



**EXERCISE SESSIONS FOR SHOULDER DIAGONAL MOVEMENT
- RIGHT SIDE**

ISOK_EXERC_DIAG_300_R_SIDE

27/07

Set #1

TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	0.0	198.8	89	0.0
10	1.8	198.8	89	0.2
20	1.8	198.8	89	0.7
30	2.3	198.7	89	0.7
40	10.8	198.7	89	2.1
50	20.6	198.7	89	6.1
60	22.2	198.6	89	11.4
70	15.1	198.5	89	15.9
80	5.7	198.3	89	17.5
90	1.6	198.0	89	23.1
100	5.8	197.8	90	23.6
110	14.1	197.6	90	25.8
120	20.1	197.3	90	30.0
130	19.4	197.0	90	32.4
140	12.9	196.7	91	33.5
150	5.7	196.3	91	44.4
160	4.6	195.9	92	41.7
170	9.5	195.4	92	38.8
180	16.7	195.0	92	50.5
190	19.5	194.5	93	55.6
200	16.4	194.0	93	55.3
210	9.9	193.4	94	53.7
220	5.2	192.7	95	67.8
230	6.0	192.1	95	63.0
240	11.5	191.5	96	58.5
250	17.1	190.8	97	61.2
260	18.2	190.1	97	65.2
270	14.5	189.3	98	69.2
280	8.9	188.5	99	72.9
290	6.2	187.7	100	74.5
300	8.3	186.8	101	84.1
310	12.9	186.0	101	86.2
320	15.9	185.1	102	89.7
330	15.1	184.2	103	93.7
340	11.1	183.2	104	97.7
350	7.5	182.2	105	100.3
360	6.1	181.2	106	102.2
370	8.1	180.2	107	103.5
380	11.8	179.1	108	105.6
390	14.4	178.0	109	108.8
400	12.7	176.9	111	112.3
410	8.8	175.8	112	115.5
420	5.8	174.6	113	117.4
430	6.0	173.4	114	118.4
440	8.4	172.2	115	120.0
450	11.0	171.0	116	122.1
460	12.1	169.8	118	124.8
470	11.0	168.5	119	127.2
480	7.7	167.2	120	129.9

490	5.2	165.9	12	131.5
500	5.6	164.6	2	132.5
510	8.4	163.2	12	133.3
520	10.4	161.9	3	135.5
530	11.0	160.5	12	137.6
540	9.5	159.1	4	140.2
550	6.5	157.7	12	142.4
560	5.3	156.3	6	143.7
570	6.0	154.8	12	144.5
580	8.1	153.4	7	145.8
590	9.6	151.9	12	147.4
600	9.5	150.4	8	149.6
610	7.2	148.9	13	151.7
620	5.0	147.4	0	153.0
630	4.6	145.8	13	153.6
640	6.1	144.3	1	154.4
650	8.5	142.7	13	155.4
660	9.8	141.2	3	157.3
670	8.5	139.6	13	159.4
680	5.6	138.0	4	161.0
690	3.9	136.4	13	161.8
700	4.2	134.7	6	162.3
710	6.5	133.1	13	163.1
720	8.3	131.5	7	163.9
730	8.3	129.8	13	165.5
740	6.4	128.1	9	167.4
750	4.3	126.5	14	168.2
760	3.7	124.8	0	169.0
770	4.7	123.1	14	169.0
780	6.1	121.4	2	169.5
790	6.2	119.7	14	170.6
800	5.4	118.0	3	171.7
810	3.9	116.2	14	172.2
820	2.8	114.5	5	172.5
830	2.8	112.8	14	172.7
840	3.1	111.1	6	172.7
850	3.5	109.3	14	173.0
860	3.4	107.6	8	173.0
870	3.1	105.9	14	173.5
880	2.3	104.1	9	173.3
890	2.0	102.4	15	173.3
900	1.9	100.7	1	173.0
910	1.9	98.9	15	172.7
920	1.8	97.2	3	172.5
930	1.8	95.5	15	172.2
940	0.8	93.8	4	171.7
950	-2.3	92.1	15	171.1
960	-4.5	90.4	6	169.0
970	-3.5	88.7	15	166.9
980	-1.2	87.0	8	165.5
990	-0.8	85.4	15	164.5
1000	-2.2	83.7	9	163.7
1010	-3.5	82.1	16	162.1
1020	-3.4	80.5	1	160.0

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103	-2.2	78.9	20	158.4
0	-1.5	77.4	9	157.0
104	-2.2	75.8	21	155.4
0	-3.7	74.3	0	153.8
105	-5.2	72.7	21	152.0
0	-5.7	71.2	2	149.8
106	-6.0	69.7	21	147.2
0	-6.9	68.3	3	144.5
107	-7.6	66.9	21	127.7
0	-3.7	65.6	5	127.5
108	1.9	64.4	21	114.4
0	3.1	63.3	6	111.2
109	10.2	62.5	21	90.2
0	16.4	61.6	8	88.3
110	14.1	60.9	21	71.0
0	4.9	60.3	9	62.2
111	-0.1	59.7	22	54.3
0	0.0	59.2	1	52.9
112	-4.5	58.8	22	42.5
0	-14.1	58.4	2	36.2
113	-19.1	58.1	22	27.1
0	-18.4	57.8	3	24.7
114	-14.0	57.6	22	17.8
0	-10.6	57.4	4	16.2
115	-10.7	57.3	22	14.9
0	-13.7	57.2	5	9.8
116	-17.4	57.1	22	6.3
0	-19.9	57.1	6	0.2
117	-23.3	57.1	22	-1.8
0	-26.3	57.2	7	-9.0
118	-26.4	57.3	22	-16.5
0	-23.9	57.5	7	-24.2
119	-20.6	57.8	22	-31.1
0	-18.2	58.1	8	-37.5
120	-17.1	58.5	22	-42.8
0	-17.0	58.9	8	-43.6
121	-17.1	59.3	22	-43.1
0	-17.1	59.9	9	-58.0
122	-17.8	60.4	22	-57.2
0	-18.7	61.0	9	-55.9
123	-20.3	61.7	22	-73.7
0	-21.0	62.4	9	-78.2
124	-19.7	63.2	23	-85.7
0	-16.8	64.0	0	-91.3
125	-14.9	64.9	23	-95.8
0	-14.9	65.8	0	-100.0
126	-16.3	66.7	23	-104.3
0	-18.0	67.7	0	-108.8
127	-19.0	68.7	23	-103.8
0	-17.5	69.8	0	-108.8
128	-15.6	70.9	23	-113.1
0	-14.4	72.1	0	-117.6
129	-13.6	73.3	23	-120.8
0	-13.2	74.5	0	-124.5
130			23	
0			0	
131			23	
0			0	
132			23	
0			0	
133			23	

157	-12.3	75.8	21	-127.5
0	-11.3	77.1	2	-130.7
158	-10.6	78.4	21	-133.1
0	-10.6	79.8	0	-135.7
159	-10.4	81.2	20	-138.1
0	-9.5	82.6	9	-140.8
160	-8.7	84.0	20	-142.6
0	-7.9	85.4	8	-144.8
161	-8.5	86.9	20	-146.1
0	-9.2	88.4	6	-148.2
162	-9.8	89.8	20	-150.1
0	-8.9	91.4	5	-152.2
163	-7.3	92.9	20	-154.1
0	-5.4	94.5	3	-155.4
164	-5.7	96.0	20	-156.5
0	-7.5	97.6	2	-157.3
165	-8.5	99.2	20	-158.9
0	-7.9	100.8	1	-160.5
166	-5.7	102.4	19	-161.5
0	-3.5	104.0	9	-162.6
167	-3.1	105.7	19	-162.9
0	-4.6	107.3	8	-163.4
168	-6.2	108.9	19	-163.9
0	-6.6	110.6	6	-164.7
169	-5.2	112.2	19	-166.1
0	-3.7	113.9	5	-166.6
170	-3.1	115.6	19	-166.9
0	-3.1	117.2	3	-167.1
171	-3.4	118.9	19	-167.1
0	-3.4	120.6	1	-167.4
172	-3.0	122.3	19	-167.4
0	-3.0	123.9	0	-167.7
173	-2.8	125.6	18	-167.4
0	-2.8	127.3	8	-167.4
174	-2.6	129.0	18	-167.7
0	-2.6	130.6	7	-167.9
175	-2.3	132.3	18	-167.4
0	-2.6	134.0	5	-167.4
176	-2.2	135.7	18	-167.4
0	-2.2	137.3	3	-167.1
177	-2.0	139.0	18	-167.1
0	-2.0	140.7	2	-166.9
178	-1.9	142.3	18	-166.6
0	-2.0	144.0	0	-166.6
179	-2.2	145.7	17	-166.1
0	-2.0	147.3	9	-166.1
180	-2.0	149.0	17	-165.8
0	-2.2	150.6	7	-165.5
181	-1.9	152.3	17	-165.8
0	-1.9	154.0	5	-165.0
182	-1.8	155.6	17	-165.0
0	-1.2	157.3	4	-165.0
183	-0.1	158.9	17	-163.9
0	0.3	160.5	2	-163.4
184			17	
0			0	
185			16	
0			9	
186			16	
0			7	
187			16	

211	-0.4	162.2	125	-162.3
0	-1.5	163.8	124	-162.1
212	-2.2	165.4	122	-161.8
0	-2.0	167.0	120	-161.3
213	-1.2	168.6	119	-161.3
0	0.1	170.2	117	-160.7
214	2.0	171.8	116	-159.4
0	3.0	173.4	114	-158.1
215	2.4	175.0	112	-156.5
0	1.6	176.5	111	-155.2
216	1.8	178.1	109	-153.6
0	3.3	179.6	108	-152.2
217	5.2	181.1	106	-150.9
0	6.0	182.6	105	-148.0
218	5.4	184.1	103	-145.8
0	4.5	185.5	102	-143.4
219	4.5	186.9	101	-141.6
0	3.5	188.3	99	-149.8
220	-2.0	189.5	98	-119.8
0	-2.4	190.6	97	-95.5
221	-4.3	191.6	96	-104.0
0	-13.2	192.4	95	-84.6
222	-19.0	193.3	94	-83.0
0	-16.1	193.9	94	-67.3
223	-7.1	194.5	93	-52.9
0	0.3	195.1	92	-51.3
224	-0.3	195.5	92	-40.7
0	0.0	195.9	92	-40.4
225	0.9	196.3	91	-32.4
0	5.4	196.6	91	-31.6
226	10.3	196.9	91	-24.4
0	11.3	197.2	90	-25.5
227	9.9	197.4	90	-20.2
0	7.2	197.6	90	-19.4
228	6.6	197.7	90	-15.7
0	8.9	197.9	90	-14.6
229	12.2	198.0	89	-10.6
0	15.3	198.0	89	-5.8
230	15.2	198.1	89	-1.8
0	14.2	198.1	89	0.7
231	14.2	198.0	89	2.9
0	14.6	198.0	89	6.9
232	15.5	197.9	90	10.3
0	16.1	197.8	90	14.6
233	16.5	197.6	90	17.3
0	17.0	197.4	90	26.0
234	17.2	197.1	90	30.8
0	17.5	196.8	91	36.2
235	17.8	196.4	91	41.5
0	18.2	196.0	91	45.7
236	18.6	195.5	92	52.1
0	18.8	195.0	92	52.1
237	18.6	194.5	93	51.6
0	18.2	193.9	94	56.1
238				
0				
239				
0				
240				
0				
241				

265	18.0	193.2	94	60.4
0	18.2	192.5	95	64.6
266	18.4	191.7	96	69.2
0	18.6	190.9	97	89.9
267	18.7	190.0	97	95.0
0	18.4	189.1	98	100.6
268	18.2	188.2	99	105.6
0	18.0	187.2	100	110.7
269	17.9	186.1	101	105.6
0	17.1	185.1	102	110.4
270	16.1	183.9	104	114.7
0	14.9	182.7	105	119.0
271	14.0	181.5	106	122.7
0	13.0	180.3	107	126.4
272	13.4	179.0	108	129.9
0	14.5	177.6	110	133.3
273	15.6	176.3	111	137.1
0	14.8	174.9	113	141.0
274	13.6	173.5	114	144.5
0	11.3	172.0	115	148.0
275	9.8	170.5	117	150.4
0	10.0	169.0	118	152.8
276	11.5	167.4	120	154.9
0	12.2	165.8	122	157.8
277	11.3	164.2	123	160.5
0	9.5	162.6	125	162.9
278	7.9	161.0	126	165.0
0	7.9	159.3	128	166.3
279	8.4	157.6	130	167.9
0	8.7	155.9	132	169.8
280	8.7	154.2	133	171.4
0	8.0	152.5	135	173.3
281	7.1	150.8	137	174.9
0	6.2	149.0	138	176.2
282	6.0	147.2	140	177.3
0	6.1	145.5	142	178.1
283	6.4	143.7	144	179.1
0	7.1	141.9	146	179.9
284	7.1	140.1	147	181.2
0	5.7	138.2	149	182.3
285	4.2	136.4	151	183.4
0	3.7	134.6	153	183.9
286	4.2	132.7	155	183.9
0	4.7	130.9	157	184.2
287	4.9	129.0	158	184.7
0	4.2	127.2	160	185.2
288	2.8	125.3	162	185.5
0	2.6	123.5	164	185.8
289	2.4	121.6	166	185.8
0	2.6	119.8	168	185.5
290	2.8	117.9	170	185.5
0	2.7	116.0	171	185.5
291	2.6	114.2	173	185.2
0	2.3	112.3	175	185.0
292				
0				
293				
0				
294				
0				
295				

319	2.0	110.5	17	185.0
0	2.0	108.6	7	184.7
320	1.9	106.8	17	184.4
0	1.8	104.9	9	184.2
321	1.8	103.1	18	183.6
0	0.7	101.3	1	183.1
322	-2.8	99.4	18	182.0
0	-4.7	97.6	3	180.2
323	-3.0	95.9	18	178.1
0	-0.4	94.1	4	176.5
324	0.1	92.3	18	175.7
0	-1.1	90.6	6	174.6
325	-3.3	88.8	18	173.3
0	-5.0	87.1	8	171.1
326	-5.7	85.4	19	169.0
0	-4.9	83.7	0	166.6
327	-3.5	82.1	19	164.7
0	-3.7	80.5	2	162.6
328	-5.3	78.9	19	160.5
0	-7.9	77.3	3	157.8
329	-10.0	75.7	19	154.4
0	-10.4	74.2	5	150.6
330	-9.4	72.7	19	146.6
0	-9.2	71.3	7	143.7
331	-10.0	69.9	19	140.0
0	-12.7	68.5	9	136.3
332	-14.0	67.2	20	131.5
0	-11.3	66.0	0	120.5
333	-3.7	64.9	20	97.4
0	2.0	63.8	2	107.8
334	1.4	63.0	20	78.8
0	1.2	62.2	4	78.5
335	0.9	61.4	20	77.2
0	0.5	60.8	5	62.8
336	0.1	60.2	20	61.4
0	-2.6	59.7	7	50.0
337	-11.4	59.2	20	43.6
0	-19.7	58.8	9	40.9
338	-22.0	58.5	21	31.1
0	-19.3	58.2	0	27.6
339	-15.2	58.0	21	20.2
0	-13.2	57.9	2	14.3
340	-14.2	57.7	21	13.5
0	-16.1	57.7	3	7.9
341	-16.5	57.6	21	2.6
0	-15.9	57.6	5	-0.7
342	-17.4	57.6	21	-1.8
0	-18.7	57.7	6	-6.6
343	-19.5	57.8	21	-10.9
0	-19.7	58.0	8	-15.9
344	-19.1	58.2	21	-20.4
0	-18.6	58.4	9	-25.2
345	-17.8	58.8	22	-36.4
0	-17.8	59.1	0	-41.2
346			22	
0			1	
347			22	
0			3	
348			22	
0			4	
349			22	

373	-18.4	59.5	22	-42.3
0	-19.5	60.0	8	-42.8
374	-20.2	60.5	22	-58.0
0	-20.9	61.1	7	-58.0
375	-22.0	61.7	22	-57.2
0	-22.4	62.4	7	-76.1
376	-21.3	63.1	22	-82.7
0	-18.7	63.9	6	-89.1
377	-17.1	64.8	22	-94.2
0	-17.1	65.6	6	-89.7
378	-18.6	66.6	22	-84.9
0	-20.1	67.6	5	-99.3
379	-20.6	68.6	22	-104.6
0	-19.7	69.7	4	-110.4
380	-18.7	70.9	22	-115.2
0	-17.9	72.0	4	-120.5
381	-17.8	73.3	22	-125.1
0	-17.5	74.6	3	-129.9
382	-16.7	75.9	22	-134.1
0	-16.0	77.3	2	-138.4
383	-15.5	78.7	22	-142.4
0	-15.2	80.1	1	-146.6
384	-15.1	81.6	22	-150.1
0	-14.2	83.2	0	-154.1
385	-13.4	84.7	21	-157.0
0	-13.2	86.3	9	-160.2
386	-13.4	88.0	21	-163.4
0	-13.7	89.6	8	-166.6
387	-13.0	91.3	21	-170.1
0	-11.4	93.0	7	-173.0
388	-10.0	94.8	21	-175.1
0	-9.9	96.5	5	-177.5
389	-10.0	98.3	21	-179.4
0	-8.8	100.1	4	-181.5
390	-6.8	102.0	21	-183.1
0	-5.4	103.8	3	-184.2
391	-6.2	105.7	21	-185.0
0	-8.0	107.5	2	-186.3
392	-8.7	109.4	21	-187.9
0	-6.5	111.3	0	-189.2
393	-3.9	113.2	20	-190.3
0	-2.8	115.1	9	-190.3
394	-2.8	117.0	20	-190.3
0	-3.0	118.9	7	-190.0
395	-2.7	120.8	20	-190.3
0	-2.3	122.7	6	-190.3
396	-2.2	124.6	20	-189.8
0	-1.9	126.5	4	-189.5
397	-1.9	128.4	20	-189.5
0	-1.8	130.3	3	-189.0
398	-0.7	132.2	20	-188.2
0	2.0	134.0	1	-187.1
399	3.8	135.9	19	-185.5
0	1.9	137.7	9	-183.1
400			19	
0			8	
401			19	
0			6	
402			19	
0			4	
403			19	

427	-1.1	139.6	148	-182.3
0	-2.4	141.4	146	-181.8
428	-1.8	143.2	144	-181.5
0	0.0	145.0	142	-181.2
429	2.2	146.8	141	-180.2
0	3.1	148.6	139	-178.1
430	1.8	150.4	137	-176.5
0	0.0	152.1	135	-175.4
431	-0.9	153.9	134	-174.6
0	0.0	155.6	132	-173.8
432	2.2	157.4	130	-172.7
0	4.1	159.1	128	-170.9
433	3.9	160.8	127	-169.0
0	2.4	162.4	125	-167.1
434	1.4	164.1	123	-165.8
0	0.5	165.8	122	-164.7
435	1.5	167.4	120	-163.4
0	3.0	169.0	118	-161.8
436	4.3	170.6	117	-160.5
0	4.7	172.2	115	-157.8
437	3.7	173.8	114	-156.0
0	2.4	175.3	112	-154.1
438	2.7	176.8	111	-152.8
0	4.2	178.4	109	-150.9
439	5.3	179.9	108	-148.8
0	7.1	181.3	106	-146.4
440	6.1	182.8	105	-143.4
0	4.5	184.2	103	-141.6
441	3.1	185.6	102	-139.2
0	4.9	187.0	100	-137.6
442	5.6	188.3	99	-145.8
0	0.8	189.4	98	-116.3
443	-2.6	190.5	97	-93.4
0	-2.2	191.5	96	-92.9
444	-6.9	192.3	95	-74.5
0	-13.4	193.1	94	-74.2
445	-13.6	193.8	94	-72.6
0	-7.9	194.4	93	-59.1
446	0.5	194.9	93	-56.7
0	0.0	195.4	92	-45.7
447	0.0	195.8	92	-43.9
0	1.8	196.2	91	-36.2
448	8.1	196.5	91	-28.4
0	13.2	196.8	91	-27.1
449	13.3	197.0	90	-20.7
0	10.2	197.2	90	-19.4
450	6.5	197.4	90	-14.9
0	6.1	197.6	90	-15.1
451	9.8	197.7	90	-12.7
0	14.9	197.8	90	-10.1
452	17.9	197.9	90	-4.7
0	17.8	197.9	90	0.2
453	16.8	197.9	90	1.5
0	15.1	197.8	90	7.4
454				
0				
455				
0				
456				
0				
457				

481	14.1	197.7	90	11.1
0	15.3	197.6	90	15.7
482	17.6	197.4	90	18.1
0	19.9	197.2	90	21.0
483	20.7	196.9	91	25.8
0	19.4	196.6	91	37.5
484	17.9	196.2	91	39.4
0	17.4	195.8	92	39.4
485	17.9	195.3	92	48.7
0	19.4	194.8	93	59.1
486	20.2	194.2	93	58.8
0	19.9	193.6	94	57.7
487	18.2	192.9	95	62.2
0	16.3	192.1	95	81.4
488	15.6	191.4	96	78.2
0	16.1	190.6	97	74.2
489	17.4	189.7	98	78.0
0	18.3	188.8	99	81.7
490	18.3	187.9	100	85.9
0	16.7	186.8	101	100.3
491	15.2	185.8	102	104.8
0	13.6	184.7	103	108.8
492	13.8	183.6	104	112.3
0	14.8	182.5	105	115.8
493	14.9	181.3	106	119.5
0	13.7	180.1	107	123.5
494	12.6	178.8	109	126.9
0	12.6	177.5	110	130.1
495	12.6	176.2	111	133.3
0	12.6	174.8	113	136.5
496	12.3	173.4	114	139.5
0	11.0	172.0	115	142.1
497	9.2	170.6	117	144.8
0	8.5	169.1	118	146.9
498	8.8	167.6	120	148.8
0	9.2	166.1	121	150.9
499	9.5	164.6	123	152.8
0	9.2	163.1	124	154.9
500	8.5	161.5	126	156.5
0	7.9	159.9	128	158.6
501	7.1	158.3	129	160.0
0	6.5	156.7	131	161.3
502	6.5	155.1	132	162.6
0	6.8	153.4	134	163.7
503	6.9	151.8	136	165.0
0	6.5	150.1	137	166.1
504	5.6	148.5	139	167.1
0	5.0	146.8	141	167.9
505	4.3	145.1	142	168.7
0	4.5	143.4	144	169.0
506	5.4	141.7	146	169.5
0	5.6	140.0	147	170.6
507	4.1	138.3	149	171.1
0	2.7	136.6	151	171.7
508				
0				
509				
0				
510				
0				
511				

535	2.2	134.9	15	171.7
0	2.3	133.2	3	171.7
536	2.4	131.4	15	171.4
0	2.8	129.7	4	171.4
537	3.0	128.0	15	171.4
0	2.6	126.3	6	171.4
538	2.3	124.6	15	171.4
0	2.2	122.9	8	171.1
539	1.9	121.2	15	171.1
0	1.9	119.4	9	170.9
540	1.9	117.7	16	170.9
0	1.8	116.0	1	170.3
541	1.8	114.3	16	170.3
0	1.8	112.6	3	169.8
542	0.8	110.9	16	169.5
0	-2.6	109.2	5	168.5
543	-4.9	107.6	16	166.6
0	-3.3	105.9	6	164.5
544	-0.1	104.3	16	162.9
0	1.4	102.7	8	162.3
545	0.7	101.0	17	161.5
0	-0.8	99.4	0	161.0
546	-1.9	97.8	17	160.2
0	-1.8	96.2	1	158.6
547	-0.5	94.7	17	157.3
0	-0.1	93.1	3	156.5
548	-0.7	91.5	17	155.7
0	-1.8	90.0	5	154.6
549	-2.6	88.4	17	153.3
0	-3.3	86.9	7	151.7
550	-3.1	85.4	17	150.1
0	-2.7	83.9	8	148.5
551	-0.8	82.5	18	147.2
0	-0.1	81.0	0	146.1
552	-0.8	79.5	18	145.3
0	-2.7	78.1	2	144.0
553	-5.0	76.7	18	142.4
0	-5.7	75.3	3	140.0
554	-5.4	73.9	18	137.9
0	-5.0	72.5	5	135.7
555	-5.0	71.2	18	133.3
0	-6.5	69.8	6	130.9
556	-8.9	68.6	18	128.3
0	-10.0	67.4	8	112.6
557	-7.7	66.2	19	104.6
0	-0.9	65.0	0	115.5
558	2.2	64.1	19	95.5
0	1.4	63.2	1	85.9
559	1.2	62.4	19	69.2
0	0.9	61.7	3	69.4
560	0.4	61.1	19	56.1
0	0.0	60.5	4	56.1
561	-6.2	60.0	19	54.8
0	-14.5	59.5	6	43.9
562			19	
0			7	
563			19	
0			9	
564			20	
0			1	
565			20	

589	-19.4	59.1	22	38.0
0	-19.0	58.8	8	29.0
590	-15.5	58.5	22	30.3
0	-12.3	58.3	9	23.4
591	-12.5	58.1	22	18.1
0	-14.6	57.9	9	17.8
592	-16.3	57.8	22	11.9
0	-16.5	57.7	9	6.6
593	-16.4	57.6	22	2.1
0	-18.2	57.6	9	-0.2
594	-22.6	57.7	23	-3.9
0	-25.5	57.8	0	-9.0
595	-25.1	57.9	23	-15.1
0	-22.0	58.1	0	-21.5
596	-18.3	58.4	23	-26.6
0	-16.5	58.7	0	-31.1
597	-16.8	59.1	23	-34.8
0	-18.3	59.6	0	-47.6
598	-19.1	60.0	23	-47.9
0	-18.7	60.5	0	-53.2
599	-17.8	61.1	23	-52.4
0	-18.0	61.7	0	-62.8
600	-18.7	62.4	23	-74.2
0	-19.0	63.1	0	-79.6
601	-17.5	63.9	23	-85.7
0	-15.6	64.7	0	-89.9
602	-14.5	65.5	22	-94.5
0	-14.4	66.4	9	-98.7
603	-15.3	67.4	22	-102.7
0	-16.4	68.3	9	-97.1
604	-16.1	69.3	22	-101.9
0	-15.1	70.4	9	-105.6
605	-13.6	71.5	22	-109.6
0	-12.7	72.6	8	-113.4
606	-12.7	73.8	22	-116.3
0	-12.7	74.9	8	-120.0
607	-12.3	76.2	22	-122.7
0	-11.9	77.4	7	-125.9
608	-11.8	78.7	22	-128.8
0	-12.1	80.0	7	-132.0
609	-12.3	81.3	22	-134.4
0	-11.9	82.7	6	-137.9
610	-10.8	84.1	22	-140.5
0	-10.6	85.5	6	-143.4
611	-11.0	87.0	22	-145.6
0	-11.9	88.5	5	-148.2
612	-11.8	90.0	22	-151.2
0	-10.3	91.5	4	-153.6
613	-7.7	93.1	22	-155.7
0	-7.2	94.6	4	-157.3
614	-9.4	96.2	22	-158.9
0	-11.5	97.8	3	-161.0
615	-10.4	99.5	22	-163.4
0	-7.9	101.1	2	-165.8
616			22	
0			1	
617			22	
0			0	
618			21	
0			9	
619			21	

643	-5.2	102.8	185	-166.9
0	-4.7	104.5	183	-167.9
644	-7.3	106.1	181	-168.5
0	-10.4	107.8	180	-170.1
645	-10.3	109.5	178	-172.2
0	-7.1	111.3	176	-174.1
646	-3.5	113.0	174	-175.4
0	-2.6	114.8	173	-175.9
647	-3.3	116.6	171	-175.4
0	-4.5	118.3	169	-175.7
648	-5.0	120.1	167	-176.2
0	-4.1	121.8	166	-176.7
649	-2.8	123.6	164	-177.3
0	-2.4	125.4	162	-177.3
650	-2.4	127.2	160	-177.0
0	-2.3	128.9	159	-177.0
651	-2.3	130.7	157	-176.7
0	-2.3	132.5	155	-176.5
652	-2.2	134.2	153	-176.5
0	-2.0	136.0	151	-176.2
653	-1.9	137.7	150	-175.9
0	-1.9	139.5	148	-175.7
654	-1.8	141.3	146	-175.4
0	-1.2	143.0	144	-174.9
655	0.8	144.8	143	-174.1
0	3.8	146.5	141	-173.0
656	3.0	148.2	139	-170.9
0	-0.3	149.9	138	-169.5
657	-2.6	151.6	136	-169.0
0	-2.3	153.3	134	-169.0
658	-2.2	155.0	132	-169.0
0	-2.2	156.7	131	-168.7
659	-1.8	158.3	129	-168.2
0	-1.8	160.0	127	-168.5
660	-0.9	161.7	126	-167.7
0	0.5	163.4	124	-167.1
661	1.2	165.0	122	-166.1
0	0.8	166.7	121	-164.7
662	0.0	168.3	119	-163.7
0	-0.5	170.0	117	-162.9
663	0.1	171.6	116	-162.3
0	1.6	173.2	114	-161.5
664	2.3	174.8	113	-160.0
0	2.6	176.4	111	-158.6
665	2.7	178.0	109	-157.0
0	3.0	179.5	108	-155.4
666	4.6	181.1	106	-153.6
0	5.8	182.6	105	-151.2
667	6.0	184.1	103	-149.0
0	5.6	185.6	102	-146.4
668	6.2	187.0	100	-143.7
0	4.9	188.4	99	-151.4
669	-2.3	189.6	98	-120.5
0	-2.6	190.7	97	-96.1
670				
0				
671				
0				
672				
0				
673				

697	-6.0	191.7	96	-95.3
0	-16.3	192.6	95	-76.1
698	-20.2	193.4	94	-83.0
0	-14.4	194.0	93	-60.1
699	-2.6	194.7	93	-64.1
0	0.5	195.2	92	-51.1
700	0.0	195.6	92	-44.9
0	3.4	196.0	91	-35.6
701	9.8	196.4	91	-34.6
0	12.6	196.7	91	-26.6
702	11.7	197.0	90	-25.8
0	8.5	197.2	90	-20.4
703	6.2	197.4	90	-20.2
0	7.5	197.6	90	-16.5
704	11.9	197.8	90	-17.0
0	16.7	197.9	90	-11.7
705	19.4	198.0	89	-5.8
0	18.4	198.0	89	-0.7
706	17.5	198.0	89	0.5
0	17.2	197.9	90	4.7
707	17.6	197.9	90	8.7
0	19.0	197.7	90	13.3
708	20.3	197.5	90	18.1
0	20.9	197.3	90	22.8
709	20.2	197.0	90	34.0
0	18.8	196.7	91	36.4
710	18.0	196.3	91	37.2
0	18.4	195.8	92	41.5
711	19.4	195.3	92	46.3
0	20.3	194.7	93	62.2
712	20.6	194.2	93	61.7
0	20.2	193.5	94	60.6
713	19.4	192.8	95	65.2
0	18.4	192.0	95	85.4
714	18.3	191.2	96	90.7
0	18.8	190.3	97	96.1
715	19.5	189.4	98	101.6
0	19.8	188.4	99	107.0
716	19.9	187.4	100	112.6
0	19.1	186.4	101	107.5
717	18.2	185.2	102	112.8
0	18.0	184.1	103	117.6
718	18.6	182.9	105	122.4
0	18.8	181.6	106	127.5
719	18.3	180.3	107	132.0
0	17.5	178.9	109	137.1
720	17.4	177.5	110	141.6
0	16.7	176.1	111	145.8
721	16.4	174.6	113	150.1
0	16.5	173.1	114	154.4
722	16.4	171.5	116	158.4
0	15.9	169.9	118	162.6
723	15.9	168.2	119	166.3
0	14.9	166.5	121	170.1
724				
0				
725				
0				
726				
0				
727				

751	14.4	164.8	12	174.1
0	14.2	163.0	3	177.3
752	14.5	161.2	12	180.7
0	14.6	159.4	4	184.2
753	14.0	157.5	12	187.6
0	12.9	155.6	6	190.8
754	12.3	153.7	12	193.8
0	12.7	151.7	8	196.4
755	13.6	149.7	13	199.4
0	13.2	147.7	0	202.5
756	11.5	145.7	13	205.2
0	9.6	143.6	2	207.6
757	9.2	141.5	13	209.5
0	9.9	139.4	4	210.8
758	10.4	137.3	13	213.2
0	10.2	135.1	6	215.1
759	9.2	133.0	13	216.7
0	7.9	130.8	8	218.5
760	7.1	128.6	14	219.9
0	6.4	126.4	0	220.9
761	6.6	124.2	14	221.7
0	7.2	121.9	2	222.5
762	6.9	119.7	14	223.8
0	6.2	117.5	4	224.6
763	5.4	115.2	14	225.2
0	4.5	113.0	6	226.0
764	3.4	110.7	14	226.0
0	2.6	108.4	8	226.0
765	2.3	106.2	15	225.7
0	2.2	103.9	0	225.7
766	2.2	101.7	15	224.9
0	1.8	99.4	2	224.4
767	-0.9	97.2	15	223.6
0	-5.4	95.0	4	222.0
768	-7.5	92.8	15	218.8
0	-5.3	90.6	7	215.6
769	-1.6	88.5	15	213.5
0	-1.1	86.3	9	212.1
770	-5.0	84.2	16	210.5
0	-9.6	82.1	1	207.6
771	-11.5	80.1	16	203.3
0	-10.8	78.1	3	199.1
772	-10.7	76.1	16	195.1
0	-12.5	74.2	6	190.8
773	-15.3	72.3	16	186.0
0	-17.9	70.5	8	180.4
774	-19.7	68.8	17	173.8
0	-20.1	67.1	0	166.9
775	-15.3	65.6	17	151.2
0	-3.1	64.2	2	145.0
776	1.9	63.0	17	115.8
0	1.4	61.9	4	109.9
777	1.4	61.1	17	86.7
0	0.9	60.3	7	81.9
778			17	
0			9	
779			18	
0			1	
780			18	
0			4	
781			18	

805	0.3	59.6	22	64.9
0	-0.3	59.1	8	56.1
806	-9.2	58.6	22	47.9
0	-21.4	58.1	8	39.1
807	-26.7	57.8	22	28.4
0	-23.3	57.5	9	24.4
808	-17.6	57.3	22	17.0
0	-14.4	57.2	9	15.9
809	-16.0	57.1	23	10.3
0	-19.4	57.0	0	4.7
810	-21.3	57.0	23	-0.5
0	-21.7	57.0	0	-2.9
811	-20.3	57.1	23	-9.5
0	-18.6	57.2	0	-13.8
812	-18.3	57.4	23	-20.4
0	-19.5	57.6	0	-23.9
813	-20.7	57.9	23	-26.0
0	-19.8	58.2	0	-38.3
814	-16.7	58.6	23	-43.3
0	-13.6	59.1	0	-48.7
815	-13.0	59.5	23	-47.6
0	-15.1	60.0	0	-46.3
816	-18.2	60.6	23	-60.6
0	-19.9	61.1	0	-60.1
817	-20.3	61.8	23	-58.8
0	-19.1	62.5	0	-63.6
818	-17.1	63.2	23	-68.1
0	-15.5	64.0	0	-72.1
819	-15.5	64.9	23	-84.1
0	-16.1	65.8	0	-96.6
820	-16.0	66.7	23	-101.4
0	-15.1	67.6	0	-105.6
821	-14.4	68.6	23	-99.8
0	-14.1	69.6	0	-103.8
822	-14.6	70.7	22	-107.2
0	-14.8	71.8	9	-111.2
823	-14.1	73.0	22	-115.0
0	-12.7	74.1	9	-118.7
824	-11.0	75.3	22	-121.6
0	-10.2	76.6	8	-124.3
825	-10.6	77.8	22	-126.9
0	-11.3	79.1	8	-129.3
826	-11.0	80.4	22	-132.0
0	-9.6	81.8	7	-134.4
827	-8.3	83.1	22	-136.8
0	-7.9	84.5	7	-138.4
828	-9.2	85.9	22	-140.2
0	-10.6	87.3	6	-142.1
829	-11.7	88.8	22	-144.8
0	-10.8	90.2	6	-147.2
830	-9.2	91.7	22	-149.6
0	-7.1	93.2	5	-151.4
831	-6.6	94.8	22	-152.8
0	-8.5	96.3	4	-154.4
832			22	
0			3	
833			22	
0			3	
834			22	
0			2	
835			22	

859	-10.7	97.9	190	-155.7
0	-11.5	99.4	188	-158.6
860	-10.2	101.0	186	-161.3
0	-7.9	102.7	185	-162.9
861	-7.1	104.3	183	-164.7
0	-8.1	106.0	181	-165.8
862	-10.7	107.6	180	-167.7
0	-12.3	109.3	178	-170.1
863	-11.0	111.1	176	-173.0
0	-8.9	112.8	175	-175.1
864	-7.3	114.6	173	-177.0
0	-7.2	116.4	171	-178.3
865	-8.3	118.2	169	-179.7
0	-8.8	120.0	167	-181.2
866	-8.1	121.8	166	-182.8
0	-7.3	123.6	164	-184.7
867	-7.2	125.5	162	-186.3
0	-7.2	127.4	160	-187.1
868	-6.9	129.2	158	-188.7
0	-6.1	131.1	156	-189.8
869	-5.7	133.0	154	-190.3
0	-5.3	134.9	153	-190.8
870	-3.9	136.9	151	-191.9
0	-2.7	138.8	149	-191.6
871	-2.7	140.7	147	-191.9
0	-3.1	142.6	145	-191.9
872	-3.7	144.5	143	-191.9
0	-3.9	146.4	141	-191.9
873	-3.7	148.4	139	-191.9
0	-3.3	150.3	137	-191.9
874	-2.7	152.2	135	-191.9
0	-2.3	154.1	133	-191.9
875	-2.2	156.0	131	-191.6
0	-2.0	158.0	129	-191.6
876	-2.0	159.9	128	-191.1
0	-1.9	161.8	126	-190.6
877	-0.5	163.7	124	-190.3
0	3.1	165.6	122	-189.5
878	6.1	167.5	120	-186.6
0	4.9	169.3	118	-184.2
879	2.2	171.1	116	-182.3
0	0.1	173.0	114	-181.0
880	-0.3	174.8	113	-179.9
0	1.2	176.6	111	-179.4
881	3.9	178.3	109	-177.5
0	6.2	180.1	107	-175.1
882	6.6	181.8	106	-172.5
0	3.7	183.5	104	-170.1
883	1.1	185.2	102	-168.2
0	0.8	186.9	101	-167.4
884	1.8	188.5	99	-178.6
0	-3.1	189.9	98	-140.0
885	-4.3	191.2	96	-120.5
0	-19.4	192.3	95	-106.4
886				
0				
887				
0				
888				
0				
889				

913	-35.1	193.2	94	-93.1
0	-35.9	194.1	93	-89.4
914	-25.4	194.8	93	-69.7
0	-7.2	195.5	92	-64.4
915	0.1	195.9	92	-49.7
0	-0.5	196.4	91	-47.3
916	-0.3	196.8	91	-37.5
0	-0.4	197.1	90	-35.4
917	-0.1	197.4	90	-27.6
0	1.2	197.7	90	-26.3
918	4.3	197.9	90	-20.2
0	9.4	198.1	89	-18.6
919	12.6	198.2	89	-13.3
0	13.4	198.3	89	-10.3
920	12.6	198.4	89	-6.1
0	12.2	198.4	89	-2.6
921	14.1	198.4	89	0.5
0	18.0	198.4	89	1.5
922	21.6	198.3	89	6.3
0	21.6	198.2	89	11.4
923	18.2	198.0	89	20.7
0	14.9	197.8	90	23.4
924	14.0	197.6	90	24.7
0	16.1	197.3	90	34.6
925	19.8	196.9	91	39.1
0	21.7	196.5	91	45.2
926	21.2	196.1	91	46.5
0	18.6	195.6	92	47.1
927	16.0	195.0	92	62.5
0	15.7	194.4	93	67.8
928	17.5	193.7	94	72.6
0	19.5	193.1	94	70.5
929	20.1	192.3	95	82.2
0	18.6	191.5	96	89.4
930	16.4	190.7	97	85.7
0	14.8	189.8	98	81.1
931	15.5	188.8	99	84.3
0	17.9	187.9	100	88.1
932	19.8	186.8	101	102.7
0	20.5	185.8	102	108.0
933	19.0	184.6	103	113.4
0	17.2	183.5	104	118.4
934	15.9	182.2	105	122.9
0	15.6	181.0	106	126.9
935	15.9	179.7	108	131.2
0	17.6	178.3	109	135.5
936	18.4	176.9	111	140.0
0	17.8	175.5	112	144.8
937	16.3	174.0	113	149.0
0	15.1	172.5	115	153.0
938	13.7	170.9	117	156.8
0	14.1	169.4	118	160.2
939	15.6	167.7	120	163.7
0	15.9	166.1	121	167.7
940				
0				
941				
0				
942				
0				
943				

9670	14.6	164.4	12	171.1
9680	12.3	162.6	3	174.6
9690	10.8	160.8	12	177.5
9700	11.1	159.1	5	179.9
9710	11.8	157.2	12	182.3
9720	12.6	155.4	7	185.0
9730	12.2	153.5	12	187.9
9740	11.1	151.6	8	190.3
9750	9.4	149.7	13	193.0
9760	8.4	147.8	0	194.8
9770	8.4	145.8	13	196.2
9780	9.1	143.8	2	197.8
9790	10.4	141.8	13	199.4
9800	10.6	139.8	4	201.5
9810	8.8	137.8	13	203.9
9820	6.5	135.7	6	204.9
9830	5.6	133.7	13	206.0
9840	5.8	131.6	8	207.1
9850	6.6	129.5	14	207.9
9860	6.9	127.5	0	208.7
9870	6.0	125.4	14	209.7
9880	5.2	123.2	2	210.5
9890	4.5	121.1	14	210.8
9900	4.3	119.0	4	211.3
9910	4.6	116.9	14	211.6
9920	4.6	114.8	6	212.1
9930	3.8	112.7	14	212.7
9940	2.6	110.5	8	212.4
9950	2.0	108.4	15	212.1
9960	2.0	106.3	0	211.9
9970	1.8	104.2	15	211.3
9980	0.9	102.1	2	211.1
9990	-3.5	100.0	15	209.7
10000	-6.8	97.9	4	207.1
10010	-5.0	95.8	15	204.1
10020	-1.5	93.8	6	202.0
10030	0.0	91.8	15	200.9
10040	-1.2	89.8	8	199.6
10050	-4.7	87.8	16	198.0
10060	-7.6	85.9	0	195.6
10070	-8.4	83.9	16	192.2
10080	-6.0	82.0	2	188.7
10090	-4.1	80.2	16	186.0
10100	-4.7	78.3	4	183.6
10110	-9.1	76.5	16	181.0
10120	-14.4	74.7	6	177.0
10130	-16.7	73.0	16	171.7
10140	-15.6	71.3	8	166.1
10150	-13.6	69.7	17	161.0
10160	-13.2	68.1	1	156.0
10170	-14.5	66.6	17	150.1
10180	-10.2	65.2	3	145.8
10190	-1.1	64.1	17	105.6
10200	1.8	63.0	5	104.3

17

7

17

9

18

1

12

1021	1.2	62.0	22	100.0
0	1.1	61.2	5	80.1
1022	0.7	60.5	22	69.7
0	0.0	59.8	6	60.9
1023	-6.0	59.3	22	58.5
0	-17.6	58.8	7	45.2
1024	-25.6	58.5	22	37.5
0	-26.2	58.1	8	26.8
1025	-21.8	57.9	22	22.8
0	-17.4	57.7	8	15.7
1026	-16.5	57.6	22	12.5
0	-18.6	57.5	9	8.5
1027	-20.3	57.4	22	2.1
0	-21.2	57.4	9	-1.0
1028	-21.4	57.5	22	-5.3
0	-20.3	57.6	9	-10.1
1029	-19.7	57.7	23	-15.1
0	-20.9	57.9	0	-20.2
1030	-22.4	58.2	23	-30.6
0	-22.1	58.5	0	-33.8
1031	-19.4	58.9	23	-35.6
0	-15.6	59.3	0	-40.1
1032	-13.0	59.8	23	-48.9
0	-13.4	60.4	0	-57.7
1033	-15.9	60.9	23	-56.4
0	-18.7	61.5	0	-54.5
1034	-20.6	62.2	23	-71.8
0	-20.1	62.9	0	-77.7
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1036	-16.8	65.2	23	-93.7
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0	-16.8	68.0	0	-98.5
1038	-15.9	69.1	23	-103.5
0	-15.1	70.1	0	-107.2
1039	-15.6	71.2	22	-111.5
0	-16.0	72.4	9	-115.8
1040	-15.5	73.6	22	-119.5
0	-14.1	74.8	9	-123.7
1041	-12.9	76.1	22	-126.9
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1044	-12.1	84.3	22	-146.9
0	-11.1	85.8	7	-149.8
1045	-12.3	87.4	22	-152.8
0	-13.4	88.9	7	-155.7
1046	-13.6	90.5	22	-158.9
0	-11.3	92.1	6	-161.8
1047	-8.3	93.7	22	-164.7
0	-6.9	95.4	5	-165.8
1048			22	
0			5	
1049			22	
0			4	
1050			22	
0			3	
1051			22	

1075	-7.5	97.1	19	-167.4
0	-8.8	98.7	0	-169.0
1076	-8.5	100.5	18	-170.3
0	-6.8	102.2	9	-172.2
1077	-4.9	103.9	18	-173.3
0	-4.7	105.6	7	-173.8
1078	-6.5	107.4	18	-174.9
0	-7.7	109.1	5	-175.9
1079	-7.1	110.9	18	-177.3
0	-5.2	112.7	4	-178.6
1080	-3.3	114.5	18	-179.1
0	-2.6	116.3	2	-179.1
1081	-2.6	118.1	18	-179.1
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1082	-2.3	121.6	17	-178.6
0	-2.2	123.4	8	-178.6
1083	-2.3	125.2	17	-178.3
0	-2.2	127.0	7	-178.1
1084	-2.3	128.8	17	-178.1
0	-2.3	130.6	5	-177.8
1085	-2.4	132.3	17	-177.5
0	-2.4	134.1	3	-177.5
1086	-2.3	135.9	17	-177.5
0	-2.3	137.7	1	-177.0
1087	-2.2	139.4	16	-177.0
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1088	-2.2	143.0	16	-176.5
0	-2.0	144.7	8	-176.2
1089	-1.9	146.5	16	-176.2
0	-1.6	148.2	6	-175.4
1090	-0.5	150.0	16	-175.4
0	3.0	151.7	4	-174.1
1091	5.4	153.5	16	-171.9
0	4.5	155.2	2	-169.5
1092	1.5	156.9	16	-167.9
0	-1.1	158.5	0	-167.1
1093	-1.5	160.2	15	-166.6
0	0.3	161.9	9	-166.1
1094	3.8	163.5	15	-164.7
0	5.8	165.1	7	-162.6
1095	4.7	166.7	15	-159.7
0	2.8	168.3	5	-158.1
1096	0.4	169.9	15	-156.5
0	0.7	171.5	3	-155.4
1097	3.0	173.0	15	-154.4
0	4.5	174.5	2	-152.5
1098	5.4	176.0	15	-150.6
0	4.9	177.5	0	-148.0
1099	3.4	179.0	14	-146.1
0	3.4	180.4	8	-144.2
1100	3.9	181.9	14	-142.4
0	4.5	183.3	6	-140.5
1101	4.7	184.7	14	-138.4
0	5.6	186.0	4	-136.3
1102			14	
0			3	
1103			14	
0			1	
1104			13	
0			9	
1105			12	

1129	6.1	187.4	100	-133.6
0	2.6	188.7	99	-137.1
1130	-3.0	189.7	98	-110.7
0	-2.6	190.8	97	-88.6
1131	-10.2	191.7	96	-88.9
0	-20.5	192.5	95	-71.6
1132	-21.3	193.3	94	-78.5
0	-14.2	193.9	94	-63.6
1133	-2.8	194.5	93	-50.3
0	0.1	195.0	92	-49.2
1134	-0.4	195.4	92	-43.9
0	-0.1	195.8	92	-35.4
1135	0.3	196.2	91	-35.1
0	3.1	196.5	91	-28.2
1136	7.3	196.8	91	-27.1
0	9.9	197.0	90	-21.0
1137	9.9	197.3	90	-22.6
0	8.8	197.4	90	-17.3
1138	8.1	197.6	90	-16.7
0	9.2	197.7	90	-12.5
1139	11.8	197.8	90	-8.7
0	14.5	197.9	90	-6.6
1140	15.6	197.9	90	-1.8
0	16.1	197.9	90	0.2
1141	16.1	197.9	90	4.5
0	15.1	197.8	90	8.7
1142	14.2	197.7	90	12.2
0	14.6	197.6	90	16.2
1143	16.1	197.4	90	18.1
0	17.9	197.1	90	22.3
1144	19.0	196.9	91	26.6
0	19.1	196.5	91	31.1
1145	18.2	196.1	91	43.6
0	17.8	195.7	92	49.2
1146	17.9	195.2	92	49.7
0	18.2	194.7	93	48.9
1147	18.8	194.1	93	53.5
0	19.4	193.5	94	70.8
1148	19.3	192.8	95	76.1
0	17.9	192.1	95	74.2
1149	17.0	191.3	96	71.3
0	16.5	190.5	97	75.0
1150	17.2	189.6	98	79.0
0	18.4	188.7	99	83.0
1151	19.3	187.7	100	87.3
0	19.0	186.7	101	102.2
1152	16.8	185.6	102	107.0
0	15.6	184.5	103	111.8
1153	14.8	183.4	104	115.5
0	15.3	182.2	105	119.5
1154	16.1	181.0	106	123.5
0	17.0	179.7	108	127.7
1155	17.9	178.4	109	132.3
0	17.8	177.0	110	136.8
1156				
0				
1157				
0				
1158				
0				
1159				

1183	16.1	175.6	11	141.6
0	14.6	174.2	2	145.3
1184	13.4	172.7	11	149.0
0	13.0	171.2	3	152.2
1185	13.8	169.6	11	155.4
0	14.8	168.0	5	158.6
1186	14.1	166.4	11	162.1
0	12.9	164.8	6	165.5
1187	11.5	163.1	11	168.5
0	10.8	161.4	8	171.1
1188	11.5	159.7	11	173.5
0	12.2	157.9	9	176.2
1189	11.9	156.1	12	178.9
0	11.1	154.3	1	181.5
1190	9.9	152.5	12	183.9
0	9.6	150.6	3	186.0
1191	9.2	148.8	12	188.2
0	8.9	146.9	4	190.0
1192	8.0	145.0	12	191.6
0	7.6	143.0	6	193.0
1193	7.7	141.1	12	194.3
0	7.5	139.1	8	195.9
1194	6.5	137.2	13	197.0
0	5.6	135.2	0	197.8
1195	5.3	133.2	13	198.6
0	5.3	131.2	1	199.4
1196	5.7	129.2	13	200.1
0	5.4	127.2	3	200.7
1197	4.6	125.2	13	201.2
0	4.1	123.2	5	201.7
1198	3.7	121.2	13	202.0
0	3.5	119.1	7	202.0
1199	3.5	117.1	13	202.3
0	3.3	115.1	9	202.3
1200	2.6	113.1	14	202.3
0	2.0	111.0	1	202.0
1201	1.9	109.0	14	201.7
0	1.9	107.0	2	201.5
1202	1.6	105.0	14	201.2
0	-1.2	103.0	4	200.1
1203	-6.4	101.0	14	198.3
0	-6.8	99.0	6	195.4
1204	-2.6	97.1	14	193.0
0	0.4	95.2	8	191.4
1205	-0.9	93.3	15	190.6
0	-5.3	91.4	0	188.7
1206	-9.1	89.5	15	185.8
0	-8.8	87.7	2	182.3
1207	-6.0	85.9	15	178.9
0	-3.3	84.1	4	176.7
1208	-2.2	82.4	15	174.6
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1209	-6.9	78.9	15	170.3
0	-9.2	77.2	8	167.1
1210			16	
0			0	
1211			16	
0			2	
1212			16	
0			4	
1213			16	

1237	-9.6	75.6	21	163.4
0	-8.1	74.0	2	160.0
1238	-6.1	72.4	21	157.0
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1239	-8.7	69.3	21	151.7
0	-11.7	67.8	5	148.2
1240	-11.9	66.5	21	127.5
0	-3.7	65.1	7	138.1
1241	2.2	64.0	21	112.6
0	2.3	62.9	8	108.8
1242	6.5	62.1	22	87.8
0	9.4	61.3	0	77.7
1243	5.7	60.5	22	67.8
0	-0.5	59.9	1	59.9
1244	-0.3	59.4	22	52.7
0	-2.6	58.9	2	46.3
1245	-14.4	58.5	22	43.3
0	-21.8	58.2	3	32.4
1246	-22.4	57.9	22	28.4
0	-18.0	57.7	5	19.9
1247	-13.0	57.5	22	13.8
0	-11.5	57.4	5	11.1
1248	-14.2	57.3	22	9.0
0	-17.4	57.2	6	3.7
1249	-18.6	57.2	22	-0.7
0	-20.2	57.2	7	-1.8
1250	-21.2	57.3	22	-8.5
0	-22.0	57.4	8	-14.9
1251	-22.1	57.6	22	-21.5
0	-21.7	57.8	8	-27.9
1252	-20.3	58.1	22	-34.6
0	-18.3	58.5	9	-37.0
1253	-16.7	58.9	22	-37.8
0	-16.0	59.3	9	-41.7
1254	-16.5	59.9	22	-55.6
0	-17.8	60.4	9	-55.1
1255	-18.7	61.0	23	-54.0
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1256	-19.4	62.3	23	-76.6
0	-19.1	63.0	0	-74.8
1257	-17.9	63.8	23	-72.1
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1258	-17.6	65.5	23	-80.1
0	-18.2	66.4	0	-84.3
1259	-19.0	67.4	23	-88.3
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1260	-21.6	69.6	23	-109.1
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1261	-23.6	71.9	23	-121.1
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1263	-20.9	77.3	23	-145.3
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0			0	
1265			23	
0			0	
1266			23	
0			0	
1267			23	

1291	-21.6	80.3	207	-156.5
0	-23.7	81.9	206	-161.8
1292	-25.4	83.6	204	-168.2
0	-25.9	85.3	202	-175.1
1293	-25.8	87.1	200	-181.5
0	-25.1	89.0	198	-188.2
1294	-24.3	90.9	197	-194.8
0	-23.2	92.9	195	-200.9
1295	-22.2	95.0	192	-206.5
0	-21.8	97.1	190	-212.1
1296	-20.5	99.3	188	-217.7
0	-17.5	101.5	186	-222.5
1297	-14.4	103.7	184	-226.5
0	-13.4	106.0	181	-229.4
1298	-14.5	108.3	179	-232.9
0	-14.8	110.7	177	-235.8
1299	-13.3	113.1	174	-239.0
0	-10.7	115.5	172	-241.4
1300	-7.9	117.9	170	-243.3
0	-5.4	120.4	167	-244.3
1301	-4.6	122.8	165	-245.1
0	-4.9	125.3	162	-245.4
1302	-4.3	127.7	160	-245.4
0	-2.8	130.2	157	-245.4
1303	-2.3	132.6	155	-244.9
0	-2.2	135.1	152	-244.6
1304	-0.4	137.5	150	-244.1
0	6.5	139.9	148	-241.9
1305	10.3	142.3	145	-238.2
0	6.6	144.7	143	-234.2
1306	-0.4	147.0	140	-232.1
0	-3.1	149.3	138	-231.3
1307	-2.6	151.6	136	-231.3
0	-2.2	154.0	133	-231.0
1308	0.3	156.3	131	-230.2
0	5.6	158.5	129	-228.4
1309	7.1	160.8	127	-225.7
0	6.0	163.0	124	-222.5
1310	2.7	165.2	122	-219.9
0	1.5	167.4	120	-218.3
1311	2.8	169.6	118	-216.7
0	7.1	171.8	116	-214.5
1312	10.6	173.9	114	-210.5
0	10.8	176.0	111	-206.8
1313	8.0	178.0	109	-202.5
0	4.7	180.0	107	-199.6
1314	3.0	182.0	105	-197.8
0	3.1	183.9	104	-195.9
1315	5.4	185.9	102	-193.2
0	8.1	187.7	100	-171.7
1316	1.8	189.5	98	-153.0
0	-3.7	191.0	96	-145.0
1317	-20.6	192.3	95	-135.7
0	-43.5	193.4	94	-106.4
1318				
0				
1319				
0				
1320				
0				
1321				

1345	-50.7	194.3	93	-91.0
0	-37.4	195.2	92	-84.1
1346	-16.5	195.8	92	-62.8
0	0.9	196.4	91	-56.7
1347	0.0	196.8	91	-43.6
0	-0.7	197.2	90	-36.7
1348	-0.9	197.5	90	-27.9
0	-0.9	197.8	90	-28.7
1349	-0.8	198.0	89	-22.3
0	-1.1	198.2	89	-20.2
1350	-0.4	198.4	89	-15.9
0	0.3	198.5	89	-14.9
1351	0.3	198.6	89	-11.1
0	0.9	198.7	89	-10.3
1352	8.9	198.8	89	-7.7
0	21.2	198.9	89	-3.1
1353	25.8	198.9	89	1.3
0	21.2	198.8	89	5.8
1354	10.7	198.7	89	10.1
0	2.6	198.6	89	12.7
1355	3.0	198.4	89	16.7
0	11.1	198.3	89	15.9
1356	21.2	198.1	89	21.8
0	24.0	197.8	90	25.2
1357	19.4	197.5	90	28.4
0	10.4	197.2	90	39.9
1358	6.0	196.8	91	39.1
0	8.7	196.4	91	36.7
1359	15.9	196.0	91	38.8
0	22.4	195.5	92	42.8
1360	22.6	195.0	92	59.1
0	17.4	194.4	93	59.6
1361	10.0	193.8	94	70.2
0	7.1	193.1	94	66.0
1362	10.0	192.5	95	61.2
0	16.5	191.8	96	64.1
1363	21.0	191.0	96	67.8
0	20.3	190.2	97	72.6
1364	14.9	189.4	98	77.4
0	9.6	188.4	99	98.5
1365	9.2	187.5	100	101.1
0	12.7	186.6	101	94.5
1366	17.4	185.6	102	97.9
0	19.5	184.6	103	102.4
1367	17.2	183.5	104	107.8
0	12.9	182.4	105	112.0
1368	9.1	181.3	106	115.2
0	8.1	180.1	107	117.4
1369	11.4	178.9	109	119.5
0	15.7	177.7	110	122.7
1370	17.2	176.4	111	126.9
0	14.8	175.1	112	131.2
1371	10.2	173.8	114	134.7
0	6.5	172.4	115	136.8
1372				
0				
1373				
0				
1374				
0				
1375				

1399	6.6	171.1	11	138.1
0	10.6	169.7	6	140.0
1400	14.2	168.3	11	142.1
0	14.8	166.8	8	145.6
1401	11.4	165.3	11	149.3
0	7.9	163.8	9	151.7
1402	6.0	162.3	12	153.6
0	7.6	160.7	1	154.6
1403	10.8	159.2	12	156.5
0	12.9	157.6	2	158.9
1404	11.5	156.0	12	162.1
0	8.7	154.3	4	164.5
1405	6.2	152.7	12	166.3
0	6.4	151.0	5	167.1
1406	8.4	149.3	12	168.5
0	10.2	147.6	7	170.3
1407	10.2	145.9	12	172.5
0	8.0	144.2	8	174.6
1408	5.8	142.4	13	175.9
0	5.2	140.6	0	176.7
1409	5.7	138.9	13	177.5
0	6.9	137.1	1	178.6
1410	7.5	135.3	13	179.9
0	6.9	133.5	3	181.0
1411	5.2	131.7	13	182.0
0	3.5	129.8	5	182.8
1412	3.0	128.0	13	182.8
0	3.0	126.2	6	182.8
1413	3.4	124.3	13	183.1
0	3.5	122.5	8	183.1
1414	3.1	120.7	14	182.8
0	2.7	118.8	0	183.1
1415	2.2	117.0	14	183.1
0	2.0	115.2	2	182.8
1416	2.0	113.4	14	182.6
0	2.0	111.5	3	182.3
1417	1.9	109.7	14	182.0
0	1.8	107.9	5	181.8
1418	1.8	106.1	14	181.5
0	1.2	104.3	7	181.2
1419	-1.5	102.4	14	180.4
0	-5.0	100.7	9	178.6
1420	-3.8	98.9	15	176.5
0	0.4	97.1	0	174.9
1421	2.3	95.4	15	174.6
0	1.8	93.6	2	174.3
1422	0.0	91.9	15	174.1
0	-3.3	90.2	4	172.5
1423	-5.2	88.5	15	170.6
0	-4.5	86.8	6	168.2
1424	-3.1	85.1	15	166.3
0	-2.8	83.5	8	164.7
1425	-3.8	81.8	15	163.4
0	-5.6	80.2	9	161.0
1426			16	
0			1	
1427			16	
0			3	
1428			16	
0			5	
1429			16	

1453	-7.2	78.6	20	158.6
0	-7.7	77.0	9	155.7
1454	-7.7	75.5	21	152.5
0	-7.1	74.0	0	149.6
1455	-6.4	72.5	21	146.9
0	-6.6	71.1	2	144.2
1456	-8.5	69.7	21	141.0
0	-10.0	68.3	3	137.9
1457	-10.6	67.0	21	120.8
0	-6.0	65.7	5	121.1
1458	2.3	64.6	21	109.6
0	1.9	63.6	6	98.5
1459	1.8	62.7	21	78.5
0	2.7	61.9	8	78.0
1460	3.8	61.2	21	69.7
0	1.4	60.5	9	55.3
1461	-0.1	60.0	22	54.8
0	-0.8	59.5	0	48.9
1462	-11.1	59.0	22	38.6
0	-22.4	58.6	2	35.9
1463	-24.7	58.3	22	31.9
0	-19.5	58.1	3	22.6
1464	-12.7	57.9	22	15.9
0	-9.8	57.7	4	14.9
1465	-13.2	57.6	22	11.9
0	-18.3	57.5	5	6.6
1466	-20.3	57.5	22	1.8
0	-19.4	57.5	6	-1.3
1467	-18.4	57.5	22	-5.0
0	-18.6	57.6	6	-9.3
1468	-20.5	57.8	22	-13.8
0	-22.4	58.0	7	-18.9
1469	-22.0	58.2	22	-29.5
0	-19.3	58.6	7	-36.2
1470	-15.7	58.9	22	-41.7
0	-14.0	59.3	8	-46.3
1471	-14.6	59.8	22	-45.7
0	-16.5	60.3	8	-45.2
1472	-18.0	60.8	22	-60.1
0	-17.9	61.4	9	-59.3
1473	-17.0	62.0	22	-57.5
0	-16.3	62.7	9	-61.4
1474	-16.0	63.4	22	-65.7
0	-16.0	64.1	9	-69.2
1475	-16.5	65.0	23	-88.9
0	-17.1	65.8	0	-93.9
1476	-17.4	66.7	23	-98.7
0	-18.0	67.6	0	-103.5
1477	-19.4	68.6	23	-99.0
0	-20.3	69.7	0	-104.6
1478	-19.8	70.7	23	-109.6
0	-18.2	71.9	0	-115.0
1479	-16.1	73.1	23	-119.8
0	-14.8	74.3	0	-124.0
1480			23	
0			0	
1481			23	
0			0	
1482			23	
0			0	
1483			23	

1507	-14.6	75.6	21	-127.7
0	-16.1	76.9	2	-131.5
1508	-17.8	78.2	21	-135.7
0	-17.9	79.6	1	-140.2
1509	-15.7	81.0	20	-144.5
0	-12.3	82.5	9	-148.5
1510	-11.0	84.0	20	-151.4
0	-12.2	85.6	8	-154.1
1511	-15.1	87.1	20	-156.8
0	-16.7	88.7	6	-160.7
1512	-14.9	90.4	20	-165.0
0	-10.6	92.0	5	-167.9
1513	-7.1	93.7	20	-170.6
0	-7.2	95.5	3	-171.7
1514	-10.6	97.2	20	-173.3
0	-12.5	98.9	2	-175.7
1515	-11.1	100.7	20	-178.3
0	-7.7	102.5	0	-180.4
1516	-5.2	104.3	19	-181.8
0	-6.0	106.1	9	-182.3
1517	-9.5	108.0	19	-183.4
0	-10.8	109.8	7	-185.5
1518	-8.9	111.7	19	-187.6
0	-5.6	113.6	5	-189.0
1519	-3.1	115.5	19	-190.0
0	-3.0	117.4	4	-190.0
1520	-3.9	119.3	19	-190.0
0	-5.2	121.2	2	-190.3
1521	-6.6	123.1	19	-191.4
0	-7.2	125.0	0	-192.2
1522	-6.5	127.0	18	-192.7
0	-4.9	128.9	9	-194.0
1523	-3.8	130.8	18	-194.6
0	-4.5	132.8	7	-194.6
1524	-6.4	134.7	18	-195.1
0	-7.1	136.7	5	-196.2
1525	-6.1	138.7	18	-197.2
0	-4.5	140.6	3	-197.8
1526	-3.8	142.6	18	-198.3
0	-4.3	144.6	1	-198.6
1527	-4.5	146.6	17	-198.8
0	-3.9	148.6	9	-199.1
1528	-3.0	150.6	17	-199.1
0	-2.4	152.6	8	-199.1
1529	-2.2	154.6	17	-198.8
0	-2.2	156.5	6	-198.6
1530	-2.0	158.5	17	-198.0
0	-1.8	160.5	4	-198.0
1531	0.1	162.5	17	-197.2
0	5.4	164.4	2	-195.4
1532	8.8	166.4	17	-192.7
0	8.0	168.3	0	-189.0
1533	4.3	170.1	16	-185.8
0	2.6	172.0	8	-183.9
1534			16	
0			6	
1535			16	
0			4	
1536			16	
0			2	
1537			16	

1561	3.4	173.8	114	-182.3
0	6.6	175.6	112	-179.7
1562	10.4	177.4	110	-176.5
0	11.8	179.1	108	-172.5
1563	10.8	180.8	107	-168.2
0	8.0	182.5	105	-164.2
1564	5.0	184.1	103	-161.8
0	5.2	185.7	102	-159.2
1565	8.7	187.3	100	-156.5
0	9.4	188.8	99	-160.5
1566	0.9	190.0	97	-126.4
0	-2.8	191.2	96	-100.3
1567	-3.7	192.2	95	-107.5
0	-13.6	193.1	94	-86.5
1568	-18.6	193.9	94	-83.5
0	-14.0	194.5	93	-66.8
1569	-3.4	195.1	92	-51.3
0	0.5	195.7	92	-49.5
1570	0.4	196.1	91	-47.3
0	8.8	196.5	91	-37.5
1571	18.2	196.8	91	-34.3
0	20.2	197.1	90	-25.5
1572	16.3	197.3	90	-22.0
0	10.0	197.5	90	-15.9
1573	7.6	197.6	90	-14.6
0	10.3	197.7	90	-10.9
1574	16.4	197.8	90	-6.3
0	21.7	197.8	90	-1.3
1575	24.0	197.8	90	1.3
0	22.5	197.8	90	6.6
1576	17.6	197.7	90	11.7
0	13.4	197.5	90	15.9
1577	13.7	197.3	90	19.4
0	17.8	197.1	90	22.3
1578	22.4	196.8	91	27.1
0	23.3	196.4	91	39.9
1579	20.6	196.0	91	42.3
0	16.4	195.5	92	43.1
1580	14.1	195.0	92	57.5
0	15.7	194.5	93	55.9
1581	19.9	193.9	94	60.4
0	23.9	193.2	94	59.1
1582	24.7	192.5	95	64.9
0	22.6	191.8	96	71.0
1583	18.7	190.9	97	93.1
0	16.1	190.1	97	89.1
1584	16.7	189.1	98	83.8
0	19.5	188.2	99	88.1
1585	22.6	187.1	100	103.0
0	22.1	186.0	101	109.4
1586	19.8	184.9	103	115.0
0	16.7	183.7	104	120.0
1587	15.1	182.5	105	124.5
0	15.6	181.2	106	128.3
1588				
0				
1589				
0				
1590				
0				
1591				

1615	17.1	179.9	10	132.5
0	18.4	178.5	8	137.1
1616	18.6	177.1	10	141.8
0	16.0	175.7	9	146.6
1617	13.4	174.2	11	150.4
0	11.5	172.6	0	153.8
1618	11.7	171.1	11	156.2
0	13.4	169.5	2	159.4
1619	15.2	167.9	11	162.3
0	14.5	166.2	3	165.8
1620	11.8	164.5	11	169.3
0	9.1	162.8	5	171.9
1621	8.0	161.1	11	173.8
0	9.2	159.3	6	175.4
1622	10.6	157.6	11	177.3
0	10.7	155.8	8	179.7
1623	9.4	154.0	12	181.8
0	7.5	152.1	0	183.6
1624	6.5	150.3	12	185.2
0	6.4	148.4	1	186.3
1625	7.1	146.6	12	187.1
0	7.3	144.7	3	188.4
1626	7.1	142.8	12	189.5
0	6.2	140.9	5	190.6
1627	5.2	139.0	12	191.6
0	4.5	137.0	6	192.4
1628	4.6	135.1	12	192.7
0	5.4	133.2	8	193.2
1629	5.7	131.2	13	193.8
0	5.3	129.3	0	194.6
1630	3.8	127.3	13	195.4
0	2.4	125.4	2	195.4
1631	2.3	123.4	13	195.4
0	2.2	121.5	3	194.8
1632	2.0	119.5	13	194.6
0	2.0	117.6	5	194.6
1633	1.9	115.7	13	194.0
0	1.8	113.7	7	193.5
1634	1.6	111.8	13	193.2
0	-0.7	109.8	9	192.4
1635	-4.2	107.9	14	190.8
0	-4.1	106.0	1	188.7
1636	-1.2	104.2	14	186.8
0	1.1	102.3	3	186.0
1637	1.8	100.5	14	185.2
0	0.4	98.6	5	185.0
1638	-1.1	96.8	14	183.9
0	-2.7	94.9	7	182.6
1639	-3.3	93.1	14	180.7
0	-2.0	91.3	8	179.1
1640	-0.7	89.5	15	177.8
0	-0.4	87.8	0	176.7
1641	-1.9	86.0	15	175.7
0	-4.6	84.3	2	173.5
1642			15	
0			4	
1643			15	
0			6	
1644			15	
0			8	
1645			16	

1669	-5.3	82.5	20	171.1
0	-3.5	80.9	5	168.7
1670	-1.1	79.2	20	167.4
0	-1.1	77.5	7	165.8
1671	-3.3	75.9	20	164.5
0	-6.1	74.2	8	162.6
1672	-6.9	72.6	21	160.0
0	-6.0	71.0	0	157.3
1673	-5.3	69.5	21	154.9
0	-6.1	68.0	2	152.5
1674	-7.3	66.5	21	162.9
0	-2.7	65.2	3	131.2
1675	2.3	63.9	21	127.5
0	4.2	62.9	5	101.9
1676	12.1	62.0	21	90.2
0	16.7	61.2	6	71.3
1677	11.8	60.5	21	69.4
0	2.6	59.8	8	60.6
1678	-0.4	59.3	21	52.4
0	-0.1	58.8	9	41.5
1679	-8.0	58.4	22	39.9
0	-18.0	58.0	1	36.7
1680	-20.5	57.7	22	27.6
0	-17.4	57.5	2	24.2
1681	-11.7	57.3	22	17.8
0	-8.0	57.2	4	15.1
1682	-8.3	57.0	22	11.7
0	-11.5	56.9	5	10.3
1683	-15.1	56.8	22	5.8
0	-16.7	56.8	5	1.5
1684	-18.7	56.8	22	-0.5
0	-22.5	56.9	6	-5.0
1685	-25.5	57.0	22	-10.1
0	-25.8	57.1	7	-16.5
1686	-23.2	57.4	22	-22.6
0	-19.0	57.6	8	-28.2
1687	-15.9	58.0	22	-32.7
0	-15.2	58.4	8	-36.7
1688	-16.7	58.9	22	-49.2
0	-18.4	59.3	9	-49.2
1689	-19.3	59.8	22	-48.7
0	-18.6	60.4	9	-65.2
1690	-17.0	61.0	22	-64.1
0	-16.3	61.7	9	-68.4
1691	-16.3	62.4	23	-65.2
0	-15.9	63.2	0	-84.6
1692	-14.5	64.0	23	-87.8
0	-13.6	64.9	0	-92.9
1693	-13.4	65.7	23	-96.9
0	-14.5	66.6	0	-100.8
1694	-15.9	67.6	23	-104.6
0	-16.8	68.6	0	-99.3
1695	-16.1	69.6	23	-104.0
0	-14.4	70.7	0	-108.0
1696			23	
0			1	
1697			23	
0			1	
1698			23	
0			1	
1699			23	

1723	-13.2	71.8	21	-111.8
0	-13.6	72.9	6	-115.2
1724	-15.1	74.1	21	-118.7
0	-16.3	75.3	5	-122.4
1725	-16.8	76.6	21	-126.7
0	-16.8	77.9	3	-131.2
1726	-15.9	79.2	21	-134.9
0	-14.8	80.6	2	-139.2
1727	-13.0	82.0	21	-142.9
0	-10.7	83.5	1	-146.1
1728	-8.4	85.0	21	-148.5
0	-9.4	86.5	0	-150.4
1729	-11.3	88.0	20	-152.5
0	-12.6	89.5	8	-154.9
1730	-11.1	91.1	20	-157.8
0	-7.7	92.7	7	-160.2
1731	-5.3	94.3	20	-161.8
0	-7.3	95.9	5	-162.6
1732	-11.7	97.6	20	-163.9
0	-14.2	99.2	4	-166.9
1733	-13.0	100.9	20	-169.8
0	-8.8	102.6	2	-172.5
1734	-5.2	104.4	20	-174.1
0	-5.2	106.1	1	-174.6
1735	-8.8	107.9	19	-175.7
0	-11.3	109.6	9	-177.3
1736	-10.8	111.4	19	-179.7
0	-8.9	113.3	8	-182.0
1737	-6.8	115.1	19	-183.9
0	-6.4	116.9	6	-184.7
1738	-7.2	118.8	19	-185.8
0	-8.1	120.7	5	-187.4
1739	-7.7	122.5	19	-188.7
0	-6.4	124.4	3	-189.8
1740	-5.0	126.4	19	-190.8
0	-3.9	128.3	2	-191.4
1741	-3.5	130.2	19	-191.4
0	-4.2	132.1	0	-191.6
1742	-5.7	134.0	18	-192.4
0	-6.2	135.9	8	-193.0
1743	-5.2	137.9	18	-193.5
0	-3.4	139.8	7	-194.0
1744	-2.7	141.8	18	-194.3
0	-3.0	143.7	5	-194.0
1745	-3.1	145.6	18	-194.0
0	-2.7	147.6	3	-194.0
1746	-2.6	149.5	18	-194.0
0	-2.4	151.5	1	-193.8
1747	-2.4	153.4	18	-193.5
0	-2.3	155.3	0	-193.5
1748	-2.2	157.3	17	-193.2
0	-2.0	159.2	8	-192.7
1749	-2.2	161.1	17	-192.4
0	-1.6	163.0	6	-192.2
1750			17	
0			4	
1751			17	
0			2	
1752			17	
0			1	
1753			16	

1777	0.4	165.0	122	-191.4
0	5.3	166.9	121	-189.5
1778	8.8	168.7	119	-186.8
0	7.2	170.6	117	-183.4
1779	3.7	172.4	115	-180.7
0	0.3	174.2	113	-179.1
1780	0.4	176.0	111	-178.1
0	3.9	177.8	110	-176.7
1781	8.4	179.5	108	-174.1
0	11.1	181.2	106	-170.6
1782	9.4	182.9	105	-166.3
0	5.0	184.5	103	-163.7
1783	1.9	186.2	101	-161.5
0	2.4	187.7	100	-143.7
1784	0.7	189.2	98	-129.9
0	-2.6	190.5	97	-125.9
1785	-3.7	191.7	96	-109.1
0	-14.8	192.6	95	-96.3
1786	-25.8	193.5	94	-84.6
0	-24.5	194.3	93	-66.5
1787	-13.8	194.9	93	-63.6
0	0.5	195.5	92	-54.3
1788	0.3	196.0	91	-46.8
0	0.5	196.4	91	-36.4
1789	6.0	196.8	91	-38.0
0	11.4	197.1	90	-29.5
1790	12.6	197.3	90	-27.4
0	11.0	197.6	90	-21.5
1791	8.8	197.8	90	-20.4
0	8.7	197.9	90	-16.2
1792	11.5	198.1	89	-14.9
0	14.9	198.2	89	-9.5
1793	17.5	198.2	89	-4.5
0	17.9	198.2	89	0.5
1794	18.2	198.2	89	1.5
0	17.2	198.2	89	7.4
1795	15.3	198.1	89	11.9
0	14.5	197.9	90	16.2
1796	15.5	197.8	90	21.0
0	17.0	197.5	90	23.1
1797	17.8	197.3	90	27.9
0	17.4	197.0	90	32.7
1798	16.1	196.6	91	33.8
0	14.9	196.2	91	45.7
1799	15.1	195.7	92	50.0
0	15.7	195.3	92	49.5
1800	16.7	194.7	93	48.4
0	16.8	194.2	93	52.4
1801	16.0	193.5	94	56.4
0	14.9	192.9	95	73.4
1802	14.2	192.2	95	70.8
0	14.8	191.5	96	67.0
1803	15.9	190.7	97	70.8
0	16.8	189.9	98	75.6
1804				
0				
1805				
0				
1806				
0				
1807				

1831	17.0	189.0	98	78.2
0	16.7	188.1	99	81.9
1832	16.3	187.1	100	95.5
0	15.7	186.1	101	99.8
1833	15.7	185.1	102	103.8
0	15.6	184.0	103	108.3
1834	16.1	182.9	105	112.3
0	15.9	181.8	106	116.6
1835	14.6	180.6	107	120.5
0	14.1	179.3	108	124.5
1836	14.4	178.1	109	128.3
0	15.3	176.7	111	131.7
1837	15.9	175.4	112	135.7
0	16.0	174.0	113	139.7
1838	15.6	172.6	115	143.7
0	14.1	171.1	116	147.4
1839	13.3	169.6	118	151.2
0	13.0	168.1	119	154.1
1840	13.0	166.5	121	157.6
0	13.3	164.9	123	160.7
1841	13.4	163.3	124	163.7
0	12.7	161.6	126	166.6
1842	12.3	159.9	128	169.8
0	11.1	158.2	129	172.5
1843	9.8	156.5	131	174.9
0	9.5	154.7	133	177.0
1844	9.5	152.9	135	179.1
0	10.2	151.1	136	181.0
1845	9.8	149.3	138	182.8
0	8.8	147.4	140	185.2
1846	7.9	145.6	142	186.8
0	7.3	143.7	144	188.2
1847	8.0	141.8	146	189.2
0	8.8	139.9	148	191.1
1848	8.1	138.0	149	192.7
0	6.6	136.0	151	194.0
1849	5.3	134.1	153	195.1
0	4.5	132.1	155	195.9
1850	4.2	130.2	157	196.2
0	4.3	128.2	159	196.4
1851	3.8	126.2	161	196.7
0	3.3	124.3	163	197.0
1852	2.6	122.3	165	196.7
0	2.2	120.3	167	196.7
1853	2.2	118.4	169	196.4
0	2.2	116.4	171	196.2
1854	2.2	114.4	173	196.2
0	2.0	112.5	175	195.4
1855	2.0	110.5	177	195.4
0	1.9	108.6	179	195.1
1856	1.8	106.6	181	194.6
0	0.5	104.7	183	194.0
1857	-2.7	102.8	185	193.0
0	-4.6	100.8	187	190.6
1858				
0				
1859				
0				
1860				
0				
1861				

1885	-2.6	99.0	18	188.7
0	0.5	97.1	8	187.9
1886	1.4	95.2	19	186.8
0	-0.7	93.3	0	186.3
1887	-4.2	91.5	19	185.0
0	-5.7	89.7	2	182.3
1888	-4.7	87.8	19	179.9
0	-3.1	86.1	4	177.8
1889	-2.8	84.3	19	175.9
0	-3.9	82.6	6	174.1
1890	-5.4	80.8	19	171.7
0	-6.6	79.1	8	169.0
1891	-7.3	77.5	20	166.1
0	-7.6	75.8	0	162.9
1892	-7.6	74.2	20	160.2
0	-7.3	72.6	1	157.0
1893	-8.0	71.1	20	154.4
0	-9.4	69.6	3	151.2
1894	-10.6	68.1	20	147.4
0	-11.3	66.6	5	142.4
1895	-5.4	65.4	20	127.2
0	2.0	64.2	7	102.2
1896	2.0	63.1	20	109.9
0	5.3	62.3	8	88.9
1897	11.4	61.5	21	79.3
0	11.5	60.7	0	62.8
1898	5.7	60.1	21	61.4
0	-0.9	59.5	2	53.5
1899	-0.1	59.1	21	47.3
0	-6.6	58.6	3	45.5
1900	-17.1	58.3	21	34.8
0	-22.1	58.0	5	28.7
1901	-19.7	57.7	21	19.9
0	-13.6	57.5	6	18.9
1902	-10.8	57.4	21	15.4
0	-13.3	57.3	8	9.8
1903	-17.9	57.2	21	6.3
0	-20.2	57.2	9	0.5
1904	-20.6	57.2	22	-1.3
0	-19.3	57.2	1	-6.3
1905	-18.2	57.3	22	-10.3
0	-18.6	57.5	2	-18.3
1906	-19.8	57.7	22	-21.5
0	-20.2	57.9	3	-24.2
1907	-18.4	58.3	22	-29.2
0	-14.8	58.6	4	-37.5
1908	-11.7	59.0	22	-45.2
0	-11.5	59.5	5	-48.4
1909	-13.8	59.9	22	-42.5
0	-16.7	60.4	6	-56.1
1910	-17.2	61.0	22	-55.3
0	-16.1	61.6	7	-53.7
1911	-14.4	62.2	22	-70.2
0	-13.0	62.9	7	-74.0
1912			22	
0			8	
1913			22	
0			8	
1914			22	
0			9	
1915			22	

1939	-12.1	63.6	22	-78.2
0	-11.9	64.3	4	-81.4
1940	-12.2	65.1	22	-84.1
0	-12.2	65.9	3	-88.1
1941	-12.1	66.7	22	-91.5
0	-12.6	67.5	2	-94.7
1942	-14.5	68.4	22	-89.4
0	-16.3	69.4	2	-93.7
1943	-17.2	70.3	22	-97.9
0	-17.0	71.3	1	-102.2
1944	-16.1	72.4	22	-107.2
0	-16.0	73.5	0	-111.0
1945	-17.1	74.6	21	-115.5
0	-18.3	75.8	9	-120.0
1946	-18.3	77.1	21	-124.8
0	-17.6	78.4	8	-129.3
1947	-15.5	79.7	21	-133.9
0	-13.0	81.0	7	-137.6
1948	-11.0	82.4	21	-141.0
0	-12.6	83.9	6	-143.4
1949	-15.3	85.3	21	-146.9
0	-17.4	86.8	5	-150.6
1950	-15.5	88.4	21	-155.2
0	-11.5	89.9	4	-158.6
1951	-9.2	91.6	21	-161.3
0	-10.6	93.2	3	-163.1
1952	-15.1	94.8	21	-165.5
0	-18.7	96.5	2	-169.5
1953	-18.2	98.2	21	-173.8
0	-13.2	100.0	0	-178.3
1954	-7.9	101.8	20	-181.2
0	-5.8	103.6	9	-182.6
1955	-8.9	105.5	20	-183.4
0	-14.1	107.3	8	-185.8
1956	-16.3	109.2	20	-189.0
0	-13.2	111.1	6	-192.7
1957	-8.4	113.1	20	-195.6
0	-6.2	115.1	5	-197.0
1958	-7.6	117.0	20	-197.8
0	-10.4	119.0	4	-198.8
1959	-11.3	121.0	20	-201.2
0	-9.4	123.1	2	-203.6
1960	-6.6	125.1	20	-204.7
0	-4.6	127.2	1	-205.5
1961	-4.3	129.2	19	-206.0
0	-5.4	131.3	9	-206.5
1962	-7.7	133.3	19	-207.3
0	-8.5	135.4	8	-208.4
1963	-6.4	137.5	19	-209.7
0	-3.3	139.6	6	-210.5
1964	-2.6	141.7	19	-210.5
0	-3.0	143.8	4	-210.5
1965	-3.3	145.9	19	-210.0
0	-3.5	148.0	3	-210.3
1966			19	
0			1	
1967			18	
0			9	
1968			18	
0			7	
1969			18	

1993	-4.1	150.1	137	-210.0
0	-4.3	152.3	135	-210.5
1994	-3.7	154.4	133	-210.5
0	-2.6	156.5	131	-210.5
1995	-2.3	158.6	129	-210.3
0	-2.3	160.7	127	-210.5
1996	-2.3	162.8	125	-210.0
0	-2.2	164.9	123	-209.5
1997	-1.9	167.0	120	-208.9
0	1.5	169.0	118	-208.4
1998	7.2	171.1	116	-206.3
0	10.2	173.2	114	-202.8
1999	7.3	175.2	112	-199.1
0	2.6	177.1	110	-196.4
2000	0.1	179.1	108	-194.8
0	2.0	181.0	106	-193.5
2001	5.8	182.9	105	-191.6
0	8.7	184.8	103	-189.0
2002	9.5	186.7	101	-185.0
0	7.6	188.5	99	-178.6
2003	-3.8	190.0	97	-153.6
0	-12.3	191.4	96	-142.4
2004	-32.8	192.6	95	-113.6
0	-43.3	193.6	94	-98.5
2005	-37.6	194.5	93	-92.3
0	-22.1	195.2	92	-63.0
2006	-3.0	195.8	92	-58.0
0	0.4	196.3	91	-43.9
2007	-0.5	196.8	91	-41.7
0	-0.5	197.1	90	-38.8
2008	-0.7	197.4	90	-30.3
0	-0.5	197.7	90	-27.9
2009	-0.4	197.9	90	-21.8
0	0.0	198.1	89	-18.6
2010	1.4	198.3	89	-14.1
0	7.1	198.4	89	-13.0
2011	14.6	198.5	89	-8.2
0	18.0	198.6	89	-5.0
2012	16.7	198.6	89	0.5
0	14.6	198.6	89	1.3
2013	12.7	198.5	89	6.9
0	12.9	198.5	89	10.1
2014	15.2	198.3	89	13.8
0	17.6	198.2	89	18.6
2015	18.3	198.0	89	23.6
0	16.8	197.7	90	29.5
2016	14.8	197.4	90	31.1
0	13.8	197.1	90	31.6
2017	15.5	196.7	91	35.1
0	18.0	196.3	91	43.1
2018	20.2	195.8	92	52.7
0	19.1	195.3	92	53.2
2019	16.0	194.7	93	52.4
0	13.3	194.1	93	68.6
2020				
0				
2021				
0				
2022				
0				
2023				

2047	12.7	193.5	94	59.1
0	14.5	192.8	95	62.2
2048	16.7	192.1	95	66.2
0	17.6	191.3	96	70.0
2049	16.8	190.4	97	90.5
0	15.3	189.6	98	93.9
2050	14.5	188.7	99	99.3
0	15.1	187.8	100	103.2
2051	16.5	186.8	101	97.9
0	17.5	185.8	102	102.2
2052	16.5	184.7	103	107.0
0	15.3	183.6	104	111.5
2053	14.0	182.5	105	115.5
0	13.0	181.3	106	119.0
2054	13.3	180.1	107	122.4
0	14.8	178.8	109	125.9
2055	16.0	177.5	110	129.6
0	15.7	176.2	111	133.6
2056	13.4	174.9	113	137.6
0	11.5	173.5	114	140.8
2057	9.8	172.0	115	143.4
0	9.5	170.6	117	145.8
2058	11.0	169.1	118	148.0
0	12.6	167.6	120	150.6
2059	12.7	166.1	121	153.8
0	11.4	164.5	123	156.8
2060	9.5	162.9	125	158.9
0	8.7	161.3	126	161.3
2061	8.9	159.7	128	163.1
0	9.6	158.0	129	165.0
2062	9.6	156.4	131	167.1
0	8.9	154.7	133	169.3
2063	8.3	153.0	134	171.1
0	8.0	151.3	136	172.7
2064	7.9	149.5	138	174.1
0	8.1	147.8	140	175.7
2065	8.1	146.0	141	177.3
0	7.5	144.2	143	178.9
2066	6.9	142.4	145	179.9
0	6.4	140.6	147	181.0
2067	5.7	138.8	149	182.0
0	5.3	137.0	150	182.8
2068	5.3	135.1	152	183.9
0	5.7	133.3	154	184.2
2069	5.8	131.4	156	185.2
0	5.7	129.6	158	186.0
2070	4.9	127.7	160	186.8
0	3.9	125.8	162	187.4
2071	3.7	124.0	163	187.6
0	3.7	122.1	165	187.9
2072	3.4	120.2	167	187.9
0	3.0	118.3	169	188.2
2073	2.4	116.4	171	188.2
0	2.0	114.6	173	187.9
2074				
0				
2075				
0				
2076				
0				
2077				

2101	1.9	112.7	17	187.9
0	1.9	110.8	5	187.4
2102	1.8	108.9	17	187.1
0	1.8	107.1	7	186.8
2103	1.5	105.2	17	186.3
0	-0.9	103.3	9	185.5
2104	-3.9	101.5	18	183.9
0	-2.8	99.7	0	182.0
2105	1.1	97.9	18	180.4
0	2.6	96.1	2	180.2
2106	1.9	94.3	18	180.2
0	1.4	92.5	4	179.7
2107	-0.4	90.7	18	179.1
0	-2.2	88.9	6	177.8
2108	-2.4	87.1	18	176.2
0	-2.0	85.4	8	174.6
2109	-1.6	83.6	19	173.5
0	-1.6	81.9	0	172.2
2110	-3.1	80.2	19	170.3
0	-4.7	78.5	1	168.5
2111	-6.4	76.8	19	166.3
0	-7.1	75.2	3	163.1
2112	-6.1	73.6	19	160.7
0	-4.9	72.0	5	158.1
2113	-5.3	70.4	19	155.7
0	-7.9	68.9	7	152.8
2114	-11.3	67.4	19	149.3
0	-10.3	66.0	9	125.1
2115	-0.4	64.7	20	135.5
0	2.3	63.6	0	109.9
2116	3.0	62.6	20	105.9
0	9.4	61.7	2	85.7
2117	12.3	61.0	20	75.3
0	7.1	60.3	4	72.4
2118	0.0	59.7	20	51.9
0	-0.3	59.2	6	50.5
2119	-3.1	58.7	20	44.1
0	-15.3	58.3	7	41.2
2120	-22.8	58.0	20	30.8
0	-22.9	57.7	9	26.0
2121	-18.0	57.5	21	17.8
0	-12.2	57.4	1	13.5
2122	-11.5	57.3	21	9.5
0	-15.1	57.2	2	6.9
2123	-18.6	57.2	21	1.5
0	-20.3	57.2	4	-1.0
2124	-20.5	57.2	21	-5.3
0	-19.1	57.3	5	-9.5
2125	-18.0	57.5	21	-14.3
0	-18.0	57.6	7	-18.9
2126	-18.3	57.9	21	-22.8
0	-18.0	58.2	9	-27.6
2127	-15.9	58.5	22	-39.1
0	-13.6	58.9	0	-43.6
2128			22	
0			1	
2129			22	
0			3	
2130			22	
0			4	
2131			22	

2155	-12.3	59.4	22	-47.6
0	-13.0	59.8	8	-46.5
2156	-15.2	60.3	22	-45.2
0	-17.2	60.9	8	-60.1
2157	-17.5	61.4	22	-59.1
0	-16.8	62.0	7	-56.9
2158	-15.5	62.7	22	-60.9
0	-14.6	63.4	7	-64.6
2159	-14.9	64.1	22	-68.1
0	-16.3	65.0	6	-87.5
2160	-17.5	65.8	22	-92.1
0	-17.6	66.7	5	-97.4
2161	-17.2	67.6	22	-102.2
0	-17.5	68.6	5	-97.4
2162	-17.8	69.6	22	-102.2
0	-18.0	70.6	4	-106.7
2163	-17.5	71.7	22	-111.8
0	-15.7	72.9	3	-116.3
2164	-14.5	74.1	22	-120.0
0	-12.2	75.3	2	-124.0
2165	-10.4	76.6	22	-126.4
0	-11.5	77.9	2	-129.3
2166	-14.4	79.2	22	-132.0
0	-16.8	80.5	1	-136.0
2167	-15.7	81.9	22	-140.0
0	-11.9	83.3	0	-144.0
2168	-9.6	84.8	21	-146.6
0	-10.0	86.3	9	-148.8
2169	-14.1	87.8	21	-151.4
0	-17.9	89.3	8	-154.9
2170	-17.4	90.9	21	-159.4
0	-12.6	92.5	7	-163.4
2171	-7.7	94.2	21	-166.3
0	-6.9	95.9	6	-167.9
2172	-10.3	97.6	21	-169.0
0	-13.3	99.3	5	-171.4
2173	-13.2	101.0	21	-174.3
0	-9.6	102.8	3	-177.0
2174	-6.2	104.5	21	-178.9
0	-5.8	106.3	2	-179.9
2175	-8.5	108.2	21	-180.7
0	-11.3	110.0	1	-182.8
2176	-11.1	111.8	21	-185.0
0	-8.8	113.7	0	-187.1
2177	-6.0	115.6	20	-189.0
0	-4.2	117.5	8	-189.8
2178	-4.2	119.4	20	-189.8
0	-5.2	121.3	7	-190.3
2179	-6.8	123.2	20	-191.1
0	-7.6	125.1	6	-191.9
2180	-6.5	127.0	20	-193.2
0	-4.1	129.0	4	-194.3
2181	-2.6	130.9	20	-194.6
0	-2.7	132.8	3	-194.0
2182			20	
0			1	
2183			20	
0			0	
2184			19	
0			8	
2185			10	

