0204	0.0568
1764	10.3	10.7	0.3239	1.3184	1.2526	2.8949	0.0192	0.0242	0.0147	0.0581
1765	10.6	10.7	0.3243	1.3178	1.2527	2.8948	0.0209	0.0169	0.0111	0.0489
1766	10.8	10.6	0.325	1.3182	1.253	2.8961	0.0248	0.0112	0.0121	0.0481
1767	11.3	10.6	0.3252	1.3186	1.2533	2.8971	0.0199	0.0113	0.0135	0.0447

1768	10.9	10.6	0.3249	1.3194	1.2535	2.8978	0.0202	0.0126	0.0151	0.0478
1769	10.5	10.5	0.3241	1.3204	1.2539	2.8984	0.017	0.0182	0.016	0.0512
1770	10.8	10.5	0.3231	1.3214	1.2539	2.8984	0.0074	0.031	0.0202	0.0585
1771	10.6	10.5	0.3239	1.3214	1.2543	2.8995	0.0029	0.039	0.0209	0.0628
1772	10.2	10.5	0.3238	1.3216	1.2541	2.8995	0.0068	0.0373	0.019	0.0631
1773	10.3	10.5	0.3233	1.3222	1.2533	2.8988	0.0067	0.0385	0.0193	0.0646
1774	10.3	10.6	0.3233	1.3222	1.2531	2.8986	0.0083	0.0379	0.0146	0.0608
1775	9.99	10.6	0.3227	1.3218	1.2531	2.8976	0.0043	0.0265	0.0147	0.0454
1776	10.2	10.5	0.3222	1.3219	1.2528	2.8968	-0.0001	0.0201	0.0138	0.0338
1777	10.4	10.5	0.3224	1.3208	1.2532	2.8965	-0.0002	0.0092	0.0141	0.023
1778	10.5	10.5	0.3225	1.3207	1.2535	2.8967	0.006	0.0057	0.0201	0.0318
1779	10.6	10.6	0.3222	1.3211	1.2531	2.8965	0.0188	-0.0046	0.0268	0.041
1780	10.9	10.6	0.3222	1.3208	1.2532	2.8963	0.0311	0.0012	0.0269	0.0591
1781	10.6	10.6	0.3221	1.32	1.2532	2.8953	0.0253	0.0029	0.0236	0.0517
1782	10.5	10.7	0.3223	1.3195	1.2527	2.8945	0.0141	0.0086	0.0178	0.0406
1783	10.7	10.7	0.3229	1.3199	1.2529	2.8957	0.0089	0.0102	0.0194	0.0385
1784	10.5	10.7	0.3226	1.3199	1.2531	2.8956	0.022	0.0109	0.0214	0.0542
1785	10.4	10.8	0.3228	1.3193	1.2528	2.895	0.0405	0.0092	0.0234	0.073
1786	10.7	10.9	0.322	1.3186	1.2523	2.8929	0.0501	0.0097	0.0317	0.0914
1787	11.3	10.9	0.321	1.3181	1.2526	2.8917	0.0366	0.0015	0.0343	0.0723
1788	11.7	10.9	0.3206	1.3187	1.2526	2.8919	0.0442	-0.0071	0.0326	0.0698
1789	11.2	10.9	0.3211	1.3189	1.2524	2.8924	0.0416	-0.0229	0.0407	0.0594
1790	11.1	10.9	0.3228	1.3195	1.2523	2.8946	0.0406	-0.0221	0.0358	0.0542
1791	10.7	10.9	0.3231	1.3187	1.2523	2.8941	0.0556	-0.0108	0.0291	0.074
1792	10.6	10.9	0.3213	1.3187	1.2521	2.8921	0.0599	0.0066	0.0159	0.0824
1793	11.6	11	0.3212	1.3198	1.2518	2.8929	0.0986	0.0129	0.0217	0.1331
1794	11.8	11	0.3228	1.3195	1.2529	2.8951	0.0868	0.0389	0.0277	0.1534
1795	10.7	10.9	0.3226	1.3183	1.2528	2.8937	0.0632	0.0332	0.031	0.1275
1796	10.8	10.8	0.3222	1.3179	1.2529	2.8931	0.0493	0.0319	0.0266	0.1078
1797	10.2	10.8	0.3218	1.3182	1.2531	2.8932	0.0421	0.036	0.0311	0.1093
1798	10.2	10.6	0.3211	1.3192	1.2531	2.8934	0.0243	0.0408	0.0373	0.1023
1799	10.9	10.6	0.3194	1.3196	1.2524	2.8914	0.0149	0.0282	0.0351	0.0783
1800	10.8	10.8	0.3188	1.3204	1.2519	2.8911	0.0331	0.0201	0.0285	0.0818