2209	-3.4	134.8	153	-194.0
0	-3.7	136.7	151	-194.3
2210	-3.8	138.7	149	-194.6
0	-3.7	140.6	147	-194.6
2211	-3.7	142.6	145	-194.6
0	-3.5	144.5	143	-194.8
2212	-2.8	146.5	141	-194.6
0	-2.4	148.4	139	-194.6
2213	-2.7	150.4	137	-194.6
0	-2.6	152.3	135	-194.6
2214	-2.6	154.2	133	-194.3
0	-2.3	156.2	131	-193.8
2215	-2.0	158.1	129	-193.8
0	-2.2	160.1	127	-193.8
2216	-2.0	162.0	125	-193.0
0	-1.8	163.9	124	-192.7
2217	0.1	165.8	122	-192.2
0	5.6	167.8	120	-190.6
2218	8.9	169.6	118	-187.4
0	8.1	171.5	116	-184.2
2219	4.2	173.3	114	-181.2
0	1.1	175.1	112	-179.1
2220	1.5	176.9	111	-178.3
0	4.9	178.7	109	-177.0
2221	9.5	180.4	107	-173.8
0	11.9	182.1	105	-169.8
2222	10.2	183.8	104	-165.5
0	6.2	185.4	102	-162.1
2223	4.2	187.0	100	-160.0
0	3.5	188.5	99	-140.0
2224	-1.8	189.9	98	-119.5
0	-2.6	191.1	96	-116.3
2225	-4.2	192.1	95	-91.0
0	-13.8	193.1	94	-89.1
2226	-19.1	193.9	94	-85.7
0	-15.7	194.6	93	-68.1
2227	-6.0	195.2	92	-52.7
0	0.4	195.7	92	-50.3
2228	0.0	196.2	91	-39.4
0	2.2	196.6	91	-42.0
2229	8.5	196.9	91	-32.7
0	15.1	197.2	90	-29.8
2230	15.9	197.4	90	-21.8
0	12.9	197.6	90	-19.7
2231	10.0	197.8	90	-14.1
0	10.3	197.9	90	-12.7
2232	14.2	198.0	89	-8.2
0	19.8	198.0	89	-3.1
2233	23.7	198.0	89	0.7
0	25.5	198.0	89	5.0
2234	22.5	197.9	90	11.4
0	17.5	197.7	90	19.7
2235	15.3	197.5	90	22.6
0	16.8	197.3	90	23.9
2236				
0				
2237				
0				
2238				
0				
2239				

2263	21.0	197.0	90	28.2
0	24.1	196.6	91	34.0
2264	24.1	196.2	91	39.4
0	20.9	195.7	92	55.1
2265	17.2	195.1	92	55.6
0	15.7	194.5	93	66.0
2266	17.5	193.9	94	64.1
0	21.3	193.2	94	68.9
2267	23.2	192.5	95	81.9
0	22.2	191.7	96	80.9
2268	19.1	190.9	97	78.2
0	16.4	189.9	98	100.3
2269	16.0	189.0	98	105.1
0	18.0	188.0	99	109.6
2270	20.9	186.9	101	104.6
0	21.8	185.9	102	110.4
2271	19.9	184.7	103	116.3
0	17.2	183.5	104	121.6
2272	14.9	182.3	105	126.1
0	14.1	181.0	106	129.6
2273	15.3	179.6	108	133.6
0	17.5	178.3	109	137.9
2274	18.3	176.9	111	142.1
0	17.0	175.4	112	146.9
2275	14.4	173.9	114	150.6
0	11.8	172.4	115	154.4
2276	10.8	170.8	117	157.0
0	12.3	169.2	118	159.7
2277	14.2	167.6	120	162.6
0	14.6	165.9	122	166.1
2278	12.7	164.3	123	169.8
0	9.9	162.5	125	172.2
2279	7.7	160.8	127	174.3
0	7.9	159.0	128	175.7
2280	9.1	157.3	130	177.5
0	10.3	155.5	132	179.4
2281	10.3	153.7	134	181.5
0	8.7	151.8	136	183.4
2282	6.5	150.0	137	185.2
0	5.0	148.1	139	186.0
2283	5.2	146.3	141	186.6
0	6.2	144.4	143	187.4
2284	7.9	142.5	145	188.4
0	8.1	140.6	147	189.5
2285	6.2	138.7	149	191.1
0	4.2	136.8	151	192.2
2286	2.8	134.9	153	192.4
0	3.3	132.9	155	192.2
2287	4.1	131.0	156	192.4
0	4.9	129.1	158	192.7
2288	4.7	127.2	160	193.2
0	3.5	125.2	162	193.8
2289	2.7	123.3	164	193.8
0	2.4	121.4	166	193.8
2290				
0				
2291				
0				
2292				
0				
2293				

2317	2.6	119.4	16	193.5
0	2.8	117.5	8	193.2
2318	3.0	115.6	17	193.2
0	3.1	113.6	0	193.2
2319	2.7	111.7	17	193.2
0	2.2	109.8	2	193.2
2320	2.0	107.8	17	193.0
0	1.9	105.9	4	192.4
2321	1.8	104.0	17	192.2
0	1.9	102.1	6	191.9
2322	1.8	100.1	17	191.6
0	0.8	98.2	8	190.8
2323	-0.4	96.3	18	190.3
0	-1.5	94.4	0	189.0
2324	-1.4	92.5	18	187.4
0	-0.4	90.7	2	186.3
2325	0.1	88.8	18	185.5
0	-0.5	87.0	3	184.4
2326	-2.8	85.1	18	183.4
0	-4.9	83.3	5	181.5
2327	-4.3	81.5	18	179.4
0	-3.0	79.7	7	177.3
2328	-3.4	78.0	18	175.7
0	-6.0	76.2	9	173.3
2329	-9.5	74.5	19	170.6
0	-11.3	72.8	1	166.9
2330	-10.4	71.2	19	162.6
0	-9.2	69.6	3	158.9
2331	-8.8	68.0	19	155.7
0	-10.0	66.5	5	165.8
2332	-5.6	65.2	19	133.6
0	2.3	64.0	7	106.2
2333	2.6	62.9	19	103.8
0	6.8	62.0	9	91.0
2334	11.7	61.1	20	72.1
0	11.4	60.4	0	70.2
2335	4.9	59.8	20	61.2
0	-0.4	59.2	2	52.9
2336	0.0	58.8	20	41.5
0	-4.7	58.3	4	40.1
2337	-16.3	58.0	20	37.0
0	-21.3	57.7	6	27.4
2338	-19.3	57.5	20	23.4
0	-12.9	57.3	8	16.7
2339	-7.9	57.1	20	13.8
0	-7.9	57.0	9	11.4
2340	-12.3	56.9	21	8.7
0	-16.4	56.9	1	5.3
2341	-17.1	56.9	21	-0.2
0	-17.2	56.9	3	-2.1
2342	-17.9	56.9	21	-7.1
0	-19.1	57.0	5	-12.5
2343	-19.9	57.2	21	-18.3
0	-20.1	57.4	6	-24.2
2344			21	
0			8	
2345			21	
0			9	
2346			22	
0			1	
2347			22	

2371	-18.4	57.7	23	-30.3
0	-16.0	58.0	0	-35.1
2372	-14.1	58.3	22	-40.4
0	-14.0	58.7	9	-40.4
2373	-15.7	59.1	22	-39.9
0	-18.0	59.6	9	-52.4
2374	-18.7	60.1	22	-52.9
0	-17.8	60.7	9	-52.1
2375	-16.1	61.3	22	-56.4
0	-15.5	62.0	8	-73.4
2376	-15.9	62.7	22	-70.5
0	-16.4	63.4	8	-67.3
2377	-16.1	64.2	22	-71.3
0	-15.6	65.0	7	-75.3
2378	-15.2	65.9	22	-78.5
0	-15.2	66.8	7	-82.2
2379	-15.9	67.8	22	-94.7
0	-16.4	68.7	6	-99.3
2380	-15.9	69.8	22	-103.5
0	-14.9	70.8	5	-107.5
2381	-14.1	71.9	22	-111.5
0	-14.4	73.1	5	-115.2
2382	-15.2	74.3	22	-118.7
0	-15.6	75.5	4	-122.9
2383	-15.2	76.7	22	-126.7
0	-14.4	78.0	3	-130.7
2384	-13.6	79.4	22	-133.9
0	-13.0	80.7	2	-137.3
2385	-11.5	82.1	22	-140.5
0	-10.4	83.6	2	-143.2
2386	-9.9	85.0	22	-145.6
0	-11.1	86.5	1	-147.7
2387	-12.3	88.0	22	-150.4
0	-12.1	89.5	0	-153.3
2388	-10.4	91.1	21	-156.2
0	-8.9	92.6	9	-158.4
2389	-8.7	94.2	21	-160.2
0	-10.7	95.8	8	-162.1
2390	-13.2	97.5	21	-164.5
0	-12.9	99.2	7	-167.7
2391	-9.9	100.9	21	-170.3
0	-6.6	102.6	6	-171.9
2392	-5.3	104.3	21	-173.5
0	-6.8	106.0	4	-174.1
2393	-10.2	107.8	21	-175.7
0	-11.0	109.6	3	-177.8
2394	-8.9	111.4	21	-180.2
0	-6.6	113.2	2	-181.8
2395	-5.4	115.0	21	-183.1
0	-6.1	116.8	1	-183.9
2396	-7.5	118.7	20	-184.7
0	-7.7	120.5	9	-186.3
2397	-6.5	122.4	20	-187.4
0	-5.2	124.3	8	-188.2
2398			20	
0			7	
2399			20	
0			5	
2400			20	
0			4	
2401			20	

2425	-4.7	126.2	161	-189.0
0	-4.9	128.1	159	-189.5
2426	-5.3	130.0	157	-189.8
0	-5.8	131.9	156	-190.8
2427	-6.6	133.8	154	-191.6
0	-6.1	135.7	152	-192.4
2428	-4.6	137.6	150	-193.0
0	-3.5	139.6	148	-193.5
2429	-3.5	141.5	146	-193.8
0	-4.9	143.5	144	-193.8
2430	-6.2	145.4	142	-194.6
0	-5.7	147.4	140	-195.4
2431	-4.3	149.3	138	-196.2
0	-3.8	151.3	136	-196.4
2432	-3.4	153.2	134	-196.4
0	-2.8	155.2	132	-197.0
2433	-2.3	157.2	130	-197.0
0	-2.3	159.1	128	-196.4
2434	-2.4	161.1	126	-196.2
0	-2.3	163.1	124	-196.2
2435	-2.2	165.0	122	-195.6
0	-2.2	167.0	120	-195.4
2436	-2.0	168.9	119	-195.1
0	-1.6	170.9	117	-194.8
2437	2.4	172.8	115	-193.8
0	6.6	174.8	113	-191.6
2438	7.1	176.6	111	-189.0
0	4.2	178.5	109	-186.0
2439	1.6	180.4	107	-183.9
0	0.8	182.2	105	-182.8
2440	1.9	184.0	103	-181.8
0	4.6	185.8	102	-179.7
2441	7.6	187.6	100	-177.0
0	3.1	189.2	98	-144.8
2442	-3.4	190.6	97	-138.7
0	-18.4	191.9	96	-131.5
2443	-40.0	192.9	95	-104.0
0	-47.3	193.9	94	-90.5
2444	-36.2	194.7	93	-84.6
0	-17.5	195.4	92	-64.6
2445	1.4	196.0	91	-59.1
0	0.1	196.4	91	-45.7
2446	-0.5	196.8	91	-39.1
0	-0.7	197.2	90	-30.0
2447	-0.7	197.5	90	-28.7
0	-0.5	197.7	90	-22.0
2448	-0.5	197.9	90	-21.2
0	0.0	198.1	89	-16.2
2449	0.5	198.3	89	-15.7
0	6.8	198.4	89	-13.0
2450	15.1	198.5	89	-9.3
0	19.0	198.6	89	-3.7
2451	17.1	198.6	89	0.7
0	13.0	198.6	89	1.8
2452				
0				
2453				
0				
2454				
0				
2455				

2479	9.1	198.5	89	6.6
0	8.3	198.5	89	9.0
2480	10.8	198.4	89	11.4
0	14.6	198.2	89	13.3
2481	17.2	198.1	89	15.9
0	17.0	197.9	90	20.2
2482	14.0	197.6	90	29.5
0	11.1	197.3	90	30.3
2483	11.0	197.0	90	29.8
0	14.1	196.6	91	40.1
2484	17.8	196.2	91	44.1
0	19.3	195.8	92	49.5
2485	17.5	195.3	92	49.7
0	14.4	194.8	93	49.2
2486	12.5	194.2	93	63.8
0	13.8	193.6	94	67.8
2487	16.8	192.9	95	71.6
0	19.4	192.2	95	76.9
2488	20.1	191.5	96	82.7
0	18.8	190.7	97	88.6
2489	16.5	189.9	98	93.9
0	15.7	189.0	98	98.5
2490	17.1	188.0	99	103.0
0	20.1	187.1	100	107.8
2491	21.3	186.1	101	103.8
0	21.2	185.0	102	109.4
2492	19.0	183.8	104	115.0
0	17.0	182.6	105	120.3
2493	16.3	181.4	106	124.3
0	17.1	180.1	107	128.5
2494	19.4	178.8	109	133.6
0	20.9	177.4	110	138.4
2495	19.7	176.0	111	143.7
0	17.1	174.5	113	148.8
2496	14.5	173.0	114	153.3
0	12.6	171.5	116	156.5
2497	13.2	169.9	118	159.7
0	15.3	168.3	119	162.9
2498	16.3	166.6	121	166.6
0	15.5	164.9	123	170.9
2499	13.4	163.2	124	174.3
0	11.7	161.4	126	177.5
2500	11.7	159.6	128	180.2
0	12.2	157.8	130	182.6
2501	12.5	155.9	132	185.5
0	12.5	154.1	133	188.4
2502	11.9	152.2	135	190.8
0	10.8	150.2	137	193.8
2503	9.6	148.3	139	196.2
0	8.9	146.3	141	197.8
2504	8.9	144.3	143	199.4
0	9.4	142.3	145	201.2
2505	9.5	140.3	147	202.8
0	7.9	138.2	149	204.4
2506				
0				
2507				
0				
2508				
0				
2509				

2533	5.7	136.2	15	206.0
0	4.6	134.1	1	206.8
2534	5.2	132.0	15	207.3
0	6.4	129.9	3	207.9
2535	7.7	127.9	15	208.7
0	7.3	125.8	5	210.0
2536	6.4	123.7	15	210.8
0	5.2	121.5	8	211.6
2537	4.2	119.4	16	212.4
0	3.8	117.3	0	212.7
2538	3.8	115.2	16	212.7
0	3.4	113.0	2	212.9
2539	2.8	110.9	16	212.9
0	2.3	108.8	4	212.4
2540	2.2	106.7	16	212.7
0	2.2	104.5	6	212.1
2541	2.2	102.4	16	211.6
0	2.2	100.3	8	211.1
2542	1.9	98.2	17	210.8
0	1.5	96.1	0	210.3
2543	-0.4	94.0	17	209.5
0	-3.1	91.9	2	208.4
2544	-3.7	89.8	17	206.3
0	-2.6	87.8	4	204.1
2545	-2.0	85.8	17	202.3
0	-3.1	83.7	7	200.4
2546	-4.5	81.8	17	198.8
0	-5.0	79.8	9	195.9
2547	-5.4	77.8	18	193.5
0	-6.2	75.9	1	190.8
2548	-7.2	74.0	18	188.2
0	-7.6	72.2	3	185.0
2549	-8.1	70.4	18	181.8
0	-10.0	68.6	5	178.1
2550	-12.2	66.9	18	156.8
0	-7.2	65.3	7	139.2
2551	2.6	63.9	18	135.2
0	6.4	62.7	9	104.0
2552	17.6	61.6	19	100.3
0	22.0	60.7	1	86.5
2553	15.9	60.0	19	66.5
0	5.2	59.3	3	62.8
2554	-0.3	58.8	19	53.2
0	0.1	58.3	6	45.5
2555	-3.5	57.9	19	38.6
0	-12.7	57.5	8	32.2
2556	-21.3	57.2	20	27.9
0	-23.9	57.1	0	17.0
2557	-20.1	56.9	20	13.8
0	-14.5	56.8	2	7.7
2558	-11.4	56.8	20	3.4
0	-14.8	56.8	4	0.0
2559	-22.8	56.8	20	-1.0
0	-27.5	56.8	6	-9.0
2560			20	
0			8	
2561			21	
0			0	
2562			21	
0			2	
2563			21	

2587	-25.8	57.0	23	-14.6
0	-20.1	57.2	0	-19.4
2588	-17.1	57.4	23	-24.2
0	-18.7	57.7	0	-28.7
2589	-22.8	58.1	23	-40.7
0	-23.9	58.5	0	-42.8
2590	-20.1	59.0	23	-44.4
0	-14.0	59.5	0	-48.7
2591	-10.2	60.1	22	-63.6
0	-11.1	60.7	9	-60.6
2592	-15.7	61.3	22	-57.5
0	-19.8	62.0	9	-74.5
2593	-19.4	62.7	22	-80.1
0	-15.1	63.5	8	-85.7
2594	-10.2	64.3	22	-89.9
0	-9.1	65.1	8	-92.3
2595	-11.3	66.0	22	-95.3
0	-13.8	66.9	7	-98.5
2596	-13.8	67.8	22	-102.2
0	-11.4	68.8	7	-96.3
2597	-8.5	69.7	22	-99.3
0	-9.2	70.7	6	-101.1
2598	-12.2	71.8	22	-103.8
0	-15.3	72.8	5	-106.7
2599	-15.2	73.9	22	-110.7
0	-12.7	75.1	5	-114.7
2600	-10.4	76.2	22	-117.6
0	-10.4	77.4	4	-120.3
2601	-12.6	78.7	22	-122.9
0	-14.8	79.9	3	-126.4
2602	-14.5	81.2	22	-129.6
0	-11.3	82.5	2	-133.6
2603	-8.1	83.9	22	-135.7
0	-7.1	85.3	1	-137.6
2604	-9.5	86.6	22	-139.5
0	-13.0	88.1	1	-141.8
2605	-14.2	89.5	22	-144.8
0	-12.2	91.0	0	-148.2
2606	-8.0	92.5	21	-150.6
0	-6.4	94.0	9	-152.5
2607	-8.4	95.5	21	-153.6
0	-12.3	97.1	8	-155.4
2608	-14.9	98.7	21	-158.4
0	-13.6	100.3	7	-162.1
2609	-9.2	101.9	21	-165.3
0	-5.4	103.6	6	-167.1
2610	-5.4	105.3	21	-167.9
0	-8.8	106.9	5	-169.0
2611	-11.5	108.6	21	-170.6
0	-11.3	110.4	4	-173.3
2612	-8.1	112.1	21	-175.4
0	-6.0	113.9	2	-177.0
2613	-6.4	115.7	21	-177.8
0	-8.7	117.4	1	-179.1
2614			21	
0			0	
2615			20	
0			9	
2616			20	
0			8	
2617			20	

2641	-10.3	119.3	168	-180.7
0	-9.6	121.1	166	-182.8
2642	-7.5	122.9	165	-184.7
0	-5.2	124.8	163	-185.8
2643	-4.2	126.6	161	-186.3
0	-4.1	128.5	159	-186.8
2644	-4.1	130.4	157	-186.8
0	-4.5	132.2	155	-187.1
2645	-4.3	134.1	153	-187.6
0	-3.3	136.0	151	-188.2
2646	-2.3	137.9	150	-187.9
0	-2.3	139.8	148	-187.9
2647	-2.2	141.6	146	-187.6
0	-2.2	143.5	144	-187.1
2648	-2.2	145.4	142	-187.1
0	-2.0	147.3	140	-187.1
2649	-2.0	149.1	138	-186.3
0	-2.0	151.0	136	-186.0
2650	-1.8	152.8	135	-186.0
0	-0.8	154.7	133	-185.5
2651	1.2	156.6	131	-184.2
0	2.4	158.4	129	-182.8
2652	0.8	160.2	127	-181.5
0	-1.4	162.0	125	-180.4
2653	-1.6	163.8	124	-179.9
0	-0.4	165.6	122	-179.9
2654	2.2	167.4	120	-178.3
0	4.6	169.2	118	-176.7
2655	5.6	170.9	117	-174.6
0	5.0	172.7	115	-172.2
2656	2.6	174.4	113	-170.1
0	1.5	176.0	111	-168.7
2657	2.6	177.7	110	-166.9
0	5.7	179.4	108	-165.0
2658	9.5	181.0	106	-162.1
0	10.7	182.6	105	-158.4
2659	9.2	184.2	103	-154.9
0	6.5	185.7	102	-151.2
2660	5.6	187.2	100	-148.8
0	4.5	188.6	99	-140.2
2661	-2.2	189.9	98	-134.9
0	-2.3	190.9	97	-109.1
2662	-2.6	191.9	96	-87.5
0	-8.5	192.9	95	-93.1
2663	-13.7	193.6	94	-75.3
0	-11.9	194.3	93	-59.6
2664	-3.8	194.9	93	-63.6
0	0.3	195.4	92	-50.3
2665	0.0	195.9	92	-48.7
0	2.3	196.3	91	-39.1
2666	10.8	196.6	91	-30.0
0	17.5	196.9	91	-27.9
2667	18.3	197.2	90	-19.9
0	14.6	197.3	90	-17.3
2668				
0				
2669				
0				
2670				
0				
2671				

2695	10.0	197.5	90	-12.5
0	9.4	197.6	90	-11.4
2696	13.0	197.7	90	-7.4
0	19.3	197.7	90	-3.7
2697	23.5	197.7	90	1.0
0	24.7	197.7	90	5.3
2698	21.2	197.6	90	12.2
0	15.7	197.5	90	18.3
2699	12.6	197.3	90	22.8
0	14.4	197.0	90	26.8
2700	19.3	196.7	91	31.6
0	22.8	196.4	91	34.0
2701	22.4	196.0	91	39.9
0	18.2	195.6	92	41.2
2702	13.4	195.1	92	55.9
0	12.1	194.6	93	54.0
2703	15.1	194.0	93	51.9
0	19.9	193.4	94	61.4
2704	22.6	192.7	95	73.7
0	20.6	192.0	95	80.1
2705	16.3	191.3	96	78.2
0	12.2	190.4	97	74.0
2706	12.2	189.6	98	93.7
0	15.9	188.7	99	97.1
2707	20.3	187.8	100	101.9
0	21.8	186.8	101	98.2
2708	19.4	185.8	102	103.8
0	14.5	184.7	103	108.8
2709	11.5	183.6	104	112.8
0	12.5	182.4	105	116.0
2710	16.0	181.2	106	119.2
0	18.6	180.0	107	123.2
2711	19.4	178.8	109	128.3
0	17.6	177.4	110	133.3
2712	14.5	176.1	111	137.9
0	12.1	174.7	113	141.3
2713	12.2	173.2	114	144.2
0	14.1	171.8	116	147.4
2714	15.1	170.3	117	150.9
0	15.6	168.7	119	154.6
2715	14.1	167.1	120	158.4
0	11.4	165.5	122	161.8
2716	10.0	163.9	124	164.2
0	10.4	162.2	125	166.6
2717	12.5	160.6	127	169.0
0	14.0	158.8	129	171.9
2718	13.3	157.1	130	175.1
0	11.4	155.3	132	178.1
2719	9.2	153.5	134	180.4
0	8.5	151.7	136	182.3
2720	9.5	149.9	138	183.9
0	10.6	148.0	139	186.0
2721	10.6	146.1	141	188.2
0	9.1	144.2	143	190.3
2722				
0				
2723				
0				
2724				
0				
2725				

2749	7.9	142.3	14	191.9
0	7.2	140.4	5	193.2
2750	7.1	138.5	14	194.6
0	7.9	136.5	7	195.6
2751	8.1	134.5	14	197.2
0	7.9	132.5	9	198.8
2752	6.0	130.5	15	199.9
0	4.5	128.5	1	200.7
2753	3.4	126.5	15	200.9
0	3.3	124.5	3	200.9
2754	3.3	122.5	15	200.7
0	2.8	120.5	5	200.9
2755	2.6	118.5	15	200.9
0	2.3	116.5	7	200.7
2756	2.0	114.5	15	200.4
0	2.0	112.5	9	199.9
2757	1.9	110.5	16	199.6
0	1.8	108.5	1	199.1
2758	1.1	106.5	16	198.6
0	-2.7	104.5	3	197.8
2759	-6.1	102.6	16	195.6
0	-5.3	100.6	5	193.0
2760	-1.1	98.7	16	190.8
0	1.4	96.8	7	190.0
2761	0.1	94.9	16	189.5
0	-4.3	93.0	9	188.2
2762	-8.0	91.2	17	185.5
0	-7.2	89.3	1	182.6
2763	-3.8	87.5	17	179.9
0	-1.6	85.7	3	178.1
2764	-2.2	84.0	17	176.7
0	-4.6	82.2	5	174.6
2765	-6.6	80.5	17	172.2
0	-6.6	78.8	7	169.0
2766	-5.8	77.1	17	166.6
0	-5.2	75.5	9	163.7
2767	-5.6	73.8	18	161.5
0	-6.6	72.2	1	158.9
2768	-8.7	70.7	18	156.0
0	-11.1	69.1	3	152.2
2769	-12.6	67.6	18	148.0
0	-11.0	66.2	5	154.1
2770	-4.1	65.0	18	124.0
0	2.0	63.9	7	99.5
2771	1.6	62.9	18	97.7
0	1.9	61.9	9	94.5
2772	3.1	61.2	19	75.8
0	5.0	60.5	1	73.4
2773	4.1	59.9	19	58.8
0	-0.4	59.3	3	52.1
2774	-0.3	58.9	19	45.5
0	-5.2	58.4	4	43.9
2775	-17.2	58.1	19	33.2
0	-25.1	57.8	6	29.0
2776			19	
0			8	
2777			20	
0			0	
2778			20	
0			2	
2779			20	

2803	-20.6	57.6	23	17.5
0	-11.4	57.4	0	16.2
2804	-7.2	57.3	23	12.2
0	-11.0	57.2	0	8.7
2805	-17.8	57.2	23	5.5
0	-21.2	57.1	0	0.0
2806	-20.1	57.2	23	-2.3
0	-17.1	57.2	0	-7.1
2807	-15.6	57.3	23	-10.9
0	-18.3	57.5	0	-14.9
2808	-22.9	57.7	23	-23.6
0	-24.8	57.9	0	-27.4
2809	-22.1	58.3	23	-30.8
0	-16.8	58.7	0	-36.2
2810	-12.7	59.1	23	-39.9
0	-13.2	59.6	0	-52.4
2811	-16.7	60.1	23	-51.1
0	-19.3	60.6	0	-50.0
2812	-19.4	61.2	23	-66.8
0	-17.6	61.9	0	-72.4
2813	-16.7	62.6	23	-77.2
0	-16.5	63.3	0	-74.5
2814	-17.4	64.0	23	-71.3
0	-17.6	64.9	0	-75.0
2815	-16.8	65.7	22	-79.3
0	-15.1	66.6	9	-83.0
2816	-14.2	67.6	22	-96.1
0	-15.6	68.6	9	-100.0
2817	-17.6	69.7	22	-104.0
0	-18.8	70.7	8	-108.8
2818	-18.3	71.9	22	-113.9
0	-16.8	73.0	8	-118.7
2819	-15.7	74.2	22	-122.9
0	-15.2	75.5	7	-127.2
2820	-15.9	76.8	22	-130.9
0	-17.0	78.2	7	-135.2
2821	-17.0	79.5	22	-139.5
0	-15.2	81.0	6	-143.4
2822	-12.5	82.4	22	-147.4
0	-10.3	83.9	6	-150.1
2823	-10.4	85.4	22	-152.5
0	-13.4	87.0	5	-154.9
2824	-15.6	88.6	22	-158.4
0	-14.8	90.2	4	-162.1
2825	-11.3	91.8	22	-165.5
0	-8.0	93.5	3	-168.2
2826	-8.4	95.2	22	-169.5
0	-11.9	96.9	3	-171.7
2827	-14.6	98.6	22	-174.3
0	-13.8	100.4	2	-177.8
2828	-9.9	102.2	22	-181.0
0	-5.8	104.0	1	-182.6
2829	-6.0	105.9	22	-183.4
0	-9.2	107.7	0	-184.4
2830			21	
0			9	
2831			21	
0			8	
2832			21	
0			7	
2833			21	

2857	-12.6	109.6	178	-187.1
0	-12.3	111.5	176	-189.5
2858	-9.9	113.4	174	-192.2
0	-6.9	115.3	172	-194.6
2859	-5.4	117.3	170	-195.4
0	-6.2	119.2	168	-195.6
2860	-7.9	121.2	166	-197.0
0	-9.1	123.2	164	-198.8
2861	-8.9	125.2	162	-200.1
0	-7.2	127.2	160	-201.5
2862	-4.9	129.2	158	-202.3
0	-3.5	131.2	156	-202.8
2863	-4.3	133.3	154	-203.1
0	-5.8	135.3	152	-203.3
2864	-5.8	137.3	150	-204.1
0	-4.2	139.4	148	-204.7
2865	-3.0	141.4	146	-204.9
0	-3.0	143.5	144	-204.9
2866	-3.0	145.5	142	-204.9
0	-2.7	147.6	140	-204.9
2867	-2.7	149.6	138	-204.7
0	-2.8	151.7	136	-204.4
2868	-2.8	153.7	134	-203.9
0	-2.6	155.8	132	-203.9
2869	-2.3	157.8	130	-204.1
0	-2.3	159.8	128	-203.6
2870	-2.3	161.9	126	-203.1
0	-2.0	163.9	124	-202.8
2871	-1.8	165.9	122	-202.8
0	0.8	167.9	120	-202.0
2872	5.6	169.9	118	-199.6
0	8.0	171.9	116	-197.2
2873	5.7	173.9	114	-194.3
0	2.0	175.8	112	-191.6
2874	0.0	177.7	110	-190.0
0	1.9	179.6	108	-189.2
2875	7.3	181.5	106	-187.4
0	11.4	183.3	104	-183.4
2876	11.8	185.1	102	-179.4
0	9.1	186.9	101	-175.4
2877	4.3	188.6	99	-184.7
0	-3.3	190.0	97	-145.0
2878	-6.0	191.3	96	-112.0
0	-22.1	192.4	95	-108.6
2879	-32.4	193.4	94	-94.5
0	-28.9	194.3	93	-73.2
2880	-15.9	195.0	92	-69.2
0	0.4	195.6	92	-51.9
2881	0.1	196.1	91	-49.5
0	0.0	196.6	91	-42.3
2882	3.3	196.9	91	-36.4
0	7.6	197.3	90	-33.5
2883	9.8	197.5	90	-25.5
0	9.8	197.8	90	-23.9
2884				
0				
2885				
0				
2886				
0				
2887				

2911	9.8	197.9	90	-18.9
0	10.6	198.1	89	-14.1
2912	12.2	198.2	89	-13.5
0	13.8	198.3	89	-8.7
2913	15.6	198.4	89	-3.9
0	17.5	198.4	89	0.5
2914	20.2	198.4	89	1.5
0	21.2	198.3	89	7.7
2915	19.4	198.2	89	13.5
0	16.5	198.1	89	17.8
2916	14.5	197.9	90	19.7
0	14.9	197.6	90	28.7
2917	17.1	197.3	90	33.2
0	19.3	197.0	90	34.6
2918	20.1	196.6	91	35.9
0	18.7	196.1	91	49.7
2919	16.5	195.7	92	50.0
0	15.1	195.1	92	49.2
2920	15.7	194.5	93	64.4
0	17.5	194.0	93	62.8
2921	19.4	193.3	94	67.3
0	19.5	192.5	95	78.8
2922	18.2	191.8	96	84.6
0	16.4	191.0	96	90.7
2923	15.5	190.1	97	95.5
0	16.1	189.2	98	98.7
2924	17.6	188.3	99	104.6
0	18.8	187.3	100	109.6
2925	18.7	186.2	101	104.8
0	16.5	185.1	102	109.6
2926	14.8	184.0	103	113.9
0	14.4	182.9	105	117.9
2927	14.9	181.6	106	121.6
0	15.7	180.4	107	125.1
2928	16.3	179.1	108	129.3
0	16.5	177.8	110	133.9
2929	15.6	176.4	111	137.6
0	14.4	175.0	112	141.6
2930	13.0	173.6	114	145.3
0	12.7	172.1	115	148.5
2931	12.5	170.6	117	151.4
0	13.2	169.0	118	154.6
2932	13.4	167.5	120	157.8
0	11.9	165.9	122	161.0
2933	10.3	164.2	123	163.7
0	8.9	162.6	125	165.8
2934	8.8	160.9	127	167.7
0	9.8	159.2	128	169.5
2935	10.2	157.5	130	171.4
0	9.5	155.8	132	173.8
2936	8.0	154.0	133	175.7
0	7.1	152.3	135	177.0
2937	6.8	150.5	137	178.3
0	6.9	148.7	139	179.7
2938				
0				
2939				
0				
2940				
0				
2941				

2965	7.2	146.9	14	180.7
0	6.6	145.1	1	182.3
2966	6.6	143.2	14	183.1
0	7.2	141.4	2	184.2
2967	7.7	139.5	14	185.8
0	7.5	137.7	4	187.4
2968	6.5	135.8	14	188.4
0	6.0	133.9	6	189.5
2969	5.8	132.0	14	190.6
0	5.6	130.1	8	190.8
2970	5.3	128.2	15	191.9
0	4.5	126.2	0	192.4
2971	3.9	124.3	15	192.7
0	4.1	122.4	2	193.2
2972	4.3	120.5	15	193.5
0	5.0	118.5	4	193.5
2973	5.7	116.6	15	194.3
0	5.4	114.6	5	195.1
2974	4.3	112.7	15	195.6
0	3.0	110.7	7	195.9
2975	2.3	108.8	15	195.9
0	2.2	106.8	9	195.6
2976	2.0	104.8	16	195.4
0	1.9	102.9	1	195.1
2977	1.9	100.9	16	194.8
0	1.6	99.0	3	194.6
2978	0.0	97.1	16	193.8
0	-4.1	95.1	5	192.2
2979	-5.8	93.2	16	190.0
0	-4.3	91.3	7	187.6
2980	-1.8	89.5	16	185.5
0	-1.2	87.6	9	184.2
2981	-4.1	85.8	17	182.6
0	-7.6	84.0	1	180.2
2982	-8.7	82.2	17	176.7
0	-7.1	80.5	3	173.0
2983	-4.2	78.8	17	170.3
0	-4.2	77.1	5	168.2
2984	-6.8	75.4	17	166.1
0	-10.0	73.8	7	162.9
2985	-11.3	72.2	17	158.9
0	-10.0	70.6	9	154.9
2986	-10.0	69.1	18	150.9
0	-10.2	67.6	1	147.4
2987	-9.9	66.3	18	140.0
0	-3.8	65.0	3	110.7
2988	2.3	63.8	18	110.2
0	1.8	62.8	5	87.3
2989	2.8	61.9	18	85.9
0	5.8	61.2	7	68.1
2990	6.5	60.5	18	67.0
0	2.8	59.9	8	58.8
2991	-0.1	59.3	19	51.9
0	-0.1	58.9	0	40.7
2992			19	
0			2	
2993			19	
0			4	
2994			19	
0			6	
2995			19	

3019	-4.9	58.4	22	39.9
0	-15.2	58.1	9	37.0
3020	-19.0	57.8	22	27.9
0	-17.5	57.5	9	24.4
3021	-12.7	57.4	23	19.4
0	-10.7	57.2	0	14.3
3022	-12.3	57.1	23	10.1
0	-16.3	57.0	0	7.4
3023	-18.8	57.0	23	2.1
0	-19.1	57.0	0	-1.0
3024	-18.3	57.0	23	-4.7
0	-17.2	57.1	0	-8.7
3025	-17.5	57.2	23	-13.0
0	-18.6	57.4	0	-17.3
3026	-18.6	57.7	23	-26.8
0	-17.0	57.9	0	-32.2
3027	-14.1	58.3	23	-37.0
0	-12.3	58.6	0	-41.5
3028	-13.0	59.0	23	-44.9
0	-15.2	59.5	0	-44.4
3029	-17.2	59.9	23	-44.4
0	-17.4	60.5	0	-48.1
3030	-15.6	61.0	23	-57.5
0	-14.1	61.7	0	-67.8
3031	-14.1	62.3	23	-71.6
0	-15.3	62.9	0	-68.6
3032	-16.1	63.7	23	-65.7
0	-16.3	64.4	0	-69.4
3033	-15.7	65.2	23	-72.9
0	-15.1	66.1	0	-76.9
3034	-14.9	67.0	23	-89.4
0	-15.3	67.9	0	-102.2
3035	-16.0	68.9	22	-97.1
0	-15.9	69.9	9	-101.4
3036	-15.1	70.9	22	-105.4
0	-14.2	72.0	9	-109.6
3037	-13.8	73.1	22	-112.8
0	-14.1	74.3	8	-116.8
3038	-14.2	75.5	22	-120.0
0	-13.7	76.7	8	-123.7
3039	-12.7	78.0	22	-127.2
0	-12.1	79.3	8	-130.4
3040	-11.9	80.6	22	-133.3
0	-11.9	82.0	7	-136.3
3041	-11.9	83.3	22	-139.2
0	-12.2	84.7	6	-141.8
3042	-11.5	86.2	22	-144.8
0	-11.9	87.7	6	-147.4
3043	-12.1	89.2	22	-150.1
0	-12.1	90.7	5	-153.0
3044	-11.0	92.2	22	-155.7
0	-9.9	93.8	5	-158.4
3045	-10.0	95.4	22	-160.2
0	-10.8	97.0	4	-162.3
3046			22	
0			3	
3047			22	
0			2	
3048			22	
0			1	
3049			22	

3073	-11.1	98.7	189	-165.0
0	-9.9	100.3	187	-167.1
3074	-7.9	102.0	185	-169.5
0	-6.4	103.7	184	-170.6
3075	-6.6	105.4	182	-171.9
0	-8.8	107.2	180	-173.5
3076	-10.3	108.9	179	-175.4
0	-9.9	110.7	177	-177.3
3077	-7.7	112.5	175	-179.4
0	-6.2	114.3	173	-180.4
3078	-6.4	116.1	171	-181.5
0	-7.3	117.9	170	-182.6
3079	-7.7	119.8	168	-183.9
0	-6.9	121.6	166	-185.2
3080	-6.4	123.5	164	-186.6
0	-6.2	125.3	162	-187.6
3081	-6.4	127.2	160	-188.4
0	-6.1	129.1	158	-189.5
3082	-5.2	131.0	156	-190.3
0	-5.0	132.9	155	-190.8
3083	-4.9	134.8	153	-191.4
0	-3.8	136.8	151	-192.2
3084	-3.0	138.7	149	-192.4
0	-2.7	140.6	147	-192.2
3085	-2.8	142.5	145	-192.2
0	-3.3	144.4	143	-192.2
3086	-3.0	146.4	141	-191.9
0	-2.8	148.3	139	-191.9
3087	-2.7	150.2	137	-191.6
0	-2.6	152.1	135	-191.6
3088	-2.4	154.0	133	-191.4
0	-2.2	155.9	132	-191.1
3089	-2.0	157.9	130	-191.1
0	-2.0	159.8	128	-190.6
3090	-1.9	161.7	126	-190.0
0	-0.7	163.6	124	-190.0
3091	3.3	165.5	122	-188.7
0	6.8	167.3	120	-186.0
3092	6.8	169.2	118	-183.1
0	3.5	171.0	116	-181.0
3093	0.5	172.8	115	-179.1
0	-0.5	174.6	113	-178.3
3094	1.9	176.3	111	-177.8
0	6.0	178.1	109	-175.7
3095	9.5	179.8	108	-172.7
0	10.6	181.5	106	-169.0
3096	8.0	183.2	104	-164.7
0	4.6	184.8	103	-162.1
3097	4.1	186.4	101	-160.2
0	6.4	187.9	100	-142.1
3098	3.5	189.4	98	-124.8
0	-2.3	190.7	97	-133.1
3099	-2.7	191.8	96	-117.1
0	-9.6	192.7	95	-93.4
3100				
0				
3101				
0				
3102				
0				
3103				

3127	-18.8	193.6	94	-82.2
0	-18.6	194.3	93	-64.6
3128	-9.1	195.0	92	-68.1
0	1.4	195.5	92	-53.5
3129	0.4	196.0	91	-50.5
0	4.3	196.4	91	-40.1
3130	14.0	196.8	91	-30.6
0	18.4	197.1	90	-27.9
3131	16.8	197.3	90	-19.9
0	11.0	197.5	90	-17.5
3132	6.9	197.7	90	-16.7
0	8.9	197.8	90	-13.0
3133	15.5	197.9	90	-9.0
0	22.1	198.0	89	-5.0
3134	25.2	198.0	89	1.3
0	24.8	197.9	90	5.0
3135	20.2	197.8	90	12.2
0	15.2	197.7	90	18.3
3136	14.1	197.5	90	22.6
0	17.2	197.2	90	27.1
3137	22.2	197.0	90	32.4
0	24.7	196.6	91	39.1
3138	22.9	196.2	91	42.0
0	18.3	195.8	92	43.1
3139	14.1	195.2	92	58.3
0	13.7	194.7	93	56.9
3140	17.0	194.1	93	54.3
0	21.0	193.4	94	71.6
3141	22.5	192.7	95	77.7
0	20.1	192.0	95	76.6
3142	15.5	191.2	96	73.4
0	12.3	190.3	97	93.7
3143	13.6	189.4	98	97.4
0	17.5	188.5	99	101.6
3144	21.6	187.6	100	106.4
0	22.4	186.6	101	102.4
3145	19.0	185.5	102	108.6
0	14.5	184.4	103	113.4
3146	13.2	183.2	104	117.1
0	15.3	182.0	105	120.5
3147	18.4	180.8	107	124.5
0	20.3	179.5	108	129.6
3148	19.5	178.2	109	135.2
0	16.5	176.8	111	140.2
3149	12.9	175.3	112	144.5
0	12.2	173.9	114	147.2
3150	14.1	172.4	115	150.4
0	17.0	170.8	117	153.8
3151	18.3	169.3	118	158.4
0	17.0	167.6	120	162.9
3152	13.3	166.0	121	166.9
0	9.8	164.3	123	169.8
3153	8.8	162.6	125	171.9
0	11.0	160.8	127	174.1
3154				
0				
3155				
0				
3156				
0				
3157				

3181	14.2	159.1	12	176.5
0	15.2	157.3	8	179.9
3182	13.2	155.5	13	183.6
0	9.6	153.6	0	186.0
3183	7.2	151.7	13	187.9
0	7.3	149.8	2	189.5
3184	9.1	147.9	13	190.8
0	10.8	146.0	4	192.7
3185	10.8	144.1	13	194.8
0	9.5	142.1	6	196.7
3186	7.3	140.1	13	198.6
0	5.8	138.1	8	199.9
3187	5.8	136.1	14	200.9
0	7.2	134.1	0	201.7
3188	8.4	132.1	14	203.1
0	7.7	130.0	1	204.4
3189	5.4	128.0	14	205.7
0	3.0	125.9	3	206.0
3190	2.4	123.9	14	206.0
0	2.8	121.8	5	206.0
3191	3.5	119.7	14	205.7
0	4.3	117.7	7	205.7
3192	4.5	115.6	14	206.0
0	3.5	113.6	9	206.5
3193	2.2	111.5	15	206.5
0	1.9	109.4	1	206.0
3194	1.9	107.4	15	205.7
0	1.8	105.3	3	205.2
3195	0.1	103.3	15	204.9
0	-4.7	101.2	5	203.1
3196	-7.1	99.2	15	200.4
0	-3.5	97.2	7	197.5
3197	1.4	95.3	15	196.2
0	2.2	93.3	9	195.6
3198	0.1	91.4	16	195.4
0	-3.5	89.4	2	193.8
3199	-6.4	87.5	16	191.6
0	-6.6	85.6	4	189.0
3200	-5.0	83.7	16	186.0
0	-2.8	81.9	6	183.6
3201	-2.8	80.1	16	182.0
0	-5.8	78.2	8	179.9
3202	-10.4	76.5	17	176.7
0	-13.0	74.7	0	172.7
3203	-11.9	73.0	17	168.2
0	-8.7	71.4	2	164.2
3204	-7.2	69.8	17	161.0
0	-8.7	68.2	4	157.8
3205	-12.1	66.6	17	153.0
0	-8.0	65.3	6	136.0
3206	1.9	64.1	17	108.0
0	2.6	62.9	8	116.0
3207	5.8	62.0	18	92.6
0	11.5	61.1	0	89.7
3208			18	
0			2	
3209			18	
0			4	
3210			18	
0			6	
3211			18	

3235	11.5	60.4	22	71.6
0	5.3	59.8	7	62.0
3236	-0.4	59.2	22	54.0
0	0.0	58.7	8	51.6
3237	-0.4	58.3	22	40.9
0	-6.6	57.9	8	35.4
3238	-15.5	57.6	22	26.6
0	-19.5	57.4	9	24.4
3239	-17.4	57.2	22	17.3
0	-13.6	57.0	9	13.0
3240	-11.7	56.9	23	12.5
0	-14.1	56.8	0	7.7
3241	-18.4	56.8	23	3.4
0	-22.2	56.8	0	-1.0
3242	-23.9	56.8	23	-5.8
0	-23.2	56.9	0	-12.5
3243	-21.8	57.1	23	-19.4
0	-20.6	57.3	0	-23.6
3244	-19.9	57.6	23	-32.2
0	-19.8	57.9	0	-37.8
3245	-18.8	58.3	23	-43.6
0	-17.1	58.7	1	-49.5
3246	-15.6	59.2	23	-54.5
0	-15.2	59.7	1	-58.0
3247	-15.9	60.3	23	-63.6
0	-17.0	60.9	1	-62.2
3248	-17.4	61.5	23	-60.1
0	-16.7	62.2	1	-63.8
3249	-15.3	63.0	23	-67.6
0	-14.1	63.8	1	-71.6
3250	-14.1	64.6	23	-74.8
0	-15.3	65.4	1	-77.7
3251	-16.4	66.3	23	-81.4
0	-16.5	67.3	0	-85.1
3252	-16.5	68.3	23	-99.0
0	-16.3	69.3	0	-103.5
3253	-16.5	70.4	23	-107.5
0	-16.8	71.5	0	-112.0
3254	-16.4	72.6	23	-116.3
0	-15.7	73.8	0	-120.5
3255	-14.4	75.1	22	-124.8
0	-13.4	76.4	9	-128.3
3256	-13.7	77.7	22	-131.7
0	-14.9	79.0	9	-135.2
3257	-15.7	80.4	22	-138.9
0	-14.8	81.8	8	-142.6
3258	-12.9	83.3	22	-146.6
0	-11.5	84.8	8	-149.6
3259	-11.7	86.3	22	-152.2
0	-13.6	87.8	7	-154.9
3260	-15.2	89.4	22	-158.1
0	-14.9	91.0	7	-162.3
3261	-12.9	92.6	22	-165.5
0	-10.7	94.3	6	-168.5
3262			22	
0			5	
3263			22	
0			4	
3264			22	
0			4	
3265			22	

3289	-11.0	96.0	191	-171.1
0	-12.9	97.8	190	-173.3
3290	-13.8	99.5	188	-176.5
0	-12.7	101.3	186	-179.4
3291	-10.2	103.1	184	-182.0
0	-8.8	105.0	182	-184.2
3292	-10.0	106.8	181	-186.0
0	-12.2	108.7	179	-187.9
3293	-12.9	110.6	177	-190.6
0	-11.4	112.5	175	-193.5
3294	-9.2	114.5	173	-195.4
0	-7.6	116.4	171	-197.0
3295	-7.2	118.4	169	-198.6
0	-7.2	120.4	167	-199.9
3296	-7.5	122.4	165	-200.7
0	-7.7	124.4	163	-201.7
3297	-7.7	126.5	161	-203.6
0	-6.5	128.5	159	-204.9
3298	-4.5	130.6	157	-205.7
0	-3.5	132.6	155	-205.7
3299	-4.1	134.7	153	-205.7
0	-4.2	136.7	151	-206.3
3300	-3.7	138.8	149	-206.5
0	-3.4	140.9	147	-206.3
3301	-3.7	142.9	145	-206.3
0	-4.2	145.0	142	-206.5
3302	-3.9	147.1	140	-206.8
0	-3.7	149.1	138	-207.1
3303	-3.8	151.2	136	-206.8
0	-3.5	153.3	134	-207.1
3304	-2.7	155.3	132	-207.1
0	-2.3	157.4	130	-207.1
3305	-2.3	159.5	128	-206.5
0	-2.3	161.5	126	-206.3
3306	-2.0	163.6	124	-206.3
0	-1.8	165.7	122	-205.5
3307	0.8	167.7	120	-204.9
0	5.2	169.8	118	-203.1
3308	7.2	171.8	116	-200.4
0	4.7	173.7	114	-197.5
3309	0.9	175.7	112	-195.1
0	-1.2	177.6	110	-194.3
3310	0.3	179.6	108	-193.8
0	5.4	181.5	106	-192.4
3311	9.8	183.4	104	-189.2
0	9.8	185.3	102	-185.5
3312	7.3	187.1	100	-181.8
0	1.5	188.8	99	-155.2
3313	-3.4	190.3	97	-148.0
0	-18.0	191.7	96	-139.2
3314	-38.5	192.8	95	-109.9
0	-44.5	193.8	94	-95.0
3315	-33.9	194.6	93	-80.9
0	-14.4	195.3	92	-60.4
3316				
0				
3317				
0				
3318				
0				
3319				

3343	1.1	195.9	92	-61.2
0	0.0	196.4	91	-42.8
3344	-0.4	196.8	91	-40.7
0	-0.3	197.2	90	-31.1
3345	0.1	197.5	90	-29.5
0	2.3	197.8	90	-22.3
3346	5.7	198.0	89	-21.0
0	9.8	198.2	89	-15.1
3347	12.5	198.3	89	-15.1
0	13.8	198.4	89	-9.8
3348	13.8	198.5	89	-5.3
0	12.6	198.5	89	-1.3
3349	13.6	198.5	89	0.0
0	16.7	198.5	89	2.3
3350	19.0	198.4	89	6.3
0	19.3	198.3	89	13.0
3351	17.2	198.2	89	19.1
0	15.2	198.0	89	21.8
3352	14.5	197.7	90	23.4
0	15.9	197.4	90	33.0
3353	18.0	197.1	90	37.8
0	19.3	196.7	91	43.1
3354	18.3	196.3	91	44.1
0	16.7	195.8	92	43.9
3355	15.2	195.3	92	59.1
0	15.1	194.7	93	57.7
3356	16.3	194.1	93	55.3
0	18.2	193.4	94	72.4
3357	18.7	192.7	95	77.4
0	17.4	192.0	95	83.3
3358	15.3	191.2	96	80.1
0	13.7	190.4	97	75.6
3359	14.1	189.5	98	96.1
0	15.9	188.6	99	100.0
3360	17.8	187.7	100	104.3
0	18.7	186.7	101	99.5
3361	17.1	185.6	102	104.8
0	15.5	184.6	103	109.1
3362	14.0	183.4	104	113.4
0	14.1	182.3	105	117.1
3363	15.3	181.1	106	120.5
0	16.0	179.8	108	124.8
3364	16.4	178.6	109	129.1
0	15.7	177.2	110	133.3
3365	14.5	175.9	112	137.3
0	12.9	174.5	113	140.8
3366	12.6	173.0	114	144.0
0	12.3	171.6	116	146.9
3367	12.2	170.1	117	150.1
0	12.5	168.6	119	153.0
3368	11.8	167.0	120	156.0
0	10.8	165.4	122	158.6
3369	9.9	163.8	124	161.3
0	9.2	162.2	125	162.9
3370				
0				
3371				
0				
3372				
0				
3373				

3397	10.2	160.6	12	165.3
0	10.8	158.9	7	167.4
3398	10.4	157.2	12	169.8
0	9.1	155.5	9	172.2
3399	7.9	153.7	13	173.8
0	7.3	152.0	0	175.4
3400	7.7	150.2	13	176.7
0	8.1	148.4	2	178.1
3401	8.0	146.7	13	179.7
0	6.5	144.8	4	181.2
3402	5.7	143.0	13	182.0
0	5.7	141.2	5	182.8
3403	5.8	139.4	13	183.6
0	6.0	137.5	7	184.7
3404	5.3	135.7	13	185.5
0	5.2	133.8	9	186.0
3405	4.7	131.9	14	186.8
0	4.7	130.1	1	187.6
3406	5.0	128.2	14	187.9
0	5.2	126.3	3	188.4
3407	5.4	124.4	14	189.2
0	5.4	122.5	4	189.8
3408	4.7	120.6	14	190.6
0	3.9	118.7	6	190.8
3409	3.4	116.8	14	191.1
0	3.3	114.9	8	191.1
3410	3.4	113.0	15	191.4
0	3.0	111.0	0	191.6
3411	2.6	109.1	15	191.4
0	2.4	107.2	2	191.1
3412	2.3	105.3	15	191.4
0	2.2	103.4	4	190.8
3413	2.2	101.5	15	190.6
0	2.2	99.6	6	190.6
3414	2.0	97.7	15	190.3
0	1.9	95.8	7	189.8
3415	1.8	93.9	15	189.8
0	1.2	92.0	9	189.2
3416	-2.7	90.1	16	188.2
0	-7.7	88.2	1	185.8
3417	-8.8	86.4	16	182.8
0	-6.2	84.6	3	179.4
3418	-2.7	82.8	16	177.0
0	-1.4	81.1	5	175.7
3419	-3.3	79.3	16	174.1
0	-7.2	77.6	7	171.9
3420	-10.2	75.9	16	168.7
0	-9.9	74.2	9	165.0
3421	-7.3	72.6	17	161.3
0	-6.0	71.0	1	158.6
3422	-8.1	69.5	17	156.0
0	-12.3	67.9	3	152.5
3423	-14.5	66.4	17	160.5
0	-8.5	65.2	4	129.1
3424			17	
0			6	
3425			17	
0			8	
3426			18	
0			0	
3427			12	

3451	2.4	63.9	22	126.1
0	2.4	62.9	4	91.0
3452	5.8	62.0	22	89.7
0	11.0	61.2	5	85.7
3453	11.3	60.5	22	69.4
0	5.7	59.9	5	60.9
3454	0.3	59.3	22	53.2
0	0.1	58.8	6	50.8
3455	0.1	58.4	22	40.7
0	-0.8	58.0	7	35.6
3456	-7.3	57.7	22	27.6
0	-13.0	57.4	8	25.8
3457	-13.8	57.2	22	23.9
0	-10.2	57.0	8	19.9
3458	-7.3	56.9	22	15.7
0	-7.3	56.7	9	12.2
3459	-10.7	56.6	22	11.1
0	-14.5	56.5	9	8.7
3460	-15.9	56.5	22	3.4
0	-14.9	56.5	9	-0.7
3461	-15.1	56.5	23	-2.3
0	-16.1	56.5	0	-6.9
3462	-17.4	56.6	23	-10.3
0	-17.8	56.8	0	-15.1
3463	-16.8	57.0	23	-22.0
0	-15.3	57.2	0	-26.8
3464	-14.1	57.5	23	-28.4
0	-13.8	57.8	0	-32.7
3465	-14.5	58.1	23	-32.7
0	-15.7	58.5	1	-44.1
3466	-16.3	59.0	23	-44.4
0	-16.1	59.4	1	-43.6
3467	-15.1	60.0	23	-58.3
0	-13.6	60.5	1	-56.7
3468	-12.2	61.1	23	-54.3
0	-12.1	61.7	1	-56.9
3469	-12.2	62.4	23	-73.2
0	-12.1	63.1	1	-76.4
3470	-11.5	63.8	23	-80.1
0	-11.7	64.6	1	-83.0
3471	-12.3	65.3	23	-78.2
0	-13.4	66.1	1	-73.4
3472	-13.7	67.0	23	-76.6
0	-13.3	67.9	1	-88.3
3473	-12.9	68.8	23	-92.1
0	-12.5	69.7	1	-95.5
3474	-13.2	70.7	23	-98.5
0	-14.0	71.7	1	-102.2
3475	-14.2	72.8	23	-105.9
0	-13.3	73.9	0	-109.1
3476	-11.9	75.0	23	-112.8
0	-11.0	76.1	0	-115.5
3477	-11.3	77.3	23	-118.4
0	-12.3	78.5	0	-121.1
3478			23	
0			0	
3479			22	
0			9	
3480			22	
0			9	
3481			22	

3505	-13.2	79.7	20	-124.3
0	-12.6	81.0	8	-127.5
3506	-11.0	82.3	20	-130.4
0	-9.5	83.6	6	-132.8
3507	-9.8	85.0	20	-135.2
0	-11.5	86.3	5	-137.6
3508	-12.9	87.7	20	-140.2
0	-12.9	89.2	4	-143.4
3509	-11.4	90.6	20	-146.6
0	-8.8	92.1	2	-148.8
3510	-7.1	93.6	20	-150.9
0	-8.3	95.1	1	-152.2
3511	-10.0	96.7	20	-154.4
0	-11.3	98.2	0	-156.2
3512	-9.9	99.8	19	-158.6
0	-7.7	101.4	8	-161.0
3513	-6.2	103.0	19	-162.1
0	-6.9	104.7	7	-163.4
3514	-9.1	106.3	19	-164.7
0	-10.7	108.0	5	-166.6
3515	-9.2	109.7	19	-168.7
0	-6.1	111.4	4	-170.6
3516	-4.1	113.1	19	-171.7
0	-4.5	114.8	2	-172.2
3517	-6.5	116.5	19	-172.5
0	-8.3	118.3	1	-173.8
3518	-8.1	120.0	18	-175.4
0	-6.2	121.8	9	-176.7
3519	-4.6	123.6	18	-178.1
0	-4.9	125.3	8	-178.6
3520	-6.5	127.1	18	-179.1
0	-7.7	128.9	6	-180.4
3521	-7.5	130.7	18	-181.5
0	-6.8	132.6	4	-182.8
3522	-5.8	134.4	18	-183.9
0	-4.9	136.2	3	-185.0
3523	-4.5	138.1	18	-185.2
0	-4.7	140.0	1	-185.8
3524	-5.4	141.8	17	-186.3
0	-6.6	143.7	9	-187.1
3525	-5.8	145.6	17	-187.9
0	-3.3	147.5	8	-189.0
3526	-2.0	149.3	17	-189.0
0	-2.3	151.2	6	-188.4
3527	-2.2	153.1	17	-188.2
0	-2.0	155.0	4	-188.2
3528	-2.0	156.9	17	-187.6
0	-1.9	158.8	3	-187.6
3529	-1.2	160.6	17	-187.4
0	3.3	162.5	1	-186.3
3530	8.5	164.3	16	-183.6
0	9.5	166.1	9	-179.9
3531	6.5	167.9	16	-176.7
0	2.2	169.7	7	-173.8
3532			16	
0			6	
3533			16	
0			4	
3534			16	
0			2	
3535			16	

3559	1.5	171.4	116	-172.7
0	4.9	173.1	114	-171.4
3560	9.2	174.8	113	-168.5
0	12.1	176.5	111	-164.7
3561	12.1	178.1	109	-160.7
0	9.4	179.7	108	-156.2
3562	7.1	181.2	106	-153.0
0	6.4	182.7	105	-150.1
3563	8.3	184.2	103	-147.4
0	11.1	185.6	102	-143.7
3564	14.1	187.0	100	-139.5
0	12.7	188.4	99	-145.0
3565	4.5	189.5	98	-115.2
0	-2.4	190.6	97	-113.9
3566	-1.6	191.5	96	-92.6
0	-1.5	192.4	95	-74.0
3567	-0.8	193.2	94	-80.1
0	-0.4	193.8	94	-65.2
3568	0.3	194.4	93	-51.9
0	9.1	194.9	93	-50.5
3569	20.2	195.4	92	-38.6
0	24.4	195.8	92	-39.9
3570	21.6	196.1	91	-29.8
0	14.2	196.3	91	-26.8
3571	10.2	196.5	91	-21.2
0	11.8	196.7	91	-20.2
3572	17.4	196.9	91	-14.3
0	22.5	197.0	90	-7.4
3573	24.0	197.0	90	-1.5
0	23.7	197.0	90	1.0
3574	21.3	197.0	90	7.7
0	17.9	196.8	91	11.4
3575	17.1	196.7	91	15.7
0	19.0	196.5	91	19.9
3576	22.1	196.2	91	24.4
0	23.7	195.9	92	30.0
3577	22.2	195.5	92	36.2
0	18.8	195.0	92	50.5
3578	16.1	194.6	93	51.1
0	16.3	194.0	93	49.7
3579	19.0	193.4	94	59.6
0	22.1	192.8	95	71.3
3580	22.9	192.1	95	78.0
0	21.0	191.3	96	84.9
3581	18.0	190.6	97	74.0
0	16.3	189.7	98	95.5
3582	16.8	188.8	99	100.0
0	19.4	187.8	100	104.8
3583	21.0	186.8	101	100.6
0	20.9	185.8	102	106.4
3584	17.6	184.7	103	111.8
0	15.1	183.5	104	116.6
3585	14.4	182.3	105	120.8
0	15.6	181.1	106	124.3
3586				
0				
3587				
0				
3588				
0				
3589				

3613	17.4	179.8	10	128.5
0	18.3	178.5	8	133.3
3614	18.2	177.1	10	138.1
0	15.6	175.7	9	142.6
3615	12.9	174.2	11	146.6
0	11.7	172.7	0	149.6
3616	12.3	171.2	11	152.5
0	14.5	169.7	2	155.4
3617	15.9	168.1	11	158.9
0	14.5	166.5	3	162.9
3618	12.1	164.8	11	166.3
0	9.6	163.1	5	168.7
3619	8.7	161.4	11	170.9
0	9.6	159.7	6	172.7
3620	11.0	158.0	11	174.9
0	11.0	156.2	8	177.3
3621	9.8	154.4	11	179.9
0	8.1	152.6	9	181.5
3622	7.3	150.8	12	183.4
0	7.1	148.9	1	184.4
3623	7.7	147.1	12	186.0
0	8.1	145.2	3	187.4
3624	8.1	143.3	12	188.7
0	8.0	141.4	4	190.0
3625	6.9	139.5	12	191.6
0	6.0	137.6	6	193.0
3626	5.2	135.6	12	193.5
0	5.4	133.7	8	194.0
3627	6.1	131.7	12	195.1
0	6.4	129.8	9	195.9
3628	6.1	127.8	13	197.0
0	4.5	125.8	1	197.5
3629	3.7	123.9	13	198.0
0	3.7	121.9	3	198.3
3630	4.5	119.9	13	198.3
0	5.4	117.9	5	198.6
3631	5.2	115.9	13	199.4
0	3.8	113.9	7	200.1
3632	2.6	111.9	13	200.1
0	2.2	109.9	9	199.9
3633	2.2	107.9	14	199.6
0	2.2	105.9	0	199.4
3634	2.0	103.9	14	199.1
0	2.2	102.0	2	198.8
3635	2.0	100.0	14	198.3
0	2.0	98.0	4	198.0
3636	1.8	96.0	14	197.5
0	0.5	94.0	6	197.2
3637	-2.7	92.1	14	196.2
0	-4.6	90.1	8	193.8
3638	-3.4	88.2	15	191.6
0	-1.5	86.3	0	190.3
3639	-1.4	84.4	15	189.0
0	-3.0	82.5	2	187.4
3640			15	
0			4	
3641			15	
0			6	
3642			15	
0			8	
3643			16	

3667	-4.7	80.7	20	185.2
0	-5.6	78.8	7	182.8
3668	-6.0	77.0	20	180.2
0	-6.1	75.2	9	177.5
3669	-6.0	73.5	21	175.1
0	-6.1	71.7	0	172.5
3670	-6.9	70.0	21	169.5
0	-8.9	68.4	2	166.6
3671	-11.1	66.8	21	146.1
0	-5.0	65.3	4	156.5
3672	2.4	64.0	21	126.9
0	6.2	62.9	6	99.3
3673	15.1	61.9	21	96.6
0	19.1	61.0	7	75.3
3674	13.4	60.2	21	72.6
0	4.7	59.6	9	62.8
3675	-0.1	59.0	22	53.7
0	0.4	58.5	1	51.1
3676	-0.1	58.1	22	40.4
0	-4.1	57.8	2	34.6
3677	-12.7	57.4	22	31.6
0	-17.6	57.2	3	23.9
3678	-16.0	57.0	22	17.0
0	-11.7	56.8	5	13.8
3679	-7.6	56.7	22	13.3
0	-8.5	56.6	6	9.8
3680	-13.0	56.5	22	7.9
0	-17.0	56.5	6	2.9
3681	-18.2	56.5	22	-0.7
0	-18.6	56.5	7	-3.7
3682	-17.6	56.6	22	-7.9
0	-16.7	56.7	8	-12.2
3683	-15.6	56.9	22	-16.2
0	-14.6	57.1	8	-19.9
3684	-14.0	57.3	22	-23.6
0	-13.4	57.6	9	-26.8
3685	-13.6	58.0	22	-30.3
0	-14.1	58.3	9	-33.5
3686	-15.1	58.7	23	-45.2
0	-15.5	59.2	0	-44.9
3687	-15.6	59.6	23	-44.1
0	-14.8	60.2	0	-58.3
3688	-14.1	60.7	23	-56.9
0	-14.0	61.3	0	-54.5
3689	-14.4	62.0	23	-70.5
0	-15.2	62.6	0	-67.6
3690	-15.6	63.3	23	-64.6
0	-15.6	64.1	1	-68.4
3691	-16.0	64.8	23	-71.8
0	-16.5	65.7	1	-75.6
3692	-16.5	66.5	23	-79.3
0	-16.3	67.5	1	-92.3
3693	-16.0	68.5	23	-96.6
0	-16.0	69.5	1	-101.4
3694			23	
0			1	
3695			23	
0			1	
3696			23	
0			1	
3697			23	

3721	-16.0	70.5	21	-105.1
0	-15.9	71.6	7	-109.6
3722	-15.5	72.7	21	-113.6
0	-14.6	73.9	6	-117.4
3723	-13.7	75.1	21	-121.3
0	-12.9	76.3	5	-124.8
3724	-12.7	77.6	21	-128.0
0	-13.2	78.9	4	-131.2
3725	-13.7	80.2	21	-134.7
0	-12.7	81.6	2	-137.6
3726	-11.5	83.0	21	-141.3
0	-11.0	84.4	1	-143.4
3727	-10.7	85.9	21	-146.4
0	-11.7	87.4	0	-148.5
3728	-12.5	88.9	20	-151.4
0	-11.9	90.4	9	-154.6
3729	-10.2	92.0	20	-157.0
0	-8.9	93.6	7	-159.4
3730	-9.5	95.2	20	-161.0
0	-11.3	96.8	6	-163.4
3731	-12.1	98.5	20	-166.1
0	-10.0	100.1	4	-168.7
3732	-6.5	101.9	20	-171.1
0	-3.7	103.6	3	-171.7
3733	-4.1	105.3	20	-172.2
0	-7.2	107.0	2	-173.0
3734	-10.0	108.8	20	-173.8
0	-10.3	110.5	0	-176.2
3735	-7.7	112.3	19	-178.3
0	-5.2	114.1	9	-179.4
3736	-4.2	115.9	19	-180.2
0	-4.9	117.7	7	-180.7
3737	-5.7	119.5	19	-181.2
0	-5.3	121.3	5	-182.0
3738	-4.5	123.1	19	-182.8
0	-3.5	125.0	4	-183.1
3739	-3.3	126.8	19	-183.1
0	-3.7	128.6	2	-183.4
3740	-4.2	130.5	19	-183.4
0	-5.4	132.3	1	-183.9
3741	-6.4	134.2	18	-185.0
0	-5.4	136.0	9	-185.5
3742	-3.7	137.9	18	-186.0
0	-2.7	139.7	7	-186.6
3743	-2.6	141.6	18	-186.3
0	-3.0	143.5	6	-186.0
3744	-3.3	145.3	18	-186.0
0	-3.1	147.2	4	-186.3
3745	-3.0	149.0	18	-186.0
0	-2.7	150.9	2	-186.0
3746	-2.3	152.8	18	-186.3
0	-2.0	154.6	0	-185.8
3747	-1.9	156.5	17	-185.5
0	-1.8	158.3	9	-185.2
3748			17	
0			7	
3749			17	
0			5	
3750			17	
0			3	
3751			17	

3775	-0.7	160.2	127	-185.0
0	4.6	162.0	125	-183.6
3776	9.8	163.8	124	-180.4
0	8.8	165.6	122	-177.0
3777	4.1	167.4	120	-173.5
0	0.0	169.1	118	-171.9
3778	-0.4	170.8	117	-171.7
0	3.0	172.5	115	-170.3
3779	7.5	174.2	113	-168.2
0	9.8	175.9	112	-164.7
3780	8.3	177.5	110	-161.0
0	4.7	179.1	108	-158.1
3781	3.0	180.6	107	-155.7
0	3.9	182.2	105	-154.1
3782	6.9	183.7	104	-152.0
0	9.5	185.2	102	-148.8
3783	11.7	186.7	101	-145.0
0	10.6	188.0	99	-126.4
3784	2.7	189.3	98	-110.7
0	-2.8	190.5	97	-120.8
3785	-3.4	191.4	96	-97.7
0	-12.3	192.3	95	-78.2
3786	-17.5	193.2	94	-85.1
0	-12.9	193.8	94	-68.6
3787	-3.1	194.5	93	-54.0
0	0.3	195.0	92	-52.4
3788	0.0	195.5	92	-46.3
0	5.4	195.9	92	-40.9
3789	12.9	196.3	91	-38.6
0	14.9	196.6	91	-30.3
3790	12.5	196.9	91	-23.4
0	7.9	197.1	90	-22.8
3791	5.2	197.3	90	-23.1
0	7.1	197.5	90	-19.1
3792	12.5	197.7	90	-14.6
0	18.0	197.8	90	-13.0
3793	20.1	197.9	90	-6.9
0	18.2	197.9	90	-0.7
3794	16.1	197.9	90	1.0
0	15.9	197.9	90	4.5
3795	16.8	197.8	90	7.9
0	18.4	197.7	90	15.1
3796	19.8	197.5	90	18.9
0	19.9	197.3	90	24.2
3797	18.8	197.0	90	26.6
0	17.2	196.6	91	38.0
3798	16.8	196.3	91	39.1
0	17.9	195.8	92	39.4
3799	19.7	195.4	92	43.9
0	20.3	194.8	93	59.3
3800	19.8	194.3	93	59.3
0	18.7	193.6	94	58.0
3801	17.6	192.9	95	76.1
0	17.5	192.2	95	74.0
3802				
0				
3803				
0				
3804				
0				
3805				

3829	18.2	191.5	96	70.8
0	19.3	190.6	97	75.0
3830	19.5	189.8	98	79.6
0	19.3	188.8	99	84.3
3831	18.7	187.9	100	88.6
0	17.9	186.8	101	103.2
3832	17.6	185.7	102	108.3
0	17.6	184.6	103	112.8
3833	17.8	183.4	104	117.4
0	17.6	182.2	105	122.4
3834	16.7	181.0	106	126.7
0	15.3	179.7	108	131.2
3835	15.1	178.3	109	135.5
0	15.6	176.9	111	139.2
3836	16.1	175.5	112	142.9
0	16.0	174.1	113	146.9
3837	15.2	172.6	115	150.9
0	13.3	171.0	116	154.6
3838	12.1	169.5	118	158.1
0	12.3	167.9	120	160.7
3839	12.3	166.2	121	163.4
0	12.6	164.6	123	166.3
3840	12.1	162.9	125	169.0
0	11.3	161.2	126	171.9
3841	10.6	159.4	128	174.3
0	9.9	157.7	130	176.7
3842	9.2	155.9	132	178.9
0	9.1	154.1	133	180.7
3843	8.8	152.3	135	182.6
0	8.3	150.4	137	184.2
3844	6.9	148.6	139	186.0
0	6.0	146.7	141	187.1
3845	4.9	144.8	143	187.9
0	5.3	142.9	145	188.4
3846	6.2	141.1	146	189.2
0	6.5	139.2	148	190.3
3847	5.8	137.2	150	191.4
0	4.5	135.3	152	191.9
3848	3.4	133.4	154	192.4
0	3.0	131.5	156	192.2
3849	3.4	129.6	158	192.4
0	3.8	127.6	160	192.7
3850	3.5	125.7	162	192.7
0	3.3	123.8	164	192.7
3851	2.7	121.8	166	193.0
0	2.3	119.9	168	192.7
3852	2.3	118.0	169	192.7
0	2.2	116.1	171	192.4
3853	2.2	114.1	173	192.2
0	2.0	112.2	175	191.9
3854	1.9	110.3	177	191.6
0	1.9	108.4	179	191.4
3855	1.8	106.5	181	190.8
0	1.5	104.6	183	190.6
3856				
0				
3857				
0				
3858				
0				
3859				

3883	-0.7	102.7	18	189.8
0	-3.7	100.8	5	188.2
3884	-3.0	98.9	18	186.3
0	0.7	97.1	7	185.0
3885	2.3	95.2	18	184.7
0	1.8	93.4	9	184.4
3886	0.4	91.5	19	183.9
0	-1.6	89.7	0	182.8
3887	-3.0	87.9	19	181.2
0	-2.3	86.1	2	179.7
3888	-1.1	84.3	19	178.1
0	-0.1	82.5	4	176.7
3889	-0.3	80.8	19	175.9
0	-1.9	79.0	6	174.9
3890	-4.3	77.3	19	173.0
0	-6.1	75.5	8	170.6
3891	-6.0	73.9	20	168.2
0	-4.3	72.2	0	165.5
3892	-3.5	70.6	20	163.7
0	-5.3	68.9	1	161.5
3893	-7.9	67.3	20	158.9
0	-6.5	65.9	3	133.1
3894	2.7	64.5	20	142.6
0	4.6	63.4	5	113.9
3895	15.6	62.3	20	100.0
0	23.7	61.4	7	79.0
3896	22.0	60.6	20	76.6
0	13.0	59.9	8	66.2
3897	5.4	59.3	21	56.9
0	2.0	58.8	0	49.2
3898	2.3	58.4	21	38.3
0	1.1	58.0	2	37.2
3899	-0.9	57.7	21	32.4
0	-0.3	57.4	4	25.2
3900	-5.6	57.1	21	24.2
0	-14.6	56.9	5	19.9
3901	-16.7	56.8	21	13.5
0	-11.1	56.6	7	11.9
3902	-5.7	56.5	21	8.2
0	-6.1	56.5	9	6.1
3903	-12.7	56.4	22	4.5
0	-20.7	56.4	0	-0.5
3904	-24.5	56.4	22	-3.4
0	-21.7	56.5	2	-8.7
3905	-13.3	56.7	22	-15.1
0	-6.2	56.8	3	-20.4
3906	-7.3	57.0	22	-22.0
0	-13.2	57.2	4	-22.6
3907	-18.6	57.5	22	-23.6
0	-18.4	57.8	5	-34.0
3908	-13.8	58.2	22	-39.4
0	-9.6	58.5	6	-42.8
3909	-9.8	59.0	22	-46.3
0	-12.9	59.4	7	-44.7
3910			22	
0			8	
3911			22	
0			8	
3912			22	
0			9	
3913			22	

3937	-16.3	59.9	22	-48.4
0	-16.4	60.4	8	-52.7
3938	-13.8	60.9	22	-51.3
0	-11.3	61.5	7	-54.3
3939	-11.7	62.2	22	-69.4
0	-13.6	62.8	7	-66.2
3940	-15.2	63.5	22	-62.8
0	-15.2	64.2	6	-66.8
3941	-13.8	65.0	22	-69.7
0	-12.5	65.8	5	-72.9
3942	-12.3	66.6	22	-76.1
0	-13.8	67.5	5	-87.3
3943	-15.3	68.4	22	-91.3
0	-15.3	69.4	4	-95.5
3944	-14.0	70.4	22	-99.0
0	-12.2	71.4	3	-102.7
3945	-11.7	72.4	22	-106.2
0	-11.9	73.5	2	-108.6
3946	-13.0	74.6	22	-112.0
0	-13.7	75.8	2	-115.2
3947	-13.8	76.9	22	-119.0
0	-13.7	78.2	1	-122.1
3948	-14.0	79.4	22	-125.3
0	-14.1	80.7	0	-129.3
3949	-14.0	82.0	21	-132.8
0	-13.6	83.4	9	-136.3
3950	-13.2	84.8	21	-139.5
0	-12.6	86.2	8	-142.6
3951	-13.3	87.6	21	-145.6
0	-13.6	89.1	7	-148.8
3952	-14.2	90.6	21	-152.5
0	-13.7	92.2	6	-155.7
3953	-13.0	93.8	21	-159.2
0	-12.9	95.4	5	-161.8
3954	-13.2	97.0	21	-165.0
0	-13.6	98.7	4	-168.2
3955	-12.3	100.4	21	-171.1
0	-11.0	102.1	3	-174.3
3956	-9.8	103.9	21	-176.7
0	-10.0	105.7	2	-178.6
3957	-11.3	107.5	21	-181.0
0	-11.7	109.3	1	-183.6
3958	-10.4	111.2	20	-186.0
0	-8.8	113.0	9	-188.2
3959	-8.3	114.9	20	-190.0
0	-8.5	116.8	8	-191.4
3960	-9.4	118.8	20	-193.2
0	-8.9	120.7	7	-195.1
3961	-7.9	122.7	20	-196.7
0	-7.3	124.7	5	-197.8
3962	-7.2	126.6	20	-199.1
0	-7.1	128.6	4	-200.1
3963	-6.6	130.6	20	-200.9
0	-6.4	132.7	3	-201.7
3964			20	
0			1	
3965			20	
0			0	
3966			19	
0			8	
3967			10	

3991	-6.1	134.7	153	-203.1
0	-4.9	136.7	151	-203.9
3992	-3.7	138.8	149	-204.4
0	-3.4	140.8	147	-204.4
3993	-4.1	142.9	145	-204.4
0	-5.0	144.9	143	-204.7
3994	-4.5	147.0	140	-204.9
0	-3.4	149.0	138	-205.2
3995	-2.8	151.1	136	-205.2
0	-2.6	153.1	134	-205.2
3996	-2.3	155.2	132	-205.2
0	-2.2	157.2	130	-204.4
3997	-2.2	159.3	128	-204.4
0	-2.3	161.3	126	-203.9
3998	-1.9	163.3	124	-203.9
0	-0.5	165.4	122	-203.3
3999	3.4	167.4	120	-201.7
0	6.1	169.4	118	-199.4
4000	5.7	171.4	116	-196.7
0	3.0	173.3	114	-194.3
4001	0.0	175.3	112	-192.7
0	-0.4	177.2	110	-191.9
4002	2.3	179.1	108	-191.1
0	7.1	181.0	106	-188.7
4003	9.2	182.8	105	-185.2
0	7.9	184.7	103	-182.0
4004	5.0	186.5	101	-178.9
0	3.7	188.2	99	-158.6
4005	-3.0	189.8	98	-137.9
0	-4.3	191.2	96	-144.5
4006	-18.6	192.3	95	-114.2
0	-34.2	193.3	94	-99.0
4007	-35.0	194.2	93	-85.4
0	-22.2	195.0	92	-64.6
4008	-3.0	195.6	92	-60.1
0	0.5	196.1	91	-45.7
4009	1.2	196.6	91	-43.6
0	7.9	197.0	90	-33.0
4010	11.0	197.3	90	-30.6
0	10.6	197.6	90	-23.4
4011	8.4	197.8	90	-22.3
0	7.7	198.0	89	-19.7
4012	9.8	198.2	89	-14.6
0	13.6	198.3	89	-14.1
4013	16.8	198.4	89	-9.0
0	18.2	198.5	89	-3.1
4014	17.6	198.5	89	0.7
0	18.3	198.5	89	2.1
4015	17.8	198.4	89	8.2
0	17.5	198.3	89	13.3
4016	17.6	198.1	89	18.6
0	17.9	197.9	90	21.5
4017	18.3	197.7	90	23.9
0	18.4	197.4	90	29.0
4018				
0				
4019				
0				
4020				
0				
4021				

4045	18.2	197.0	90	33.0
0	17.8	196.6	91	45.7
4046	17.6	196.1	91	50.5
0	17.9	195.7	92	50.8
4047	18.6	195.1	92	50.0
0	19.3	194.5	93	66.5
4048	19.1	193.9	94	65.4
0	18.4	193.2	94	63.6
4049	17.9	192.4	95	83.0
0	17.5	191.6	96	87.3
4050	16.8	190.8	97	93.4
0	16.3	189.9	98	96.6
4051	15.9	189.0	98	102.4
0	15.9	188.0	99	107.0
4052	16.3	187.0	100	111.2
0	15.6	186.0	101	105.6
4053	14.6	184.9	103	109.9
0	13.7	183.8	104	113.6
4054	12.7	182.6	105	117.1
0	12.2	181.4	106	120.3
4055	11.9	180.2	107	123.5
0	12.9	178.9	109	126.4
4056	13.8	177.6	110	129.9
0	13.6	176.3	111	133.1
4057	12.5	174.9	113	136.5
0	11.4	173.6	114	139.5
4058	10.6	172.1	115	142.1
0	9.6	170.7	117	144.8
4059	10.3	169.2	118	146.9
0	11.1	167.8	120	149.3
4060	11.0	166.2	121	152.0
0	10.2	164.7	123	154.4
4061	8.9	163.1	124	156.5
0	8.5	161.6	126	158.4
4062	9.2	160.0	127	160.2
0	9.5	158.4	129	162.3
4063	9.2	156.7	131	164.2
0	8.5	155.1	132	166.1
4064	7.2	153.4	134	167.9
0	6.8	151.7	136	169.3
4065	6.9	150.0	137	170.3
0	7.2	148.3	139	171.7
4066	7.7	146.6	141	172.7
0	7.6	144.8	143	174.3
4067	8.1	143.1	144	175.7
0	8.7	141.3	146	177.3
4068	8.8	139.5	148	179.1
0	8.4	137.7	150	181.0
4069	7.5	135.9	152	182.6
0	7.2	134.0	153	183.9
4070	7.2	132.2	155	185.2
0	7.1	130.3	157	186.3
4071	6.9	128.5	159	187.6
0	5.8	126.6	161	188.7
4072				
0				
4073				
0				
4074				
0				
4075				

4099	4.9	124.7	16	189.5
0	4.9	122.8	3	190.0
4100	5.2	120.9	16	190.8
0	5.3	119.0	5	190.8
4101	5.4	117.0	16	191.9
0	5.2	115.1	7	192.4
4102	4.2	113.2	16	193.2
0	3.1	111.3	8	193.5
4103	2.6	109.3	17	193.5
0	2.6	107.4	0	193.2
4104	2.6	105.5	17	193.2
0	2.3	103.5	2	193.2
4105	2.2	101.6	17	192.7
0	2.0	99.7	4	192.4
4106	2.0	97.7	17	192.2
0	1.9	95.8	6	191.9
4107	1.8	93.9	17	191.6
0	1.5	92.0	8	191.4
4108	-0.5	90.1	18	190.3
0	-4.3	88.2	0	188.7
4109	-5.7	86.3	18	186.6
0	-4.5	84.5	2	184.2
4110	-2.8	82.6	18	181.8
0	-1.9	80.8	4	180.4
4111	-3.0	79.0	18	178.9
0	-6.0	77.3	6	177.0
4112	-8.0	75.5	18	174.1
0	-7.3	73.8	8	170.9
4113	-4.7	72.1	19	167.7
0	-3.1	70.5	0	165.8
4114	-4.5	68.8	19	163.9
0	-8.0	67.3	2	145.0
4115	-6.0	65.7	19	133.1
0	3.0	64.4	4	130.4
4116	6.0	63.2	19	102.2
0	18.3	62.2	5	99.8
4117	26.6	61.2	19	96.1
0	22.0	60.5	7	75.8
4118	11.7	59.8	19	65.4
0	3.0	59.2	9	56.1
4119	0.8	58.7	20	48.4
0	2.6	58.3	1	37.8
4120	3.5	57.9	20	36.7
0	0.8	57.6	3	34.8
4121	-0.4	57.3	20	27.4
0	0.0	57.0	5	23.6
4122	-1.1	56.8	20	20.7
0	-6.6	56.6	7	15.7
4123	-10.6	56.5	20	14.3
0	-10.7	56.4	8	12.2
4124	-9.1	56.3	21	8.2
0	-10.3	56.2	0	5.0
4125	-14.1	56.2	21	2.6
0	-18.4	56.2	2	-1.0
4126			21	
0			4	
4127			21	
0			5	
4128			21	
0			7	
4129			21	

4153	-19.8	56.2	23	-3.9
0	-16.0	56.3	1	-8.5
4154	-9.6	56.4	23	-12.2
0	-6.1	56.6	1	-14.3
4155	-8.3	56.8	23	-19.4
0	-13.3	56.9	1	-19.7
4156	-17.4	57.2	23	-21.2
0	-17.2	57.4	1	-30.8
4157	-14.0	57.8	23	-35.9
0	-11.3	58.1	1	-40.1
4158	-11.5	58.5	23	-43.6
0	-13.8	58.9	1	-42.8
4159	-16.0	59.4	23	-41.7
0	-15.9	59.9	0	-55.9
4160	-13.8	60.4	23	-54.8
0	-11.9	61.0	0	-52.7
4161	-12.7	61.6	23	-67.8
0	-15.2	62.2	0	-64.6
4162	-16.8	62.9	22	-62.0
0	-15.9	63.6	9	-66.0
4163	-13.8	64.4	22	-69.7
0	-12.2	65.2	9	-72.6
4164	-11.9	66.0	22	-92.3
0	-12.9	66.9	9	-95.5
4165	-13.4	67.8	22	-99.0
0	-12.9	68.7	8	-93.7
4166	-11.0	69.7	22	-96.9
0	-9.8	70.7	8	-99.3
4167	-10.0	71.7	22	-102.2
0	-11.8	72.7	7	-104.3
4168	-13.3	73.8	22	-107.5
0	-13.8	74.9	6	-111.2
4169	-13.2	76.0	22	-114.2
0	-12.6	77.2	6	-117.9
4170	-13.0	78.4	22	-120.8
0	-13.7	79.6	5	-124.5
4171	-14.1	80.9	22	-127.5
0	-13.3	82.2	5	-131.2
4172	-12.1	83.6	22	-134.4
0	-11.1	84.9	4	-137.3
4173	-11.5	86.3	22	-139.7
0	-12.5	87.7	3	-142.6
4174	-13.4	89.2	22	-145.6
0	-13.3	90.7	2	-149.0
4175	-11.9	92.2	22	-152.0
0	-10.6	93.7	1	-155.2
4176	-11.1	95.3	22	-157.0
0	-12.5	96.9	1	-160.0
4177	-13.7	98.5	22	-162.6
0	-13.0	100.2	0	-165.8
4178	-11.1	101.8	21	-169.0
0	-9.6	103.5	9	-171.4
4179	-9.8	105.3	21	-173.5
0	-11.9	107.0	8	-176.2
4180			21	
0			7	
4181			21	
0			6	
4182			21	
0			5	
4183			21	

4207	-13.6	108.8	179	-178.3
0	-12.9	110.6	177	-181.5
4208	-10.7	112.5	175	-184.4
0	-8.9	114.3	173	-186.3
4209	-8.8	116.2	171	-188.2
0	-9.8	118.1	169	-190.0
4210	-10.6	120.0	167	-192.2
0	-10.3	121.9	166	-194.0
4211	-10.0	123.9	164	-196.4
0	-10.0	125.9	162	-198.6
4212	-9.9	127.9	160	-200.7
0	-9.5	129.9	158	-202.5
4213	-9.5	131.9	156	-204.1
0	-10.3	134.0	153	-206.3
4214	-9.9	136.1	151	-208.1
0	-8.4	138.2	149	-210.0
4215	-7.1	140.3	147	-211.3
0	-7.1	142.4	145	-212.7
4216	-8.3	144.5	143	-214.0
0	-8.4	146.7	141	-215.3
4217	-7.9	148.9	139	-216.4
0	-7.3	151.0	136	-217.7
4218	-6.5	153.2	134	-219.1
0	-4.9	155.4	132	-219.6
4219	-3.3	157.6	130	-220.1
0	-3.0	159.8	128	-219.9
4220	-3.5	162.0	125	-219.9
0	-3.4	164.2	123	-219.9
4221	-3.0	166.4	121	-219.6
0	-2.4	168.6	119	-219.6
4222	-2.2	170.8	117	-219.3
0	-2.0	173.0	114	-218.8
4223	-1.8	175.2	112	-218.3
0	3.0	177.4	110	-217.5
4224	10.6	179.5	108	-215.1
0	13.3	181.6	106	-210.3
4225	8.3	183.7	104	-205.7
0	1.2	185.7	102	-202.8
4226	-1.6	187.6	100	-181.8
0	-3.1	189.6	98	-164.5
4227	-4.1	191.2	96	-153.0
0	-23.7	192.6	95	-128.3
4228	-40.5	193.7	94	-109.6
0	-45.7	194.6	93	-92.6
4229	-35.3	195.4	92	-76.9
0	-14.5	196.1	91	-56.1
4230	0.8	196.6	91	-50.8
0	0.4	197.1	90	-38.0
4231	1.1	197.4	90	-35.4
0	3.5	197.8	90	-26.0
4232	4.2	198.0	89	-23.9
0	4.1	198.2	89	-21.8
4233	3.5	198.4	89	-17.0
0	4.3	198.5	89	-14.1
4234				
0				
4235				
0				
4236				
0				
4237				

4261	6.6	198.7	89	-10.3
0	10.4	198.8	89	-10.1
4262	13.6	198.8	89	-5.5
0	15.1	198.9	89	-1.0
4263	16.1	198.8	89	0.5
0	16.8	198.8	89	3.9
4264	16.7	198.7	89	7.4
0	16.1	198.6	89	11.7
4265	15.9	198.5	89	15.7
0	16.0	198.3	89	19.4
4266	16.7	198.0	89	23.9
0	17.5	197.7	90	27.6
4267	18.4	197.4	90	35.4
0	19.4	197.0	90	44.7
4268	19.4	196.5	91	50.3
0	19.1	196.0	91	50.8
4269	19.0	195.5	92	50.3
0	18.8	194.9	93	67.3
4270	19.0	194.2	93	66.0
0	19.4	193.5	94	64.1
4271	19.8	192.8	95	83.5
0	19.4	192.0	95	89.4
4272	18.6	191.1	96	94.7
0	17.5	190.2	97	100.3
4273	17.0	189.3	98	105.4
0	17.1	188.3	99	110.2
4274	17.6	187.2	100	115.0
0	18.2	186.1	101	109.1
4275	16.8	185.0	102	113.9
0	14.9	183.8	104	118.4
4276	13.0	182.6	105	122.1
0	11.9	181.4	106	125.3
4277	11.7	180.1	107	128.5
0	12.7	178.8	109	131.5
4278	13.7	177.5	110	134.4
0	13.4	176.1	111	137.9
4279	11.9	174.7	113	141.0
0	9.8	173.3	114	144.0
4280	7.9	171.8	116	146.1
0	7.1	170.3	117	147.7
4281	8.7	168.8	119	149.0
0	10.2	167.3	120	151.2
4282	9.6	165.8	122	153.6
0	7.7	164.2	123	155.7
4283	5.3	162.7	125	157.0
0	4.3	161.1	126	157.6
4284	5.2	159.5	128	158.4
0	6.6	157.9	130	159.4
4285	7.2	156.3	131	160.7
0	6.6	154.7	133	161.8
4286	5.0	153.1	134	162.9
0	3.9	151.5	136	163.7
4287	3.4	149.8	138	163.9
0	3.9	148.2	139	164.5
4288				
0				
4289				
0				
4290				
0				
4291				

4315	4.6	146.5	14	164.7
0	4.7	144.9	1	165.5
4316	4.5	143.2	14	166.1
0	3.7	141.5	3	166.3
4317	2.6	139.9	14	166.9
0	2.0	138.2	4	166.9
4318	2.0	136.5	14	166.6
0	2.0	134.9	6	166.6
4319	2.3	133.2	14	166.3
0	2.2	131.5	8	166.3
4320	2.3	129.9	14	166.1
0	2.4	128.2	9	165.8
4321	2.2	126.6	15	166.1
0	2.0	124.9	1	165.8
4322	2.0	123.2	15	165.8
0	1.9	121.6	3	165.5
4323	2.0	119.9	15	165.5
0	2.0	118.3	4	165.0
4324	2.0	116.6	15	165.0
0	2.0	115.0	6	164.7
4325	1.9	113.3	15	164.7
0	1.9	111.7	8	164.5
4326	1.9	110.0	15	164.2
0	1.9	108.4	9	163.9
4327	1.9	106.8	16	163.7
0	1.8	105.1	1	163.7
4328	1.8	103.5	16	163.4
0	1.9	101.9	3	163.1
4329	1.8	100.2	16	162.9
0	1.8	98.6	4	162.6
4330	1.5	97.0	16	162.3
0	-0.4	95.4	6	161.8
4331	-3.1	93.7	16	160.5
0	-4.1	92.1	8	158.9
4332	-1.9	90.6	16	157.0
0	0.7	89.0	9	156.0
4333	1.1	87.5	17	155.4
0	-0.3	85.9	1	155.2
4334	-3.1	84.4	17	154.1
0	-3.9	82.8	2	152.0
4335	-2.4	81.3	17	150.4
0	-1.1	79.8	4	149.0
4336	-0.5	78.4	17	148.0
0	-2.2	76.9	6	146.9
4337	-4.9	75.4	17	145.3
0	-5.7	74.0	7	143.2
4338	-5.0	72.6	17	140.8
0	-3.3	71.2	9	138.4
4339	-2.8	69.8	18	136.8
0	-4.5	68.4	1	135.2
4340	-6.4	67.1	18	132.8
0	-4.2	65.9	2	122.9
4341	2.4	64.8	18	99.0
0	2.6	63.8	4	99.3
4342			18	
0			6	
4343			18	
0			7	
4344			18	
0			9	
4345			10	

4369	6.9	62.8	22	79.3
0	14.6	62.0	5	79.8
4370	17.0	61.3	22	63.8
0	11.5	60.6	5	63.0
4371	5.3	60.1	22	55.9
0	0.4	59.6	6	49.5
4372	0.3	59.1	22	47.9
0	0.3	58.7	7	39.4
4373	0.0	58.3	22	38.6
0	-0.3	58.0	7	31.1
4374	-4.9	57.7	22	27.4
0	-14.2	57.5	8	25.5
4375	-17.0	57.3	22	18.6
0	-13.4	57.1	8	12.5
4376	-8.5	57.0	22	10.6
0	-8.5	56.9	9	8.5
4377	-13.6	56.9	22	5.0
0	-18.8	56.8	9	1.0
4378	-21.7	56.9	22	-1.5
0	-20.3	56.9	9	-6.3
4379	-15.6	57.0	23	-13.5
0	-12.7	57.2	0	-18.3
4380	-14.4	57.4	23	-22.0
0	-17.9	57.6	0	-23.9
4381	-19.8	57.9	23	-26.0
0	-17.6	58.2	0	-37.8
4382	-14.1	58.6	23	-42.8
0	-12.3	59.0	0	-46.0
4383	-14.0	59.4	23	-45.7
0	-16.8	59.9	0	-44.7
4384	-17.5	60.5	23	-59.6
0	-14.9	61.0	1	-58.8
4385	-11.4	61.6	23	-62.5
0	-9.4	62.3	1	-58.5
4386	-10.0	63.0	23	-60.6
0	-11.5	63.6	1	-63.3
4387	-12.6	64.4	23	-80.3
0	-12.2	65.2	1	-83.8
4388	-10.3	66.0	23	-87.3
0	-8.7	66.8	1	-90.2
4389	-8.7	67.6	23	-92.3
0	-9.9	68.5	0	-86.2
4390	-10.4	69.3	23	-88.9
0	-9.5	70.2	0	-91.3
4391	-8.1	71.2	23	-93.4
0	-7.6	72.1	0	-95.5
4392	-8.4	73.1	23	-97.4
0	-10.6	74.1	0	-99.5
4393	-11.7	75.1	23	-101.9
0	-11.5	76.1	0	-104.8
4394	-10.2	77.2	22	-107.8
0	-9.5	78.3	9	-110.2
4395	-10.0	79.4	22	-112.6
0	-11.3	80.6	9	-115.2
4396			22	
0			8	
4397			22	
0			8	
4398			22	
0			8	
4399			22	

4423	-11.7	81.8	20	-117.6
0	-11.0	83.0	6	-120.8
4424	-9.9	84.2	20	-123.2
0	-8.9	85.4	4	-125.6
4425	-9.6	86.7	20	-127.5
0	-10.7	88.0	3	-130.1
4426	-11.7	89.3	20	-132.5
0	-11.1	90.7	2	-135.5
4427	-10.0	92.0	20	-137.9
0	-9.1	93.4	1	-140.5
4428	-9.6	94.9	19	-142.1
0	-11.5	96.3	9	-144.8
4429	-12.5	97.8	19	-147.2
0	-11.5	99.3	8	-150.4
4430	-9.5	100.8	19	-152.8
0	-7.6	102.3	7	-154.6
4431	-7.3	103.9	19	-156.2
0	-8.9	105.5	5	-157.6
4432	-11.0	107.0	19	-160.0
0	-11.5	108.7	4	-162.6
4433	-9.4	110.3	19	-165.0
0	-6.6	112.0	3	-166.9
4434	-6.0	113.7	19	-167.7
0	-7.6	115.3	1	-169.0
4435	-9.4	117.0	19	-170.3
0	-9.2	118.8	0	-172.2
4436	-7.2	120.5	18	-174.1
0	-4.7	122.2	8	-174.9
4437	-4.5	124.0	18	-175.7
0	-5.8	125.8	7	-176.2
4438	-7.7	127.5	18	-177.3
0	-7.9	129.3	5	-178.9
4439	-6.2	131.1	18	-180.4
0	-4.9	132.9	4	-181.2
4440	-4.2	134.7	18	-181.5
0	-4.2	136.6	2	-182.0
4441	-4.5	138.4	18	-182.6
0	-4.7	140.2	0	-182.8
4442	-5.2	142.0	17	-183.4
0	-5.8	143.9	9	-184.2
4443	-5.0	145.7	17	-184.7
0	-3.3	147.6	7	-185.5
4444	-2.3	149.4	17	-185.5
0	-2.4	151.3	5	-185.5
4445	-2.8	153.2	17	-185.2
0	-2.6	155.0	4	-185.2
4446	-2.3	156.9	17	-185.0
0	-2.0	158.7	2	-184.7
4447	-2.0	160.6	17	-184.7
0	-1.9	162.4	0	-184.2
4448	-1.6	164.2	16	-183.9
0	0.4	166.1	9	-183.4
4449	6.5	167.9	16	-181.5
0	9.4	169.7	7	-178.3
4450			16	
0			5	
4451			16	
0			3	
4452			16	
0			2	
4453			16	

4477	7.9	171.4	116	-174.9
0	3.9	173.2	114	-172.2
4478	0.4	174.9	113	-170.3
0	0.8	176.6	111	-169.8
4479	4.7	178.3	109	-168.2
0	9.5	179.9	108	-165.3
4480	11.5	181.6	106	-161.3
0	8.9	183.1	104	-157.0
4481	4.7	184.7	103	-154.4
0	3.1	186.2	101	-152.5
4482	5.0	187.7	100	-150.1
0	4.7	189.1	98	-135.5
4483	-2.4	190.3	97	-107.2
0	-2.3	191.4	96	-115.5
4484	-2.3	192.4	95	-101.4
0	-7.6	193.2	94	-81.4
4485	-12.3	194.0	93	-79.0
0	-10.3	194.6	93	-56.9
4486	-2.7	195.2	92	-55.1
0	0.4	195.7	92	-42.8
4487	0.1	196.1	91	-42.3
0	7.9	196.5	91	-33.0
4488	18.6	196.8	91	-30.6
0	21.6	197.1	90	-22.0
4489	17.1	197.3	90	-18.6
0	8.9	197.4	90	-13.0
4490	4.1	197.5	90	-12.5
0	6.5	197.6	90	-11.1
4491	13.8	197.7	90	-7.9
0	21.2	197.8	90	-2.6
4492	23.9	197.8	90	0.5
0	22.4	197.7	90	5.3
4493	16.5	197.6	90	10.1
0	11.4	197.5	90	13.8
4494	11.3	197.3	90	17.0
0	15.6	197.1	90	19.9
4495	20.9	196.9	91	24.2
0	22.8	196.5	91	29.0
4496	20.5	196.2	91	34.3
0	15.5	195.7	92	47.9
4497	12.1	195.3	92	47.3
0	12.2	194.8	93	45.7
4498	16.7	194.2	93	59.6
0	20.7	193.7	94	58.8
4499	21.8	193.1	94	57.5
0	18.7	192.3	95	76.9
4500	14.5	191.6	96	74.5
0	11.4	190.9	97	70.2
4501	12.5	190.0	97	89.1
0	16.8	189.2	98	92.6
4502	20.6	188.3	99	97.7
0	21.4	187.4	100	103.5
4503	18.4	186.4	101	99.8
0	14.1	185.4	102	104.6
4504				
0				
4505				
0				
4506				
0				
4507				

4531	11.3	184.3	10	108.3
0	12.6	183.2	3	111.2
4532	16.5	182.0	10	114.7
0	19.3	180.9	4	119.0
4533	17.8	179.6	10	124.0
0	14.8	178.4	5	128.5
4534	11.7	177.1	10	132.3
0	9.9	175.7	7	134.9
4535	11.4	174.3	10	137.1
0	14.5	173.0	8	140.0
4536	15.6	171.5	10	143.4
0	14.0	170.1	9	147.2
4537	11.0	168.6	11	150.4
0	8.1	167.0	0	153.3
4538	7.2	165.5	11	154.9
0	9.1	163.9	2	156.2
4539	11.0	162.4	11	158.4
0	12.1	160.8	3	160.7
4540	10.8	159.1	11	163.9
0	7.9	157.5	4	166.1
4541	5.6	155.8	11	167.7
0	5.7	154.1	6	168.5
4542	7.9	152.4	11	169.3
0	9.9	150.7	7	170.9
4543	9.6	149.0	11	173.3
0	7.1	147.2	9	175.4
4544	4.2	145.5	12	176.5
0	3.3	143.7	0	176.7
4545	4.6	141.9	12	177.0
0	7.6	140.2	2	177.8
4546	8.8	138.4	12	178.9
0	7.7	136.6	4	180.7
4547	5.3	134.8	12	182.3
0	3.4	132.9	5	182.8
4548	3.1	131.1	12	182.8
0	4.2	129.3	7	182.8
4549	5.6	127.4	12	183.4
0	5.4	125.6	8	183.9
4550	4.5	123.8	13	185.0
0	2.8	121.9	0	185.0
4551	2.3	120.1	13	185.2
0	2.6	118.2	2	185.0
4552	3.1	116.4	13	185.0
0	3.7	114.5	3	185.0
4553	3.9	112.7	13	185.2
0	3.4	110.8	5	185.5
4554	2.4	108.9	13	185.5
0	2.2	107.1	7	185.5
4555	2.2	105.2	13	185.5
0	2.0	103.4	8	185.0
4556	2.2	101.5	14	184.7
0	2.0	99.7	0	184.4
4557	2.0	97.8	14	184.2
0	2.0	96.0	2	183.9
4558			14	
0			4	
4559			14	
0			6	
4560			14	
0			7	
4561			14	

4585	1.9	94.2	19	183.6
0	1.9	92.3	3	183.4
4586	1.8	90.5	19	182.8
0	1.4	88.7	5	182.6
4587	-0.1	86.8	19	182.0
0	-2.8	85.0	7	181.0
4588	-3.3	83.2	19	179.1
0	-0.7	81.5	9	177.5
4589	1.5	79.7	20	176.7
0	1.4	77.9	1	176.5
4590	-0.8	76.2	20	175.7
0	-3.9	74.4	2	174.3
4591	-4.3	72.7	20	172.2
0	-2.7	71.0	4	170.6
4592	-2.3	69.3	20	168.7
0	-3.7	67.6	6	167.1
4593	-4.2	66.1	20	160.0
0	3.3	64.6	8	124.5
4594	4.7	63.4	21	120.5
0	17.8	62.2	0	115.5
4595	25.9	61.3	21	92.1
0	23.5	60.5	1	79.3
4596	12.3	59.8	21	67.8
0	2.4	59.2	3	58.0
4597	0.0	58.7	21	44.7
0	0.5	58.2	5	42.8
4598	0.0	57.8	21	40.4
0	-0.8	57.5	6	31.9
4599	-9.6	57.2	21	27.1
0	-20.5	57.0	8	23.1
4600	-21.3	56.8	22	15.1
0	-13.0	56.7	0	9.0
4601	-4.5	56.6	22	8.5
0	-3.3	56.6	1	6.9
4602	-9.4	56.5	22	5.8
0	-15.5	56.5	3	1.8
4603	-18.6	56.5	22	-0.7
0	-18.3	56.5	4	-4.5
4604	-17.6	56.6	22	-8.7
0	-18.6	56.7	5	-13.3
4605	-19.0	56.9	22	-17.5
0	-17.4	57.2	6	-22.0
4606	-14.4	57.4	22	-26.6
0	-12.1	57.8	7	-29.8
4607	-12.9	58.1	22	-33.0
0	-15.7	58.5	8	-44.1
4608	-17.9	58.9	22	-43.9
0	-17.9	59.4	8	-43.9
4609	-16.0	60.0	22	-59.1
0	-14.4	60.5	9	-57.7
4610	-14.4	61.1	22	-55.6
0	-16.5	61.8	9	-72.1
4611	-17.6	62.5	23	-76.1
0	-16.0	63.2	0	-81.4
4612			23	
0			0	
4613			23	
0			0	
4614			23	
0			0	
4615			23	

4639	-12.6	64.0	22	-86.2
0	-10.7	64.8	3	-89.4
4640	-11.3	65.6	22	-92.6
0	-13.4	66.5	3	-95.8
4641	-14.9	67.4	22	-99.5
0	-14.6	68.3	2	-94.5
4642	-12.9	69.3	22	-98.5
0	-11.8	70.3	1	-101.4
4643	-12.6	71.3	22	-104.6
0	-14.5	72.4	0	-108.0
4644	-15.1	73.5	21	-111.5
0	-14.0	74.7	9	-115.8
4645	-11.9	75.8	21	-119.0
0	-11.0	77.1	8	-121.9
4646	-11.5	78.3	21	-124.8
0	-13.2	79.6	7	-127.5
4647	-13.7	80.9	21	-130.9
0	-12.5	82.2	6	-134.1
4648	-10.3	83.6	21	-137.1
0	-8.7	85.0	5	-139.5
4649	-9.6	86.4	21	-141.3
0	-11.3	87.8	4	-143.4
4650	-13.0	89.3	21	-146.1
0	-12.3	90.7	3	-149.3
4651	-11.1	92.3	21	-152.0
0	-9.2	93.8	2	-154.6
4652	-10.2	95.4	21	-156.5
0	-12.7	96.9	0	-158.9
4653	-14.6	98.6	20	-162.1
0	-13.6	100.2	9	-165.5
4654	-11.0	101.9	20	-168.7
0	-8.9	103.6	8	-171.1
4655	-9.5	105.3	20	-173.0
0	-12.1	107.1	7	-175.4
4656	-13.8	108.8	20	-178.1
0	-12.9	110.6	5	-181.2
4657	-10.2	112.5	20	-183.9
0	-8.5	114.3	4	-185.5
4658	-9.1	116.2	20	-187.4
0	-10.6	118.1	2	-189.8
4659	-11.0	120.0	20	-191.6
0	-9.8	121.9	1	-193.8
4660	-8.1	123.9	20	-195.6
0	-7.5	125.9	0	-197.5
4661	-7.6	127.8	19	-198.6
0	-7.9	129.8	8	-199.9
4662	-8.1	131.8	19	-201.2
0	-8.8	133.9	7	-202.8
4663	-7.9	135.9	19	-204.4
0	-6.0	138.0	5	-205.5
4664	-4.5	140.0	19	-206.3
0	-4.5	142.1	4	-206.8
4665	-6.2	144.2	19	-207.3
0	-7.1	146.2	2	-208.1
4666			19	
0			1	
4667			18	
0			9	
4668			18	
0			7	
4669			18	

4693	-5.4	148.3	139	-208.9
0	-3.5	150.4	137	-209.5
4694	-2.7	152.5	135	-209.5
0	-2.6	154.6	133	-209.2
4695	-2.4	156.7	131	-208.9
0	-2.3	158.8	129	-208.7
4696	-2.4	160.9	127	-208.7
0	-2.3	163.0	124	-208.1
4697	-2.2	165.0	122	-207.9
0	-2.0	167.1	120	-207.1
4698	-0.3	169.2	118	-207.1
0	5.3	171.2	116	-205.5
4699	9.9	173.3	114	-202.3
0	8.9	175.3	112	-198.6
4700	4.5	177.2	110	-195.1
0	1.8	179.2	108	-193.5
4701	3.0	181.1	106	-191.6
0	6.4	183.0	104	-189.2
4702	9.2	184.9	103	-186.6
0	10.4	186.7	101	-182.8
4703	8.8	188.5	99	-176.5
0	-2.7	190.0	97	-152.0
4704	-5.4	191.3	96	-130.4
0	-23.9	192.6	95	-123.5
4705	-35.1	193.5	94	-97.4
0	-32.7	194.4	93	-83.5
4706	-16.1	195.2	92	-76.9
0	0.7	195.7	92	-58.0
4707	0.4	196.3	91	-54.0
0	3.0	196.7	91	-42.0
4708	8.1	197.1	90	-31.4
0	8.7	197.4	90	-29.0
4709	5.8	197.6	90	-27.6
0	3.5	197.9	90	-22.0
4710	3.1	198.1	89	-19.1
0	5.6	198.2	89	-15.9
4711	10.0	198.4	89	-13.0
0	14.5	198.5	89	-10.6
4712	16.1	198.5	89	-5.0
0	15.5	198.5	89	-0.2
4713	15.5	198.5	89	0.2
0	16.0	198.5	89	4.5
4714	16.8	198.4	89	9.8
0	17.9	198.3	89	14.6
4715	18.4	198.1	89	20.4
0	18.0	197.9	90	23.4
4716	17.4	197.6	90	25.5
0	16.5	197.3	90	36.4
4717	16.7	196.9	91	41.2
0	17.5	196.5	91	46.3
4718	18.4	196.1	91	50.5
0	19.0	195.6	92	57.2
4719	18.6	195.0	92	56.7
0	17.8	194.4	93	55.6
4720				
0				
4721				
0				
4722				
0				
4723				

4747	17.0	193.7	94	73.4
0	16.8	193.0	94	76.9
4748	16.8	192.3	95	83.0
0	17.1	191.5	96	79.8
4749	16.8	190.7	97	75.8
0	16.4	189.8	98	79.6
4750	15.9	188.9	99	83.3
0	16.0	188.0	99	87.3
4751	16.4	186.9	101	100.8
0	17.0	185.9	102	105.4
4752	16.1	184.8	103	109.6
0	15.7	183.7	104	114.2
4753	14.8	182.5	105	118.2
0	13.4	181.3	106	121.9
4754	12.3	180.0	107	125.3
0	12.6	178.8	109	128.3
4755	14.1	177.5	110	131.5
0	14.1	176.1	111	135.2
4756	13.0	174.7	113	138.7
0	11.5	173.3	114	141.6
4757	9.6	171.9	116	144.2
0	8.4	170.4	117	146.6
4758	9.2	168.9	119	148.5
0	10.4	167.4	120	150.9
4759	10.8	165.9	122	153.0
0	9.8	164.4	123	155.4
4760	8.4	162.8	125	157.3
0	7.5	161.2	126	159.2
4761	7.9	159.6	128	160.7
0	8.8	158.0	129	162.3
4762	8.8	156.4	131	164.2
0	8.5	154.7	133	166.1
4763	7.9	153.0	134	167.7
0	7.2	151.3	136	169.3
4764	6.6	149.6	138	170.6
0	6.6	147.9	140	171.9
4765	7.2	146.2	141	173.0
0	7.5	144.4	143	174.3
4766	7.9	142.7	145	175.9
0	7.9	140.9	147	177.0
4767	7.2	139.1	148	178.9
0	6.5	137.3	150	180.2
4768	5.7	135.5	152	181.0
0	5.8	133.7	154	181.8
4769	6.2	131.9	156	182.6
0	6.2	130.1	157	183.9
4770	6.0	128.2	159	184.7
0	4.9	126.4	161	185.8
4771	3.9	124.5	163	186.0
0	4.1	122.6	165	186.3
4772	4.3	120.8	167	186.6
0	4.5	118.9	169	186.8
4773	4.1	117.0	170	187.4
0	3.5	115.1	172	187.9
4774				
0				
4775				
0				
4776				
0				
4777				

4801	3.0	113.3	17	187.9
0	2.6	111.4	4	187.9
4802	2.4	109.5	17	187.4
0	2.4	107.6	6	187.4
4803	2.4	105.8	17	187.4
0	2.2	103.9	8	187.4
4804	2.0	102.0	18	187.1
0	2.0	100.1	0	186.8
4805	1.9	98.3	18	186.3
0	1.9	96.4	2	186.3
4806	1.8	94.5	18	186.0
0	1.5	92.7	4	185.5
4807	-1.2	90.8	18	185.0
0	-5.3	89.0	5	183.1
4808	-5.8	87.2	18	180.4
0	-3.4	85.4	7	178.3
4809	-0.5	83.6	18	176.7
0	0.9	81.9	9	175.9
4810	0.0	80.1	19	175.1
0	-2.0	78.4	1	174.3
4811	-3.8	76.6	19	172.5
0	-4.2	74.9	3	170.3
4812	-2.7	73.2	19	168.7
0	-1.6	71.6	5	166.9
4813	-2.6	69.9	19	165.5
0	-5.2	68.3	7	163.7
4814	-8.5	66.7	19	144.2
0	-3.3	65.2	8	156.5
4815	2.7	64.0	20	125.3
0	8.3	62.8	0	109.1
4816	17.6	61.8	20	85.7
0	20.9	61.0	2	83.3
4817	14.4	60.2	20	72.1
0	5.6	59.6	4	68.1
4818	-0.1	59.0	20	53.2
0	0.0	58.5	6	46.3
4819	-0.8	58.1	20	40.1
0	-7.7	57.8	7	34.3
4820	-16.1	57.5	20	30.8
0	-17.4	57.2	9	23.1
4821	-11.5	57.0	21	16.7
0	-6.6	56.9	1	16.5
4822	-6.6	56.7	21	14.3
0	-11.1	56.6	3	10.9
4823	-14.5	56.5	21	8.7
0	-14.1	56.4	4	3.7
4824	-11.5	56.4	21	0.5
0	-13.0	56.4	6	-0.2
4825	-17.6	56.5	21	-3.9
0	-21.8	56.5	8	-7.4
4826	-22.2	56.7	21	-12.7
0	-18.6	56.8	9	-18.3
4827	-13.7	57.1	22	-22.3
0	-11.3	57.4	1	-26.0
4828			22	
0			2	
4829			22	
0			3	
4830			22	
0			5	
4831			22	

4855	-12.2	57.7	23	-28.7
0	-15.1	58.0	0	-38.8
4856	-17.0	58.4	22	-39.4
0	-17.2	58.8	9	-39.4
4857	-16.8	59.3	22	-43.1
0	-17.0	59.8	9	-58.0
4858	-17.8	60.4	22	-56.9
0	-18.2	61.0	9	-55.9
4859	-17.4	61.6	22	-66.8
0	-15.7	62.4	8	-78.0
4860	-14.1	63.1	22	-82.5
0	-13.3	63.9	8	-87.0
4861	-14.1	64.7	22	-90.2
0	-15.7	65.5	7	-94.2
4862	-16.4	66.4	22	-99.0
0	-15.9	67.4	6	-103.2
4863	-15.2	68.3	22	-98.2
0	-14.1	69.3	6	-102.4
4864	-13.7	70.4	22	-105.6
0	-13.6	71.5	5	-109.6
4865	-13.3	72.6	22	-112.8
0	-12.9	73.8	4	-116.0
4866	-12.6	74.9	22	-119.5
0	-13.2	76.2	4	-122.4
4867	-14.5	77.4	22	-126.1
0	-15.9	78.7	3	-129.6
4868	-16.4	80.0	22	-133.9
0	-15.5	81.4	2	-137.9
4869	-13.2	82.8	22	-141.8
0	-11.3	84.2	1	-144.8
4870	-10.7	85.7	22	-147.4
0	-11.9	87.2	0	-150.1
4871	-12.7	88.7	21	-153.0
0	-12.6	90.3	9	-156.0
4872	-10.7	91.9	21	-158.9
0	-8.8	93.5	8	-161.3
4873	-8.8	95.1	21	-162.9
0	-10.4	96.7	7	-165.0
4874	-11.8	98.4	21	-167.1
0	-11.0	100.1	6	-169.8
4875	-8.5	101.8	21	-172.2
0	-6.1	103.6	5	-173.8
4876	-6.6	105.3	21	-174.9
0	-8.8	107.1	4	-176.5
4877	-10.4	108.8	21	-178.1
0	-9.6	110.6	3	-179.9
4878	-6.8	112.5	21	-182.0
0	-4.7	114.3	1	-182.8
4879	-4.7	116.1	21	-183.4
0	-6.4	118.0	0	-184.2
4880	-7.7	119.8	20	-185.2
0	-7.3	121.7	9	-186.6
4881	-6.1	123.5	20	-187.9
0	-5.3	125.4	7	-188.7
4882			20	
0			6	
4883			20	
0			5	
4884			20	
0			3	
4885			20	

4909	-5.3	127.3	160	-189.2
0	-5.2	129.2	158	-190.0
4910	-5.3	131.1	156	-191.1
0	-5.7	133.0	154	-191.1
4911	-5.6	135.0	152	-191.9
0	-4.2	136.9	151	-192.7
4912	-2.8	138.8	149	-193.0
0	-2.6	140.7	147	-193.0
4913	-2.7	142.7	145	-192.7
0	-3.1	144.6	143	-192.7
4914	-3.0	146.5	141	-192.7
0	-2.8	148.4	139	-192.4
4915	-2.7	150.4	137	-192.4
0	-2.4	152.3	135	-192.4
4916	-2.0	154.2	133	-191.9
0	-2.0	156.1	131	-191.6
4917	-1.9	158.1	129	-191.4
0	-1.8	160.0	127	-191.4
4918	0.4	161.9	126	-190.3
0	5.6	163.8	124	-189.0
4919	7.3	165.6	122	-186.0
0	5.6	167.5	120	-182.8
4920	0.7	169.3	118	-180.7
0	-2.0	171.1	116	-180.2
4921	-2.0	172.9	115	-179.9
0	-1.1	174.7	113	-179.4
4922	0.7	176.5	111	-178.9
0	1.6	178.3	109	-177.3
4923	0.8	180.0	107	-175.9
0	-0.7	181.8	106	-175.4
4924	-2.6	183.5	104	-174.6
0	-2.3	185.3	102	-174.6
4925	-2.3	187.0	100	-174.9
0	-2.6	188.6	99	-151.7
4926	-3.4	190.2	97	-130.1
0	-21.6	191.5	96	-125.6
4927	-43.3	192.6	95	-120.3
0	-50.3	193.6	94	-95.3
4928	-40.1	194.4	93	-81.4
0	-19.0	195.1	92	-61.2
4929	1.4	195.7	92	-56.7
0	0.4	196.2	91	-43.6
4930	1.5	196.7	91	-41.5
0	5.0	197.0	90	-31.4
4931	5.4	197.4	90	-29.8
0	4.2	197.6	90	-28.2
4932	2.7	197.9	90	-22.3
0	3.4	198.1	89	-19.4
4933	5.8	198.2	89	-14.6
0	9.4	198.4	89	-13.5
4934	12.6	198.5	89	-9.3
0	14.4	198.5	89	-6.6
4935	14.1	198.6	89	-1.8
0	13.3	198.6	89	0.5
4936				
0				
4937				
0				
4938				
0				
4939				

4963	13.7	198.6	89	1.8
0	13.7	198.5	89	6.9
4964	13.6	198.4	89	9.5
0	13.3	198.3	89	11.9
4965	12.7	198.1	89	15.4
0	12.5	197.9	90	22.6
4966	12.6	197.7	90	26.6
0	13.6	197.4	90	30.0
4967	14.4	197.1	90	33.8
0	14.5	196.8	91	38.6
4968	14.1	196.4	91	42.8
0	13.7	196.0	91	42.5
4969	13.7	195.5	92	41.7
0	14.1	195.0	92	55.1
4970	15.1	194.5	93	58.8
0	16.0	193.9	94	63.6
4971	16.8	193.3	94	67.3
0	17.1	192.7	95	73.4
4972	16.8	192.0	95	71.3
0	16.5	191.2	96	68.1
4973	16.4	190.5	97	71.8
0	16.7	189.6	98	92.6
4974	16.7	188.7	99	97.1
0	16.7	187.8	100	101.9
4975	16.1	186.8	101	96.9
0	15.7	185.8	102	101.4
4976	14.6	184.8	103	105.4
0	14.9	183.7	104	109.4
4977	14.8	182.6	105	113.4
0	14.6	181.4	106	117.1
4978	13.7	180.2	107	121.1
0	12.9	179.0	108	124.5
4979	12.6	177.7	110	127.7
0	12.1	176.4	111	130.9
4980	11.3	175.1	112	133.9
0	10.0	173.7	114	136.5
4981	9.4	172.3	115	138.9
0	8.5	170.9	117	141.0
4982	8.7	169.5	118	142.9
0	9.9	168.1	119	144.8
4983	10.2	166.6	121	147.2
0	9.8	165.1	122	149.3
4984	8.9	163.6	124	151.4
0	7.9	162.1	125	153.6
4985	7.9	160.5	127	154.9
0	8.3	159.0	128	156.5
4986	7.9	157.4	130	158.4
0	7.3	155.8	132	159.7
4987	6.5	154.2	133	161.0
0	6.1	152.6	135	162.1
4988	6.4	150.9	137	163.4
0	6.5	149.3	138	164.5
4989	6.4	147.6	140	165.8
0	6.0	146.0	141	166.9
4990				
0				
4991				
0				
4992				
0				
4993				

5017	5.4	144.3	14	167.7
0	5.4	142.6	3	168.5
5018	5.8	140.9	14	169.3
0	5.6	139.2	5	170.3
5019	4.6	137.5	14	170.9
0	3.7	135.8	7	171.4
5020	3.7	134.1	14	171.9
0	4.7	132.3	8	172.2
5021	5.6	130.6	15	172.7
0	6.2	128.9	0	173.8
5022	5.7	127.1	15	174.6
0	4.3	125.4	2	175.4
5023	3.8	123.6	15	175.7
0	3.9	121.9	3	176.5
5024	4.2	120.1	15	176.5
0	4.7	118.3	5	177.0
5025	5.0	116.6	15	177.5
0	4.9	114.8	7	178.1
5026	3.9	113.0	15	178.9
0	3.3	111.2	9	178.6
5027	3.1	109.4	16	179.1
0	3.3	107.6	0	179.1
5028	3.8	105.8	16	179.4
0	3.5	104.0	2	179.7
5029	2.8	102.2	16	179.7
0	2.3	100.4	4	179.7
5030	2.2	98.6	16	179.7
0	2.2	96.8	6	179.1
5031	1.9	95.0	16	179.1
0	1.9	93.3	7	178.9
5032	1.9	91.5	16	178.6
0	1.9	89.7	9	178.3
5033	1.8	87.9	17	177.8
0	1.8	86.1	1	177.8
5034	1.1	84.4	17	177.5
0	-2.0	82.6	3	176.5
5035	-4.3	80.8	17	174.9
0	-3.4	79.1	4	172.7
5036	-1.1	77.4	17	170.9
0	-0.7	75.7	6	169.8
5037	-1.9	74.0	17	169.0
0	-4.3	72.3	8	167.1
5038	-6.1	70.7	18	164.7
0	-7.2	69.0	0	162.1
5039	-7.6	67.4	18	159.2
0	-5.6	66.0	2	149.8
5040	2.7	64.6	18	117.6
0	3.0	63.4	3	114.7
5041	10.2	62.3	18	110.4
0	17.5	61.5	5	88.3
5042	17.6	60.7	18	76.9
0	9.1	60.0	7	73.2
5043	1.6	59.4	18	57.2
0	0.0	58.9	9	44.7
5044			19	
0			1	
5045			19	
0			2	
5046			19	
0			4	
5047			19	

5071	0.3	58.4	22	43.1
0	-0.3	58.0	9	41.2
5072	-5.0	57.7	22	32.4
0	-13.4	57.4	9	27.1
5073	-18.0	57.2	23	24.2
0	-15.5	57.0	0	17.3
5074	-10.7	56.9	23	11.9
0	-6.9	56.7	0	11.7
5075	-8.8	56.7	23	8.5
0	-14.1	56.6	0	6.3
5076	-18.7	56.6	23	1.0
0	-21.2	56.6	0	-1.3
5077	-19.9	56.6	23	-6.9
0	-15.5	56.7	1	-11.7
5078	-12.1	56.9	23	-14.3
0	-13.0	57.1	1	-17.0
5079	-16.5	57.3	23	-25.2
0	-18.6	57.5	1	-27.1
5080	-17.4	57.8	23	-28.7
0	-14.0	58.2	1	-33.2
5081	-11.5	58.6	23	-44.4
0	-12.7	59.1	1	-47.9
5082	-16.1	59.5	23	-46.8
0	-19.1	60.0	1	-46.0
5083	-18.7	60.6	23	-62.0
0	-15.3	61.1	1	-61.2
5084	-12.2	61.8	23	-58.5
0	-11.0	62.4	1	-60.9
5085	-11.9	63.1	23	-63.6
0	-13.6	63.9	1	-81.4
5086	-14.1	64.7	23	-84.9
0	-13.7	65.5	0	-88.9
5087	-12.9	66.3	23	-92.9
0	-13.2	67.2	0	-96.3
5088	-15.2	68.1	23	-91.0
0	-17.2	69.0	0	-95.5
5089	-17.2	70.0	23	-99.5
0	-15.1	71.0	0	-104.3
5090	-13.2	72.1	22	-108.3
0	-12.2	73.2	9	-111.2
5091	-13.2	74.4	22	-114.7
0	-14.6	75.5	9	-117.9
5092	-15.6	76.7	22	-121.9
0	-15.1	78.0	8	-125.6
5093	-14.0	79.3	22	-129.6
0	-12.9	80.6	8	-133.1
5094	-12.1	82.0	22	-136.3
0	-11.9	83.3	7	-139.2
5095	-11.8	84.8	22	-141.8
0	-10.4	86.2	7	-144.5
5096	-9.8	87.7	22	-146.6
0	-9.4	89.1	6	-149.0
5097	-9.8	90.7	22	-151.2
0	-10.3	92.2	6	-153.3
5098			22	
0			5	
5099			22	
0			4	
5100			22	
0			4	
5101			22	

5125	-10.0	93.7	194	-155.7
0	-10.7	95.3	192	-157.6
5126	-11.1	96.9	191	-160.2
0	-10.7	98.5	189	-162.6
5127	-9.4	100.2	187	-164.7
0	-7.9	101.8	186	-167.1
5128	-7.1	103.5	184	-168.5
0	-7.5	105.2	182	-169.8
5129	-8.7	106.9	181	-171.7
0	-8.8	108.6	179	-173.0
5130	-7.5	110.4	177	-174.9
0	-5.4	112.1	175	-175.9
5131	-4.9	113.9	174	-176.2
0	-6.0	115.7	172	-177.3
5132	-7.1	117.5	170	-178.6
0	-6.6	119.3	168	-179.1
5133	-4.6	121.1	166	-180.4
0	-2.8	122.9	165	-181.0
5134	-2.6	124.7	163	-180.7
0	-3.1	126.5	161	-180.7
5135	-3.7	128.3	159	-180.7
0	-4.3	130.1	157	-181.0
5136	-5.3	131.9	156	-181.2
0	-6.2	133.7	154	-182.0
5137	-6.1	135.6	152	-183.1
0	-5.0	137.4	150	-183.9
5138	-3.9	139.2	148	-184.4
0	-3.9	141.1	146	-184.7
5139	-5.3	142.9	145	-185.0
0	-6.5	144.8	143	-185.8
5140	-5.8	146.7	141	-186.8
0	-4.3	148.5	139	-187.4
5141	-3.7	150.4	137	-187.9
0	-4.1	152.3	135	-187.9
5142	-4.6	154.2	133	-188.2
0	-4.6	156.1	131	-188.7
5143	-3.3	157.9	130	-189.0
0	-2.7	159.8	128	-189.0
5144	-2.8	161.7	126	-189.0
0	-2.6	163.6	124	-188.7
5145	-2.3	165.5	122	-189.0
0	-2.2	167.4	120	-188.7
5146	-2.0	169.3	118	-188.2
0	-1.9	171.2	116	-188.2
5147	-1.5	173.0	114	-187.6
0	3.3	174.9	113	-186.6
5148	9.1	176.8	111	-184.2
0	10.2	178.6	109	-180.4
5149	6.0	180.3	107	-176.7
0	1.2	182.1	105	-174.6
5150	-1.6	183.8	104	-173.5
0	0.1	185.6	102	-173.0
5151	5.2	187.3	100	-171.7
0	6.5	188.9	99	-176.7
5152				
0				
5153				
0				
5154				
0				
5155				

5179	-2.6	190.3	97	-138.4
0	-4.5	191.6	96	-131.5
5180	-17.9	192.6	95	-104.6
0	-33.0	193.6	94	-91.3
5181	-31.3	194.4	93	-86.7
0	-18.6	195.1	92	-67.3
5182	-0.4	195.7	92	-56.1
0	0.3	196.2	91	-47.9
5183	2.4	196.6	91	-45.2
0	7.3	197.0	90	-34.8
5184	9.2	197.3	90	-31.9
0	8.4	197.5	90	-25.0
5185	6.2	197.8	90	-22.0
0	5.8	198.0	89	-19.1
5186	8.1	198.1	89	-16.2
0	12.5	198.3	89	-14.6
5187	15.7	198.4	89	-9.3
0	17.2	198.5	89	-5.0
5188	16.1	198.5	89	0.5
0	16.3	198.5	89	0.5
5189	16.3	198.4	89	5.5
0	16.0	198.3	89	9.0
5190	16.0	198.2	89	15.9
0	16.1	198.0	89	21.0
5191	16.5	197.8	90	25.5
0	16.8	197.5	90	27.9
5192	17.1	197.2	90	32.7
0	17.1	196.9	91	33.5
5193	17.1	196.4	91	37.5
0	17.2	196.0	91	42.3
5194	17.4	195.5	92	46.5
0	17.5	195.0	92	50.3
5195	17.5	194.3	93	66.2
0	17.6	193.7	94	64.9
5196	17.6	193.0	94	62.2
0	17.4	192.3	95	67.0
5197	17.4	191.5	96	72.1
0	17.6	190.7	97	75.0
5198	17.9	189.8	98	79.0
0	18.6	188.9	99	83.3
5199	19.4	188.0	99	87.8
0	20.1	186.9	101	102.7
5200	19.9	185.8	102	108.3
0	18.3	184.7	103	113.4
5201	17.2	183.5	104	118.4
0	16.3	182.3	105	122.7
5202	15.6	181.1	106	126.9
0	15.3	179.8	108	131.5
5203	15.7	178.4	109	135.5
0	16.5	177.0	110	139.7
5204	15.7	175.6	112	143.7
0	14.4	174.1	113	147.4
5205	12.6	172.6	115	150.9
0	11.4	171.1	116	153.6
5206				
0				
5207				
0				
5208				
0				
5209				

5233	11.9	169.6	11	156.5
0	12.3	168.0	8	159.2
5234	11.8	166.4	11	162.1
0	10.6	164.7	9	164.7
5235	8.7	163.0	12	166.9
0	7.5	161.4	1	168.5
5236	7.7	159.7	12	170.1
0	8.5	158.0	3	171.7
5237	8.5	156.2	12	173.3
0	8.0	154.5	4	175.1
5238	6.9	152.7	12	176.7
0	6.1	150.9	6	177.8
5239	5.3	149.2	12	178.6
0	5.0	147.4	8	179.7
5240	5.3	145.6	12	180.2
0	5.7	143.7	9	181.0
5241	6.4	141.9	13	181.5
0	6.0	140.1	1	182.8
5242	5.0	138.3	13	183.6
0	4.2	136.4	3	184.2
5243	4.2	134.6	13	184.7
0	4.9	132.7	5	185.0
5244	5.3	130.9	13	185.5
0	5.0	129.0	7	186.3
5245	4.2	127.1	13	187.1
0	3.4	125.3	8	187.1
5246	3.4	123.4	14	187.4
0	3.9	121.5	0	187.6
5247	4.7	119.6	14	187.9
0	5.3	117.8	2	188.2
5248	5.0	115.9	14	189.2
0	4.2	114.0	4	189.8
5249	3.1	112.1	14	189.8
0	2.6	110.2	6	190.0
5250	2.4	108.3	14	189.8
0	2.4	106.4	7	189.8
5251	2.2	104.5	14	189.5
0	2.0	102.6	9	189.2
5252	2.0	100.7	15	188.7
0	2.0	98.8	1	188.4
5253	2.0	96.9	15	188.4
0	1.8	95.0	3	187.9
5254	1.8	93.2	15	187.9
0	0.5	91.3	5	187.1
5255	-2.7	89.4	15	186.0
0	-4.6	87.6	7	184.2
5256	-3.8	85.8	15	181.8
0	-1.9	84.0	8	180.2
5257	0.0	82.2	16	178.6
0	-0.1	80.4	0	177.8
5258	-1.9	78.6	16	176.5
0	-4.6	76.9	2	174.6
5259	-6.2	75.1	16	172.2
0	-6.0	73.4	4	170.1
5260			16	
0			6	
5261			16	
0			8	
5262			17	
0			0	
5263			17	

5287	-5.2	71.7	21	167.1
0	-5.7	70.1	6	164.7
5288	-8.4	68.5	21	161.5
0	-11.4	67.0	7	142.4
5289	-8.0	65.5	21	127.7
0	2.4	64.2	9	125.3
5290	3.3	63.1	22	98.5
0	9.9	62.1	0	96.1
5291	16.0	61.2	22	84.3
0	14.2	60.4	2	65.7
5292	6.0	59.8	22	63.3
0	-0.7	59.2	3	54.5
5293	0.0	58.7	22	47.3
0	-2.2	58.3	4	37.0
5294	-10.6	57.9	22	34.8
0	-17.5	57.6	5	31.6
5295	-18.3	57.4	22	23.1
0	-13.7	57.2	6	20.4
5296	-9.2	57.0	22	15.1
0	-7.2	56.9	7	13.3
5297	-9.4	56.8	22	10.6
0	-12.7	56.7	8	6.9
5298	-14.8	56.6	22	3.7
0	-16.1	56.6	8	-0.5
5299	-19.5	56.6	22	-2.1
0	-23.6	56.7	9	-8.2
5300	-24.5	56.8	22	-14.9
0	-21.7	57.0	9	-22.0
5301	-16.3	57.3	23	-28.7
0	-12.5	57.5	0	-30.0
5302	-11.9	57.9	23	-33.5
0	-14.2	58.2	0	-33.5
5303	-16.5	58.7	23	-44.9
0	-16.4	59.1	0	-49.7
5304	-14.8	59.6	23	-49.2
0	-13.4	60.1	0	-47.6
5305	-13.2	60.6	23	-51.1
0	-14.2	61.3	0	-66.2
5306	-14.6	61.8	23	-63.6
0	-14.0	62.5	1	-60.4
5307	-11.3	63.2	23	-63.8
0	-9.6	63.9	1	-66.5
5308	-10.4	64.7	23	-68.4
0	-13.2	65.5	1	-72.1
5309	-14.9	66.3	23	-74.2
0	-14.6	67.1	1	-77.4
5310	-12.7	68.1	23	-89.7
0	-11.5	69.0	1	-93.1
5311	-11.8	70.0	23	-96.1
0	-13.3	70.9	1	-98.7
5312	-14.6	72.0	23	-102.7
0	-14.5	73.0	1	-106.4
5313	-13.0	74.1	23	-109.9
0	-10.8	75.2	1	-113.4
5314			23	
0			0	
5315			23	
0			0	
5316			23	
0			0	
5317			23	

5341	-9.9	76.4	21	-115.8
0	-10.6	77.6	1	-118.4
5342	-11.9	78.8	21	-120.8
0	-12.5	80.0	0	-124.3
5343	-11.4	81.3	20	-126.7
0	-9.5	82.5	9	-129.9
5344	-8.5	83.9	20	-131.7
0	-9.1	85.2	7	-133.9
5345	-10.6	86.5	20	-136.0
0	-11.8	87.9	6	-138.7
5346	-11.7	89.3	20	-141.3
0	-10.2	90.8	5	-144.2
5347	-9.2	92.2	20	-146.1
0	-8.9	93.7	4	-148.5
5348	-10.4	95.2	20	-150.1
0	-11.3	96.7	2	-152.8
5349	-10.7	98.3	20	-155.2
0	-8.1	99.8	1	-157.6
5350	-5.8	101.4	20	-159.4
0	-5.3	103.0	0	-160.2
5351	-7.5	104.6	19	-161.3
0	-10.7	106.3	8	-162.6
5352	-11.9	107.9	19	-165.0
0	-10.0	109.6	7	-167.9
5353	-6.0	111.3	19	-169.5
0	-3.8	113.0	5	-170.3
5354	-4.5	114.7	19	-171.1
0	-6.8	116.4	4	-171.4
5355	-7.9	118.1	19	-172.7
0	-6.8	119.9	2	-174.1
5356	-4.3	121.6	19	-175.4
0	-3.1	123.4	1	-175.9
5357	-3.9	125.1	18	-176.2
0	-6.0	126.9	9	-176.2
5358	-7.2	128.7	18	-177.5
0	-6.4	130.4	8	-178.6
5359	-5.0	132.2	18	-179.4
0	-3.9	134.0	6	-179.9
5360	-3.1	135.8	18	-179.9
0	-3.0	137.6	4	-179.9
5361	-3.1	139.4	18	-180.2
0	-3.9	141.2	3	-180.2
5362	-5.2	143.0	18	-180.4
0	-5.7	144.9	1	-181.2
5363	-4.1	146.7	18	-181.8
0	-2.6	148.5	0	-181.8
5364	-2.3	150.3	17	-182.0
0	-2.3	152.1	8	-181.8
5365	-2.3	153.9	17	-181.5
0	-2.2	155.8	6	-181.2
5366	-2.0	157.6	17	-181.2
0	-2.0	159.4	4	-180.7
5367	-2.0	161.2	17	-180.4
0	-1.8	163.0	3	-180.4
5368			17	
0			1	
5369			16	
0			9	
5370			16	
0			8	
5371			16	

5395	0.0	164.8	123	-179.7
0	3.9	166.6	121	-178.3
5396	6.2	168.4	119	-176.2
0	4.6	170.1	117	-173.3
5397	1.8	171.8	116	-171.4
0	-0.4	173.5	114	-170.3
5398	-0.5	175.2	112	-169.5
0	1.9	176.9	111	-168.7
5399	5.0	178.6	109	-167.1
0	6.9	180.2	107	-164.5
5400	6.2	181.9	106	-161.5
0	2.8	183.5	104	-159.2
5401	-0.4	185.0	102	-157.8
0	0.0	186.6	101	-157.6
5402	2.8	188.1	99	-140.2
0	0.1	189.5	98	-122.1
5403	-2.8	190.7	97	-119.2
0	-5.7	191.9	96	-114.7
5404	-18.2	192.8	95	-92.1
0	-26.3	193.6	94	-81.4
5405	-22.0	194.4	93	-63.8
0	-8.9	195.0	92	-66.2
5406	0.9	195.5	92	-52.1
0	0.0	196.0	91	-40.9
5407	1.8	196.4	91	-39.9
0	6.5	196.8	91	-30.6
5408	8.9	197.1	90	-28.7
0	8.3	197.4	90	-27.4
5409	6.2	197.6	90	-22.0
0	5.3	197.8	90	-19.4
5410	6.4	198.0	89	-18.9
0	9.8	198.1	89	-14.6
5411	13.7	198.2	89	-11.1
0	15.9	198.3	89	-7.1
5412	16.3	198.3	89	-2.1
0	15.9	198.3	89	1.0
5413	16.7	198.3	89	2.9
0	16.8	198.3	89	7.1
5414	16.5	198.1	89	13.0
0	16.0	198.0	89	18.3
5415	15.6	197.8	90	20.7
0	15.7	197.6	90	25.0
5416	16.5	197.3	90	26.3
0	17.4	197.0	90	33.8
5417	17.9	196.6	91	42.3
0	17.9	196.1	91	47.6
5418	17.2	195.7	92	47.9
0	16.4	195.2	92	47.3
5419	16.4	194.6	93	62.8
0	16.8	194.0	93	61.4
5420	17.6	193.4	94	59.1
0	18.2	192.7	95	63.8
5421	17.8	191.9	96	82.7
0	17.0	191.2	96	79.8
5422				
0				
5423				
0				
5424				
0				
5425				

5449	16.1	190.3	97	75.6
0	16.3	189.5	98	79.6
5450	16.5	188.5	99	83.3
0	17.2	187.6	100	87.0
5451	17.2	186.5	101	101.1
0	16.5	185.5	102	105.6
5452	14.8	184.4	103	110.2
0	14.4	183.3	104	113.9
5453	14.2	182.1	105	117.6
0	14.4	180.9	107	121.1
5454	14.5	179.7	108	125.1
0	14.9	178.4	109	128.8
5455	15.1	177.1	110	132.5
0	13.8	175.7	112	136.3
5456	12.3	174.3	113	139.5
0	11.5	172.9	115	142.6
5457	10.8	171.5	116	145.3
0	10.6	170.0	117	147.7
5458	12.1	168.5	119	150.4
0	11.9	167.0	120	153.3
5459	11.0	165.4	122	156.0
0	9.9	163.8	124	158.4
5460	8.8	162.2	125	160.7
0	9.1	160.6	127	162.6
5461	9.8	159.0	128	164.5
0	10.2	157.3	130	166.9
5462	10.0	155.6	132	169.0
0	9.5	153.9	134	171.1
5463	8.9	152.2	135	172.7
0	8.5	150.4	137	174.6
5464	8.0	148.7	139	176.5
0	7.6	146.9	141	178.1
5465	6.9	145.1	142	179.4
0	6.4	143.3	144	180.4
5466	6.6	141.5	146	181.5
0	6.6	139.7	148	182.8
5467	6.2	137.8	150	183.6
0	5.6	136.0	151	184.7
5468	5.6	134.1	153	185.5
0	5.8	132.3	155	186.0
5469	5.6	130.4	157	187.1
0	5.3	128.5	159	187.6
5470	4.2	126.7	161	188.4
0	3.3	124.8	163	188.7
5471	3.0	122.9	165	188.4
0	2.7	121.0	166	188.7
5472	2.4	119.1	168	188.7
0	2.3	117.2	170	188.4
5473	2.2	115.3	172	188.2
0	2.0	113.5	174	188.2
5474	1.9	111.6	176	187.6
0	1.8	109.7	178	187.1
5475	1.8	107.8	180	186.8
0	1.6	106.0	181	186.8
5476				
0				
5477				
0				
5478				
0				
5479				

5503	-0.5	104.1	18	186.0
0	-5.0	102.3	3	184.4
5504	-5.3	100.4	18	182.0
0	-1.9	98.6	5	179.9
5505	1.9	96.8	18	179.1
0	2.0	95.0	7	178.9
5506	1.2	93.3	18	178.3
0	-0.4	91.5	9	177.8
5507	-2.3	89.7	19	176.7
0	-1.9	88.0	1	174.9
5508	-0.3	86.2	19	173.8
0	0.7	84.5	2	173.0
5509	0.0	82.8	19	172.2
0	-0.8	81.0	4	171.4
5510	-2.0	79.3	19	170.1
0	-3.1	77.6	6	168.5
5511	-3.7	76.0	19	166.9
0	-3.5	74.3	8	165.0
5512	-3.1	72.7	19	163.1
0	-3.3	71.1	9	161.5
5513	-4.9	69.4	20	160.0
0	-7.3	67.9	1	157.3
5514	-7.9	66.4	20	136.5
0	0.1	65.0	3	146.9
5515	2.8	63.8	20	118.4
0	9.6	62.7	5	113.6
5516	20.2	61.8	20	91.5
0	24.8	60.9	6	80.3
5517	17.0	60.2	20	62.5
0	7.2	59.6	8	60.1
5518	-0.3	59.1	21	51.9
0	0.4	58.6	0	45.2
5519	0.0	58.2	21	35.4
0	-1.2	57.8	1	34.3
5520	-9.1	57.5	21	29.2
0	-15.3	57.3	3	21.8
5521	-15.1	57.0	21	21.8
0	-10.7	56.9	5	16.2
5522	-7.5	56.7	21	12.2
0	-8.3	56.6	6	11.4
5523	-12.2	56.5	21	7.9
0	-14.6	56.5	8	5.0
5524	-14.6	56.4	22	0.5
0	-14.6	56.5	0	-0.7
5525	-15.6	56.5	22	-4.2
0	-16.0	56.6	1	-7.4
5526	-15.2	56.7	22	-11.4
0	-13.0	56.8	2	-15.1
5527	-10.7	57.0	22	-18.1
0	-9.6	57.3	4	-22.8
5528	-9.9	57.5	22	-28.2
0	-11.1	57.8	5	-28.4
5529	-12.1	58.1	22	-28.4
0	-12.5	58.4	6	-38.0
5530			22	
0			7	
5531			22	
0			7	
5532			22	
0			8	
5533			22	

5557	-12.5	58.8	22	-41.7
0	-12.6	59.2	9	-45.2
5558	-12.7	59.6	22	-44.4
0	-12.3	60.1	8	-43.1
5559	-11.3	60.6	22	-46.0
0	-10.2	61.2	8	-59.3
5560	-10.3	61.7	22	-56.7
0	-10.8	62.3	7	-52.9
5561	-11.8	62.9	22	-68.1
0	-12.2	63.6	7	-70.5
5562	-12.7	64.2	22	-75.0
0	-13.7	64.9	6	-78.5
5563	-14.4	65.7	22	-82.2
0	-14.8	66.5	6	-86.7
5564	-14.4	67.3	22	-90.5
0	-14.1	68.1	5	-85.9
5565	-13.8	69.0	22	-90.2
0	-13.6	69.9	5	-93.7
5566	-13.4	70.9	22	-97.1
0	-13.4	71.9	4	-100.8
5567	-13.2	72.9	22	-104.0
0	-12.7	74.0	3	-107.5
5568	-12.3	75.1	22	-111.0
0	-12.2	76.2	3	-113.6
5569	-12.1	77.4	22	-116.8
0	-11.9	78.6	2	-119.8
5570	-11.5	79.8	22	-122.9
0	-10.7	81.1	1	-125.3
5571	-9.9	82.3	22	-128.0
0	-9.8	83.6	0	-130.4
5572	-10.8	85.0	21	-132.8
0	-12.6	86.3	9	-135.2
5573	-13.7	87.7	21	-138.4
0	-13.7	89.1	8	-141.8
5574	-12.7	90.5	21	-145.3
0	-11.0	92.0	8	-148.0
5575	-10.7	93.5	21	-150.9
0	-11.1	95.0	7	-153.0
5576	-12.2	96.6	21	-156.0
0	-12.5	98.2	6	-158.6
5577	-10.4	99.8	21	-161.3
0	-8.4	101.4	5	-163.9
5578	-8.0	103.1	21	-165.3
0	-9.8	104.7	3	-167.1
5579	-12.3	106.4	21	-169.0
0	-13.8	108.1	2	-171.9
5580	-12.2	109.9	21	-175.4
0	-9.2	111.6	1	-177.8
5581	-7.5	113.4	21	-179.4
0	-8.7	115.2	0	-181.2
5582	-11.3	117.1	20	-182.8
0	-12.3	118.9	9	-185.2
5583	-11.1	120.8	20	-187.9
0	-8.8	122.7	8	-190.3
5584			20	
0			6	
5585			20	
0			5	
5586			20	
0			4	
5587			20	

5611	-8.0	124.6	163	-191.6
0	-9.4	126.5	161	-193.2
5612	-11.3	128.5	159	-195.1
0	-11.8	130.4	157	-197.5
5613	-11.0	132.4	155	-199.9
0	-9.6	134.4	153	-202.3
5614	-7.7	136.5	151	-204.1
0	-6.5	138.5	149	-205.2
5615	-6.5	140.6	147	-206.0
0	-7.9	142.7	145	-207.3
5616	-8.8	144.7	143	-208.4
0	-7.7	146.8	141	-210.0
5617	-5.3	148.9	139	-211.1
0	-4.2	151.1	136	-211.6
5618	-3.8	153.2	134	-211.9
0	-3.3	155.3	132	-212.1
5619	-2.6	157.4	130	-211.9
0	-2.4	159.5	128	-211.6
5620	-2.4	161.7	126	-211.3
0	-2.3	163.8	124	-210.8
5621	-2.3	165.9	122	-210.8
0	-2.2	168.0	119	-210.5
5622	-1.9	170.1	117	-210.0
0	0.9	172.2	115	-209.2
5623	6.0	174.3	113	-207.6
0	7.9	176.3	111	-204.4
5624	6.0	178.3	109	-200.7
0	3.5	180.3	107	-198.0
5625	2.0	182.3	105	-196.2
0	2.2	184.2	103	-195.1
5626	4.7	186.2	101	-193.0
0	8.8	188.1	99	-189.0
5627	1.8	189.7	98	-166.1
0	-3.8	191.3	96	-154.9
5628	-20.1	192.5	95	-121.1
0	-41.1	193.5	94	-103.8
5629	-45.7	194.5	93	-97.1
0	-31.9	195.2	92	-74.0
5630	-8.5	195.9	92	-65.7
0	0.3	196.4	91	-50.3
5631	0.9	196.8	91	-38.0
0	6.8	197.2	90	-38.6
5632	9.2	197.5	90	-29.0
0	6.9	197.8	90	-24.4
5633	4.6	198.0	89	-21.0
0	3.9	198.2	89	-16.2
5634	6.5	198.3	89	-14.9
0	11.5	198.5	89	-10.9
5635	15.6	198.6	89	-6.9
0	16.8	198.6	89	-3.1
5636	16.0	198.6	89	1.0
0	16.0	198.6	89	2.3
5637	15.5	198.5	89	6.1
0	15.5	198.4	89	12.2
5638				
0				
5639				
0				
5640				
0				
5641				

5665	16.1	198.3	8	14.9
0	17.0	198.1	9	18.1
5666	17.4	197.9	8	22.0
0	16.3	197.6	9	26.3
5667	14.5	197.2	9	37.0
0	13.6	196.9	0	37.2
5668	14.4	196.5	9	37.0
0	16.3	196.1	0	40.4
5669	17.9	195.5	9	54.3
0			0	
5670			9	
0			1	
5671			9	
0			1	
5672			9	
0			1	
5673			9	
0			2	



UNIVERSIDADE
ESTADUAL DE LONDRINA

ISOK_EXERC_DIAG_300_R_SIDE
27/07
Set #2

TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	1.1	198.9	89	0.5
10	1.8	198.9	89	0.7
20	1.9	198.9	89	1.0
30	1.8	198.9	89	1.8
40	1.5	198.8	89	2.1
50	2.0	198.8	89	2.6
60	10.2	198.8	89	4.2
70	20.5	198.7	89	7.7
80	23.7	198.6	89	13.0
90	18.0	198.5	89	17.5
100	8.8	198.3	89	19.9
110	2.4	198.0	89	26.8
120	4.3	197.8	90	27.6
130	12.6	197.5	90	29.2
140	20.7	197.2	90	30.3
150	23.1	196.9	91	32.2
160	17.8	196.4	91	46.0
170	9.9	196.0	91	46.0
180	5.2	195.5	92	43.9
190	7.2	195.0	92	55.3
200	14.5	194.5	93	52.1
210	22.1	194.0	93	56.4
220	24.1	193.4	94	55.9
230	19.1	192.7	95	75.3
240	11.8	192.0	95	73.2
250	7.1	191.2	96	68.4
260	8.8	190.4	97	71.0
270	15.7	189.6	98	72.4
280	22.6	188.8	99	76.1
290	24.8	187.9	100	81.4
300	20.5	186.9	101	96.9
310	14.4	185.9	102	102.2
320	10.4	184.9	103	105.6
330	13.2	183.8	104	108.8
340	17.9	182.7	105	112.3
350	22.9	181.5	106	117.4
360	22.4	180.3	107	123.5
370	18.3	179.0	108	129.3
380	14.1	177.7	110	134.1
390	13.0	176.3	111	137.6
400	15.1	174.9	113	140.8
410	18.6	173.5	114	144.8
420	20.1	172.0	115	149.8
430	17.9	170.5	117	154.6
440	14.1	168.9	119	158.9
450	11.1	167.3	120	162.3
460	10.4	165.6	122	165.0
470	12.6	164.0	123	167.4
480	14.6	162.3	125	170.3

490	14.9	160.5	12	173.8
500	12.5	158.8	7	177.5
510	8.7	157.0	12	179.9
520	6.4	155.1	9	181.8
530	6.8	153.3	13	182.8
540	9.6	151.5	0	184.2
550	11.8	149.6	13	185.5
560	11.3	147.8	2	188.7
570	8.5	145.9	13	190.8
580	5.4	143.9	4	192.2
590	4.7	142.0	13	192.7
600	6.1	140.1	6	193.5
610	7.1	138.1	13	194.3
620	6.8	136.2	8	195.4
630	5.0	134.2	14	196.7
640	3.1	132.2	0	197.0
650	2.3	130.3	14	197.0
660	2.3	128.3	2	197.0
670	2.3	126.3	14	196.7
680	2.4	124.4	4	196.4
690	2.4	122.4	14	196.2
700	2.2	120.5	5	195.6
710	2.2	118.5	14	195.6
720	2.0	116.5	7	195.6
730	1.9	114.6	14	194.8
740	1.8	112.6	9	194.8
750	1.1	110.7	15	194.0
760	-3.3	108.8	1	193.2
770	-6.4	106.8	15	190.8
780	-5.6	104.9	3	188.4
790	-2.3	103.1	15	186.0
800	0.3	101.2	5	184.7
810	0.8	99.4	15	183.9
820	-0.3	97.6	7	183.4
830	-3.1	95.7	15	182.0
840	-4.5	93.9	9	180.2
850	-3.9	92.1	16	178.3
860	-1.9	90.4	1	175.9
870	-0.8	88.6	16	174.9
880	-2.3	86.9	3	173.5
890	-5.7	85.2	16	171.9
900	-8.1	83.5	5	169.0
910	-7.2	81.8	16	166.3
920	-4.2	80.1	7	163.4
930	-1.8	78.5	16	161.8
940	-1.9	76.9	9	160.2
950	-4.2	75.3	17	158.6
960	-5.7	73.7	1	156.8
970	-6.1	72.2	17	153.8
980	-5.4	70.7	3	151.2
990	-5.6	69.2	17	149.0
1000	-6.6	67.7	5	146.4
1010	-7.1	66.4	17	126.1
1020	0.3	65.1	7	111.8

17

9

18

1

18

3

12

103	2.3	63.9	22	110.7
0	8.7	62.9	4	107.5
104	18.7	62.0	22	87.3
0	23.3	61.2	5	77.4
105	16.8	60.5	22	67.6
0	8.1	59.9	5	59.3
106	0.0	59.4	22	51.6
0	0.3	58.9	6	45.5
107	0.1	58.5	22	35.9
0	-0.5	58.1	7	35.1
108	-7.7	57.8	22	30.3
0	-14.8	57.5	8	22.8
109	-16.5	57.3	22	21.0
0	-12.2	57.1	8	15.4
110	-8.5	57.0	22	13.0
0	-8.7	56.9	9	13.0
111	-12.9	56.8	22	8.7
0	-17.6	56.7	9	5.0
112	-19.5	56.7	22	-0.2
0	-20.3	56.7	9	-2.3
113	-18.8	56.8	23	-9.0
0	-16.5	56.9	0	-14.1
114	-14.9	57.1	23	-18.9
0	-14.2	57.3	0	-23.4
115	-14.1	57.5	23	-27.4
0	-14.0	57.8	0	-31.9
116	-13.8	58.1	23	-36.2
0	-14.4	58.5	0	-36.4
117	-16.0	58.8	23	-36.4
0	-18.2	59.3	0	-49.2
118	-19.4	59.8	23	-49.5
0	-19.3	60.3	1	-49.2
119	-17.9	60.9	23	-65.7
0	-16.4	61.6	1	-71.3
120	-15.9	62.2	23	-75.6
0	-16.1	63.0	1	-80.3
121	-16.0	63.7	23	-77.4
0	-16.4	64.5	1	-73.2
122	-17.1	65.3	23	-76.9
0	-17.2	66.2	1	-81.1
123	-16.8	67.1	23	-85.1
0	-16.0	68.2	1	-98.7
124	-15.1	69.2	23	-103.2
0	-13.7	70.3	1	-107.0
125	-12.9	71.3	23	-110.4
0	-12.3	72.5	0	-113.6
126	-11.7	73.6	23	-116.3
0	-11.0	74.8	0	-119.8
127	-10.3	76.0	23	-122.1
0	-9.8	77.3	0	-124.8
128	-9.4	78.5	23	-126.9
0	-9.1	79.8	0	-129.3
129	-8.5	81.1	22	-130.9
0	-7.6	82.5	9	-133.1
130			22	
0			9	
131			22	
0			9	
132			22	
0			8	
133			22	

157	-7.1	83.8	20	-134.4
0	-6.8	85.2	4	-136.0
158	-6.9	86.5	20	-137.1
0	-7.6	87.9	2	-138.7
159	-7.7	89.3	20	-140.0
0	-7.1	90.7	1	-141.8
160	-6.9	92.1	20	-142.9
0	-5.8	93.6	0	-144.5
161	-6.2	95.0	19	-145.3
0	-5.8	96.5	8	-146.6
162	-6.1	98.0	19	-147.4
0	-4.6	99.5	7	-148.8
163	-3.5	101.0	19	-149.3
0	-3.3	102.5	5	-149.6
164	-3.5	104.0	19	-149.8
0	-5.0	105.5	4	-150.1
165	-6.9	107.0	19	-151.2
0	-7.9	108.5	2	-152.2
166	-6.8	110.0	19	-153.8
0	-5.7	111.6	1	-154.9
167	-4.7	113.1	18	-155.7
0	-5.3	114.7	9	-156.5
168	-6.8	116.3	18	-157.3
0	-7.3	117.8	8	-158.9
169	-7.2	119.4	18	-160.0
0	-6.2	121.1	6	-161.5
170	-6.2	122.7	18	-162.9
0	-7.5	124.3	5	-163.4
171	-9.5	126.0	18	-165.3
0	-9.9	127.6	3	-167.1
172	-8.8	129.3	18	-169.5
0	-7.1	131.0	2	-171.1
173	-6.6	132.7	18	-172.2
0	-7.5	134.5	0	-173.8
174	-8.0	136.2	17	-175.1
0	-8.0	138.0	9	-176.5
175	-7.6	139.8	17	-178.1
0	-7.5	141.6	7	-179.7
176	-8.0	143.4	17	-181.0
0	-8.5	145.2	6	-182.3
177	-7.2	147.0	17	-184.2
0	-6.0	148.9	4	-185.0
178	-5.4	150.7	17	-186.0
0	-5.4	152.6	3	-187.1
179	-5.2	154.5	17	-187.6
0	-4.5	156.4	1	-187.9
180	-3.0	158.2	17	-188.4
0	-3.1	160.1	0	-188.4
181	-3.8	162.0	16	-188.2
0	-4.1	163.9	8	-188.7
182	-3.9	165.8	16	-189.0
0	-2.8	167.7	6	-188.7
183	-2.4	169.6	16	-189.0
0	-2.3	171.5	5	-189.0
184			16	
0			3	
185			16	
0			1	
186			16	
0			0	
187			15	

211	-2.0	173.3	114	-188.7
0	-1.9	175.2	112	-188.2
212	-1.9	177.1	110	-187.6
0	-1.1	179.0	108	-187.6
213	4.5	180.8	107	-186.3
0	9.9	182.7	105	-183.4
214	9.8	184.5	103	-179.9
0	6.0	186.3	101	-176.2
215	0.5	188.0	99	-171.4
0	-2.8	189.5	98	-154.4
216	-8.4	190.9	97	-119.0
0	-27.3	192.1	95	-115.0
217	-38.1	193.1	94	-100.0
0	-36.3	194.0	93	-77.4
218	-23.7	194.8	93	-73.4
0	-4.7	195.5	92	-55.1
219	0.7	196.0	91	-51.3
0	-0.3	196.5	91	-39.9
220	0.9	196.9	91	-38.3
0	3.3	197.2	90	-29.2
221	6.4	197.5	90	-27.1
0	8.7	197.7	90	-20.4
222	10.0	197.9	90	-21.0
0	11.1	198.1	89	-16.2
223	12.2	198.2	89	-11.4
0	13.7	198.3	89	-9.3
224	15.2	198.4	89	-4.7
0	16.5	198.4	89	-0.5
225	20.6	198.4	89	0.5
0	23.3	198.4	89	7.4
226	23.5	198.2	89	13.5
0	21.6	198.1	89	21.0
227	19.8	197.8	90	24.4
0	19.1	197.6	90	27.1
228	20.3	197.2	90	31.6
0	22.4	196.8	91	44.9
229	23.5	196.3	91	51.9
0	22.9	195.8	92	58.8
230	21.2	195.3	92	59.3
0	19.1	194.6	93	65.2
231	18.8	193.9	94	77.2
0	20.9	193.2	94	82.7
232	22.9	192.4	95	88.9
0	23.5	191.5	96	94.7
233	21.8	190.6	97	102.4
0	19.4	189.7	98	88.9
234	17.6	188.7	99	94.5
0	18.3	187.6	100	96.9
235	21.0	186.4	101	112.8
0	23.1	185.2	102	118.7
236	23.5	184.0	103	124.8
0	22.0	182.7	105	131.2
237	19.7	181.4	106	136.8
0	17.8	180.0	107	141.8
238				
0				
239				
0				
240				
0				
241				

265	18.0	178.5	10	146.9
0	19.8	177.0	9	151.4
266	20.7	175.4	11	156.5
0	20.1	173.8	0	161.5
267	17.6	172.2	11	166.3
0	14.5	170.5	2	171.1
268	13.6	168.7	11	174.6
0	14.4	167.0	4	177.8
269	15.6	165.2	11	181.2
0	15.7	163.3	5	185.0
270	13.7	161.5	11	188.4
0	11.1	159.5	7	191.6
271	8.9	157.6	11	193.8
0	7.7	155.7	9	195.9
272	8.0	153.7	12	197.0
0	8.9	151.7	0	198.6
273	8.9	149.7	12	200.4
0	7.1	147.7	2	202.0
274	4.2	145.7	12	203.1
0	2.6	143.6	4	203.3
275	2.8	141.6	12	203.1
0	3.8	139.6	6	202.8
276	5.2	137.5	12	203.3
0	5.6	135.5	8	203.9
277	4.9	133.5	13	204.4
0	3.1	131.4	0	204.9
278	2.2	129.4	13	205.2
0	2.0	127.3	2	204.7
279	2.2	125.3	13	204.1
0	2.2	123.2	4	203.9
280	2.0	121.2	13	203.6
0	1.9	119.2	6	203.3
281	1.6	117.1	13	202.8
0	-1.2	115.1	8	202.0
282	-5.7	113.1	14	200.1
0	-6.9	111.1	0	197.2
283	-4.1	109.2	14	194.6
0	0.5	107.2	2	193.0
284	2.0	105.3	14	192.4
0	0.1	103.4	4	191.9
285	-3.1	101.5	14	190.8
0	-5.3	99.6	6	188.4
286	-4.2	97.7	14	185.8
0	-1.6	95.9	8	184.4
287	-0.7	94.0	15	182.8
0	-2.4	92.2	0	181.8
288	-5.2	90.4	15	179.7
0	-6.8	88.6	2	177.0
289	-7.1	86.9	15	174.3
0	-6.5	85.2	4	171.7
290	-6.0	83.5	15	168.7
0	-5.7	81.8	6	166.3
291	-6.1	80.1	15	163.9
0	-7.2	78.5	8	161.0
292			16	
0			0	
293			16	
0			2	
294			16	
0			4	
295			16	

319	-8.5	76.9	21	158.1
0	-9.5	75.4	1	154.6
320	-9.4	73.9	21	151.2
0	-9.1	72.4	2	147.4
321	-9.1	70.9	21	144.2
0	-10.6	69.5	4	140.5
322	-12.3	68.1	21	136.5
0	-13.6	66.9	5	118.4
323	-9.2	65.6	21	107.0
0	-1.4	64.5	7	107.2
324	1.8	63.6	21	86.7
0	1.2	62.7	8	86.2
325	1.1	61.8	21	84.3
0	0.7	61.2	9	68.6
326	0.0	60.5	22	60.9
0	-3.7	60.0	1	48.7
327	-14.2	59.5	22	47.3
0	-20.1	59.1	2	40.7
328	-21.0	58.7	22	30.8
0	-19.0	58.4	3	31.4
329	-17.4	58.2	22	23.4
0	-17.8	58.0	4	16.7
330	-19.4	57.8	22	13.0
0	-20.2	57.7	5	6.9
331	-18.6	57.7	22	1.8
0	-17.4	57.7	6	-0.5
332	-18.7	57.7	22	-4.2
0	-20.7	57.8	6	-9.0
333	-22.8	57.9	22	-14.9
0	-24.0	58.1	7	-21.0
334	-23.1	58.4	22	-30.3
0	-20.5	58.7	7	-37.0
335	-17.6	59.1	22	-43.1
0	-16.0	59.5	8	-48.1
336	-16.1	60.0	22	-48.1
0	-17.8	60.5	8	-47.3
337	-19.4	61.1	22	-63.0
0	-20.7	61.7	9	-62.0
338	-20.9	62.3	22	-60.6
0	-20.7	63.0	9	-65.7
339	-19.8	63.8	22	-70.8
0	-18.7	64.6	9	-75.3
340	-17.6	65.5	22	-79.6
0	-16.4	66.4	9	-83.8
341	-15.9	67.4	23	-97.4
0	-16.0	68.4	0	-101.4
342	-17.0	69.5	23	-105.9
0	-17.8	70.6	0	-110.2
343	-18.2	71.7	23	-115.2
0	-17.6	72.9	0	-119.5
344	-16.7	74.1	23	-124.3
0	-15.7	75.4	0	-128.5
345	-15.1	76.7	23	-132.3
0	-15.1	78.1	0	-136.5
346			23	
0			0	
347			23	
0			0	
348			22	
0			9	
349			22	

373	-14.9	79.5	20	-140.2
0	-14.0	80.9	8	-143.4
374	-12.6	82.4	20	-147.2
0	-11.8	83.9	7	-150.1
375	-12.3	85.4	20	-153.0
0	-14.4	86.9	5	-155.7
376	-15.9	88.5	20	-159.7
0	-15.9	90.1	4	-163.4
377	-13.4	91.8	20	-167.1
0	-10.6	93.5	2	-170.3
378	-9.8	95.2	20	-172.2
0	-10.7	97.0	1	-174.6
379	-11.9	98.7	19	-177.3
0	-11.1	100.5	9	-179.7
380	-9.1	102.3	19	-182.3
0	-7.2	104.2	7	-183.9
381	-7.3	106.0	19	-185.2
0	-9.6	107.9	6	-186.8
382	-10.6	109.8	19	-188.7
0	-9.5	111.7	4	-190.8
383	-7.1	113.6	19	-192.7
0	-5.6	115.5	2	-194.0
384	-5.2	117.5	19	-194.6
0	-5.3	119.4	0	-195.1
385	-5.4	121.4	18	-195.6
0	-5.7	123.4	9	-196.4
386	-5.4	125.3	18	-197.5
0	-4.7	127.3	7	-197.8
387	-3.5	129.3	18	-198.0
0	-3.0	131.3	5	-198.3
388	-3.3	133.2	18	-198.3
0	-3.9	135.2	3	-198.0
389	-3.8	137.2	18	-198.6
0	-3.1	139.2	1	-198.8
390	-2.8	141.2	18	-198.6
0	-2.6	143.2	0	-198.6
391	-2.6	145.2	17	-198.3
0	-2.3	147.1	8	-198.3
392	-2.3	149.1	17	-197.8
0	-2.3	151.1	6	-197.5
393	-2.2	153.1	17	-197.2
0	-2.2	155.0	4	-197.2
394	-2.0	157.0	17	-196.7
0	-1.9	159.0	2	-196.2
395	-0.8	160.9	17	-195.9
0	3.1	162.9	0	-194.8
396	6.6	164.8	16	-192.4
0	6.2	166.7	8	-189.2
397	3.4	168.6	16	-186.8
0	0.8	170.4	6	-185.2
398	0.9	172.3	16	-183.9
0	2.8	174.1	4	-182.6
399	6.0	175.9	16	-180.4
0	8.1	177.7	2	-177.3
400			16	
0			0	
401			15	
0			8	
402			15	
0			6	
403			15	

427	8.4	179.5	108	-174.1
0	8.0	181.2	106	-170.9
428	6.4	182.9	105	-167.7
0	5.8	184.5	103	-165.3
429	7.2	186.2	101	-162.6
0	9.5	187.7	100	-143.4
430	5.7	189.2	98	-128.3
0	-2.8	190.5	97	-137.1
431	-3.5	191.6	96	-98.2
0	-13.0	192.6	95	-95.8
432	-22.1	193.5	94	-92.6
0	-20.2	194.2	93	-66.0
433	-9.4	194.9	93	-69.4
0	1.4	195.4	92	-54.0
434	0.5	196.0	91	-51.6
0	6.8	196.4	91	-40.7
435	16.4	196.7	91	-37.5
0	19.4	197.0	90	-27.9
436	18.3	197.2	90	-19.9
0	13.4	197.4	90	-17.0
437	10.6	197.6	90	-12.5
0	12.2	197.7	90	-10.6
438	17.4	197.8	90	-6.1
0	22.9	197.8	90	-0.7
439	27.0	197.8	90	1.5
0	27.1	197.7	90	7.9
440	22.6	197.6	90	15.4
0	17.4	197.4	90	19.7
441	15.9	197.1	90	23.6
0	18.8	196.8	91	28.4
442	23.6	196.5	91	32.7
0	25.9	196.1	91	38.6
443	23.9	195.6	92	44.7
0	18.4	195.0	92	61.7
444	14.5	194.4	93	60.9
0	14.0	193.8	94	58.5
445	17.6	193.1	94	61.7
0	22.4	192.4	95	66.0
446	24.7	191.6	96	71.6
0	22.6	190.8	97	77.4
447	18.0	189.8	98	100.6
0	15.1	188.9	99	105.4
448	15.7	187.9	100	110.2
0	18.4	186.9	101	104.0
449	22.4	185.8	102	109.4
0	23.1	184.6	103	115.5
450	21.3	183.4	104	121.9
0	18.6	182.2	105	127.5
451	17.0	180.9	107	132.0
0	17.4	179.5	108	136.8
452	19.8	178.1	109	141.6
0	22.0	176.6	111	146.6
453	21.4	175.1	112	152.5
0	18.4	173.6	114	157.8
454				
0				
455				
0				
456				
0				
457				

481	15.1	172.0	11	162.3
0	12.9	170.3	5	166.1
482	14.1	168.6	11	169.3
0	16.5	166.9	7	172.7
483	17.5	165.1	11	177.0
0	16.0	163.3	9	181.0
484	12.5	161.5	12	184.7
0	9.9	159.6	1	187.6
485	8.9	157.7	12	189.5
0	9.4	155.8	2	191.4
486	10.7	153.9	12	193.0
0	11.5	152.0	4	195.4
487	10.7	150.0	12	197.8
0	8.4	148.0	6	200.1
488	5.7	146.0	12	201.5
0	4.7	143.9	8	202.3
489	5.7	141.9	13	202.5
0	7.1	139.9	0	203.3
490	7.1	137.8	13	204.4
0	5.2	135.8	2	205.5
491	3.3	133.7	13	206.3
0	2.4	131.7	4	206.3
492	2.6	129.6	13	206.3
0	3.0	127.5	5	205.7
493	3.0	125.5	13	205.5
0	3.0	123.4	7	205.7
494	2.4	121.4	13	205.5
0	2.2	119.3	9	205.2
495	2.2	117.3	14	204.9
0	2.0	115.2	1	204.7
496	2.0	113.2	14	204.1
0	1.9	111.1	4	203.6
497	1.6	109.1	14	203.3
0	-0.1	107.1	6	203.1
498	-4.2	105.1	14	201.2
0	-5.7	103.1	8	198.8
499	-3.9	101.1	15	196.4
0	-0.3	99.1	0	194.8
500	1.5	97.2	15	194.0
0	0.1	95.3	2	193.5
501	-2.7	93.3	15	191.9
0	-5.2	91.4	4	190.3
502	-4.1	89.5	15	187.6
0	-1.5	87.7	6	186.0
503	-0.4	85.8	15	184.7
0	-1.9	84.0	8	183.6
504	-4.6	82.2	16	181.5
0	-6.6	80.4	0	179.1
505	-6.8	78.6	16	175.9
0	-6.4	76.9	2	173.0
506	-6.5	75.1	16	170.6
0	-7.3	73.5	4	167.7
507	-8.3	71.8	16	164.5
0	-9.5	70.2	6	161.0
508			16	
0			8	
509			17	
0			0	
510			17	
0			2	
511			17	

535	-11.0	68.6	21	157.3
0	-12.5	67.1	9	152.8
536	-9.1	65.7	22	139.5
0	-0.4	64.4	0	110.4
537	2.0	63.3	22	108.8
0	1.8	62.3	2	104.3
538	5.3	61.5	22	83.8
0	9.5	60.7	3	73.4
539	7.2	60.0	22	57.7
0	1.2	59.4	4	56.1
540	-0.4	58.9	22	48.9
0	-1.6	58.5	5	42.5
541	-13.4	58.1	22	39.4
0	-21.2	57.8	6	29.5
542	-22.5	57.5	22	25.5
0	-19.5	57.4	7	17.5
543	-15.2	57.2	22	11.4
0	-14.6	57.1	7	9.0
544	-17.5	57.1	22	3.7
0	-21.4	57.1	8	-1.0
545	-23.7	57.1	22	-3.9
0	-22.2	57.2	9	-9.3
546	-18.4	57.3	22	-14.6
0	-16.5	57.5	9	-19.1
547	-17.5	57.8	22	-23.1
0	-20.5	58.1	9	-33.8
548	-20.9	58.4	23	-35.9
0	-18.8	58.8	0	-37.2
549	-15.2	59.3	23	-41.5
0	-13.2	59.8	0	-46.0
550	-14.1	60.3	23	-48.7
0	-17.2	60.9	0	-63.6
551	-19.5	61.5	23	-62.5
0	-20.7	62.1	0	-60.6
552	-19.4	62.9	23	-65.7
0	-17.5	63.6	0	-70.5
553	-16.1	64.4	23	-74.2
0	-17.1	65.3	0	-78.0
554	-18.2	66.2	23	-82.2
0	-18.4	67.1	0	-86.5
555	-18.0	68.2	23	-100.6
0	-17.5	69.2	0	-105.9
556	-17.5	70.3	23	-110.4
0	-18.7	71.5	0	-115.2
557	-19.8	72.7	23	-120.0
0	-19.7	73.9	0	-125.1
558	-18.4	75.2	23	-130.7
0	-16.5	76.5	0	-134.9
559	-15.1	77.9	23	-139.5
0	-14.5	79.3	0	-143.2
560	-14.1	80.8	22	-146.6
0	-13.4	82.3	9	-150.1
561	-12.2	83.8	22	-153.3
0	-11.9	85.4	9	-156.5
562			22	
0			9	
563			22	
0			8	
564			22	
0			8	
565			22	

589	-13.2	86.9	20	-158.9
0	-14.8	88.6	1	-162.6
590	-15.2	90.2	19	-165.8
0	-13.7	91.9	9	-169.3
591	-11.7	93.6	19	-172.7
0	-11.0	95.4	7	-175.1
592	-11.7	97.1	19	-177.5
0	-11.9	98.9	6	-180.2
593	-10.6	100.8	19	-182.8
0	-8.1	102.6	4	-184.7
594	-6.1	104.5	19	-186.3
0	-6.2	106.3	2	-187.1
595	-7.7	108.2	19	-187.9
0	-8.3	110.1	0	-189.5
596	-6.8	112.0	18	-190.8
0	-4.7	113.9	9	-191.9
597	-3.4	115.8	18	-192.4
0	-2.8	117.8	7	-192.7
598	-2.7	119.7	18	-192.7
0	-2.4	121.6	5	-192.2
599	-2.3	123.5	18	-192.2
0	-2.2	125.5	3	-191.9
600	-2.2	127.4	18	-191.4
0	-2.2	129.3	1	-191.4
601	-2.2	131.2	17	-191.1
0	-2.3	133.1	9	-190.8
602	-2.3	135.0	17	-190.3
0	-2.3	136.9	7	-190.3
603	-2.3	138.8	17	-190.0
0	-2.3	140.7	5	-189.8
604	-2.2	142.6	17	-189.5
0	-2.3	144.5	4	-189.2
605	-2.2	146.4	17	-189.0
0	-2.2	148.3	2	-188.4
606	-2.0	150.2	17	-188.4
0	-1.6	152.1	0	-188.2
607	0.0	153.9	16	-187.4
0	1.9	155.8	8	-186.3
608	3.3	157.7	16	-184.7
0	2.2	159.5	6	-182.6
609	0.3	161.3	16	-181.2
0	0.0	163.1	4	-180.7
610	1.4	164.9	16	-179.4
0	3.5	166.7	2	-177.8
611	5.4	168.5	16	-175.7
0	5.7	170.2	0	-173.0
612	5.3	171.9	15	-170.6
0	4.3	173.6	8	-168.2
613	3.5	175.3	15	-166.1
0	4.3	176.9	6	-164.2
614	6.1	178.5	15	-162.3
0	8.1	180.1	4	-159.2
615	9.1	181.7	15	-156.2
0	7.9	183.3	2	-152.8
616			15	
0			1	
617			14	
0			9	
618			14	
0			7	
619			14	

643	5.8	184.8	103	-149.8
0	5.4	186.2	101	-147.4
644	6.5	187.6	100	-130.4
0	4.2	189.0	98	-117.4
645	-2.7	190.2	97	-126.7
0	-2.3	191.3	96	-112.8
646	-3.8	192.2	95	-90.7
0	-12.5	193.0	94	-88.6
647	-17.4	193.7	94	-72.1
0	-15.5	194.4	93	-57.2
648	-6.9	195.0	92	-60.4
0	0.7	195.5	92	-48.1
649	0.0	195.9	92	-46.8
0	0.0	196.3	91	-37.8
650	0.9	196.7	91	-36.4
0	6.5	196.9	91	-28.7
651	13.4	197.2	90	-26.6
0	15.2	197.4	90	-19.7
652	13.6	197.6	90	-14.1
0	10.3	197.7	90	-11.9
653	8.8	197.8	90	-10.1
0	10.6	197.9	90	-6.9
654	15.3	197.9	90	-2.9
0	21.2	197.9	90	1.0
655	26.7	197.9	90	3.9
0	27.0	197.8	90	10.3
656	22.6	197.6	90	16.7
0	17.9	197.4	90	24.2
657	16.8	197.1	90	32.2
0	20.5	196.8	91	37.0
658	25.6	196.4	91	43.6
0	28.1	196.0	91	51.3
659	26.2	195.5	92	54.3
0	21.4	194.9	93	55.1
660	17.2	194.2	93	73.4
0	17.0	193.5	94	71.0
661	19.9	192.8	95	68.1
0	23.2	192.0	95	73.2
662	24.0	191.1	96	79.0
0	21.6	190.1	97	103.0
663	18.3	189.2	98	99.0
0	16.1	188.2	99	93.1
664	17.4	187.1	100	107.8
0	19.1	185.9	102	112.6
665	20.7	184.8	103	117.6
0	20.5	183.6	104	123.2
666	17.9	182.3	105	128.8
0	15.1	181.0	106	133.3
667	13.6	179.6	108	137.3
0	14.4	178.2	109	140.8
668	16.7	176.8	111	144.5
0	17.9	175.3	112	148.8
669	17.2	173.8	114	153.3
0	14.0	172.2	115	157.6
670				
0				
671				
0				
672				
0				
673				

697	10.3	170.6	11	160.7
0	9.6	169.0	7	163.1
698	11.5	167.3	11	165.0
0	13.6	165.7	8	167.9
699	14.1	164.0	12	170.9
0	12.1	162.2	0	174.1
700	9.5	160.5	12	177.0
0	6.8	158.7	2	178.6
701	6.0	156.9	12	179.9
0	7.3	155.1	3	180.7
702	8.7	153.3	12	182.3
0	8.8	151.4	5	183.6
703	6.4	149.6	12	185.2
0	3.5	147.7	7	186.0
704	2.3	145.9	12	186.3
0	2.4	144.0	9	186.0
705	3.1	142.1	13	185.8
0	4.2	140.3	1	186.0
706	4.7	138.4	13	186.6
0	4.2	136.5	2	186.8
707	2.8	134.7	13	187.4
0	2.2	132.8	4	187.1
708	1.9	130.9	13	186.8
0	1.9	129.1	6	186.6
709	1.9	127.2	13	186.6
0	1.8	125.3	8	186.0
710	1.9	123.5	14	185.8
0	1.6	121.6	0	185.2
711	0.0	119.8	14	184.7
0	-3.7	117.9	2	183.6
712	-4.9	116.1	14	181.2
0	-1.9	114.3	3	179.1
713	1.1	112.5	14	177.8
0	1.8	110.7	5	177.5
714	0.4	109.0	14	177.0
0	-1.9	107.2	7	176.2
715	-3.4	105.5	14	174.6
0	-3.3	103.7	9	172.7
716	-1.2	102.0	15	170.6
0	0.8	100.3	1	169.8
717	1.1	98.6	15	169.0
0	0.0	96.9	3	168.7
718	-2.6	95.3	15	167.7
0	-4.5	93.6	5	165.5
719	-4.5	92.0	15	163.7
0	-2.3	90.3	7	161.8
720	0.0	88.7	15	160.5
0	-0.1	87.1	8	159.7
721	-3.0	85.5	16	158.9
0	-5.7	84.0	0	157.0
722	-5.8	82.4	16	154.4
0	-3.9	80.9	2	152.0
723	-2.6	79.4	16	150.1
0	-2.7	77.9	4	148.5
724			16	
0			6	
725			16	
0			8	
726			17	
0			0	
727			17	

751	-5.2	76.4	21	146.9
0	-8.1	75.0	1	144.5
752	-8.5	73.5	21	141.3
0	-7.2	72.1	2	138.1
753	-5.3	70.8	21	135.5
0	-5.6	69.4	4	133.1
754	-7.9	68.1	21	130.7
0	-10.0	66.9	5	114.4
755	-6.9	65.7	21	103.5
0	0.7	64.6	7	114.4
756	1.9	63.7	21	94.2
0	1.5	62.8	8	92.3
757	1.6	62.0	21	75.6
0	1.8	61.3	9	67.8
758	0.4	60.7	22	54.3
0	0.0	60.2	1	54.0
759	-0.1	59.6	22	53.2
0	-4.9	59.2	2	43.3
760	-16.4	58.8	22	37.2
0	-21.2	58.5	3	27.9
761	-20.7	58.2	22	25.0
0	-16.8	58.0	4	17.5
762	-12.5	57.9	22	16.5
0	-12.7	57.7	5	11.4
763	-16.3	57.7	22	6.9
0	-19.7	57.6	5	2.3
764	-20.9	57.6	22	-0.7
0	-20.5	57.7	6	-6.1
765	-18.3	57.8	22	-10.3
0	-17.0	57.9	7	-14.3
766	-18.3	58.1	22	-18.6
0	-20.6	58.3	7	-23.1
767	-21.8	58.6	22	-28.4
0	-20.1	59.0	8	-33.2
768	-16.8	59.4	22	-38.0
0	-14.5	59.8	8	-42.0
769	-14.8	60.4	22	-55.9
0	-16.5	60.9	9	-54.8
770	-18.7	61.5	22	-53.2
0	-19.5	62.1	9	-70.2
771	-17.9	62.8	22	-75.8
0	-15.6	63.5	9	-81.1
772	-14.4	64.3	22	-85.7
0	-15.5	65.1	9	-89.4
773	-17.2	65.9	23	-92.9
0	-18.4	66.8	0	-99.3
774	-18.6	67.8	23	-104.3
0	-18.7	68.8	0	-99.8
775	-19.1	69.8	23	-104.8
0	-20.6	70.9	0	-109.9
776	-21.8	72.0	23	-116.0
0	-22.0	73.2	0	-121.6
777	-21.0	74.5	23	-127.5
0	-19.1	75.8	0	-133.1
778			23	
0			0	
779			23	
0			0	
780			23	
0			0	
781			22	

805	-18.0	77.2	21	-137.9
0	-18.0	78.6	0	-142.6
806	-18.6	80.0	20	-147.4
0	-18.8	81.6	9	-152.0
807	-17.4	83.1	20	-157.0
0	-15.7	84.7	7	-161.0
808	-15.6	86.4	20	-165.0
0	-16.4	88.0	6	-168.7
809	-17.6	89.7	20	-172.7
0	-17.2	91.5	4	-177.5
810	-14.8	93.3	20	-181.5
0	-12.6	95.2	3	-184.7
811	-12.6	97.0	20	-187.6
0	-13.6	98.9	1	-190.8
812	-13.7	100.9	19	-193.8
0	-12.5	102.8	9	-196.7
813	-10.8	104.8	19	-199.6
0	-10.3	106.8	8	-201.7
814	-10.7	108.8	19	-203.3
0	-10.7	110.9	6	-205.7
815	-10.6	113.0	19	-207.9
0	-9.6	115.1	4	-209.7
816	-8.1	117.2	19	-211.6
0	-6.5	119.3	2	-212.7
817	-5.3	121.4	19	-213.7
0	-5.3	123.6	0	-214.5
818	-6.5	125.7	18	-214.8
0	-7.1	127.9	9	-215.9
819	-6.0	130.0	18	-216.7
0	-4.2	132.2	7	-217.2
820	-3.5	134.4	18	-217.7
0	-3.0	136.6	5	-217.7
821	-2.6	138.7	18	-217.5
0	-2.7	140.9	3	-216.9
822	-2.7	143.1	18	-216.9
0	-2.6	145.3	1	-216.7
823	-2.3	147.4	17	-216.7
0	-2.3	149.6	9	-216.1
824	-2.3	151.7	17	-215.6
0	-2.2	153.9	7	-215.1
825	-2.0	156.0	17	-214.8
0	-0.8	158.2	4	-214.5
826	2.3	160.3	17	-213.2
0	5.0	162.4	2	-211.1
827	5.0	164.5	17	-208.4
0	2.3	166.6	0	-206.3
828	0.5	168.7	16	-204.7
0	0.4	170.7	8	-203.6
829	2.8	172.7	16	-201.7
0	5.2	174.7	6	-199.9
830	6.0	176.7	16	-197.2
0	5.4	178.7	4	-194.6
831	4.7	180.6	16	-191.6
0	4.1	182.5	2	-189.5
832			16	
0			0	
833			15	
0			7	
834			15	
0			5	
835			15	

859	3.9	184.4	103	-187.9
0	5.2	186.2	101	-185.2
860	6.9	188.1	99	-182.3
0	0.5	189.6	98	-160.5
861	-3.7	191.1	96	-150.4
0	-18.0	192.3	95	-117.9
862	-38.1	193.4	94	-101.6
0	-44.2	194.3	93	-87.5
863	-32.0	195.0	92	-66.2
0	-12.1	195.7	92	-61.4
864	0.1	196.2	91	-45.7
0	0.1	196.7	91	-43.3
865	1.4	197.1	90	-40.1
0	3.4	197.4	90	-31.1
866	4.7	197.7	90	-28.7
0	5.8	197.9	90	-21.5
867	6.5	198.1	89	-20.4
0	8.4	198.2	89	-15.4
868	10.8	198.4	89	-11.4
0	13.7	198.5	89	-10.1
869	15.7	198.5	89	-5.0
0	17.5	198.5	89	0.0
870	21.4	198.5	89	1.5
0	24.1	198.5	89	7.4
871	23.9	198.4	89	11.9
0	21.6	198.2	89	18.1
872	19.1	197.9	90	23.1
0	18.2	197.6	90	34.0
873	19.9	197.3	90	39.6
0	22.2	196.9	91	45.5
874	23.1	196.4	91	47.3
0	22.0	195.9	92	48.4
875	19.8	195.3	92	65.4
0	18.3	194.7	93	64.6
876	18.3	194.0	93	62.5
0	19.8	193.2	94	81.9
877	21.2	192.5	95	87.5
0	21.3	191.7	96	85.4
878	19.8	190.8	97	81.7
0	17.2	189.8	98	105.1
879	15.7	188.8	99	109.9
0	15.9	187.8	100	114.4
880	17.6	186.7	101	108.0
0	18.7	185.6	102	113.1
881	18.8	184.4	103	117.9
0	18.8	183.2	104	123.2
882	18.0	181.9	106	128.0
0	17.1	180.6	107	132.5
883	17.5	179.2	108	137.1
0	19.8	177.8	110	141.8
884	20.9	176.4	111	147.2
0	20.1	174.9	113	152.8
885	18.8	173.3	114	157.8
0	17.0	171.7	116	162.3
886				
0				
887				
0				
888				
0				
889				

913	16.3	170.0	11	166.6
0	17.8	168.3	7	170.6
914	18.6	166.6	11	175.4
0	18.0	164.8	9	180.2
915	15.7	163.0	12	184.2
0	12.5	161.1	1	187.9
916	10.8	159.2	12	190.8
0	10.7	157.3	3	193.2
917	11.8	155.3	12	195.4
0	12.5	153.3	4	197.8
918	12.1	151.3	12	200.4
0	10.0	149.3	6	202.8
919	7.6	147.3	12	204.7
0	6.0	145.2	8	206.3
920	5.8	143.1	13	206.8
0	7.3	141.1	0	207.6
921	8.4	139.0	13	209.2
0	8.0	136.9	2	210.3
922	6.2	134.8	13	211.9
0	4.3	132.6	4	212.1
923	3.4	130.5	13	212.7
0	3.5	128.4	6	212.4
924	3.7	126.3	13	212.4
0	3.4	124.1	8	212.4
925	2.6	122.0	14	212.4
0	2.2	119.9	0	212.4
926	2.0	117.8	14	212.1
0	2.0	115.7	2	211.6
927	1.9	113.5	14	211.3
0	1.6	111.4	4	210.5
928	-1.6	109.3	14	210.0
0	-5.2	107.3	6	208.1
929	-5.2	105.2	14	205.5
0	-2.4	103.2	8	203.1
930	0.0	101.1	15	201.7
0	0.5	99.1	1	200.7
931	-0.7	97.1	15	199.9
0	-3.4	95.1	3	198.3
932	-5.4	93.2	15	196.2
0	-4.7	91.2	5	193.8
933	-2.0	89.3	15	191.4
0	-0.1	87.4	7	190.3
934	-1.6	85.5	15	189.2
0	-4.5	83.6	9	187.4
935	-6.2	81.8	16	185.0
0	-5.2	79.9	1	182.3
936	-3.0	78.1	16	179.9
0	-2.7	76.3	3	178.1
937	-4.5	74.6	16	176.5
0	-6.8	72.8	5	174.1
938	-7.9	71.1	16	171.1
0	-8.3	69.4	8	167.9
939	-8.8	67.8	17	164.7
0	-8.7	66.2	0	141.3
940			17	
0			2	
941			17	
0			4	
942			17	
0			6	
943			17	

9670	-0.8	64.8	22	123.5
9680	2.3	63.6	3	120.5
9690	6.6	62.4	22	115.0
9700	15.6	61.5	4	91.8
9710	19.5	60.7	22	79.6
9720	12.1	60.0	5	75.6
9730	3.1	59.4	22	59.1
9740	-0.4	58.8	6	50.8
9750	-0.3	58.4	22	44.1
9760	-10.2	58.0	7	40.9
9770	-19.4	57.7	22	30.6
9780	-21.0	57.4	7	27.1
9790	-19.9	57.2	22	19.1
9800	-16.1	57.0	8	12.5
9810	-12.5	56.9	22	9.5
9820	-11.9	56.9	9	6.3
9830	-15.1	56.8	22	2.1
9840	-19.4	56.8	9	-1.0
9850	-23.2	56.9	22	-4.7
9860	-23.7	57.0	9	-11.4
9870	-22.1	57.1	23	-18.9
9880	-21.2	57.3	0	-22.8
9890	-22.0	57.6	23	-31.9
9900	-23.3	57.9	0	-34.8
9910	-22.5	58.3	23	-37.0
9920	-19.1	58.8	0	-42.3
9930	-15.2	59.3	23	-46.8
9940	-13.4	59.9	0	-61.4
9950	-15.5	60.4	23	-59.3
9960	-18.8	61.0	1	-57.5
9970	-22.0	61.8	23	-75.6
9980	-22.4	62.5	1	-81.7
9990	-21.2	63.3	23	-87.8
10000	-19.7	64.1	1	-94.5
10010	-19.4	65.0	23	-90.5
10020	-19.5	65.9	1	-86.2
10030	-19.4	66.9	23	-90.7
10040	-18.7	68.0	1	-105.9
10050	-17.8	69.1	23	-111.0
10060	-17.2	70.3	0	-115.5
10070	-18.3	71.4	23	-120.3
10080	-19.9	72.7	0	-125.3
10090	-21.0	74.0	23	-130.4
10100	-20.5	75.3	0	-136.3
10110	-18.0	76.7	23	-141.3
10120	-15.6	78.2	0	-145.8
10130	-14.0	79.7	23	-149.8
10140	-12.9	81.2	0	-153.0
10150	-12.1	82.7	22	-156.2
10160	-11.4	84.3	9	-158.9
10170	-11.7	85.9	22	-161.8
10180	-12.6	87.6	9	-164.2
10190	-13.3	89.2	22	-167.4
10200	-13.0	90.9	8	-170.9

22

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7

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6

22

1021	-12.1	92.7	195	-173.5
0	-11.0	94.4	193	-176.2
1022	-11.8	96.2	191	-178.9
0	-12.5	98.0	189	-181.2
1023	-11.7	99.8	188	-183.9
0	-8.9	101.7	186	-186.8
1024	-5.7	103.6	184	-187.9
0	-5.6	105.5	182	-189.0
1025	-8.3	107.4	180	-189.8
0	-11.1	109.3	178	-191.4
1026	-11.7	111.2	176	-193.8
0	-10.3	113.2	174	-196.4
1027	-8.0	115.2	172	-198.3
0	-6.6	117.1	170	-199.4
1028	-6.4	119.1	168	-200.4
0	-6.5	121.2	166	-201.5
1029	-7.2	123.2	164	-202.5
0	-7.2	125.2	162	-203.3
1030	-6.8	127.3	160	-204.4
0	-5.4	129.3	158	-205.5
1031	-4.7	131.4	156	-206.0
0	-5.7	133.4	154	-206.5
1032	-6.9	135.5	152	-207.1
0	-6.6	137.6	150	-208.1
1033	-5.3	139.7	148	-209.2
0	-4.3	141.8	146	-209.7
1034	-4.7	143.9	144	-210.3
0	-5.2	146.0	141	-210.5
1035	-4.5	148.1	139	-210.8
0	-4.2	150.2	137	-211.3
1036	-4.2	152.3	135	-211.3
0	-4.3	154.4	133	-211.6
1037	-3.8	156.5	131	-211.9
0	-2.6	158.7	129	-211.9
1038	-2.6	160.8	127	-211.9
0	-2.4	162.9	125	-211.3
1039	-2.3	165.0	122	-211.1
0	-2.3	167.1	120	-210.5
1040	-2.0	169.2	118	-210.3
0	-1.8	171.3	116	-210.0
1041	3.1	173.4	114	-208.9
0	9.9	175.5	112	-206.8
1042	11.8	177.5	110	-202.5
0	8.8	179.5	108	-198.3
1043	5.2	181.5	106	-195.4
0	2.8	183.4	104	-193.0
1044	4.3	185.3	102	-190.8
0	9.2	187.2	100	-188.2
1045	10.2	189.0	98	-193.2
0	-1.5	190.5	97	-149.0
1046	-4.3	191.9	96	-140.0
0	-18.6	193.0	94	-98.2
1047	-33.8	193.9	94	-94.2
0	-33.9	194.8	93	-80.6
1048				
0				
1049				
0				
1050				
0				
1051				

1075	-19.4	195.5	92	-59.9
0	-1.6	196.1	91	-55.3
1076	0.5	196.6	91	-46.5
0	2.4	197.0	90	-39.1
1077	8.0	197.3	90	-29.0
0	9.6	197.6	90	-26.8
1078	7.3	197.8	90	-25.0
0	5.0	198.0	89	-19.9
1079	4.3	198.2	89	-17.0
0	6.5	198.4	89	-13.0
1080	11.1	198.5	89	-11.7
0	15.7	198.6	89	-7.7
1081	18.3	198.6	89	-2.3
0	19.7	198.6	89	0.7
1082	20.7	198.6	89	3.9
0	20.6	198.5	89	11.1
1083	20.3	198.3	89	17.3
0	20.9	198.1	89	23.4
1084	21.8	197.9	90	26.8
0	22.8	197.6	90	33.0
1085	23.3	197.2	90	35.1
0	23.2	196.8	91	40.9
1086	22.8	196.2	91	56.9
0	22.4	195.7	92	57.5
1087	22.4	195.1	92	57.5
0	22.9	194.4	93	69.7
1088	23.7	193.6	94	83.8
0	23.9	192.8	95	90.5
1089	23.5	192.0	95	88.3
0	22.8	191.1	96	85.4
1090	21.8	190.1	97	90.5
0	21.8	189.0	98	95.8
1091	22.4	187.8	100	123.2
0	22.6	186.7	101	118.2
1092	22.4	185.5	102	124.0
0	21.7	184.2	103	130.1
1093	21.0	182.8	105	136.0
0	19.8	181.4	106	141.3
1094	19.0	180.0	107	146.6
0	18.8	178.5	109	151.7
1095	19.3	176.9	111	156.8
0	19.1	175.3	112	161.5
1096	18.0	173.7	114	166.3
0	16.4	172.0	115	170.6
1097	14.6	170.2	117	174.6
0	14.6	168.5	119	178.1
1098	15.3	166.6	121	182.0
0	15.9	164.8	123	185.8
1099	15.3	162.9	125	189.2
0	13.8	161.0	126	192.7
1100	12.1	159.0	128	196.2
0	10.7	157.1	130	198.8
1101	10.8	155.1	132	200.7
0	11.7	153.0	134	203.1
1102				
0				
1103				
0				
1104				
0				
1105				

1129	12.5	151.0	13	205.5
0	11.4	148.9	6	208.1
1130	9.9	146.8	13	210.5
0	7.5	144.7	9	212.1
1131	6.5	142.6	14	213.2
0	7.2	140.4	1	214.0
1132	7.7	138.3	14	215.6
0	7.3	136.1	3	216.9
1133	6.4	133.9	14	218.0
0	5.3	131.7	5	218.8
1134	4.5	129.5	14	219.6
0	4.3	127.3	7	219.6
1135	4.9	125.1	14	219.6
0	5.7	122.9	9	220.1
1136	5.3	120.7	15	220.9
0	4.1	118.5	1	221.2
1137	2.8	116.3	15	221.4
0	2.3	114.1	4	221.2
1138	2.2	111.9	15	220.9
0	2.0	109.7	6	220.6
1139	2.0	107.5	15	220.1
0	1.8	105.3	8	219.9
1140	0.0	103.1	16	219.1
0	-5.2	100.9	0	217.5
1141	-6.4	98.7	16	214.5
0	-1.8	96.6	2	212.1
1142	1.5	94.5	16	210.8
0	1.5	92.4	5	210.3
1143	-1.5	90.3	16	209.5
0	-4.5	88.2	7	207.6
1144	-5.8	86.2	16	205.5
0	-5.2	84.1	9	202.5
1145	-2.6	82.1	17	200.1
0	-1.2	80.1	1	198.3
1146	-3.0	78.2	17	197.0
0	-7.1	76.2	3	194.3
1147	-10.7	74.3	17	191.4
0	-11.1	72.4	6	187.4
1148	-8.4	70.6	17	183.6
0	-6.8	68.7	8	180.2
1149	-7.5	67.0	18	177.3
0	-4.1	65.4	0	160.7
1150	2.3	64.0	18	124.3
0	10.8	62.7	2	119.5
1151	23.6	61.6	18	92.6
0	26.3	60.7	4	88.9
1152	18.8	59.9	18	75.8
0	10.3	59.3	7	64.1
1153	1.8	58.7	18	54.5
0	0.0	58.2	9	50.5
1154	0.0	57.8	19	39.4
0	-1.5	57.4	1	33.5
1155	-14.5	57.1	19	30.3
0	-23.9	56.9	3	21.2
1156			19	
0			5	
1157			19	
0			7	
1158			19	
0			9	
1159			20	

1183	-27.5	56.8	23	15.4
0	-21.4	56.7	1	6.6
1184	-13.6	56.7	23	1.0
0	-11.1	56.7	1	0.0
1185	-17.6	56.7	23	-2.6
0	-24.8	56.7	1	-8.5
1186	-26.6	56.9	23	-14.1
0	-23.3	57.0	1	-20.7
1187	-19.5	57.3	23	-24.2
0	-18.7	57.6	1	-29.2
1188	-20.6	58.0	23	-33.8
0	-22.5	58.4	1	-47.9
1189	-21.6	58.9	23	-49.2
0	-18.2	59.4	1	-54.8
1190	-15.1	60.0	23	-53.5
0	-13.3	60.6	0	-69.7
1191	-14.4	61.3	23	-67.0
0	-16.8	62.0	0	-63.3
1192	-18.0	62.7	23	-82.2
0	-16.8	63.5	0	-87.0
1193	-14.6	64.4	22	-92.3
0	-14.4	65.2	9	-96.1
1194	-15.7	66.1	22	-100.6
0	-17.2	67.1	9	-105.1
1195	-17.5	68.1	22	-100.0
0	-16.3	69.1	9	-104.8
1196	-13.8	70.2	22	-108.6
0	-12.9	71.3	8	-112.3
1197	-13.2	72.4	22	-115.8
0	-13.4	73.6	7	-118.7
1198	-13.6	74.8	22	-122.4
0	-12.5	76.1	7	-125.9
1199	-11.3	77.4	22	-129.1
0	-10.8	78.7	6	-131.5
1200	-11.0	80.0	22	-134.4
0	-11.3	81.4	5	-136.5
1201	-11.3	82.8	22	-139.5
0	-11.5	84.2	5	-141.8
1202	-12.3	85.6	22	-145.0
0	-13.2	87.1	4	-147.7
1203	-13.0	88.6	22	-151.4
0	-12.3	90.1	3	-154.4
1204	-11.0	91.7	22	-157.0
0	-10.3	93.3	2	-159.7
1205	-10.8	94.9	22	-161.5
0	-12.2	96.5	1	-164.5
1206	-12.7	98.2	22	-167.1
0	-11.4	99.9	0	-169.8
1207	-9.8	101.6	21	-172.7
0	-9.1	103.4	9	-174.6
1208	-10.7	105.1	21	-176.7
0	-13.7	106.9	8	-179.4
1209	-14.9	108.7	21	-182.0
0	-13.4	110.6	7	-185.5
1210			21	
0			6	
1211			21	
0			5	
1212			21	
0			4	
1213			21	

1237	-11.0	112.4	175	-188.4
0	-9.4	114.4	173	-190.6
1238	-10.2	116.3	171	-192.4
0	-11.7	118.2	169	-194.8
1239	-12.2	120.2	167	-197.0
0	-11.1	122.2	165	-199.6
1240	-9.8	124.2	163	-202.0
0	-9.6	126.2	161	-204.4
1241	-10.0	128.3	159	-206.3
0	-10.0	130.4	157	-207.9
1242	-10.2	132.5	155	-210.0
0	-10.3	134.6	153	-211.9
1243	-8.8	136.7	151	-214.0
0	-6.6	138.9	149	-215.6
1244	-5.3	141.0	146	-216.1
0	-6.0	143.2	144	-216.7
1245	-6.9	145.4	142	-217.5
0	-6.0	147.5	140	-218.3
1246	-4.6	149.7	138	-219.1
0	-3.9	151.9	136	-219.6
1247	-3.7	154.1	133	-219.6
0	-3.1	156.3	131	-219.6
1248	-2.6	158.5	129	-219.6
0	-2.6	160.7	127	-219.3
1249	-2.4	162.9	125	-218.8
0	-2.3	165.1	122	-218.5
1250	-2.2	167.3	120	-218.0
0	-2.0	169.4	118	-217.5
1251	0.0	171.6	116	-217.2
0	6.1	173.8	114	-215.1
1252	9.5	175.9	112	-211.9
0	7.9	178.0	109	-207.9
1253	4.2	180.0	107	-204.9
0	1.9	182.1	105	-202.8
1254	2.2	184.1	103	-201.2
0	5.7	186.1	101	-199.1
1255	10.0	188.1	99	-195.6
0	3.5	189.8	98	-171.4
1256	-3.5	191.3	96	-159.2
0	-19.8	192.6	95	-123.2
1257	-40.0	193.7	94	-105.1
0	-45.0	194.6	93	-98.2
1258	-30.1	195.4	92	-74.5
0	-7.9	196.0	91	-66.5
1259	0.4	196.5	91	-50.3
0	2.6	197.0	90	-38.3
1260	11.9	197.4	90	-37.2
0	15.2	197.6	90	-27.6
1261	12.5	197.9	90	-23.1
0	9.9	198.1	89	-17.8
1262	8.5	198.3	89	-17.0
0	10.8	198.4	89	-13.0
1263	15.5	198.5	89	-11.4
0	19.4	198.6	89	-5.5
1264				
0				
1265				
0				
1266				
0				
1267				

1291	23.3	198.6	89	0.7
0	27.3	198.6	89	2.6
1292	27.5	198.5	89	11.7
0	25.1	198.3	89	19.7
1293	23.2	198.1	89	27.1
0	24.7	197.8	90	33.8
1294	27.8	197.4	90	42.0
0	30.0	197.0	90	45.7
1295	29.2	196.5	91	53.7
0	26.3	195.9	92	55.3
1296	22.8	195.2	92	75.3
0	21.2	194.5	93	67.0
1297	22.4	193.7	94	88.1
0	24.8	192.8	95	94.5
1298	26.4	191.9	96	102.2
0	25.8	191.0	96	99.8
1299	24.0	189.9	98	95.8
0	21.8	188.8	99	123.7
1300	20.7	187.6	100	130.1
0	20.9	186.4	101	123.7
1301	20.6	185.1	102	129.1
0	20.7	183.8	104	134.7
1302	19.8	182.4	105	140.2
0	17.6	180.9	107	145.3
1303	16.8	179.4	108	150.1
0	17.9	177.9	110	154.6
1304	19.5	176.3	111	159.2
0	19.4	174.7	113	164.2
1305	17.4	173.0	114	168.7
0	14.0	171.3	116	173.0
1306	11.4	169.5	118	176.5
0	11.1	167.8	120	178.6
1307	11.8	166.0	121	181.2
0	12.6	164.1	123	183.9
1308	12.7	162.3	125	186.6
0	12.5	160.4	127	189.8
1309	11.1	158.5	129	192.4
0	9.2	156.5	131	194.8
1310	8.3	154.6	133	196.4
0	8.8	152.6	135	198.0
1311	9.9	150.6	137	200.1
0	9.9	148.6	139	202.0
1312	8.8	146.5	141	203.9
0	6.6	144.5	143	205.2
1313	6.0	142.4	145	206.0
0	6.6	140.4	147	206.8
1314	7.5	138.3	149	207.9
0	7.5	136.2	151	209.5
1315	6.9	134.1	153	210.5
0	5.8	132.0	155	211.6
1316	4.5	129.9	158	212.1
0	3.7	127.7	160	212.4
1317	3.4	125.6	162	212.7
0	3.8	123.5	164	212.4
1318				
0				
1319				
0				
1320				
0				
1321				

1345	4.2	121.4	16	212.4
0	4.3	119.2	6	212.9
1346	3.9	117.1	16	213.2
0	3.3	115.0	8	213.2
1347	2.4	112.8	17	213.2
0	2.2	110.7	0	212.9
1348	2.0	108.6	17	212.4
0	2.0	106.5	2	212.1
1349	1.8	104.3	17	211.6
0	0.7	102.2	5	211.1
1350	-3.7	100.1	17	209.7
0	-5.8	98.0	7	207.3
1351	-3.5	96.0	17	204.9
0	-0.1	93.9	9	203.3
1352	0.5	91.9	18	202.3
0	-0.8	89.9	1	201.2
1353	-3.3	87.9	18	199.9
0	-4.6	85.9	3	197.5
1354	-4.5	84.0	18	195.4
0	-2.3	82.0	5	193.0
1355	-0.8	80.1	18	191.1
0	-1.9	78.2	7	189.8
1356	-5.3	76.3	18	188.2
0	-8.9	74.5	9	185.5
1357	-9.6	72.6	19	181.8
0	-8.0	70.8	1	178.3
1358	-6.9	69.1	19	175.1
0	-7.9	67.3	4	172.2
1359	-6.4	65.8	19	143.7
0	2.7	64.3	6	152.0
1360	3.3	63.1	19	119.8
0	14.2	62.0	8	113.9
1361	23.7	61.1	20	90.5
0	24.5	60.3	0	77.7
1362	13.3	59.6	20	66.2
0	2.3	59.0	2	50.5
1363	-0.1	58.5	20	47.9
0	0.0	58.1	3	40.9
1364	-7.1	57.7	20	38.3
0	-17.2	57.4	5	25.5
1365	-21.0	57.1	20	23.1
0	-22.9	57.0	7	15.1
1366	-19.7	56.8	20	11.7
0	-14.9	56.8	9	5.3
1367	-12.9	56.7	21	1.3
0	-16.0	56.8	1	-1.0
1368	-21.3	56.8	21	-3.9
0	-23.3	56.9	3	-8.7
1369	-21.2	57.0	21	-17.5
0	-18.4	57.2	5	-24.2
1370	-18.6	57.5	21	-29.5
0	-21.0	57.8	7	-31.9
1371	-22.6	58.1	21	-34.0
0	-21.4	58.6	8	-48.4
1372			22	
0			0	
1373			22	
0			2	
1374			22	
0			3	
1375			22	

1399	-18.3	59.1	22	-54.5
0	-15.7	59.6	8	-59.6
1400	-15.2	60.1	22	-58.5
0	-17.0	60.8	8	-56.4
1401	-19.7	61.5	22	-74.2
0	-21.0	62.2	7	-79.6
1402	-19.9	62.9	22	-77.7
0	-18.0	63.7	7	-74.8
1403	-16.3	64.6	22	-78.8
0	-16.3	65.5	6	-82.5
1404	-16.7	66.4	22	-86.5
0	-16.8	67.5	5	-100.0
1405	-16.1	68.5	22	-104.6
0	-15.2	69.6	5	-109.1
1406	-14.9	70.7	22	-112.8
0	-15.2	71.9	4	-117.1
1407	-16.1	73.1	22	-120.5
0	-16.4	74.3	3	-125.1
1408	-15.1	75.6	22	-129.1
0	-13.2	76.9	2	-132.8
1409	-11.4	78.3	22	-136.3
0	-10.6	79.6	1	-138.7
1410	-10.4	81.0	22	-141.0
0	-9.5	82.5	0	-143.4
1411	-9.1	83.9	21	-145.6
0	-9.2	85.4	9	-147.4
1412	-11.0	86.9	21	-149.6
0	-12.7	88.4	8	-152.5
1413	-13.3	89.9	21	-155.2
0	-12.6	91.5	7	-158.6
1414	-10.7	93.1	21	-161.5
0	-10.2	94.8	6	-163.7
1415	-10.8	96.4	21	-166.3
0	-12.2	98.1	4	-168.7
1416	-12.1	99.8	21	-171.4
0	-10.8	101.5	3	-174.1
1417	-9.2	103.3	21	-176.2
0	-9.5	105.1	2	-178.1
1418	-11.5	106.9	21	-180.2
0	-13.3	108.7	1	-182.6
1419	-12.9	110.5	20	-185.8
0	-11.0	112.4	9	-188.4
1420	-9.6	114.3	20	-190.6
0	-9.5	116.2	8	-192.4
1421	-9.9	118.2	20	-194.3
0	-9.5	120.1	6	-196.2
1422	-8.7	122.1	20	-198.0
0	-8.1	124.1	5	-199.9
1423	-8.4	126.1	20	-201.5
0	-8.8	128.1	4	-202.8
1424	-8.1	130.2	20	-204.4
0	-7.5	132.2	2	-205.7
1425	-7.5	134.3	20	-207.1
0	-6.5	136.4	1	-208.4
1426			19	
0			9	
1427			19	
0			8	
1428			19	
0			6	
1429			19	

1453	-5.2	138.5	149	-208.9
0	-4.3	140.6	147	-209.7
1454	-4.5	142.7	145	-209.7
0	-5.2	144.8	143	-210.3
1455	-5.0	146.9	141	-210.5
0	-4.1	149.0	138	-211.1
1456	-3.8	151.1	136	-211.1
0	-3.7	153.2	134	-211.6
1457	-2.8	155.3	132	-211.3
0	-2.4	157.5	130	-211.3
1458	-2.3	159.6	128	-210.8
0	-2.4	161.7	126	-210.5
1459	-2.2	163.8	124	-210.3
0	-2.2	165.9	122	-210.3
1460	-1.9	168.0	119	-209.5
0	-0.3	170.1	117	-208.7
1461	5.0	172.1	115	-207.3
0	8.0	174.2	113	-204.4
1462	6.2	176.2	111	-201.2
0	2.6	178.2	109	-198.3
1463	0.4	180.2	107	-197.0
0	1.8	182.1	105	-196.2
1464	4.7	184.1	103	-194.3
0	8.5	186.0	101	-191.4
1465	10.3	187.9	100	-184.7
0	3.3	189.5	98	-166.3
1466	-3.3	191.0	96	-127.2
0	-18.4	192.3	95	-121.3
1467	-37.6	193.4	94	-104.3
0	-42.4	194.3	93	-97.9
1468	-29.7	195.1	92	-75.3
0	-10.0	195.7	92	-62.0
1469	0.3	196.3	91	-46.0
0	1.4	196.7	91	-43.3
1470	9.1	197.1	90	-32.4
0	13.0	197.4	90	-29.2
1471	11.9	197.7	90	-22.3
0	10.6	197.9	90	-21.0
1472	9.8	198.1	89	-15.9
0	11.5	198.2	89	-14.6
1473	15.7	198.4	89	-10.1
0	19.9	198.4	89	-6.9
1474	20.9	198.5	89	0.0
0	21.3	198.4	89	1.5
1475	20.9	198.4	89	8.2
0	20.3	198.3	89	14.1
1476	20.6	198.1	89	20.4
0	21.8	197.9	90	26.3
1477	22.9	197.6	90	33.0
0	22.8	197.2	90	40.1
1478	21.3	196.8	91	42.8
0	19.7	196.4	91	43.6
1479	18.8	195.8	92	59.3
0	19.4	195.2	92	64.9
1480				
0				
1481				
0				
1482				
0				
1483				

1507	20.6	194.6	93	63.8
0	22.1	194.0	93	62.5
1508	23.2	193.2	94	67.8
0	23.2	192.4	95	89.7
1509	22.6	191.5	96	96.6
0	21.6	190.6	97	93.7
1510	20.6	189.7	98	89.4
0	20.5	188.6	99	93.9
1511	20.7	187.5	100	99.0
0	20.9	186.3	101	115.2
1512	20.5	185.1	102	121.1
0	20.3	183.9	104	126.7
1513	20.2	182.6	105	132.0
0	19.5	181.2	106	137.1
1514	18.0	179.8	108	142.1
0	17.2	178.4	109	146.9
1515	16.7	176.9	111	151.7
0	15.9	175.3	112	155.4
1516	15.1	173.7	114	159.4
0	14.2	172.1	115	163.1
1517	12.7	170.4	117	166.6
0	12.5	168.8	119	169.5
1518	13.3	167.0	120	172.7
0	13.4	165.3	122	175.7
1519	12.5	163.5	124	178.9
0	11.1	161.7	126	181.2
1520	10.0	159.9	128	183.9
0	9.1	158.0	129	185.8
1521	8.7	156.1	131	187.9
0	9.1	154.2	133	189.5
1522	10.0	152.3	135	191.4
0	10.8	150.4	137	193.5
1523	10.3	148.5	139	195.9
0	8.9	146.5	141	197.8
1524	7.5	144.5	143	199.4
0	7.1	142.5	145	200.7
1525	7.5	140.5	147	201.7
0	7.1	138.4	149	202.8
1526	6.4	136.4	151	204.1
0	5.6	134.4	153	205.2
1527	5.2	132.3	155	205.5
0	4.9	130.2	157	206.3
1528	5.0	128.2	159	206.8
0	4.7	126.1	161	207.1
1529	4.2	124.0	163	207.6
0	3.7	122.0	165	207.6
1530	2.8	119.9	168	207.9
0	2.6	117.8	170	207.6
1531	2.4	115.7	172	207.3
0	2.4	113.7	174	207.1
1532	2.4	111.6	176	206.8
0	2.3	109.5	178	206.5
1533	2.3	107.5	180	206.3
0	2.2	105.4	182	206.3
1534				
0				
1535				
0				
1536				
0				
1537				

1561	2.0	103.3	18	205.7
0	2.0	101.3	4	204.9
1562	1.9	99.2	18	204.9
0	1.5	97.2	6	204.4
1563	-1.4	95.1	18	203.9
0	-5.6	93.1	8	201.7
1564	-5.8	91.1	19	199.1
0	-2.7	89.1	0	196.7
1565	0.1	87.2	19	195.4
0	0.0	85.2	2	194.6
1566	-2.6	83.3	19	193.5
0	-4.2	81.4	4	191.6
1567	-4.1	79.5	19	189.5
0	-3.0	77.6	6	187.4
1568	-2.8	75.8	19	185.2
0	-3.7	73.9	8	183.9
1569	-5.0	72.1	20	181.5
0	-6.1	70.3	0	179.1
1570	-7.3	68.5	20	175.9
0	-8.4	66.9	2	155.7
1571	-2.4	65.3	20	138.7
0	2.8	63.9	4	134.1
1572	13.2	62.7	20	104.0
0	26.6	61.6	6	100.6
1573	29.8	60.7	20	86.7
0	19.4	60.0	8	66.2
1574	7.6	59.3	21	62.8
0	-0.1	58.7	0	53.2
1575	0.7	58.3	21	45.7
0	0.0	57.9	2	35.1
1576	0.0	57.5	21	33.8
0	-4.7	57.2	4	26.0
1577	-14.4	57.0	21	23.4
0	-18.8	56.8	5	20.2
1578	-16.7	56.6	21	13.0
0	-11.9	56.5	7	8.2
1579	-8.7	56.5	21	6.6
0	-9.9	56.4	9	3.1
1580	-14.5	56.4	22	0.0
0	-20.9	56.4	1	-1.8
1581	-24.7	56.5	22	-6.9
0	-24.4	56.6	2	-12.5
1582	-21.4	56.8	22	-18.3
0	-19.5	57.0	4	-23.6
1583	-17.9	57.4	22	-34.6
0	-16.4	57.7	5	-39.9
1584	-14.8	58.1	22	-40.7
0	-13.8	58.5	6	-39.9
1585	-14.6	59.0	22	-52.9
0	-16.5	59.5	7	-51.9
1586	-18.3	60.1	22	-50.8
0	-18.4	60.7	7	-67.6
1587	-18.2	61.3	22	-73.2
0	-17.6	62.0	8	-71.0
1588			22	
0			9	
1589			22	
0			9	
1590			23	
0			0	
1591			22	

1615	-17.8	62.8	22	-67.8
0	-17.5	63.5	5	-72.4
1616	-16.8	64.4	22	-76.4
0	-16.4	65.3	4	-80.3
1617	-16.1	66.2	22	-84.1
0	-16.5	67.1	3	-87.8
1618	-17.9	68.2	22	-101.6
0	-18.6	69.3	2	-106.7
1619	-18.3	70.4	22	-111.5
0	-17.5	71.5	1	-116.6
1620	-16.7	72.7	22	-121.1
0	-16.5	74.0	0	-125.3
1621	-17.0	75.2	21	-129.9
0	-17.2	76.6	9	-133.9
1622	-17.2	78.0	21	-138.7
0	-16.7	79.4	8	-142.6
1623	-14.6	80.8	21	-147.2
0	-12.5	82.3	7	-150.6
1624	-10.6	83.9	21	-153.3
0	-10.2	85.4	6	-156.0
1625	-11.5	87.0	21	-158.1
0	-12.5	88.6	5	-161.0
1626	-12.5	90.2	21	-164.2
0	-10.3	91.9	3	-166.9
1627	-8.9	93.6	21	-169.0
0	-9.8	95.3	2	-170.3
1628	-12.3	97.0	21	-173.0
0	-14.2	98.7	1	-175.9
1629	-13.0	100.5	20	-178.9
0	-9.9	102.3	9	-182.0
1630	-7.5	104.2	20	-183.9
0	-7.5	106.0	8	-185.0
1631	-10.0	107.9	20	-186.8
0	-11.3	109.8	7	-189.0
1632	-10.4	111.7	20	-191.4
0	-8.8	113.6	5	-193.5
1633	-8.0	115.6	20	-195.4
0	-8.1	117.5	4	-197.0
1634	-8.7	119.5	20	-198.3
0	-8.7	121.5	2	-199.9
1635	-8.7	123.5	20	-201.5
0	-8.0	125.5	0	-203.1
1636	-6.6	127.6	19	-204.1
0	-4.5	129.6	9	-204.9
1637	-3.5	131.7	19	-205.5
0	-4.1	133.8	7	-205.5
1638	-4.9	135.8	19	-205.7
0	-5.0	137.9	6	-206.0
1639	-4.6	139.9	19	-206.5
0	-4.2	142.0	4	-207.1
1640	-4.3	144.1	19	-207.6
0	-4.2	146.2	2	-207.3
1641	-3.5	148.2	19	-207.6
0	-3.4	150.3	0	-207.9
1642			18	
0			9	
1643			18	
0			7	
1644			18	
0			5	
1645			18	

1669	-3.5	152.4	135	-207.9
0	-3.8	154.5	133	-207.9
1670	-3.1	156.6	131	-207.9
0	-2.4	158.6	129	-207.6
1671	-2.4	160.7	127	-207.6
0	-2.3	162.8	125	-207.3
1672	-2.2	164.9	123	-207.1
0	-2.2	166.9	121	-206.3
1673	-1.8	169.0	118	-206.3
0	0.4	171.0	116	-205.7
1674	7.3	173.1	114	-203.3
0	10.6	175.1	112	-199.9
1675	8.3	177.1	110	-195.9
0	3.5	179.0	108	-192.7
1676	1.1	180.9	107	-191.1
0	1.9	182.8	105	-189.5
1677	5.2	184.7	103	-187.9
0	8.7	186.6	101	-185.0
1678	10.6	188.3	99	-162.3
0	-0.3	190.0	97	-169.8
1679	-3.8	191.3	96	-133.1
0	-19.3	192.5	95	-115.0
1680	-37.0	193.6	94	-109.1
0	-40.4	194.4	93	-85.4
1681	-24.5	195.2	92	-71.6
0	-4.5	195.8	92	-53.2
1682	0.7	196.3	91	-54.8
0	1.1	196.7	91	-37.8
1683	5.8	197.1	90	-35.4
0	8.0	197.4	90	-26.6
1684	6.4	197.7	90	-25.5
0	4.7	197.9	90	-21.8
1685	4.9	198.1	89	-20.7
0	7.1	198.3	89	-15.9
1686	11.1	198.4	89	-14.3
0	14.2	198.5	89	-9.0
1687	16.1	198.6	89	-4.2
0	17.1	198.6	89	0.2
1688	19.1	198.6	89	1.0
0	20.9	198.5	89	7.7
1689	21.6	198.4	89	11.9
0	21.0	198.3	89	16.2
1690	19.9	198.0	89	23.9
0	19.5	197.8	90	26.3
1691	20.1	197.4	90	38.0
0	20.6	197.0	90	44.1
1692	20.5	196.6	91	50.3
0	19.5	196.1	91	50.8
1693	18.8	195.5	92	50.5
0	18.8	194.9	93	67.3
1694	19.4	194.3	93	72.9
0	20.2	193.6	94	79.0
1695	20.6	192.8	95	84.6
0	20.5	192.0	95	82.2
1696				
0				
1697				
0				
1698				
0				
1699				

1723	20.2	191.2	96	79.0
0	19.5	190.3	97	83.5
1724	18.7	189.3	98	88.1
0	18.3	188.3	99	92.6
1725	18.4	187.2	100	107.5
0	19.3	186.0	101	112.6
1726	19.8	184.9	103	117.6
0	20.6	183.7	104	122.9
1727	20.6	182.4	105	128.5
0	19.1	181.1	106	134.1
1728	17.8	179.7	108	139.2
0	17.1	178.2	109	143.7
1729	16.7	176.8	111	148.2
0	16.4	175.3	112	152.5
1730	16.0	173.7	114	156.2
0	14.8	172.1	115	160.5
1731	13.2	170.5	117	163.7
0	12.6	168.8	119	166.9
1732	12.9	167.1	120	170.1
0	12.7	165.4	122	173.0
1733	12.1	163.7	124	175.9
0	10.7	161.9	126	178.9
1734	9.6	160.1	127	181.0
0	8.7	158.2	129	182.8
1735	8.3	156.4	131	184.7
0	8.7	154.5	133	186.0
1736	9.5	152.7	135	188.2
0	10.3	150.8	137	189.8
1737	9.5	148.9	139	192.2
0	8.0	146.9	141	193.8
1738	6.4	145.0	142	195.4
0	6.1	143.0	144	196.2
1739	6.6	141.0	146	197.0
0	7.1	139.1	148	198.0
1740	6.6	137.1	150	199.4
0	5.6	135.1	152	200.1
1741	4.3	133.1	154	200.9
0	3.4	131.1	156	200.9
1742	3.3	129.0	158	200.9
0	3.4	127.0	160	201.2
1743	3.1	125.0	162	201.2
0	3.1	123.0	164	201.2
1744	2.8	121.0	166	201.2
0	2.7	119.0	168	200.7
1745	2.7	117.0	170	200.9
0	3.0	115.0	172	200.7
1746	3.0	113.0	174	200.7
0	3.1	111.0	176	200.4
1747	3.0	109.0	178	200.4
0	2.8	106.9	181	200.4
1748	2.8	104.9	183	200.4
0	2.7	102.9	185	200.1
1749	2.6	100.9	187	200.1
0	2.3	98.9	189	199.9
1750				
0				
1751				
0				
1752				
0				
1753				

1777	2.2	96.9	19	199.6
0	2.0	94.9	1	199.4
1778	1.9	93.0	19	198.8
0	1.9	91.0	3	198.6
1779	1.6	89.0	19	198.0
0	-0.9	87.0	4	197.2
1780	-5.6	85.0	19	195.6
0	-6.4	83.1	6	193.2
1781	-2.8	81.2	19	190.8
0	1.2	79.3	8	189.5
1782	1.5	77.4	20	189.0
0	-1.8	75.5	0	188.2
1783	-5.0	73.7	20	186.3
0	-5.7	71.8	2	183.9
1784	-3.7	70.0	20	181.2
0	-2.4	68.2	4	179.4
1785	-2.4	66.4	20	193.5
0	2.7	64.9	6	154.6
1786	8.7	63.4	20	145.6
0	25.5	62.3	8	115.0
1787	36.3	61.3	21	99.5
0	33.9	60.4	0	93.1
1788	22.4	59.6	21	72.1
0	10.7	59.0	2	60.4
1789	5.7	58.5	21	51.3
0	6.9	58.0	4	43.6
1790	7.3	57.6	21	37.5
0	2.6	57.3	6	34.8
1791	-0.5	57.0	21	24.2
0	-0.9	56.8	7	23.1
1792	-10.4	56.6	21	18.9
0	-17.5	56.4	9	13.0
1793	-15.2	56.3	22	10.1
0	-9.6	56.3	1	5.8
1794	-7.9	56.2	22	3.1
0	-11.9	56.2	3	1.0
1795	-18.7	56.2	22	-1.5
0	-25.0	56.3	4	-6.3
1796	-26.8	56.4	22	-13.3
0	-23.6	56.5	5	-21.2
1797	-20.7	56.8	22	-25.5
0	-17.9	57.1	6	-27.9
1798	-15.9	57.4	22	-32.2
0	-15.3	57.8	7	-39.9
1799	-16.0	58.2	22	-48.7
0	-17.4	58.7	8	-48.4
1800	-19.1	59.2	22	-47.6
0	-20.2	59.8	8	-63.8
1801	-21.0	60.4	22	-63.3
0	-20.6	61.1	9	-62.0
1802	-19.4	61.8	22	-67.0
0	-17.0	62.6	9	-72.4
1803	-14.5	63.4	23	-75.3
0	-13.2	64.3	0	-78.8
1804			23	
0			0	
1805			23	
0			0	
1806			23	
0			1	
1807			22	

1831	-14.0	65.2	22	-81.4
0	-15.7	66.2	2	-94.5
1832	-16.8	67.1	22	-108.0
0	-17.1	68.2	1	-102.4
1833	-16.8	69.2	22	-107.5
0	-16.4	70.3	0	-111.8
1834	-16.1	71.5	21	-116.3
0	-16.1	72.7	9	-120.5
1835	-15.9	73.9	21	-124.5
0	-15.6	75.2	8	-128.8
1836	-15.9	76.5	21	-132.5
0	-16.3	77.9	7	-136.8
1837	-15.7	79.3	21	-140.8
0	-14.1	80.7	6	-144.8
1838	-12.6	82.2	21	-148.0
0	-12.2	83.7	5	-151.4
1839	-12.9	85.2	21	-154.1
0	-14.1	86.8	4	-157.3
1840	-14.2	88.4	21	-160.7
0	-13.4	90.0	2	-163.9
1841	-11.9	91.7	21	-167.1
0	-11.1	93.4	1	-170.1
1842	-11.9	95.1	21	-172.5
0	-13.7	96.8	0	-175.4
1843	-14.2	98.6	20	-178.6
0	-12.5	100.4	8	-181.5
1844	-10.2	102.3	20	-184.4
0	-8.7	104.1	7	-186.6
1845	-10.0	106.0	20	-188.2
0	-13.2	107.9	5	-190.8
1846	-14.2	109.8	20	-193.8
0	-13.0	111.8	4	-197.2
1847	-11.4	113.8	20	-200.1
0	-10.8	115.8	2	-202.5
1848	-11.3	117.9	20	-204.9
0	-11.9	119.9	1	-207.1
1849	-11.9	122.0	19	-209.5
0	-11.8	124.1	9	-212.1
1850	-11.4	126.3	19	-215.1
0	-10.8	128.4	7	-217.5
1851	-10.0	130.6	19	-219.3
0	-10.2	132.8	6	-221.2
1852	-11.3	135.1	19	-223.0
0	-11.3	137.3	4	-225.4
1853	-9.6	139.6	19	-227.8
0	-8.1	141.9	2	-229.4
1854	-8.3	144.2	19	-231.0
0	-8.5	146.5	1	-232.4
1855	-7.3	148.8	18	-233.4
0	-6.2	151.2	9	-234.2
1856	-4.6	153.5	18	-235.0
0	-2.8	155.9	7	-235.0
1857	-2.3	158.2	18	-234.8
0	-2.4	160.6	5	-234.5
1858			18	
0			3	
1859			18	
0			1	
1860			18	
0			0	
1861			17	

1885	-2.3	162.9	125	-234.0
0	-1.9	165.2	122	-233.4
1886	1.8	167.6	120	-232.4
0	8.0	169.9	118	-230.0
1887	10.7	172.1	115	-226.2
0	7.3	174.4	113	-222.5
1888	1.9	176.6	111	-219.6
0	-0.5	178.8	109	-218.0
1889	2.7	180.9	107	-216.9
0	8.9	183.1	104	-214.0
1890	13.4	185.2	102	-210.0
0	14.9	187.3	100	-205.2
1891	9.8	189.1	98	-190.3
0	-3.9	190.8	97	-143.2
1892	-18.8	192.2	95	-134.4
0	-38.9	193.4	94	-113.9
1893	-42.3	194.4	93	-86.2
0	-29.7	195.2	92	-80.1
1894	-9.9	196.0	91	-71.6
0	1.5	196.5	91	-53.2
1895	0.5	197.0	90	-39.6
0	6.1	197.4	90	-39.9
1896	9.4	197.7	90	-29.8
0	7.5	197.9	90	-24.4
1897	5.2	198.1	89	-22.8
0	3.5	198.3	89	-17.8
1898	5.2	198.5	89	-14.9
0	8.7	198.6	89	-10.3
1899	13.3	198.7	89	-9.5
0	16.1	198.8	89	-4.5
1900	17.2	198.8	89	0.2
0	19.0	198.7	89	1.5
1901	20.1	198.7	89	7.9
0	21.2	198.6	89	13.5
1902	21.8	198.4	89	19.9
0	22.4	198.2	89	23.9
1903	22.5	197.9	90	26.8
0	22.4	197.6	90	32.7
1904	21.3	197.1	90	46.5
0	20.5	196.7	91	48.1
1905	20.3	196.2	91	48.1
0	20.7	195.6	92	52.9
1906	21.4	194.9	93	71.0
0	22.1	194.2	93	76.9
1907	22.6	193.5	94	84.1
0	22.6	192.7	95	81.9
1908	22.0	191.9	96	79.3
0	20.9	190.9	97	103.5
1909	19.5	190.0	97	99.0
0	18.3	188.9	99	93.9
1910	18.4	187.9	100	97.9
0	18.2	186.7	101	113.6
1911	17.6	185.5	102	118.7
0	17.4	184.3	103	122.9
1912				
0				
1913				
0				
1914				
0				
1915				

1939	17.2	183.0	10	127.7
0	17.4	181.7	4	132.3
1940	16.8	180.3	10	136.5
0	15.7	178.9	6	140.8
1941	15.7	177.5	10	145.0
0	15.3	176.0	7	149.0
1942	14.5	174.5	10	152.5
0	13.8	173.0	9	156.2
1943	12.9	171.4	11	159.4
0	12.6	169.8	0	162.6
1944	13.3	168.1	11	165.3
0	13.2	166.4	1	168.7
1945	12.6	164.7	11	171.7
0	11.7	163.0	3	174.6
1946	10.7	161.2	11	177.0
0	10.3	159.4	4	179.4
1947	10.2	157.6	11	181.8
0	10.0	155.8	6	183.9
1948	10.6	153.9	11	186.0
0	11.0	152.0	8	188.2
1949	11.0	150.1	11	190.6
0	9.8	148.2	9	193.0
1950	8.1	146.3	12	195.1
0	6.8	144.3	1	196.4
1951	7.2	142.3	12	197.2
0	8.4	140.4	3	198.8
1952	8.9	138.4	12	200.4
0	8.7	136.3	4	201.7
1953	7.6	134.3	12	203.6
0	6.9	132.3	6	204.7
1954	6.4	130.2	12	205.5
0	6.8	128.1	8	206.8
1955	6.6	126.1	13	207.6
0	6.4	124.0	0	208.4
1956	5.4	121.9	13	209.2
0	4.5	119.8	2	209.7
1957	4.3	117.7	13	210.3
0	4.9	115.6	4	210.5
1958	5.6	113.5	13	211.1
0	5.6	111.4	5	211.9
1959	5.0	109.3	13	212.1
0	4.5	107.1	7	212.9
1960	4.3	105.0	13	212.9
0	4.1	102.9	9	213.5
1961	3.5	100.7	14	213.2
0	2.7	98.6	1	213.2
1962	2.4	96.5	14	213.2
0	2.0	94.3	3	212.9
1963	1.9	92.2	14	212.9
0	1.8	90.1	5	212.1
1964	0.4	88.0	14	211.3
0	-4.5	85.9	7	210.0
1965	-8.1	83.8	14	207.1
0	-6.0	81.7	9	203.6
1966			15	
0			1	
1967			15	
0			3	
1968			15	
0			5	
1969			15	

1993	-1.4	79.7	20	201.2
0	0.0	77.7	8	200.1
1994	-3.0	75.7	21	198.8
0	-7.1	73.7	0	196.4
1995	-8.4	71.8	21	193.2
0	-6.2	69.9	2	190.0
1996	-4.1	68.0	21	187.4
0	-3.3	66.2	4	200.4
1997	2.8	64.6	21	157.6
0	9.1	63.2	6	120.3
1998	23.3	62.0	21	115.0
0	26.6	61.0	8	107.5
1999	25.5	60.1	21	83.3
0	19.1	59.4	9	70.2
2000	11.4	58.8	22	59.1
0	5.4	58.3	1	49.5
2001	2.4	57.8	22	41.5
0	-0.4	57.5	3	31.4
2002	-0.1	57.1	22	29.8
0	-1.5	56.9	4	25.2
2003	-11.7	56.7	22	20.4
0	-19.0	56.5	5	13.8
2004	-17.6	56.4	22	10.9
0	-13.0	56.3	6	5.3
2005	-9.9	56.3	22	1.8
0	-12.2	56.3	7	-0.5
2006	-18.4	56.3	22	-2.3
0	-22.4	56.4	8	-7.9
2007	-22.4	56.5	22	-14.3
0	-18.4	56.7	9	-20.4
2008	-14.8	56.9	22	-25.8
0	-14.9	57.1	9	-29.8
2009	-17.4	57.4	23	-31.4
0	-19.4	57.8	0	-32.7
2010	-19.1	58.2	23	-45.7
0	-17.5	58.7	0	-51.3
2011	-16.5	59.1	23	-51.1
0	-17.5	59.7	0	-50.0
2012	-19.1	60.3	23	-66.5
0	-20.5	60.9	1	-65.4
2013	-19.9	61.6	23	-63.8
0	-18.4	62.4	1	-68.1
2014	-16.5	63.2	23	-88.6
0	-15.9	64.0	1	-93.7
2015	-17.2	64.9	23	-97.9
0	-18.6	65.8	1	-103.2
2016	-18.8	66.8	23	-108.6
0	-18.3	67.8	1	-113.6
2017	-17.6	68.9	23	-108.3
0	-17.2	70.0	1	-113.1
2018	-17.2	71.2	23	-117.4
0	-17.4	72.4	1	-122.4
2019	-17.1	73.7	23	-126.4
0	-16.5	75.0	1	-131.2
2020			23	
0			1	
2021			23	
0			1	
2022			23	
0			1	
2023			23	

2047	-16.3	76.3	21	-134.9
0	-17.4	77.7	1	-139.7
2048	-18.3	79.1	21	-144.0
0	-19.1	80.6	0	-148.8
2049	-18.0	82.1	20	-153.6
0	-16.1	83.7	8	-158.1
2050	-14.5	85.3	20	-162.3
0	-14.8	87.0	7	-165.5
2051	-16.7	88.6	20	-169.5
0	-18.0	90.4	5	-173.3
2052	-17.1	92.1	20	-177.8
0	-14.5	93.9	4	-182.0
2053	-12.9	95.8	20	-185.0
0	-13.4	97.7	2	-188.2
2054	-14.8	99.6	20	-191.4
0	-15.3	101.5	0	-194.8
2055	-13.8	103.5	19	-198.3
0	-12.5	105.5	9	-201.2
2056	-12.1	107.5	19	-203.9
0	-11.8	109.6	7	-206.5
2057	-11.1	111.7	19	-208.9
0	-10.8	113.8	5	-211.1
2058	-10.8	115.9	19	-213.5
0	-10.3	118.0	4	-215.3
2059	-8.8	120.2	19	-217.5
0	-7.5	122.4	2	-218.5
2060	-7.1	124.6	19	-220.1
0	-7.6	126.8	0	-221.2
2061	-6.9	129.0	18	-222.5
0	-5.8	131.3	8	-223.3
2062	-4.9	133.5	18	-224.1
0	-4.1	135.7	6	-224.1
2063	-3.5	138.0	18	-224.1
0	-3.4	140.2	4	-224.1
2064	-3.9	142.5	18	-224.4
0	-4.9	144.7	2	-224.6
2065	-4.5	147.0	18	-224.9
0	-3.3	149.2	0	-224.9
2066	-2.8	151.5	17	-224.9
0	-2.4	153.7	8	-224.4
2067	-2.3	156.0	17	-224.1
0	-2.2	158.2	6	-224.1
2068	-2.2	160.4	17	-223.6
0	-0.5	162.7	4	-222.8
2069	3.1	164.9	17	-221.4
0	5.8	167.1	2	-219.1
2070	5.2	169.2	16	-215.9
0	2.4	171.4	9	-214.0
2071	0.5	173.5	16	-212.4
0	-0.1	175.6	7	-211.6
2072	2.7	177.7	16	-210.0
0	9.1	179.8	5	-207.6
2073	12.3	181.9	16	-203.6
0	9.5	183.9	3	-199.1
2074			16	
0			1	
2075			15	
0			8	
2076			15	
0			6	
2077			15	

2101	3.7	185.8	102	-195.9
0	0.9	187.7	100	-174.9
2102	-3.1	189.5	98	-157.3
0	-3.9	191.1	96	-147.7
2103	-22.2	192.4	95	-137.6
0	-39.7	193.5	94	-107.2
2104	-45.0	194.4	93	-91.5
0	-33.0	195.2	92	-76.4
2105	-12.5	195.9	92	-55.9
0	0.3	196.4	91	-51.3
2106	-0.1	196.9	91	-47.3
0	0.0	197.3	90	-36.4
2107	0.0	197.6	90	-30.3
0	0.0	197.8	90	-22.8
2108	2.0	198.1	89	-21.5
0	4.5	198.3	89	-15.9
2109	7.9	198.4	89	-14.6
0	9.9	198.5	89	-10.1
2110	11.0	198.6	89	-9.3
0	10.4	198.7	89	-5.3
2111	10.3	198.7	89	-2.1
0	12.3	198.7	89	0.5
2112	17.4	198.7	89	1.3
0	20.9	198.7	89	6.3
2113	21.2	198.6	89	10.9
0	17.9	198.4	89	15.9
2114	13.6	198.2	89	24.4
0	11.9	197.9	90	26.0
2115	13.8	197.7	90	26.3
0	18.3	197.3	90	36.7
2116	21.8	196.9	91	42.3
0	22.0	196.5	91	44.1
2117	19.0	196.1	91	44.7
0	15.2	195.5	92	60.1
2118	14.2	194.9	93	58.8
0	16.4	194.3	93	56.4
2119	20.5	193.7	94	61.4
0	22.5	193.0	94	65.2
2120	21.7	192.2	95	71.8
0	19.3	191.4	96	76.1
2121	16.8	190.4	97	97.9
0	16.7	189.5	98	103.0
2122	18.7	188.5	99	107.8
0	22.1	187.5	100	113.1
2123	22.2	186.4	101	108.8
0	20.1	185.3	102	114.7
2124	16.7	184.1	103	119.8
0	14.8	182.9	105	124.3
2125	15.2	181.6	106	128.3
0	17.0	180.3	107	132.0
2126	18.8	178.9	109	136.5
0	19.5	177.5	110	141.3
2127	17.6	176.1	111	146.4
0	14.6	174.6	113	150.9
2128				
0				
2129				
0				
2130				
0				
2131				

2155	12.5	173.1	11	154.4
0	11.9	171.5	4	157.3
2156	13.3	169.9	11	160.5
0	15.5	168.3	6	163.4
2157	15.3	166.6	11	167.4
0	12.9	164.9	8	170.9
2158	9.8	163.2	11	173.5
0	8.1	161.4	9	175.9
2159	8.9	159.7	12	177.5
0	10.4	157.9	1	179.4
2160	11.1	156.1	12	181.8
0	10.6	154.2	3	183.9
2161	8.8	152.4	12	186.0
0	7.1	150.5	4	187.9
2162	6.1	148.6	12	189.2
0	6.5	146.7	6	190.3
2163	7.1	144.8	12	191.1
0	8.3	142.9	8	192.4
2164	8.5	140.9	13	194.0
0	7.3	139.0	0	195.6
2165	5.8	137.0	13	196.7
0	5.3	135.0	1	197.5
2166	5.7	133.1	13	198.0
0	6.4	131.1	3	198.8
2167	6.8	129.1	13	199.6
0	6.2	127.1	5	200.7
2168	5.3	125.1	13	201.7
0	5.0	123.0	7	202.3
2169	5.0	121.0	13	202.8
0	5.3	119.0	9	203.1
2170	5.7	116.9	14	203.9
0	5.7	114.9	1	204.7
2171	4.5	112.8	14	205.5
0	3.0	110.8	3	205.5
2172	2.3	108.7	14	205.5
0	2.2	106.7	5	205.5
2173	2.2	104.6	14	204.9
0	2.0	102.6	7	204.7
2174	2.2	100.5	14	204.1
0	2.0	98.5	8	204.1
2175	2.0	96.4	15	203.6
0	1.9	94.4	0	203.3
2176	1.4	92.4	15	202.8
0	-0.9	90.4	2	202.0
2177	-3.1	88.3	15	200.4
0	-3.1	86.4	4	198.6
2178	-1.6	84.4	15	196.7
0	-0.7	82.4	6	195.4
2179	-0.5	80.5	15	194.0
0	-1.6	78.6	8	193.0
2180	-3.8	76.6	16	191.4
0	-5.2	74.7	0	189.5
2181	-4.5	72.9	16	187.1
0	-2.6	71.0	2	185.0
2182			16	
0			4	
2183			16	
0			6	
2184			16	
0			8	
2185			17	

2209	-2.3	69.2	21	183.4
0	-4.3	67.3	8	181.5
2210	-2.6	65.7	22	152.2
0	2.7	64.2	0	146.1
2211	17.1	62.9	22	112.3
0	36.2	61.8	2	108.0
2212	41.5	60.8	22	92.3
0	30.0	60.0	3	78.5
2213	14.5	59.3	22	59.1
0	3.7	58.7	5	55.3
2214	2.8	58.2	22	46.5
0	6.0	57.8	6	40.1
2215	6.0	57.4	22	30.8
0	0.5	57.1	7	29.0
2216	-0.3	56.9	22	24.4
0	-1.5	56.7	7	20.7
2217	-11.1	56.5	22	18.3
0	-18.0	56.3	8	11.9
2218	-15.5	56.3	22	6.3
0	-10.0	56.2	9	3.7
2219	-8.8	56.2	22	0.7
0	-13.7	56.2	9	-0.7
2220	-19.4	56.2	23	-3.7
0	-21.6	56.3	0	-9.5
2221	-20.9	56.5	23	-16.2
0	-16.5	56.6	0	-21.8
2222	-12.3	56.9	23	-24.2
0	-12.7	57.1	0	-24.4
2223	-16.4	57.4	23	-34.3
0	-19.5	57.8	1	-35.6
2224	-19.5	58.2	23	-36.7
0	-17.6	58.6	1	-42.3
2225	-15.7	59.1	23	-45.5
0	-15.9	59.6	1	-49.2
2226	-16.8	60.2	23	-64.9
0	-17.5	60.8	1	-63.3
2227	-16.7	61.5	23	-61.2
0	-15.3	62.2	1	-65.2
2228	-14.2	63.0	23	-68.6
0	-14.5	63.8	1	-72.1
2229	-16.3	64.6	23	-92.1
0	-18.0	65.5	1	-95.3
2230	-18.3	66.4	23	-101.9
0	-18.0	67.4	1	-107.0
2231	-18.2	68.4	23	-102.2
0	-19.0	69.5	1	-107.2
2232	-19.9	70.6	23	-112.3
0	-19.7	71.7	1	-117.6
2233	-17.2	72.9	23	-122.4
0	-14.2	74.2	1	-126.9
2234	-12.6	75.5	23	-130.7
0	-13.4	76.8	1	-133.6
2235	-15.9	78.2	23	-137.1
0	-17.2	79.6	1	-141.3
2236			23	
0			0	
2237			23	
0			0	
2238			23	
0			0	
2239			23	

2263	-16.1	81.0	206	-145.3
0	-12.9	82.5	205	-149.3
2264	-10.4	84.0	203	-152.5
0	-10.2	85.6	202	-155.2
2265	-12.2	87.2	200	-157.3
0	-14.8	88.7	199	-160.5
2266	-15.2	90.4	197	-163.9
0	-13.2	92.0	195	-167.4
2267	-11.0	93.7	194	-170.6
0	-11.0	95.5	192	-172.7
2268	-13.4	97.2	190	-175.1
0	-14.6	99.0	188	-178.6
2269	-13.3	100.8	187	-181.8
0	-10.8	102.6	185	-185.0
2270	-9.2	104.5	183	-187.1
0	-10.7	106.4	181	-188.7
2271	-13.4	108.3	179	-191.4
0	-13.8	110.2	177	-194.3
2272	-12.3	112.2	175	-197.5
0	-10.2	114.2	173	-200.1
2273	-9.5	116.2	171	-202.3
0	-9.9	118.3	169	-204.1
2274	-10.8	120.3	167	-206.0
0	-11.4	122.4	165	-207.9
2275	-11.8	124.5	163	-210.3
0	-12.1	126.6	161	-212.9
2276	-11.8	128.8	159	-215.9
0	-11.1	130.9	157	-218.3
2277	-11.1	133.1	154	-220.4
0	-11.5	135.4	152	-222.2
2278	-10.7	137.6	150	-224.9
0	-9.2	139.9	148	-227.0
2279	-8.7	142.1	145	-228.4
0	-9.8	144.4	143	-230.5
2280	-9.9	146.8	141	-232.4
0	-9.2	149.1	138	-233.7
2281	-9.1	151.4	136	-235.6
0	-8.8	153.8	134	-236.6
2282	-6.8	156.2	131	-238.0
0	-4.3	158.6	129	-238.5
2283	-4.2	161.0	126	-239.0
0	-4.5	163.3	124	-239.0
2284	-4.5	165.7	122	-239.3
0	-3.7	168.1	119	-239.3
2285	-2.8	170.5	117	-239.3
0	-2.4	172.9	115	-238.8
2286	-2.2	175.3	112	-238.5
0	-2.3	177.7	110	-238.2
2287	-1.9	180.1	107	-237.4
0	2.2	182.4	105	-236.6
2288	8.1	184.8	103	-234.5
0	9.2	187.1	100	-230.8
2289	2.0	189.2	98	-194.6
0	-5.0	191.1	96	-178.6
2290				
0				
2291				
0				
2292				
0				
2293				

2317	-32.4	192.7	95	-161.8
0	-65.1	193.9	94	-123.7
2318	-76.3	195.0	92	-102.2
0	-54.8	195.9	92	-89.7
2319	-26.3	196.6	91	-64.1
0	0.8	197.1	90	-49.5
2320	0.1	197.5	90	-39.9
0	0.0	197.9	90	-35.6
2321	-1.1	198.1	89	-26.6
0	-1.2	198.4	89	-21.8
2322	-0.4	198.6	89	-17.8
0	-0.4	198.7	89	-14.6
2323	1.8	198.8	89	-10.6
0	9.5	198.9	89	-9.0
2324	15.1	199.0	88	-4.7
0	17.8	199.0	88	0.0
2325	20.1	199.0	88	1.3
0	19.1	198.9	89	6.3
2326	16.5	198.8	89	10.6
0	15.5	198.7	89	14.3
2327	18.0	198.5	89	18.6
0	22.8	198.2	89	23.1
2328	25.6	197.9	90	35.6
0	23.6	197.6	90	38.8
2329	17.9	197.1	90	40.7
0	12.3	196.6	91	54.8
2330	11.3	196.1	91	52.9
0	14.6	195.6	92	50.5
2331	20.3	194.9	93	66.5
0	22.9	194.3	93	72.1
2332	21.2	193.6	94	71.6
0	16.5	192.9	95	69.2
2333	12.7	192.0	95	89.1
0	12.5	191.2	96	92.9
2334	15.3	190.3	97	96.1
0	18.6	189.4	98	100.8
2335	19.8	188.5	99	106.2
0	17.9	187.5	100	111.5
2336	13.7	186.4	101	106.2
0	11.9	185.3	102	109.6
2337	13.7	184.2	103	112.6
0	17.4	183.0	104	116.6
2338	19.7	181.8	106	120.8
0	18.0	180.6	107	126.1
2339	14.0	179.3	108	130.7
0	10.4	178.0	109	134.1
2340	9.8	176.6	111	136.5
0	11.7	175.2	112	139.2
2341	15.3	173.8	114	142.1
0	17.0	172.3	115	145.8
2342	15.1	170.9	117	150.1
0	11.8	169.3	118	153.8
2343	9.6	167.8	120	156.5
0	9.1	166.2	121	158.9
2344				
0				
2345				
0				
2346				
0				
2347				

2371	10.3	164.6	12	160.5
0	11.8	163.0	3	162.9
2372	12.1	161.3	12	165.5
0	10.7	159.6	4	168.2
2373	8.9	157.9	12	170.6
0	7.9	156.2	6	172.5
2374	8.7	154.5	12	174.1
0	10.4	152.7	8	175.9
2375	11.7	150.9	13	178.3
0	10.8	149.1	0	180.7
2376	8.3	147.3	13	183.1
0	5.7	145.5	1	184.7
2377	4.9	143.6	13	185.5
0	7.2	141.8	3	185.8
2378	9.8	139.9	13	187.4
0	10.4	138.0	5	189.5
2379	9.1	136.1	13	191.6
0	6.6	134.2	7	193.5
2380	5.6	132.2	13	194.6
0	5.6	130.3	8	195.1
2381	6.8	128.3	14	195.9
0	7.6	126.3	0	197.0
2382	6.9	124.4	14	198.3
0	5.7	122.4	2	199.4
2383	4.5	120.4	14	199.6
0	4.1	118.4	4	200.1
2384	4.7	116.4	14	200.7
0	5.7	114.3	6	201.2
2385	5.8	112.3	14	201.7
0	4.9	110.3	8	202.5
2386	3.3	108.3	14	202.5
0	2.6	106.3	9	202.8
2387	2.6	104.2	15	202.8
0	2.6	102.2	1	202.5
2388	2.7	100.2	15	202.3
0	3.0	98.2	3	202.0
2389	3.4	96.1	15	202.3
0	3.3	94.1	5	202.0
2390	2.7	92.1	15	202.3
0	2.3	90.1	7	202.0
2391	2.0	88.1	15	201.5
0	2.0	86.0	9	201.2
2392	1.8	84.0	16	201.2
0	1.5	82.0	1	200.4
2393	-1.5	80.0	16	199.6
0	-5.8	78.0	3	198.0
2394	-6.8	76.1	16	195.1
0	-4.1	74.1	5	192.4
2395	-1.2	72.2	16	190.6
0	-0.1	70.3	7	189.5
2396	-3.0	68.5	16	188.2
0	-6.8	66.7	9	166.9
2397	0.9	64.9	17	178.6
0	5.6	63.5	1	139.2
2398			17	
0			3	
2399			17	
0			5	
2400			17	
0			7	
2401			17	

2425	26.8	62.2	22	130.9
0	37.2	61.2	5	103.0
2426	34.2	60.3	22	87.0
0	17.2	59.5	6	72.9
2427	4.1	58.9	22	60.6
0	0.0	58.4	7	55.6
2428	5.8	57.9	22	38.8
0	10.0	57.5	8	37.0
2429	7.6	57.2	22	31.4
0	-0.7	56.9	9	26.0
2430	-0.7	56.7	22	19.9
0	-8.4	56.5	9	18.3
2431	-17.6	56.4	23	15.1
0	-19.4	56.3	0	8.2
2432	-13.4	56.2	23	3.7
0	-10.3	56.2	0	0.2
2433	-13.2	56.2	23	-0.7
0	-21.0	56.3	0	-4.2
2434	-24.8	56.3	23	-9.8
0	-23.7	56.5	1	-18.3
2435	-18.4	56.7	23	-22.3
0	-12.5	57.0	1	-24.2
2436	-10.7	57.3	23	-30.3
0	-14.0	57.6	1	-37.0
2437	-18.6	57.9	23	-37.5
0	-21.0	58.4	1	-38.3
2438	-20.1	58.8	23	-52.7
0	-18.0	59.3	1	-52.9
2439	-17.2	59.9	23	-52.1
0	-18.2	60.5	1	-68.9
2440	-18.6	61.2	23	-67.3
0	-18.2	61.9	1	-64.9
2441	-16.5	62.6	23	-68.9
0	-14.8	63.4	1	-72.9
2442	-14.6	64.3	23	-76.4
0	-16.4	65.2	1	-79.6
2443	-18.2	66.1	23	-102.2
0	-18.2	67.1	1	-107.5
2444	-17.2	68.1	23	-102.2
0	-17.1	69.1	1	-107.0
2445	-17.9	70.3	23	-111.5
0	-19.5	71.4	1	-116.3
2446	-19.8	72.6	23	-121.6
0	-17.6	73.9	0	-126.4
2447	-14.5	75.2	23	-131.5
0	-13.4	76.5	0	-134.9
2448	-15.7	77.9	23	-138.4
0	-19.7	79.3	0	-142.1
2449	-22.2	80.8	23	-147.7
0	-21.2	82.3	0	-153.6
2450	-18.8	83.9	22	-158.9
0	-18.2	85.5	9	-163.7
2451	-20.7	87.1	22	-168.5
0	-24.0	88.9	9	-174.1
2452			22	
0			8	
2453			22	
0			8	
2454			22	
0			7	
2455			22	

2479	-25.1	90.7	197	-180.4
0	-23.1	92.5	195	-186.6
2480	-19.8	94.4	193	-192.4
0	-19.3	96.4	191	-197.2
2481	-21.7	98.4	189	-202.0
0	-25.0	100.5	187	-207.6
2482	-26.4	102.6	185	-214.3
0	-25.8	104.8	183	-221.2
2483	-25.1	107.0	180	-227.0
0	-24.8	109.4	178	-233.4
2484	-24.5	111.7	176	-239.6
0	-25.4	114.2	173	-245.7
2485	-26.6	116.7	171	-252.1
0	-26.3	119.3	168	-258.5
2486	-23.5	121.9	166	-265.1
0	-21.3	124.6	163	-270.7
2487	-20.9	127.3	160	-275.5
0	-20.9	130.1	157	-280.3
2488	-20.6	133.0	154	-285.3
0	-19.0	135.9	152	-290.4
2489	-16.8	138.8	149	-291.2
0	-16.1	141.7	146	-291.2
2490	-17.5	144.6	143	-291.7
0	-17.1	147.5	140	-291.7
2491	-15.3	150.4	137	-291.5
0	-11.9	153.3	134	-291.2
2492	-6.9	156.2	131	-290.4
0	-2.6	159.1	128	-289.9
2493	-2.7	162.0	125	-289.6
0	-2.4	164.9	123	-288.5
2494	0.3	167.8	120	-288.0
0	7.1	170.7	117	-285.3
2495	12.1	173.5	114	-281.3
0	10.3	176.3	111	-276.6
2496	6.1	179.0	108	-272.8
0	3.9	181.7	106	-269.4
2497	4.2	184.4	103	-267.2
0	6.1	187.0	100	-264.6
2498	5.4	189.6	98	-273.1
0	-4.2	191.6	96	-198.3
2499	-34.8	193.3	94	-158.4
0	-73.0	194.7	93	-126.1
2500	-87.1	195.7	92	-102.2
0	-67.0	196.5	91	-79.6
2501	-29.2	197.2	90	-65.4
0	1.8	197.7	90	-43.9
2502	4.5	198.0	89	-33.8
0	8.3	198.3	89	-23.1
2503	4.5	198.5	89	-19.9
0	-1.6	198.7	89	-18.1
2504	-1.1	198.8	89	-13.8
0	-0.5	199.0	88	-11.4
2505	0.0	199.0	88	-8.5
0	5.4	199.1	88	-6.9
2506				
0				
2507				
0				
2508				
0				
2509				

2533	12.7	199.2	88	-3.7
0	15.1	199.2	88	0.5
2534	18.6	199.1	88	2.3
0	18.0	199.1	88	7.9
2535	14.8	199.0	88	11.1
0	13.0	198.8	89	15.1
2536	14.2	198.6	89	18.3
0	17.8	198.4	89	21.8
2537	20.2	198.1	89	26.3
0	19.8	197.8	90	38.0
2538	17.4	197.4	90	39.6
0	14.6	197.0	90	39.6
2539	14.0	196.5	91	52.9
0	16.3	196.0	91	51.9
2540	19.8	195.4	92	56.4
0	21.3	194.8	93	55.6
2541	19.9	194.1	93	74.2
0	17.0	193.4	94	72.4
2542	14.8	192.7	95	68.9
0	14.6	191.9	96	88.6
2543	16.4	191.0	96	92.9
0	18.3	190.1	97	97.4
2544	19.5	189.2	98	102.7
0	19.0	188.2	99	108.3
2545	17.5	187.2	100	113.4
0	16.4	186.2	101	108.0
2546	15.6	185.0	102	112.3
0	16.1	183.9	104	116.6
2547	17.0	182.7	105	121.1
0	16.5	181.5	106	125.1
2548	14.5	180.2	107	129.6
0	12.7	178.8	109	133.1
2549	12.5	177.5	110	136.5
0	12.7	176.1	111	139.2
2550	14.1	174.7	113	142.6
0	14.5	173.2	114	146.1
2551	13.6	171.7	116	149.6
0	10.8	170.2	117	152.5
2552	9.1	168.7	119	154.9
0	8.8	167.1	120	157.3
2553	9.4	165.5	122	159.2
0	10.6	163.9	124	161.3
2554	10.6	162.3	125	163.7
0	9.9	160.6	127	165.8
2555	9.1	159.0	128	168.2
0	7.9	157.3	130	169.8
2556	7.9	155.5	132	171.4
0	8.4	153.8	134	173.0
2557	9.4	152.1	135	174.3
0	9.1	150.3	137	176.2
2558	7.6	148.5	139	178.3
0	6.2	146.7	141	179.9
2559	5.3	144.9	143	180.7
0	6.0	143.1	144	181.5
2560				
0				
2561				
0				
2562				
0				
2563				

2587	8.3	141.3	14	182.6
0	9.5	139.5	6	184.2
2588	8.9	137.6	14	185.8
0	6.4	135.7	8	187.6
2589	4.3	133.9	15	188.7
0	3.9	132.0	0	189.2
2590	4.6	130.1	15	189.5
0	6.0	128.2	2	190.0
2591	6.2	126.3	15	190.8
0	5.7	124.3	4	191.9
2592	4.6	122.4	15	192.4
0	3.8	120.5	5	192.7
2593	3.8	118.6	15	193.0
0	4.3	116.6	7	193.2
2594	4.9	114.7	15	193.5
0	4.6	112.8	9	194.3
2595	3.5	110.8	16	194.3
0	2.4	108.9	1	194.6
2596	2.3	106.9	16	194.3
0	2.3	105.0	3	194.3
2597	2.3	103.0	16	193.8
0	2.3	101.1	5	193.8
2598	2.2	99.2	16	193.2
0	2.2	97.2	7	192.7
2599	2.0	95.3	16	193.0
0	1.9	93.4	9	192.7
2600	1.9	91.5	17	192.2
0	1.8	89.5	1	191.9
2601	1.6	87.6	17	191.4
0	0.0	85.7	3	191.1
2602	-4.3	83.8	17	189.2
0	-5.3	81.9	5	187.1
2603	-2.7	80.1	17	184.7
0	0.3	78.2	7	183.1
2604	0.1	76.4	17	182.3
0	-2.6	74.6	9	181.2
2605	-5.3	72.8	18	179.4
0	-5.3	71.0	1	177.3
2606	-3.8	69.3	18	174.9
0	-3.0	67.5	2	173.0
2607	-1.4	65.9	18	164.7
0	2.8	64.5	4	127.5
2608	13.0	63.2	18	122.7
0	30.4	62.1	6	107.0
2609	36.2	61.1	18	83.0
0	27.1	60.3	8	79.3
2610	13.4	59.6	19	67.0
0	3.5	59.0	0	57.2
2611	1.9	58.5	19	48.4
0	4.1	58.0	2	45.7
2612	3.5	57.7	19	36.2
0	-0.4	57.4	4	30.8
2613	-0.5	57.1	19	26.3
0	-2.0	56.8	6	20.4
2614			19	
0			8	
2615			20	
0			0	
2616			20	
0			2	
2617			20	

2641	-11.4	56.6	23	18.3
0	-18.6	56.5	1	13.8
2642	-17.2	56.4	23	7.7
0	-11.7	56.3	1	4.5
2643	-10.0	56.3	23	1.3
0	-15.9	56.3	1	-0.5
2644	-22.1	56.4	23	-5.0
0	-23.5	56.5	1	-10.9
2645	-20.6	56.6	23	-15.9
0	-15.2	56.8	1	-21.5
2646	-10.7	57.0	23	-22.8
0	-11.4	57.3	1	-31.4
2647	-15.2	57.6	23	-31.6
0	-19.5	58.0	1	-32.2
2648	-20.5	58.4	23	-45.2
0	-19.3	58.8	1	-46.5
2649	-17.2	59.3	23	-51.6
0	-16.7	59.9	1	-50.3
2650	-16.8	60.5	23	-54.5
0	-16.5	61.1	1	-71.6
2651	-16.4	61.8	23	-76.4
0	-16.0	62.6	0	-80.9
2652	-15.6	63.3	23	-77.7
0	-15.7	64.1	0	-73.7
2653	-16.5	64.9	23	-76.9
0	-17.2	65.8	0	-81.1
2654	-17.0	66.8	22	-85.1
0	-16.5	67.8	9	-98.7
2655	-16.8	68.8	22	-103.2
0	-17.0	69.9	9	-108.0
2656	-17.8	71.0	22	-112.3
0	-18.6	72.1	9	-117.4
2657	-18.3	73.4	22	-121.6
0	-17.4	74.6	8	-126.9
2658	-16.4	75.9	22	-131.2
0	-16.7	77.3	8	-135.5
2659	-17.6	78.6	22	-139.7
0	-18.4	80.1	7	-144.5
2660	-18.3	81.6	22	-149.0
0	-17.4	83.1	6	-154.1
2661	-17.0	84.7	22	-157.8
0	-17.4	86.3	6	-162.1
2662	-18.7	87.9	22	-166.9
0	-19.7	89.6	5	-171.7
2663	-19.5	91.4	22	-176.7
0	-17.6	93.2	4	-181.5
2664	-16.7	95.0	22	-185.5
0	-18.0	96.9	3	-190.0
2665	-19.9	98.9	22	-194.3
0	-20.5	100.8	3	-199.1
2666	-19.4	102.9	22	-204.4
0	-18.2	105.0	2	-209.2
2667	-18.8	107.1	22	-213.5
0	-20.3	109.2	1	-217.7
2668			22	
0			0	
2669			21	
0			9	
2670			21	
0			8	
2671			21	

2695	-20.9	111.5	176	-222.8
0	-21.0	113.7	174	-227.8
2696	-20.3	116.0	171	-232.9
0	-19.0	118.4	169	-237.7
2697	-17.5	120.8	167	-241.9
0	-17.5	123.3	164	-245.9
2698	-19.1	125.8	162	-249.9
0	-19.9	128.3	159	-253.9
2699	-18.4	130.9	157	-258.5
0	-16.4	133.5	154	-262.4
2700	-13.7	136.1	151	-266.2
0	-11.3	138.8	149	-268.8
2701	-10.3	141.5	146	-271.0
0	-11.7	144.2	143	-272.8
2702	-12.2	147.0	140	-275.0
0	-10.6	149.8	138	-276.6
2703	-7.5	152.5	135	-278.2
0	-3.3	155.3	132	-278.7
2704	-2.6	158.1	129	-278.4
0	-2.4	160.9	127	-278.2
2705	-0.5	163.7	124	-277.1
0	6.2	166.4	121	-275.2
2706	11.4	169.1	118	-271.2
0	12.5	171.8	116	-266.7
2707	8.5	174.5	113	-262.2
0	3.8	177.1	110	-258.7
2708	3.1	179.6	108	-256.3
0	7.2	182.2	105	-253.9
2709	11.8	184.7	103	-249.9
0	14.4	187.1	100	-244.9
2710	9.8	189.4	98	-208.7
0	-4.1	191.3	96	-185.2
2711	-30.0	192.9	95	-135.2
0	-61.2	194.2	93	-123.2
2712	-72.7	195.3	92	-100.6
0	-54.0	196.1	91	-71.6
2713	-21.2	196.8	91	-61.7
0	0.5	197.3	90	-51.6
2714	7.2	197.7	90	-37.0
0	12.6	198.0	89	-28.7
2715	9.2	198.2	89	-20.2
0	2.7	198.4	89	-18.9
2716	-0.7	198.6	89	-15.9
0	-0.8	198.7	89	-12.2
2717	4.2	198.9	89	-11.4
0	10.3	198.9	89	-6.9
2718	15.1	199.0	88	-3.4
0	20.5	199.0	88	0.7
2719	23.5	199.0	88	3.1
0	22.6	198.9	89	8.7
2720	19.7	198.7	89	13.8
0	16.8	198.5	89	18.9
2721	17.2	198.3	89	27.9
0	20.3	198.0	89	30.3
2722				
0				
2723				
0				
2724				
0				
2725				

2749	24.0	197.7	90	32.4
0	25.4	197.2	90	38.6
2750	22.6	196.7	91	54.3
0	18.3	196.2	91	55.1
2751	15.3	195.6	92	53.7
0	15.9	195.0	92	70.5
2752	19.8	194.3	93	75.3
0	23.9	193.6	94	81.7
2753	25.0	192.8	95	88.1
0	22.4	192.0	95	86.7
2754	18.7	191.1	96	83.5
0	15.9	190.1	97	106.7
2755	16.4	189.1	98	111.5
0	19.4	188.0	99	116.3
2756	22.9	186.9	101	112.6
0	22.9	185.8	102	117.4
2757	20.1	184.5	103	123.2
0	17.4	183.3	104	128.5
2758	16.5	181.9	106	133.1
0	17.0	180.6	107	137.3
2759	18.8	179.2	108	142.1
0	19.5	177.7	110	146.9
2760	17.9	176.2	111	151.7
0	14.5	174.7	113	156.2
2761	11.5	173.1	114	159.7
0	10.4	171.5	116	162.1
2762	11.8	169.8	118	164.7
0	15.3	168.1	119	167.7
2763	16.5	166.4	121	171.4
0	15.1	164.7	123	175.4
2764	11.5	162.9	125	178.9
0	8.4	161.1	126	181.2
2765	7.5	159.3	128	182.8
0	8.5	157.4	130	184.4
2766	10.6	155.6	132	186.0
0	11.9	153.7	134	188.4
2767	11.4	151.8	136	190.8
0	9.6	149.9	138	193.2
2768	8.0	147.9	140	195.1
0	7.2	146.0	141	196.4
2769	8.0	144.0	143	197.8
0	9.5	142.0	145	199.1
2770	10.0	140.0	147	200.7
0	8.0	138.0	149	202.8
2771	5.0	135.9	152	204.1
0	3.5	133.9	154	204.7
2772	3.9	131.8	156	204.7
0	5.6	129.8	158	204.9
2773	7.2	127.7	160	205.7
0	7.2	125.7	162	207.1
2774	6.4	123.6	164	208.1
0	4.5	121.5	166	208.9
2775	3.3	119.4	168	208.9
0	3.1	117.3	170	208.9
2776				
0				
2777				
0				
2778				
0				
2779				

2803	3.8	115.2	17	208.9
0	4.6	113.1	2	209.2
2804	4.7	111.0	17	209.7
0	3.9	108.9	4	209.7
2805	3.4	106.8	17	210.0
0	3.7	104.7	6	210.5
2806	4.3	102.6	17	210.5
0	5.0	100.5	9	210.5
2807	5.3	98.4	18	211.1
0	5.4	96.3	1	211.6
2808	3.8	94.2	18	212.1
0	2.4	92.1	3	212.4
2809	2.3	89.9	18	212.1
0	2.2	87.8	5	211.9
2810	2.3	85.7	18	211.3
0	2.0	83.6	7	211.1
2811	2.0	81.5	18	210.8
0	1.9	79.4	9	210.3
2812	0.9	77.3	19	209.5
0	-3.3	75.2	1	208.4
2813	-6.8	73.1	19	206.3
0	-5.7	71.1	3	203.3
2814	-3.4	69.1	19	200.9
0	-3.5	67.2	5	179.1
2815	0.3	65.3	19	162.3
0	3.8	63.7	8	153.0
2816	19.8	62.3	20	116.3
0	37.8	61.2	0	110.4
2817	40.7	60.2	20	92.6
0	25.6	59.4	2	76.9
2818	10.3	58.7	20	63.0
0	1.1	58.2	4	56.9
2819	2.3	57.7	20	38.8
0	3.7	57.4	6	36.4
2820	0.7	57.0	20	30.6
0	-0.5	56.8	8	25.5
2821	-6.8	56.6	21	21.2
0	-19.9	56.4	0	14.1
2822	-24.3	56.3	21	9.8
0	-19.1	56.2	2	2.3
2823	-11.3	56.2	21	-0.7
0	-7.5	56.3	4	-2.3
2824	-12.6	56.3	21	-4.2
0	-20.7	56.4	6	-7.4
2825	-25.0	56.5	21	-12.7
0	-22.9	56.7	8	-18.6
2826	-18.3	56.9	22	-23.9
0	-14.5	57.2	0	-28.2
2827	-14.5	57.6	22	-38.8
0	-17.2	58.0	2	-39.1
2828	-19.4	58.4	22	-39.6
0	-18.6	58.9	4	-54.0
2829	-16.4	59.4	22	-59.3
0	-14.9	60.0	5	-58.0
2830			22	
0			6	
2831			22	
0			7	
2832			22	
0			8	
2833			22	

2857	-14.9	60.6	22	-55.9
0	-15.9	61.3	7	-72.6
2858	-16.3	61.9	22	-76.6
0	-15.3	62.7	6	-81.1
2859	-13.6	63.4	22	-85.9
0	-12.2	64.3	6	-89.7
2860	-12.7	65.1	22	-92.9
0	-14.1	66.0	5	-96.6
2861	-14.4	66.9	22	-100.8
0	-13.7	67.8	4	-104.3
2862	-13.0	68.8	22	-98.7
0	-12.7	69.8	3	-101.9
2863	-14.1	70.8	22	-105.4
0	-15.1	71.9	2	-109.4
2864	-15.2	73.1	22	-112.8
0	-14.4	74.2	1	-116.8
2865	-12.7	75.4	22	-120.3
0	-11.9	76.6	1	-123.5
2866	-12.7	77.9	22	-126.4
0	-14.4	79.2	0	-129.6
2867	-15.2	80.5	21	-133.3
0	-14.2	81.9	9	-137.1
2868	-12.3	83.3	21	-140.8
0	-11.5	84.7	8	-143.4
2869	-11.9	86.2	21	-146.4
0	-13.7	87.6	7	-149.0
2870	-14.9	89.2	21	-152.5
0	-15.2	90.7	6	-156.2
2871	-14.0	92.3	21	-159.7
0	-12.9	93.9	4	-162.9
2872	-14.2	95.6	21	-166.3
0	-17.0	97.3	3	-169.5
2873	-18.7	99.0	21	-173.8
0	-17.9	100.8	2	-178.3
2874	-15.6	102.6	21	-182.6
0	-14.1	104.4	1	-186.6
2875	-15.2	106.3	21	-189.5
0	-17.8	108.2	0	-193.2
2876	-18.8	110.2	20	-197.8
0	-17.8	112.2	8	-202.3
2877	-15.6	114.3	20	-206.5
0	-14.0	116.4	7	-210.0
2878	-13.6	118.5	20	-213.2
0	-13.8	120.6	6	-216.4
2879	-14.5	122.8	20	-219.1
0	-15.6	125.0	4	-222.5
2880	-15.3	127.3	20	-225.7
0	-13.2	129.6	3	-228.9
2881	-11.4	131.9	20	-231.8
0	-11.3	134.2	1	-234.2
2882	-11.4	136.6	20	-236.4
0	-11.3	139.0	0	-238.2
2883	-11.1	141.4	19	-240.3
0	-11.8	143.8	8	-242.7
2884			19	
0			7	
2885			19	
0			5	
2886			19	
0			4	
2887			19	

2911	-11.4	146.2	141	-244.6
0	-9.4	148.7	139	-246.7
2912	-7.5	151.2	136	-248.1
0	-6.5	153.7	134	-248.9
2913	-5.6	156.1	131	-249.7
0	-4.5	158.6	129	-249.9
2914	-4.5	161.2	126	-250.5
0	-3.9	163.7	124	-250.5
2915	-3.0	166.2	121	-250.2
0	-2.4	168.7	119	-249.9
2916	-2.3	171.2	116	-249.7
0	-1.9	173.6	114	-248.9
2917	4.2	176.1	111	-247.8
0	12.9	178.6	109	-244.6
2918	17.6	181.0	106	-239.0
0	15.3	183.3	104	-232.9
2919	8.5	185.6	102	-227.8
0	3.4	187.9	100	-224.6
2920	-3.5	189.9	98	-179.7
0	-6.9	191.6	96	-164.5
2921	-28.9	193.1	94	-149.0
0	-43.9	194.2	93	-113.1
2922	-48.4	195.2	92	-93.7
0	-35.0	196.0	91	-75.6
2923	-12.3	196.6	91	-53.7
0	0.7	197.1	90	-47.1
2924	1.8	197.6	90	-42.0
0	8.9	197.9	90	-30.6
2925	11.5	198.1	89	-26.6
0	9.5	198.3	89	-19.7
2926	9.1	198.5	89	-16.2
0	8.3	198.6	89	-11.9
2927	9.8	198.8	89	-10.9
0	12.2	198.8	89	-6.9
2928	16.7	198.9	89	-3.7
0	20.3	198.9	89	1.3
2929	23.2	198.9	89	3.9
0	23.3	198.8	89	10.6
2930	22.0	198.6	89	17.5
0	20.9	198.4	89	24.2
2931	21.7	198.2	89	30.6
0	24.0	197.8	90	37.2
2932	25.1	197.4	90	44.4
0	23.9	197.0	90	47.1
2933	21.2	196.5	91	48.4
0	18.6	195.9	92	64.9
2934	18.0	195.3	92	63.8
0	19.4	194.6	93	62.0
2935	21.7	193.9	94	66.8
0	23.5	193.1	94	71.8
2936	22.8	192.2	95	77.7
0	20.6	191.3	96	101.4
2937	18.4	190.3	97	107.2
0	16.8	189.3	98	112.6
2938				
0				
2939				
0				
2940				
0				
2941				

2965	17.4	188.3	99	117.4
0	18.7	187.2	100	122.1
2966	20.3	186.0	101	116.0
0	19.8	184.8	103	121.3
2967	18.4	183.5	104	126.9
0	17.1	182.2	105	131.7
2968	16.4	180.9	107	136.3
0	16.8	179.5	108	140.5
2969	17.6	178.1	109	145.0
0	17.6	176.6	111	149.6
2970	15.9	175.0	112	153.8
0	13.4	173.5	114	157.8
2971	11.0	171.9	116	161.0
0	10.2	170.2	117	163.4
2972	12.2	168.6	119	165.8
0	15.2	166.9	121	168.7
2973	15.9	165.2	122	172.7
0	14.0	163.4	124	176.2
2974	10.6	161.7	126	179.1
0	8.5	159.8	128	181.5
2975	7.9	158.0	129	183.1
0	8.7	156.2	131	184.7
2976	10.7	154.3	133	186.6
0	11.8	152.4	135	188.7
2977	11.1	150.5	137	191.6
0	8.8	148.6	139	193.8
2978	6.8	146.6	141	195.4
0	5.8	144.7	143	196.4
2979	7.1	142.7	145	197.2
0	8.7	140.7	147	198.3
2980	8.5	138.7	149	200.4
0	6.8	136.7	151	201.7
2981	4.6	134.7	153	202.8
0	3.7	132.7	155	202.8
2982	4.1	130.6	157	203.1
0	5.7	128.6	159	203.3
2983	6.4	126.5	161	204.1
0	6.0	124.5	163	204.7
2984	5.0	122.4	165	205.7
0	3.5	120.4	167	206.0
2985	2.8	118.3	169	206.3
0	2.8	116.3	171	206.0
2986	3.0	114.2	173	205.7
0	3.0	112.1	175	205.7
2987	2.7	110.1	177	205.7
0	2.4	108.0	179	205.5
2988	2.3	106.0	181	205.2
0	2.0	103.9	184	204.9
2989	2.2	101.9	186	204.7
0	2.2	99.8	188	204.1
2990	2.2	97.8	190	203.9
0	2.2	95.8	192	203.6
2991	2.0	93.7	194	203.1
0	2.0	91.7	196	202.8
2992				
0				
2993				
0				
2994				
0				
2995				

3019	1.8	89.7	19	202.5
0	0.9	87.7	8	201.7
3020	-1.6	85.6	20	200.9
0	-4.2	83.6	0	199.1
3021	-3.0	81.7	20	197.0
0	0.0	79.7	2	195.1
3022	0.9	77.8	20	194.6
0	-1.5	75.8	4	193.5
3023	-4.6	73.9	20	192.2
0	-5.6	72.0	6	189.5
3024	-4.6	70.1	20	186.8
0	-3.9	68.3	8	184.7
3025	-4.5	66.4	21	180.7
0	2.4	64.9	0	158.6
3026	6.5	63.4	21	148.5
0	22.4	62.3	2	116.6
3027	32.8	61.2	21	100.3
0	30.1	60.3	4	85.4
3028	15.6	59.5	21	78.8
0	4.1	58.9	5	59.6
3029	-0.1	58.4	21	50.3
0	2.2	58.0	7	42.8
3030	3.1	57.6	21	36.7
0	0.3	57.2	9	34.3
3031	-0.4	57.0	22	23.6
0	-1.1	56.7	1	22.6
3032	-10.8	56.6	22	18.1
0	-17.8	56.4	3	12.2
3033	-15.7	56.3	22	9.5
0	-9.4	56.2	4	4.7
3034	-6.8	56.2	22	2.3
0	-10.8	56.2	5	0.5
3035	-16.8	56.2	22	-1.0
0	-20.5	56.3	6	-6.3
3036	-21.4	56.3	22	-11.4
0	-17.5	56.5	7	-17.8
3037	-12.2	56.7	22	-22.8
0	-11.0	56.9	8	-23.9
3038	-14.4	57.2	22	-24.4
0	-18.0	57.5	9	-34.0
3039	-18.3	57.8	22	-39.9
0	-15.6	58.2	9	-44.7
3040	-13.4	58.7	22	-49.7
0	-14.0	59.1	9	-48.4
3041	-17.1	59.7	23	-47.1
0	-19.8	60.2	0	-61.7
3042	-20.7	60.8	23	-62.2
0	-19.1	61.5	0	-61.2
3043	-16.8	62.2	23	-65.2
0	-14.6	63.0	0	-68.9
3044	-14.1	63.8	23	-72.9
0	-15.5	64.6	1	-92.6
3045	-17.2	65.5	23	-95.5
0	-18.3	66.4	1	-102.2
3046			23	
0			1	
3047			23	
0			1	
3048			23	
0			1	
3049			23	

3073	-18.3	67.4	22	-107.0
0	-17.9	68.4	0	-102.2
3074	-16.8	69.5	21	-107.2
0	-16.0	70.6	9	-111.2
3075	-15.6	71.7	21	-115.8
0	-15.9	72.9	8	-119.5
3076	-16.8	74.1	21	-123.7
0	-17.5	75.4	7	-128.3
3077	-17.8	76.7	21	-132.5
0	-18.2	78.1	6	-137.3
3078	-17.8	79.5	21	-142.1
0	-16.0	80.9	5	-146.6
3079	-14.4	82.4	21	-150.4
0	-13.8	84.0	3	-153.8
3080	-14.5	85.5	21	-157.3
0	-16.8	87.1	2	-161.0
3081	-17.9	88.8	21	-165.3
0	-17.8	90.5	1	-169.8
3082	-15.9	92.2	20	-174.1
0	-14.4	94.0	9	-178.1
3083	-14.9	95.8	20	-181.0
0	-17.0	97.6	8	-184.4
3084	-17.6	99.5	20	-189.0
0	-16.3	101.4	7	-193.2
3085	-14.1	103.4	20	-197.0
0	-13.7	105.4	5	-200.1
3086	-16.0	107.4	20	-203.3
0	-18.4	109.4	3	-207.3
3087	-18.7	111.6	20	-211.6
0	-17.2	113.7	2	-215.9
3088	-15.2	115.9	20	-219.9
0	-13.2	118.1	0	-223.0
3089	-12.1	120.4	19	-226.0
0	-12.6	122.6	9	-228.4
3090	-14.4	125.0	19	-231.3
0	-15.1	127.3	7	-234.2
3091	-13.4	129.7	19	-237.4
0	-11.3	132.1	5	-240.3
3092	-10.2	134.5	19	-242.5
0	-9.4	136.9	3	-244.6
3093	-8.8	139.4	19	-245.9
0	-8.4	141.8	2	-247.3
3094	-8.9	144.3	19	-248.3
0	-7.7	146.8	0	-249.9
3095	-4.5	149.3	18	-250.5
0	-2.6	151.8	8	-250.5
3096	-2.4	154.3	18	-250.5
0	-2.3	156.8	6	-249.7
3097	-1.6	159.3	18	-249.1
0	2.3	161.8	4	-248.1
3098	6.9	164.3	18	-245.4
0	7.6	166.7	2	-241.9
3099	4.7	169.1	18	-239.0
0	2.0	171.5	0	-236.6
3100			17	
0			8	
3101			17	
0			6	
3102			17	
0			4	
3103			17	

3127	0.1	173.8	114	-235.6
0	2.4	176.2	111	-234.0
3128	8.9	178.5	109	-231.6
0	14.8	180.8	107	-227.3
3129	14.1	183.0	104	-221.2
0	8.3	185.2	102	-216.7
3130	3.1	187.3	100	-213.7
0	-0.7	189.3	98	-199.9
3131	-3.5	191.0	96	-148.2
0	-18.8	192.5	95	-137.9
3132	-41.5	193.7	94	-115.5
0	-49.8	194.7	93	-87.0
3133	-39.1	195.5	92	-79.8
0	-16.5	196.3	91	-70.2
3134	1.2	196.8	91	-51.6
0	0.7	197.2	90	-46.3
3135	3.3	197.6	90	-34.6
0	5.7	197.9	90	-30.8
3136	4.2	198.1	89	-23.1
0	2.7	198.3	89	-19.4
3137	5.3	198.5	89	-18.1
0	16.8	198.6	89	-11.1
3138	20.5	198.7	89	-5.0
0	18.8	198.7	89	0.0
3139	14.9	198.7	89	1.0
0	9.8	198.6	89	6.1
3140	9.6	198.6	89	8.2
0	14.1	198.5	89	11.4
3141	21.2	198.3	89	15.7
0	25.9	198.2	89	22.3
3142	25.9	197.9	90	27.4
0	21.2	197.6	90	30.6
3143	15.3	197.2	90	43.9
0	13.6	196.8	91	43.9
3144	17.1	196.3	91	43.1
0	23.2	195.8	92	48.1
3145	26.6	195.2	92	53.5
0	25.2	194.5	93	72.9
3146	20.9	193.9	94	72.6
0	17.4	193.1	94	70.0
3147	16.4	192.2	95	91.0
0	18.7	191.4	96	95.8
3148	22.1	190.5	97	101.4
0	23.6	189.5	98	107.8
3149	21.8	188.5	99	114.4
0	19.3	187.4	100	120.5
3150	16.4	186.3	101	114.4
0	15.7	185.1	102	118.7
3151	17.8	183.9	104	123.2
0	20.5	182.6	105	128.0
3152	20.6	181.3	106	133.3
0	17.5	179.9	108	138.7
3153	13.7	178.5	109	143.2
0	12.5	177.0	110	146.4
3154				
0				
3155				
0				
3156				
0				
3157				

3181	13.2	175.5	11	149.6
0	15.5	174.0	2	152.8
3182	16.3	172.5	11	156.5
0	14.9	170.9	3	160.5
3183	11.8	169.2	11	163.9
0	10.0	167.6	5	166.6
3184	9.5	165.9	11	168.7
0	10.4	164.2	7	170.9
3185	11.4	162.5	11	173.0
0	11.3	160.7	8	175.7
3186	9.9	158.9	12	178.3
0	7.3	157.1	0	180.2
3187	6.5	155.3	12	181.5
0	7.5	153.5	2	182.8
3188	9.4	151.7	12	183.9
0	10.6	149.8	3	185.8
3189	9.5	147.9	12	188.2
0	7.2	146.0	5	189.8
3190	5.0	144.1	12	190.8
0	5.2	142.2	7	191.6
3191	7.1	140.3	12	192.4
0	8.9	138.4	9	193.5
3192	9.4	136.4	13	195.4
0	8.0	134.4	0	197.2
3193	6.2	132.5	13	198.6
0	4.9	130.5	2	199.4
3194	5.0	128.5	13	199.9
0	5.7	126.5	4	200.1
3195	6.2	124.5	13	201.2
0	6.0	122.4	6	201.7
3196	4.6	120.4	13	202.5
0	3.4	118.4	8	203.1
3197	3.1	116.4	14	203.1
0	3.5	114.3	0	202.8
3198	3.8	112.3	14	203.1
0	3.7	110.3	1	203.3
3199	3.1	108.2	14	203.3
0	2.6	106.2	3	203.3
3200	2.2	104.2	14	203.1
0	2.2	102.1	5	202.8
3201	2.2	100.1	14	202.5
0	2.2	98.1	7	202.0
3202	2.2	96.1	14	201.5
0	2.0	94.1	9	201.5
3203	2.0	92.0	15	201.2
0	1.8	90.0	1	200.7
3204	1.2	88.0	15	200.1
0	-1.6	86.0	3	199.4
3205	-5.4	84.1	15	197.5
0	-4.9	82.1	5	194.8
3206	-1.4	80.2	15	192.7
0	0.8	78.2	7	191.4
3207	-0.8	76.3	15	190.6
0	-4.9	74.4	9	189.2
3208			16	
0			1	
3209			16	
0			3	
3210			16	
0			5	
3211			16	

3235	-7.3	72.6	21	186.6
0	-6.4	70.7	5	183.6
3236	-4.2	68.9	21	181.0
0	-4.1	67.2	7	161.0
3237	-0.1	65.5	21	147.7
0	3.0	64.0	9	155.2
3238	15.7	62.8	22	121.6
0	32.0	61.7	0	105.6
3239	35.7	60.7	22	81.1
0	22.9	59.9	2	76.6
3240	9.6	59.3	22	64.6
0	0.7	58.7	3	54.3
3241	1.2	58.2	22	46.3
0	2.4	57.8	5	35.6
3242	1.6	57.4	22	33.8
0	-0.1	57.1	6	29.0
3243	-1.1	56.9	22	27.1
0	-12.2	56.7	7	20.2
3244	-22.4	56.5	22	14.9
0	-22.5	56.4	8	7.4
3245	-14.9	56.4	22	2.9
0	-9.4	56.4	8	-0.5
3246	-12.9	56.4	22	-1.0
0	-21.0	56.4	9	-6.3
3247	-25.4	56.5	22	-11.7
0	-24.1	56.7	9	-19.1
3248	-18.6	56.9	23	-26.0
0	-12.9	57.1	0	-28.4
3249	-10.7	57.5	23	-31.9
0	-13.3	57.8	0	-31.6
3250	-17.8	58.2	23	-42.8
0	-19.1	58.6	0	-43.3
3251	-17.5	59.1	23	-43.3
0	-14.5	59.6	1	-48.4
3252	-13.0	60.2	23	-51.1
0	-14.1	60.8	1	-66.5
3253	-16.4	61.4	23	-64.1
0	-17.6	62.0	1	-61.4
3254	-16.7	62.8	23	-65.4
0	-14.5	63.5	1	-69.4
3255	-13.7	64.3	23	-72.6
0	-15.2	65.2	1	-75.8
3256	-17.5	66.0	23	-79.6
0	-18.2	66.9	1	-83.5
3257	-17.1	68.0	23	-97.7
0	-15.9	69.0	1	-102.4
3258	-15.7	70.0	23	-106.4
0	-16.8	71.1	1	-110.4
3259	-17.9	72.3	23	-115.2
0	-17.5	73.4	1	-119.5
3260	-15.7	74.7	23	-124.5
0	-14.5	76.0	1	-128.3
3261	-14.6	77.3	23	-132.0
0	-16.4	78.6	1	-135.7
3262			23	
0			0	
3263			23	
0			0	
3264			23	
0			0	
3265			23	

3289	-17.9	80.0	207	-140.2
0	-17.9	81.4	206	-144.5
3290	-16.3	82.9	205	-149.0
0	-15.2	84.4	203	-153.0
3291	-15.5	86.0	201	-157.0
0	-16.8	87.6	200	-160.7
3292	-18.3	89.2	198	-165.0
0	-18.7	90.9	197	-170.1
3293	-17.5	92.7	195	-174.3
0	-16.5	94.4	193	-178.6
3294	-17.6	96.3	191	-182.8
0	-19.5	98.1	189	-186.8
3295	-20.1	100.0	187	-191.9
0	-18.8	102.0	185	-197.0
3296	-16.7	104.0	183	-201.5
0	-16.0	106.0	181	-205.5
3297	-17.6	108.1	179	-209.5
0	-18.4	110.3	177	-214.0
3298	-17.6	112.4	175	-218.3
0	-16.5	114.6	173	-222.2
3299	-15.5	116.9	171	-226.0
0	-14.9	119.2	168	-229.7
3300	-13.8	121.5	166	-232.9
0	-13.8	123.9	164	-236.1
3301	-15.1	126.2	161	-239.0
0	-15.2	128.6	159	-242.2
3302	-13.2	131.1	156	-245.1
0	-11.3	133.6	154	-247.8
3303	-9.4	136.1	151	-249.4
0	-7.7	138.6	149	-251.3
3304	-7.5	141.1	146	-252.1
0	-8.8	143.6	144	-253.4
3305	-9.1	146.2	141	-254.5
0	-6.6	148.7	139	-255.5
3306	-3.8	151.3	136	-256.3
0	-2.7	153.8	134	-255.8
3307	-2.6	156.4	131	-255.5
0	-2.4	159.0	128	-255.0
3308	-2.2	161.5	126	-254.7
0	1.1	164.0	123	-253.7
3309	6.9	166.6	121	-251.5
0	10.0	169.1	118	-247.8
3310	8.5	171.5	116	-244.1
0	3.5	173.9	114	-240.9
3311	-0.4	176.3	111	-239.0
0	0.0	178.7	109	-238.0
3312	5.4	181.1	106	-236.4
0	10.8	183.4	104	-232.9
3313	11.9	185.7	102	-228.4
0	9.6	187.8	100	-201.5
3314	-2.6	189.9	98	-177.3
0	-7.2	191.6	96	-162.6
3315	-28.5	193.0	94	-121.3
0	-45.3	194.2	93	-112.0
3316				
0				
3317				
0				
3318				
0				
3319				

3343	-48.1	195.2	92	-92.9
0	-29.0	196.0	91	-81.4
3344	-7.1	196.6	91	-58.8
0	1.1	197.1	90	-50.8
3345	6.0	197.5	90	-37.5
0	12.9	197.8	90	-32.2
3346	13.6	198.1	89	-23.6
0	8.7	198.3	89	-19.9
3347	5.7	198.4	89	-18.3
0	10.7	198.6	89	-13.5
3348	19.1	198.7	89	-9.0
0	24.1	198.7	89	-2.9
3349	23.6	198.7	89	1.5
0	19.7	198.7	89	5.8
3350	15.1	198.6	89	12.2
0	14.1	198.4	89	15.4
3351	18.4	198.3	89	17.3
0	23.9	198.0	89	22.3
3352	29.2	197.7	90	28.7
0	30.9	197.4	90	35.9
3353	28.3	196.9	91	43.1
0	22.9	196.3	91	61.2
3354	18.7	195.8	92	61.4
0	17.5	195.1	92	59.9
3355	20.2	194.4	93	78.2
0	24.1	193.6	94	83.3
3356	25.6	192.8	95	91.3
0	23.9	192.0	95	89.9
3357	20.2	191.0	96	86.5
0	17.2	190.0	97	111.2
3358	16.8	188.9	99	116.3
0	19.4	187.8	100	121.1
3359	21.2	186.7	101	115.2
0	21.3	185.5	102	121.1
3360	19.0	184.2	103	126.7
0	16.1	182.9	105	131.7
3361	14.2	181.6	106	135.5
0	14.2	180.2	107	139.2
3362	17.1	178.8	109	143.2
0	20.2	177.3	110	147.4
3363	20.2	175.8	112	152.8
0	16.5	174.2	113	157.8
3364	11.8	172.6	115	161.8
0	8.4	171.0	116	164.2
3365	8.9	169.3	118	166.3
0	12.2	167.7	120	168.2
3366	15.1	166.0	121	171.1
0	14.9	164.2	123	174.6
3367	11.8	162.5	125	177.8
0	8.4	160.7	127	180.7
3368	6.5	158.8	129	182.3
0	6.4	157.0	130	183.4
3369	8.0	155.2	132	184.4
0	9.4	153.3	134	186.0
3370				
0				
3371				
0				
3372				
0				
3373				

3397	9.4	151.4	13	187.6
0	7.1	149.5	6	189.2
3398	4.6	147.6	13	190.6
0	3.7	145.7	8	190.8
3399	4.5	143.8	14	191.1
0	6.8	141.9	0	191.6
3400	8.7	140.0	14	192.7
0	7.7	138.0	2	194.6
3401	4.9	136.1	14	195.6
0	2.6	134.1	4	196.4
3402	2.3	132.1	14	196.2
0	2.8	130.2	6	195.9
3403	4.2	128.2	14	195.9
0	5.3	126.3	7	196.4
3404	5.6	124.3	14	197.2
0	4.7	122.3	9	197.2
3405	3.3	120.3	15	197.8
0	2.6	118.4	1	198.0
3406	2.7	116.4	15	198.0
0	3.3	114.4	3	197.8
3407	3.8	112.4	15	197.8
0	4.3	110.4	5	198.0
3408	3.8	108.5	15	198.3
0	3.3	106.5	7	198.6
3409	3.0	104.5	15	198.6
0	2.8	102.5	9	198.3
3410	2.8	100.5	16	198.0
0	2.6	98.6	1	198.0
3411	2.6	96.6	16	198.0
0	2.2	94.6	3	197.8
3412	2.0	92.6	16	197.5
0	1.9	90.6	5	197.0
3413	1.8	88.7	16	196.7
0	1.6	86.7	7	196.7
3414	-1.2	84.7	16	195.9
0	-6.1	82.8	9	194.0
3415	-6.2	80.9	17	191.1
0	-2.3	79.0	1	188.7
3416	0.1	77.1	17	187.1
0	-0.7	75.2	3	186.3
3417	-3.7	73.4	17	185.2
0	-5.8	71.6	5	182.6
3418	-6.0	69.8	17	180.2
0	-4.9	68.0	7	177.3
3419	-3.7	66.2	17	189.5
0	3.0	64.8	9	150.1
3420	9.2	63.4	18	115.8
0	26.3	62.3	1	111.8
3421	33.9	61.2	18	105.9
0	25.8	60.4	3	82.7
3422	12.5	59.7	18	70.0
0	2.4	59.0	5	59.1
3423	1.2	58.5	18	50.3
0	3.7	58.1	7	38.6
3424			18	
0			9	
3425			19	
0			1	
3426			19	
0			3	
3427			19	

3451	3.3	57.7	23	37.0
0	-1.5	57.4	0	31.4
3452	-0.4	57.1	23	24.2
0	-10.2	56.8	0	22.8
3453	-20.6	56.7	23	17.0
0	-22.6	56.5	0	10.1
3454	-16.7	56.5	23	5.8
0	-10.7	56.4	1	1.0
3455	-10.4	56.4	23	0.0
0	-18.0	56.5	1	-2.9
3456	-23.5	56.5	23	-7.9
0	-23.6	56.6	1	-12.5
3457	-19.1	56.8	23	-18.3
0	-13.4	57.1	1	-22.6
3458	-10.6	57.4	23	-25.8
0	-12.1	57.7	1	-34.8
3459	-15.3	58.0	23	-35.1
0	-17.1	58.4	1	-35.4
3460	-16.3	58.8	23	-48.1
0	-14.5	59.3	1	-52.7
3461	-14.0	59.8	23	-56.9
0	-14.8	60.3	1	-55.3
3462	-15.6	60.9	23	-53.5
0	-15.2	61.6	1	-70.0
3463	-14.1	62.2	23	-74.0
0	-13.0	62.9	1	-78.0
3464	-12.6	63.7	23	-81.9
0	-13.7	64.4	0	-85.4
3465	-15.3	65.2	23	-89.1
0	-15.7	66.1	0	-93.7
3466	-15.1	67.0	23	-98.2
0	-14.2	67.9	0	-93.1
3467	-14.5	68.9	22	-96.9
0	-15.5	69.9	9	-100.8
3468	-16.7	70.9	22	-104.6
0	-16.3	72.0	9	-109.4
3469	-14.6	73.1	22	-113.4
0	-13.2	74.3	9	-117.1
3470	-12.7	75.5	22	-120.5
0	-14.0	76.7	8	-123.5
3471	-15.6	78.0	22	-127.5
0	-16.8	79.3	8	-131.2
3472	-16.5	80.6	22	-135.7
0	-15.7	82.0	7	-139.7
3473	-15.5	83.4	22	-144.0
0	-16.8	84.9	7	-147.7
3474	-18.7	86.4	22	-152.2
0	-19.7	88.0	6	-156.8
3475	-19.4	89.6	22	-161.8
0	-17.6	91.2	5	-166.9
3476	-16.4	92.9	22	-171.1
0	-17.4	94.7	5	-175.1
3477	-20.5	96.5	22	-179.9
0	-22.9	98.3	4	-185.0
3478			22	
0			3	
3479			22	
0			2	
3480			22	
0			1	
3481			22	

3505	-22.6	100.2	187	-190.8
0	-19.8	102.1	185	-196.7
3506	-16.7	104.1	183	-201.5
0	-16.3	106.2	181	-205.5
3507	-19.0	108.3	179	-209.2
0	-20.5	110.4	177	-214.5
3508	-19.4	112.6	175	-219.3
0	-16.3	114.8	173	-223.6
3509	-13.2	117.1	170	-227.3
0	-11.4	119.4	168	-230.2
3510	-11.1	121.7	166	-232.6
0	-12.3	124.0	163	-234.8
3511	-13.6	126.4	161	-237.4
0	-12.6	128.8	159	-240.1
3512	-9.5	131.2	156	-242.2
0	-7.5	133.7	154	-243.8
3513	-6.1	136.1	151	-244.6
0	-5.3	138.6	149	-245.1
3514	-5.2	141.0	146	-245.4
0	-5.7	143.5	144	-246.2
3515	-5.0	145.9	142	-246.5
0	-3.0	148.4	139	-246.5
3516	-2.4	150.9	137	-246.2
0	-2.3	153.3	134	-245.7
3517	-2.0	155.8	132	-245.4
0	1.9	158.2	129	-244.6
3518	8.7	160.6	127	-242.2
0	11.1	163.0	124	-238.0
3519	7.3	165.4	122	-233.7
0	1.8	167.7	120	-230.8
3520	-0.8	170.0	117	-229.4
0	0.9	172.3	115	-228.4
3521	4.6	174.6	113	-227.0
0	8.8	176.8	111	-223.6
3522	10.3	179.0	108	-220.1
0	9.4	181.2	106	-215.6
3523	6.0	183.3	104	-212.1
0	3.7	185.4	102	-209.5
3524	5.0	187.5	100	-207.3
0	3.7	189.4	98	-191.4
3525	-3.4	191.0	96	-142.9
0	-18.2	192.4	95	-133.3
3526	-34.0	193.7	94	-122.7
0	-40.7	194.6	93	-94.2
3527	-35.1	195.4	92	-78.8
0	-19.4	196.1	91	-70.5
3528	-0.5	196.7	91	-52.1
0	0.7	197.1	90	-46.3
3529	0.3	197.5	90	-35.1
0	6.1	197.8	90	-31.4
3530	10.6	198.0	89	-23.1
0	9.5	198.2	89	-18.9
3531	8.8	198.4	89	-14.1
0	8.1	198.5	89	-13.0
3532				
0				
3533				
0				
3534				
0				
3535				

3559	12.2	198.6	89	-9.3
0	15.1	198.7	89	-6.9
3560	16.5	198.7	89	-1.8
0	18.7	198.7	89	0.2
3561	20.6	198.7	89	4.5
0	19.8	198.6	89	9.0
3562	18.3	198.5	89	13.8
0	19.3	198.3	89	18.6
3563	22.0	198.0	89	28.7
0	24.3	197.7	90	35.1
3564	24.7	197.4	90	38.3
0	22.2	196.9	91	40.4
3565	18.3	196.4	91	55.9
0	16.5	195.9	92	55.3
3566	17.0	195.3	92	54.0
0	19.3	194.6	93	71.3
3567	21.0	193.9	94	76.9
0	20.9	193.2	94	75.0
3568	18.8	192.5	95	72.4
0	16.5	191.6	96	94.2
3569	15.5	190.7	97	98.7
0	15.7	189.8	98	84.1
3570	17.2	188.8	99	87.8
0	18.4	187.8	100	91.8
3571	18.0	186.7	101	107.0
0	15.2	185.6	102	111.5
3572	14.0	184.5	103	115.5
0	14.1	183.3	104	119.2
3573	15.5	182.1	105	122.7
0	16.4	180.8	107	126.7
3574	16.1	179.5	108	131.2
0	14.6	178.2	109	135.5
3575	13.3	176.8	111	138.9
0	11.8	175.4	112	142.4
3576	11.5	173.9	114	145.0
0	12.1	172.4	115	147.7
3577	12.2	170.9	117	150.6
0	11.9	169.4	118	153.6
3578	11.7	167.9	120	156.5
0	10.0	166.3	121	158.9
3579	9.1	164.7	123	161.0
0	8.5	163.1	124	162.9
3580	8.9	161.4	126	164.7
0	9.6	159.7	128	166.6
3581	9.4	158.1	129	168.7
0	8.4	156.4	131	170.9
3582	7.2	154.6	133	172.2
0	6.9	152.9	135	173.5
3583	7.6	151.2	136	174.9
0	8.0	149.4	138	176.5
3584	7.9	147.6	140	178.1
0	7.1	145.8	142	179.7
3585	6.1	144.0	143	180.7
0	6.1	142.2	145	181.5
3586				
0				
3587				
0				
3588				
0				
3589				

3613	6.8	140.4	14	182.6
0	7.3	138.6	7	183.6
3614	7.6	136.7	14	185.0
0	7.6	134.8	9	186.6
3615	6.9	133.0	15	187.6
0	6.2	131.1	1	188.7
3616	6.0	129.2	15	189.8
0	5.8	127.3	3	190.6
3617	5.4	125.4	15	191.4
0	5.7	123.5	4	192.2
3618	5.7	121.5	15	193.0
0	5.4	119.6	6	193.8
3619	5.4	117.6	15	194.6
0	5.4	115.7	8	195.4
3620	5.3	113.7	16	195.9
0	4.6	111.8	0	196.4
3621	3.9	109.8	16	196.7
0	3.4	107.8	2	197.0
3622	3.7	105.9	16	197.2
0	3.7	103.9	4	197.2
3623	3.4	101.9	16	197.5
0	3.1	99.9	6	197.2
3624	3.1	98.0	16	197.5
0	3.5	96.0	8	197.5
3625	3.4	94.0	17	197.5
0	3.1	92.0	0	197.8
3626	2.4	90.1	17	197.5
0	2.2	88.1	2	197.2
3627	1.9	86.1	17	197.2
0	1.8	84.2	4	197.0
3628	1.8	82.2	17	196.2
0	0.1	80.2	6	195.9
3629	-5.0	78.3	17	194.0
0	-8.1	76.4	8	191.4
3630	-6.6	74.5	18	188.2
0	-2.3	72.6	0	185.8
3631	0.0	70.8	18	184.4
0	-1.9	68.9	2	183.4
3632	-6.8	67.1	18	181.5
0	-4.2	65.5	4	148.8
3633	2.8	63.9	18	156.8
0	19.8	62.7	6	122.9
3634	38.4	61.6	18	106.4
0	40.3	60.6	8	99.5
3635	25.5	59.9	18	76.6
0	9.2	59.2	9	64.1
3636	0.5	58.6	19	54.0
0	1.2	58.1	1	46.0
3637	2.7	57.7	19	35.4
0	3.4	57.4	3	33.8
3638	-0.5	57.1	19	28.4
0	-0.5	56.8	5	26.6
3639	-4.7	56.6	19	20.4
0	-15.7	56.5	7	15.9
3640			19	
0			9	
3641			20	
0			1	
3642			20	
0			3	
3643			20	

3667	-20.3	56.3	23	9.3
0	-16.0	56.3	1	5.3
3668	-11.0	56.3	23	0.5
0	-11.1	56.3	1	-0.2
3669	-17.8	56.3	23	-3.1
0	-22.6	56.4	1	-7.7
3670	-23.5	56.5	23	-15.7
0	-19.8	56.7	1	-22.3
3671	-14.2	56.9	23	-25.2
0	-10.7	57.2	1	-29.0
3672	-12.6	57.5	23	-29.0
0	-17.9	57.9	1	-39.4
3673	-21.4	58.2	23	-40.7
0	-21.6	58.7	1	-41.5
3674	-19.1	59.2	23	-47.3
0	-16.7	59.8	1	-51.1
3675	-16.0	60.4	23	-67.3
0	-16.3	61.0	1	-72.1
3676	-16.3	61.7	23	-76.9
0	-15.2	62.5	0	-81.4
3677	-13.4	63.2	23	-85.7
0	-12.3	64.0	0	-89.7
3678	-13.6	64.8	23	-84.3
0	-15.9	65.7	0	-79.0
3679	-17.6	66.6	22	-83.0
0	-17.6	67.6	9	-96.6
3680	-17.0	68.6	22	-101.4
0	-16.7	69.7	9	-106.2
3681	-17.2	70.8	22	-110.4
0	-18.3	71.9	8	-115.2
3682	-18.8	73.1	22	-119.8
0	-18.2	74.3	8	-125.1
3683	-16.4	75.6	22	-129.6
0	-14.9	76.9	7	-133.9
3684	-14.9	78.3	22	-137.6
0	-16.5	79.7	6	-141.3
3685	-18.4	81.2	22	-145.3
0	-18.0	82.6	6	-150.6
3686	-16.5	84.2	22	-154.9
0	-15.5	85.8	5	-159.2
3687	-16.0	87.4	22	-163.1
0	-18.2	89.0	4	-166.9
3688	-19.4	90.8	22	-171.9
0	-18.4	92.5	3	-176.2
3689	-16.0	94.3	22	-180.7
0	-14.6	96.1	3	-184.7
3690	-15.3	98.0	22	-188.2
0	-16.4	99.9	2	-191.9
3691	-16.3	101.9	22	-195.9
0	-15.1	103.9	1	-199.6
3692	-14.2	105.9	22	-203.1
0	-15.2	107.9	0	-206.5
3693	-16.0	110.0	21	-210.3
0	-16.0	112.2	9	-213.7
3694			21	
0			8	
3695			21	
0			7	
3696			21	
0			6	
3697			21	

3721	-15.3	114.3	173	-217.5
0	-14.5	116.5	171	-220.9
3722	-13.3	118.8	169	-224.1
0	-12.1	121.0	166	-227.0
3723	-11.5	123.3	164	-229.4
0	-12.3	125.6	162	-231.6
3724	-12.9	128.0	159	-234.0
0	-11.9	130.3	157	-236.6
3725	-10.7	132.7	155	-238.8
0	-9.8	135.1	152	-240.9
3726	-8.8	137.5	150	-243.0
0	-8.0	140.0	147	-244.1
3727	-8.3	142.4	145	-245.7
0	-9.2	144.9	143	-247.0
3728	-8.1	147.4	140	-248.6
0	-7.1	149.9	138	-249.9
3729	-6.4	152.4	135	-250.5
0	-5.7	154.9	133	-251.0
3730	-3.9	157.4	130	-251.5
0	-3.4	159.9	128	-251.3
3731	-3.5	162.4	125	-251.0
0	-3.3	164.9	123	-251.0
3732	-2.6	167.4	120	-250.5
0	-2.3	169.9	118	-250.2
3733	-2.3	172.4	115	-249.7
0	-0.8	174.9	113	-249.1
3734	7.1	177.4	110	-247.0
0	13.8	179.9	108	-243.0
3735	14.0	182.3	105	-237.7
0	8.0	184.6	103	-233.2
3736	3.4	186.9	101	-230.0
0	2.7	189.0	98	-198.6
3737	-3.4	191.0	96	-182.0
0	-20.3	192.6	95	-163.1
3738	-41.6	193.8	94	-122.7
0	-50.2	194.9	93	-101.4
3739	-39.3	195.7	92	-82.5
0	-17.4	196.4	91	-58.5
3740	2.0	197.0	90	-51.1
0	2.8	197.4	90	-40.7
3741	10.8	197.8	90	-32.4
0	13.6	198.0	89	-27.4
3742	13.2	198.3	89	-18.1
0	13.6	198.4	89	-16.5
3743	12.5	198.6	89	-11.7
0	13.2	198.7	89	-10.3
3744	15.2	198.7	89	-5.5
0	17.4	198.8	89	-0.7
3745	20.2	198.7	89	0.7
0	22.4	198.7	89	5.8
3746	22.5	198.6	89	11.9
0	22.0	198.4	89	20.7
3747	22.6	198.2	89	27.1
0	24.4	197.9	90	30.8
3748				
0				
3749				
0				
3750				
0				
3751				

3775	26.3	197.5	90	37.8
0	26.3	197.1	90	40.4
3776	24.5	196.6	91	57.2
0	22.1	196.0	91	58.3
3777	19.5	195.4	92	57.5
0	18.4	194.7	93	76.4
3778	19.8	194.0	93	81.9
0	21.8	193.2	94	87.0
3779	23.1	192.4	95	85.1
0	23.1	191.5	96	82.5
3780	21.4	190.5	97	87.5
0	19.5	189.5	98	94.2
3781	17.9	188.4	99	97.1
0	18.0	187.3	100	112.6
3782	19.0	186.1	101	117.4
0	19.1	184.9	103	122.1
3783	18.6	183.6	104	127.5
0	17.6	182.3	105	132.3
3784	16.5	181.0	106	136.8
0	16.8	179.6	108	141.0
3785	17.2	178.1	109	145.6
0	17.2	176.6	111	149.8
3786	16.1	175.1	112	154.4
0	14.0	173.5	114	158.4
3787	11.3	171.9	116	161.5
0	9.6	170.3	117	163.9
3788	10.7	168.6	119	166.3
0	13.0	167.0	120	169.0
3789	14.5	165.2	122	171.9
0	14.0	163.5	124	175.4
3790	11.8	161.7	126	178.6
0	9.8	159.9	128	181.0
3791	8.4	158.1	129	183.1
0	8.4	156.2	131	184.7
3792	9.8	154.4	133	186.3
0	11.0	152.5	135	188.4
3793	11.5	150.6	137	191.1
0	10.6	148.7	139	193.5
3794	9.4	146.7	141	195.4
0	8.1	144.8	143	197.2
3795	8.4	142.8	145	198.8
0	9.1	140.8	147	200.1
3796	9.2	138.8	149	202.3
0	8.1	136.7	151	204.1
3797	6.2	134.7	153	205.2
0	5.2	132.6	155	205.7
3798	5.3	130.5	157	206.3
0	6.9	128.5	159	207.1
3799	8.0	126.4	161	208.4
0	8.5	124.3	163	209.7
3800	8.1	122.2	165	211.1
0	6.2	120.1	167	212.1
3801	5.6	117.9	170	213.2
0	5.8	115.8	172	214.0
3802				
0				
3803				
0				
3804				
0				
3805				

3829	6.5	113.7	17	214.5
0	6.5	111.5	4	215.6
3830	6.0	109.4	17	216.1
0	5.4	107.2	6	217.2
3831	5.4	105.0	17	217.7
0	5.6	102.8	8	218.3
3832	5.7	100.6	18	218.5
0	5.8	98.5	0	219.1
3833	5.7	96.3	18	219.9
0	3.9	94.1	2	220.4
3834	2.4	91.8	18	220.6
0	2.2	89.6	5	220.1
3835	2.0	87.4	18	219.9
0	1.9	85.2	7	219.3
3836	1.2	83.1	18	218.5
0	-3.1	80.9	9	217.5
3837	-6.2	78.7	19	215.3
0	-5.8	76.6	1	212.4
3838	-3.9	74.5	19	209.7
0	-2.6	72.4	3	207.6
3839	-3.3	70.3	19	206.0
0	-6.1	68.3	6	203.9
3840	-8.5	66.3	19	218.3
0	1.6	64.6	8	171.4
3841	13.3	63.0	20	143.2
0	33.1	61.8	0	122.7
3842	42.3	60.7	20	103.8
0	34.8	59.8	2	86.2
3843	18.3	59.1	20	71.6
0	4.5	58.4	4	58.5
3844	-0.1	57.9	20	48.1
0	2.0	57.5	7	40.4
3845	1.8	57.2	20	33.5
0	-0.9	56.9	9	28.2
3846	-1.1	56.6	21	23.4
0	-14.2	56.4	1	18.6
3847	-22.9	56.3	21	11.1
0	-22.6	56.2	3	6.3
3848	-14.0	56.2	21	0.2
0	-6.9	56.2	5	-0.5
3849	-7.1	56.2	21	-2.3
0	-14.8	56.3	7	-4.2
3850	-22.6	56.3	21	-7.9
0	-24.5	56.5	9	-13.5
3851	-22.4	56.7	22	-19.4
0	-17.4	56.9	1	-24.4
3852	-13.8	57.3	22	-35.1
0	-14.2	57.6	3	-35.6
3853	-17.2	58.0	22	-35.9
0	-19.0	58.4	4	-48.7
3854	-18.2	58.9	22	-54.3
0	-16.5	59.4	6	-54.0
3855	-15.7	60.0	22	-52.4
0	-16.0	60.6	7	-68.9
3856			22	
0			8	
3857			22	
0			8	
3858			22	
0			9	
3859			22	

3883	-17.2	61.3	22	-66.8
0	-18.0	62.0	6	-63.8
3884	-17.5	62.7	22	-68.1
0	-15.7	63.5	5	-72.4
3885	-14.5	64.3	22	-76.1
0	-15.5	65.2	5	-79.3
3886	-17.8	66.1	22	-83.5
0	-19.0	67.1	4	-87.3
3887	-19.1	68.1	22	-101.6
0	-18.4	69.2	3	-107.2
3888	-17.6	70.3	22	-111.8
0	-18.2	71.4	2	-116.6
3889	-19.4	72.6	22	-121.6
0	-19.4	73.9	1	-126.4
3890	-18.0	75.2	22	-131.7
0	-16.3	76.6	0	-136.3
3891	-15.7	78.0	21	-140.5
0	-17.1	79.4	9	-144.2
3892	-18.4	80.9	21	-148.8
0	-18.4	82.4	8	-153.6
3893	-17.1	84.0	21	-158.1
0	-15.9	85.6	7	-162.6
3894	-16.8	87.2	21	-166.6
0	-19.0	88.9	6	-170.9
3895	-20.2	90.7	21	-175.9
0	-19.3	92.5	5	-180.4
3896	-16.7	94.3	21	-185.5
0	-15.3	96.2	4	-189.2
3897	-16.0	98.1	21	-192.7
0	-16.8	100.1	2	-196.7
3898	-16.8	102.1	21	-200.7
0	-15.6	104.1	1	-204.7
3899	-14.5	106.2	20	-207.9
0	-15.1	108.3	9	-211.3
3900	-14.9	110.4	20	-215.3
0	-14.2	112.6	8	-218.5
3901	-13.4	114.8	20	-221.4
0	-12.7	117.0	7	-224.4
3902	-12.1	119.3	20	-227.0
0	-11.0	121.6	5	-230.0
3903	-11.1	123.9	20	-231.8
0	-12.6	126.3	3	-234.2
3904	-13.4	128.6	20	-236.9
0	-12.2	131.0	2	-239.3
3905	-10.7	133.4	20	-241.4
0	-8.8	135.9	0	-243.5
3906	-6.4	138.3	19	-244.6
0	-5.3	140.8	9	-245.7
3907	-6.1	143.2	19	-245.9
0	-7.2	145.7	7	-246.7
3908	-6.0	148.2	19	-247.5
0	-3.9	150.6	5	-248.1
3909	-2.7	153.1	19	-248.1
0	-2.4	155.6	3	-248.1
3910			19	
0			1	
3911			18	
0			9	
3912			18	
0			7	
3913			18	

3937	-2.4	158.1	129	-247.3
0	-2.4	160.5	127	-246.7
3938	-1.8	163.0	124	-246.7
0	1.8	165.5	122	-245.4
3939	6.1	167.9	120	-243.0
0	6.8	170.3	117	-239.8
3940	4.3	172.7	115	-236.6
0	1.2	175.0	112	-234.8
3941	0.0	177.4	110	-233.2
0	1.8	179.7	108	-231.8
3942	6.1	182.0	105	-230.0
0	9.1	184.3	103	-226.5
3943	10.0	186.5	101	-222.8
0	7.6	188.7	99	-215.6
3944	-3.5	190.5	97	-182.3
0	-25.8	192.1	95	-165.3
3945	-53.0	193.4	94	-125.9
0	-67.8	194.5	93	-105.1
3946	-57.2	195.4	92	-87.0
0	-30.9	196.2	91	-62.2
3947	-1.1	196.7	91	-54.5
0	1.2	197.2	90	-43.1
3948	3.1	197.6	90	-35.1
0	6.0	197.9	90	-30.8
3949	4.6	198.1	89	-23.1
0	0.0	198.3	89	-19.9
3950	-1.1	198.5	89	-18.6
0	-0.5	198.6	89	-13.5
3951	11.0	198.8	89	-9.5
0	12.5	198.8	89	-7.7
3952	15.1	198.9	89	-2.3
0	17.9	198.9	89	0.7
3953	17.8	198.8	89	3.9
0	15.1	198.8	89	8.2
3954	13.2	198.6	89	11.4
0	13.6	198.5	89	14.9
3955	15.9	198.3	89	18.1
0	18.0	198.1	89	22.0
3956	18.4	197.8	90	32.2
0	16.3	197.5	90	34.3
3957	13.3	197.1	90	34.6
0	11.9	196.6	91	46.0
3958	13.7	196.2	91	44.9
0	17.0	195.7	92	48.7
3959	19.1	195.2	92	48.1
0	18.7	194.7	93	53.5
3960	16.1	194.0	93	69.7
0	13.6	193.4	94	67.6
3961	12.3	192.7	95	63.6
0	13.6	191.9	96	66.8
3962	16.0	191.2	96	70.2
0	17.8	190.4	97	74.0
3963	18.2	189.5	98	78.2
0	16.8	188.6	99	82.2
3964				
0				
3965				
0				
3966				
0				
3967				

3991	15.6	187.7	10	85.9
0	15.6	186.6	0	99.5
3992	15.9	185.6	10	104.0
0	17.1	184.5	1	108.0
3993	17.1	183.4	10	112.8
0	15.7	182.2	2	117.1
3994	13.2	181.0	10	121.1
0	11.5	179.8	3	124.5
3995	12.1	178.5	10	127.7
0	14.4	177.2	4	130.9
3996	16.0	175.9	10	134.4
0	15.6	174.5	5	138.4
3997	13.6	173.1	10	142.1
0	10.6	171.7	6	145.3
3998	8.7	170.2	10	148.2
0	9.6	168.7	8	150.1
3999	11.7	167.2	10	152.2
0	12.7	165.6	9	154.9
4000	12.3	164.1	11	158.1
0	10.3	162.5	0	161.0
4001	8.8	160.8	11	163.1
0	8.8	159.2	2	165.0
4002	9.8	157.5	11	167.1
0	10.6	155.8	3	169.0
4003	10.7	154.1	11	171.4
0	9.6	152.4	4	173.8
4004	8.1	150.6	11	175.9
0	6.8	148.9	6	177.3
4005	6.8	147.1	11	178.6
0	8.0	145.3	7	179.9
4006	9.5	143.5	11	181.2
0	11.0	141.7	9	183.1
4007	10.7	139.8	12	185.8
0	8.5	137.9	0	187.9
4008	6.4	136.0	12	189.5
0	6.4	134.1	2	190.6
4009	8.3	132.2	12	191.9
0	9.9	130.3	3	193.2
4010	10.6	128.3	12	195.1
0	9.4	126.4	5	197.8
4011	7.5	124.4	12	199.1
0	6.8	122.4	7	200.4
4012	7.1	120.4	12	201.2
0	8.0	118.3	8	202.5
4013	8.8	116.3	13	204.1
0	8.1	114.3	0	205.5
4014	6.2	112.2	13	207.1
0	4.9	110.1	2	207.3
4015	5.0	108.0	13	207.9
0	6.5	106.0	3	208.7
4016	8.0	103.9	13	209.5
0	7.6	101.8	5	211.1
4017	6.1	99.6	13	212.1
0	5.0	97.5	7	212.9
4018			13	
0			9	
4019			14	
0			0	
4020			14	
0			2	
4021			14	

4045	4.3	95.4	19	213.5
0	4.2	93.2	2	213.7
4046	4.1	91.1	19	214.0
0	3.8	89.0	4	214.0
4047	3.5	86.8	19	214.0
0	3.0	84.7	6	214.5
4048	2.3	82.5	19	214.3
0	2.2	80.4	8	214.0
4049	2.0	78.2	20	213.5
0	2.0	76.1	1	212.9
4050	1.8	74.0	20	212.9
0	-0.8	71.9	3	211.9
4051	-5.8	69.8	20	210.3
0	-8.0	67.7	5	207.1
4052	-2.6	65.7	20	216.4
0	4.1	64.0	7	166.1
4053	25.2	62.5	20	151.2
0	49.1	61.3	9	118.7
4054	52.1	60.3	21	98.7
0	30.9	59.4	1	89.1
4055	13.8	58.7	21	59.1
0	4.2	58.2	3	53.7
4056	7.9	57.7	21	44.7
0	14.1	57.3	6	37.5
4057	13.2	57.0	21	28.4
0	3.5	56.7	8	26.0
4058	-0.9	56.5	22	21.2
0	-9.4	56.3	0	18.6
4059	-18.4	56.2	22	12.5
0	-21.0	56.1	2	7.1
4060	-16.3	56.1	22	1.0
0	-13.8	56.1	3	-0.7
4061	-14.5	56.1	22	-5.0
0	-19.5	56.2	5	-7.9
4062	-22.2	56.3	22	-13.5
0	-23.2	56.5	6	-19.7
4063	-19.9	56.7	22	-22.8
0	-16.1	57.0	7	-28.2
4064	-12.9	57.3	22	-31.6
0	-12.7	57.7	8	-34.8
4065	-15.5	58.2	22	-46.8
0	-18.6	58.6	9	-46.5
4066	-20.1	59.1	22	-46.3
0	-19.3	59.6	9	-56.7
4067	-16.8	60.3	23	-67.8
0	-15.6	60.9	0	-72.9
4068	-15.6	61.6	23	-77.4
0	-16.5	62.3	0	-74.2
4069	-17.0	63.1	23	-70.8
0	-15.7	63.9	0	-75.0
4070	-14.5	64.8	23	-78.2
0	-14.2	65.7	1	-81.7
4071	-14.9	66.6	23	-85.1
0	-15.7	67.6	1	-98.5
4072			23	
0			1	
4073			23	
0			1	
4074			23	
0			1	
4075			23	

4099	-16.1	68.7	21	-102.4
0	-15.5	69.7	9	-107.0
4100	-15.1	70.8	21	-110.7
0	-15.1	72.0	8	-115.0
4101	-15.7	73.1	21	-118.7
0	-16.3	74.3	7	-122.9
4102	-15.7	75.6	21	-126.9
0	-14.2	76.9	5	-130.9
4103	-13.2	78.2	21	-134.4
0	-12.9	79.6	4	-137.6
4104	-13.3	81.0	21	-140.5
0	-12.9	82.4	3	-144.0
4105	-12.9	83.9	21	-147.2
0	-12.3	85.4	2	-150.1
4106	-13.0	86.9	21	-153.3
0	-13.8	88.5	1	-156.2
4107	-14.6	90.1	20	-159.7
0	-14.4	91.7	9	-163.4
4108	-13.4	93.4	20	-166.9
0	-13.0	95.0	8	-169.5
4109	-13.6	96.8	20	-173.0
0	-14.2	98.5	6	-176.2
4110	-14.2	100.3	20	-179.4
0	-13.7	102.1	5	-183.1
4111	-13.2	104.0	20	-186.0
0	-13.8	105.9	4	-189.2
4112	-15.3	107.8	20	-192.7
0	-15.5	109.7	2	-196.4
4113	-14.2	111.7	20	-200.1
0	-13.3	113.8	1	-203.3
4114	-13.6	115.8	19	-206.3
0	-14.1	117.9	9	-209.5
4115	-13.4	120.0	19	-212.4
0	-12.1	122.2	7	-215.3
4116	-11.3	124.3	19	-217.7
0	-11.7	126.5	6	-220.4
4117	-12.2	128.8	19	-222.8
0	-11.8	131.0	4	-225.4
4118	-11.7	133.3	19	-227.6
0	-11.0	135.6	2	-229.7
4119	-9.4	137.9	19	-231.8
0	-8.0	140.2	1	-233.4
4120	-8.1	142.6	18	-234.8
0	-9.4	144.9	9	-236.6
4121	-8.8	147.3	18	-238.2
0	-7.9	149.7	7	-239.3
4122	-7.2	152.1	18	-240.6
0	-6.0	154.5	5	-241.4
4123	-3.8	156.9	18	-241.4
0	-2.8	159.3	3	-241.4
4124	-3.0	161.8	18	-241.1
0	-2.7	164.2	2	-241.1
4125	-2.4	166.6	18	-240.9
0	-2.3	169.0	0	-240.3
4126			17	
0			8	
4127			17	
0			6	
4128			17	
0			4	
4129			17	

4153	-2.3	171.4	116	-239.8
0	-1.1	173.8	114	-239.3
4154	4.9	176.2	111	-237.7
0	9.9	178.5	109	-234.2
4155	10.6	180.8	107	-230.2
0	7.6	183.1	104	-226.2
4156	4.2	185.4	102	-223.3
0	3.5	187.6	100	-220.6
4157	-0.4	189.6	98	-181.0
0	-3.8	191.3	96	-166.3
4158	-20.9	192.8	95	-138.1
0	-44.1	194.0	93	-114.2
4159	-54.6	195.0	92	-95.8
0	-40.8	195.8	92	-78.0
4160	-16.0	196.5	91	-68.1
0	0.1	197.0	90	-49.2
4161	3.7	197.4	90	-43.6
0	11.5	197.7	90	-31.9
4162	13.0	198.0	89	-27.6
0	11.3	198.2	89	-20.2
4163	9.8	198.4	89	-18.9
0	8.8	198.5	89	-14.3
4164	9.9	198.7	89	-13.0
0	11.9	198.8	89	-9.0
4165	15.2	198.8	89	-4.5
0	16.5	198.8	89	-0.2
4166	17.6	198.8	89	0.7
0	18.6	198.8	89	5.3
4167	18.8	198.7	89	9.0
0	18.6	198.6	89	14.1
4168	19.1	198.4	89	18.9
0	19.9	198.1	89	28.7
4169	20.1	197.8	90	34.8
0	19.0	197.5	90	37.2
4170	17.2	197.1	90	38.0
0	15.2	196.6	91	46.5
4171				
0				
4172				
0				
4173				
0				
4174				
0				
4175				
0				
4176				
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4177				
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4178				
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4180				
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4181				
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4182				
0				
4183				



UNIVERSIDADE
ESTADUAL DE LONDRINA

2001 - 2026

25
ANOS

Grupo de Pesquisa em Avaliação
& Intervenção em Fisioterapia

ISOK_EXERC_DIAG_300_R_SIDE

27/07

Set #3

TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	0.0	191.0	96	-0.5
10	16.0	191.0	96	1.5
20	14.1	191.0	96	6.6
30	8.8	190.9	97	9.8
40	4.9	190.8	97	12.2
50	6.0	190.7	97	13.8
60	11.0	190.5	97	15.9
70	16.7	190.4	97	17.3
80	19.0	190.2	97	19.9
90	16.4	189.9	98	24.2
100	11.3	189.6	98	28.2
110	7.7	189.3	98	31.1
120	8.0	188.9	99	32.7
130	12.1	188.5	99	34.8
140	16.5	188.1	99	37.8
150	18.0	187.7	100	42.0
160	16.0	187.1	100	51.3
170	12.1	186.6	101	55.6
180	9.8	186.0	101	58.8
190	10.7	185.4	102	61.4
200	14.1	184.8	103	64.6
210	17.5	184.1	103	68.6
220	18.6	183.4	104	73.4
230	16.5	182.6	105	78.2
240	13.2	181.8	106	82.7
250	11.0	180.9	107	85.9
260	11.7	180.0	107	89.1
270	15.1	179.1	108	92.3
280	18.3	178.2	109	96.6
290	18.8	177.2	110	101.4
300	16.3	176.1	111	106.4
310	12.3	175.0	112	110.4
320	10.7	173.9	114	113.6
330	11.8	172.7	115	116.3
340	14.0	171.5	116	119.2
350	15.6	170.3	117	122.9
360	15.5	169.1	118	126.9
370	13.4	167.8	120	130.9
380	10.4	166.4	121	134.4
390	8.5	165.1	122	136.8
400	9.4	163.7	124	138.7
410	11.3	162.3	125	140.8
420	12.6	160.8	127	143.7
430	12.3	159.4	128	146.6
440	9.4	157.9	130	149.0
450	6.1	156.4	131	151.4
460	5.7	154.9	133	152.5
470	7.7	153.3	134	153.6
480	10.7	151.8	136	155.2

490	12.3	150.2	13	157.6
500	11.1	148.6	7	160.5
510	8.7	147.0	13	162.9
520	6.0	145.4	9	164.5
530	5.6	143.7	14	165.3
540	7.9	142.0	0	166.3
550	9.9	140.4	14	167.9
560	9.6	138.7	2	170.3
570	7.5	137.0	14	172.2
580	5.0	135.2	4	173.3
590	4.1	133.5	14	173.8
600	4.7	131.7	5	174.1
610	6.5	130.0	14	174.9
620	7.6	128.2	7	176.2
630	6.4	126.5	14	177.5
640	4.1	124.7	9	178.3
650	3.0	122.9	15	178.6
660	3.0	121.1	0	178.9
670	3.8	119.3	15	178.9
680	4.9	117.5	2	179.1
690	5.4	115.7	15	179.7
700	4.7	113.9	4	180.4
710	3.1	112.1	15	180.7
720	2.2	110.3	6	181.0
730	2.2	108.5	15	180.7
740	2.2	106.7	7	180.4
750	2.2	104.9	15	180.4
760	2.2	103.1	9	180.2
770	2.2	101.3	16	179.9
780	2.0	99.5	1	179.9
790	2.0	97.7	16	179.7
800	2.0	95.9	3	179.4
810	2.0	94.1	16	179.1
820	2.0	92.3	5	178.6
830	2.0	90.5	16	178.3
840	1.9	88.8	6	178.1
850	1.9	87.0	16	177.8
860	1.8	85.2	8	177.8
870	1.8	83.4	17	177.5
880	0.9	81.6	0	177.3
890	-1.1	79.9	17	175.9
900	-3.5	78.1	2	174.6
910	-3.5	76.4	17	173.0
920	-2.4	74.7	4	171.4
930	-1.2	73.0	17	169.8
940	-1.1	71.3	5	168.5
950	-3.0	69.6	17	167.1
960	-5.8	67.9	7	165.3
970	-6.2	66.3	17	176.2
980	2.6	65.0	9	140.8
990	5.0	63.7	18	110.2
1000	18.6	62.6	1	107.5
1010	28.2	61.5	18	103.2
1020	24.7	60.7	3	81.4

18

4

18

6

18

8

10

103	12.2	60.0	22	69.7
0	1.8	59.4	7	60.1
104	0.3	58.9	22	51.3
0	0.8	58.4	8	39.9
105	0.4	58.0	22	38.6
0	0.0	57.6	9	36.7
106	-0.3	57.3	22	29.2
0	-7.9	57.1	9	24.7
107	-17.4	56.9	22	18.1
0	-18.6	56.7	9	16.2
108	-12.3	56.6	23	10.3
0	-6.9	56.5	0	7.1
109	-8.7	56.4	23	6.6
0	-16.0	56.4	0	2.3
110	-23.9	56.4	23	-1.5
0	-27.3	56.5	0	-5.8
111	-23.2	56.6	23	-11.9
0	-15.9	56.8	1	-17.3
112	-12.1	57.0	23	-21.0
0	-13.6	57.3	1	-29.5
113	-17.6	57.5	23	-30.6
0	-19.9	57.9	1	-31.9
114	-18.4	58.3	23	-44.7
0	-15.7	58.7	1	-49.2
115	-14.9	59.2	23	-54.5
0	-16.7	59.7	1	-53.7
116	-19.4	60.3	23	-52.1
0	-20.2	61.0	1	-69.7
117	-18.4	61.6	23	-75.6
0	-16.4	62.4	1	-80.6
118	-15.7	63.1	23	-85.4
0	-16.7	63.9	1	-73.7
119	-18.8	64.7	23	-78.8
0	-20.3	65.6	1	-81.9
120	-20.1	66.6	23	-87.0
0	-18.4	67.6	1	-101.4
121	-17.6	68.7	23	-106.7
0	-17.6	69.8	0	-111.5
122	-18.3	70.9	23	-116.0
0	-18.6	72.1	0	-121.1
123	-17.4	73.4	23	-125.3
0	-15.6	74.7	0	-130.1
124	-14.6	76.0	23	-133.9
0	-14.9	77.4	0	-137.9
125	-15.9	78.8	22	-141.3
0	-16.4	80.2	9	-145.8
126	-15.1	81.7	22	-149.6
0	-12.9	83.2	9	-153.3
127	-11.3	84.8	22	-156.0
0	-11.3	86.4	8	-158.9
128	-12.2	88.0	22	-161.5
0	-12.9	89.6	8	-164.2
129	-11.4	91.3	22	-167.4
0	-9.5	93.0	7	-169.8
130			22	
0			6	
131			22	
0			6	
132			22	
0			5	
133			22	

157	-8.1	94.7	193	-171.7
0	-9.2	96.4	191	-173.5
158	-11.3	98.2	189	-175.1
0	-11.5	99.9	188	-177.8
159	-9.9	101.7	186	-180.4
0	-6.6	103.6	184	-182.3
160	-6.0	105.4	182	-183.4
0	-7.9	107.2	180	-184.4
161	-10.0	109.1	178	-185.8
0	-10.3	111.0	176	-187.9
162	-8.9	112.9	175	-190.0
0	-7.3	114.8	173	-191.6
163	-6.9	116.7	171	-192.4
0	-7.6	118.6	169	-194.0
164	-8.5	120.6	167	-195.4
0	-8.7	122.5	165	-196.7
165	-8.8	124.5	163	-198.0
0	-8.7	126.5	161	-199.9
166	-8.1	128.5	159	-201.7
0	-7.5	130.6	157	-202.8
167	-7.9	132.6	155	-204.1
0	-9.4	134.7	153	-205.7
168	-9.6	136.7	151	-207.6
0	-8.7	138.8	149	-209.2
169	-7.6	140.9	147	-210.5
0	-7.7	143.0	144	-211.9
170	-8.1	145.2	142	-213.2
0	-6.9	147.3	140	-214.3
171	-6.0	149.5	138	-215.3
0	-6.2	151.6	136	-216.1
172	-6.1	153.8	134	-217.2
0	-5.2	156.0	131	-217.7
173	-3.7	158.1	129	-218.3
0	-3.5	160.3	127	-218.3
174	-4.2	162.5	125	-218.3
0	-4.7	164.7	123	-218.5
175	-4.2	166.9	121	-218.5
0	-3.0	169.1	118	-218.8
176	-2.6	171.2	116	-218.5
0	-2.3	173.4	114	-218.3
177	-2.2	175.6	112	-217.7
0	-2.2	177.8	110	-217.5
178	-1.8	180.0	107	-216.9
0	1.2	182.1	105	-216.4
179	7.1	184.3	103	-214.5
0	9.1	186.4	101	-211.1
180	6.1	188.4	99	-185.8
0	-3.4	190.3	97	-193.2
181	-29.2	191.8	96	-147.7
0	-59.1	193.1	94	-125.3
182	-70.2	194.2	93	-116.0
0	-55.5	195.1	92	-88.3
183	-29.4	195.9	92	-71.0
0	-2.2	196.5	91	-51.3
184				
0				
185				
0				
186				
0				
187				

211	0.8	197.0	90	-46.0
0	-0.8	197.4	90	-34.8
212	-0.8	197.7	90	-31.9
0	-0.9	198.0	89	-23.6
213	-0.8	198.2	89	-24.2
0	-0.8	198.4	89	-18.3
214	-0.5	198.6	89	-16.7
0	-0.1	198.7	89	-12.7
215	0.3	198.8	89	-9.5
0	1.2	198.9	89	-9.5
216	11.7	199.0	88	-6.3
0	26.2	199.0	88	-1.0
217	32.1	199.0	88	2.6
0	25.8	198.9	89	10.6
218	14.0	198.7	89	16.7
0	5.3	198.5	89	18.3
219	6.6	198.3	89	23.9
0	15.9	198.1	89	26.3
220	24.0	197.8	90	28.2
0	25.8	197.5	90	35.1
221	19.4	197.1	90	37.2
0	9.1	196.6	91	51.3
222	4.3	196.1	91	48.7
0	7.9	195.6	92	44.9
223	17.1	195.1	92	47.9
0	25.0	194.6	93	51.6
224	25.0	193.9	94	70.5
0	18.3	193.3	94	70.0
225	9.8	192.5	95	67.0
0	5.8	191.7	96	84.6
226	9.4	190.9	97	86.2
0	16.8	190.1	97	88.9
227	23.1	189.3	98	94.2
0	23.9	188.4	99	100.8
228	19.5	187.4	100	107.5
0	13.3	186.4	101	102.4
229	11.3	185.4	102	105.9
0	13.8	184.3	103	108.8
230	19.1	183.2	104	112.8
0	22.1	182.0	105	118.2
231	20.5	180.8	107	124.0
0	15.1	179.5	108	129.1
232	11.0	178.2	109	132.8
0	10.8	176.8	111	135.5
233	14.6	175.4	112	138.4
0	18.3	174.0	113	141.8
234	19.3	172.6	115	146.6
0	15.1	171.1	116	151.7
235	9.5	169.5	118	155.2
0	6.4	168.0	119	156.8
236	7.1	166.4	121	158.1
0	10.7	164.8	123	159.7
237	13.7	163.2	124	161.8
0	13.8	161.5	126	165.3
238				
0				
239				
0				
240				
0				
241				

265	11.5	159.9	12	168.5
0	7.9	158.2	8	170.9
266	5.3	156.4	12	172.2
0	6.1	154.7	9	173.0
267	8.5	153.0	13	174.1
0	11.0	151.2	1	176.2
268	10.4	149.4	13	178.3
0	7.3	147.6	3	180.4
269	4.6	145.8	13	181.8
0	4.1	144.0	4	182.3
270	6.5	142.2	13	182.6
0	9.4	140.3	6	183.6
271	10.0	138.5	13	185.8
0	8.0	136.6	8	187.6
272	5.0	134.7	14	189.0
0	3.0	132.8	0	189.5
273	3.3	130.9	14	189.5
0	5.0	129.0	2	189.5
274	6.6	127.1	14	190.3
0	6.4	125.2	3	191.4
275	4.9	123.3	14	192.2
0	2.7	121.4	5	193.0
276	2.2	119.4	14	192.7
0	2.3	117.5	7	192.7
277	2.3	115.6	14	192.2
0	2.3	113.7	9	191.9
278	2.2	111.8	15	191.6
0	2.0	109.8	1	191.4
279	1.9	107.9	15	191.1
0	1.9	106.0	3	190.8
280	1.8	104.1	15	190.6
0	1.8	102.2	5	190.0
281	1.5	100.3	15	189.5
0	0.0	98.4	7	188.7
282	-1.9	96.5	15	187.9
0	-3.0	94.7	8	186.6
283	-2.4	92.8	16	184.7
0	-1.1	91.0	0	183.1
284	0.0	89.2	16	181.8
0	-0.5	87.4	2	181.0
285	-1.9	85.6	16	180.2
0	-3.0	83.8	4	178.3
286	-1.8	82.0	16	176.7
0	-0.4	80.2	6	175.1
287	0.0	78.5	16	174.3
0	-1.5	76.8	8	173.5
288	-4.2	75.0	17	171.7
0	-5.6	73.3	0	169.8
289	-4.2	71.7	17	167.1
0	-2.0	70.0	2	165.3
290	-1.8	68.4	17	163.7
0	-3.5	66.8	4	145.6
291	0.8	65.3	17	144.8
0	3.0	64.0	6	113.4
292			17	
0			8	
293			18	
0			0	
294			18	
0			1	
295			12	

319	14.1	62.9	22	110.4
0	28.1	61.8	5	106.4
320	31.1	61.0	22	84.6
0	18.8	60.2	6	72.6
321	6.1	59.6	22	62.2
0	0.0	59.0	6	53.2
322	0.7	58.5	22	41.5
0	0.3	58.1	7	40.1
323	0.0	57.7	22	38.3
0	-1.2	57.4	8	30.0
324	-11.4	57.2	22	25.5
0	-20.2	57.0	8	22.0
325	-20.3	56.8	22	14.3
0	-12.6	56.7	9	8.5
326	-6.6	56.6	22	7.4
0	-8.3	56.6	9	4.7
327	-16.7	56.5	23	2.1
0	-24.5	56.6	0	-2.3
328	-26.3	56.6	23	-7.1
0	-21.2	56.7	0	-12.5
329	-14.1	56.9	23	-17.3
0	-10.8	57.1	0	-20.4
330	-13.2	57.4	23	-28.4
0	-16.8	57.7	0	-29.5
331	-18.4	58.0	23	-30.8
0	-16.7	58.4	1	-35.1
332	-13.8	58.8	23	-39.1
0	-13.2	59.3	1	-47.1
333	-15.5	59.8	23	-50.5
0	-18.6	60.3	1	-49.2
334	-19.3	60.9	23	-65.7
0	-16.8	61.5	1	-70.5
335	-13.7	62.2	23	-75.6
0	-12.2	62.9	1	-79.6
336	-12.6	63.7	23	-83.5
0	-14.8	64.5	1	-87.0
337	-16.7	65.3	23	-91.3
0	-16.3	66.2	1	-96.1
338	-14.9	67.1	23	-100.6
0	-14.0	68.0	1	-95.3
339	-14.5	69.0	23	-99.3
0	-15.6	70.0	1	-102.7
340	-15.7	71.1	23	-107.0
0	-14.6	72.2	0	-111.2
341	-12.2	73.3	23	-114.4
0	-10.6	74.5	0	-117.9
342	-10.3	75.7	23	-120.0
0	-11.8	76.9	0	-122.7
343	-13.2	78.1	22	-125.6
0	-13.4	79.4	9	-128.8
344	-11.8	80.7	22	-132.3
0	-9.6	82.1	9	-134.7
345	-8.7	83.5	22	-137.1
0	-8.9	84.8	9	-138.9
346			22	
0			8	
347			22	
0			8	
348			22	
0			7	
349			22	

373	-10.0	86.2	20	-141.0
0	-10.6	87.7	1	-143.2
374	-9.9	89.1	20	-145.6
0	-8.4	90.6	0	-147.7
375	-6.9	92.1	19	-149.3
0	-6.6	93.6	8	-150.9
376	-8.3	95.1	19	-152.2
0	-9.5	96.6	7	-153.8
377	-9.6	98.2	19	-156.0
0	-7.1	99.8	5	-157.8
378	-4.3	101.4	19	-159.4
0	-3.8	103.0	4	-159.7
379	-4.9	104.6	19	-160.2
0	-7.3	106.2	2	-161.0
380	-9.1	107.8	19	-162.3
0	-8.0	109.4	1	-164.5
381	-5.3	111.1	18	-165.5
0	-3.5	112.7	9	-166.6
382	-4.2	114.4	18	-166.9
0	-6.2	116.1	8	-167.4
383	-7.6	117.8	18	-168.5
0	-6.9	119.5	6	-169.5
384	-4.6	121.2	18	-170.9
0	-3.8	122.9	4	-171.4
385	-4.6	124.6	18	-171.7
0	-6.9	126.3	3	-172.5
386	-8.5	128.1	18	-173.5
0	-8.1	129.8	1	-175.1
387	-6.2	131.6	18	-176.5
0	-4.9	133.3	0	-177.5
388	-4.6	135.1	17	-177.8
0	-5.0	136.9	8	-178.6
389	-5.7	138.7	17	-179.4
0	-6.2	140.5	6	-179.9
390	-6.6	142.3	17	-181.0
0	-6.9	144.1	5	-182.3
391	-6.0	145.9	17	-183.1
0	-4.5	147.8	3	-183.9
392	-4.2	149.6	17	-184.4
0	-5.2	151.5	1	-184.7
393	-6.1	153.3	17	-185.2
0	-5.2	155.2	0	-186.3
394	-2.6	157.1	16	-186.8
0	-2.0	158.9	8	-186.6
395	-2.2	160.8	16	-186.6
0	-2.2	162.6	6	-186.0
396	-2.0	164.5	16	-185.8
0	-2.0	166.4	5	-185.5
397	-1.9	168.2	16	-185.5
0	-1.8	170.1	3	-184.7
398	-0.4	171.9	16	-184.2
0	4.2	173.8	1	-183.4
399	7.5	175.6	15	-180.4
0	6.5	177.3	9	-177.3
400			15	
0			8	
401			15	
0			6	
402			15	
0			4	
403			15	

427	2.6	179.1	108	-174.9
0	1.1	180.8	107	-173.3
428	1.8	182.6	105	-172.2
0	3.9	184.3	103	-171.1
429	6.8	186.0	101	-168.5
0	8.0	187.6	100	-148.8
430	2.0	189.1	98	-134.9
0	-3.4	190.5	97	-130.7
431	-16.1	191.7	96	-102.7
0	-36.9	192.7	95	-100.6
432	-44.3	193.6	94	-88.1
0	-34.8	194.4	93	-68.4
433	-17.8	195.1	92	-64.9
0	-0.7	195.6	92	-48.9
434	0.0	196.1	91	-46.8
0	-0.9	196.6	91	-36.7
435	-1.4	196.9	91	-35.4
0	-4.1	197.2	90	-27.4
436	-9.5	197.5	90	-27.1
0	-10.6	197.8	90	-25.5
437	-5.8	198.0	89	-20.2
0	1.4	198.2	89	-14.9
438	0.8	198.3	89	-14.6
0	3.1	198.4	89	-11.4
439	16.7	198.5	89	-9.5
0	25.4	198.6	89	-2.6
440	24.8	198.6	89	2.1
0	17.9	198.5	89	6.9
441	9.4	198.4	89	11.4
0	6.6	198.2	89	13.5
442	11.9	198.1	89	15.1
0	20.6	197.9	90	18.3
443	27.0	197.6	90	23.6
0	26.2	197.3	90	36.7
444	20.2	196.9	91	39.9
0	13.8	196.5	91	40.7
445	12.3	196.0	91	53.7
0	16.3	195.5	92	52.4
446	22.6	195.0	92	56.9
0	26.0	194.3	93	56.9
447	23.7	193.7	94	63.3
0	17.2	192.9	95	83.5
448	12.2	192.1	95	80.6
0	11.7	191.3	96	75.3
449	15.7	190.4	97	78.0
0	21.2	189.5	98	81.9
450	22.9	188.6	99	86.7
0	20.7	187.6	100	92.1
451	15.2	186.5	101	107.5
0	11.8	185.4	102	111.2
452	11.8	184.2	103	114.2
0	15.2	183.1	104	117.6
453	18.6	181.9	106	121.3
0	17.9	180.6	107	126.1
454				
0				
455				
0				
456				
0				
457				

481	14.2	179.3	10	130.9
0	10.6	178.0	8	134.7
482	9.2	176.6	10	136.8
0	10.3	175.2	9	138.9
483	13.3	173.8	11	141.3
0	14.4	172.4	1	144.8
484	12.1	170.9	11	148.2
0	8.1	169.4	2	150.9
485	5.6	167.9	11	152.8
0	5.4	166.3	4	153.6
486	7.9	164.8	11	154.4
0	10.2	163.2	5	156.0
487	11.4	161.7	11	158.4
0	10.2	160.0	7	161.0
488	7.6	158.4	11	163.1
0	5.2	156.8	8	164.5
489	5.3	155.1	12	165.3
0	6.9	153.5	0	166.3
490	9.1	151.8	12	167.7
0	9.8	150.1	1	169.3
491	8.0	148.4	12	171.4
0	5.6	146.7	3	173.0
492	3.9	144.9	12	173.5
0	5.0	143.2	4	174.1
493	7.5	141.4	12	174.9
0	9.1	139.7	6	176.2
494	8.1	137.9	12	177.8
0	5.3	136.1	7	179.4
495	3.3	134.3	12	179.9
0	3.3	132.5	9	180.2
496	4.9	130.7	13	180.4
0	6.8	128.9	1	181.0
497	7.3	127.1	13	182.3
0	5.6	125.3	2	183.4
498	3.8	123.4	13	184.4
0	2.7	121.6	4	184.4
499	2.8	119.7	13	184.4
0	3.5	117.9	6	184.4
500	3.8	116.0	13	184.4
0	3.5	114.2	7	184.7
501	2.7	112.3	13	185.0
0	2.2	110.5	9	185.0
502	2.0	108.6	14	184.7
0	2.0	106.8	1	184.4
503	1.9	105.0	14	184.4
0	1.9	103.1	3	183.9
504	2.0	101.3	14	183.6
0	1.9	99.4	4	183.1
505	1.9	97.6	14	182.8
0	1.8	95.8	6	182.8
506	1.8	94.0	14	182.3
0	1.5	92.1	8	182.0
507	0.3	90.3	15	181.5
0	-0.8	88.5	0	180.4
508			15	
0			1	
509			15	
0			3	
510			15	
0			5	
511			15	

535	-1.1	86.7	20	179.4
0	-0.7	84.9	1	178.1
536	0.1	83.2	20	177.3
0	1.2	81.4	3	176.7
537	1.5	79.6	20	176.2
0	0.5	77.9	4	175.9
538	-0.8	76.1	20	174.9
0	-1.9	74.4	6	173.8
539	-1.5	72.6	20	172.5
0	-0.4	70.9	8	171.4
540	-0.9	69.2	21	170.3
0	-3.4	67.5	0	169.0
541	-2.6	66.0	21	160.7
0	2.8	64.5	1	126.9
542	15.3	63.3	21	120.8
0	34.0	62.2	3	94.7
543	39.9	61.2	21	92.1
0	28.9	60.4	5	78.8
544	12.5	59.7	21	66.8
0	1.8	59.1	7	56.4
545	1.1	58.6	21	48.7
0	5.3	58.2	8	42.5
546	8.0	57.8	22	40.4
0	5.2	57.4	0	31.6
547	-1.2	57.2	22	26.8
0	-0.4	56.9	1	23.4
548	-1.6	56.7	22	18.1
0	-8.7	56.5	3	16.7
549	-15.7	56.4	22	13.8
0	-17.2	56.3	4	7.7
550	-17.2	56.3	22	2.6
0	-19.3	56.3	5	-1.3
551	-25.0	56.3	22	-5.3
0	-28.3	56.4	6	-12.5
552	-26.2	56.6	22	-20.7
0	-19.3	56.8	7	-28.2
553	-13.2	57.1	22	-30.6
0	-11.1	57.4	8	-30.6
554	-14.2	57.8	22	-40.9
0	-18.4	58.2	8	-41.2
555	-21.3	58.6	22	-41.5
0	-21.2	59.2	9	-56.9
556	-19.1	59.7	22	-56.9
0	-17.0	60.3	9	-55.9
557	-16.0	61.0	23	-66.5
0	-15.7	61.7	0	-63.8
558	-15.7	62.4	23	-82.2
0	-15.2	63.2	0	-86.7
559	-14.6	64.0	23	-91.5
0	-15.3	64.9	0	-78.0
560	-16.8	65.7	23	-81.4
0	-17.5	66.7	1	-85.4
561	-16.8	67.7	23	-99.3
0	-15.7	68.7	1	-104.0
562			23	
0			1	
563			23	
0			1	
564			23	
0			1	
565			23	

589	-14.2	69.8	21	-108.0
0	-13.7	70.9	8	-111.5
590	-13.8	72.1	21	-115.5
0	-13.4	73.2	7	-118.4
591	-12.7	74.5	21	-122.1
0	-11.9	75.7	5	-125.1
592	-11.8	77.0	21	-127.7
0	-12.5	78.3	4	-130.9
593	-13.4	79.6	21	-133.9
0	-13.4	81.0	3	-137.1
594	-12.1	82.4	21	-140.5
0	-10.4	83.8	2	-143.2
595	-10.2	85.2	21	-145.6
0	-10.7	86.7	0	-147.7
596	-11.8	88.2	20	-150.6
0	-11.9	89.7	9	-153.0
597	-10.0	91.3	20	-156.0
0	-7.9	92.9	8	-157.8
598	-8.1	94.5	20	-159.7
0	-10.3	96.1	6	-161.5
599	-12.9	97.7	20	-163.4
0	-12.3	99.4	5	-166.6
600	-9.8	101.0	20	-169.3
0	-7.1	102.8	4	-171.1
601	-6.2	104.5	20	-172.5
0	-8.5	106.2	2	-173.3
602	-11.3	108.0	20	-175.1
0	-11.3	109.7	1	-177.5
603	-8.7	111.5	19	-179.9
0	-6.1	113.3	9	-181.8
604	-5.8	115.2	19	-182.8
0	-7.6	117.0	8	-183.9
605	-9.2	118.8	19	-185.0
0	-9.4	120.7	6	-186.8
606	-7.6	122.6	19	-188.4
0	-6.2	124.5	5	-189.5
607	-6.1	126.4	19	-190.8
0	-6.8	128.3	3	-191.9
608	-7.5	130.2	19	-192.7
0	-8.0	132.2	1	-193.5
609	-8.4	134.1	19	-195.1
0	-7.3	136.1	0	-196.7
610	-5.3	138.0	18	-197.8
0	-3.9	140.0	8	-198.3
611	-4.5	142.0	18	-198.6
0	-6.8	144.0	6	-199.1
612	-7.7	146.0	18	-200.1
0	-6.5	148.0	5	-201.5
613	-4.7	150.0	18	-202.3
0	-4.2	152.1	3	-202.5
614	-4.3	154.1	18	-202.8
0	-4.5	156.1	1	-203.1
615	-3.7	158.2	17	-203.6
0	-3.5	160.2	9	-203.6
616			17	
0			8	
617			17	
0			6	
618			17	
0			4	
619			17	

643	-3.4	162.2	125	-203.3
0	-2.7	164.3	123	-203.6
644	-2.2	166.3	121	-203.3
0	-2.0	168.3	119	-203.1
645	-1.9	170.4	117	-202.8
0	-1.8	172.4	115	-202.3
646	0.4	174.4	113	-201.7
0	7.3	176.4	111	-199.9
647	11.1	178.4	109	-195.9
0	8.5	180.3	107	-191.6
648	3.0	182.2	105	-189.0
0	-1.6	184.1	103	-187.6
649	-0.7	186.0	101	-187.1
0	4.1	187.8	100	-185.8
650	3.0	189.5	98	-166.3
0	-3.0	190.9	97	-127.2
651	-13.2	192.2	95	-121.3
0	-34.4	193.3	94	-104.3
652	-44.1	194.3	93	-89.7
0	-33.1	195.0	92	-76.9
653	-13.4	195.7	92	-63.3
0	1.4	196.2	91	-46.8
654	0.8	196.7	91	-44.4
0	5.7	197.1	90	-33.5
655	9.2	197.4	90	-30.8
0	7.1	197.7	90	-23.4
656	4.3	197.9	90	-22.6
0	2.6	198.1	89	-19.7
657	4.5	198.3	89	-18.3
0	9.4	198.4	89	-13.5
658	15.3	198.6	89	-9.5
0	19.4	198.6	89	-5.3
659	19.9	198.6	89	0.7
0	20.3	198.6	89	2.3
660	19.5	198.5	89	8.7
0	18.8	198.4	89	14.3
661	19.8	198.2	89	19.9
0	21.3	198.0	89	26.3
662	22.5	197.8	90	29.5
0	22.5	197.4	90	32.2
663	21.0	197.0	90	45.7
0	19.3	196.6	91	47.1
664	18.2	196.0	91	47.1
0	19.0	195.5	92	63.0
665	20.5	194.9	93	62.2
0	21.7	194.2	93	60.9
666	21.3	193.5	94	73.4
0	19.5	192.7	95	86.5
667	17.4	191.9	96	92.3
0	16.0	191.0	96	79.8
668	15.9	190.1	97	83.5
0	17.1	189.2	98	86.7
669	17.8	188.2	99	91.0
0	18.3	187.1	100	105.6
670				
0				
671				
0				
672				
0				
673				

697	17.4	186.0	10	110.7
0	16.1	184.8	1	115.0
698	16.4	183.6	10	119.5
0	17.2	182.4	3	123.5
699	17.6	181.1	10	128.3
0	16.4	179.8	4	132.8
700	15.2	178.5	10	137.1
0	14.2	177.1	5	141.0
701	13.4	175.6	10	144.2
0	13.3	174.2	6	147.4
702	13.7	172.7	10	150.6
0	13.3	171.1	8	154.1
703	13.0	169.6	10	157.6
0	12.3	168.0	9	160.2
704	11.1	166.3	11	162.9
0	10.7	164.7	0	165.5
705	10.3	163.0	11	167.7
0	10.2	161.3	2	170.1
706	10.3	159.6	11	172.2
0	9.8	157.9	3	174.6
707	8.7	156.1	11	176.7
0	8.3	154.3	5	178.3
708	8.3	152.5	11	179.9
0	8.5	150.7	6	181.8
709	8.0	148.9	11	183.1
0	7.1	147.0	8	184.7
710	5.8	145.2	11	186.0
0	5.4	143.3	9	186.8
711	6.2	141.4	12	187.4
0	7.2	139.5	1	188.7
712	6.8	137.7	12	190.0
0	5.7	135.7	3	190.6
713	4.6	133.8	12	191.6
0	4.1	131.9	4	191.9
714	4.2	130.0	12	192.4
0	4.3	128.1	6	192.7
715	3.8	126.1	12	193.2
0	3.4	124.2	8	193.2
716	2.8	122.3	13	193.5
0	2.6	120.3	0	193.2
717	2.4	118.4	13	193.2
0	2.7	116.5	1	193.0
718	3.1	114.5	13	192.7
0	3.3	112.6	3	192.7
719	3.3	110.7	13	192.7
0	2.8	108.8	5	192.7
720	2.2	106.8	13	193.0
0	1.9	104.9	7	192.4
721	1.9	103.0	13	192.2
0	1.9	101.1	9	191.9
722	1.8	99.1	14	191.6
0	1.8	97.2	0	191.1
723	0.1	95.3	14	190.6
0	-3.4	93.4	2	189.2
724			14	
0			4	
725			14	
0			6	
726			14	
0			8	
727			15	

751	-4.9	91.5	19	187.4
0	-2.4	89.7	6	184.7
752	0.8	87.9	19	183.4
0	1.6	86.0	8	183.1
753	-0.1	84.2	20	182.6
0	-2.2	82.4	0	181.2
754	-2.7	80.6	20	179.7
0	-1.4	78.8	1	178.1
755	-0.4	77.0	20	177.0
0	-1.2	75.3	3	175.7
756	-2.8	73.5	20	174.6
0	-4.2	71.8	5	172.5
757	-4.6	70.1	20	170.1
0	-5.0	68.4	7	167.9
758	-5.4	66.8	20	148.8
0	0.7	65.2	9	162.3
759	3.0	63.9	21	129.1
0	13.7	62.8	0	112.0
760	27.3	61.8	21	88.1
0	28.9	60.9	2	85.1
761	16.7	60.1	21	73.2
0	4.2	59.5	4	62.5
762	0.0	58.9	21	53.5
0	0.8	58.4	6	41.2
763	0.3	58.0	21	39.9
0	0.0	57.7	7	34.6
764	-1.2	57.3	21	32.7
0	-10.6	57.1	9	25.0
765	-19.0	56.9	22	19.9
0	-19.3	56.7	1	12.7
766	-12.2	56.6	22	10.9
0	-8.3	56.5	2	7.1
767	-12.1	56.5	22	5.0
0	-21.0	56.5	4	0.0
768	-29.6	56.5	22	-3.7
0	-31.2	56.6	5	-10.9
769	-24.7	56.8	22	-20.7
0	-16.7	57.0	6	-27.9
770	-13.0	57.3	22	-29.5
0	-14.8	57.6	7	-30.0
771	-18.7	58.0	22	-41.5
0	-20.2	58.4	7	-42.8
772	-18.2	58.8	22	-43.1
0	-15.5	59.4	8	-47.6
773	-15.5	59.9	22	-62.2
0	-17.9	60.5	9	-60.6
774	-20.5	61.1	22	-60.1
0	-21.3	61.8	9	-64.1
775	-19.8	62.6	22	-69.2
0	-17.0	63.4	9	-73.4
776	-15.6	64.2	23	-77.4
0	-16.7	65.1	0	-80.9
777	-18.6	66.1	23	-85.1
0	-19.3	67.1	0	-89.4
778			23	
0			0	
779			23	
0			1	
780			23	
0			1	
781			23	

805	-18.0	68.1	21	-104.0
0	-16.7	69.2	9	-109.1
806	-15.6	70.3	21	-113.1
0	-15.9	71.5	8	-117.4
807	-16.5	72.7	21	-121.6
0	-16.0	74.0	7	-125.6
808	-14.5	75.2	21	-130.1
0	-12.5	76.6	6	-133.3
809	-11.8	77.9	21	-136.5
0	-12.5	79.3	5	-139.2
810	-12.9	80.7	21	-142.4
0	-11.7	82.2	3	-145.6
811	-10.3	83.7	21	-148.2
0	-9.2	85.1	2	-150.4
812	-9.9	86.7	21	-152.2
0	-11.7	88.2	1	-154.9
813	-12.9	89.8	21	-157.3
0	-11.3	91.4	0	-160.5
814	-8.5	93.0	20	-163.1
0	-6.9	94.6	8	-164.5
815	-7.7	96.3	20	-166.1
0	-9.6	98.0	7	-167.4
816	-10.3	99.7	20	-169.5
0	-9.4	101.4	5	-171.9
817	-6.9	103.1	20	-173.3
0	-6.4	104.9	4	-174.6
818	-7.7	106.6	20	-175.7
0	-9.8	108.4	2	-177.0
819	-9.9	110.2	20	-178.9
0	-8.0	112.0	1	-181.2
820	-6.4	113.8	19	-182.3
0	-6.4	115.6	9	-183.4
821	-7.2	117.5	19	-184.4
0	-7.7	119.3	8	-185.8
822	-7.3	121.2	19	-186.8
0	-7.1	123.1	6	-188.4
823	-7.1	124.9	19	-189.2
0	-7.1	126.8	4	-190.3
824	-6.9	128.8	19	-191.6
0	-6.1	130.7	3	-192.7
825	-5.8	132.6	19	-193.2
0	-6.1	134.6	1	-193.8
826	-5.7	136.5	18	-195.1
0	-5.0	138.5	9	-195.6
827	-4.6	140.4	18	-195.9
0	-5.3	142.4	8	-196.7
828	-6.8	144.4	18	-197.2
0	-6.9	146.3	6	-198.3
829	-5.3	148.3	18	-199.1
0	-3.7	150.3	4	-199.9
830	-3.5	152.3	18	-199.6
0	-3.5	154.3	3	-199.9
831	-3.5	156.3	18	-199.9
0	-2.7	158.3	1	-199.9
832			17	
0			9	
833			17	
0			7	
834			17	
0			5	
835			17	

859	-2.7	160.3	127	-200.1
0	-2.4	162.3	125	-199.6
860	-2.2	164.3	123	-199.4
0	-2.0	166.3	121	-198.8
861	-2.0	168.3	119	-198.8
0	-1.9	170.3	117	-198.3
862	-1.4	172.3	115	-198.0
0	3.9	174.2	113	-196.7
863	10.0	176.2	111	-194.0
0	10.7	178.1	109	-189.8
864	6.0	180.0	107	-186.0
0	2.2	181.8	106	-184.2
865	0.5	183.6	104	-182.6
0	2.7	185.4	102	-181.2
866	7.7	187.2	100	-179.4
0	7.7	188.9	99	-151.2
867	-3.8	190.4	97	-143.4
0	-7.1	191.7	96	-110.7
868	-27.4	192.8	95	-107.2
0	-40.1	193.7	94	-93.4
869	-35.8	194.6	93	-71.8
0	-19.4	195.3	92	-67.0
870	-0.8	195.9	92	-50.3
0	0.1	196.4	91	-47.1
871	-0.7	196.8	91	-36.2
0	-0.9	197.1	90	-37.2
872	-0.9	197.4	90	-29.2
0	-1.2	197.7	90	-23.1
873	-3.8	197.9	90	-21.5
0	-8.7	198.1	89	-17.0
874	-9.5	198.3	89	-16.5
0	-3.5	198.5	89	-15.4
875	1.6	198.6	89	-11.1
0	0.8	198.7	89	-8.7
876	8.8	198.8	89	-8.7
0	22.9	198.8	89	-4.2
877	28.2	198.8	89	1.5
0	24.1	198.7	89	8.7
878	12.9	198.6	89	15.4
0	3.5	198.4	89	19.1
879	4.1	198.3	89	20.4
0	13.6	198.1	89	22.3
880	25.0	197.8	90	26.8
0	29.2	197.5	90	34.3
881	24.4	197.2	90	38.8
0	14.1	196.7	91	40.4
882	7.1	196.2	91	53.2
0	9.1	195.8	92	50.3
883	17.8	195.2	92	53.2
0	26.3	194.7	93	52.4
884	27.9	194.0	93	58.8
0	21.3	193.3	94	79.6
885	12.7	192.6	95	77.7
0	7.9	191.8	96	72.9
886				
0				
887				
0				
888				
0				
889				

913	10.6	190.9	97	91.3
0	18.3	190.0	97	94.5
914	25.4	189.1	98	99.8
0	25.9	188.2	99	107.0
915	19.9	187.2	100	114.4
0	11.8	186.1	101	108.8
916	8.4	185.0	102	112.0
0	11.3	183.8	104	114.2
917	18.2	182.7	105	117.6
0	23.1	181.5	106	122.4
918	21.4	180.2	107	128.5
0	15.6	178.9	109	133.9
919	10.4	177.5	110	137.9
0	9.4	176.1	111	140.2
920	13.3	174.7	113	142.6
0	18.0	173.2	114	146.1
921	19.7	171.7	116	150.6
0	15.5	170.2	117	155.4
922	9.2	168.6	119	159.2
0	5.6	167.0	120	161.3
923	6.6	165.4	122	162.1
0	11.4	163.7	124	163.7
924	15.3	162.1	125	166.3
0	15.7	160.4	127	170.3
925	11.3	158.7	129	173.8
0	5.3	156.9	131	176.2
926	2.6	155.1	132	177.0
0	3.9	153.4	134	176.7
927	8.3	151.6	136	177.3
0	11.5	149.8	138	178.9
928	10.7	148.0	139	181.5
0	6.1	146.2	141	183.6
929	2.0	144.3	143	184.2
0	2.0	142.5	145	184.2
930	2.7	140.7	147	183.6
0	4.1	138.8	149	183.6
931	5.8	137.0	150	184.2
0	5.3	135.1	152	185.0
932	3.1	133.3	154	185.5
0	1.8	131.4	156	185.8
933	1.8	129.6	158	185.2
0	1.8	127.7	160	185.0
934	1.8	125.9	162	184.4
0	1.8	124.0	163	184.4
935	0.9	122.2	165	183.6
0	-1.6	120.4	167	182.8
936	-3.4	118.5	169	181.5
0	-1.4	116.7	171	179.9
937	1.6	114.9	173	178.9
0	2.2	113.2	174	178.9
938	1.9	111.4	176	178.3
0	1.5	109.6	178	177.8
939	0.8	107.8	180	177.5
0	0.4	106.0	181	176.7
940				
0				
941				
0				
942				
0				
943				

9670	0.0	104.3	18	175.9
9680	-0.3	102.5	3	175.4
9690	-0.3	100.8	18	174.1
9700	0.1	99.0	5	173.3
9710	0.3	97.3	18	172.7
9720	-0.3	95.6	7	171.9
9730	-1.1	93.9	18	171.1
9740	-1.1	92.2	8	169.8
9750	0.0	90.5	19	168.7
9760	1.5	88.8	0	167.9
9770	1.6	87.1	19	167.7
9780	0.5	85.5	2	167.1
9790	-1.2	83.8	19	166.6
9800	-2.2	82.1	4	165.0
9810	-1.9	80.5	19	163.7
9820	-0.5	78.9	5	162.6
9830	-0.1	77.2	19	161.5
9840	-1.5	75.6	7	160.5
9850	-2.6	74.0	19	159.4
9860	-3.1	72.5	9	157.6
9870	-2.7	70.9	20	156.0
9880	-3.4	69.3	0	154.4
9890	-4.6	67.8	20	152.5
9900	-5.4	66.4	2	133.1
9910	1.8	65.0	20	143.4
9920	2.8	63.9	4	115.5
9930	11.5	62.8	20	101.6
9940	23.5	61.9	5	80.9
9950	26.2	61.1	20	79.6
9960	16.4	60.3	7	68.6
9970	6.6	59.7	20	59.9
9980	0.0	59.2	9	51.9
9990	0.5	58.7	21	40.7
10000	0.3	58.3	0	39.9
10010	0.0	57.9	21	31.6
10020	-0.7	57.6	2	30.3
10030	-10.0	57.4	21	25.8
10040	-20.9	57.1	3	18.3
10050	-22.2	57.0	21	15.7
10060	-16.0	56.9	5	9.0
10070	-11.1	56.8	21	4.7
10080	-13.7	56.8	7	1.8
10090	-22.8	56.8	21	-1.5
10100	-31.2	56.8	8	-7.4
10110	-31.9	57.0	22	-15.9
10120	-24.7	57.2	0	-25.2
10130	-16.7	57.5	22	-32.4
10140	-13.7	57.8	1	-34.0
10150	-16.0	58.1	22	-34.3
10160	-20.5	58.6	2	-46.5
10170	-21.8	59.0	22	-47.6
10180	-20.1	59.5	4	-47.9
10190	-16.5	60.1	22	-64.4
10200	-14.9	60.7	5	-62.8

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1021	-15.9	61.4	22	-60.4
0	-17.8	62.1	6	-78.0
1022	-17.4	62.9	22	-83.0
0	-14.4	63.7	5	-88.3
1023	-11.0	64.5	22	-92.1
0	-10.2	65.3	5	-94.7
1024	-11.8	66.2	22	-98.2
0	-14.2	67.1	4	-101.1
1025	-15.2	68.1	22	-95.5
0	-14.8	69.1	3	-99.8
1026	-12.9	70.1	22	-103.2
0	-12.3	71.2	2	-106.7
1027	-13.2	72.2	22	-110.2
0	-14.4	73.4	1	-113.1
1028	-14.6	74.5	22	-117.1
0	-13.7	75.7	0	-120.5
1029	-12.6	77.0	21	-124.3
0	-12.6	78.2	9	-127.5
1030	-13.6	79.5	21	-130.4
0	-14.1	80.9	8	-133.9
1031	-13.7	82.2	21	-137.3
0	-12.1	83.6	7	-140.5
1032	-11.5	85.1	21	-143.7
0	-12.6	86.5	6	-146.4
1033	-15.2	88.0	21	-149.6
0	-15.9	89.5	5	-153.0
1034	-15.2	91.1	21	-157.3
0	-12.3	92.7	4	-160.7
1035	-9.9	94.3	21	-163.7
0	-10.4	96.0	3	-165.8
1036	-12.5	97.7	21	-167.9
0	-13.4	99.4	2	-171.1
1037	-12.2	101.1	21	-174.1
0	-9.5	102.8	0	-176.5
1038	-7.7	104.6	20	-178.6
0	-8.0	106.4	9	-179.7
1039	-10.2	108.2	20	-181.2
0	-10.2	110.1	8	-183.4
1040	-8.3	111.9	20	-185.2
0	-6.0	113.8	7	-186.8
1041	-5.0	115.6	20	-187.6
0	-4.9	117.5	5	-188.4
1042	-4.9	119.4	20	-188.7
0	-4.6	121.3	4	-189.0
1043	-4.2	123.2	20	-189.8
0	-3.9	125.1	2	-190.0
1044	-3.5	127.0	20	-190.3
0	-3.1	128.9	1	-190.3
1045	-3.0	130.8	19	-190.3
0	-3.8	132.7	9	-190.0
1046	-4.7	134.6	19	-190.3
0	-4.9	136.5	8	-191.4
1047	-3.9	138.4	19	-191.6
0	-3.0	140.4	6	-191.9
1048			19	
0			5	
1049			19	
0			3	
1050			19	
0			1	
1051			19	

1075	-2.8	142.3	145	-191.6
0	-3.0	144.2	143	-191.6
1076	-2.7	146.1	141	-191.1
0	-2.4	148.0	139	-191.1
1077	-2.4	149.9	138	-191.4
0	-2.3	151.8	136	-190.8
1078	-2.2	153.7	134	-190.6
0	-2.2	155.7	132	-190.3
1079	-1.9	157.6	130	-190.3
0	-1.9	159.5	128	-189.8
1080	-1.8	161.3	126	-189.2
0	0.7	163.2	124	-189.0
1081	6.4	165.1	122	-186.8
0	9.1	167.0	120	-183.6
1082	7.5	168.8	119	-180.2
0	3.0	170.6	117	-177.8
1083	0.5	172.3	115	-175.9
0	1.1	174.1	113	-175.1
1084	3.9	175.8	112	-173.3
0	7.6	177.5	110	-170.6
1085	8.9	179.2	108	-167.7
0	8.0	180.9	107	-164.2
1086	4.9	182.5	105	-161.3
0	2.0	184.1	103	-159.7
1087	2.3	185.7	102	-157.8
0	5.4	187.2	100	-156.2
1088	6.2	188.7	99	-161.8
0	-2.4	190.0	97	-128.0
1089	-2.7	191.2	96	-101.1
0	-12.5	192.2	95	-108.8
1090	-26.6	193.1	94	-87.5
0	-29.2	193.9	94	-77.2
1091	-18.8	194.6	93	-60.4
0	-2.8	195.2	92	-62.8
1092	0.7	195.7	92	-49.5
0	0.3	196.2	91	-47.6
1093	7.2	196.5	91	-37.5
0	13.8	196.9	91	-34.6
1094	14.9	197.1	90	-26.8
0	12.6	197.4	90	-25.0
1095	9.8	197.6	90	-19.7
0	9.8	197.8	90	-18.3
1096	13.2	197.9	90	-13.5
0	18.2	198.0	89	-8.2
1097	22.0	198.1	89	-3.4
0	23.3	198.1	89	1.5
1098	24.0	198.0	89	5.8
0	23.2	197.9	90	11.1
1099	21.8	197.8	90	16.2
0	22.0	197.5	90	26.0
1100	23.3	197.2	90	32.7
0	25.1	196.9	91	36.2
1101	25.9	196.5	91	38.8
0	25.0	196.0	91	44.9
1102				
0				
1103				
0				
1104				
0				
1105				

1129	22.6	195.4	92	62.5
0	21.3	194.9	93	62.5
1130	21.2	194.2	93	62.5
0	22.6	193.5	94	66.8
1131	24.3	192.7	95	72.1
0	24.5	191.8	96	78.0
1132	22.9	190.9	97	102.4
0	20.9	189.9	98	98.7
1133	19.1	188.9	99	93.7
0	19.4	187.8	100	98.2
1134	20.6	186.6	101	114.2
0	21.0	185.5	102	119.8
1135	20.9	184.2	103	125.3
0	20.1	182.9	105	130.9
1136	19.0	181.6	106	136.0
0	16.8	180.2	107	141.0
1137	16.7	178.7	109	145.6
0	16.8	177.2	110	149.6
1138	17.2	175.7	112	154.1
0	16.1	174.1	113	158.1
1139	14.2	172.5	115	162.1
0	11.7	170.9	117	165.5
1140	10.8	169.2	118	168.2
0	11.8	167.5	120	170.6
1141	12.6	165.8	122	173.3
0	12.5	164.0	123	176.2
1142	10.8	162.2	125	178.9
0	9.4	160.4	127	181.5
1143	8.3	158.6	129	183.4
0	8.0	156.7	131	184.7
1144	8.9	154.9	133	186.6
0	10.2	153.0	134	188.2
1145	10.7	151.1	136	190.3
0	9.8	149.2	138	192.4
1146	8.0	147.2	140	194.6
0	6.8	145.3	142	195.9
1147	6.2	143.3	144	197.0
0	7.3	141.4	146	197.8
1148	8.3	139.4	148	199.1
0	7.6	137.4	150	200.7
1149	5.6	135.3	152	201.7
0	3.9	133.3	154	202.3
1150	3.1	131.3	156	202.5
0	3.5	129.3	158	202.8
1151	4.1	127.2	160	202.8
0	3.9	125.2	162	202.8
1152	3.5	123.2	164	203.1
0	2.6	121.1	166	203.1
1153	2.2	119.1	168	203.1
0	2.0	117.1	170	202.5
1154	1.9	115.1	172	202.3
0	1.9	113.0	174	202.0
1155	1.9	111.0	176	201.5
0	1.6	109.0	178	200.9
1156				
0				
1157				
0				
1158				
0				
1159				

1183	-0.1	107.0	18	200.7
0	-5.2	105.0	0	198.8
1184	-7.2	103.0	18	196.4
0	-4.5	101.1	2	193.2
1185	0.4	99.2	18	191.6
0	2.2	97.3	4	191.1
1186	1.5	95.4	18	190.8
0	-0.9	93.5	6	190.0
1187	-4.5	91.6	18	188.7
0	-5.2	89.7	8	186.0
1188	-3.1	87.8	19	183.9
0	-0.9	86.0	0	182.3
1189	-1.5	84.2	19	181.0
0	-3.7	82.4	2	179.1
1190	-6.0	80.6	19	176.7
0	-6.6	78.9	4	174.1
1191	-6.1	77.2	19	171.7
0	-5.3	75.5	6	168.7
1192	-5.2	73.8	19	166.6
0	-5.8	72.1	8	163.9
1193	-7.5	70.5	20	161.3
0	-10.0	68.9	0	157.8
1194	-11.5	67.4	20	153.8
0	-9.1	66.0	1	129.1
1195	1.9	64.6	20	139.5
0	2.6	63.5	3	112.0
1196	6.9	62.5	20	98.5
0	15.3	61.6	5	78.0
1197	17.5	60.8	20	76.4
0	10.2	60.1	7	66.5
1198	1.4	59.5	20	57.5
0	-0.1	59.0	9	55.1
1199	0.0	58.6	21	43.9
0	-6.1	58.2	0	37.8
1200	-17.1	57.8	21	34.8
0	-22.0	57.6	2	25.8
1201	-20.5	57.3	21	21.5
0	-15.5	57.2	4	14.6
1202	-11.7	57.1	21	9.5
0	-12.7	57.0	5	7.9
1203	-16.4	56.9	21	3.4
0	-20.3	56.9	7	-1.0
1204	-22.6	57.0	21	-3.7
0	-22.9	57.1	9	-8.7
1205	-22.0	57.2	22	-14.3
0	-21.6	57.4	0	-19.7
1206	-21.2	57.7	22	-25.0
0	-20.1	58.0	1	-36.7
1207	-17.6	58.4	22	-42.8
0	-15.2	58.8	3	-43.3
1208	-13.6	59.2	22	-42.5
0	-13.7	59.8	4	-51.1
1209	-15.1	60.3	22	-54.5
0	-16.3	60.9	5	-52.9
1210			22	
0			6	
1211			22	
0			7	
1212			22	
0			7	
1213			22	

1237	-16.4	61.5	22	-69.4
0	-16.0	62.2	6	-73.7
1238	-15.1	62.9	22	-78.2
0	-14.0	63.6	5	-82.7
1239	-13.3	64.4	22	-86.7
0	-13.3	65.2	5	-81.9
1240	-13.2	66.0	22	-76.9
0	-13.2	66.9	4	-80.1
1241	-13.7	67.9	22	-92.1
0	-14.6	68.8	3	-95.8
1242	-15.3	69.8	22	-99.8
0	-16.0	70.8	2	-103.5
1243	-16.0	71.9	22	-108.3
0	-15.6	73.0	1	-112.0
1244	-15.1	74.2	22	-116.3
0	-14.1	75.4	1	-120.0
1245	-13.7	76.6	22	-123.5
0	-13.8	77.8	0	-127.2
1246	-14.4	79.1	21	-130.1
0	-14.5	80.5	9	-134.4
1247	-13.8	81.8	21	-137.9
0	-12.5	83.2	8	-141.0
1248	-12.6	84.7	21	-144.2
0	-13.3	86.1	7	-147.2
1249	-14.5	87.6	21	-150.6
0	-15.2	89.2	6	-153.8
1250	-14.2	90.7	21	-157.8
0	-12.6	92.3	4	-161.0
1251	-11.4	94.0	21	-163.9
0	-12.6	95.6	3	-166.3
1252	-15.2	97.3	21	-169.3
0	-16.5	99.0	2	-173.3
1253	-15.5	100.8	21	-177.0
0	-13.2	102.6	1	-180.7
1254	-11.4	104.4	21	-183.6
0	-12.1	106.3	0	-186.0
1255	-14.1	108.2	20	-189.0
0	-15.1	110.1	8	-192.2
1256	-13.3	112.0	20	-195.9
0	-10.8	114.0	7	-198.6
1257	-9.6	116.0	20	-200.9
0	-9.6	118.0	6	-202.8
1258	-9.9	120.1	20	-204.7
0	-10.2	122.1	4	-206.5
1259	-10.3	124.2	20	-208.7
0	-10.0	126.3	3	-210.8
1260	-9.1	128.5	20	-212.9
0	-7.3	130.6	1	-214.3
1261	-6.6	132.8	20	-215.3
0	-7.2	134.9	0	-216.1
1262	-7.3	137.1	19	-217.7
0	-6.8	139.3	8	-218.8
1263	-5.7	141.5	19	-219.9
0	-6.0	143.7	7	-220.1
1264			19	
0			5	
1265			19	
0			3	
1266			19	
0			2	
1267			19	

1291	-6.0	145.9	142	-220.6
0	-4.7	148.1	139	-221.2
1292	-3.5	150.3	137	-221.4
0	-3.3	152.5	135	-221.4
1293	-3.3	154.7	133	-221.4
0	-2.4	156.9	131	-221.4
1294	-2.3	159.2	128	-220.6
0	-2.3	161.4	126	-220.6
1295	-2.2	163.6	124	-220.4
0	-2.2	165.8	122	-219.9
1296	-1.1	168.0	119	-219.3
0	3.3	170.1	117	-217.7
1297	8.1	172.3	115	-215.1
0	7.5	174.4	113	-211.9
1298	3.3	176.5	111	-208.9
0	0.0	178.6	109	-207.3
1299	0.8	180.7	107	-206.3
0	4.7	182.7	105	-204.4
1300	8.7	184.8	103	-201.7
0	10.3	186.7	101	-198.3
1301	8.7	188.7	99	-210.0
0	-3.7	190.3	97	-162.1
1302	-15.3	191.7	96	-137.1
0	-39.2	192.9	95	-104.8
1303	-47.5	194.0	93	-100.0
0	-36.5	194.9	93	-84.1
1304	-13.8	195.6	92	-75.3
0	2.7	196.2	91	-56.1
1305	1.2	196.7	91	-46.8
0	8.0	197.1	90	-34.6
1306	11.9	197.4	90	-31.4
0	9.2	197.7	90	-26.0
1307	5.8	197.9	90	-22.6
0	3.9	198.1	89	-19.4
1308	6.4	198.3	89	-17.8
0	11.5	198.4	89	-13.0
1309	17.8	198.5	89	-9.5
0	20.3	198.6	89	-3.1
1310	20.6	198.6	89	0.7
0	20.2	198.5	89	3.9
1311	19.3	198.5	89	8.7
0	19.5	198.3	89	14.6
1312	22.0	198.1	89	22.3
0	24.4	197.9	90	28.7
1313	25.5	197.6	90	33.0
0	24.0	197.2	90	39.9
1314	21.2	196.7	91	41.7
0	18.2	196.2	91	57.2
1315	17.1	195.7	92	56.7
0	18.2	195.1	92	55.3
1316	20.7	194.4	93	72.9
0	22.6	193.7	94	79.6
1317	22.6	193.0	94	77.7
0	20.9	192.1	95	75.6
1318				
0				
1319				
0				
1320				
0				
1321				

1345	18.2	191.2	96	98.5
0	16.8	190.3	97	93.7
1346	16.5	189.4	98	88.3
0	17.1	188.4	99	92.3
1347	17.1	187.2	100	106.7
0	16.7	186.1	101	111.2
1348	15.1	185.0	102	115.2
0	14.1	183.8	104	119.2
1349	14.1	182.6	105	122.9
0	14.5	181.3	106	126.7
1350	14.8	180.0	107	130.4
0	14.9	178.7	109	134.4
1351	14.1	177.3	110	137.9
0	12.6	175.9	112	141.3
1352	10.6	174.5	113	144.2
0	9.8	173.0	114	146.9
1353	9.6	171.6	116	148.8
0	10.3	170.0	117	151.2
1354	11.1	168.5	119	153.3
0	11.0	167.0	120	156.2
1355	9.5	165.4	122	158.6
0	7.6	163.8	124	160.7
1356	6.0	162.2	125	162.1
0	6.1	160.5	127	163.1
1357	6.9	158.9	129	164.2
0	7.5	157.2	130	165.5
1358	7.2	155.6	132	166.9
0	6.6	153.9	134	168.2
1359	6.2	152.2	135	169.3
0	6.1	150.5	137	170.3
1360	6.0	148.8	139	171.4
0	6.1	147.1	140	172.5
1361	5.6	145.3	142	173.3
0	5.0	143.6	144	173.8
1362	4.9	141.8	146	174.6
0	4.7	140.1	147	175.4
1363	4.2	138.3	149	175.9
0	4.1	136.6	151	176.2
1364	3.8	134.8	153	176.7
0	4.1	133.0	154	177.0
1365	4.2	131.3	156	177.5
0	3.8	129.5	158	177.8
1366	3.3	127.7	160	178.1
0	2.6	125.9	162	178.3
1367	2.3	124.1	163	178.3
0	2.3	122.4	165	177.8
1368	2.3	120.6	167	178.1
0	2.6	118.8	169	177.8
1369	2.7	117.0	170	177.8
0	2.8	115.2	172	177.5
1370	2.8	113.5	174	177.5
0	3.3	111.7	176	177.5
1371	3.3	109.9	178	177.8
0	3.3	108.1	179	178.1
1372				
0				
1373				
0				
1374				
0				
1375				

1399	3.5	106.3	18	178.1
0	3.8	104.6	1	178.3
1400	3.7	102.8	18	178.6
0	3.7	101.0	3	178.6
1401	3.5	99.2	18	178.9
0	3.8	97.4	5	179.4
1402	3.9	95.6	18	179.7
0	3.5	93.8	6	179.7
1403	3.0	92.0	18	180.2
0	2.6	90.2	8	179.9
1404	2.6	88.4	19	179.9
0	2.8	86.6	0	179.9
1405	2.6	84.8	19	179.9
0	2.4	83.0	2	179.7
1406	2.2	81.2	19	179.7
0	2.0	79.4	4	179.4
1407	1.9	77.6	19	179.1
0	1.8	75.8	5	178.9
1408	1.8	74.1	19	178.6
0	1.8	72.3	7	178.3
1409	1.1	70.5	19	177.8
0	-2.8	68.7	9	177.0
1410	-7.9	67.0	20	174.6
0	-2.8	65.4	1	158.4
1411	3.5	64.0	20	122.9
0	19.3	62.8	3	119.0
1412	36.1	61.6	20	113.6
0	39.5	60.8	4	89.4
1413	24.5	60.0	20	75.6
0	10.7	59.3	6	63.8
1414	2.7	58.7	20	59.3
0	6.2	58.3	8	46.5
1415	9.5	57.8	21	40.1
0	7.2	57.5	0	34.3
1416	-0.9	57.2	21	29.2
0	-0.8	56.9	2	27.4
1417	-9.1	56.7	21	20.7
0	-18.2	56.5	3	15.9
1418	-19.1	56.4	21	11.7
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1419	-7.2	56.3	21	2.9
0	-9.9	56.3	7	1.0
1420	-19.3	56.3	21	-1.0
0	-27.3	56.3	9	-5.5
1421	-27.3	56.4	22	-11.7
0	-19.7	56.6	0	-19.9
1422	-11.9	56.9	22	-27.4
0	-11.0	57.1	2	-28.2
1423	-15.2	57.4	22	-28.2
0	-19.7	57.8	3	-39.4
1424	-19.7	58.2	22	-40.7
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1425	-14.5	59.1	22	-45.2
0	-15.6	59.7	6	-59.6
1426			22	
0			7	
1427			22	
0			7	
1428			22	
0			8	
1429			22	

1453	-17.8	60.2	22	-58.3
0	-18.8	60.9	7	-69.4
1454	-16.7	61.5	22	-74.5
0	-13.6	62.2	7	-79.3
1455	-11.7	63.0	22	-83.3
0	-11.8	63.7	6	-78.8
1456	-13.8	64.5	22	-73.4
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1457	-15.1	66.3	22	-98.2
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1458	-11.3	68.2	22	-96.1
0	-11.8	69.2	4	-99.0
1459	-13.2	70.2	22	-102.2
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1460	-13.6	72.3	22	-109.4
0	-11.3	73.4	2	-112.6
1461	-9.8	74.6	22	-115.5
0	-10.2	75.8	1	-117.9
1462	-12.2	76.9	22	-120.3
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1463	-13.2	79.4	21	-126.4
0	-11.3	80.7	9	-129.6
1464	-8.8	82.0	21	-132.3
0	-8.3	83.4	8	-134.4
1465	-9.8	84.7	21	-136.0
0	-11.5	86.1	7	-138.7
1466	-12.6	87.5	21	-141.0
0	-11.9	89.0	6	-144.0
1467	-10.6	90.4	21	-146.9
0	-9.8	91.9	5	-149.0
1468	-10.3	93.4	21	-151.4
0	-11.5	94.9	4	-153.3
1469	-12.9	96.5	21	-156.2
0	-12.7	98.1	3	-159.2
1470	-10.6	99.7	21	-162.1
0	-8.4	101.3	2	-164.5
1471	-7.5	103.0	21	-166.1
0	-8.7	104.7	1	-167.9
1472	-11.1	106.4	20	-169.3
0	-12.7	108.1	9	-171.9
1473	-11.3	109.8	20	-174.9
0	-8.5	111.6	8	-177.0
1474	-7.1	113.4	20	-178.3
0	-8.0	115.2	7	-180.2
1475	-9.9	117.0	20	-181.5
0	-10.6	118.8	5	-183.6
1476	-9.5	120.7	20	-186.0
0	-7.5	122.5	4	-187.6
1477	-6.6	124.4	20	-188.4
0	-7.9	126.3	3	-189.8
1478	-9.4	128.2	20	-191.4
0	-9.8	130.1	1	-193.2
1479	-9.2	132.1	20	-195.1
0	-8.7	134.1	0	-197.0
1480			19	
0			8	
1481			19	
0			7	
1482			19	
0			6	
1483			19	

1507	-7.2	136.0	151	-198.3
0	-6.1	138.0	149	-199.4
1508	-5.8	140.0	147	-200.4
0	-6.4	142.0	145	-201.2
1509	-8.0	144.1	143	-202.3
0	-8.4	146.1	141	-203.6
1510	-7.1	148.1	139	-204.9
0	-5.7	150.2	137	-206.3
1511	-5.4	152.3	135	-206.5
0	-5.8	154.3	133	-207.3
1512	-5.7	156.4	131	-207.9
0	-3.9	158.5	129	-208.7
1513	-3.4	160.6	127	-208.7
0	-3.0	162.7	125	-208.4
1514	-2.4	164.8	123	-208.4
0	-2.3	166.8	121	-207.9
1515	-2.0	168.9	119	-207.6
0	-2.0	171.0	116	-207.3
1516	-2.0	173.1	114	-207.1
0	-1.5	175.1	112	-206.5
1517	2.7	177.2	110	-205.5
0	8.1	179.2	108	-203.1
1518	9.9	181.2	106	-199.4
0	6.0	183.2	104	-195.9
1519	1.2	185.1	102	-193.8
0	0.0	187.1	100	-192.7
1520	0.9	188.9	99	-164.7
0	-3.1	190.5	97	-155.7
1521	-8.0	191.9	96	-118.2
0	-28.5	193.0	94	-112.6
1522	-40.0	194.0	93	-96.6
0	-33.1	194.9	93	-89.7
1523	-16.4	195.6	92	-67.3
0	1.8	196.2	91	-60.9
1524	0.7	196.7	91	-46.5
0	5.3	197.1	90	-38.8
1525	11.5	197.4	90	-28.4
0	11.4	197.7	90	-26.3
1526	7.2	197.9	90	-22.3
0	3.8	198.1	89	-21.5
1527	3.9	198.3	89	-17.0
0	7.7	198.5	89	-14.1
1528	13.3	198.6	89	-9.3
0	17.8	198.6	89	-6.6
1529	19.1	198.7	89	-0.5
0	20.3	198.7	89	0.5
1530	20.3	198.6	89	6.6
0	19.8	198.5	89	10.6
1531	20.1	198.3	89	19.1
0	21.7	198.1	89	25.5
1532	23.1	197.8	90	31.9
0	23.6	197.5	90	39.1
1533	22.9	197.1	90	41.7
0	21.3	196.7	91	43.3
1534				
0				
1535				
0				
1536				
0				
1537				

1561	19.9	196.1	91	58.3
0	19.4	195.5	92	64.6
1562	19.9	194.9	93	70.8
0	20.7	194.2	93	76.9
1563	20.9	193.5	94	82.7
0	20.2	192.7	95	88.6
1564	18.7	191.9	96	77.4
0	17.2	190.9	97	99.8
1565	16.4	190.0	97	95.0
0	16.8	189.0	98	89.4
1566	17.6	188.0	99	93.4
0	18.8	186.9	101	108.3
1567	18.8	185.8	102	113.4
0	17.6	184.6	103	118.2
1568	16.4	183.4	104	122.9
0	15.7	182.1	105	127.2
1569	15.3	180.8	107	131.2
0	15.1	179.5	108	135.2
1570	14.8	178.1	109	139.2
0	14.4	176.7	111	142.9
1571	12.5	175.2	112	146.4
0	11.4	173.7	114	149.3
1572	10.6	172.2	115	151.7
0	10.0	170.7	117	154.4
1573	10.7	169.1	118	157.0
0	11.5	167.5	120	159.2
1574	11.1	165.9	122	161.8
0	9.6	164.3	123	164.2
1575	7.7	162.6	125	166.1
0	6.4	161.0	126	167.4
1576	6.5	159.3	128	168.7
0	6.5	157.6	130	169.8
1577	6.1	155.9	132	171.1
0	5.6	154.2	133	171.7
1578	4.6	152.4	135	172.7
0	4.1	150.7	137	173.3
1579	3.4	149.0	138	173.8
0	3.3	147.2	140	174.1
1580	3.1	145.5	142	174.3
0	3.0	143.7	144	173.8
1581	3.4	142.0	145	173.8
0	3.5	140.3	147	174.1
1582	3.3	138.5	149	174.3
0	3.0	136.8	151	174.6
1583	3.1	135.0	152	174.9
0	3.7	133.3	154	174.6
1584	4.1	131.5	156	175.1
0	4.3	129.8	158	175.4
1585	4.3	128.0	159	176.2
0	3.7	126.2	161	176.5
1586	3.4	124.5	163	176.5
0	3.5	122.7	165	176.7
1587	3.7	120.9	167	177.0
0	3.9	119.2	168	177.3
1588				
0				
1589				
0				
1590				
0				
1591				

1615	4.2	117.4	17	177.3
0	4.1	115.6	0	178.1
1616	3.8	113.8	17	178.3
0	3.3	112.0	2	178.6
1617	2.8	110.3	17	178.6
0	2.7	108.5	4	178.6
1618	2.6	106.7	17	178.6
0	2.6	104.9	5	178.3
1619	2.4	103.1	17	178.3
0	2.3	101.3	7	178.3
1620	2.4	99.6	17	178.3
0	2.4	97.8	9	178.1
1621	2.6	96.0	18	177.5
0	2.4	94.2	1	177.8
1622	2.2	92.4	18	177.5
0	2.0	90.7	3	177.3
1623	1.8	88.9	18	177.3
0	1.8	87.1	4	176.7
1624	1.8	85.4	18	176.5
0	1.6	83.6	6	176.2
1625	0.0	81.8	18	175.7
0	-3.7	80.1	8	174.3
1626	-5.4	78.4	19	172.5
0	-4.1	76.6	0	170.1
1627	-1.9	75.0	19	168.5
0	-0.5	73.3	1	167.1
1628	-1.2	71.6	19	166.1
0	-3.0	70.0	3	164.5
1629	-4.7	68.3	19	162.9
0	-5.2	66.8	5	144.0
1630	2.4	65.2	19	157.8
0	4.3	64.0	7	125.6
1631	18.8	62.9	19	109.9
0	30.6	61.9	9	87.0
1632	30.4	61.0	20	84.6
0	17.2	60.2	0	72.4
1633	6.9	59.6	20	62.2
0	3.3	59.0	2	58.8
1634	6.4	58.6	20	46.5
0	8.7	58.1	4	40.4
1635	5.4	57.8	20	35.1
0	-0.9	57.5	6	26.8
1636	-0.4	57.2	20	26.0
0	-3.4	57.0	7	22.6
1637	-11.3	56.7	20	20.4
0	-13.8	56.6	9	14.6
1638	-10.4	56.5	21	12.2
0	-7.9	56.4	1	7.9
1639	-9.5	56.3	21	5.0
0	-15.6	56.3	2	2.1
1640	-22.4	56.3	21	-0.5
0	-24.7	56.4	4	-5.8
1641	-20.2	56.5	21	-11.1
0	-13.7	56.6	6	-15.7
1642			21	
0			7	
1643			21	
0			9	
1644			22	
0			1	
1645			22	

1669	-10.6	56.8	23	-19.1
0	-12.1	57.1	1	-21.2
1670	-16.1	57.3	23	-30.0
0	-17.9	57.6	0	-31.6
1671	-17.1	58.0	23	-32.7
0	-15.1	58.4	0	-37.5
1672	-14.8	58.8	23	-40.4
0	-16.3	59.3	0	-53.7
1673	-18.2	59.8	22	-53.2
0	-18.0	60.4	9	-52.1
1674	-15.9	61.0	22	-57.5
0	-14.0	61.7	9	-60.1
1675	-13.7	62.4	22	-63.0
0	-14.8	63.1	9	-67.0
1676	-15.3	63.9	22	-70.2
0	-14.9	64.7	8	-73.7
1677	-14.1	65.5	22	-77.2
0	-13.4	66.4	8	-80.3
1678	-14.0	67.3	22	-83.3
0	-15.2	68.3	7	-96.1
1679	-15.3	69.3	22	-100.3
0	-14.2	70.3	6	-104.0
1680	-12.6	71.4	22	-107.8
0	-11.7	72.5	6	-111.2
1681	-11.7	73.6	22	-113.9
0	-12.2	74.8	5	-117.1
1682	-12.6	76.0	22	-119.8
0	-12.7	77.2	4	-123.2
1683	-12.5	78.5	22	-126.4
0	-12.5	79.8	4	-129.6
1684	-12.2	81.1	22	-132.3
0	-11.8	82.4	3	-135.7
1685	-11.3	83.8	22	-138.1
0	-10.8	85.2	2	-141.0
1686	-10.7	86.6	22	-143.2
0	-11.3	88.1	1	-146.1
1687	-11.4	89.6	22	-148.5
0	-11.4	91.1	0	-151.4
1688	-10.7	92.6	21	-153.8
0	-9.8	94.2	9	-156.2
1689	-10.4	95.7	21	-158.4
0	-11.4	97.3	8	-160.5
1690	-11.4	99.0	21	-163.1
0	-10.0	100.6	7	-165.3
1691	-8.8	102.3	21	-167.7
0	-8.1	104.0	6	-169.3
1692	-8.9	105.7	21	-170.9
0	-10.8	107.4	5	-173.3
1693	-11.4	109.2	21	-175.7
0	-9.6	110.9	4	-178.1
1694	-8.0	112.7	21	-180.2
0	-7.5	114.5	3	-181.2
1695	-8.1	116.4	21	-182.8
0	-9.2	118.2	1	-184.4
1696			21	
0			0	
1697			20	
0			9	
1698			20	
0			8	
1699			20	

1723	-8.9	120.1	167	-186.3
0	-7.3	121.9	166	-187.6
1724	-6.6	123.8	164	-189.2
0	-7.5	125.7	162	-190.6
1725	-8.5	127.7	160	-191.9
0	-8.8	129.6	158	-193.5
1726	-8.5	131.5	156	-195.1
0	-8.5	133.5	154	-197.0
1727	-7.9	135.5	152	-198.0
0	-6.8	137.5	150	-199.6
1728	-6.0	139.5	148	-200.7
0	-6.1	141.5	146	-201.5
1729	-7.3	143.5	144	-202.3
0	-7.7	145.5	142	-203.6
1730	-5.7	147.6	140	-204.7
0	-3.9	149.6	138	-204.9
1731	-3.3	151.7	136	-205.2
0	-3.4	153.7	134	-205.2
1732	-3.0	155.8	132	-205.5
0	-2.4	157.8	130	-205.5
1733	-2.3	159.9	128	-204.9
0	-2.2	161.9	126	-204.7
1734	-2.0	164.0	123	-204.4
0	-1.9	166.0	121	-204.1
1735	0.7	168.1	119	-203.3
0	6.9	170.1	117	-201.2
1736	10.4	172.1	115	-197.5
0	7.7	174.0	113	-194.0
1737	1.4	175.9	112	-191.1
0	-1.5	177.8	110	-189.5
1738	0.0	179.7	108	-189.2
0	5.0	181.6	106	-187.9
1739	9.9	183.5	104	-185.2
0	10.0	185.3	102	-181.0
1740	6.6	187.1	100	-177.5
0	0.1	188.8	99	-168.7
1741	-3.4	190.2	97	-145.0
0	-18.2	191.5	96	-125.1
1742	-39.7	192.7	95	-119.5
0	-46.4	193.6	94	-93.9
1743	-33.8	194.5	93	-80.3
0	-13.3	195.2	92	-60.1
1744	0.1	195.8	92	-56.1
0	-0.1	196.3	91	-43.6
1745	0.1	196.7	91	-41.2
0	0.0	197.1	90	-31.4
1746	-0.3	197.4	90	-30.0
0	0.1	197.6	90	-23.1
1747	0.8	197.9	90	-21.8
0	3.4	198.1	89	-16.5
1748	6.2	198.2	89	-15.1
0	9.4	198.4	89	-11.1
1749	11.4	198.5	89	-10.6
0	12.3	198.5	89	-6.1
1750				
0				
1751				
0				
1752				
0				
1753				

1777	12.7	198.6	89	-2.1
0	14.0	198.6	89	0.2
1778	17.1	198.6	89	2.1
0	19.1	198.5	89	7.9
1779	18.7	198.4	89	10.9
0	17.0	198.2	89	17.0
1780	15.2	198.0	89	21.8
0	14.9	197.8	90	28.4
1781	16.7	197.5	90	30.0
0	19.3	197.1	90	34.8
1782	20.7	196.8	91	35.9
0	20.3	196.3	91	50.0
1783	19.0	195.8	92	50.5
0	17.9	195.3	92	50.3
1784	18.2	194.7	93	66.8
0	19.4	194.0	93	71.8
1785	20.5	193.3	94	78.0
0	20.6	192.6	95	76.1
1786	19.4	191.8	96	73.2
0	17.5	190.9	97	95.3
1787	16.7	190.0	97	100.0
0	17.1	189.1	98	104.8
1788	18.3	188.1	99	109.6
0	20.2	187.0	100	115.0
1789	19.8	186.0	101	110.2
0	17.6	184.8	103	115.2
1790	15.7	183.6	104	119.8
0	14.1	182.4	105	124.0
1791	13.3	181.1	106	127.5
0	13.0	179.8	108	130.9
1792	14.0	178.5	109	134.4
0	15.2	177.1	110	137.9
1793	14.1	175.7	112	141.6
0	12.3	174.3	113	145.0
1794	10.3	172.8	115	147.7
0	9.1	171.3	116	150.1
1795	8.7	169.8	118	152.2
0	9.5	168.3	119	153.8
1796	9.2	166.7	121	156.0
0	8.1	165.1	122	157.8
1797	6.8	163.6	124	159.4
0	5.6	161.9	126	160.5
1798	6.1	160.3	127	161.8
0	7.1	158.7	129	162.9
1799	7.3	157.1	130	163.9
0	6.8	155.4	132	165.5
1800	5.3	153.8	134	166.6
0	3.9	152.1	135	167.1
1801	3.1	150.4	137	167.7
0	3.3	148.7	139	167.9
1802	3.8	147.1	140	167.7
0	4.1	145.4	142	168.2
1803	4.2	143.7	144	168.5
0	4.6	142.0	145	168.7
1804				
0				
1805				
0				
1806				
0				
1807				

1831	4.3	140.3	14	169.5
0	3.5	138.6	7	169.8
1832	3.1	136.9	14	170.1
0	3.1	135.2	9	170.3
1833	3.7	133.5	15	170.6
0	4.2	131.8	1	170.9
1834	4.3	130.1	15	171.1
0	4.5	128.4	2	171.7
1835	4.1	126.6	15	172.5
0	3.7	124.9	4	172.7
1836	4.1	123.2	15	173.0
0	3.9	121.5	6	173.3
1837	3.5	119.7	15	173.5
0	3.0	118.0	7	173.8
1838	2.4	116.2	15	173.8
0	1.9	114.5	9	173.8
1839	1.8	112.8	16	173.5
0	1.8	111.0	1	173.3
1840	1.8	109.3	16	173.0
0	1.9	107.6	3	172.5
1841	1.8	105.8	16	172.5
0	1.8	104.1	4	171.9
1842	1.8	102.4	16	171.9
0	1.8	100.7	6	171.7
1843	1.8	99.0	16	171.1
0	1.9	97.3	8	171.4
1844	1.8	95.6	16	170.9
0	1.8	93.8	9	170.6
1845	1.6	92.1	17	170.1
0	1.4	90.4	1	169.8
1846	1.4	88.8	17	169.3
0	1.6	87.1	3	169.0
1847	1.4	85.4	17	168.7
0	1.4	83.7	5	168.2
1848	1.5	82.0	17	167.9
0	1.9	80.3	6	167.7
1849	1.8	78.7	17	167.4
0	1.8	77.0	8	167.1
1850	1.5	75.3	18	166.9
0	0.7	73.6	0	166.3
1851	0.0	72.0	18	165.8
0	-0.4	70.3	2	165.0
1852	-1.2	68.7	18	163.9
0	-1.8	67.1	3	162.6
1853	2.3	65.6	18	149.8
0	3.9	64.2	5	119.0
1854	19.8	63.1	18	114.2
0	37.3	62.0	7	90.5
1855	39.1	61.1	18	88.1
0	28.1	60.3	8	75.3
1856	16.3	59.7	19	64.6
0	11.0	59.0	0	60.9
1857	13.8	58.6	19	48.4
0	16.4	58.1	2	41.7
1858			19	
0			4	
1859			19	
0			5	
1860			19	
0			7	
1861			19	

1885	12.3	57.7	23	39.6
0	4.7	57.4	0	30.8
1886	-0.3	57.2	23	26.6
0	0.0	56.9	0	25.2
1887	-0.8	56.7	23	19.9
0	-4.3	56.5	0	17.0
1888	-8.0	56.4	23	15.4
0	-10.8	56.3	1	10.9
1889	-12.1	56.2	23	7.9
0	-14.9	56.1	1	4.5
1890	-17.4	56.1	23	0.0
0	-20.3	56.1	1	-2.1
1891	-19.5	56.2	23	-8.7
0	-15.6	56.3	1	-13.5
1892	-10.7	56.5	23	-18.1
0	-9.4	56.7	1	-21.0
1893	-11.8	56.9	23	-21.8
0	-16.0	57.1	1	-27.6
1894	-18.4	57.4	23	-29.5
0	-18.0	57.7	1	-30.8
1895	-16.1	58.1	23	-35.4
0	-14.5	58.5	1	-47.9
1896	-14.9	59.0	23	-47.3
0	-16.4	59.5	1	-46.0
1897	-17.4	60.0	23	-61.2
0	-16.7	60.6	1	-60.1
1898	-15.6	61.2	23	-58.0
0	-15.6	61.9	1	-61.7
1899	-17.0	62.6	23	-65.2
0	-18.3	63.4	1	-84.9
1900	-18.7	64.2	23	-81.9
0	-18.7	65.1	1	-78.0
1901	-18.2	66.0	23	-82.5
0	-18.2	66.9	1	-86.7
1902	-18.8	68.0	23	-100.8
0	-19.4	69.0	0	-106.4
1903	-19.0	70.1	23	-111.2
0	-18.2	71.3	0	-116.3
1904	-17.2	72.5	23	-121.3
0	-16.8	73.7	0	-125.3
1905	-17.1	75.0	22	-130.1
0	-17.6	76.3	9	-134.4
1906	-18.0	77.7	22	-139.5
0	-17.9	79.1	9	-143.7
1907	-17.8	80.6	22	-148.8
0	-16.7	82.1	8	-153.0
1908	-15.9	83.7	22	-157.3
0	-15.7	85.3	8	-161.3
1909	-16.5	86.9	22	-164.7
0	-17.8	88.6	7	-169.3
1910	-17.9	90.3	22	-173.5
0	-16.4	92.1	7	-177.5
1911	-14.2	93.9	22	-181.8
0	-13.4	95.8	6	-185.0
1912			22	
0			6	
1913			22	
0			5	
1914			22	
0			4	
1915			22	

1939	-14.1	97.6	190	-188.2
0	-14.1	99.5	188	-191.4
1940	-12.6	101.5	186	-194.3
0	-10.2	103.4	184	-197.2
1941	-9.4	105.4	182	-199.4
0	-11.3	107.4	180	-201.2
1942	-13.2	109.5	178	-203.6
0	-13.2	111.5	176	-206.5
1943	-12.3	113.6	174	-208.9
0	-10.8	115.7	172	-211.9
1944	-8.9	117.9	170	-214.0
0	-7.3	120.0	167	-215.3
1945	-7.1	122.2	165	-216.4
0	-8.3	124.3	163	-217.5
1946	-9.8	126.5	161	-219.1
0	-9.8	128.7	159	-221.2
1947	-7.6	131.0	156	-222.8
0	-5.8	133.2	154	-223.8
1948	-5.2	135.4	152	-224.4
0	-4.5	137.7	150	-224.6
1949	-4.3	139.9	148	-225.2
0	-4.5	142.2	145	-225.2
1950	-4.9	144.4	143	-226.0
0	-3.7	146.7	141	-226.0
1951	-2.6	149.0	138	-225.7
0	-2.6	151.2	136	-225.4
1952	-2.4	153.5	134	-225.4
0	-2.4	155.7	132	-224.9
1953	-2.3	158.0	129	-224.9
0	-2.4	160.2	127	-224.4
1954	-2.3	162.5	125	-223.6
0	-2.2	164.7	123	-223.3
1955	-1.9	166.9	121	-223.0
0	0.7	169.2	118	-222.2
1956	5.3	171.4	116	-220.4
0	6.9	173.6	114	-217.7
1957	4.1	175.7	112	-214.8
0	0.0	177.8	110	-213.2
1958	-0.9	180.0	107	-212.1
0	1.4	182.1	105	-211.3
1959	5.2	184.2	103	-209.5
0	8.7	186.3	101	-206.8
1960	9.2	188.2	99	-182.3
0	-2.6	190.0	97	-157.0
1961	-9.4	191.6	96	-146.9
0	-34.8	192.9	95	-124.5
1962	-51.1	194.0	93	-105.1
0	-45.8	194.9	93	-88.9
1963	-26.6	195.7	92	-72.4
0	-2.0	196.3	91	-52.1
1964	0.8	196.8	91	-47.6
0	4.2	197.2	90	-42.8
1965	8.4	197.5	90	-31.6
0	6.4	197.8	90	-26.3
1966				
0				
1967				
0				
1968				
0				
1969				

1993	2.4	198.1	89	-22.8
0	0.4	198.3	89	-17.5
1994	2.0	198.4	89	-16.5
0	7.5	198.6	89	-14.1
1995	13.6	198.7	89	-9.5
0	18.0	198.7	89	-4.5
1996	19.1	198.7	89	0.5
0	19.1	198.7	89	2.1
1997	17.6	198.7	89	7.7
0	17.0	198.6	89	12.7
1998	18.0	198.4	89	18.3
0	20.3	198.2	89	21.5
1999	22.1	197.9	90	30.0
0	22.1	197.6	90	36.2
2000	20.3	197.2	90	43.3
0	18.8	196.8	91	44.7
2001	18.4	196.3	91	45.2
0	20.1	195.8	92	55.1
2002	22.2	195.2	92	66.5
0	23.3	194.6	93	66.5
2003	22.9	193.8	94	79.8
0	21.6	193.1	94	78.8
2004	19.9	192.2	95	75.8
0	19.4	191.4	96	81.1
2005	19.7	190.4	97	104.3
0	20.7	189.4	98	109.9
2006	21.4	188.3	99	115.8
0	21.2	187.2	100	122.1
2007	20.5	186.1	101	116.3
0	19.1	184.9	103	121.6
2008	18.3	183.6	104	126.9
0	18.4	182.3	105	131.7
2009	18.2	181.0	106	136.5
0	17.6	179.6	108	141.6
2010	16.7	178.1	109	146.1
0	15.9	176.6	111	150.1
2011	14.4	175.1	112	154.4
0	13.8	173.5	114	157.6
2012	13.7	171.9	116	161.0
0	13.3	170.3	117	164.2
2013	13.2	168.6	119	167.4
0	12.6	166.9	121	170.6
2014	11.5	165.2	122	173.5
0	10.4	163.4	124	175.9
2015	9.2	161.7	126	178.3
0	8.8	159.9	128	180.2
2016	8.4	158.1	129	181.8
0	8.0	156.2	131	183.6
2017	7.5	154.4	133	185.0
0	6.9	152.5	135	186.3
2018	6.8	150.6	137	187.6
0	6.0	148.8	139	188.7
2019	5.2	146.9	141	189.5
0	3.5	145.0	142	190.0
2020				
0				
2021				
0				
2022				
0				
2023				

2047	2.8	143.1	14	190.3
0	2.7	141.2	4	190.0
2048	3.0	139.3	14	190.0
0	3.3	137.4	6	190.0
2049	3.5	135.5	14	190.0
0	4.1	133.6	8	190.0
2050	4.5	131.7	15	190.6
0	4.3	129.8	0	190.8
2051	4.2	127.8	15	191.4
0	3.7	125.9	2	191.6
2052	3.4	124.0	15	191.9
0	3.5	122.1	4	191.9
2053	3.1	120.2	15	191.9
0	3.0	118.3	6	191.9
2054	2.7	116.3	15	191.9
0	2.4	114.4	8	191.9
2055	2.6	112.5	16	191.6
0	2.6	110.6	0	191.4
2056	2.6	108.7	16	191.1
0	2.6	106.8	2	191.4
2057	2.7	104.8	16	191.1
0	2.7	102.9	3	190.8
2058	2.6	101.0	16	190.8
0	2.4	99.1	5	190.6
2059	2.6	97.2	16	190.6
0	2.6	95.3	7	190.3
2060	2.4	93.4	16	190.0
0	2.3	91.5	9	190.0
2061	2.0	89.6	17	189.8
0	1.9	87.7	1	189.5
2062	1.9	85.8	17	189.5
0	1.8	83.9	3	189.0
2063	1.8	82.0	17	188.4
0	1.6	80.2	5	188.2
2064	0.1	78.3	17	187.6
0	-2.7	76.4	7	186.3
2065	-3.8	74.6	17	184.4
0	-1.8	72.7	9	182.8
2066	1.1	70.9	18	181.8
0	1.6	69.1	1	181.2
2067	-0.1	67.4	18	162.6
0	1.6	65.6	3	150.9
2068	3.7	64.1	18	144.8
0	20.2	62.8	5	113.6
2069	41.1	61.7	18	108.3
0	43.5	60.7	6	101.4
2070	29.6	59.9	18	70.0
0	13.4	59.2	8	65.4
2071	4.3	58.7	19	54.8
0	7.1	58.2	0	46.5
2072	11.5	57.8	19	39.9
0	10.3	57.4	2	30.6
2073	1.8	57.1	19	28.7
0	-0.7	56.9	4	24.2
2074			19	
0			6	
2075			19	
0			8	
2076			20	
0			0	
2077			20	

2101	-5.0	56.6	23	20.4
0	-15.7	56.5	1	17.8
2102	-19.4	56.3	23	10.9
0	-13.6	56.3	1	5.3
2103	-8.8	56.2	23	2.3
0	-10.0	56.2	1	0.0
2104	-19.4	56.3	23	-1.5
0	-27.9	56.3	1	-6.3
2105	-29.3	56.4	23	-12.7
0	-22.1	56.6	1	-19.4
2106	-13.6	56.9	23	-24.4
0	-10.0	57.2	1	-27.6
2107	-13.7	57.5	23	-37.2
0	-18.8	57.9	1	-37.5
2108	-21.2	58.3	23	-38.3
0	-18.8	58.8	1	-52.9
2109	-15.5	59.3	23	-58.0
0	-14.6	59.8	1	-56.9
2110	-17.0	60.4	23	-54.8
0	-19.5	61.1	1	-71.3
2111	-19.9	61.8	23	-77.7
0	-17.5	62.5	1	-83.3
2112	-14.1	63.3	23	-88.3
0	-13.0	64.2	0	-92.6
2113	-14.6	65.0	23	-87.0
0	-17.4	65.9	0	-81.7
2114	-17.9	66.8	23	-86.2
0	-16.4	67.9	0	-100.0
2115	-14.4	68.9	22	-104.3
0	-13.8	70.0	9	-108.0
2116	-14.8	71.1	22	-111.8
0	-16.0	72.2	9	-115.8
2117	-15.2	73.4	22	-119.8
0	-12.7	74.6	8	-123.7
2118	-9.9	75.9	22	-126.4
0	-9.6	77.2	8	-128.8
2119	-11.8	78.5	22	-131.2
0	-14.1	79.8	7	-134.4
2120	-14.1	81.2	22	-137.6
0	-11.5	82.6	6	-141.0
2121	-9.1	84.0	22	-143.7
0	-8.1	85.5	6	-145.8
2122	-10.6	87.0	22	-147.4
0	-13.0	88.5	5	-150.4
2123	-13.8	90.0	22	-153.0
0	-11.7	91.5	4	-156.5
2124	-9.4	93.1	22	-159.2
0	-8.9	94.7	3	-161.0
2125	-11.4	96.4	22	-163.4
0	-14.1	98.0	2	-165.5
2126	-14.1	99.7	22	-169.3
0	-11.7	101.4	2	-172.5
2127	-8.7	103.2	22	-174.6
0	-8.7	104.9	1	-176.7
2128			22	
0			0	
2129			21	
0			9	
2130			21	
0			7	
2131			21	

2155	-11.5	106.7	181	-178.3
0	-14.6	108.5	179	-181.0
2156	-15.1	110.3	177	-184.2
0	-12.6	112.2	175	-187.9
2157	-10.3	114.1	173	-190.3
0	-9.9	116.0	171	-192.7
2158	-11.0	118.0	169	-194.6
0	-12.2	119.9	168	-197.0
2159	-12.2	121.9	166	-199.6
0	-11.4	123.9	164	-202.0
2160	-11.0	126.0	161	-204.7
0	-10.3	128.0	159	-206.8
2161	-9.8	130.1	157	-208.9
0	-10.0	132.2	155	-210.5
2162	-11.1	134.3	153	-212.9
0	-10.8	136.5	151	-215.1
2163	-9.4	138.7	149	-217.2
0	-7.6	140.8	147	-218.5
2164	-7.6	143.0	144	-219.9
0	-8.0	145.2	142	-220.9
2165	-6.8	147.5	140	-222.2
0	-5.7	149.7	138	-223.3
2166	-5.2	151.9	136	-223.8
0	-4.7	154.2	133	-224.6
2167	-3.8	156.4	131	-224.6
0	-2.8	158.7	129	-224.4
2168	-3.0	160.9	127	-224.4
0	-3.3	163.2	124	-224.4
2169	-3.3	165.4	122	-224.1
0	-2.8	167.6	120	-223.8
2170	-2.7	169.9	118	-223.3
0	-2.3	172.1	115	-223.3
2171	-1.9	174.3	113	-223.0
0	-2.0	176.6	111	-222.5
2172	-1.2	178.8	109	-222.2
0	6.6	181.0	106	-220.4
2173	14.5	183.2	104	-216.4
0	14.5	185.3	102	-211.1
2174	8.4	187.4	100	-206.3
0	-0.5	189.3	98	-192.4
2175	-4.2	190.9	97	-143.4
0	-22.6	192.3	95	-134.9
2176	-45.3	193.6	94	-125.6
0	-49.8	194.5	93	-96.3
2177	-32.3	195.4	92	-79.0
0	-9.1	196.0	91	-56.9
2178	0.8	196.6	91	-51.9
0	0.5	197.0	90	-38.8
2179	5.2	197.4	90	-35.6
0	6.6	197.7	90	-26.0
2180	3.7	198.0	89	-24.4
0	1.6	198.2	89	-20.7
2181	1.6	198.4	89	-19.1
0	4.1	198.5	89	-14.3
2182				
0				
2183				
0				
2184				
0				
2185				

2209	8.1	198.7	89	-12.5
0	11.3	198.7	89	-8.5
2210	12.6	198.8	89	-4.5
0	12.2	198.8	89	-1.3
2211	13.0	198.8	89	0.2
0	15.9	198.8	89	2.9
2212	18.6	198.7	89	6.3
0	19.9	198.6	89	10.9
2213	19.3	198.5	89	15.9
0	17.4	198.2	89	25.0
2214	16.3	198.0	89	27.4
0	16.1	197.7	90	28.7
2215	17.6	197.3	90	33.2
0	19.7	196.9	91	37.0
2216	20.7	196.5	91	42.0
0	20.5	196.0	91	57.2
2217	19.5	195.4	92	57.5
0	19.3	194.8	93	56.4
2218	19.8	194.1	93	74.5
0	20.6	193.4	94	79.6
2219	21.0	192.6	95	86.5
0	20.2	191.8	96	92.6
2220	18.6	191.0	96	80.3
0	17.6	190.0	97	103.5
2221	17.8	189.0	98	108.3
0	19.7	188.0	99	113.6
2222	20.9	186.9	101	108.6
0	21.0	185.8	102	114.2
2223	19.0	184.6	103	119.8
0	17.0	183.4	104	124.8
2224	15.6	182.1	105	129.1
0	14.9	180.8	107	133.1
2225	14.8	179.4	108	137.1
0	16.0	178.0	109	141.0
2226	17.2	176.6	111	144.8
0	16.4	175.1	112	149.6
2227	14.8	173.6	114	153.3
0	13.0	172.0	115	157.0
2228	11.9	170.4	117	160.0
0	12.5	168.8	119	162.9
2229	13.6	167.1	120	165.8
0	13.2	165.4	122	169.3
2230	11.7	163.7	124	172.2
0	9.6	162.0	125	174.6
2231	8.5	160.2	127	176.7
0	8.0	158.4	129	178.6
2232	8.1	156.6	131	179.9
0	8.7	154.8	133	181.5
2233	8.7	153.0	134	183.4
0	8.0	151.2	136	184.7
2234	6.0	149.3	138	186.3
0	4.2	147.4	140	187.4
2235	3.4	145.6	142	187.6
0	3.4	143.7	144	187.6
2236				
0				
2237				
0				
2238				
0				
2239				

2263	4.3	141.8	14	187.6
0	5.0	139.9	6	188.2
2264	4.6	138.0	14	188.7
0	3.7	136.1	8	189.0
2265	2.7	134.2	14	189.2
0	2.6	132.4	9	189.2
2266	2.8	130.5	15	189.2
0	3.3	128.6	1	189.0
2267	3.3	126.7	15	189.0
0	3.0	124.8	3	189.2
2268	2.8	122.9	15	189.2
0	3.0	121.0	5	189.0
2269	3.3	119.1	15	189.0
0	3.5	117.2	7	189.0
2270	3.7	115.3	15	189.2
0	3.5	113.4	9	189.5
2271	2.8	111.5	16	189.5
0	2.3	109.6	1	189.5
2272	2.0	107.8	16	189.2
0	2.2	105.9	3	189.2
2273	1.9	104.0	16	188.7
0	2.0	102.1	5	188.4
2274	2.0	100.2	16	188.2
0	2.2	98.3	6	187.9
2275	2.3	96.4	16	187.6
0	2.2	94.6	8	187.4
2276	2.2	92.7	17	187.1
0	2.0	90.8	0	186.8
2277	2.0	89.0	17	186.6
0	1.9	87.1	2	186.3
2278	1.9	85.2	17	185.8
0	1.8	83.4	4	185.8
2279	1.8	81.5	17	185.2
0	1.1	79.7	6	185.0
2280	-1.1	77.8	17	184.2
0	-4.2	76.0	8	182.6
2281	-4.3	74.2	18	180.4
0	-2.6	72.4	0	178.6
2282	-0.5	70.6	18	177.0
0	-1.1	68.9	2	176.2
2283	-3.7	67.2	18	157.3
0	-0.8	65.5	3	144.0
2284	3.4	64.1	18	138.7
0	18.0	62.8	5	107.5
2285	36.7	61.8	18	104.6
0	39.6	60.8	7	98.7
2286	26.7	60.0	18	76.4
0	12.2	59.4	9	64.6
2287	3.7	58.8	19	54.5
0	5.0	58.3	1	46.5
2288	6.6	57.9	19	43.9
0	3.7	57.5	3	34.3
2289	-0.1	57.2	19	29.0
0	-2.0	57.0	5	25.0
2290			19	
0			7	
2291			19	
0			8	
2292			20	
0			0	
2293			20	

2317	-14.2	56.7	23	18.1
0	-22.9	56.6	1	14.6
2318	-20.6	56.5	23	7.1
0	-12.5	56.4	1	3.1
2319	-10.0	56.4	23	-0.2
0	-17.5	56.5	1	-1.5
2320	-27.1	56.5	23	-6.9
0	-30.6	56.6	1	-14.3
2321	-25.4	56.8	23	-23.4
0	-17.8	57.1	1	-30.6
2322	-13.8	57.4	23	-32.7
0	-15.3	57.7	1	-36.7
2323	-19.3	58.1	23	-37.0
0	-21.8	58.6	1	-50.8
2324	-21.0	59.1	23	-51.6
0	-19.3	59.6	1	-51.3
2325	-18.3	60.3	23	-68.6
0	-18.8	60.9	1	-67.3
2326	-19.4	61.6	23	-64.9
0	-19.5	62.4	0	-69.7
2327	-17.8	63.2	23	-74.0
0	-15.5	64.1	0	-78.2
2328	-14.2	65.0	23	-81.7
0	-14.4	65.9	0	-85.1
2329	-15.2	66.9	22	-88.6
0	-16.7	67.9	9	-102.2
2330	-17.5	69.0	22	-106.7
0	-17.5	70.1	9	-111.2
2331	-17.2	71.2	22	-115.8
0	-17.2	72.4	8	-120.8
2332	-17.4	73.7	22	-124.5
0	-17.4	75.0	8	-129.6
2333	-16.5	76.3	22	-133.9
0	-15.7	77.7	7	-138.4
2334	-15.5	79.1	22	-142.1
0	-15.1	80.5	7	-145.8
2335	-15.1	82.0	22	-149.6
0	-14.6	83.5	6	-153.6
2336	-14.5	85.1	22	-157.0
0	-15.5	86.7	5	-160.7
2337	-16.8	88.3	22	-164.5
0	-17.2	90.0	4	-168.2
2338	-15.9	91.7	22	-172.7
0	-13.6	93.5	3	-176.7
2339	-12.3	95.3	22	-179.7
0	-12.9	97.1	2	-182.6
2340	-13.6	98.9	22	-185.5
0	-13.0	100.8	2	-188.4
2341	-11.8	102.7	22	-191.1
0	-10.6	104.6	1	-194.0
2342	-11.1	106.6	22	-195.9
0	-13.0	108.6	0	-198.3
2343	-13.7	110.6	21	-200.9
0	-12.9	112.6	8	-204.1
2344			21	
0			7	
2345			21	
0			6	
2346			21	
0			5	
2347			21	

2371	-11.1	114.7	173	-206.8
0	-9.8	116.8	171	-208.9
2372	-9.4	118.9	169	-211.1
0	-9.4	121.0	166	-212.9
2373	-10.0	123.1	164	-214.8
0	-10.8	125.3	162	-216.7
2374	-10.8	127.5	160	-218.3
0	-9.1	129.7	158	-220.4
2375	-7.6	131.9	156	-222.0
0	-7.2	134.1	153	-223.6
2376	-6.8	136.4	151	-224.4
0	-6.1	138.6	149	-225.2
2377	-5.6	140.9	147	-225.7
0	-5.8	143.1	144	-226.2
2378	-5.4	145.4	142	-226.8
0	-3.8	147.7	140	-227.3
2379	-2.8	150.0	137	-227.6
0	-2.8	152.2	135	-227.3
2380	-2.8	154.5	133	-227.0
0	-2.6	156.8	131	-226.8
2381	-2.4	159.0	128	-226.2
0	-2.4	161.3	126	-226.0
2382	-2.3	163.6	124	-225.7
0	-2.3	165.8	122	-225.2
2383	-1.8	168.1	119	-224.9
0	1.6	170.3	117	-223.8
2384	7.5	172.5	115	-221.4
0	8.3	174.7	113	-218.3
2385	3.9	176.9	111	-215.1
0	-0.7	179.0	108	-213.2
2386	-1.6	181.1	106	-212.4
0	1.1	183.3	104	-211.6
2387	5.7	185.4	102	-209.7
0	9.4	187.4	100	-206.5
2388	5.3	189.3	98	-190.6
0	-3.7	191.0	96	-142.4
2389	-26.3	192.4	95	-134.1
0	-54.8	193.5	94	-113.6
2390	-62.1	194.5	93	-85.9
0	-43.5	195.4	92	-79.3
2391	-15.3	196.1	91	-63.6
0	0.1	196.6	91	-45.7
2392	3.9	197.1	90	-46.0
0	10.0	197.4	90	-34.3
2393	9.1	197.7	90	-30.8
0	2.8	197.9	90	-24.2
2394	-0.7	198.2	89	-20.4
0	-0.3	198.4	89	-19.1
2395	4.9	198.5	89	-14.1
0	12.9	198.6	89	-11.4
2396	18.6	198.7	89	-6.1
0	19.8	198.7	89	0.0
2397	18.3	198.7	89	1.5
0	15.9	198.6	89	5.8
2398				
0				
2399				
0				
2400				
0				
2401				

2425	14.8	198.5	89	9.3
0	16.7	198.4	89	13.3
2426	20.5	198.2	89	17.5
0	23.3	198.0	89	22.6
2427	23.3	197.7	90	28.2
0	20.3	197.3	90	41.2
2428	17.4	196.9	91	42.8
0	16.0	196.5	91	42.8
2429	17.8	195.9	92	57.2
0	21.2	195.4	92	56.9
2430	24.1	194.8	93	56.4
0	24.8	194.1	93	68.9
2431	22.4	193.3	94	83.3
0	20.2	192.6	95	81.1
2432	19.3	191.7	96	78.0
0	20.1	190.8	97	82.7
2433	21.3	189.8	98	87.3
0	21.7	188.8	99	92.3
2434	21.3	187.8	100	97.4
0	19.5	186.6	101	113.9
2435	17.8	185.4	102	119.0
0	17.9	184.2	103	123.7
2436	19.7	182.9	105	128.5
0	20.6	181.6	106	133.6
2437	19.5	180.2	107	138.9
0	17.4	178.8	109	144.2
2438	14.9	177.3	110	148.8
0	13.2	175.8	112	152.0
2439	13.0	174.2	113	155.2
0	13.8	172.7	115	158.4
2440	14.1	171.1	116	161.8
0	13.7	169.4	118	165.3
2441	12.7	167.7	120	168.2
0	10.8	166.0	121	171.4
2442	9.2	164.3	123	173.5
0	8.1	162.6	125	175.7
2443	8.1	160.8	127	177.0
0	8.3	159.0	128	178.9
2444	7.3	157.2	130	180.2
0	6.1	155.4	132	181.5
2445	5.3	153.6	134	182.6
0	5.4	151.7	136	183.1
2446	6.5	149.9	138	183.9
0	7.2	148.1	139	185.0
2447	6.5	146.2	141	186.0
0	4.3	144.3	143	187.1
2448	3.0	142.4	145	187.6
0	2.4	140.6	147	187.1
2449	2.6	138.7	149	187.1
0	3.0	136.8	151	187.1
2450	3.3	135.0	152	187.4
0	3.3	133.1	154	187.1
2451	3.0	131.2	156	186.8
0	2.6	129.3	158	187.4
2452				
0				
2453				
0				
2454				
0				
2455				

2479	2.3	127.5	16	187.1
0	2.3	125.6	0	186.8
2480	2.6	123.7	16	186.6
0	2.7	121.9	2	186.6
2481	2.8	120.0	16	186.3
0	3.1	118.1	4	186.3
2482	3.1	116.3	16	186.6
0	2.7	114.4	6	186.6
2483	2.4	112.5	16	186.8
0	2.3	110.7	7	186.3
2484	2.2	108.8	16	186.0
0	2.3	107.0	9	186.0
2485	2.2	105.1	17	185.8
0	2.0	103.2	1	185.5
2486	1.9	101.4	17	185.2
0	1.9	99.5	3	185.0
2487	1.9	97.7	17	184.7
0	1.8	95.8	5	184.2
2488	1.8	94.0	17	183.9
0	1.6	92.2	7	183.6
2489	0.3	90.3	17	182.8
0	-1.6	88.5	9	182.0
2490	-2.6	86.7	18	180.4
0	-1.8	84.9	0	179.1
2491	-0.4	83.1	18	177.8
0	0.7	81.3	2	177.0
2492	0.8	79.6	18	176.5
0	-0.1	77.8	4	175.7
2493	-1.9	76.1	18	174.6
0	-2.4	74.3	6	173.3
2494	-1.2	72.6	18	171.9
0	-0.1	70.9	8	170.9
2495	-0.9	69.2	19	169.8
0	-3.9	67.5	0	168.5
2496	-3.4	66.0	19	160.2
0	3.0	64.5	2	124.5
2497	14.6	63.3	19	120.3
0	34.2	62.1	3	115.5
2498	39.6	61.2	19	91.8
0	29.8	60.4	5	78.8
2499	16.4	59.7	19	67.3
0	6.2	59.1	7	57.2
2500	5.8	58.6	19	44.1
0	8.1	58.2	9	42.3
2501	6.9	57.8	20	36.4
0	0.8	57.4	1	28.2
2502	-0.3	57.2	20	26.8
0	-0.8	56.9	3	23.1
2503	-8.4	56.7	20	21.2
0	-16.0	56.6	4	15.4
2504	-16.0	56.4	20	12.2
0	-13.3	56.4	6	6.6
2505	-12.9	56.3	20	2.6
0	-18.3	56.3	8	-0.7
2506			21	
0			0	
2507			21	
0			1	
2508			21	
0			3	
2509			21	

2533	-26.0	56.3	23	-3.9
0	-29.0	56.4	1	-10.3
2534	-23.9	56.6	23	-19.4
0	-15.3	56.8	1	-26.3
2535	-9.5	57.1	23	-27.9
0	-10.0	57.4	1	-30.8
2536	-15.1	57.7	23	-30.3
0	-19.5	58.1	1	-41.7
2537	-19.8	58.5	23	-43.1
0	-18.0	59.0	0	-48.4
2538	-17.1	59.5	23	-47.6
0	-18.4	60.1	0	-63.6
2539	-19.9	60.7	23	-62.8
0	-19.9	61.3	0	-61.2
2540	-17.6	62.0	22	-65.7
0	-14.5	62.8	9	-69.7
2541	-13.0	63.6	22	-73.4
0	-14.5	64.5	9	-76.1
2542	-18.2	65.4	22	-97.1
0	-20.2	66.3	8	-102.7
2543	-19.4	67.3	22	-108.3
0	-18.3	68.3	8	-103.5
2544	-17.6	69.4	22	-108.6
0	-18.6	70.5	7	-113.1
2545	-19.8	71.6	22	-118.2
0	-19.4	72.9	7	-123.5
2546	-17.4	74.1	22	-128.3
0	-14.8	75.5	6	-132.8
2547	-13.8	76.8	22	-136.5
0	-15.3	78.2	5	-139.7
2548	-17.4	79.6	22	-144.0
0	-17.8	81.1	5	-148.2
2549	-15.9	82.6	22	-152.8
0	-13.3	84.2	4	-156.5
2550	-12.6	85.8	22	-160.0
0	-14.4	87.4	3	-162.6
2551	-16.4	89.1	22	-166.6
0	-17.0	90.8	2	-170.9
2552	-14.6	92.5	22	-174.3
0	-11.5	94.3	1	-177.8
2553	-11.4	96.1	22	-180.4
0	-13.4	97.9	0	-183.1
2554	-15.2	99.7	21	-186.0
0	-14.5	101.6	9	-189.8
2555	-11.8	103.5	21	-193.0
0	-10.2	105.5	8	-195.4
2556	-11.3	107.5	21	-197.8
0	-13.0	109.5	7	-200.1
2557	-13.3	111.5	21	-203.1
0	-12.7	113.5	6	-205.7
2558	-11.5	115.6	21	-208.4
0	-10.0	117.7	5	-210.8
2559	-8.8	119.8	21	-212.4
0	-8.7	122.0	3	-214.0
2560			21	
0			2	
2561			21	
0			1	
2562			20	
0			9	
2563			20	

2587	-9.9	124.1	163	-215.9
0	-11.0	126.3	161	-218.3
2588	-11.0	128.5	159	-220.6
0	-8.9	130.7	157	-222.2
2589	-7.5	133.0	154	-223.6
0	-7.1	135.2	152	-224.4
2590	-6.9	137.5	150	-226.0
0	-6.0	139.7	148	-227.0
2591	-5.6	142.0	145	-227.6
0	-6.5	144.3	143	-228.4
2592	-6.6	146.6	141	-228.9
0	-5.4	148.9	139	-229.7
2593	-4.6	151.2	136	-230.0
0	-4.1	153.5	134	-230.0
2594	-3.4	155.8	132	-230.2
0	-2.8	158.1	129	-230.2
2595	-2.8	160.4	127	-230.0
0	-2.8	162.7	125	-229.7
2596	-2.6	165.0	122	-229.4
0	-2.4	167.3	120	-229.2
2597	-2.3	169.6	118	-228.9
0	-2.2	171.9	116	-228.4
2598	-1.9	174.1	113	-227.8
0	0.7	176.4	111	-227.3
2599	8.0	178.7	109	-225.2
0	12.3	180.9	107	-220.9
2600	10.0	183.1	104	-216.1
0	2.8	185.2	102	-213.2
2601	-1.5	187.3	100	-211.3
0	-3.1	189.4	98	-218.8
2602	-3.7	191.0	96	-164.5
0	-25.9	192.4	95	-137.9
2603	-51.7	193.7	94	-115.2
0	-57.6	194.7	93	-97.1
2604	-41.8	195.5	92	-79.6
0	-16.5	196.2	91	-58.0
2605	0.3	196.7	91	-55.6
0	0.4	197.2	90	-41.7
2606	1.5	197.5	90	-34.6
0	3.1	197.8	90	-27.9
2607	2.0	198.1	89	-23.1
0	0.4	198.3	89	-21.0
2608	0.8	198.4	89	-14.9
0	3.7	198.6	89	-13.3
2609	7.3	198.7	89	-10.3
0	11.9	198.8	89	-8.5
2610	14.5	198.8	89	-3.7
0	16.0	198.8	89	0.5
2611	17.9	198.8	89	1.8
0	19.9	198.8	89	7.4
2612	20.9	198.6	89	13.0
0	20.6	198.5	89	19.4
2613	20.2	198.3	89	23.4
0	20.2	198.0	89	26.0
2614				
0				
2615				
0				
2616				
0				
2617				

2641	20.3	197.7	90	31.1
0	20.6	197.3	90	36.2
2642	20.7	196.8	91	45.5
0	20.7	196.3	91	56.7
2643	20.7	195.8	92	56.7
0	20.9	195.2	92	56.1
2644	20.9	194.5	93	74.5
0	20.5	193.8	94	80.9
2645	19.9	193.0	94	78.5
0	19.0	192.2	95	75.6
2646	17.8	191.3	96	80.3
0	17.0	190.3	97	103.0
2647	16.8	189.4	98	107.8
0	17.6	188.4	99	112.6
2648	18.4	187.3	100	117.4
0	19.3	186.2	101	111.8
2649	18.0	185.0	102	116.8
0	16.4	183.8	104	121.3
2650	14.9	182.6	105	125.9
0	13.8	181.3	106	129.6
2651	13.6	180.0	107	133.1
0	14.2	178.6	109	136.5
2652	14.8	177.2	110	140.0
0	14.2	175.8	112	143.7
2653	12.5	174.3	113	146.9
0	11.1	172.9	115	149.8
2654	9.9	171.3	116	152.5
0	9.6	169.8	118	154.9
2655	10.6	168.2	119	156.8
0	10.6	166.6	121	159.4
2656	9.8	165.0	122	161.8
0	8.3	163.4	124	163.4
2657	6.6	161.7	126	165.0
0	6.8	160.1	127	166.6
2658	7.7	158.4	129	167.9
0	8.7	156.7	131	169.3
2659	9.5	155.0	132	171.4
0	9.4	153.3	134	173.3
2660	8.9	151.5	136	174.9
0	7.9	149.8	138	176.5
2661	6.9	148.0	139	178.1
0	6.5	146.2	141	179.4
2662	6.4	144.4	143	180.2
0	6.9	142.6	145	181.2
2663	7.7	140.8	147	182.3
0	7.1	138.9	149	183.9
2664	6.0	137.1	150	185.2
0	5.0	135.2	152	185.8
2665	4.9	133.4	154	186.3
0	5.0	131.5	156	186.8
2666	5.4	129.6	158	187.6
0	5.2	127.8	160	188.2
2667	4.3	125.9	162	189.0
0	3.7	124.0	163	189.2
2668				
0				
2669				
0				
2670				
0				
2671				

2695	3.7	122.1	16	189.5
0	4.1	120.2	5	189.5
2696	4.7	118.3	16	190.0
0	5.3	116.4	7	190.6
2697	5.0	114.5	16	191.4
0	3.8	112.5	9	191.6
2698	2.7	110.6	17	191.6
0	2.2	108.7	1	191.6
2699	2.4	106.8	17	191.4
0	2.3	104.9	3	191.4
2700	2.4	103.0	17	191.4
0	2.4	101.1	5	190.8
2701	2.7	99.1	17	190.6
0	3.0	97.2	7	190.3
2702	3.0	95.3	17	190.6
0	2.8	93.4	9	190.3
2703	2.4	91.5	18	190.6
0	1.9	89.6	1	190.3
2704	1.9	87.7	18	190.0
0	1.8	85.8	3	189.8
2705	1.8	83.9	18	189.2
0	0.8	82.0	4	188.7
2706	-3.5	80.2	18	187.6
0	-7.1	78.3	6	185.2
2707	-6.4	76.5	18	182.3
0	-3.4	74.7	8	179.9
2708	-1.5	72.9	19	178.3
0	-1.9	71.1	0	177.3
2709	-5.0	69.3	19	175.4
0	-8.1	67.6	2	172.7
2710	-6.4	66.0	19	164.2
0	3.3	64.5	4	128.0
2711	15.1	63.3	19	123.5
0	33.9	62.1	6	117.6
2712	37.0	61.2	19	93.1
0	26.2	60.3	8	79.6
2713	11.1	59.6	20	67.3
0	1.5	59.0	0	57.2
2714	1.6	58.5	20	53.5
0	3.8	58.1	2	42.0
2715	3.5	57.7	20	36.2
0	-1.6	57.4	4	31.1
2716	-0.8	57.1	20	23.9
0	-9.5	56.9	5	22.6
2717	-21.6	56.7	20	18.6
0	-22.8	56.6	7	10.9
2718	-13.3	56.5	20	6.3
0	-6.4	56.5	9	2.6
2719	-7.6	56.4	21	1.0
0	-17.5	56.5	1	-0.7
2720	-26.4	56.5	21	-5.0
0	-26.6	56.6	3	-10.6
2721	-17.9	56.8	21	-16.7
0	-8.8	57.0	5	-20.7
2722			21	
0			6	
2723			21	
0			8	
2724			22	
0			0	
2725			22	

2749	-6.4	57.2	23	-23.1
0	-11.8	57.5	0	-30.3
2750	-17.6	57.8	23	-30.8
0	-18.6	58.1	0	-32.2
2751	-13.7	58.6	23	-44.4
0	-9.2	59.0	0	-48.4
2752	-9.5	59.4	22	-51.1
0	-13.2	59.9	9	-43.9
2753	-16.4	60.4	22	-57.7
0	-15.3	61.0	9	-56.7
2754	-11.1	61.6	22	-54.3
0	-7.5	62.2	8	-62.8
2755	-7.5	62.9	22	-71.3
0	-9.9	63.5	8	-67.0
2756	-12.7	64.2	22	-62.5
0	-12.7	64.9	8	-65.4
2757	-10.2	65.7	22	-68.4
0	-7.9	66.4	7	-70.5
2758	-8.3	67.2	22	-72.1
0	-11.5	68.1	6	-82.2
2759	-14.0	68.9	22	-85.7
0	-13.3	69.8	6	-89.1
2760	-10.6	70.7	22	-92.3
0	-8.5	71.7	5	-95.3
2761	-8.4	72.7	22	-97.1
0	-10.7	73.6	5	-99.3
2762	-12.7	74.7	22	-102.2
0	-13.0	75.7	4	-105.4
2763	-11.7	76.8	22	-108.8
0	-10.8	77.9	3	-111.8
2764	-11.8	79.0	22	-114.2
0	-13.8	80.2	3	-117.6
2765	-14.9	81.4	22	-120.8
0	-14.1	82.6	2	-124.8
2766	-12.5	83.9	22	-128.0
0	-11.7	85.2	1	-131.2
2767	-13.2	86.5	22	-134.1
0	-15.7	87.9	0	-137.9
2768	-17.5	89.3	21	-141.6
0	-17.0	90.8	9	-146.1
2769	-15.6	92.3	21	-150.1
0	-14.0	93.8	9	-154.4
2770	-14.6	95.4	21	-157.3
0	-16.4	97.0	8	-161.3
2771	-17.2	98.6	21	-165.3
0	-15.7	100.3	7	-169.3
2772	-13.0	102.0	21	-173.3
0	-11.3	103.8	6	-176.5
2773	-12.3	105.6	21	-178.6
0	-15.7	107.4	5	-182.0
2774	-17.6	109.2	21	-185.8
0	-16.0	111.1	4	-190.0
2775	-13.4	113.0	21	-194.0
0	-11.8	115.0	3	-197.0
2776			21	
0			2	
2777			21	
0			1	
2778			21	
0			0	
2779			20	

2803	-12.1	117.0	170	-199.4
0	-13.8	119.0	168	-201.7
2804	-14.5	121.1	166	-205.2
0	-14.2	123.1	164	-208.7
2805	-13.3	125.2	162	-211.3
0	-12.3	127.4	160	-214.0
2806	-11.4	129.5	158	-216.7
0	-11.7	131.7	156	-219.1
2807	-13.2	133.9	154	-221.7
0	-13.2	136.2	151	-224.4
2808	-11.4	138.4	149	-227.0
0	-9.2	140.7	147	-229.2
2809	-8.9	143.0	144	-230.8
0	-9.6	145.3	142	-232.1
2810	-9.6	147.7	140	-234.0
0	-9.8	150.0	137	-235.8
2811	-9.9	152.4	135	-237.7
0	-9.2	154.8	133	-239.8
2812	-6.9	157.2	130	-241.1
0	-5.6	159.6	128	-241.9
2813	-6.4	162.1	125	-242.2
0	-7.5	164.5	123	-243.0
2814	-6.6	166.9	121	-243.8
0	-4.5	169.4	118	-244.1
2815	-2.6	171.8	116	-244.3
0	-2.2	174.3	113	-244.1
2816	-2.2	176.7	111	-243.5
0	-2.0	179.1	108	-243.3
2817	3.0	181.5	106	-241.9
0	11.7	183.9	104	-239.3
2818	15.2	186.3	101	-234.5
0	11.9	188.6	99	-226.8
2819	-4.2	190.5	97	-191.6
0	-29.8	192.2	95	-157.3
2820	-60.2	193.5	94	-116.8
0	-65.5	194.7	93	-108.0
2821	-47.3	195.6	92	-87.5
0	-19.9	196.3	91	-61.7
2822	2.6	196.9	91	-53.5
0	2.7	197.4	90	-46.8
2823	8.0	197.7	90	-34.0
0	6.8	198.0	89	-27.1
2824	0.4	198.2	89	-20.2
0	-2.0	198.4	89	-19.7
2825	-0.7	198.6	89	-17.3
0	-0.4	198.7	89	-12.7
2826	0.0	198.9	89	-11.4
0	2.4	198.9	89	-8.2
2827	10.7	199.0	88	-5.0
0	18.7	199.0	88	-1.0
2828	21.7	199.0	88	2.1
0	19.1	199.0	88	7.9
2829	14.5	198.8	89	13.3
0	12.7	198.7	89	17.3
2830				
0				
2831				
0				
2832				
0				
2833				

2857	15.7	198.5	89	21.5
0	20.7	198.3	89	23.6
2858	25.0	198.0	89	29.5
0	25.0	197.7	90	32.7
2859	21.2	197.2	90	47.3
0	17.0	196.8	91	48.7
2860	15.7	196.3	91	47.6
0	19.4	195.7	92	63.0
2861	24.1	195.1	92	62.8
0	27.4	194.4	93	62.5
2862	26.3	193.7	94	69.2
0	21.4	192.8	95	91.8
2863	16.7	192.0	95	88.6
0	14.4	191.0	96	83.8
2864	15.6	190.1	97	87.3
0	19.5	189.1	98	91.0
2865	21.7	188.0	99	95.5
0	21.3	186.9	101	112.0
2866	17.6	185.7	102	117.6
0	13.8	184.5	103	122.1
2867	12.2	183.3	104	125.6
0	13.7	182.0	105	128.5
2868	15.1	180.7	107	132.0
0	15.2	179.3	108	136.0
2869	14.0	177.9	110	140.0
0	11.3	176.5	111	143.2
2870	9.5	175.1	112	145.8
0	9.5	173.6	114	148.0
2871	11.3	172.1	115	150.1
0	12.3	170.6	117	153.0
2872	12.7	169.0	118	156.0
0	11.7	167.4	120	158.6
2873	9.2	165.8	122	161.5
0	6.9	164.2	123	163.4
2874	6.6	162.5	125	164.7
0	8.4	160.9	127	166.1
2875	10.6	159.2	128	167.9
0	10.6	157.5	130	170.1
2876	8.7	155.8	132	172.2
0	6.5	154.1	133	174.1
2877	5.8	152.3	135	174.9
0	6.5	150.6	137	176.2
2878	7.1	148.8	139	177.3
0	7.1	147.0	140	178.3
2879	6.0	145.2	142	179.9
0	4.6	143.4	144	180.4
2880	4.7	141.6	146	181.0
0	5.4	139.8	148	181.5
2881	6.0	138.0	149	182.6
0	6.0	136.1	151	183.4
2882	5.2	134.3	153	184.4
0	4.1	132.4	155	185.0
2883	3.1	130.6	157	185.2
0	2.8	128.7	159	185.2
2884				
0				
2885				
0				
2886				
0				
2887				

2911	2.8	126.9	16	185.2
0	3.3	125.0	1	185.2
2912	4.1	123.2	16	185.5
0	4.2	121.3	2	185.5
2913	4.2	119.5	16	186.0
0	4.1	117.6	4	186.6
2914	4.2	115.7	16	186.6
0	4.1	113.9	6	187.1
2915	3.3	112.0	16	187.4
0	2.4	110.1	8	187.4
2916	2.2	108.2	17	187.4
0	2.2	106.4	0	187.1
2917	2.0	104.5	17	186.8
0	2.2	102.6	2	186.6
2918	2.3	100.8	17	186.3
0	2.2	98.9	4	186.0
2919	2.3	97.0	17	185.8
0	2.3	95.2	5	185.8
2920	2.2	93.3	17	185.5
0	2.0	91.5	7	185.2
2921	1.9	89.6	17	185.0
0	1.8	87.8	9	184.4
2922	1.9	85.9	18	184.4
0	1.8	84.1	1	184.2
2923	1.5	82.2	18	183.6
0	-0.5	80.4	3	182.8
2924	-3.3	78.6	18	181.5
0	-3.8	76.8	5	179.7
2925	-2.7	75.0	18	177.5
0	-1.1	73.2	7	176.2
2926	-0.5	71.5	18	174.9
0	-1.6	69.8	9	173.8
2927	-3.9	68.0	19	172.2
0	-4.6	66.3	0	184.4
2928	3.4	64.9	19	147.2
0	13.8	63.5	2	139.7
2929	31.7	62.4	19	110.7
0	38.6	61.4	4	96.9
2930	30.8	60.5	19	81.9
0	15.5	59.8	6	70.2
2931	3.0	59.2	19	59.6
0	0.0	58.7	8	50.8
2932	0.7	58.2	20	43.3
0	0.0	57.8	0	33.5
2933	-0.5	57.5	20	32.2
0	-3.8	57.2	2	27.9
2934	-20.3	57.0	20	24.2
0	-29.2	56.8	3	14.6
2935	-25.1	56.7	20	6.3
0	-14.2	56.7	5	0.0
2936	-10.6	56.7	20	-1.0
0	-17.5	56.7	7	-4.2
2937	-27.8	56.8	20	-8.2
0	-33.2	57.0	9	-15.1
2938			21	
0			1	
2939			21	
0			2	
2940			21	
0			4	
2941			21	

2965	-28.6	57.2	23	-28.4
0	-20.1	57.5	0	-36.7
2966	-15.2	57.9	23	-42.8
0	-17.2	58.3	0	-43.3
2967	-22.9	58.8	23	-43.1
0	-26.4	59.3	0	-59.6
2968	-24.7	59.9	22	-60.9
0	-20.3	60.6	9	-67.6
2969	-17.8	61.3	22	-65.4
0	-19.8	62.1	9	-85.1
2970	-23.2	62.8	22	-82.5
0	-25.1	63.7	8	-80.1
2971	-23.3	64.7	22	-85.9
0	-19.5	65.6	8	-91.3
2972	-17.2	66.7	22	-95.8
0	-18.3	67.9	7	-110.7
2973	-22.0	69.0	22	-116.0
0	-24.3	70.2	6	-121.9
2974	-23.6	71.5	22	-128.3
0	-20.2	72.8	5	-134.7
2975	-17.1	74.2	22	-140.0
0	-15.3	75.6	5	-144.0
2976	-16.8	77.1	22	-148.0
0	-19.3	78.6	4	-152.2
2977	-19.4	80.2	22	-157.3
0	-16.5	81.8	3	-161.8
2978	-13.6	83.4	22	-166.1
0	-12.2	85.1	2	-169.3
2979	-13.8	86.8	22	-171.9
0	-17.2	88.6	1	-175.4
2980	-18.4	90.3	22	-179.7
0	-15.7	92.2	0	-183.9
2981	-11.7	94.0	21	-187.6
0	-9.5	95.9	8	-190.0
2982	-10.8	97.9	21	-191.9
0	-13.0	99.8	7	-194.3
2983	-12.6	101.8	21	-197.2
0	-9.5	103.8	6	-199.9
2984	-6.8	105.8	21	-201.5
0	-7.1	107.8	5	-202.8
2985	-8.9	109.8	21	-204.1
0	-10.7	111.9	3	-206.0
2986	-11.1	114.0	21	-208.4
0	-10.3	116.1	2	-210.3
2987	-8.0	118.2	21	-212.4
0	-5.6	120.3	0	-213.5
2988	-5.0	122.5	20	-214.3
0	-6.9	124.6	9	-214.5
2989	-9.1	126.8	20	-215.6
0	-8.8	128.9	7	-217.7
2990	-6.5	131.1	20	-218.8
0	-4.9	133.3	6	-219.6
2991	-4.3	135.5	20	-219.9
0	-4.5	137.7	4	-219.9
2992			20	
0			2	
2993			20	
0			1	
2994			19	
0			9	
2995			10	

3019	-5.2	139.9	148	-220.6
0	-5.6	142.1	145	-221.4
3020	-6.5	144.3	143	-221.7
0	-5.7	146.6	141	-222.8
3021	-3.5	148.8	139	-223.0
0	-2.8	151.0	136	-223.0
3022	-2.7	153.3	134	-222.8
0	-2.6	155.5	132	-222.8
3023	-2.4	157.7	130	-222.5
0	-2.3	159.9	128	-221.7
3024	-2.2	162.1	125	-221.7
0	-2.0	164.4	123	-221.2
3025	-0.5	166.6	121	-220.4
0	5.2	168.8	119	-219.1
3026	9.5	170.9	117	-215.9
0	8.9	173.1	114	-211.6
3027	3.5	175.2	112	-208.7
0	-0.3	177.2	110	-207.1
3028	0.3	179.3	108	-206.3
0	6.0	181.3	106	-204.7
3029	11.4	183.4	104	-200.9
0	13.6	185.3	102	-196.4
3030	12.1	187.3	100	-191.9
0	5.3	189.1	98	-196.2
3031	-3.3	190.6	97	-152.0
0	-15.1	192.0	95	-141.6
3032	-32.7	193.1	94	-110.4
0	-37.0	194.1	93	-94.5
3033	-23.6	194.9	93	-72.6
0	-3.1	195.6	92	-71.8
3034	1.1	196.2	91	-54.5
0	4.6	196.7	91	-50.3
3035	16.7	197.1	90	-37.2
0	21.2	197.4	90	-32.7
3036	16.8	197.6	90	-24.2
0	11.0	197.8	90	-20.2
3037	8.8	198.0	89	-16.2
0	11.7	198.2	89	-15.1
3038	17.4	198.3	89	-10.9
0	22.5	198.4	89	-5.8
3039	23.9	198.4	89	1.0
0	23.7	198.4	89	3.7
3040	22.8	198.3	89	9.8
0	21.7	198.1	89	15.9
3041	22.4	197.9	90	22.0
0	25.4	197.7	90	25.2
3042	28.2	197.3	90	35.4
0	29.3	196.9	91	47.3
3043	27.4	196.4	91	50.8
0	23.3	195.9	92	52.4
3044	19.8	195.2	92	70.8
0	19.0	194.5	93	76.4
3045	20.9	193.8	94	82.2
0	23.7	193.0	94	88.6
3046				
0				
3047				
0				
3048				
0				
3049				

3073	25.1	192.1	95	95.8
0	23.9	191.2	96	103.2
3074	21.2	190.3	97	99.8
0	18.2	189.2	98	94.7
3075	17.4	188.2	99	98.7
0	18.4	187.0	100	114.4
3076	19.5	185.8	102	119.2
0	19.4	184.6	103	124.3
3077	17.8	183.3	104	129.3
0	15.7	181.9	106	133.9
3078	13.7	180.6	107	137.6
0	13.6	179.2	108	141.3
3079	15.1	177.7	110	144.8
0	16.3	176.3	111	148.5
3080	15.1	174.7	113	152.8
0	12.3	173.2	114	156.2
3081	9.1	171.6	116	159.2
0	7.5	170.0	117	161.3
3082	9.6	168.4	119	162.6
0	12.5	166.7	121	164.7
3083	14.5	165.1	122	167.9
0	14.1	163.3	124	171.1
3084	11.0	161.6	126	174.6
0	8.5	159.8	128	177.0
3085	7.1	158.1	129	178.6
0	7.5	156.3	131	179.9
3086	9.2	154.5	133	181.5
0	10.8	152.6	135	183.1
3087	10.8	150.8	137	185.5
0	8.8	148.9	139	187.9
3088	6.6	147.0	140	189.5
0	5.6	145.1	142	190.6
3089	6.2	143.2	144	191.6
0	8.5	141.3	146	192.4
3090	9.2	139.3	148	194.0
0	7.9	137.4	150	195.9
3091	5.0	135.4	152	197.0
0	3.4	133.4	154	197.5
3092	3.4	131.5	156	197.5
0	4.9	129.5	158	197.8
3093	6.5	127.5	160	198.3
0	6.4	125.5	162	199.1
3094	5.3	123.5	164	200.4
0	3.9	121.5	166	200.7
3095	3.0	119.5	168	201.2
0	3.1	117.5	170	200.7
3096	3.8	115.5	172	200.9
0	4.7	113.5	174	201.2
3097	4.7	111.4	176	201.5
0	4.2	109.4	178	202.0
3098	3.5	107.4	180	202.3
0	3.8	105.4	182	202.5
3099	3.9	103.3	184	202.8
0	4.3	101.3	186	202.8
3100				
0				
3101				
0				
3102				
0				
3103				

3127	4.2	99.3	18	203.1
0	3.8	97.3	8	203.6
3128	2.8	95.2	19	203.6
0	2.0	93.2	0	203.3
3129	1.9	91.2	19	203.1
0	1.8	89.1	2	202.8
3130	1.8	87.1	19	202.3
0	0.8	85.1	4	202.0
3131	-4.3	83.1	19	200.4
0	-7.3	81.1	6	197.8
3132	-4.9	79.1	19	194.8
0	-1.2	77.2	8	192.7
3133	-0.1	75.3	20	191.6
0	-2.2	73.4	0	190.8
3134	-4.9	71.5	20	188.7
0	-5.8	69.6	2	186.0
3135	-5.0	67.8	20	183.4
0	-1.8	66.1	4	161.0
3136	3.3	64.4	20	166.6
0	17.1	63.1	6	130.1
3137	36.2	62.0	20	112.3
0	40.8	61.0	8	86.5
3138	28.3	60.1	21	81.4
0	13.6	59.4	0	68.4
3139	3.5	58.8	21	57.5
0	2.7	58.3	2	53.5
3140	3.0	57.8	21	41.5
0	0.3	57.5	4	35.4
3141	-0.5	57.2	21	30.0
0	-4.1	56.9	6	22.8
3142	-19.0	56.7	21	19.7
0	-27.4	56.5	8	14.3
3143	-21.8	56.5	22	5.5
0	-12.3	56.4	0	0.2
3144	-10.0	56.5	22	-0.5
0	-18.4	56.5	1	-3.7
3145	-28.1	56.6	22	-8.2
0	-32.0	56.7	3	-14.9
3146	-27.3	56.9	22	-22.6
0	-20.9	57.2	4	-32.2
3147	-18.8	57.6	22	-34.3
0	-20.9	58.0	5	-47.6
3148	-22.2	58.5	22	-48.7
0	-20.7	59.0	6	-48.9
3149	-18.0	59.6	22	-54.0
0	-16.7	60.3	7	-71.3
3150	-18.6	60.9	22	-69.4
0	-21.3	61.7	8	-66.8
3151	-22.4	62.5	22	-87.5
0	-19.4	63.3	9	-94.2
3152	-15.2	64.2	22	-99.8
0	-13.4	65.2	9	-103.5
3153	-14.6	66.1	23	-107.8
0	-16.5	67.1	0	-111.8
3154			23	
0			0	
3155			23	
0			0	
3156			23	
0			1	
3157			22	

3181	-17.2	68.2	21	-105.6
0	-15.9	69.3	9	-110.4
3182	-14.0	70.4	21	-114.4
0	-13.6	71.6	8	-118.2
3183	-15.1	72.8	21	-121.6
0	-16.5	74.0	7	-125.1
3184	-16.3	75.3	21	-129.6
0	-14.8	76.6	6	-133.6
3185	-13.7	78.0	21	-137.3
0	-14.1	79.4	5	-140.8
3186	-14.5	80.8	21	-144.5
0	-14.8	82.3	3	-148.0
3187	-13.0	83.8	21	-151.4
0	-12.2	85.4	2	-154.9
3188	-12.7	86.9	21	-157.3
0	-14.6	88.5	1	-161.0
3189	-16.4	90.2	20	-164.5
0	-15.6	91.8	9	-168.5
3190	-13.7	93.6	20	-172.2
0	-12.6	95.3	8	-174.9
3191	-13.4	97.1	20	-178.1
0	-14.4	98.9	7	-181.2
3192	-14.1	100.7	20	-184.4
0	-12.6	102.6	5	-187.6
3193	-11.1	104.5	20	-190.6
0	-11.4	106.4	4	-193.0
3194	-13.6	108.4	20	-195.4
0	-14.2	110.3	2	-198.6
3195	-13.2	112.3	20	-202.0
0	-11.4	114.4	1	-204.4
3196	-10.0	116.5	19	-207.1
0	-9.6	118.5	9	-208.9
3197	-9.6	120.6	19	-211.1
0	-10.0	122.8	7	-212.4
3198	-10.7	124.9	19	-214.0
0	-10.4	127.1	6	-216.4
3199	-8.9	129.2	19	-218.8
0	-7.1	131.4	4	-220.1
3200	-7.5	133.7	19	-221.2
0	-8.0	135.9	2	-222.2
3201	-7.7	138.1	19	-223.6
0	-7.2	140.3	0	-224.4
3202	-6.8	142.6	18	-225.7
0	-6.9	144.9	9	-227.0
3203	-5.6	147.1	18	-227.8
0	-4.5	149.4	7	-228.4
3204	-5.3	151.7	18	-228.4
0	-5.4	154.0	5	-228.6
3205	-4.3	156.3	18	-229.2
0	-2.6	158.6	3	-229.4
3206	-2.6	160.9	18	-229.4
0	-2.3	163.2	1	-228.9
3207	-2.3	165.5	17	-228.4
0	-2.2	167.7	9	-227.6
3208			17	
0			7	
3209			17	
0			5	
3210			17	
0			3	
3211			17	

3235	-1.6	170.0	117	-227.3
0	4.6	172.3	115	-226.2
3236	11.8	174.5	113	-223.0
0	12.7	176.7	111	-218.5
3237	8.1	178.9	109	-214.3
0	4.5	181.0	106	-211.1
3238	3.8	183.1	104	-208.7
0	6.6	185.1	102	-206.3
3239	11.9	187.2	100	-202.8
0	12.3	189.1	98	-207.9
3240	-1.6	190.7	97	-158.9
0	-5.3	192.1	95	-134.7
3241	-23.2	193.3	94	-103.8
0	-37.0	194.3	93	-96.9
3242	-31.1	195.2	92	-89.1
0	-13.2	195.9	92	-66.2
3243	1.2	196.5	91	-59.1
0	3.9	196.9	91	-44.7
3244	16.8	197.3	90	-39.9
0	19.7	197.6	90	-28.7
3245	13.7	197.8	90	-23.4
0	6.5	198.0	89	-18.3
3246	2.8	198.2	89	-18.1
0	6.2	198.4	89	-14.1
3247	13.6	198.5	89	-11.9
0	20.7	198.6	89	-6.3
3248	23.6	198.6	89	-0.5
0	24.5	198.6	89	1.5
3249	22.6	198.5	89	9.5
0	21.2	198.4	89	15.7
3250	21.6	198.2	89	22.0
0	24.8	198.0	89	28.7
3251	28.7	197.7	90	35.9
0	30.2	197.3	90	44.9
3252	28.1	196.8	91	48.9
0				
3253				
0				
3254				
0				
3255				
0				
3256				
0				
3257				
0				
3258				
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3259				
0				
3260				
0				
3261				
0				
3262				
0				
3263				
0				
3264				
0				
3265				



ISOK_EXERC_DIAG_180_R_SIDE

27/07

Set #4

TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	0.0	199.0	88	0.0
10	5.2	199.0	88	0.5
20	4.6	199.0	88	1.0
30	6.2	199.0	88	1.8
40	9.9	199.0	88	4.2
50	12.9	198.9	89	7.1
60	13.8	198.8	89	10.1
70	11.9	198.7	89	12.5
80	8.8	198.5	89	15.1
90	6.5	198.3	89	17.3
100	6.8	198.1	89	19.1
110	9.2	197.9	90	20.7
120	12.1	197.7	90	23.1
130	13.7	197.4	90	26.0
140	13.2	197.1	90	29.2
150	11.5	196.7	91	32.4
160	10.2	196.3	91	42.8
170	10.6	195.9	92	45.7
180	11.8	195.5	92	48.9
190	13.3	195.0	92	52.7
200	13.7	194.5	93	56.7
210	12.9	193.9	94	60.4
220	12.3	193.4	94	64.1
230	12.7	192.8	95	67.6
240	14.2	192.1	95	65.2
250	16.1	191.4	96	69.4
260	17.4	190.7	97	73.7
270	17.1	189.9	98	78.5
280	15.7	189.1	98	83.3
290	14.2	188.2	99	87.5
300	13.8	187.3	100	91.0
310	14.4	186.4	101	95.0
320	15.3	185.4	102	98.7
330	16.1	184.4	103	103.0
340	16.8	183.3	104	107.5
350	15.9	182.2	105	111.8
360	14.4	181.1	106	115.8
370	13.2	179.9	108	119.8
380	13.2	178.7	109	122.9
390	13.8	177.4	110	126.1
400	14.1	176.1	111	129.6
410	13.0	174.8	113	133.3
420	11.8	173.5	114	136.5
430	10.6	172.1	115	139.2
440	10.0	170.7	117	141.8
450	11.0	169.2	118	144.0
460	12.3	167.8	120	146.6
470	12.3	166.3	121	149.8
480	11.0	164.8	123	152.5

490	8.7	163.2	12	154.9
500	7.1	161.6	4	156.8
510	7.3	160.1	12	158.1
520	8.3	158.5	6	159.7
530	8.9	156.9	12	161.5
540	9.1	155.2	7	163.1
550	8.4	153.6	12	165.3
560	7.2	151.9	9	166.6
570	6.6	150.3	13	167.7
580	6.2	148.6	1	169.0
590	6.5	146.9	13	169.8
600	6.2	145.2	2	171.1
610	6.1	143.4	13	171.9
620	6.2	141.7	4	173.0
630	6.5	140.0	13	174.1
640	6.2	138.2	6	175.4
650	6.0	136.5	13	176.2
660	6.2	134.7	7	177.0
670	7.1	132.9	13	177.0
680	7.6	131.1	9	177.0
690	7.3	129.4	14	177.3
700	6.5	127.6	1	177.5
710	5.0	125.8	14	177.3
720	4.5	124.1	2	176.7
730	5.0	122.3	14	176.7
740	5.3	120.5	4	177.0
750	5.7	118.8	14	177.0
760	5.8	117.0	6	177.0
770	5.7	115.2	14	177.0
780	5.3	113.4	7	177.0
790	4.6	111.7	14	177.0
800	4.2	109.9	9	177.0
810	4.2	108.1	15	176.7
820	4.6	106.4	1	177.0
830	5.2	104.6	15	177.0
840	5.0	102.8	3	177.0
850	4.3	101.1	15	177.0
860	4.1	99.3	5	176.7
870	4.1	97.5	15	176.7
880	4.3	95.7	6	176.7
890	4.1	94.0	15	177.0
900	3.4	92.2	8	177.0
910	2.6	90.4	16	177.0
920	2.4	88.7	0	176.7
930	2.3	86.9	16	176.5
940	2.2	85.1	2	176.5
950	2.0	83.4	16	176.2
960	1.9	81.6	3	176.2
970	1.9	79.9	16	175.7
980	1.8	78.1	5	175.4
990	1.8	76.4	16	175.1
1000	1.8	74.6	7	175.1
1010	1.6	72.9	16	174.6
1020	0.0	71.1	9	174.1

17

0

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103	-4.1	69.4	21	173.0
0	-7.7	67.7	8	170.6
104	-7.6	66.0	22	167.4
0	-4.7	64.3	0	164.5
105	-3.5	62.7	22	162.3
0	-1.9	61.1	1	169.8
106	2.3	59.9	22	122.1
0	19.5	58.9	3	85.7
107	41.1	58.1	22	75.6
0	46.2	57.4	5	52.9
108	31.7	57.0	22	45.5
0	11.9	56.6	6	33.8
109	0.0	56.3	22	27.4
0	-0.3	56.1	8	19.1
110	-4.5	55.9	22	14.9
0	-15.1	55.8	9	9.0
111	-23.9	55.8	22	4.5
0	-26.2	55.8	9	-1.5
112	-21.7	55.8	23	-7.7
0	-13.3	55.9	0	-13.5
113	-6.4	56.1	23	-17.3
0	-5.0	56.3	0	-19.1
114	-8.7	56.5	23	-21.0
0	-14.6	56.7	1	-21.2
115	-20.2	56.9	23	-23.1
0	-24.0	57.2	1	-34.3
116	-25.4	57.6	23	-37.5
0	-24.4	58.0	1	-49.2
117	-22.0	58.5	23	-56.4
0	-18.6	59.1	2	-62.8
118	-16.1	59.7	23	-67.8
0	-14.4	60.3	2	-72.6
119	-14.5	61.0	23	-77.2
0	-16.1	61.7	2	-81.4
120	-18.8	62.5	23	-85.7
0	-21.2	63.3	2	-83.3
121	-22.0	64.2	23	-89.1
0	-21.8	65.1	2	-95.0
122	-20.6	66.1	23	-100.8
0	-18.4	67.2	2	-106.4
123	-17.1	68.3	23	-111.2
0	-16.8	69.4	1	-116.3
124	-17.6	70.6	23	-120.0
0	-19.0	71.9	1	-125.1
125	-19.9	73.2	23	-130.1
0	-20.6	74.5	1	-135.5
126	-20.9	75.9	23	-140.5
0	-21.0	77.3	1	-146.1
127	-20.6	78.8	23	-151.7
0	-19.9	80.4	1	-157.0
128	-17.8	82.0	23	-161.8
0	-15.2	83.7	0	-166.1
129	-13.7	85.4	23	-170.1
0	-14.0	87.1	0	-173.0
130			22	
0			9	
131			22	
0			9	
132			22	
0			8	
133			22	

157	-16.7	88.8	19	-173.8
0	-20.2	90.6	9	-174.1
158	-22.6	92.3	19	-174.3
0	-22.9	94.0	7	-174.6
159	-22.4	95.8	19	-174.3
0	-22.2	97.5	5	-174.3
160	-21.2	99.3	19	-174.3
0	-19.5	101.0	3	-174.3
161	-17.6	102.8	19	-174.1
0	-15.7	104.5	2	-174.1
162	-15.3	106.2	19	-173.5
0	-16.0	108.0	0	-173.8
163	-16.3	109.7	18	-173.8
0	-16.3	111.5	8	-174.1
164	-16.3	113.2	18	-173.8
0	-16.1	114.9	6	-173.8
165	-16.0	116.7	18	-173.8
0	-15.1	118.4	5	-173.8
166	-13.3	120.2	18	-173.8
0	-11.8	121.9	3	-173.3
167	-11.4	123.6	18	-173.5
0	-12.2	125.4	1	-173.5
168	-13.2	127.1	17	-173.3
0	-14.0	128.8	9	-173.8
169	-14.1	130.6	17	-173.8
0	-14.8	132.3	8	-173.5
170	-15.5	134.0	17	-173.8
0	-15.1	135.8	6	-173.8
171	-14.1	137.5	17	-173.5
0	-12.9	139.3	4	-173.8
172	-12.6	141.0	17	-173.5
0	-13.6	142.7	3	-173.5
173	-14.8	144.5	17	-173.8
0	-14.9	146.2	1	-173.8
174	-14.2	147.9	16	-173.8
0	-14.1	149.7	9	-173.8
175	-14.8	151.4	16	-173.5
0	-15.3	153.2	7	-174.1
176	-15.1	154.9	16	-174.1
0	-14.1	156.6	6	-173.5
177	-12.3	158.4	16	-173.5
0	-11.9	160.1	4	-173.8
178	-12.9	161.8	16	-173.5
0	-12.7	163.6	2	-173.8
179	-12.5	165.3	16	-174.1
0	-12.1	167.1	0	-173.3
180	-11.5	168.8	15	-173.5
0	-11.3	170.5	9	-173.5
181	-10.4	172.3	15	-173.3
0	-9.2	174.0	7	-173.5
182	-7.7	175.7	15	-173.3
0	-5.8	177.5	5	-173.0
183	-4.5	179.2	15	-173.0
0	-3.1	180.9	3	-172.7
184			15	
0			2	
185			15	
0			0	
186			14	
0			8	
187			14	

211	-2.2	182.6	105	-172.5
0	-1.8	184.4	103	-172.7
212	-1.8	186.1	101	-172.2
0	-1.6	187.8	100	-171.7
213	-1.5	189.5	98	-171.9
0	0.3	191.2	96	-171.1
214	7.9	192.9	95	-168.2
0	3.5	194.4	93	-142.1
215	-3.9	195.5	92	-97.9
0	-27.0	196.5	91	-86.2
216	-53.8	197.2	90	-74.2
0	-59.3	197.7	90	-52.4
217	-34.0	198.2	89	-42.0
0	-4.9	198.5	89	-27.1
218	3.1	198.7	89	-17.0
0	12.9	198.8	89	-13.5
219	17.6	198.9	89	-6.9
0	10.0	198.9	89	-1.0
220	0.0	198.9	89	-0.2
0	-0.7	198.9	89	-0.7
221	0.8	198.9	89	0.0
0	7.7	198.9	89	0.2
222	19.9	198.9	89	2.3
0	26.3	198.9	89	6.6
223	22.9	198.7	89	15.4
0	14.9	198.6	89	19.9
224	9.1	198.3	89	21.2
0	11.8	198.1	89	24.2
225	21.4	197.8	90	26.8
0	30.2	197.4	90	32.4
226	33.2	197.0	90	40.1
0	28.5	196.5	91	47.9
227	19.3	195.9	92	66.8
0	12.9	195.2	92	72.1
228	12.6	194.6	93	76.1
0	19.3	193.8	94	79.8
229	27.5	193.1	94	85.9
0	30.6	192.2	95	94.2
230	26.8	191.3	96	94.2
0	19.4	190.3	97	101.1
231	13.8	189.3	98	106.4
0	14.4	188.2	99	110.2
232	20.5	187.0	100	114.2
0	25.5	185.9	102	119.8
233	25.4	184.6	103	126.7
0	20.6	183.3	104	133.3
234	14.4	181.9	106	138.4
0	11.4	180.5	107	141.8
235	14.5	179.1	108	144.8
0	20.3	177.6	110	148.5
236	24.3	176.1	111	154.1
0	21.4	174.5	113	160.5
237	14.5	172.8	115	165.5
0	7.9	171.1	116	169.0
238				
0				
239				
0				
240				
0				
241				

265	7.1	169.4	11	170.9
0	11.8	167.7	8	171.9
266	18.0	166.0	12	174.9
0	20.9	164.2	0	178.6
267	19.7	162.4	12	179.1
0	17.4	160.6	1	179.1
268	15.2	158.8	12	179.1
0	13.6	157.0	3	179.1
269	14.5	155.2	12	179.4
0	16.1	153.4	5	179.4
270	17.6	151.6	12	179.9
0	17.6	149.9	7	179.7
271	16.0	148.1	12	179.7
0	13.8	146.3	9	179.7
272	12.3	144.5	13	179.1
0	12.9	142.7	0	179.4
273	14.4	140.9	13	179.4
0	15.1	139.1	2	179.7
274	14.2	137.3	13	179.9
0	12.2	135.5	4	179.4
275	9.9	133.7	13	179.1
0	8.3	131.9	6	179.1
276	7.6	130.1	13	179.4
0	7.9	128.3	8	179.4
277	8.0	126.5	13	179.7
0	7.7	124.7	9	179.7
278	7.5	122.9	14	179.4
0	6.4	121.1	1	179.4
279	5.3	119.3	14	179.7
0	4.6	117.5	3	179.7
280	4.7	115.7	14	179.4
0	5.2	113.9	5	179.4
281	5.4	112.1	14	179.4
0	5.4	110.4	7	179.4
282	5.0	108.6	14	179.4
0	4.7	106.8	8	179.7
283	4.9	105.0	15	179.4
0	4.7	103.2	0	179.7
284	4.7	101.4	15	179.4
0	4.2	99.6	2	179.7
285	4.2	97.8	15	179.7
0	4.2	96.0	4	179.7
286	3.8	94.2	15	179.7
0	3.4	92.4	6	179.7
287	3.0	90.6	15	179.7
0	2.7	88.8	7	179.7
288	2.6	87.0	15	179.7
0	2.2	85.2	9	179.4
289	1.9	83.4	16	179.1
0	1.8	81.6	1	179.1
290	1.8	79.8	16	178.6
0	1.6	78.1	3	178.3
291	0.1	76.3	16	178.1
0	-3.9	74.5	5	174.3
292			16	
0			6	
293			16	
0			8	
294			17	
0			0	
295			17	

319	-6.1	72.8	21	171.7
0	-5.3	71.1	5	169.3
320	-4.2	69.4	21	166.9
0	-5.2	67.8	6	164.7
321	-8.0	66.1	21	162.6
0	-10.8	64.5	8	158.9
322	-12.3	63.0	22	154.9
0	-11.5	61.5	0	162.9
323	-0.9	60.3	22	121.1
0	3.7	59.2	1	106.2
324	13.4	58.4	22	77.2
0	23.5	57.7	3	67.3
325	20.3	57.2	22	48.7
0	5.2	56.8	4	37.5
326	-0.9	56.5	22	31.1
0	-2.0	56.3	6	22.3
327	-11.3	56.1	22	17.3
0	-20.3	56.0	7	10.3
328	-21.3	55.9	22	5.8
0	-19.1	55.9	8	-0.5
329	-16.5	55.9	22	-2.9
0	-17.1	56.0	9	-7.9
330	-17.4	56.1	23	-12.7
0	-17.8	56.3	0	-17.8
331	-16.8	56.4	23	-22.8
0	-17.5	56.7	0	-27.9
332	-19.9	57.0	23	-30.0
0	-24.4	57.3	1	-32.4
333	-27.4	57.7	23	-46.8
0	-26.7	58.2	1	-55.1
334	-23.2	58.8	23	-63.0
0	-19.0	59.4	1	-69.4
335	-16.8	60.1	23	-75.0
0	-17.0	60.8	1	-80.3
336	-19.0	61.6	23	-85.4
0	-20.9	62.4	1	-90.5
337	-21.2	63.2	23	-88.3
0	-20.1	64.2	2	-94.2
338	-19.5	65.1	23	-99.5
0	-20.3	66.2	2	-104.8
339	-21.2	67.3	23	-110.4
0	-21.8	68.4	2	-116.0
340	-21.3	69.6	23	-122.1
0	-20.5	70.9	1	-127.7
341	-20.3	72.2	23	-133.6
0	-20.5	73.6	1	-138.4
342	-21.2	75.0	23	-144.2
0	-21.3	76.5	1	-149.6
343	-21.7	78.0	23	-155.4
0	-22.1	79.6	1	-160.7
344	-21.7	81.3	23	-166.3
0	-20.9	83.0	1	-172.5
345	-21.3	84.7	23	-174.3
0	-25.5	86.5	0	-174.6
346			23	
0			0	
347			23	
0			0	
348			22	
0			9	
349			22	

373	-30.9	88.2	19	-175.4
0	-33.8	90.0	9	-175.4
374	-33.1	91.7	19	-175.9
0	-30.1	93.5	7	-175.7
375	-28.2	95.2	19	-174.9
0	-28.2	97.0	6	-175.4
376	-29.0	98.8	19	-175.1
0	-28.9	100.5	4	-175.4
377	-27.0	102.3	19	-175.1
0	-23.7	104.0	2	-174.9
378	-21.2	105.8	19	-174.6
0	-20.7	107.5	0	-174.6
379	-21.2	109.2	18	-174.6
0	-21.8	111.0	9	-174.6
380	-22.1	112.7	18	-174.6
0	-21.7	114.5	7	-174.6
381	-20.3	116.2	18	-174.3
0	-18.7	118.0	5	-174.3
382	-17.4	119.7	18	-174.3
0	-16.4	121.5	3	-173.8
383	-17.2	123.2	18	-174.3
0	-18.3	124.9	2	-174.1
384	-19.1	126.7	18	-174.3
0	-19.1	128.4	0	-174.3
385	-18.0	130.2	17	-174.1
0	-17.6	131.9	8	-174.1
386	-18.2	133.7	17	-174.3
0	-18.2	135.4	6	-174.1
387	-17.6	137.1	17	-174.1
0	-17.0	138.9	5	-174.1
388	-16.5	140.6	17	-174.1
0	-16.8	142.4	3	-173.8
389	-18.2	144.1	17	-174.3
0	-18.6	145.8	1	-174.1
390	-19.0	147.6	16	-174.3
0	-19.4	149.3	9	-174.3
391	-20.7	151.1	16	-174.3
0	-22.5	152.8	8	-174.9
392	-23.9	154.6	16	-174.9
0	-24.0	156.3	6	-174.6
393	-23.2	158.1	16	-174.9
0	-22.9	159.8	4	-174.9
394	-23.3	161.6	16	-174.6
0	-22.6	163.3	3	-174.9
395	-21.0	165.1	16	-174.9
0	-19.4	166.8	1	-174.3
396	-18.6	168.6	15	-174.3
0	-17.9	170.3	9	-174.3
397	-17.6	172.0	15	-174.1
0	-16.4	173.8	7	-174.3
398	-14.9	175.5	15	-174.1
0	-12.7	177.3	6	-173.8
399	-11.1	179.0	15	-174.1
0	-9.4	180.7	4	-173.3
400			15	
0			2	
401			15	
0			0	
402			14	
0			9	
403			14	

427	-8.1	182.5	105	-173.5
0	-7.1	184.2	103	-173.0
428	-7.2	185.9	102	-173.0
0	-7.1	187.7	100	-173.3
429	-6.6	189.4	98	-173.5
0	-4.5	191.1	96	-172.7
430	-2.2	192.8	95	-155.4
0	-10.2	194.3	93	-132.8
431	-37.7	195.6	92	-114.4
0	-63.2	196.6	91	-88.3
432	-66.9	197.3	90	-68.9
0	-50.0	197.8	90	-56.7
433	-24.7	198.2	89	-37.2
0	-1.8	198.5	89	-23.6
434	0.7	198.7	89	-20.7
0	-0.7	198.9	89	-14.3
435	-0.7	199.0	88	-11.9
0	-1.2	199.1	88	-8.5
436	1.1	199.2	88	-5.8
0	0.4	199.2	88	-5.3
437	2.8	199.2	88	-3.4
0	8.9	199.3	88	-1.3
438	12.6	199.3	88	1.0
0	11.1	199.2	88	3.1
439	6.9	199.2	88	6.1
0	4.7	199.1	88	7.9
440	6.9	199.0	88	9.5
0	12.6	198.9	89	11.7
441	18.6	198.8	89	15.9
0	20.9	198.6	89	21.2
442	18.3	198.4	89	25.0
0	13.6	198.1	89	26.6
443	11.0	197.8	90	36.7
0	13.0	197.4	90	40.1
444	17.9	197.0	90	44.1
0	22.0	196.6	91	49.5
445	21.8	196.1	91	55.9
0	18.0	195.6	92	56.4
446	13.3	195.0	92	55.1
0	11.3	194.3	93	58.0
447	13.6	193.7	94	60.9
0	17.6	193.0	94	63.8
448	20.6	192.2	95	76.4
0	20.1	191.4	96	82.2
449	16.8	190.5	97	87.3
0	14.1	189.6	98	91.8
450	14.2	188.6	99	95.8
0	17.1	187.7	100	99.5
451	20.9	186.6	101	104.3
0	21.6	185.5	102	109.9
452	19.7	184.4	103	115.8
0	16.1	183.2	104	120.8
453	13.7	182.0	105	125.1
0	13.3	180.7	107	128.3
454				
0				
455				
0				
456				
0				
457				

481	15.5	179.4	10	132.0
0	18.4	178.0	8	136.3
482	19.8	176.6	10	141.0
0	17.9	175.2	9	146.1
483	14.6	173.7	11	150.4
0	11.9	172.2	1	154.1
484	10.8	170.6	11	157.0
0	13.0	169.0	2	159.7
485	16.3	167.4	11	162.6
0	16.8	165.7	4	166.9
486	14.2	164.0	11	170.9
0	10.2	162.3	5	174.1
487	8.4	160.5	11	176.2
0	9.6	158.8	7	177.5
488	12.7	157.0	11	178.6
0	16.8	155.2	8	179.1
489	19.1	153.4	12	179.7
0	18.8	151.6	0	179.7
490	16.5	149.8	12	179.4
0	14.0	148.0	2	179.4
491	12.7	146.2	12	179.4
0	13.6	144.4	3	179.4
492	15.7	142.6	12	179.7
0	17.1	140.8	5	179.7
493	16.8	139.0	12	179.7
0	14.6	137.2	7	179.7
494	11.9	135.4	12	179.4
0	10.6	133.6	9	179.1
495	11.0	131.8	13	179.4
0	12.3	130.1	0	179.4
496	14.0	128.3	13	179.7
0	13.7	126.5	2	179.7
497	12.3	124.7	13	179.7
0	11.4	122.9	4	179.1
498	10.3	121.1	13	179.4
0	10.2	119.3	6	179.4
499	11.4	117.5	13	179.7
0	12.6	115.7	8	179.7
500	13.2	113.9	13	179.7
0	12.1	112.1	9	179.9
501	10.8	110.3	14	179.7
0	9.8	108.5	1	179.7
502	9.5	106.7	14	179.1
0	9.6	104.9	3	179.7
503	9.4	103.1	14	179.4
0	8.7	101.3	5	179.7
504	7.7	99.5	14	179.4
0	7.3	97.7	7	179.4
505	7.6	95.9	14	179.7
0	7.7	94.1	8	179.7
506	8.4	92.3	15	179.4
0	8.5	90.5	0	179.7
507	8.8	88.7	15	179.7
0	8.8	86.9	2	179.7
508			15	
0			4	
509			15	
0			6	
510			15	
0			7	
511			15	

535	7.7	85.2	20	179.7
0	6.0	83.4	2	179.7
536	4.3	81.6	20	179.4
0	3.7	79.8	4	179.4
537	3.4	78.0	20	179.4
0	2.8	76.2	6	179.7
538	2.3	74.4	20	179.4
0	1.9	72.6	8	179.4
539	1.8	70.8	20	179.1
0	1.8	69.0	9	178.6
540	1.6	67.2	21	178.6
0	0.0	65.4	1	177.8
541	-5.0	63.7	21	174.9
0	-8.4	62.0	3	171.4
542	0.0	60.5	21	147.4
0	8.7	59.3	5	101.4
543	34.7	58.3	21	88.3
0	49.0	57.6	7	75.0
544	38.4	57.0	21	52.4
0	15.1	56.6	8	38.3
545	-2.6	56.3	22	27.4
0	-0.4	56.1	0	18.3
546	0.3	55.9	22	15.7
0	-0.3	55.8	2	10.6
547	-4.3	55.7	22	9.0
0	-13.8	55.6	4	5.8
548	-21.3	55.6	22	0.2
0	-23.5	55.6	5	-2.9
549	-18.0	55.7	22	-7.9
0	-9.5	55.8	7	-14.6
550	-6.4	56.0	22	-17.3
0	-11.1	56.2	8	-17.5
551	-20.5	56.4	22	-18.6
0	-27.3	56.6	9	-29.0
552	-26.8	56.9	23	-33.5
0	-21.7	57.3	0	-44.4
553	-17.8	57.8	23	-51.3
0	-18.2	58.3	0	-57.2
554	-21.0	58.8	23	-56.7
0	-23.2	59.4	1	-56.1
555	-22.4	60.1	23	-61.7
0	-19.3	60.8	1	-67.0
556	-18.2	61.6	23	-71.6
0	-20.7	62.5	1	-84.3
557	-24.1	63.4	23	-90.5
0	-25.1	64.3	2	-97.1
558	-23.1	65.4	23	-103.8
0	-19.3	66.4	2	-110.2
559	-17.0	67.6	23	-115.2
0	-18.0	68.8	2	-119.8
560	-20.9	70.0	23	-124.5
0	-22.4	71.3	2	-130.1
561	-20.5	72.6	23	-136.0
0	-17.4	74.0	2	-141.0
562			23	
0			2	
563			23	
0			2	
564			23	
0			2	
565			23	

589	-14.9	75.5	21	-145.6
0	-15.9	77.0	2	-149.3
590	-18.0	78.5	21	-153.3
0	-19.9	80.1	0	-158.1
591	-19.0	81.7	20	-163.1
0	-15.6	83.4	9	-167.7
592	-13.0	85.1	20	-171.4
0	-14.5	86.8	7	-173.5
593	-20.3	88.5	20	-174.6
0	-26.3	90.3	6	-174.6
594	-28.3	92.0	20	-174.9
0	-27.4	93.8	4	-175.4
595	-26.2	95.5	20	-175.1
0	-26.8	97.3	2	-175.1
596	-28.6	99.0	20	-175.4
0	-30.2	100.8	1	-175.4
597	-30.5	102.6	19	-175.4
0	-29.4	104.3	9	-175.7
598	-28.1	106.1	19	-175.4
0	-27.8	107.8	7	-175.1
599	-28.3	109.6	19	-175.4
0	-29.2	111.3	5	-175.1
600	-30.4	113.1	19	-175.4
0	-30.9	114.8	4	-175.4
601	-30.4	116.6	19	-175.7
0	-28.5	118.3	2	-175.4
602	-26.2	120.1	19	-175.1
0	-24.5	121.8	0	-174.6
603	-24.3	123.6	18	-174.9
0	-25.2	125.3	8	-175.1
604	-26.3	127.1	18	-174.9
0	-26.4	128.8	7	-175.4
605	-25.4	130.6	18	-175.1
0	-24.8	132.3	5	-174.6
606	-24.7	134.1	18	-174.9
0	-24.1	135.8	3	-174.9
607	-22.8	137.6	18	-174.6
0	-21.2	139.3	1	-174.6
608	-20.1	141.1	18	-174.6
0	-20.1	142.8	0	-174.6
609	-20.1	144.6	17	-174.6
0	-19.4	146.3	8	-174.6
610	-18.3	148.1	17	-174.3
0	-18.0	149.8	6	-174.3
611	-18.3	151.6	17	-174.3
0	-18.6	153.3	4	-174.3
612	-17.8	155.0	17	-174.6
0	-15.6	156.8	3	-174.1
613	-14.2	158.5	17	-173.8
0	-14.2	160.3	1	-174.1
614	-14.9	162.0	16	-174.1
0	-14.8	163.7	9	-174.1
615	-14.0	165.5	16	-174.3
0	-12.6	167.2	7	-173.5
616			16	
0			6	
617			16	
0			4	
618			16	
0			2	
619			16	

643	-11.7	169.0	118	-173.8
0	-10.8	170.7	117	-173.8
644	-10.0	172.4	115	-173.5
0	-8.8	174.2	113	-173.5
645	-7.3	175.9	112	-173.5
0	-5.6	177.6	110	-173.3
646	-3.9	179.4	108	-173.0
0	-2.8	181.1	106	-173.0
647	-2.3	182.8	105	-173.0
0	-2.0	184.6	103	-173.0
648	-1.9	186.3	101	-172.5
0	-1.8	188.0	99	-172.2
649	-1.5	189.7	98	-172.2
0	-1.5	191.4	96	-171.4
650	0.7	193.1	94	-153.6
0	-2.7	194.6	93	-125.6
651	-6.5	195.8	92	-117.1
0	-32.4	196.6	91	-83.8
652	-53.7	197.3	90	-66.2
0	-54.1	197.9	90	-45.7
653	-33.6	198.3	89	-37.2
0	-7.1	198.6	89	-23.6
654	1.8	198.8	89	-20.2
0	5.6	198.9	89	-13.5
655	12.5	199.0	88	-8.2
0	10.7	199.1	88	-6.1
656	2.7	199.1	88	-3.9
0	-0.5	199.2	88	-5.0
657	0.0	199.2	88	-4.5
0	4.5	199.3	88	-3.1
658	11.0	199.3	88	-1.0
0	15.5	199.3	88	0.7
659	15.3	199.2	88	4.5
0	11.9	199.2	88	8.5
660	9.2	199.1	88	11.9
0	9.5	198.9	89	14.6
661	13.8	198.8	89	17.8
0	19.0	198.6	89	21.8
662	21.4	198.4	89	27.9
0	19.7	198.1	89	30.8
663	15.5	197.7	90	32.4
0	12.5	197.3	90	44.1
664	13.8	196.9	91	48.1
0	18.2	196.4	91	52.4
665	22.4	195.9	92	57.7
0	23.6	195.3	92	64.4
666	21.0	194.7	93	70.5
0	17.4	194.0	93	77.7
667	15.5	193.3	94	82.5
0	16.4	192.5	95	87.0
668	19.4	191.6	96	83.8
0	21.2	190.8	97	89.1
669	20.5	189.8	98	94.7
0	17.4	188.8	99	100.3
670				
0				
671				
0				
672				
0				
673				

697	15.1	187.8	10	105.1
0	14.5	186.7	0	108.8
698	15.9	185.6	10	113.1
0	18.0	184.4	1	117.1
699	19.7	183.2	10	122.1
0	18.6	182.0	2	126.9
700	15.6	180.7	10	131.7
0	12.9	179.3	3	135.7
701	13.3	177.9	10	139.2
0	14.4	176.5	4	142.4
702	16.1	175.1	10	146.1
0	16.4	173.6	5	150.1
703	14.6	172.0	10	154.1
0	11.4	170.5	7	157.8
704	10.0	168.9	10	160.5
0	11.0	167.3	8	162.9
705	12.6	165.6	11	165.5
0	13.8	163.9	0	168.5
706	12.9	162.2	11	171.7
0	11.7	160.5	1	174.6
707	10.3	158.7	11	177.0
0	10.3	156.9	2	178.3
708	12.6	155.1	11	179.1
0	15.3	153.3	4	179.1
709	17.0	151.6	11	179.7
0	16.1	149.8	5	179.7
710	14.0	148.0	11	179.7
0	11.8	146.2	7	179.4
711	10.2	144.4	11	179.1
0	10.4	142.6	9	179.1
712	11.7	140.8	12	179.4
0	13.0	139.0	0	179.7
713	13.7	137.2	12	179.7
0	13.2	135.4	2	179.7
714	12.3	133.6	12	179.4
0	11.8	131.8	4	179.7
715	12.1	130.0	12	179.7
0	13.4	128.2	5	179.9
716	14.1	126.4	12	179.9
0	14.2	124.6	7	179.9
717	14.0	122.8	12	179.7
0	12.7	121.0	9	179.7
718	11.8	119.2	13	179.7
0	11.7	117.4	1	179.4
719	12.3	115.6	13	179.7
0	12.9	113.8	2	179.9
720	12.6	112.0	13	179.9
0	11.9	110.2	4	179.9
721	11.0	108.4	13	179.4
0	10.2	106.6	6	179.4
722	9.9	104.8	13	179.7
0	9.4	103.0	8	179.4
723	8.5	101.2	13	179.4
0	7.7	99.5	9	179.4
724			14	
0			1	
725			14	
0			3	
726			14	
0			5	
727			14	

751	6.9	97.7	19	179.4
0	6.5	95.9	0	179.4
752	5.7	94.1	19	179.4
0	5.4	92.3	2	179.7
753	5.4	90.5	19	179.4
0	5.3	88.7	3	179.4
754	5.3	86.9	19	179.4
0	4.3	85.1	5	179.4
755	3.0	83.3	19	179.4
0	2.0	81.5	7	179.7
756	2.0	79.7	19	179.1
0	1.9	77.9	9	179.1
757	1.8	76.1	20	178.9
0	1.8	74.3	1	178.6
758	1.5	72.6	20	178.1
0	0.4	70.8	2	177.8
759	-3.4	69.0	20	174.9
0	-6.1	67.3	4	171.9
760	-5.7	65.6	20	169.5
0	-3.7	63.9	6	167.1
761	-2.6	62.3	20	148.8
0	0.9	60.8	8	133.3
762	3.4	59.5	21	115.8
0	19.0	58.6	0	80.6
763	38.0	57.8	21	70.5
0	36.5	57.2	1	59.6
764	19.0	56.8	21	40.7
0	-0.3	56.5	3	29.8
765	-1.1	56.2	21	22.3
0	-5.8	56.0	5	18.6
766	-14.2	55.9	21	11.4
0	-19.9	55.8	7	7.1
767	-20.3	55.8	21	0.0
0	-20.1	55.8	8	-2.3
768	-18.7	55.9	22	-8.7
0	-15.9	56.0	0	-13.8
769	-12.3	56.2	22	-18.3
0	-11.0	56.4	2	-19.7
770	-12.9	56.6	22	-20.7
0	-18.4	56.8	4	-23.9
771	-25.6	57.2	22	-34.8
0	-29.7	57.5	5	-38.3
772	-30.6	58.0	22	-42.0
0	-27.7	58.5	7	-49.5
773	-23.5	59.1	22	-55.9
0	-20.7	59.7	8	-61.2
774	-19.9	60.5	22	-66.5
0	-20.3	61.3	9	-71.3
775	-21.3	62.1	23	-76.1
0	-22.1	63.0	0	-89.9
776	-22.2	64.0	23	-96.6
0	-22.9	65.0	0	-102.2
777	-23.5	66.0	23	-108.6
0	-23.1	67.2	1	-115.0
778			23	
0			1	
779			23	
0			1	
780			23	
0			1	
781			23	

805	-22.5	68.4	21	-121.3
0	-21.6	69.6	9	-127.7
806	-20.7	70.9	21	-133.1
0	-21.2	72.3	8	-138.9
807	-22.1	73.8	21	-144.2
0	-22.1	75.2	7	-150.1
808	-21.8	76.8	21	-155.7
0	-22.0	78.4	5	-161.8
809	-22.5	80.0	21	-167.4
0	-22.2	81.8	4	-173.0
810	-22.9	83.5	21	-174.9
0	-25.9	85.3	2	-175.1
811	-30.0	87.0	21	-175.1
0	-32.5	88.8	1	-175.9
812	-32.5	90.5	20	-175.9
0	-30.1	92.3	9	-175.4
813	-27.3	94.0	20	-175.1
0	-26.6	95.8	7	-175.1
814	-27.8	97.5	20	-174.9
0	-28.5	99.3	6	-175.4
815	-27.1	101.0	20	-175.1
0	-25.1	102.8	4	-174.9
816	-23.2	104.5	20	-175.1
0	-23.1	106.3	2	-174.6
817	-23.9	108.0	20	-174.9
0	-24.3	109.8	0	-175.1
818	-23.6	111.5	19	-174.9
0	-23.1	113.3	9	-174.6
819	-22.6	115.0	19	-174.6
0	-22.4	116.8	7	-174.6
820	-22.0	118.5	19	-174.6
0	-21.0	120.3	5	-174.6
821	-20.3	122.0	19	-174.3
0	-19.8	123.8	3	-174.3
822	-19.9	125.5	19	-174.6
0	-19.9	127.3	2	-174.6
823	-19.1	129.0	19	-174.6
0	-18.4	130.7	0	-174.3
824	-18.6	132.5	18	-174.1
0	-19.5	134.2	8	-174.3
825	-19.7	136.0	18	-174.3
0	-19.0	137.7	6	-174.3
826	-17.6	139.5	18	-174.3
0	-17.2	141.2	5	-174.3
827	-17.5	143.0	18	-174.3
0	-18.0	144.7	3	-174.3
828	-17.6	146.4	18	-174.3
0	-16.4	148.2	1	-174.1
829	-16.3	149.9	17	-174.1
0	-16.8	151.7	9	-174.3
830	-17.2	153.4	17	-174.1
0	-16.8	155.2	8	-174.3
831	-15.3	156.9	17	-174.3
0	-14.1	158.6	6	-173.8
832			17	
0			4	
833			17	
0			2	
834			17	
0			1	
835			16	

859	-14.5	160.4	127	-174.1
0	-15.5	162.1	125	-173.8
860	-15.5	163.9	124	-174.1
0	-14.9	165.6	122	-174.3
861	-13.4	167.3	120	-174.1
0	-12.7	169.1	118	-173.5
862	-12.3	170.8	117	-173.8
0	-12.1	172.6	115	-173.5
863	-11.4	174.3	113	-173.8
0	-10.6	176.0	111	-173.8
864	-9.4	177.8	110	-173.3
0	-7.6	179.5	108	-173.3
865	-5.3	181.2	106	-173.5
0	-2.4	183.0	104	-172.7
866	-1.6	184.7	103	-173.0
0	-1.8	186.4	101	-172.5
867	-1.6	188.1	99	-171.9
0	-1.5	189.9	98	-171.9
868	1.2	191.6	96	-171.4
0	9.4	193.2	94	-151.4
869	0.9	194.6	93	-123.2
0	-5.6	195.8	92	-104.0
870	-32.4	196.6	91	-73.4
0	-54.8	197.3	90	-64.6
871	-52.1	197.9	90	-54.3
0	-30.2	198.3	89	-35.9
872	-3.0	198.5	89	-22.3
0	1.8	198.7	89	-18.1
873	7.1	198.9	89	-11.7
0	11.8	199.0	88	-7.9
874	7.1	199.0	88	-4.2
0	-0.7	199.1	88	-3.7
875	-0.5	199.1	88	-3.7
0	0.5	199.1	88	-4.2
876	6.5	199.2	88	-3.7
0	15.6	199.2	88	-0.2
877	20.7	199.2	88	1.5
0	19.7	199.1	88	6.6
878	13.4	199.0	88	13.5
0	8.9	198.8	89	17.5
879	10.7	198.7	89	19.9
0	17.5	198.5	89	23.6
880	23.9	198.2	89	28.7
0	25.8	197.9	90	36.4
881	22.1	197.5	90	39.9
0	16.0	197.1	90	41.2
882	11.7	196.6	91	54.8
0	12.7	196.1	91	57.5
883	18.0	195.5	92	62.0
0	23.6	194.9	93	67.8
884	25.1	194.2	93	74.8
0	22.2	193.5	94	82.2
885	17.8	192.7	95	88.1
0	15.1	191.9	96	85.1
886				
0				
887				
0				
888				
0				
889				

913	15.7	191.0	96	89.4
0	18.6	190.1	97	93.7
914	21.6	189.1	98	98.7
0	21.8	188.1	99	104.8
915	20.1	187.0	100	110.7
0	16.8	185.8	102	116.0
916	15.3	184.6	103	120.3
0	16.7	183.4	104	124.5
917	19.5	182.1	105	128.8
0	20.9	180.8	107	133.9
918	19.3	179.4	108	139.5
0	16.4	178.0	109	144.5
919	13.2	176.5	111	148.5
0	12.1	175.0	112	151.7
920	13.6	173.4	114	154.6
0	15.6	171.9	116	157.8
921	16.3	170.3	117	161.8
0	15.7	168.6	119	165.8
922	13.7	166.9	121	169.8
0	11.8	165.2	122	173.0
923	11.1	163.4	124	175.7
0	11.8	161.7	126	177.8
924	14.6	159.9	128	178.9
0	17.1	158.1	129	179.1
925	17.6	156.3	131	179.4
0	16.5	154.5	133	179.4
926	14.9	152.7	135	179.4
0	13.8	150.9	137	179.1
927	13.4	149.1	138	179.4
0	14.4	147.3	140	179.7
928	15.7	145.5	142	179.7
0	16.4	143.7	144	179.4
929	16.8	141.9	146	179.4
0	16.5	140.1	147	179.7
930	15.9	138.4	149	179.7
0	16.4	136.6	151	179.7
931	17.5	134.8	153	179.7
0	19.1	133.0	154	179.7
932	19.7	131.2	156	179.7
0	18.8	129.4	158	179.9
933	17.0	127.6	160	179.9
0	15.1	125.8	162	179.7
934	14.0	124.0	163	179.7
0	14.0	122.2	165	179.4
935	14.1	120.4	167	179.4
0	14.5	118.6	169	179.4
936	15.5	116.8	171	179.7
0	16.1	115.0	172	179.9
937	16.1	113.2	174	179.9
0	15.5	111.4	176	179.9
938	14.8	109.6	178	179.7
0	14.0	107.8	180	179.4
939	13.8	106.0	181	179.7
0	13.7	104.2	183	179.4
940				
0				
941				
0				
942				
0				
943				

9670	13.0	102.4	18	179.7
9680	12.5	100.6	5	179.7
9690	12.3	98.8	18	179.7
9700	12.3	97.0	7	179.7
9710	12.3	95.2	18	179.4
9720	11.5	93.4	9	179.7
9730	11.1	91.6	19	179.4
9740	10.3	89.8	0	179.4
9750	9.6	88.0	19	179.4
9760	8.7	86.3	2	179.4
9770	6.9	84.5	19	179.7
9780	5.0	82.7	4	179.1
9790	3.4	80.9	19	179.4
9800	2.4	79.1	6	179.1
9810	1.9	77.3	19	179.4
9820	1.9	75.5	8	179.1
9830	1.8	73.7	19	178.9
9840	1.5	71.9	9	178.6
9850	0.4	70.1	20	178.1
9860	-4.6	68.4	1	175.9
9870	-8.7	66.6	20	171.4
9880	-7.9	64.9	3	168.5
9890	-3.9	63.3	20	165.8
9900	-2.0	61.7	5	147.2
9910	2.4	60.2	20	148.8
9920	14.9	59.1	7	105.1
9930	41.0	58.2	20	89.9
9940	44.7	57.6	8	64.4
9950	31.5	57.1	21	49.5
9960	10.3	56.7	0	36.4
9970	-0.1	56.4	21	24.2
9980	-0.4	56.1	2	20.4
9990	-3.0	56.0	21	14.1
10000	-12.6	55.9	4	10.9
10010	-22.1	55.8	21	6.3
10020	-25.6	55.8	6	-1.0
10030	-23.9	55.8	21	-5.5
10040	-18.8	55.9	7	-11.4
10050	-13.6	56.1	21	-14.9
10060	-11.4	56.3	9	-22.0
10070	-13.4	56.5	22	-23.1
10080	-17.6	56.7	1	-24.2
10090	-21.6	57.0	22	-34.8
10100	-24.1	57.4	3	-37.5
10110	-25.4	57.8	22	-39.6
10120	-25.8	58.3	4	-46.0
10130	-24.7	58.9	22	-63.6
10140	-21.8	59.5	6	-70.8
10150	-18.7	60.2	22	-77.2
10160	-16.5	61.0	7	-82.7
10170	-16.8	61.7	22	-87.3
10180	-19.8	62.6	8	-92.3
10190	-22.1	63.4	22	-89.4
10200	-22.2	64.4	9	-95.8

23

0

23

0

23

1

22

1021	-21.3	65.4	22	-101.4
0	-19.9	66.5	2	-107.5
1022	-19.7	67.6	22	-112.6
0	-20.5	68.7	1	-118.2
1023	-20.9	70.0	22	-123.7
0	-20.6	71.2	0	-129.1
1024	-19.7	72.6	21	-134.7
0	-18.6	74.0	9	-139.7
1025	-18.7	75.4	21	-144.8
0	-19.4	76.9	7	-149.6
1026	-20.6	78.4	21	-154.4
0	-21.0	80.0	6	-160.0
1027	-20.1	81.6	21	-165.0
0	-18.8	83.3	5	-170.3
1028	-18.7	85.1	21	-174.1
0	-22.2	86.8	3	-174.3
1029	-28.1	88.5	21	-175.1
0	-31.6	90.3	2	-175.4
1030	-30.9	92.1	21	-175.4
0	-28.1	93.8	1	-175.7
1031	-26.7	95.6	20	-175.1
0	-27.9	97.3	9	-175.1
1032	-30.0	99.1	20	-175.7
0	-31.2	100.8	7	-175.4
1033	-30.8	102.6	20	-175.4
0	-29.0	104.3	6	-175.7
1034	-27.8	106.1	20	-175.1
0	-27.8	107.8	4	-175.4
1035	-28.1	109.6	20	-175.4
0	-28.5	111.4	2	-175.4
1036	-29.2	113.1	20	-175.1
0	-29.2	114.9	1	-175.7
1037	-28.9	116.6	19	-175.4
0	-27.7	118.4	9	-175.4
1038	-25.9	120.1	19	-175.4
0	-24.5	121.9	7	-174.9
1039	-23.6	123.6	19	-174.9
0	-23.7	125.4	5	-175.1
1040	-23.7	127.1	19	-174.6
0	-23.3	128.9	4	-174.9
1041	-21.8	130.6	19	-174.9
0	-21.3	132.4	2	-174.6
1042	-21.3	134.1	19	-174.6
0	-20.9	135.9	0	-174.6
1043	-19.9	137.6	18	-174.6
0	-18.7	139.4	8	-174.3
1044	-18.3	141.1	18	-174.6
0	-18.6	142.8	7	-174.3
1045	-18.8	144.6	18	-174.6
0	-18.0	146.3	5	-174.3
1046	-16.7	148.1	18	-174.1
0	-16.1	149.8	3	-174.3
1047	-16.4	151.6	18	-174.1
0	-16.8	153.3	1	-174.1
1048			18	
0			0	
1049			17	
0			8	
1050			17	
0			6	
1051			17	

1075	-16.5	155.1	132	-174.3
0	-14.8	156.8	131	-174.1
1076	-13.4	158.5	129	-174.1
0	-13.4	160.3	127	-174.1
1077	-14.2	162.0	125	-174.1
0	-14.4	163.8	124	-173.8
1078	-13.6	165.5	122	-174.1
0	-12.2	167.2	120	-173.5
1079	-11.4	169.0	118	-173.8
0	-10.8	170.7	117	-173.8
1080	-10.2	172.4	115	-173.5
0	-9.2	174.2	113	-173.8
1081	-8.1	175.9	112	-173.5
0	-6.8	177.7	110	-173.3
1082	-5.7	179.4	108	-173.3
0	-4.2	181.1	106	-173.3
1083	-2.8	182.9	105	-173.0
0	-1.8	184.6	103	-173.0
1084	-1.8	186.3	101	-172.7
0	-1.6	188.0	99	-172.2
1085	-1.5	189.8	98	-172.2
0	-0.8	191.5	96	-171.7
1086	6.8	193.1	94	-153.0
0	2.2	194.6	93	-123.5
1087	-4.2	195.7	92	-106.2
0	-26.4	196.6	91	-74.5
1088	-51.4	197.3	90	-65.7
0	-51.4	197.9	90	-55.1
1089	-30.4	198.2	89	-36.7
0	-0.8	198.5	89	-28.2
1090	2.4	198.7	89	-18.6
0	12.1	198.9	89	-14.1
1091	16.3	199.0	88	-7.1
0	10.0	199.0	88	-2.1
1092	-0.5	199.0	88	0.0
0	-0.8	199.0	88	-0.2
1093	1.9	199.0	88	-2.1
0	9.5	199.0	88	0.5
1094	18.8	199.0	88	2.1
0	22.1	198.9	89	7.4
1095	18.0	198.8	89	11.7
0	10.6	198.7	89	19.4
1096	8.1	198.4	89	22.6
0	12.9	198.2	89	25.2
1097	21.7	198.0	89	29.5
0	27.7	197.7	90	36.2
1098	27.1	197.3	90	43.6
0	21.3	196.8	91	51.9
1099	14.6	196.3	91	58.5
0	11.9	195.8	92	51.1
1100	14.8	195.2	92	54.5
0	21.0	194.5	93	58.3
1101	25.5	193.8	94	63.3
0	25.4	193.1	94	69.4
1102				
0				
1103				
0				
1104				
0				
1105				

1129	20.9	192.2	95	83.8
0	16.4	191.3	96	89.7
1130	15.5	190.4	97	93.9
0	18.0	189.4	98	98.2
1131	21.8	188.4	99	103.2
0	23.7	187.3	100	109.1
1132	22.0	186.2	101	115.5
0	17.6	185.0	102	121.3
1133	15.2	183.8	104	125.9
0	15.9	182.5	105	129.6
1134	18.4	181.1	106	134.1
0	21.3	179.8	108	139.2
1135	22.5	178.3	109	144.8
0	19.8	176.8	111	150.6
1136	15.1	175.3	112	155.7
0	11.3	173.7	114	159.2
1137	10.6	172.1	115	161.8
0	12.2	170.5	117	164.2
1138	15.2	168.8	119	167.1
0	16.1	167.1	120	170.6
1139	14.4	165.3	122	174.9
0	11.1	163.6	124	177.8
1140	10.0	161.8	126	178.6
0	12.3	160.0	127	179.1
1141	15.9	158.2	129	179.7
0	18.3	156.4	131	179.9
1142	18.6	154.6	133	179.9
0	17.6	152.8	135	179.7
1143	16.1	151.0	136	179.7
0	15.2	149.2	138	179.4
1144	15.3	147.4	140	179.9
0	17.0	145.6	142	179.7
1145	18.2	143.8	144	179.7
0	18.7	142.0	145	179.7
1146	18.0	140.2	147	179.7
0	16.3	138.4	149	179.7
1147	14.4	136.6	151	179.7
0	14.1	134.8	153	179.4
1148	14.9	133.1	154	179.4
0	15.5	131.3	156	179.7
1149	15.6	129.5	158	179.7
0	15.1	127.7	160	179.9
1150	14.0	125.9	162	179.4
0	13.2	124.1	163	179.4
1151	12.9	122.3	165	179.7
0	12.5	120.5	167	179.4
1152	12.5	118.7	169	179.7
0	12.5	116.9	171	179.7
1153	12.5	115.1	172	179.4
0	12.1	113.3	174	179.4
1154	11.0	111.5	176	179.7
0	10.4	109.7	178	179.4
1155	10.2	107.9	180	179.4
0	10.7	106.1	181	179.7
1156				
0				
1157				
0				
1158				
0				
1159				

1183	11.5	104.3	18	179.4
0	11.7	102.5	3	179.7
1184	11.7	100.7	18	179.7
0	11.5	98.9	5	179.4
1185	11.3	97.1	18	179.7
0	10.7	95.3	7	179.7
1186	10.0	93.5	18	179.4
0	9.6	91.7	9	179.4
1187	9.2	90.0	19	179.4
0	9.2	88.2	0	179.4
1188	8.9	86.4	19	179.4
0	7.9	84.6	2	179.4
1189	6.4	82.8	19	179.4
0	5.4	81.0	4	179.4
1190	5.3	79.2	19	179.4
0	5.4	77.4	6	179.4
1191	5.0	75.6	19	179.7
0	4.1	73.8	7	179.7
1192	3.0	72.0	19	179.4
0	2.6	70.2	9	179.4
1193	2.2	68.4	20	179.4
0	1.9	66.6	1	179.1
1194	1.8	64.8	20	178.9
0	1.6	63.0	3	178.9
1195	1.5	61.3	20	192.4
0	3.7	59.9	5	137.9
1196	29.3	58.7	20	114.4
0	53.6	57.9	6	80.3
1197	55.7	57.2	20	60.9
0	34.7	56.8	8	39.9
1198	10.7	56.4	21	31.4
0	-1.4	56.2	0	22.3
1199	0.7	56.0	21	18.1
0	1.6	55.9	2	12.5
1200	0.9	55.7	21	10.3
0	-0.7	55.7	4	6.1
1201	-1.9	55.6	21	5.0
0	-15.1	55.6	5	1.8
1202	-26.8	55.6	21	-2.3
0	-24.5	55.7	7	-7.4
1203	-11.0	55.8	21	-12.2
0	-0.8	55.9	9	-14.6
1204	-1.9	56.1	22	-14.6
0	-15.1	56.3	1	-15.9
1205	-27.8	56.5	22	-20.2
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1206	-21.7	57.1	22	-41.2
0	-13.4	57.6	4	-47.9
1207	-13.3	58.0	22	-51.9
0	-19.7	58.5	6	-51.1
1208	-26.4	59.1	22	-50.8
0	-26.7	59.7	8	-69.7
1209	-20.5	60.4	22	-77.4
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0			0	
1212			23	
0			1	
1213			23	

1237	-14.8	61.9	22	-87.5
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1238	-23.9	63.6	22	-89.4
0	-23.1	64.6	5	-95.8
1239	-18.6	65.6	22	-101.9
0	-15.5	66.6	4	-107.2
1240	-16.5	67.7	22	-111.0
0	-21.4	68.9	3	-115.5
1241	-24.7	70.1	22	-121.6
0	-23.6	71.3	2	-128.0
1242	-18.8	72.7	22	-134.4
0	-15.1	74.1	1	-138.9
1243	-14.2	75.5	22	-142.9
0	-17.5	76.9	0	-146.4
1244	-20.6	78.4	21	-150.9
0	-21.7	80.0	9	-156.5
1245	-18.7	81.6	21	-161.8
0	-14.2	83.2	7	-166.6
1246	-13.4	84.9	21	-169.8
0	-16.5	86.7	6	-173.0
1247	-22.0	88.4	21	-174.3
0	-26.7	90.1	5	-174.9
1248	-27.9	91.9	21	-175.4
0	-25.4	93.7	3	-175.1
1249	-23.1	95.4	21	-174.6
0	-23.2	97.2	2	-174.9
1250	-25.2	98.9	21	-174.9
0	-26.4	100.7	1	-175.1
1251	-26.3	102.4	20	-175.4
0	-24.4	104.2	9	-175.1
1252	-22.9	105.9	20	-174.6
0	-23.1	107.7	7	-174.9
1253	-23.9	109.4	20	-174.9
0	-24.8	111.2	6	-175.1
1254	-26.0	112.9	20	-174.9
0	-26.6	114.7	4	-175.1
1255	-26.3	116.4	20	-175.1
0	-24.7	118.2	3	-175.4
1256	-22.6	119.9	20	-174.9
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1257	-21.0	123.4	19	-174.6
0	-22.2	125.2	9	-175.1
1258	-23.7	126.9	19	-174.6
0	-23.9	128.7	7	-175.1
1259	-22.8	130.4	19	-174.9
0	-21.7	132.2	6	-174.9
1260	-21.4	133.9	19	-174.9
0	-21.0	135.7	4	-174.6
1261	-20.6	137.4	19	-174.6
0	-20.1	139.1	2	-174.9
1262	-20.1	140.9	19	-174.6
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0	-20.7	146.1	9	-174.6
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0			7	
1265			18	
0			5	
1266			18	
0			3	
1267			18	

1291	-19.3	147.9	140	-174.6
0	-18.3	149.6	138	-174.3
1292	-18.3	151.4	136	-174.3
0	-18.6	153.1	134	-174.3
1293	-18.3	154.9	133	-174.6
0	-17.0	156.6	131	-174.3
1294	-15.2	158.3	129	-174.1
0	-14.6	160.1	127	-174.1
1295	-14.9	161.8	126	-174.1
0	-14.8	163.6	124	-174.3
1296	-14.1	165.3	122	-174.1
0	-13.0	167.1	120	-174.1
1297	-12.1	168.8	119	-173.8
0	-11.4	170.5	117	-173.8
1298	-10.0	172.3	115	-173.5
0	-8.3	174.0	113	-173.8
1299	-6.2	175.7	112	-173.5
0	-4.3	177.5	110	-173.0
1300	-3.1	179.2	108	-173.3
0	-2.3	180.9	107	-173.0
1301	-2.0	182.7	105	-172.7
0	-1.8	184.4	103	-172.7
1302	-1.8	186.1	101	-172.5
0	-1.8	187.8	100	-171.9
1303	-1.6	189.6	98	-171.7
0	0.4	191.3	96	-171.1
1304	7.2	193.0	94	-169.0
0	1.6	194.4	93	-142.4
1305	-5.0	195.6	92	-120.5
0	-27.7	196.5	91	-86.5
1306	-54.4	197.2	90	-68.4
0	-55.9	197.8	90	-47.3
1307	-32.8	198.2	89	-38.6
0	-3.8	198.5	89	-24.2
1308	2.2	198.7	89	-19.7
0	9.4	198.9	89	-12.5
1309	15.3	199.0	88	-8.5
0	10.3	199.0	88	-3.4
1310	0.7	199.0	88	-2.1
0	-0.8	199.1	88	-2.6
1311	3.0	199.1	88	-2.1
0	11.9	199.1	88	-0.5
1312	21.4	199.1	88	2.1
0	24.5	199.0	88	6.9
1313	20.6	198.9	89	12.7
0	13.6	198.7	89	21.5
1314	11.0	198.5	89	23.1
0	14.8	198.2	89	23.6
1315	22.8	197.9	90	27.9
0	28.7	197.6	90	33.5
1316	28.6	197.2	90	40.7
0	22.8	196.7	91	47.3
1317	15.3	196.1	91	64.1
0	12.5	195.5	92	62.5
1318				
0				
1319				
0				
1320				
0				
1321				

1345	15.6	194.8	93	59.3
0	21.8	194.1	93	63.3
1346	26.3	193.4	94	68.6
0	25.8	192.6	95	74.8
1347	20.2	191.6	96	90.2
0	14.1	190.7	97	95.3
1348	11.1	189.7	98	99.0
0	14.0	188.7	99	101.9
1349	18.3	187.7	100	105.6
0	21.6	186.6	101	110.7
1350	19.1	185.4	102	116.3
0	14.2	184.2	103	121.3
1351	10.6	183.0	104	125.1
0	10.6	181.7	106	127.2
1352	13.6	180.4	107	130.1
0	17.1	179.1	108	133.3
1353	18.4	177.7	110	137.9
0	15.7	176.3	111	142.4
1354	10.4	174.8	113	146.4
0	8.1	173.4	114	148.8
1355	8.4	171.9	116	150.6
0	11.3	170.3	117	152.5
1356	16.0	168.8	119	155.2
0	17.2	167.2	120	159.2
1357	14.2	165.6	122	163.4
0	10.0	163.9	124	166.9
1358	7.1	162.2	125	169.0
0	8.5	160.5	127	170.1
1359	11.9	158.8	129	172.5
0	13.8	157.1	130	175.1
1360	13.7	155.3	132	177.8
0	12.3	153.5	134	178.9
1361	11.8	151.7	136	178.9
0	12.9	149.9	138	179.1
1362	14.8	148.1	139	179.7
0	16.3	146.4	141	179.7
1363	16.4	144.6	143	179.9
0	15.6	142.8	145	179.7
1364	14.5	141.0	146	179.4
0	13.4	139.2	148	179.4
1365	13.2	137.4	150	179.7
0	13.4	135.6	152	179.4
1366	14.8	133.8	154	179.7
0	15.9	132.0	155	179.7
1367	16.3	130.2	157	179.7
0	16.3	128.4	159	179.7
1368	15.3	126.6	161	179.7
0	14.6	124.8	163	179.7
1369	14.8	123.0	164	179.4
0	14.6	121.2	166	179.7
1370	14.6	119.4	168	179.7
0	14.5	117.6	170	179.7
1371	14.4	115.8	172	179.7
0	14.4	114.0	173	179.7
1372				
0				
1373				
0				
1374				
0				
1375				

1399	14.0	112.2	17	179.9
0	14.2	110.4	5	179.7
1400	14.6	108.6	17	179.7
0	14.9	106.8	7	179.9
1401	15.3	105.0	17	179.9
0	14.6	103.2	9	179.7
1402	13.7	101.4	18	179.7
0	12.9	99.6	1	179.4
1403	13.3	97.8	18	179.7
0	13.8	96.0	2	179.7
1404	13.6	94.2	18	179.9
0	12.5	92.4	4	179.7
1405	11.0	90.6	18	179.4
0	9.8	88.8	6	179.4
1406	9.6	87.1	18	179.4
0	8.9	85.3	8	179.7
1407	8.1	83.5	19	179.4
0	7.1	81.7	0	179.4
1408	6.5	79.9	19	179.4
0	6.5	78.1	1	179.1
1409	5.4	76.3	19	179.4
0	4.5	74.5	3	179.4
1410	3.1	72.7	19	179.4
0	2.2	70.9	5	179.4
1411	1.9	69.1	19	179.1
0	1.8	67.3	7	178.9
1412	1.6	65.5	19	178.9
0	1.4	63.7	9	178.3
1413	-1.5	62.0	20	177.8
0	1.2	60.4	0	153.6
1414	6.4	59.2	20	104.0
0	34.0	58.2	2	89.4
1415	53.2	57.4	20	75.6
0	46.4	56.9	4	52.7
1416	23.1	56.5	20	37.8
0	2.7	56.2	6	26.6
1417	-1.5	56.0	20	17.0
0	0.8	55.8	8	14.3
1418	0.0	55.7	20	10.9
0	-0.8	55.6	9	7.1
1419	-3.1	55.6	21	5.8
0	-21.2	55.5	1	1.8
1420	-35.3	55.6	21	-3.4
0	-30.8	55.7	3	-10.9
1421	-12.9	55.8	21	-17.3
0	0.7	56.1	5	-19.9
1422	-0.9	56.3	21	-19.9
0	-12.3	56.5	7	-21.0
1423	-26.6	56.8	21	-24.4
0	-30.0	57.1	8	-30.8
1424	-21.3	57.5	22	-46.0
0	-13.7	58.0	0	-51.9
1425	-13.7	58.5	22	-55.3
0	-20.6	59.0	2	-60.1
1426			22	
0			4	
1427			22	
0			5	
1428			22	
0			7	
1429			22	

1453	-26.0	59.6	22	-60.1
0	-24.8	60.2	8	-60.1
1454	-17.4	60.9	22	-65.4
0	-11.5	61.7	7	-69.7
1455	-13.7	62.5	22	-79.8
0	-20.6	63.4	7	-83.8
1456	-25.6	64.2	22	-89.9
0	-24.5	65.2	6	-96.9
1457	-19.0	66.2	22	-103.5
0	-14.1	67.3	5	-108.3
1458	-14.8	68.4	22	-112.3
0	-19.3	69.5	4	-116.6
1459	-22.5	70.7	22	-121.3
0	-21.2	72.0	3	-127.7
1460	-17.1	73.3	22	-132.8
0	-14.1	74.7	2	-137.3
1461	-16.1	76.1	22	-141.0
0	-20.2	77.5	1	-145.3
1462	-23.3	79.0	22	-150.4
0	-21.8	80.6	0	-156.8
1463	-17.1	82.2	21	-162.1
0	-13.3	83.8	9	-166.3
1464	-13.4	85.5	21	-169.8
0	-17.5	87.3	8	-173.0
1465	-23.3	89.0	21	-174.9
0	-27.1	90.7	7	-175.4
1466	-28.1	92.5	21	-175.1
0	-27.5	94.3	5	-175.4
1467	-27.9	96.0	21	-175.1
0	-29.4	97.8	4	-175.4
1468	-30.1	99.5	21	-175.4
0	-29.2	101.3	3	-175.7
1469	-27.0	103.0	21	-174.9
0	-24.5	104.8	1	-175.1
1470	-24.0	106.5	21	-175.1
0	-25.6	108.3	0	-175.1
1471	-26.7	110.0	20	-175.1
0	-27.3	111.8	8	-175.1
1472	-27.5	113.5	20	-175.1
0	-27.7	115.3	7	-175.4
1473	-27.4	117.0	20	-175.4
0	-26.6	118.8	5	-175.4
1474	-25.4	120.6	20	-175.1
0	-24.1	122.3	4	-175.1
1475	-23.7	124.1	20	-174.9
0	-23.9	125.8	2	-175.1
1476	-23.9	127.6	20	-175.1
0	-23.3	129.3	0	-174.9
1477	-23.1	131.1	19	-175.1
0	-23.3	132.8	8	-174.9
1478	-23.7	134.6	19	-174.9
0	-23.5	136.3	7	-174.9
1479	-22.6	138.1	19	-174.9
0	-21.6	139.8	5	-174.6
1480			19	
0			3	
1481			19	
0			1	
1482			19	
0			0	
1483			19	

1507	-21.2	141.5	146	-174.9
0	-21.4	143.3	144	-174.9
1508	-21.4	145.0	142	-174.9
0	-20.6	146.8	141	-174.6
1509	-19.7	148.5	139	-174.3
0	-19.7	150.3	137	-174.6
1510	-20.2	152.0	135	-174.6
0	-20.5	153.8	134	-174.6
1511	-19.4	155.5	132	-174.6
0	-17.2	157.3	130	-174.6
1512	-16.1	159.0	128	-174.1
0	-16.1	160.8	127	-174.3
1513	-16.3	162.5	125	-174.3
0	-16.1	164.2	123	-174.3
1514	-15.5	166.0	121	-174.1
0	-14.5	167.7	120	-174.1
1515	-13.6	169.5	118	-173.8
0	-12.6	171.2	116	-173.8
1516	-11.1	172.9	115	-173.8
0	-10.2	174.7	113	-173.8
1517	-8.9	176.4	111	-173.8
0	-8.1	178.2	109	-173.5
1518	-7.5	179.9	108	-173.3
0	-6.6	181.6	106	-173.5
1519	-5.4	183.4	104	-173.3
0	-4.7	185.1	102	-173.3
1520	-4.2	186.8	101	-173.3
0	-3.1	188.6	99	-173.0
1521	-1.9	190.3	97	-172.7
0	-1.8	192.0	95	-172.7
1522	-1.9	193.7	94	-183.4
0	-16.5	195.0	92	-129.3
1523	-46.1	196.1	91	-99.8
0	-63.6	196.9	91	-69.7
1524	-60.1	197.6	90	-59.6
0	-38.5	198.1	89	-47.9
1525	-11.7	198.4	89	-30.8
0	0.9	198.6	89	-19.4
1526	1.1	198.8	89	-17.8
0	4.5	198.9	89	-12.2
1527	4.6	199.0	88	-7.9
0	0.8	199.1	88	-7.1
1528	-0.3	199.2	88	-5.3
0	2.3	199.2	88	-4.7
1529	9.4	199.2	88	-1.5
0	14.6	199.2	88	0.7
1530	16.4	199.2	88	2.9
0	13.7	199.1	88	8.2
1531	10.4	199.0	88	11.1
0	10.4	198.9	89	12.7
1532	15.2	198.7	89	18.9
0	21.4	198.5	89	23.6
1533	25.2	198.3	89	29.8
0	24.5	197.9	90	37.5
1534				
0				
1535				
0				
1536				
0				
1537				

1561	20.6	197.6	90	40.7
0	16.3	197.1	90	41.5
1562	15.3	196.6	91	55.9
0	18.2	196.1	91	60.1
1563	22.9	195.5	92	65.7
0	26.0	194.8	93	72.9
1564	25.1	194.1	93	80.3
0	21.2	193.3	94	87.8
1565	17.8	192.5	95	93.7
0	17.6	191.6	96	90.2
1566	19.9	190.7	97	95.3
0	22.8	189.7	98	100.6
1567	23.6	188.6	99	106.7
0	21.6	187.5	100	113.1
1568	17.5	186.3	101	118.7
0	15.2	185.1	102	123.5
1569	16.0	183.8	104	127.5
0	18.4	182.5	105	131.7
1570	19.4	181.2	106	136.5
0	17.1	179.8	108	141.6
1571	14.2	178.3	109	145.8
0	11.8	176.8	111	149.6
1572	10.8	175.3	112	152.2
0	12.2	173.8	114	154.6
1573	14.1	172.2	115	157.6
0	13.6	170.6	117	161.0
1574	12.5	169.0	118	164.5
0	11.3	167.3	120	167.4
1575	9.9	165.6	122	169.8
0	9.8	163.9	124	171.9
1576	10.3	162.1	125	174.1
0	11.8	160.4	127	176.5
1577	12.3	158.6	129	178.6
0	12.3	156.8	131	179.1
1578	12.9	155.0	132	179.1
0	13.7	153.2	134	179.4
1579	14.5	151.4	136	179.4
0	14.8	149.6	138	179.4
1580	14.4	147.8	140	179.9
0	13.4	146.0	141	179.7
1581	12.6	144.2	143	179.7
0	12.7	142.5	145	179.4
1582	13.2	140.7	147	179.7
0	13.7	138.9	149	179.4
1583	13.7	137.1	150	179.7
0	13.3	135.3	152	179.7
1584	12.7	133.5	154	179.4
0	12.1	131.7	156	179.4
1585	11.5	129.9	158	179.7
0	12.1	128.1	159	179.4
1586	12.1	126.3	161	179.7
0	12.6	124.5	163	179.9
1587	13.4	122.7	165	179.7
0	13.8	120.9	167	179.9
1588				
0				
1589				
0				
1590				
0				
1591				

1615	14.1	119.1	16	179.9
0	14.5	117.3	8	179.7
1616	15.2	115.5	17	179.9
0	15.7	113.7	0	179.9
1617	15.3	111.9	17	179.7
0	14.6	110.1	2	179.9
1618	13.4	108.3	17	179.7
0	12.9	106.5	4	179.7
1619	12.9	104.7	17	179.7
0	12.6	102.9	6	179.7
1620	12.3	101.1	17	179.7
0	11.9	99.3	7	179.4
1621	11.0	97.5	17	179.9
0	9.8	95.7	9	179.7
1622	8.3	93.9	18	179.4
0	7.1	92.1	1	179.4
1623	5.8	90.3	18	179.1
0	5.3	88.6	3	179.4
1624	5.4	86.8	18	179.4
0	4.9	85.0	5	179.7
1625	3.8	83.2	18	179.4
0	2.6	81.4	6	179.4
1626	2.0	79.6	18	179.1
0	1.9	77.8	8	179.1
1627	1.8	76.0	19	179.1
0	1.8	74.2	0	178.9
1628	1.6	72.4	19	178.3
0	0.9	70.6	2	178.1
1629	-3.4	68.9	19	176.5
0	-8.1	67.1	4	172.5
1630	-7.9	65.4	19	169.3
0	-4.1	63.8	5	166.6
1631	-1.5	62.1	19	165.0
0	2.4	60.7	7	130.7
1632	6.8	59.4	19	113.1
0	30.6	58.5	9	79.0
1633	44.7	57.8	20	69.4
0	38.8	57.2	1	58.8
1634	19.4	56.7	20	35.9
0	0.8	56.4	2	29.2
1635	-0.4	56.2	20	21.5
0	0.5	56.0	4	15.1
1636	0.0	55.9	20	12.7
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1637	-9.8	55.7	20	6.9
0	-24.8	55.7	8	1.5
1638	-31.2	55.7	21	-3.4
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1639	-13.0	55.9	21	-16.5
0	-5.6	56.1	1	-17.5
1640	-9.8	56.3	21	-18.6
0	-21.7	56.6	3	-26.3
1641	-30.1	56.8	21	-29.8
0	-30.1	57.2	5	-34.0
1642			21	
0			7	
1643			21	
0			9	
1644			22	
0			0	
1645			22	

1669	-23.3	57.6	23	-41.2
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1670	-17.5	58.7	22	-51.1
0	-21.8	59.3	9	-67.6
1671	-24.4	60.0	22	-73.2
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1672	-18.2	61.5	22	-87.8
0	-16.5	62.3	8	-92.9
1673	-19.3	63.2	22	-89.1
0	-23.3	64.1	7	-95.0
1674	-25.1	65.1	22	-101.1
0	-22.6	66.2	7	-108.0
1675	-18.0	67.3	22	-113.9
0	-15.7	68.5	6	-118.7
1676	-17.1	69.7	22	-123.2
0	-20.6	71.0	5	-127.7
1677	-22.4	72.3	22	-133.6
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1678	-17.1	75.1	22	-144.8
0	-16.0	76.6	3	-148.8
1679	-17.8	78.1	22	-153.0
0	-21.3	79.7	2	-157.8
1680	-22.1	81.3	22	-163.1
0	-19.0	83.0	1	-169.0
1681	-14.4	84.7	22	-173.3
0	-14.0	86.4	0	-174.1
1682	-19.1	88.2	21	-174.3
0	-25.0	89.9	9	-174.6
1683	-27.5	91.7	21	-175.4
0	-26.0	93.4	8	-175.4
1684	-23.9	95.2	21	-174.9
0	-23.7	96.9	6	-174.9
1685	-25.6	98.7	21	-174.9
0	-28.1	100.4	5	-175.1
1686	-28.9	102.2	21	-175.4
0	-27.8	103.9	4	-175.4
1687	-25.9	105.7	21	-175.1
0	-25.1	107.4	2	-175.1
1688	-25.4	109.2	21	-174.9
0	-26.0	111.0	1	-175.1
1689	-27.3	112.7	20	-175.1
0	-27.9	114.5	9	-175.4
1690	-27.3	116.2	20	-175.4
0	-26.0	118.0	8	-175.4
1691	-24.3	119.7	20	-175.1
0	-23.1	121.5	6	-175.1
1692	-23.5	123.2	20	-174.9
0	-24.4	125.0	4	-175.1
1693	-25.0	126.7	20	-175.1
0	-24.7	128.5	3	-175.1
1694	-23.2	130.2	20	-174.9
0	-22.1	132.0	1	-174.9
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0			8	
1697			19	
0			6	
1698			19	
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1699			19	

1723	-21.6	137.2	150	-174.9
0	-20.7	139.0	148	-174.6
1724	-20.2	140.7	147	-174.9
0	-20.2	142.5	145	-174.6
1725	-20.6	144.2	143	-174.9
0	-19.9	146.0	141	-174.6
1726	-18.6	147.7	140	-174.6
0	-17.8	149.4	138	-174.6
1727	-17.9	151.2	136	-174.3
0	-18.3	152.9	135	-174.3
1728	-18.3	154.7	133	-174.6
0	-17.0	156.4	131	-174.3
1729	-15.1	158.2	129	-174.1
0	-14.1	159.9	128	-174.3
1730	-15.1	161.6	126	-174.1
0	-15.3	163.4	124	-174.1
1731	-15.1	165.1	122	-174.3
0	-14.1	166.9	121	-174.1
1732	-13.4	168.6	119	-174.1
0	-12.6	170.4	117	-173.8
1733	-12.1	172.1	115	-173.8
0	-11.3	173.8	114	-173.8
1734	-10.3	175.6	112	-173.5
0	-9.4	177.3	110	-173.5
1735	-8.5	179.0	108	-173.8
0	-7.6	180.8	107	-173.3
1736	-6.5	182.5	105	-173.5
0	-5.0	184.3	103	-173.5
1737	-4.2	186.0	101	-173.0
0	-3.0	187.7	100	-173.0
1738	-1.9	189.4	98	-173.3
0	-1.8	191.2	96	-172.5
1739	-1.6	192.9	95	-172.5
0	-2.8	194.4	93	-131.7
1740	-23.3	195.6	92	-113.4
0	-53.2	196.6	91	-96.9
1741	-63.7	197.3	90	-68.6
0	-51.3	197.8	90	-51.9
1742	-24.7	198.2	89	-33.5
0	1.9	198.5	89	-28.7
1743	1.6	198.7	89	-19.4
0	4.9	198.9	89	-12.7
1744	7.9	199.0	88	-10.6
0	4.5	199.1	88	-7.1
1745	1.1	199.1	88	-5.8
0	0.9	199.2	88	-5.8
1746	4.9	199.3	88	-3.4
0	11.3	199.3	88	-1.0
1747	18.3	199.3	88	0.2
0	22.0	199.2	88	4.5
1748	20.9	199.2	88	9.0
0	16.8	199.0	88	14.1
1749	14.1	198.8	89	18.3
0	15.7	198.6	89	21.5
1750				
0				
1751				
0				
1752				
0				
1753				

1777	21.2	198.3	89	25.8
0	26.0	198.0	89	31.4
1778	27.0	197.6	90	37.5
0	23.5	197.1	90	44.1
1779	17.8	196.6	91	60.6
0	15.1	196.0	91	59.9
1780	16.4	195.4	92	57.5
0	21.2	194.7	93	61.7
1781	25.5	194.0	93	66.8
0	26.4	193.2	94	73.2
1782	22.8	192.3	95	88.1
0	17.9	191.3	96	94.5
1783	15.6	190.4	97	99.3
0	16.4	189.3	98	103.5
1784	20.3	188.3	99	108.0
0	22.4	187.2	100	113.4
1785	21.7	186.0	101	119.5
0	17.5	184.7	103	125.1
1786	14.1	183.4	104	129.9
0	13.3	182.1	105	133.3
1787	15.7	180.8	107	136.8
0	18.6	179.4	108	141.0
1788	20.6	177.9	110	146.1
0	18.6	176.4	111	151.2
1789	14.8	174.9	113	156.0
0	11.9	173.3	114	159.4
1790	11.5	171.7	116	162.1
0	14.1	170.0	117	165.0
1791	17.9	168.3	119	168.5
0	18.8	166.6	121	173.0
1792	16.3	164.9	123	177.5
0	13.4	163.1	124	178.9
1793	12.6	161.3	126	179.1
0	14.8	159.5	128	179.1
1794	17.6	157.7	130	179.7
0	19.1	155.9	132	179.7
1795	19.1	154.1	133	179.7
0	17.8	152.3	135	179.7
1796	16.4	150.5	137	179.4
0	15.2	148.7	139	179.7
1797	14.9	146.9	141	179.7
0	15.2	145.1	142	179.4
1798	15.9	143.3	144	179.4
0	16.7	141.5	146	179.4
1799	16.8	139.7	148	179.7
0	16.0	137.9	150	179.7
1800	15.7	136.1	151	179.7
0	16.5	134.3	153	179.7
1801	17.9	132.5	155	179.7
0	18.8	130.7	157	179.7
1802	19.0	128.9	159	179.7
0	17.9	127.1	160	179.7
1803	16.4	125.3	162	179.7
0	15.5	123.5	164	179.7
1804				
0				
1805				
0				
1806				
0				
1807				

1831	15.1	121.8	16	179.4
0	14.8	120.0	6	179.7
1832	15.5	118.2	16	179.7
0	16.3	116.4	7	179.7
1833	16.7	114.6	16	179.7
0	16.0	112.8	9	179.9
1834	15.1	111.0	17	179.7
0	14.4	109.2	1	179.7
1835	13.8	107.4	17	179.7
0	13.8	105.6	3	179.7
1836	13.4	103.8	17	179.7
0	12.2	102.0	5	179.4
1837	11.1	100.2	17	179.4
0	10.7	98.4	6	179.4
1838	11.0	96.6	17	179.1
0	10.6	94.8	8	179.4
1839	10.0	93.0	18	179.7
0	9.5	91.2	0	179.7
1840	8.7	89.4	18	179.4
0	8.4	87.6	2	179.4
1841	8.0	85.8	18	179.4
0	6.6	84.0	4	179.7
1842	5.4	82.2	18	179.4
0	4.2	80.5	5	179.1
1843	3.7	78.7	18	179.1
0	3.1	76.9	7	179.4
1844	2.3	75.1	18	179.4
0	1.9	73.3	9	179.7
1845	1.8	71.5	19	178.9
0	1.8	69.7	1	178.9
1846	1.6	67.9	19	178.3
0	0.5	66.1	3	178.1
1847	-4.3	64.4	19	176.2
0	-7.7	62.6	4	171.9
1848	-3.5	61.1	19	161.8
0	4.1	59.6	6	124.0
1849	26.4	58.7	19	97.7
0	51.8	57.9	8	76.1
1850	51.8	57.2	20	52.1
0	29.0	56.8	0	43.1
1851	6.4	56.4	20	31.1
0	-0.8	56.2	2	24.7
1852	0.8	56.0	20	17.3
0	0.1	55.8	3	14.1
1853	-0.1	55.7	20	10.1
0	-2.2	55.7	5	8.2
1854	-16.5	55.6	20	4.2
0	-31.2	55.6	7	-2.1
1855	-33.1	55.7	20	-7.9
0	-21.6	55.8	9	-17.0
1856	-8.9	56.0	21	-23.4
0	-5.8	56.2	1	-25.8
1857	-14.1	56.5	21	-25.2
0	-26.2	56.8	2	-26.6
1858			21	
0			4	
1859			21	
0			6	
1860			21	
0			8	
1861			22	

1885	-31.2	57.1	23	-40.1
0	-25.8	57.6	0	-49.2
1886	-17.0	58.1	23	-56.9
0	-13.6	58.6	0	-62.0
1887	-17.4	59.2	22	-59.9
0	-23.5	59.8	9	-58.3
1888	-25.6	60.5	22	-64.1
0	-22.4	61.3	9	-70.0
1889	-18.6	62.1	22	-75.0
0	-18.3	63.0	8	-88.3
1890	-21.0	63.9	22	-93.9
0	-23.6	64.9	8	-99.3
1891	-22.8	65.9	22	-105.9
0	-19.0	67.1	7	-112.0
1892	-16.0	68.2	22	-117.1
0	-16.1	69.4	6	-121.3
1893	-19.0	70.7	22	-125.6
0	-21.2	72.0	5	-130.9
1894	-20.3	73.3	22	-136.0
0	-17.1	74.7	4	-141.8
1895	-15.7	76.2	22	-145.8
0	-17.0	77.6	4	-150.1
1896	-20.5	79.2	22	-154.1
0	-22.5	80.8	3	-159.7
1897	-20.5	82.4	22	-165.3
0	-16.8	84.1	2	-170.3
1898	-15.1	85.8	22	-174.1
0	-18.7	87.6	0	-174.3
1899	-25.1	89.3	21	-174.9
0	-28.9	91.1	9	-175.7
1900	-28.1	92.8	21	-175.4
0	-24.4	94.6	8	-175.1
1901	-23.3	96.3	21	-174.9
0	-25.0	98.1	7	-174.9
1902	-27.8	99.8	21	-175.4
0	-29.8	101.6	5	-175.4
1903	-29.6	103.3	21	-175.4
0	-27.9	105.1	4	-175.4
1904	-27.1	106.9	21	-175.4
0	-27.7	108.6	3	-175.1
1905	-28.9	110.4	21	-175.4
0	-30.2	112.1	1	-175.7
1906	-31.3	113.9	21	-175.4
0	-31.2	115.6	0	-175.7
1907	-30.1	117.4	20	-175.7
0	-28.7	119.1	8	-175.7
1908	-27.4	120.9	20	-175.4
0	-27.4	122.7	7	-175.4
1909	-28.2	124.4	20	-175.4
0	-29.6	126.2	5	-175.7
1910	-29.3	127.9	20	-175.9
0	-28.1	129.7	3	-175.4
1911	-27.1	131.4	20	-175.7
0	-27.0	133.2	2	-175.4
1912			20	
0			0	
1913			19	
0			8	
1914			19	
0			6	
1915			19	

1939	-27.7	134.9	153	-175.4
0	-28.2	136.7	151	-175.7
1940	-28.1	138.4	149	-175.7
0	-27.8	140.2	147	-175.4
1941	-27.1	142.0	145	-175.4
0	-26.8	143.7	144	-175.4
1942	-25.6	145.5	142	-175.1
0	-23.9	147.2	140	-175.4
1943	-22.8	149.0	138	-174.9
0	-23.1	150.7	137	-174.9
1944	-24.0	152.5	135	-175.1
0	-24.1	154.2	133	-175.1
1945	-22.9	156.0	131	-174.9
0	-21.0	157.7	130	-174.6
1946	-19.4	159.5	128	-174.6
0	-19.1	161.2	126	-174.6
1947	-19.3	163.0	124	-174.6
0	-18.6	164.7	123	-174.6
1948	-17.8	166.5	121	-174.6
0	-17.1	168.2	119	-174.3
1949	-16.3	169.9	118	-173.8
0	-14.9	171.7	116	-174.1
1950	-13.4	173.4	114	-174.1
0	-11.9	175.2	112	-173.8
1951	-10.7	176.9	111	-173.8
0	-9.6	178.6	109	-174.1
1952	-8.5	180.4	107	-173.5
0	-7.2	182.1	105	-173.5
1953	-5.3	183.8	104	-173.3
0	-3.5	185.6	102	-173.0
1954	-2.4	187.3	100	-173.3
0	-1.6	189.0	98	-173.0
1955	-1.8	190.8	97	-172.7
0	-1.8	192.5	95	-172.5
1956	-2.2	194.0	93	-140.5
0	-9.9	195.3	92	-119.8
1957	-42.0	196.4	91	-101.9
0	-59.4	197.1	90	-72.9
1958	-56.4	197.7	90	-56.1
0	-34.7	198.1	89	-36.7
1959	-7.6	198.5	89	-28.7
0	1.5	198.7	89	-18.1
1960	1.2	198.9	89	-15.4
0	6.8	199.0	88	-10.1
1961	8.3	199.1	88	-7.9
0	3.3	199.1	88	-5.8
1962	1.2	199.2	88	-5.8
0	8.1	199.2	88	-2.9
1963	13.2	199.2	88	0.0
0	14.4	199.2	88	1.0
1964	13.2	199.2	88	5.5
0	11.0	199.1	88	8.7
1965	11.0	199.0	88	12.2
0	13.6	198.9	89	15.7
1966				
0				
1967				
0				
1968				
0				
1969				

1993	17.6	198.7	89	19.7
0	21.2	198.5	89	25.2
1994	21.6	198.2	89	31.4
0	19.4	197.9	90	34.6
1995	15.9	197.5	90	35.6
0	14.1	197.1	90	48.1
1996	15.6	196.6	91	52.4
0	19.4	196.1	91	56.9
1997	21.8	195.5	92	62.8
0	21.8	194.9	93	69.4
1998	19.4	194.2	93	75.8
0	16.8	193.5	94	81.4
1999	16.3	192.7	95	86.2
0	17.5	191.9	96	83.0
2000	19.4	191.0	96	88.1
0	19.9	190.1	97	93.1
2001	19.0	189.2	98	98.5
0	16.4	188.1	99	103.8
2002	15.6	187.1	100	108.0
0	15.3	185.9	102	112.0
2003	16.5	184.8	103	116.0
0	17.8	183.6	104	120.5
2004	17.6	182.4	105	125.3
0	15.1	181.1	106	129.6
2005	11.7	179.7	108	133.6
0	11.1	178.4	109	136.8
2006	12.3	177.0	110	139.5
0	13.8	175.6	112	142.4
2007	14.5	174.1	113	145.8
0	13.2	172.6	115	149.3
2008	10.2	171.1	116	152.2
0	8.8	169.6	118	154.6
2009	9.6	168.0	119	156.2
0	11.1	166.4	121	158.4
2010	12.6	164.8	123	161.0
0	12.6	163.2	124	163.9
2011	10.7	161.6	126	166.9
0	9.5	159.9	128	169.3
2012	9.5	158.2	129	171.1
0	10.4	156.4	131	173.3
2013	12.2	154.7	133	175.7
0	13.4	152.9	135	178.1
2014	14.5	151.1	136	178.9
0	15.2	149.3	138	179.4
2015	15.3	147.5	140	179.4
0	14.9	145.7	142	179.7
2016	14.4	143.9	144	179.4
0	15.3	142.1	145	179.4
2017	16.5	140.3	147	179.4
0	17.4	138.6	149	179.7
2018	17.8	136.8	151	179.7
0	17.8	135.0	152	179.7
2019	17.8	133.2	154	179.9
0	17.2	131.4	156	179.7
2020				
0				
2021				
0				
2022				
0				
2023				

2047	17.2	129.6	15	179.7
0	17.4	127.8	8	179.9
2048	17.1	126.0	16	179.9
0	17.1	124.2	0	179.7
2049	17.5	122.4	16	179.7
0	16.5	120.6	1	179.7
2050	15.6	118.8	16	179.7
0	14.6	117.0	3	179.7
2051	14.4	115.2	16	179.4
0	14.0	113.4	5	179.7
2052	13.3	111.6	16	179.7
0	13.2	109.8	7	179.7
2053	13.2	108.0	16	179.4
0	13.4	106.2	9	179.4
2054	13.4	104.4	17	179.4
0	12.5	102.6	0	179.7
2055	11.8	100.8	17	179.4
0	11.5	99.0	2	179.4
2056	11.7	97.2	17	179.4
0	11.3	95.4	4	179.7
2057	10.6	93.6	17	179.4
0	9.9	91.8	6	179.4
2058	9.2	90.1	17	179.7
0	9.4	88.3	8	179.4
2059	9.2	86.5	17	179.7
0	8.3	84.7	9	179.4
2060	6.8	82.9	18	179.4
0	5.4	81.1	1	179.4
2061	4.7	79.3	18	179.1
0	4.5	77.5	3	179.1
2062	3.9	75.7	18	179.4
0	3.3	73.9	5	179.7
2063	2.6	72.1	18	179.7
0	2.2	70.3	7	179.4
2064	1.9	68.5	18	179.1
0	1.8	66.7	8	178.9
2065	1.8	64.9	19	178.6
0	1.5	63.2	0	178.3
2066	0.1	61.4	19	193.0
0	2.7	60.0	2	140.0
2067	26.4	58.8	19	106.2
0	56.8	58.0	4	73.2
2068	63.3	57.3	19	62.8
0	44.5	56.8	6	46.3
2069	16.5	56.4	19	36.2
0	-0.3	56.2	7	22.8
2070	0.1	56.0	19	17.0
0	0.1	55.8	9	14.1
2071	0.1	55.7	20	9.5
0	-0.8	55.7	1	8.2
2072	-7.2	55.6	20	5.0
0	-24.7	55.6	3	0.5
2073	-33.1	55.6	20	-5.0
0	-26.0	55.7	5	-14.1
2074			20	
0			6	
2075			20	
0			8	
2076			21	
0			0	
2077			21	

2101	-11.9	55.9	23	-21.2
0	-3.3	56.1	2	-24.7
2102	-7.9	56.3	23	-23.4
0	-20.6	56.6	1	-23.4
2103	-30.9	56.9	23	-35.4
0	-29.3	57.3	1	-40.1
2104	-19.8	57.7	23	-47.9
0	-12.5	58.3	1	-47.9
2105	-14.0	58.8	23	-50.8
0	-21.2	59.4	1	-66.5
2106	-25.9	60.1	23	-66.0
0	-23.9	60.8	0	-65.4
2107	-17.9	61.5	23	-71.0
0	-14.2	62.4	0	-81.9
2108	-16.1	63.3	22	-87.3
0	-20.6	64.2	9	-92.1
2109	-23.1	65.1	22	-97.7
0	-21.2	66.2	9	-104.0
2110	-16.7	67.2	22	-109.4
0	-14.5	68.4	8	-113.9
2111	-16.7	69.5	22	-117.9
0	-21.2	70.8	7	-122.4
2112	-23.6	72.0	22	-128.0
0	-22.2	73.3	7	-134.1
2113	-18.0	74.7	22	-140.5
0	-16.3	76.2	6	-144.8
2114	-17.6	77.7	22	-149.0
0	-20.7	79.2	5	-153.3
2115	-22.0	80.8	22	-159.2
0	-19.3	82.4	4	-164.5
2116	-15.3	84.1	22	-169.3
0	-13.7	85.8	3	-173.3
2117	-17.1	87.5	22	-174.3
0	-23.7	89.3	2	-174.6
2118	-28.6	91.0	22	-175.7
0	-28.6	92.8	1	-175.4
2119	-25.9	94.5	22	-175.4
0	-24.4	96.3	0	-175.1
2120	-25.0	98.0	21	-174.9
0	-26.4	99.8	9	-175.1
2121	-27.4	101.5	21	-175.4
0	-26.7	103.3	8	-175.1
2122	-25.6	105.1	21	-175.1
0	-25.4	106.8	7	-175.1
2123	-26.0	108.6	21	-175.1
0	-27.0	110.3	5	-175.4
2124	-28.3	112.1	21	-175.4
0	-29.7	113.8	4	-175.1
2125	-30.8	115.6	21	-175.4
0	-30.6	117.3	3	-175.7
2126	-29.7	119.1	21	-175.4
0	-28.9	120.8	1	-175.7
2127	-29.2	122.6	21	-175.7
0	-30.4	124.4	0	-175.4
2128			20	
0			8	
2129			20	
0			7	
2130			20	
0			5	
2131			20	

2155	-31.9	126.1	161	-175.9
0	-32.1	127.9	160	-175.9
2156	-31.3	129.6	158	-175.7
0	-30.1	131.4	156	-175.7
2157	-29.4	133.1	154	-175.7
0	-29.3	134.9	153	-175.4
2158	-28.6	136.7	151	-175.7
0	-27.8	138.4	149	-175.4
2159	-27.0	140.2	147	-175.1
0	-26.3	141.9	146	-175.4
2160	-26.3	143.7	144	-175.1
0	-25.9	145.4	142	-175.1
2161	-24.7	147.2	140	-175.4
0	-24.1	148.9	139	-175.1
2162	-24.3	150.7	137	-175.1
0	-24.8	152.4	135	-175.1
2163	-24.5	154.2	133	-175.4
0	-23.1	155.9	132	-174.9
2164	-20.9	157.7	130	-174.6
0	-19.1	159.4	128	-174.6
2165	-19.1	161.2	126	-174.6
0	-19.3	162.9	125	-174.9
2166	-19.1	164.7	123	-174.6
0	-18.6	166.4	121	-174.6
2167	-18.3	168.2	119	-174.6
0	-17.8	169.9	118	-174.1
2168	-16.7	171.7	116	-174.3
0	-15.1	173.4	114	-174.3
2169	-13.2	175.1	112	-174.1
0	-11.8	176.9	111	-173.8
2170	-10.6	178.6	109	-173.8
0	-9.5	180.4	107	-173.8
2171	-8.1	182.1	105	-173.5
0	-6.5	183.8	104	-173.3
2172	-5.4	185.6	102	-173.3
0	-4.7	187.3	100	-173.3
2173	-3.5	189.0	98	-173.3
0	-2.2	190.8	97	-172.7
2174	-1.8	192.5	95	-173.0
0	-3.4	194.1	93	-158.6
2175	-26.3	195.4	92	-132.5
0	-53.3	196.4	91	-94.5
2176	-66.0	197.1	90	-73.2
0	-55.6	197.8	90	-60.6
2177	-32.5	198.2	89	-40.1
0	-4.1	198.5	89	-30.8
2178	1.4	198.7	89	-20.2
0	0.1	198.9	89	-13.8
2179	2.7	199.0	88	-12.5
0	2.8	199.1	88	-8.7
2180	-0.1	199.2	88	-7.7
0	-0.5	199.2	88	-5.5
2181	0.0	199.3	88	-3.4
0	3.3	199.3	88	-2.9
2182				
0				
2183				
0				
2184				
0				
2185				

2209	7.6	199.3	88	-0.7
0	12.1	199.3	88	0.5
2210	15.1	199.3	88	3.1
0	14.8	199.2	88	7.1
2211	13.6	199.1	88	10.3
0	12.5	199.0	88	14.3
2212	12.7	198.8	89	15.9
0	14.5	198.6	89	19.1
2213	16.1	198.4	89	22.8
0	16.7	198.1	89	26.6
2214	16.5	197.8	90	30.6
0	16.1	197.4	90	34.8
2215	16.7	197.0	90	38.6
0	18.0	196.5	91	42.8
2216	20.5	196.0	91	47.1
0	22.4	195.4	92	52.1
2217	22.8	194.8	93	57.7
0	22.0	194.1	93	63.3
2218	20.5	193.4	94	68.6
0	19.7	192.6	95	73.2
2219	20.2	191.7	96	87.0
0	20.9	190.8	97	92.3
2220	21.2	189.8	98	97.9
0	21.3	188.8	99	103.5
2221	20.1	187.7	100	109.4
0	19.5	186.6	101	115.0
2222	18.6	185.4	102	120.3
0	18.8	184.1	103	125.1
2223	19.3	182.8	105	130.1
0	19.1	181.5	106	135.2
2224	17.4	180.1	107	140.0
0	16.7	178.7	109	144.8
2225	15.9	177.2	110	148.8
0	15.6	175.7	112	152.8
2226	15.6	174.1	113	156.5
0	15.3	172.5	115	160.2
2227	14.4	170.9	117	164.5
0	13.7	169.2	118	167.9
2228	13.7	167.5	120	170.9
0	13.3	165.8	122	174.1
2229	12.6	164.0	123	177.3
0	12.6	162.2	125	178.9
2230	14.4	160.4	127	179.1
0	16.4	158.6	129	179.4
2231	17.6	156.9	131	179.7
0	18.2	155.1	132	179.7
2232	18.3	153.3	134	179.7
0	18.6	151.5	136	179.7
2233	18.8	149.7	138	179.7
0	18.6	147.9	140	179.9
2234	18.0	146.1	141	179.7
0	17.6	144.3	143	179.7
2235	17.8	142.5	145	179.7
0	18.0	140.7	147	179.7
2236				
0				
2237				
0				
2238				
0				
2239				

2263	18.3	138.9	14	179.7
0	18.7	137.1	9	179.7
2264	19.1	135.3	15	179.7
0	19.1	133.5	0	179.7
2265	18.4	131.7	15	179.7
0	17.4	129.9	2	179.7
2266	16.5	128.1	15	179.7
0	15.3	126.3	4	179.7
2267	14.9	124.5	15	179.4
0	15.1	122.7	6	179.4
2268	15.3	120.9	15	179.7
0	15.7	119.1	8	179.7
2269	16.7	117.3	15	179.7
0	17.9	115.5	9	179.9
2270	19.0	113.7	16	179.9
0	18.8	111.9	1	179.9
2271	18.0	110.1	16	179.9
0	17.0	108.3	3	179.7
2272	16.3	106.5	16	179.7
0	15.9	104.7	5	179.4
2273	15.2	102.9	16	179.7
0	14.6	101.1	7	179.4
2274	14.1	99.4	16	179.1
0	14.0	97.6	8	179.4
2275	13.6	95.8	17	179.7
0	12.6	94.0	0	179.7
2276	12.1	92.2	17	179.7
0	10.7	90.4	2	179.4
2277	10.2	88.6	17	179.4
0	9.8	86.8	4	179.4
2278	8.9	85.0	17	179.4
0	7.7	83.2	6	179.4
2279	6.4	81.4	17	179.1
0	5.6	79.6	7	179.4
2280	5.4	77.8	17	179.4
0	4.5	76.0	9	179.4
2281	3.8	74.2	18	179.7
0	2.8	72.4	1	179.1
2282	2.0	70.6	18	179.4
0	1.8	68.8	3	179.1
2283	1.8	67.1	18	178.9
0	1.6	65.3	5	178.6
2284	1.4	63.5	18	178.3
0	-0.7	61.8	6	159.7
2285	2.3	60.1	18	161.3
0	19.4	59.0	8	111.5
2286	53.8	58.0	19	93.9
0	61.4	57.4	0	66.5
2287	47.5	56.8	19	49.7
0	19.8	56.4	2	39.1
2288	-0.7	56.2	19	25.0
0	-0.1	56.0	3	18.1
2289	0.9	55.8	19	15.1
0	0.1	55.7	5	10.3
2290			19	
0			7	
2291			19	
0			9	
2292			20	
0			1	
2293			20	

2317	-0.5	55.6	23	8.5
0	-2.2	55.6	2	5.8
2318	-19.3	55.5	23	2.3
0	-33.1	55.5	2	-3.4
2319	-31.3	55.6	23	-11.9
0	-16.5	55.8	2	-20.2
2320	-3.9	56.0	23	-24.7
0	-3.9	56.2	2	-23.1
2321	-15.5	56.5	23	-22.3
0	-27.9	56.8	2	-32.2
2322	-29.2	57.1	23	-39.6
0	-20.7	57.6	2	-48.4
2323	-11.9	58.0	23	-54.5
0	-11.0	58.6	1	-58.3
2324	-17.0	59.1	23	-55.9
0	-23.2	59.7	1	-54.5
2325	-22.9	60.3	23	-60.1
0	-16.8	61.0	1	-65.2
2326	-11.8	61.8	23	-68.9
0	-13.0	62.6	1	-79.6
2327	-18.0	63.4	23	-83.5
0	-21.4	64.3	0	-88.6
2328	-20.3	65.3	23	-94.2
0	-16.1	66.2	0	-100.0
2329	-12.6	67.3	22	-104.0
0	-13.7	68.3	9	-107.2
2330	-17.6	69.4	22	-111.5
0	-20.5	70.6	9	-115.8
2331	-19.8	71.8	22	-121.3
0	-16.3	73.0	8	-126.4
2332	-14.8	74.3	22	-130.7
0	-16.3	75.7	8	-134.4
2333	-19.5	77.0	22	-138.4
0	-22.2	78.5	7	-144.0
2334	-21.7	80.0	22	-149.8
0	-17.6	81.5	6	-154.9
2335	-14.1	83.1	22	-159.4
0	-14.1	84.7	6	-162.9
2336	-16.7	86.4	22	-166.6
0	-19.8	88.0	5	-170.6
2337	-21.4	89.8	22	-174.6
0	-22.4	91.5	4	-175.1
2338	-23.9	93.3	22	-175.1
0	-26.7	95.0	3	-175.1
2339	-30.5	96.8	22	-175.4
0	-32.8	98.5	2	-175.7
2340	-32.5	100.3	22	-176.2
0	-30.0	102.1	1	-175.9
2341	-26.4	103.8	22	-175.4
0	-25.1	105.6	0	-175.1
2342	-26.6	107.3	21	-175.4
0	-29.3	109.1	9	-175.4
2343	-31.3	110.8	21	-175.4
0	-31.7	112.6	8	-175.9
2344			21	
0			7	
2345			21	
0			6	
2346			21	
0			4	
2347			21	

2371	-31.3	114.4	173	-175.7
0	-30.4	116.1	171	-175.4
2372	-29.7	117.9	170	-175.7
0	-29.4	119.6	168	-175.4
2373	-29.3	121.4	166	-175.7
0	-29.8	123.1	164	-175.7
2374	-30.4	124.9	163	-175.7
0	-30.2	126.7	161	-175.7
2375	-29.6	128.4	159	-175.9
0	-28.6	130.2	157	-175.4
2376	-28.6	131.9	156	-175.4
0	-29.7	133.7	154	-175.7
2377	-29.8	135.4	152	-175.7
0	-28.9	137.2	150	-175.7
2378	-27.4	138.9	149	-175.7
0	-26.3	140.7	147	-175.4
2379	-25.6	142.5	145	-175.1
0	-25.8	144.2	143	-175.4
2380	-25.5	146.0	141	-175.1
0	-24.4	147.7	140	-175.1
2381	-23.6	149.5	138	-175.1
0	-23.6	151.2	136	-174.9
2382	-23.7	153.0	134	-175.1
0	-23.6	154.7	133	-175.1
2383	-21.8	156.5	131	-174.9
0	-20.2	158.2	129	-174.9
2384	-19.4	160.0	127	-174.9
0	-19.8	161.7	126	-174.6
2385	-19.5	163.5	124	-174.6
0	-18.6	165.2	122	-174.6
2386	-17.9	167.0	120	-174.3
0	-17.1	168.7	119	-174.6
2387	-17.0	170.4	117	-174.3
0	-16.7	172.2	115	-174.3
2388	-15.7	173.9	114	-174.3
0	-14.6	175.7	112	-174.3
2389	-13.3	177.4	110	-173.8
0	-11.9	179.2	108	-174.1
2390	-10.7	180.9	107	-174.1
0	-9.2	182.6	105	-173.8
2391	-8.0	184.4	103	-173.8
0	-7.2	186.1	101	-173.5
2392	-6.5	187.8	100	-173.3
0	-5.0	189.6	98	-173.5
2393	-3.0	191.3	96	-173.0
0	-2.0	193.0	94	-170.3
2394	-12.3	194.5	93	-145.3
0	-39.7	195.7	92	-99.8
2395	-62.1	196.6	91	-87.3
0	-64.3	197.3	90	-66.8
2396	-47.9	197.9	90	-44.7
0	-20.2	198.3	89	-35.4
2397	1.9	198.5	89	-22.0
0	0.9	198.7	89	-18.3
2398				
0				
2399				
0				
2400				
0				
2401				

2425	2.2	198.9	89	-12.2
0	3.3	199.0	88	-10.1
2426	1.9	199.1	88	-6.9
0	7.6	199.1	88	-6.1
2427	10.0	199.2	88	-2.6
0	11.3	199.2	88	0.5
2428	12.6	199.2	88	0.5
0	12.2	199.1	88	4.2
2429	11.0	199.1	88	6.6
0	11.4	199.0	88	11.7
2430	14.2	198.8	89	15.4
0	18.0	198.7	89	19.4
2431	20.6	198.5	89	25.0
0	20.2	198.2	89	31.1
2432	17.6	197.9	90	33.8
0	15.2	197.5	90	34.6
2433	14.5	197.1	90	39.1
0	15.9	196.6	91	42.0
2434	18.4	196.1	91	45.7
0	20.2	195.6	92	50.3
2435	19.9	195.0	92	55.3
0	17.9	194.3	93	60.1
2436	16.1	193.6	94	64.1
0	16.3	192.9	95	67.8
2437	18.2	192.1	95	80.1
0	20.1	191.2	96	85.1
2438	20.3	190.3	97	90.7
0	18.3	189.4	98	96.3
2439	16.8	188.4	99	101.4
0	16.1	187.3	100	105.6
2440	17.9	186.2	101	110.2
0	19.1	185.1	102	115.0
2441	20.1	183.9	104	120.0
0	19.0	182.7	105	125.3
2442	16.5	181.4	106	130.1
0	14.0	180.0	107	134.7
2443	13.2	178.7	109	138.1
0	14.6	177.3	110	141.6
2444	16.3	175.8	112	145.3
0	15.9	174.3	113	149.3
2445	13.7	172.8	115	153.0
0	10.8	171.3	116	156.0
2446	9.2	169.7	118	158.6
0	10.4	168.1	119	160.5
2447	12.2	166.5	121	163.1
0	13.3	164.8	123	166.1
2448	11.8	163.1	124	169.0
0	8.8	161.4	126	171.7
2449	6.1	159.7	128	173.3
0	5.6	157.9	130	174.1
2450	7.1	156.2	131	175.4
0	9.8	154.4	133	176.7
2451	11.4	152.6	135	178.3
0	11.8	150.8	137	178.9
2452				
0				
2453				
0				
2454				
0				
2455				

2479	11.0	149.1	13	179.4
0	9.8	147.3	8	179.1
2480	9.2	145.5	14	179.4
0	9.6	143.7	0	179.1
2481	11.4	141.9	14	179.7
0	12.7	140.1	2	179.7
2482	12.5	138.3	14	179.7
0	11.4	136.5	4	179.7
2483	10.3	134.7	14	179.7
0	9.6	132.9	6	179.4
2484	9.4	131.1	14	179.7
0	9.9	129.3	7	179.4
2485	10.7	127.5	14	179.7
0	11.3	125.7	9	179.7
2486	11.8	123.9	15	179.9
0	12.1	122.1	1	179.9
2487	11.7	120.3	15	179.7
0	11.8	118.5	3	179.9
2488	12.6	116.7	15	179.9
0	13.7	114.9	5	179.9
2489	14.6	113.1	15	179.9
0	14.4	111.3	6	179.9
2490	14.0	109.5	15	179.9
0	13.6	107.7	8	179.9
2491	14.5	105.9	16	179.9
0	15.3	104.1	0	179.9
2492	15.9	102.3	16	179.9
0	16.4	100.5	2	179.7
2493	16.4	98.7	16	179.7
0	16.0	96.9	4	179.7
2494	15.1	95.1	16	179.9
0	13.2	93.3	5	179.9
2495	11.9	91.5	16	179.7
0	10.8	89.7	7	179.7
2496	10.7	88.0	16	179.1
0	10.7	86.2	9	179.7
2497	9.9	84.4	17	179.4
0	8.5	82.6	1	179.4
2498	7.3	80.8	17	179.7
0	6.8	79.0	3	179.4
2499	6.2	77.2	17	179.4
0	5.2	75.4	4	179.4
2500	4.1	73.6	17	179.4
0	3.3	71.8	6	179.4
2501	3.0	70.0	17	179.4
0	2.7	68.2	8	179.4
2502	2.0	66.4	18	179.4
0	1.9	64.6	0	179.4
2503	1.8	62.8	18	178.9
0	1.8	61.2	2	155.2
2504	17.6	59.7	18	146.6
0	45.3	58.6	3	102.7
2505	63.3	57.7	18	85.9
0	55.3	57.1	5	59.6
2506			18	
0			7	
2507			18	
0			9	
2508			19	
0			1	
2509			19	

2533	31.9	56.7	23	43.1
0	9.2	56.3	1	30.6
2534	-0.5	56.1	23	21.8
0	0.5	55.9	1	14.3
2535	1.9	55.8	23	12.2
0	-1.1	55.7	1	8.5
2536	-1.1	55.6	23	6.6
0	-13.4	55.6	2	3.9
2537	-32.0	55.6	23	-1.3
0	-35.3	55.6	2	-8.2
2538	-21.8	55.8	23	-17.0
0	-6.8	56.0	2	-23.1
2539	-2.0	56.2	23	-25.0
0	-11.4	56.4	2	-23.6
2540	-25.4	56.7	23	-24.4
0	-32.3	57.0	2	-37.8
2541	-26.7	57.4	23	-47.1
0	-17.6	57.9	2	-54.8
2542	-14.2	58.4	23	-60.4
0	-18.0	59.0	2	-58.8
2543	-24.8	59.6	23	-57.5
0	-27.1	60.3	2	-63.6
2544	-23.6	61.1	23	-70.2
0	-18.7	61.9	1	-75.6
2545	-17.1	62.8	23	-88.9
0	-19.3	63.7	1	-93.7
2546	-22.0	64.7	23	-99.0
0	-22.1	65.7	1	-105.1
2547	-19.3	66.8	23	-111.2
0	-16.3	68.0	1	-116.0
2548	-15.9	69.2	23	-120.5
0	-18.2	70.4	0	-124.5
2549	-20.5	71.7	23	-129.3
0	-20.1	73.0	0	-134.7
2550	-17.8	74.4	23	-140.2
0	-15.5	75.9	0	-144.5
2551	-15.7	77.3	22	-148.5
0	-17.6	78.8	9	-152.0
2552	-19.3	80.4	22	-157.0
0	-18.3	82.0	8	-161.8
2553	-15.1	83.7	22	-166.1
0	-13.0	85.4	8	-169.8
2554	-14.4	87.1	22	-172.7
0	-18.7	88.8	7	-174.6
2555	-24.0	90.6	22	-175.1
0	-27.1	92.3	6	-175.1
2556	-27.1	94.1	22	-175.4
0	-26.8	95.8	6	-175.4
2557	-27.8	97.6	22	-175.1
0	-29.2	99.3	5	-175.7
2558	-30.0	101.1	22	-175.7
0	-30.1	102.8	4	-175.4
2559	-29.2	104.6	22	-175.4
0	-28.3	106.4	3	-175.7
2560			22	
0			2	
2561			22	
0			1	
2562			21	
0			9	
2563			21	

2587	-28.5	108.1	179	-175.7
0	-28.6	109.9	178	-175.7
2588	-29.6	111.6	176	-175.7
0	-30.9	113.4	174	-175.7
2589	-32.1	115.1	172	-175.9
0	-32.3	116.9	171	-175.9
2590	-31.2	118.7	169	-175.9
0	-29.3	120.4	167	-175.7
2591	-27.7	122.2	165	-175.4
0	-27.7	123.9	164	-175.1
2592	-28.5	125.7	162	-175.9
0	-28.9	127.4	160	-175.7
2593	-28.1	129.2	158	-175.7
0	-26.8	130.9	157	-175.4
2594	-26.3	132.7	155	-175.1
0	-26.0	134.5	153	-175.4
2595	-25.5	136.2	151	-175.4
0	-24.8	138.0	149	-175.1
2596	-23.9	139.7	148	-175.1
0	-23.5	141.5	146	-175.1
2597	-23.3	143.2	144	-175.1
0	-23.1	145.0	142	-175.1
2598	-21.6	146.7	141	-174.9
0	-20.2	148.5	139	-174.6
2599	-19.5	150.2	137	-174.6
0	-20.2	152.0	135	-174.6
2600	-20.5	153.7	134	-174.3
0	-19.9	155.5	132	-174.9
2601	-18.2	157.2	130	-174.6
0	-17.2	158.9	129	-174.6
2602	-17.5	160.7	127	-174.6
0	-18.0	162.4	125	-174.3
2603	-17.8	164.2	123	-174.3
0	-17.1	165.9	122	-174.3
2604	-15.9	167.7	120	-174.1
0	-15.5	169.4	118	-173.8
2605	-14.8	171.1	116	-174.3
0	-14.1	172.9	115	-174.1
2606	-13.4	174.6	113	-174.1
0	-12.7	176.4	111	-174.1
2607	-11.7	178.1	109	-173.8
0	-10.7	179.9	108	-173.8
2608	-9.5	181.6	106	-174.1
0	-8.4	183.3	104	-173.8
2609	-7.5	185.1	102	-173.5
0	-6.6	186.8	101	-173.8
2610	-5.2	188.5	99	-173.3
0	-3.1	190.3	97	-173.3
2611	-2.0	192.0	95	-173.3
0	-2.4	193.7	94	-183.6
2612	-20.6	195.0	92	-130.4
0	-51.8	196.1	91	-101.1
2613	-68.6	197.0	90	-85.9
0	-62.0	197.6	90	-59.9
2614				
0				
2615				
0				
2616				
0				
2617				

2641	-36.9	198.1	89	-46.8
0	-10.0	198.4	89	-30.6
2642	0.5	198.6	89	-19.1
0	-0.4	198.8	89	-17.8
2643	-0.1	198.9	89	-12.5
0	-0.5	199.0	88	-8.7
2644	-0.9	199.1	88	-7.9
0	-0.8	199.2	88	-5.8
2645	-3.5	199.2	88	-3.7
0	-4.2	199.3	88	-3.9
2646	-0.7	199.3	88	-2.1
0	0.8	199.3	88	-1.3
2647	0.5	199.3	88	-1.0
0	1.9	199.3	88	-0.7
2648	12.7	199.3	88	1.0
0	23.5	199.3	88	3.7
2649	24.0	199.2	88	9.0
0	14.9	199.1	88	14.1
2650	4.1	198.9	89	21.5
0	1.9	198.7	89	22.3
2651	8.3	198.5	89	23.4
0	18.2	198.2	89	26.0
2652	24.5	198.0	89	31.4
0	23.6	197.6	90	38.3
2653	17.1	197.2	90	45.5
0	10.8	196.8	91	46.0
2654	9.4	196.3	91	43.9
0	14.5	195.8	92	46.3
2655	21.4	195.3	92	50.3
0	24.5	194.7	93	55.6
2656	21.8	194.0	93	61.2
0	15.7	193.3	94	66.5
2657	10.6	192.5	95	77.7
0	11.0	191.7	96	80.6
2658	15.7	190.8	97	83.5
0	21.4	190.0	97	87.8
2659	23.6	189.1	98	93.7
0	21.0	188.1	99	100.3
2660	16.4	187.0	100	105.9
0	11.5	185.9	102	110.2
2661	11.0	184.8	103	113.1
0	14.6	183.6	104	116.0
2662	19.1	182.5	105	120.0
0	19.9	181.2	106	124.8
2663	17.0	179.9	108	130.1
0	12.3	178.6	109	134.7
2664	10.6	177.2	110	137.6
0	11.8	175.8	112	140.0
2665	14.2	174.4	113	142.9
0	16.3	173.0	114	146.4
2666	14.9	171.5	116	150.4
0	10.8	169.9	118	154.1
2667	8.4	168.4	119	156.5
0	7.9	166.8	121	158.4
2668				
0				
2669				
0				
2670				
0				
2671				

2695	10.2	165.2	12	160.0
0	13.3	163.6	2	162.3
2696	15.1	161.9	12	165.8
0	14.4	160.2	4	169.3
2697	11.9	158.5	12	172.5
0	9.2	156.8	6	175.1
2698	8.7	155.0	12	177.0
0	11.0	153.2	7	178.6
2699	15.2	151.4	12	179.1
0	18.8	149.6	9	179.7
2700	20.3	147.8	13	179.9
0	19.1	146.0	1	179.9
2701	17.1	144.2	13	179.7
0	16.1	142.4	2	179.7
2702	16.1	140.7	13	179.4
0	17.2	138.9	4	179.7
2703	17.8	137.1	13	179.7
0	17.5	135.3	6	179.7
2704	16.7	133.5	13	179.4
0	15.6	131.7	8	179.4
2705	15.3	129.9	14	179.4
0	16.4	128.1	0	179.7
2706	17.9	126.3	14	179.7
0	19.9	124.5	1	179.7
2707	20.7	122.7	14	179.9
0	20.2	120.9	3	179.9
2708	18.6	119.1	14	179.9
0	17.2	117.3	5	179.7
2709	16.4	115.5	14	179.7
0	16.3	113.7	7	179.7
2710	16.1	111.9	14	179.7
0	16.0	110.1	9	179.4
2711	15.6	108.3	15	179.4
0	15.9	106.5	0	179.7
2712	16.7	104.7	15	179.4
0	17.2	102.9	2	179.7
2713	17.6	101.1	15	179.7
0	17.6	99.3	4	179.7
2714	18.0	97.5	15	179.7
0	17.5	95.7	6	179.9
2715	16.4	93.9	15	179.7
0	15.5	92.1	8	179.7
2716	14.4	90.3	15	179.4
0	14.1	88.5	9	179.4
2717	14.4	86.7	16	179.4
0	13.8	84.9	1	179.4
2718	12.6	83.2	16	179.4
0	11.1	81.4	3	179.4
2719	9.9	79.6	16	179.4
0	9.5	77.8	5	179.4
2720	8.5	76.0	16	179.1
0	7.6	74.2	7	179.4
2721	6.2	72.4	16	179.1
0	4.6	70.6	8	179.4
2722			17	
0			0	
2723			17	
0			2	
2724			17	
0			4	
2725			17	

2749	3.8	68.8	21	179.4
0	2.7	67.0	9	179.1
2750	1.9	65.2	22	179.4
0	1.8	63.4	0	179.1
2751	1.6	61.7	22	160.7
0	4.5	60.1	2	160.2
2752	28.7	59.0	22	111.2
0	56.1	58.0	4	93.7
2753	59.7	57.3	22	65.2
0	41.6	56.8	6	47.9
2754	18.2	56.5	22	34.0
0	3.0	56.2	7	21.5
2755	0.3	56.0	22	17.5
0	3.1	55.9	8	13.3
2756	1.2	55.7	22	9.0
0	-1.1	55.7	9	7.4
2757	-8.7	55.6	23	5.3
0	-28.3	55.6	0	0.2
2758	-37.3	55.6	23	-6.3
0	-27.1	55.8	1	-15.7
2759	-10.7	56.0	23	-21.5
0	0.4	56.2	1	-23.9
2760	-5.4	56.4	23	-26.6
0	-19.4	56.7	1	-25.8
2761	-31.3	57.0	23	-28.7
0	-29.6	57.4	1	-44.4
2762	-18.7	57.9	23	-52.9
0	-10.0	58.4	2	-58.5
2763	-11.8	58.9	23	-61.7
0	-20.7	59.5	2	-59.3
2764	-28.6	60.1	23	-58.8
0	-26.6	60.8	2	-65.7
2765	-17.6	61.6	23	-71.8
0	-10.4	62.5	2	-83.8
2766	-11.9	63.3	23	-86.7
0	-19.9	64.2	2	-90.5
2767	-26.4	65.2	23	-95.8
0	-25.8	66.2	2	-103.2
2768	-18.0	67.3	23	-109.9
0	-11.8	68.4	2	-114.2
2769	-12.3	69.6	23	-117.6
0	-18.8	70.8	1	-120.8
2770	-25.0	72.0	23	-126.4
0	-25.0	73.3	1	-132.8
2771	-18.7	74.7	23	-139.5
0	-14.2	76.2	1	-144.0
2772	-14.8	77.6	23	-148.0
0	-20.9	79.1	1	-151.4
2773	-25.8	80.7	23	-157.3
0	-24.3	82.3	0	-163.7
2774	-17.5	84.0	23	-169.8
0	-12.2	85.7	0	-173.8
2775	-14.1	87.5	23	-174.1
0	-22.1	89.2	0	-174.6
2776			22	
0			9	
2777			22	
0			9	
2778			22	
0			8	
2779			22	

2803	-30.2	91.0	19	-175.4
0	-32.7	92.7	6	-175.9
2804	-30.2	94.5	19	-175.7
0	-27.4	96.2	5	-175.4
2805	-26.8	98.0	19	-175.1
0	-28.3	99.7	3	-175.1
2806	-30.4	101.5	19	-175.9
0	-30.8	103.2	1	-175.7
2807	-30.1	105.0	18	-175.7
0	-29.0	106.8	9	-175.7
2808	-28.5	108.5	18	-175.4
0	-28.6	110.3	8	-175.4
2809	-30.1	112.0	18	-175.7
0	-32.0	113.8	6	-175.4
2810	-33.6	115.5	18	-175.7
0	-33.5	117.3	4	-176.2
2811	-32.1	119.1	18	-175.7
0	-30.4	120.8	2	-175.7
2812	-29.7	122.6	18	-175.7
0	-30.1	124.3	1	-175.4
2813	-31.2	126.1	17	-175.7
0	-31.5	127.9	9	-175.7
2814	-30.9	129.6	17	-175.7
0	-29.7	131.4	7	-175.7
2815	-29.2	133.1	17	-175.7
0	-29.2	134.9	5	-175.7
2816	-29.0	136.6	17	-175.7
0	-28.9	138.4	4	-175.4
2817	-28.5	140.1	17	-175.4
0	-27.7	141.9	2	-175.4
2818	-27.3	143.7	17	-175.7
0	-26.0	145.4	0	-175.1
2819	-24.0	147.2	16	-175.4
0	-22.8	148.9	8	-175.1
2820	-22.8	150.7	16	-174.9
0	-23.6	152.4	7	-175.1
2821	-23.9	154.2	16	-174.9
0	-22.8	155.9	5	-174.9
2822	-20.5	157.7	16	-175.1
0	-18.4	159.4	3	-174.6
2823	-17.8	161.2	16	-174.3
0	-17.2	162.9	1	-174.6
2824	-16.4	164.7	16	-174.6
0	-15.7	166.4	0	-174.3
2825	-15.1	168.1	15	-174.3
0	-14.2	169.9	8	-174.1
2826	-13.2	171.6	15	-173.8
0	-11.8	173.4	6	-174.1
2827	-10.3	175.1	15	-173.8
0	-9.2	176.8	4	-173.8
2828	-7.9	178.6	15	-173.8
0	-6.6	180.3	3	-173.3
2829	-4.6	182.0	15	-173.3
0	-2.4	183.8	1	-173.0
2830			14	
0			9	
2831			14	
0			7	
2832			14	
0			6	
2833			14	

2857	-1.6	185.5	102	-172.7
0	-1.6	187.2	100	-172.7
2858	-1.6	189.0	98	-172.5
0	-1.4	190.7	97	-171.9
2859	2.6	192.4	95	-171.1
0	5.8	194.0	93	-171.7
2860	-3.3	195.2	92	-120.5
0	-27.0	196.2	91	-93.1
2861	-56.7	197.0	90	-65.4
0	-62.4	197.6	90	-57.2
2862	-42.4	198.1	89	-47.1
0	-14.1	198.4	89	-30.6
2863	1.4	198.7	89	-19.1
0	9.4	198.8	89	-15.7
2864	19.0	198.9	89	-9.3
0	16.5	199.0	88	-6.3
2865	4.5	199.0	88	-2.6
0	-0.5	199.1	88	-2.3
2866	-0.3	199.1	88	-3.1
0	1.9	199.1	88	-3.1
2867	10.2	199.2	88	-1.5
0	19.1	199.1	88	0.7
2868	22.6	199.1	88	6.1
0	18.7	199.0	88	10.9
2869	11.5	198.9	89	14.6
0	7.9	198.7	89	17.3
2870	10.8	198.5	89	19.4
0	18.2	198.2	89	22.0
2871	24.1	197.9	90	27.1
0	23.9	197.6	90	32.7
2872	18.0	197.2	90	38.6
0	11.1	196.7	91	52.1
2873	8.8	196.2	91	50.0
0	12.5	195.7	92	47.3
2874	19.5	195.2	92	50.8
0	24.1	194.6	93	55.6
2875	23.1	193.9	94	61.7
0	17.9	193.2	94	66.8
2876	12.1	192.3	95	79.0
0	11.0	191.5	96	82.2
2877	14.2	190.7	97	85.1
0	19.3	189.8	98	89.1
2878	22.1	188.9	99	94.5
0	20.7	187.9	100	100.3
2879	16.0	186.8	101	105.9
0	12.3	185.7	102	109.9
2880	11.8	184.6	103	112.8
0	15.1	183.5	104	116.3
2881	18.7	182.3	105	120.3
0	19.5	181.0	106	125.3
2882	15.9	179.7	108	130.4
0	11.7	178.4	109	134.4
2883	9.5	177.0	110	137.3
0	10.6	175.6	112	139.5
2884				
0				
2885				
0				
2886				
0				
2887				

2911	14.5	174.2	11	142.1
0	17.0	172.8	3	145.6
2912	16.5	171.3	11	149.8
0	13.2	169.8	5	153.8
2913	10.3	168.2	11	156.8
0	9.2	166.6	6	159.2
2914	10.7	165.0	11	161.3
0	13.0	163.4	8	163.7
2915	14.2	161.7	11	166.9
0	13.4	160.0	9	170.1
2916	10.7	158.3	12	173.3
0	8.5	156.6	1	175.7
2917	8.5	154.8	12	177.3
0	10.8	153.0	2	178.3
2918	14.8	151.2	12	179.4
0	17.5	149.4	4	179.4
2919	17.9	147.6	12	179.7
0	16.3	145.8	6	179.4
2920	13.6	144.0	12	179.4
0	11.7	142.2	7	179.4
2921	11.9	140.4	12	179.1
0	13.3	138.6	9	179.4
2922	14.9	136.9	13	179.7
0	15.5	135.1	1	179.7
2923	14.8	133.3	13	179.4
0	13.3	131.5	3	179.7
2924	12.2	129.7	13	179.4
0	12.5	127.9	4	179.7
2925	13.8	126.1	13	179.9
0	15.9	124.3	6	179.9
2926	17.6	122.5	13	179.9
0	17.5	120.7	8	179.9
2927	16.7	118.9	14	179.9
0	15.9	117.1	0	179.9
2928	16.3	115.3	14	179.7
0	17.0	113.5	2	179.7
2929	17.6	111.7	14	179.9
0	18.2	109.9	3	179.9
2930	18.2	108.1	14	179.9
0	18.3	106.3	5	179.9
2931	18.8	104.5	14	179.9
0	18.7	102.7	7	179.9
2932	19.0	100.9	14	179.7
0	19.4	99.1	9	179.9
2933	19.5	97.3	15	180.2
0	19.3	95.5	1	179.9
2934	18.0	93.7	15	179.9
0	17.0	91.9	2	179.9
2935	16.1	90.1	15	179.7
0	16.4	88.3	4	179.4
2936	17.0	86.5	15	179.7
0	17.0	84.7	6	179.9
2937	15.9	82.9	15	179.7
0	14.4	81.1	8	179.4
2938			16	
0			0	
2939			16	
0			1	
2940			16	
0			3	
2941			16	

2965	13.4	79.3	20	179.4
0	12.5	77.5	8	179.4
2966	11.1	75.7	21	179.4
0	9.9	73.9	0	179.1
2967	8.5	72.1	21	179.1
0	7.5	70.3	2	179.1
2968	6.2	68.6	21	179.1
0	4.5	66.8	4	179.4
2969	2.7	65.0	21	179.1
0	2.0	63.2	5	179.4
2970	2.0	61.4	21	194.3
0	17.0	60.0	7	141.6
2971	47.1	58.8	21	96.9
0	65.6	57.9	9	83.0
2972	61.8	57.2	22	62.5
0	40.7	56.7	1	40.9
2973	19.9	56.4	22	32.4
0	10.3	56.1	2	23.4
2974	11.9	55.9	22	18.9
0	13.3	55.8	4	13.0
2975	7.1	55.7	22	9.8
0	-1.2	55.6	6	7.1
2976	-2.7	55.6	22	4.7
0	-15.7	55.5	7	1.8
2977	-26.2	55.6	22	-1.8
0	-24.3	55.6	9	-7.7
2978	-12.1	55.8	23	-16.2
0	-4.2	55.9	0	-19.9
2979	-7.6	56.1	23	-19.4
0	-18.6	56.3	0	-19.7
2980	-27.8	56.6	23	-29.8
0	-26.2	56.9	1	-38.0
2981	-18.0	57.3	23	-45.5
0	-11.3	57.8	1	-50.8
2982	-12.2	58.3	23	-54.5
0	-18.3	58.8	1	-52.7
2983	-24.4	59.3	23	-52.1
0	-24.4	60.0	2	-70.5
2984	-19.4	60.7	23	-77.4
0	-15.1	61.4	2	-83.3
2985	-15.2	62.2	23	-87.3
0	-18.7	63.0	2	-83.5
2986	-20.9	63.9	23	-89.1
0	-20.1	64.8	2	-94.5
2987	-17.1	65.8	23	-100.0
0	-14.5	66.9	2	-104.6
2988	-15.3	67.9	23	-108.0
0	-18.7	69.1	2	-112.8
2989	-21.3	70.2	23	-117.6
0	-21.6	71.4	2	-123.5
2990	-19.5	72.7	23	-129.3
0	-17.9	74.1	2	-134.1
2991	-18.2	75.4	23	-138.9
0	-19.9	76.9	2	-143.7
2992			23	
0			2	
2993			23	
0			1	
2994			23	
0			1	
2995			23	

3019	-21.6	78.3	20	-149.0
0	-21.3	79.9	9	-154.6
3020	-19.1	81.5	20	-160.0
0	-16.3	83.1	8	-165.3
3021	-15.9	84.8	20	-168.7
0	-18.4	86.5	6	-173.0
3022	-23.9	88.2	20	-174.9
0	-29.3	90.0	4	-175.4
3023	-32.7	91.7	20	-175.7
0	-32.8	93.5	3	-176.2
3024	-32.0	95.3	20	-175.7
0	-32.0	97.0	1	-175.7
3025	-32.4	98.8	19	-175.9
0	-32.5	100.5	9	-175.7
3026	-32.1	102.3	19	-175.9
0	-31.6	104.1	7	-175.7
3027	-31.5	105.8	19	-175.7
0	-32.3	107.6	6	-175.9
3028	-33.4	109.3	19	-176.2
0	-34.4	111.1	4	-175.9
3029	-35.5	112.9	19	-176.2
0	-36.1	114.6	2	-176.2
3030	-35.7	116.4	19	-176.2
0	-34.4	118.1	0	-176.2
3031	-32.4	119.9	18	-175.9
0	-31.1	121.7	9	-175.7
3032	-30.4	123.4	18	-175.9
0	-31.1	125.2	7	-175.9
3033	-31.7	126.9	18	-175.7
0	-31.7	128.7	5	-175.9
3034	-30.9	130.5	18	-175.9
0	-30.4	132.2	3	-175.4
3035	-30.4	134.0	18	-175.4
0	-29.7	135.7	2	-175.7
3036	-28.7	137.5	18	-175.7
0	-27.9	139.2	0	-175.7
3037	-27.5	141.0	17	-175.4
0	-27.9	142.7	8	-175.1
3038	-28.2	144.5	17	-175.9
0	-27.3	146.3	6	-175.7
3039	-25.5	148.0	17	-175.1
0	-24.5	149.8	5	-175.1
3040	-24.3	151.5	17	-174.9
0	-24.0	153.3	3	-175.1
3041	-22.8	155.0	17	-175.4
0	-20.9	156.8	1	-174.9
3042	-19.1	158.5	16	-174.9
0	-19.1	160.3	9	-174.9
3043	-19.7	162.0	16	-174.6
0	-19.3	163.8	8	-174.6
3044	-18.3	165.5	16	-174.9
0	-17.0	167.3	6	-174.3
3045	-15.9	169.0	16	-174.3
0	-15.2	170.7	4	-174.3
3046			16	
0			2	
3047			16	
0			1	
3048			15	
0			9	
3049			15	

3073	-14.6	172.5	115	-174.1
0	-13.8	174.2	113	-174.1
3074	-12.7	176.0	111	-174.1
0	-11.5	177.7	110	-173.8
3075	-10.3	179.4	108	-173.8
0	-9.1	181.2	106	-173.8
3076	-7.9	182.9	105	-173.8
0	-6.8	184.7	103	-173.5
3077	-5.8	186.4	101	-173.5
0	-4.3	188.1	99	-173.3
3078	-2.4	189.9	98	-173.3
0	-1.9	191.6	96	-173.0
3079	-1.9	193.2	94	-154.4
0	-8.3	194.7	93	-138.4
3080	-35.4	195.9	92	-95.5
0	-57.6	196.8	91	-83.8
3081	-58.4	197.5	90	-70.2
0	-41.0	198.0	89	-47.9
3082	-11.9	198.4	89	-37.2
0	0.8	198.6	89	-23.9
3083	2.2	198.8	89	-19.9
0	8.7	198.9	89	-13.0
3084	10.4	199.0	88	-8.5
0	4.3	199.1	88	-7.7
3085	1.2	199.2	88	-6.6
0	6.8	199.2	88	-4.2
3086	11.8	199.3	88	-1.3
0	14.0	199.2	88	0.2
3087	14.5	199.2	88	3.4
0	13.3	199.2	88	6.1
3088	12.7	199.1	88	11.7
0	14.5	198.9	89	14.1
3089	18.2	198.8	89	16.5
0	22.0	198.5	89	21.0
3090	23.9	198.3	89	26.3
0	22.9	197.9	90	32.4
3091	20.3	197.5	90	46.3
0	18.4	197.1	90	47.6
3092	18.2	196.5	91	47.1
0	19.7	196.0	91	51.3
3093	21.8	195.4	92	56.7
0	22.8	194.7	93	61.7
3094	22.2	194.0	93	67.3
0	20.9	193.2	94	72.6
3095	19.7	192.3	95	86.5
0	19.8	191.4	96	92.1
3096	20.9	190.4	97	97.4
0	21.3	189.4	98	103.0
3097	20.9	188.3	99	108.8
0	19.4	187.2	100	114.4
3098	17.8	186.0	101	119.5
0	16.5	184.8	103	124.3
3099	16.8	183.5	104	128.8
0	17.6	182.2	105	133.3
3100				
0				
3101				
0				
3102				
0				
3103				

3127	18.2	180.8	10	137.6
0	16.8	179.4	7	142.4
3128	15.9	177.9	10	146.9
0	15.1	176.4	8	150.6
3129	14.4	174.9	11	154.6
0	14.6	173.3	0	158.1
3130	14.2	171.7	11	161.8
0	14.2	170.1	1	165.3
3131	15.1	168.4	11	168.7
0	15.2	166.7	3	172.5
3132	14.6	164.9	11	175.9
0	14.0	163.1	4	178.6
3133	14.5	161.4	11	179.1
0	16.3	159.6	6	179.4
3134	17.6	157.8	11	179.4
0	17.8	156.0	7	179.7
3135	17.4	154.2	11	179.4
0	16.8	152.4	9	179.7
3136	16.7	150.6	12	179.7
0	16.7	148.8	1	179.7
3137	17.6	147.0	12	179.7
0	18.0	145.2	3	179.7
3138	17.9	143.4	12	179.7
0	17.9	141.6	4	179.4
3139	17.2	139.8	12	179.7
0	16.3	138.0	6	179.7
3140	16.0	136.2	12	179.4
0	16.3	134.4	8	179.7
3141	17.5	132.6	13	179.4
0	18.0	130.8	0	179.9
3142	17.8	129.0	13	179.7
0	17.1	127.2	1	179.7
3143	16.1	125.4	13	179.4
0	15.7	123.6	3	179.7
3144	15.5	121.8	13	179.7
0	14.9	120.0	5	179.7
3145	15.2	118.2	13	179.4
0	15.6	116.5	7	179.7
3146	15.5	114.7	13	179.7
0	14.9	112.9	9	179.7
3147	14.4	111.1	14	179.4
0	14.1	109.3	0	179.4
3148	14.4	107.5	14	179.4
0	15.6	105.7	2	179.7
3149	16.1	103.9	14	179.7
0	15.9	102.1	4	179.9
3150	15.5	100.3	14	179.7
0	14.9	98.5	6	179.7
3151	14.6	96.7	14	179.7
0	14.1	94.9	8	179.7
3152	13.6	93.1	14	179.4
0	13.3	91.3	9	179.7
3153	12.7	89.5	15	179.7
0	13.2	87.7	1	179.4
3154			15	
0			3	
3155			15	
0			5	
3156			15	
0			7	
3157			15	

3181	13.2	85.9	20	179.7
0	12.3	84.1	2	179.9
3182	11.5	82.3	20	179.7
0	11.1	80.5	3	179.7
3183	11.0	78.7	20	179.4
0	10.6	76.9	5	179.4
3184	9.6	75.1	20	179.4
0	8.4	73.3	7	179.7
3185	6.9	71.6	20	179.1
0	6.2	69.8	9	179.1
3186	5.7	68.0	21	179.4
0	4.2	66.2	1	179.1
3187	3.0	64.4	21	179.4
0	2.0	62.6	2	179.4
3188	3.4	60.9	21	169.3
0	24.8	59.5	4	116.0
3189	53.2	58.5	21	99.8
0	64.8	57.7	6	69.2
3190	53.6	57.0	21	56.9
0	30.5	56.6	8	41.2
3191	11.4	56.3	21	29.0
0	5.3	56.0	9	21.2
3192	8.3	55.9	22	15.7
0	9.5	55.7	1	10.9
3193	3.4	55.6	22	8.7
0	-1.4	55.6	3	6.6
3194	-6.1	55.5	22	4.5
0	-21.4	55.5	5	0.7
3195	-29.4	55.5	22	-3.7
0	-23.6	55.6	7	-9.8
3196	-12.1	55.8	22	-17.0
0	-4.6	56.0	8	-21.8
3197	-10.4	56.2	22	-23.9
0	-21.3	56.4	9	-24.7
3198	-28.7	56.7	23	-27.9
0	-24.7	57.1	0	-34.6
3199	-14.4	57.5	23	-40.4
0	-6.8	58.0	0	-43.6
3200	-8.9	58.5	23	-45.2
0	-19.1	59.1	1	-58.5
3201	-27.1	59.6	23	-58.0
0	-27.3	60.2	1	-58.8
3202	-20.9	60.9	23	-65.2
0	-15.2	61.7	1	-69.7
3203	-15.9	62.5	23	-81.4
0	-20.6	63.4	2	-86.2
3204	-23.7	64.3	23	-92.1
0	-22.2	65.3	2	-98.5
3205	-17.2	66.3	23	-104.6
0	-13.6	67.4	2	-108.8
3206	-14.9	68.5	23	-112.3
0	-20.2	69.6	2	-116.8
3207	-24.5	70.9	23	-122.1
0	-24.7	72.1	2	-129.1
3208			23	
0			2	
3209			23	
0			2	
3210			23	
0			2	
3211			23	

3235	-20.6	73.5	21	-134.9
0	-17.2	74.9	4	-141.0
3236	-17.6	76.3	21	-145.0
0	-23.1	77.8	3	-150.1
3237	-27.8	79.3	21	-156.2
0	-27.9	80.9	1	-163.4
3238	-22.9	82.6	21	-170.9
0	-17.8	84.4	0	-174.3
3239	-19.9	86.1	20	-174.6
0	-28.1	87.9	8	-174.9
3240	-35.5	89.6	20	-175.7
0	-38.4	91.4	7	-176.5
3241	-36.2	93.2	20	-176.7
0	-33.2	94.9	5	-175.9
3242	-33.0	96.7	20	-175.9
0	-35.4	98.4	3	-175.9
3243	-37.7	100.2	20	-176.5
0	-38.5	102.0	1	-176.5
3244	-37.2	103.7	20	-176.2
0	-36.1	105.5	0	-176.2
3245	-36.3	107.3	19	-176.5
0	-37.6	109.0	8	-176.2
3246	-38.9	110.8	19	-176.5
0	-40.0	112.6	6	-176.5
3247	-40.8	114.3	19	-176.5
0	-40.8	116.1	4	-176.5
3248	-39.9	117.9	19	-176.7
0	-38.5	119.6	3	-176.5
3249	-37.6	121.4	19	-176.5
0	-38.0	123.2	1	-176.5
3250	-39.5	124.9	18	-176.7
0	-40.4	126.7	9	-176.7
3251	-40.1	128.5	18	-176.7
0	-38.4	130.2	7	-176.5
3252	-36.7	132.0	18	-175.9
0	-35.9	133.7	5	-176.2
3253	-34.7	135.5	18	-176.2
0	-33.4	137.3	4	-176.2
3254	-32.0	139.0	18	-175.9
0	-30.5	140.8	2	-175.9
3255	-29.7	142.6	18	-175.7
0	-29.0	144.3	0	-175.7
3256	-27.1	146.1	17	-175.4
0	-25.0	147.8	8	-175.4
3257	-23.5	149.6	17	-175.1
0	-23.5	151.3	7	-174.9
3258	-23.5	153.1	17	-175.1
0	-22.5	154.8	5	-175.1
3259	-20.7	156.6	17	-174.9
0	-18.7	158.3	3	-174.6
3260	-17.8	160.1	17	-174.6
0	-18.0	161.8	1	-174.3
3261	-18.0	163.6	17	-174.6
0	-17.2	165.3	0	-174.9
3262			16	
0			8	
3263			16	
0			6	
3264			16	
0			4	
3265			16	

3289	-16.1	167.1	120	-174.3
0	-15.2	168.8	119	-174.3
3290	-14.8	170.5	117	-174.3
0	-13.7	172.3	115	-174.3
3291	-12.1	174.0	113	-174.3
0	-10.6	175.8	112	-173.8
3292	-8.9	177.5	110	-173.5
0	-7.6	179.2	108	-173.8
3293	-6.2	181.0	106	-173.8
0	-5.0	182.7	105	-173.3
3294	-3.7	184.4	103	-173.3
0	-2.8	186.2	101	-173.0
3295	-2.0	187.9	100	-173.3
0	-1.8	189.6	98	-173.3
3296	-1.6	191.4	96	-172.5
0	-1.6	193.0	94	-154.9
3297	-2.8	194.5	93	-128.0
0	-24.0	195.7	92	-109.9
3298	-53.7	196.6	91	-76.9
0	-63.6	197.3	90	-66.5
3299	-48.7	197.9	90	-54.8
0	-21.7	198.3	89	-36.2
3300	1.8	198.5	89	-22.8
0	5.8	198.8	89	-20.4
3301	13.7	198.9	89	-13.3
0	14.2	199.0	88	-7.7
3302	5.2	199.0	88	-4.2
0	-1.8	199.1	88	-3.4
3303	-0.7	199.1	88	-4.5
0	2.8	199.2	88	-4.5
3304	11.0	199.2	88	-2.6
0	19.5	199.2	88	1.3
3305	23.1	199.1	88	4.5
0	20.9	199.1	88	9.8
3306	14.9	198.9	89	15.1
0	11.3	198.7	89	18.3
3307	13.7	198.5	89	21.2
0	20.5	198.2	89	24.7
3308	26.4	197.9	90	30.3
0	27.5	197.5	90	36.7
3309	22.9	197.0	90	43.1
0	16.1	196.5	91	59.3
3310	13.4	195.9	92	58.3
0	15.9	195.3	92	55.6
3311	22.0	194.7	93	59.6
0	26.6	194.0	93	64.9
3312	26.6	193.2	94	71.6
0	21.7	192.3	95	86.7
3313	16.1	191.4	96	92.6
0	14.0	190.4	97	96.9
3314	16.0	189.5	98	100.6
0	20.1	188.4	99	104.8
3315	22.8	187.3	100	110.2
0	21.4	186.2	101	116.3
3316				
0				
3317				
0				
3318				
0				
3319				

3343	17.1	185.0	10	121.9
0	13.7	183.7	2	126.1
3344	13.2	182.4	10	129.9
0	14.6	181.1	4	133.1
3345	16.5	179.7	10	137.1
0	17.4	178.3	5	141.6
3346	14.9	176.9	10	145.6
0	11.3	175.4	6	149.0
3347	8.3	173.9	10	151.7
0	8.5	172.4	8	153.6
3348	11.0	170.8	10	155.4
0	14.4	169.2	9	158.1
3349	15.7	167.6	11	161.5
0	13.6	166.0	1	165.3
3350	10.2	164.3	11	168.5
0	7.6	162.6	2	170.3
3351	8.3	160.9	11	171.9
0	11.0	159.2	4	173.8
3352	13.2	157.4	11	176.2
0	13.3	155.6	5	179.1
3353	12.7	153.8	11	178.9
0	12.6	152.0	7	179.4
3354	13.2	150.2	11	179.4
0	13.6	148.4	8	179.4
3355	14.1	146.6	12	179.4
0	13.6	144.9	0	179.4
3356	12.7	143.1	12	179.4
0	12.1	141.3	1	179.4
3357	11.1	139.5	12	179.4
0	10.6	137.7	3	179.7
3358	10.6	135.9	12	179.4
0	11.4	134.1	5	179.4
3359	12.6	132.3	12	179.7
0	13.0	130.5	7	179.7
3360	13.3	128.7	12	179.4
0	12.6	126.9	8	179.9
3361	12.3	125.1	13	179.7
0	13.0	123.3	0	179.7
3362	13.7	121.5	13	179.7
0	14.0	119.7	2	179.9
3363	14.5	117.9	13	179.7
0	15.1	116.1	4	179.9
3364	15.7	114.3	13	179.9
0	16.0	112.5	5	179.7
3365	16.0	110.7	13	179.9
0	16.0	108.9	7	179.7
3366	16.1	107.1	13	179.7
0	16.5	105.3	9	179.9
3367	16.1	103.5	14	179.9
0	15.6	101.7	1	179.7
3368	15.3	99.9	14	179.9
0	15.6	98.1	3	179.7
3369	16.4	96.3	14	179.7
0	16.4	94.5	4	179.9
3370			14	
0			6	
3371			14	
0			8	
3372			15	
0			0	
3373			15	

3397	15.9	92.7	19	179.9
0	14.9	90.9	5	179.7
3398	13.7	89.1	19	179.7
0	13.3	87.3	7	179.7
3399	12.5	85.5	19	179.7
0	11.4	83.8	8	179.4
3400	10.2	82.0	20	179.7
0	9.2	80.2	0	179.4
3401	9.1	78.4	20	179.4
0	8.8	76.6	2	179.4
3402	7.9	74.8	20	179.4
0	6.8	73.0	4	179.7
3403	5.4	71.2	20	179.4
0	4.7	69.4	5	179.1
3404	3.8	67.6	20	179.4
0	2.7	65.8	7	179.1
3405	1.9	64.0	20	179.4
0	1.8	62.3	9	161.3
3406	4.2	60.6	21	143.7
0	28.7	59.3	1	132.5
3407	54.8	58.3	21	94.5
0	63.6	57.5	3	65.4
3408	50.4	56.9	21	53.7
0	28.7	56.5	4	38.6
3409	12.3	56.2	21	30.0
0	7.9	56.0	6	19.9
3410	9.9	55.8	21	14.9
0	8.0	55.7	8	11.1
3411	0.0	55.6	22	7.9
0	-1.4	55.6	0	6.3
3412	-11.8	55.5	22	3.9
0	-26.0	55.5	2	-1.0
3413	-29.0	55.6	22	-5.3
0	-18.2	55.7	3	-11.4
3414	-7.1	55.8	22	-15.1
0	-4.9	56.0	5	-16.5
3415	-14.6	56.2	22	-18.1
0	-27.0	56.5	7	-26.8
3416	-30.1	56.7	22	-31.4
0	-24.0	57.1	8	-35.4
3417	-14.9	57.6	22	-40.9
0	-10.8	58.0	9	-44.7
3418	-14.2	58.6	23	-47.3
0	-21.2	59.1	0	-62.2
3419	-23.9	59.7	23	-62.0
0	-20.9	60.4	1	-61.4
3420	-16.1	61.1	23	-66.5
0	-14.9	61.9	1	-70.2
3421	-17.9	62.7	23	-81.7
0	-21.7	63.6	1	-87.3
3422	-22.4	64.5	23	-93.1
0	-19.9	65.5	1	-99.0
3423	-16.4	66.5	23	-104.6
0	-15.5	67.6	2	-108.6
3424			23	
0			2	
3425			23	
0			2	
3426			23	
0			2	
3427			23	

3451	-18.0	68.7	21	-113.1
0	-21.3	69.9	9	-117.9
3452	-22.6	71.1	21	-123.7
0	-21.4	72.4	8	-129.9
3453	-19.3	73.7	21	-135.2
0	-18.0	75.1	6	-140.2
3454	-19.9	76.5	21	-145.0
0	-22.4	78.0	5	-150.6
3455	-24.0	79.6	21	-156.2
0	-22.4	81.2	4	-162.6
3456	-18.4	82.9	21	-168.5
0	-16.1	84.6	2	-172.7
3457	-18.6	86.3	21	-174.3
0	-25.4	88.1	1	-174.9
3458	-32.1	89.8	20	-175.4
0	-34.3	91.6	9	-176.2
3459	-33.1	93.4	20	-175.9
0	-31.7	95.1	8	-175.7
3460	-32.0	96.9	20	-175.7
0	-33.5	98.6	6	-176.2
3461	-34.4	100.4	20	-175.9
0	-34.2	102.2	5	-176.2
3462	-33.0	103.9	20	-175.9
0	-32.4	105.7	3	-175.9
3463	-33.8	107.4	20	-176.2
0	-35.8	109.2	1	-176.5
3464	-37.8	111.0	19	-176.5
0	-38.9	112.7	9	-176.5
3465	-38.9	114.5	19	-176.5
0	-37.6	116.3	8	-176.2
3466	-35.5	118.0	19	-176.5
0	-33.6	119.8	6	-175.9
3467	-32.7	121.5	19	-175.7
0	-33.1	123.3	4	-175.9
3468	-34.3	125.1	19	-176.2
0	-35.1	126.8	2	-176.2
3469	-34.7	128.6	19	-176.2
0	-33.5	130.3	1	-176.2
3470	-32.8	132.1	18	-175.7
0	-33.0	133.9	9	-175.9
3471	-32.7	135.6	18	-175.9
0	-31.7	137.4	7	-175.9
3472	-30.6	139.1	18	-175.9
0	-29.6	140.9	5	-175.7
3473	-29.0	142.7	18	-175.7
0	-29.0	144.4	4	-175.7
3474	-27.8	146.2	18	-175.4
0	-26.4	147.9	2	-175.4
3475	-25.5	149.7	18	-175.4
0	-25.2	151.4	0	-175.1
3476	-24.8	153.2	17	-175.4
0	-23.6	154.9	8	-175.4
3477	-21.7	156.7	17	-174.9
0	-19.4	158.4	6	-174.6
3478			17	
0			5	
3479			17	
0			3	
3480			17	
0			1	
3481			16	

3505	-19.0	160.2	127	-174.9
0	-19.4	161.9	126	-174.6
3506	-19.0	163.7	124	-174.9
0	-18.2	165.4	122	-174.9
3507	-17.1	167.2	120	-174.3
0	-16.0	168.9	119	-174.3
3508	-15.5	170.7	117	-174.3
0	-14.5	172.4	115	-174.1
3509	-13.7	174.1	113	-174.3
0	-12.5	175.9	112	-174.3
3510	-11.3	177.6	110	-173.8
0	-9.6	179.4	108	-173.8
3511	-7.6	181.1	106	-173.8
0	-5.7	182.8	105	-173.5
3512	-3.5	184.6	103	-173.3
0	-2.3	186.3	101	-173.0
3513	-1.9	188.0	99	-172.7
0	-1.6	189.8	98	-172.7
3514	-1.6	191.5	96	-172.5
0	-1.4	193.1	94	-154.4
3515	-2.6	194.6	93	-125.3
0	-14.1	195.8	92	-106.4
3516	-46.0	196.7	91	-89.7
0	-56.8	197.4	90	-64.6
3517	-45.4	197.9	90	-53.7
0	-20.2	198.3	89	-35.4
3518	2.2	198.6	89	-26.8
0	12.2	198.7	89	-17.8
3519	25.6	198.9	89	-10.1
0	24.8	198.9	89	-4.7
3520	9.8	198.9	89	0.5
0	-1.5	198.9	89	1.3
3521	-0.7	198.9	89	0.2
0	3.8	198.9	89	0.2
3522	12.7	198.9	89	2.6
0	22.1	198.8	89	5.3
3523	24.8	198.7	89	12.7
0	19.8	198.6	89	20.2
3524	12.9	198.4	89	23.4
0	9.9	198.1	89	24.4
3525	14.0	197.8	90	27.1
0	22.2	197.5	90	30.8
3526	28.5	197.1	90	36.4
0	28.3	196.6	91	43.6
3527	22.1	196.1	91	50.0
0	14.2	195.4	92	67.6
3528	11.5	194.8	93	71.6
0	15.5	194.1	93	75.0
3529	22.9	193.4	94	79.8
0	27.8	192.6	95	86.2
3530	26.4	191.8	96	86.2
0	19.9	190.9	97	93.7
3531	13.7	189.9	98	98.7
0	11.4	188.9	99	102.4
3532				
0				
3533				
0				
3534				
0				
3535				

3559	15.9	187.8	10	105.6
0	21.2	186.7	0	109.9
3560	23.6	185.6	10	115.8
0	21.0	184.4	1	121.9
3561	15.6	183.1	10	127.7
0	11.7	181.8	2	131.5
3562	11.4	180.5	10	134.4
0	15.5	179.1	3	137.3
3563	19.9	177.7	10	141.6
0	20.9	176.3	4	146.6
3564	16.8	174.8	10	152.0
0	11.5	173.2	6	156.0
3565	8.0	171.6	10	158.6
0	8.5	170.0	7	160.5
3566	13.0	168.4	10	162.1
0	16.5	166.8	8	165.5
3567	16.3	165.1	11	169.5
0	12.1	163.3	0	173.5
3568	7.2	161.6	11	175.9
0	5.8	159.8	1	177.3
3569	7.9	158.0	11	178.1
0	11.7	156.2	3	178.9
3570	15.6	154.5	11	179.4
0	17.4	152.7	4	179.4
3571	16.7	150.9	11	179.7
0	14.4	149.1	6	179.7
3572	12.3	147.3	11	179.1
0	12.5	145.5	7	179.4
3573	14.1	143.7	11	179.4
0	16.4	141.9	9	179.7
3574	17.6	140.1	12	179.7
0	16.5	138.3	1	179.7
3575	14.9	136.5	12	179.7
0	13.8	134.7	2	179.7
3576	13.8	132.9	12	179.7
0	14.6	131.1	4	179.4
3577	15.7	129.3	12	179.4
0	16.0	127.5	6	179.9
3578	15.1	125.7	12	179.7
0	14.0	123.9	8	179.7
3579	13.2	122.1	12	179.7
0	12.5	120.3	9	179.4
3580	13.2	118.5	13	179.7
0	14.4	116.7	1	179.7
3581	15.9	114.9	13	179.7
0	16.1	113.1	3	179.9
3582	15.2	111.3	13	179.9
0	14.4	109.5	5	179.7
3583	14.0	107.7	13	179.4
0	14.8	105.9	7	179.7
3584	15.5	104.1	13	179.7
0	15.9	102.3	8	179.9
3585	16.1	100.5	14	179.9
0	16.3	98.8	0	179.7
3586			14	
0			2	
3587			14	
0			4	
3588			14	
0			6	
3589			14	

3613	16.8	97.0	19	179.9
0	16.8	95.2	0	179.7
3614	16.5	93.4	19	179.9
0	16.4	91.6	2	179.7
3615	16.1	89.8	19	179.7
0	16.0	88.0	4	179.7
3616	16.0	86.2	19	179.7
0	15.1	84.4	6	179.9
3617	14.0	82.6	19	179.7
0	13.0	80.8	8	179.7
3618	12.6	79.0	19	179.7
0	12.2	77.2	9	179.4
3619	11.1	75.4	20	179.7
0	9.8	73.6	1	179.4
3620	8.1	71.8	20	179.4
0	6.6	70.0	3	179.4
3621	5.2	68.2	20	179.1
0	3.4	66.4	5	179.4
3622	2.0	64.6	20	179.1
0	1.8	62.8	7	179.1
3623	1.8	61.2	20	155.4
0	16.4	59.7	8	147.2
3624	43.7	58.6	21	102.7
0	61.4	57.7	0	85.9
3625	54.1	57.1	21	59.3
0	32.7	56.7	2	43.1
3626	10.6	56.3	21	30.6
0	0.0	56.1	4	23.9
3627	0.0	55.9	21	16.2
0	0.5	55.8	6	13.5
3628	-0.7	55.7	21	9.0
0	-1.8	55.6	7	6.6
3629	-16.8	55.6	21	2.9
0	-33.6	55.6	9	-2.3
3630	-33.9	55.6	22	-8.5
0	-19.4	55.8	1	-15.9
3631	-4.3	56.0	22	-19.9
0	-2.3	56.2	3	-20.4
3632	-15.5	56.5	22	-26.6
0	-29.7	56.7	5	-28.2
3633	-34.7	57.1	22	-32.4
0	-27.5	57.5	6	-40.7
3634	-16.3	58.0	22	-47.6
0	-11.5	58.6	8	-50.8
3635	-17.0	59.2	22	-54.8
0	-25.0	59.8	9	-58.0
3636	-27.4	60.5	23	-64.4
0	-21.2	61.3	0	-70.8
3637	-12.7	62.1	23	-75.3
0	-10.0	63.0	0	-87.0
3638	-15.2	63.9	23	-89.9
0	-22.6	64.8	1	-94.2
3639	-25.5	65.8	23	-100.6
0	-20.9	66.9	1	-107.2
3640			23	
0			1	
3641			23	
0			2	
3642			23	
0			2	
3643			23	

3667	-13.6	68.0	21	-112.6
0	-10.2	69.1	9	-116.3
3668	-13.0	70.3	21	-118.7
0	-19.7	71.5	8	-122.4
3669	-23.3	72.8	21	-127.7
0	-21.3	74.1	7	-133.6
3670	-15.9	75.5	21	-139.2
0	-14.1	76.9	6	-142.9
3671	-17.0	78.4	21	-146.6
0	-23.5	79.9	5	-151.4
3672	-26.2	81.4	21	-157.6
0	-23.5	83.1	3	-164.5
3673	-18.3	84.8	21	-170.3
0	-16.3	86.5	2	-174.1
3674	-21.6	88.2	21	-174.9
0	-30.5	90.0	1	-175.4
3675	-36.9	91.7	20	-176.2
0	-37.8	93.5	9	-176.7
3676	-35.1	95.3	20	-176.2
0	-31.7	97.0	8	-175.9
3677	-30.4	98.8	20	-175.7
0	-31.9	100.5	6	-175.7
3678	-34.3	102.3	20	-176.2
0	-35.8	104.1	4	-176.2
3679	-36.1	105.8	20	-176.2
0	-35.4	107.6	3	-176.5
3680	-34.0	109.4	20	-176.2
0	-33.5	111.1	1	-175.9
3681	-34.6	112.9	19	-175.9
0	-36.3	114.6	9	-176.2
3682	-37.6	116.4	19	-176.5
0	-36.9	118.2	7	-176.5
3683	-34.7	119.9	19	-176.2
0	-32.5	121.7	6	-175.9
3684	-31.9	123.5	19	-175.9
0	-33.2	125.2	4	-175.9
3685	-35.1	127.0	19	-176.2
0	-35.7	128.7	2	-176.5
3686	-34.7	130.5	19	-176.2
0	-33.2	132.3	0	-175.9
3687	-32.1	134.0	18	-175.9
0	-30.6	135.8	9	-175.7
3688	-29.7	137.5	18	-175.7
0	-29.3	139.3	7	-175.9
3689	-29.6	141.1	18	-175.7
0	-30.2	142.8	5	-175.7
3690	-30.2	144.6	18	-175.9
0	-29.0	146.3	3	-175.7
3691	-27.3	148.1	18	-175.4
0	-26.4	149.8	2	-175.4
3692	-26.6	151.6	18	-175.4
0	-26.7	153.4	0	-175.4
3693	-25.8	155.1	17	-175.4
0	-22.8	156.9	8	-175.1
3694			17	
0			6	
3695			17	
0			5	
3696			17	
0			3	
3697			17	

3721	-20.3	158.6	129	-174.9
0	-19.1	160.4	127	-174.9
3722	-18.8	162.1	125	-174.6
0	-18.3	163.9	124	-174.6
3723	-17.9	165.6	122	-174.9
0	-17.2	167.3	120	-174.3
3724	-16.7	169.1	118	-174.3
0	-15.9	170.8	117	-174.6
3725	-14.8	172.6	115	-174.1
0	-13.0	174.3	113	-174.1
3726	-11.5	176.1	111	-174.1
0	-10.0	177.8	110	-173.8
3727	-8.4	179.5	108	-173.8
0	-6.9	181.3	106	-173.5
3728	-4.9	183.0	104	-173.3
0	-3.8	184.7	103	-173.0
3729	-2.8	186.5	101	-173.0
0	-1.8	188.2	99	-173.0
3730	-1.5	189.9	98	-173.0
0	-1.6	191.7	96	-172.5
3731	-1.6	193.4	94	-170.1
0	-2.8	194.8	93	-136.3
3732	-25.4	195.9	92	-114.2
0	-55.1	196.7	91	-81.7
3733	-63.5	197.4	90	-63.3
0	-46.1	198.0	89	-51.9
3734	-18.7	198.3	89	-33.8
0	1.2	198.6	89	-21.0
3735	6.9	198.8	89	-17.3
0	16.0	198.9	89	-11.9
3736	15.5	199.0	88	-7.7
0	4.9	199.0	88	-3.7
3737	6.0	199.0	88	-2.9
0	12.2	199.0	88	0.5
3738	16.4	199.0	88	1.5
0	14.1	199.0	88	7.7
3739	12.7	198.9	89	10.6
0	10.2	198.7	89	13.0
3740	10.7	198.6	89	15.4
0	15.2	198.4	89	18.1
3741	20.2	198.2	89	21.8
0	23.2	197.9	90	27.1
3742	21.8	197.5	90	32.7
0	17.6	197.1	90	37.8
3743	13.6	196.6	91	51.3
0	12.3	196.2	91	55.1
3744	14.5	195.6	92	58.8
0	17.6	195.1	92	63.6
3745	19.4	194.4	93	68.6
0	18.3	193.8	94	74.5
3746	15.6	193.1	94	79.6
0	13.3	192.3	95	84.1
3747	13.6	191.5	96	80.3
0	15.3	190.7	97	83.8
3748				
0				
3749				
0				
3750				
0				
3751				

3775	16.8	189.8	98	87.8
0	16.8	188.9	99	92.6
3776	15.6	187.9	100	97.1
0	13.7	186.9	101	101.1
3777	13.4	185.9	102	104.8
0	14.4	184.8	103	108.3
3778	16.8	183.7	104	112.3
0	17.9	182.6	105	116.8
3779	16.8	181.4	106	121.3
0	14.1	180.1	107	125.6
3780	12.5	178.8	109	129.1
0	12.6	177.5	110	132.3
3781	13.6	176.2	111	135.5
0	14.6	174.8	113	138.9
3782	15.5	173.4	114	142.4
0	14.2	171.9	116	146.6
3783	11.8	170.4	117	149.8
0	10.8	168.9	119	152.8
3784	11.1	167.4	120	155.4
0	11.9	165.8	122	157.8
3785	12.3	164.2	123	160.7
0	11.9	162.6	125	163.4
3786	11.0	160.9	127	166.3
0	10.2	159.2	128	168.7
3787	9.5	157.5	130	171.1
0	9.4	155.8	132	173.3
3788	10.3	154.0	133	174.9
0	11.3	152.3	135	177.3
3789	11.8	150.5	137	178.6
0	12.2	148.7	139	179.4
3790	12.6	146.9	141	179.4
0	12.6	145.1	142	179.4
3791	12.7	143.3	144	179.4
0	13.3	141.5	146	179.4
3792	13.4	139.7	148	179.7
0	13.3	137.9	150	179.4
3793	12.5	136.1	151	179.4
0	12.2	134.3	153	179.7
3794	11.8	132.5	155	179.4
0	11.4	130.8	157	179.4
3795	11.3	129.0	158	179.4
0	11.7	127.2	160	179.7
3796	12.6	125.4	162	179.7
0	14.4	123.6	164	179.7
3797	15.7	121.8	166	179.9
0	15.9	120.0	167	179.9
3798	16.7	118.2	169	179.9
0	17.4	116.4	171	179.9
3799	17.9	114.6	173	179.9
0	17.5	112.8	175	179.9
3800	16.7	111.0	176	179.7
0	15.7	109.2	178	179.9
3801	15.1	107.4	180	179.7
0	15.6	105.6	182	179.7
3802				
0				
3803				
0				
3804				
0				
3805				

3829	15.9	103.8	18	179.7
0	15.3	102.0	4	179.9
3830	15.1	100.2	18	179.7
0	15.1	98.4	5	179.4
3831	15.3	96.6	18	179.9
0	14.9	94.8	7	179.7
3832	14.2	93.0	18	179.7
0	13.7	91.2	9	179.4
3833	12.7	89.4	19	179.4
0	12.9	87.6	1	179.4
3834	12.9	85.8	19	179.7
0	11.7	84.0	3	179.7
3835	10.3	82.2	19	179.7
0	9.5	80.4	4	179.1
3836	9.6	78.6	19	179.4
0	9.4	76.8	6	179.4
3837	8.5	75.0	19	179.7
0	7.1	73.2	8	179.4
3838	5.3	71.5	20	179.4
0	4.1	69.7	0	179.1
3839	3.4	67.9	20	179.1
0	2.4	66.1	2	179.4
3840	2.0	64.3	20	179.4
0	1.9	62.5	3	179.1
3841	3.3	60.8	20	167.4
0	25.1	59.5	5	114.2
3842	54.2	58.4	20	98.5
0	65.8	57.6	7	67.0
3843	53.8	57.0	20	55.9
0	30.9	56.6	9	40.1
3844	12.3	56.2	21	31.4
0	7.5	56.0	1	21.0
3845	11.4	55.9	21	15.4
0	11.7	55.7	2	10.9
3846	3.5	55.6	21	8.7
0	-1.6	55.6	4	6.3
3847	-12.2	55.5	21	3.9
0	-29.3	55.5	6	-1.0
3848	-33.0	55.6	21	-7.1
0	-21.0	55.7	8	-15.4
3849	-7.9	55.9	22	-20.7
0	-4.1	56.1	0	-22.8
3850	-13.4	56.3	22	-22.0
0	-26.0	56.5	1	-23.4
3851	-30.8	56.9	22	-36.7
0	-22.8	57.3	3	-45.5
3852	-11.4	57.7	22	-52.1
0	-6.2	58.2	5	-56.1
3853	-11.1	58.7	22	-52.7
0	-20.3	59.3	7	-50.3
3854	-25.2	59.9	22	-67.8
0	-21.8	60.6	8	-74.8
3855	-14.6	61.3	22	-81.1
0	-11.9	62.1	9	-85.1
3856			23	
0			0	
3857			23	
0			0	
3858			23	
0			1	
3859			22	

3883	-15.7	62.9	22	-80.9
0	-21.4	63.7	5	-85.4
3884	-23.5	64.6	22	-91.3
0	-20.2	65.6	4	-97.4
3885	-14.6	66.6	22	-103.0
0	-11.7	67.6	3	-106.4
3886	-14.2	68.7	22	-109.6
0	-18.7	69.9	2	-113.6
3887	-20.9	71.0	22	-118.4
0	-19.3	72.3	1	-124.5
3888	-15.5	73.5	22	-128.8
0	-14.2	74.9	0	-133.3
3889	-16.7	76.2	21	-136.5
0	-20.5	77.6	9	-141.3
3890	-22.5	79.1	21	-146.4
0	-20.5	80.6	8	-152.5
3891	-15.9	82.1	21	-157.3
0	-13.2	83.7	6	-161.5
3892	-13.7	85.4	21	-164.7
0	-17.8	87.1	5	-167.9
3893	-21.6	88.8	21	-172.7
0	-22.6	90.5	4	-174.9
3894	-23.3	92.3	21	-174.9
0	-24.3	94.0	3	-175.1
3895	-26.0	95.8	21	-175.1
0	-28.5	97.5	1	-175.4
3896	-29.8	99.3	21	-175.7
0	-28.9	101.0	0	-175.9
3897	-27.3	102.8	20	-175.4
0	-26.0	104.6	8	-175.7
3898	-26.7	106.3	20	-175.4
0	-28.9	108.1	7	-175.4
3899	-30.6	109.8	20	-175.7
0	-31.6	111.6	5	-175.9
3900	-31.6	113.3	20	-175.7
0	-30.9	115.1	4	-175.7
3901	-30.2	116.8	20	-175.9
0	-29.8	118.6	2	-175.7
3902	-30.0	120.4	20	-175.7
0	-30.1	122.1	0	-175.4
3903	-30.8	123.9	19	-175.9
0	-31.3	125.6	9	-175.9
3904	-31.2	127.4	19	-175.7
0	-30.2	129.2	7	-175.7
3905	-29.6	130.9	19	-175.7
0	-30.0	132.7	5	-175.7
3906	-30.5	134.4	19	-175.7
0	-30.4	136.2	3	-175.9
3907	-29.7	137.9	19	-175.7
0	-28.9	139.7	2	-175.4
3908	-28.6	141.5	19	-175.7
0	-29.2	143.2	0	-175.7
3909	-29.7	145.0	18	-175.7
0	-28.6	146.7	8	-175.9
3910			18	
0			6	
3911			18	
0			5	
3912			18	
0			3	
3913			18	

3937	-27.3	148.5	139	-175.4
0	-25.9	150.2	137	-175.4
3938	-25.0	152.0	135	-175.4
0	-23.6	153.7	134	-174.9
3939	-21.6	155.5	132	-174.9
0	-18.7	157.2	130	-174.9
3940	-17.4	159.0	128	-174.3
0	-17.4	160.7	127	-174.6
3941	-17.6	162.5	125	-174.6
0	-17.4	164.2	123	-174.6
3942	-16.4	166.0	121	-174.3
0	-15.2	167.7	120	-174.3
3943	-14.4	169.5	118	-173.8
0	-13.7	171.2	116	-174.1
3944	-12.9	172.9	115	-174.1
0	-12.6	174.7	113	-174.1
3945	-12.2	176.4	111	-174.3
0	-11.7	178.2	109	-173.8
3946	-10.7	179.9	108	-173.8
0	-9.2	181.6	106	-173.8
3947	-7.1	183.4	104	-173.8
0	-5.0	185.1	102	-173.3
3948	-3.3	186.8	101	-173.5
0	-1.9	188.6	99	-173.0
3949	-1.6	190.3	97	-172.7
0	-1.6	192.0	95	-172.5
3950	-1.5	193.6	94	-150.1
0	-2.6	195.0	92	-128.5
3951	-23.1	196.1	91	-108.0
0	-49.6	196.9	91	-77.4
3952	-54.9	197.5	90	-59.9
0	-37.0	198.0	89	-40.1
3953	-1.9	198.4	89	-31.4
0	3.0	198.6	89	-20.2
3954	14.1	198.8	89	-16.7
0	20.3	198.9	89	-8.2
3955	15.3	198.9	89	-0.2
0	4.5	198.9	89	0.5
3956	6.5	198.9	89	2.6
0	14.2	198.9	89	3.9
3957	22.8	198.8	89	7.9
0	24.5	198.6	89	16.5
3958	21.3	198.4	89	24.2
0	15.6	198.2	89	27.1
3959	11.8	197.9	90	28.2
0	13.8	197.6	90	34.6
3960	20.7	197.2	90	34.8
0	27.5	196.7	91	40.1
3961	29.2	196.2	91	47.1
0	25.0	195.7	92	53.7
3962	17.4	195.0	92	73.2
0	12.7	194.3	93	78.2
3963	13.6	193.5	94	81.9
0	18.0	192.8	95	85.9
3964				
0				
3965				
0				
3966				
0				
3967				

3991	22.6	192.0	95	83.3
0	23.2	191.1	96	89.7
3992	19.3	190.1	97	95.8
0	14.8	189.1	98	100.8
3993	12.5	188.1	99	104.8
0	15.3	187.0	100	108.3
3994	19.4	185.9	102	112.3
0	21.6	184.7	103	117.6
3995	20.1	183.5	104	123.5
0	15.7	182.2	105	128.8
3996	11.4	180.9	107	132.5
0	10.6	179.6	108	135.5
3997	14.0	178.2	109	138.4
0	18.3	176.8	111	142.1
3998	20.5	175.3	112	146.6
0	17.8	173.8	114	152.0
3999	11.9	172.3	115	156.2
0	7.5	170.7	117	158.9
4000	7.9	169.1	118	160.5
0	11.8	167.5	120	162.1
4001	15.7	165.8	122	165.0
0	16.5	164.2	123	169.0
4002	14.1	162.4	125	172.5
0	10.6	160.7	127	175.7
4003	8.7	158.9	129	178.3
0	9.5	157.1	130	178.6
4004	13.3	155.3	132	179.1
0	17.2	153.5	134	179.7
4005	18.7	151.7	136	179.9
0	17.4	149.9	138	179.7
4006	14.2	148.1	139	179.7
0	11.4	146.3	141	179.4
4007	11.5	144.6	143	179.4
0	14.4	142.8	145	179.7
4008	17.8	141.0	146	179.7
0	19.0	139.2	148	179.9
4009	17.4	137.4	150	179.7
0	14.2	135.6	152	179.7
4010	11.5	133.8	154	179.4
0	11.1	132.0	155	179.4
4011	12.3	130.2	157	179.7
0	14.6	128.4	159	179.9
4012	16.1	126.6	161	179.9
0	16.3	124.8	163	179.7
4013	15.6	123.0	164	179.9
0	13.8	121.2	166	179.7
4014	12.5	119.4	168	179.4
0	12.6	117.6	170	179.7
4015	14.0	115.8	172	179.7
0	15.1	114.0	173	179.9
4016	14.6	112.2	175	179.7
0	13.4	110.4	177	179.7
4017	11.9	108.6	179	179.7
0	11.8	106.8	181	179.7
4018				
0				
4019				
0				
4020				
0				
4021				

4045	13.0	105.0	18	179.7
0	14.2	103.2	2	179.7
4046	14.8	101.4	18	179.7
0	14.5	99.6	4	179.7
4047	14.0	97.8	18	179.7
0	13.6	96.0	6	179.7
4048	12.5	94.2	18	179.7
0	12.3	92.4	8	179.7
4049	12.3	90.6	19	179.4
0	12.1	88.8	0	179.7
4050	11.9	87.0	19	179.7
0	11.0	85.3	1	179.7
4051	9.8	83.5	19	179.4
0	8.8	81.7	3	179.4
4052	8.7	79.9	19	179.4
0	9.4	78.1	5	179.4
4053	9.4	76.3	19	179.4
0	8.5	74.5	7	179.7
4054	6.8	72.7	19	179.4
0	5.2	70.9	9	179.7
4055	4.1	69.1	20	179.4
0	3.1	67.3	0	179.4
4056	2.2	65.5	20	179.4
0	1.9	63.7	2	179.1
4057	1.8	61.9	20	178.9
0	4.5	60.4	4	153.8
4058	29.2	59.1	20	104.6
0	55.5	58.2	6	89.9
4059	60.9	57.4	20	61.2
0	43.3	56.9	8	50.5
4060	18.8	56.5	20	35.9
0	3.0	56.2	9	25.2
4061	0.3	56.0	21	16.5
0	3.5	55.9	1	14.1
4062	2.4	55.7	21	11.7
0	-0.5	55.7	3	7.7
4063	-2.0	55.6	21	5.5
0	-17.4	55.6	5	2.1
4064	-31.7	55.6	21	-2.3
0	-30.0	55.7	7	-8.7
4065	-15.6	55.8	21	-15.4
0	-2.4	56.0	8	-18.3
4066	-1.9	56.2	22	-18.9
0	-17.2	56.4	0	-24.4
4067	-32.3	56.7	22	-27.1
0	-36.3	57.0	2	-32.4
4068	-27.3	57.5	22	-40.9
0	-14.1	58.0	4	-47.1
4069	-8.8	58.5	22	-50.5
0	-15.1	59.1	6	-52.9
4070	-26.2	59.7	22	-69.4
0	-29.6	60.4	7	-77.2
4071	-22.8	61.2	22	-85.4
0	-12.3	62.0	8	-91.8
4072			22	
0			9	
4073			23	
0			0	
4074			23	
0			1	
4075			22	

4099	-8.3	62.9	22	-87.5
0	-13.3	63.8	5	-89.1
4100	-22.5	64.7	22	-92.9
0	-27.0	65.6	4	-99.0
4101	-22.6	66.7	22	-106.4
0	-13.4	67.8	3	-112.0
4102	-8.9	68.9	22	-115.5
0	-12.5	70.1	2	-117.9
4103	-21.6	71.3	22	-121.3
0	-27.3	72.6	1	-127.7
4104	-24.8	73.9	22	-134.7
0	-18.0	75.3	0	-141.3
4105	-12.6	76.8	21	-145.6
0	-14.9	78.2	9	-148.8
4106	-21.2	79.8	21	-152.8
0	-25.8	81.3	7	-158.4
4107	-23.6	83.0	21	-165.5
0	-16.8	84.7	6	-170.9
4108	-13.3	86.4	21	-174.1
0	-17.6	88.1	5	-174.3
4109	-26.6	89.9	21	-174.9
0	-33.8	91.6	4	-176.2
4110	-35.5	93.4	21	-176.2
0	-33.8	95.2	2	-175.9
4111	-31.6	96.9	21	-175.9
0	-31.2	98.7	1	-175.9
4112	-33.1	100.4	20	-175.7
0	-35.4	102.2	9	-176.2
4113	-37.2	104.0	20	-176.5
0	-38.0	105.7	8	-176.2
4114	-38.5	107.5	20	-176.7
0	-38.9	109.3	6	-176.7
4115	-39.7	111.0	20	-176.7
0	-41.2	112.8	4	-176.7
4116	-43.1	114.6	20	-176.7
0	-44.5	116.3	3	-176.7
4117	-44.1	118.1	20	-177.5
0	-42.3	119.9	1	-178.3
4118	-40.4	121.7	19	-178.3
0	-39.7	123.5	9	-178.9
4119	-41.1	125.3	19	-179.1
0	-43.0	127.0	8	-179.1
4120	-43.8	128.8	19	-179.7
0	-42.8	130.6	6	-179.4
4121	-41.4	132.4	19	-179.1
0	-39.9	134.2	4	-179.1
4122	-38.0	136.0	19	-179.1
0	-36.6	137.8	2	-179.4
4123	-35.8	139.6	19	-179.1
0	-35.5	141.4	1	-179.7
4124	-35.5	143.2	18	-179.7
0	-35.0	145.0	9	-179.4
4125	-33.4	146.8	18	-179.1
0	-31.6	148.6	7	-178.9
4126			18	
0			5	
4127			18	
0			3	
4128			18	
0			2	
4129			18	

4153	-30.8	150.4	137	-179.1
0	-30.5	152.2	135	-179.4
4154	-29.8	154.0	133	-179.4
0	-28.2	155.7	132	-179.4
4155	-25.4	157.5	130	-179.4
0	-23.2	159.3	128	-179.1
4156	-22.2	161.1	126	-179.4
0	-21.3	162.9	125	-179.4
4157	-20.3	164.7	123	-179.1
0	-19.7	166.5	121	-179.1
4158	-18.7	168.3	119	-179.1
0	-17.6	170.1	117	-179.1
4159	-15.9	171.9	116	-179.1
0	-13.6	173.7	114	-179.4
4160	-11.0	175.5	112	-179.1
0	-8.4	177.3	110	-178.9
4161	-6.4	179.1	108	-179.4
0	-5.0	180.8	107	-179.4
4162	-3.3	182.6	105	-179.1
0	-2.2	184.4	103	-179.1
4163	-1.8	186.2	101	-179.1
0	-1.8	188.0	99	-178.9
4164	-1.6	189.8	98	-178.6
0	-1.5	191.6	96	-178.3
4165	3.3	193.3	94	-159.2
0	-2.4	194.9	93	-154.1
4166	-6.2	195.9	92	-106.4
0	-33.6	196.8	91	-81.9
4167	-52.1	197.5	90	-58.3
0	-47.9	198.0	89	-48.7
4168	-19.5	198.4	89	-30.8
0	3.1	198.7	89	-23.1
4169	14.6	198.8	89	-14.9
0	27.7	199.0	88	-11.4
4170	26.2	199.0	88	-3.7
0	10.2	199.0	88	0.5
4171	-0.9	199.0	88	1.8
0	-0.4	199.0	88	0.2
4172	3.7	199.0	88	1.0
0	15.3	199.0	88	2.6
4173	27.1	198.9	89	7.4
0	30.4	198.8	89	14.9
4174	24.5	198.6	89	23.1
0	15.2	198.3	89	27.9
4175	9.9	198.0	89	28.7
0	13.0	197.7	90	31.9
4176	22.6	197.3	90	35.1
0	30.4	196.9	91	40.7
4177	30.0	196.4	91	48.4
0	21.7	195.8	92	55.3
4178	11.3	195.1	92	73.7
0	6.9	194.4	93	76.6
4179	11.5	193.7	94	79.0
0	21.0	192.9	95	82.2
4180				
0				
4181				
0				
4182				
0				
4183				

4207	27.5	192.1	95	81.9
0	25.8	191.3	96	88.9
4208	17.4	190.3	97	95.5
0	9.4	189.3	98	100.0
4209	8.4	188.3	99	102.7
0	13.4	187.3	100	105.1
4210	22.1	186.2	101	108.8
0	25.5	185.1	102	115.0
4211	22.2	183.9	104	121.6
0	15.1	182.6	105	127.2
4212	9.6	181.3	106	130.7
0	9.5	180.0	107	133.1
4213	15.3	178.6	109	135.7
0	21.4	177.2	110	140.0
4214	22.9	175.8	112	145.6
0	17.1	174.3	113	151.4
4215	9.2	172.7	115	155.4
0	5.0	171.2	116	157.3
4216	7.3	169.6	118	158.4
0	14.5	168.0	119	160.0
4217	19.5	166.4	121	163.7
0	19.0	164.7	123	168.5
4218	13.3	163.0	124	172.7
0	6.4	161.2	126	175.7
4219	3.7	159.5	128	177.0
0	6.4	157.7	130	177.8
4220	11.5	155.9	132	178.6
0	16.8	154.1	133	179.4
4221	18.8	152.3	135	179.7
0	17.2	150.5	137	179.4
4222	13.4	148.7	139	179.4
0	10.6	146.9	141	179.1
4223	9.8	145.1	142	179.1
0	12.3	143.3	144	179.4
4224	16.0	141.5	146	179.7
0	18.0	139.7	148	179.9
4225	16.8	137.9	150	179.7
0	13.2	136.2	151	179.7
4226	9.9	134.4	153	179.4
0	9.4	132.6	155	179.4
4227	11.1	130.8	157	179.4
0	14.6	129.0	158	179.9
4228	16.7	127.2	160	180.2
0	16.5	125.4	162	179.9
4229	14.9	123.6	164	179.9
0	12.2	121.8	166	179.7
4230	9.9	120.0	167	179.1
0	9.6	118.2	169	179.4
4231	11.0	116.4	171	179.9
0	12.3	114.6	173	179.7
4232	12.3	112.8	175	179.7
0	11.1	111.0	176	179.9
4233	9.6	109.2	178	179.7
0	9.2	107.4	180	179.4
4234				
0				
4235				
0				
4236				
0				
4237				

4261	10.6	105.6	18	179.4
0	12.5	103.8	2	179.7
4262	14.1	102.0	18	179.9
0	14.8	100.2	4	179.9
4263	14.9	98.4	18	179.7
0	15.1	96.6	5	179.9
4264	14.6	94.8	18	179.9
0	14.5	93.0	7	179.7
4265	14.6	91.2	18	179.9
0	14.5	89.4	9	179.9
4266	14.9	87.6	19	179.7
0	14.6	85.8	1	179.9
4267	13.2	84.0	19	179.7
0	11.8	82.2	3	179.4
4268	11.1	80.4	19	179.4
0	11.0	78.6	4	179.4
4269	10.7	76.8	19	179.7
0	9.8	75.0	6	179.7
4270	8.9	73.2	19	179.7
0	7.7	71.4	8	179.4
4271	7.3	69.7	20	179.4
0	6.9	67.9	0	179.1
4272	5.6	66.1	20	179.4
0	4.3	64.3	2	179.4
4273	3.0	62.5	20	179.4
0	5.8	60.8	3	167.4
4274	28.6	59.5	20	114.4
0	55.3	58.4	5	98.2
4275	64.8	57.6	20	66.5
0	52.3	57.0	7	55.9
4276	30.4	56.6	20	39.9
0	14.2	56.3	9	28.4
4277	8.1	56.0	21	22.8
0	9.8	55.9	1	15.4
4278	8.5	55.7	21	11.7
0	1.5	55.6	2	7.7
4279	-0.9	55.6	21	5.8
0	-4.1	55.5	4	3.7
4280	-17.1	55.5	21	1.3
0	-22.2	55.5	6	-2.6
4281	-14.9	55.6	21	-7.9
0	-4.2	55.7	8	-11.7
4282	-0.1	55.8	22	-13.0
0	-8.8	55.9	0	-13.5
4283	-22.1	56.1	22	-14.9
0	-30.6	56.3	1	-18.9
4284	-27.7	56.5	22	-29.0
0	-17.4	56.9	3	-32.4
4285	-9.6	57.3	22	-36.7
0	-11.0	57.7	5	-39.4
4286	-19.3	58.2	22	-51.6
0	-25.6	58.7	7	-52.1
4287	-25.6	59.2	22	-52.9
0	-18.8	59.9	8	-58.8
4288			22	
0			9	
4289			23	
0			0	
4290			23	
0			0	
4291			22	

4315	-12.1	60.6	22	-63.0
0	-10.4	61.3	7	-66.0
4316	-15.3	62.0	22	-68.4
0	-20.6	62.9	6	-80.3
4317	-19.9	63.7	22	-86.2
0	-14.1	64.6	5	-91.0
4318	-8.5	65.6	22	-94.5
0	-8.7	66.5	5	-96.9
4319	-14.8	67.5	22	-99.3
0	-21.6	68.5	4	-103.5
4320	-23.2	69.6	22	-109.6
0	-18.8	70.8	3	-115.5
4321	-13.0	71.9	22	-120.3
0	-11.4	73.2	2	-123.2
4322	-14.9	74.4	22	-126.4
0	-20.3	75.7	1	-130.4
4323	-22.9	77.1	22	-135.7
0	-20.7	78.5	0	-141.6
4324	-17.0	79.9	21	-146.9
0	-14.2	81.4	9	-150.9
4325	-15.1	83.0	21	-154.9
0	-17.6	84.5	8	-158.4
4326	-20.1	86.2	21	-163.1
0	-20.3	87.8	7	-168.2
4327	-19.7	89.5	21	-173.3
0	-20.2	91.3	6	-175.1
4328	-23.3	93.0	21	-175.1
0	-28.9	94.8	4	-175.1
4329	-33.2	96.6	21	-175.9
0	-34.7	98.3	3	-175.9
4330	-33.2	100.1	21	-176.2
0	-31.6	101.8	2	-175.9
4331	-30.9	103.6	21	-175.7
0	-32.8	105.4	0	-175.7
4332	-36.7	107.1	20	-176.2
0	-39.5	108.9	9	-176.7
4333	-40.1	110.6	20	-176.7
0	-39.5	112.4	8	-176.7
4334	-38.5	114.2	20	-176.5
0	-38.1	115.9	6	-176.5
4335	-38.1	117.7	20	-176.5
0	-38.1	119.5	4	-176.5
4336	-38.6	121.2	20	-176.5
0	-39.2	123.0	3	-176.7
4337	-39.6	124.8	20	-176.7
0	-39.5	126.5	1	-177.0
4338	-38.6	128.3	20	-176.7
0	-37.3	130.1	0	-176.5
4339	-36.2	131.8	19	-176.2
0	-35.4	133.6	8	-176.5
4340	-34.0	135.4	19	-176.2
0	-32.1	137.1	6	-175.9
4341	-30.2	138.9	19	-175.9
0	-29.3	140.6	4	-175.7
4342			19	
0			3	
4343			19	
0			1	
4344			18	
0			9	
4345			19	

4369	-29.0	142.4	145	-175.7
0	-29.3	144.2	143	-175.9
4370	-27.8	145.9	142	-175.7
0	-25.6	147.7	140	-175.4
4371	-23.3	149.4	138	-174.9
0	-22.1	151.2	136	-174.9
4372	-21.3	152.9	135	-175.1
0	-20.7	154.7	133	-175.1
4373	-19.5	156.4	131	-174.6
0	-18.3	158.2	129	-174.6
4374	-17.5	159.9	128	-174.3
0	-17.5	161.7	126	-174.6
4375	-16.4	163.4	124	-174.6
0	-15.2	165.2	122	-174.6
4376	-14.0	166.9	121	-174.3
0	-13.3	168.6	119	-174.1
4377	-13.0	170.4	117	-174.1
0	-12.7	172.1	115	-173.8
4378	-11.8	173.9	114	-174.1
0	-10.4	175.6	112	-174.1
4379	-8.7	177.3	110	-173.8
0	-7.2	179.1	108	-173.8
4380	-5.3	180.8	107	-173.5
0	-3.4	182.5	105	-173.3
4381	-1.8	184.3	103	-173.3
0	-1.6	186.0	101	-173.0
4382	-1.5	187.7	100	-172.5
0	-1.4	189.5	98	-172.5
4383	5.7	191.2	96	-171.1
0	16.7	192.8	95	-151.2
4384	11.5	194.3	93	-126.7
0	-2.7	195.5	92	-110.2
4385	-28.7	196.4	91	-77.4
0	-54.0	197.1	90	-68.1
4386	-55.1	197.7	90	-47.3
0	-29.4	198.1	89	-38.8
4387	1.6	198.4	89	-24.7
0	12.7	198.6	89	-21.8
4388	23.9	198.8	89	-13.5
0	28.5	198.8	89	-6.3
4389	14.9	198.8	89	1.3
0	0.9	198.8	89	1.8
4390	-0.5	198.8	89	3.1
0	2.0	198.8	89	2.3
4391	11.5	198.7	89	3.9
0	23.7	198.7	89	6.9
4392	28.2	198.5	89	16.2
0	22.1	198.3	89	24.4
4393	13.3	198.1	89	27.9
0				
4394				
0				
4395				
0				
4396				
0				
4397				
0				
4398				
0				
4399				



TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	0.0	196.4	91	0.0
10	-0.1	196.4	91	0.2
20	1.6	196.4	91	0.2
30	2.2	196.4	91	0.7
40	1.8	196.4	91	1.0
50	1.8	196.4	91	1.0
60	1.8	196.4	91	2.3
70	3.0	196.4	91	2.3
80	11.8	196.3	91	3.9
90	19.8	196.3	91	7.1
100	19.5	196.1	91	11.9
110	12.3	196.0	91	16.5
120	5.3	195.8	92	19.1
130	3.8	195.5	92	20.4
140	8.5	195.3	92	21.8
150	16.1	195.0	92	23.9
160	20.2	194.7	93	27.6
170	17.8	194.4	93	32.7
180	11.0	194.0	93	37.0
190	5.2	193.6	94	39.4
200	4.5	193.1	94	40.7
210	9.1	192.7	95	41.7
220	15.3	192.2	95	49.2
230	17.9	191.6	96	53.7
240	14.9	191.1	96	58.5
250	9.4	190.4	97	62.2
260	5.3	189.8	98	64.9
270	5.7	189.1	98	66.2
280	9.9	188.5	99	67.8
290	15.2	187.8	100	70.5
300	17.4	187.0	100	74.8
310	14.8	186.2	101	79.3
320	9.6	185.4	102	83.3
330	6.4	184.6	103	85.4
340	6.8	183.7	104	87.0
350	10.3	182.8	105	88.9
360	13.8	181.9	106	91.8
370	14.2	181.0	106	95.3
380	10.7	180.0	107	98.7
390	6.9	179.0	108	101.6
400	5.3	177.9	110	103.2
410	6.8	176.9	111	104.3
420	9.8	175.8	112	106.2
430	11.8	174.8	113	108.3
440	10.8	173.7	114	111.2
450	7.5	172.5	115	113.9
460	4.6	171.4	116	115.2
470	3.5	170.2	117	116.3
480	6.5	169.0	118	116.6

490	9.6	167.9	12	118.2
500	10.8	166.7	0	120.5
510	9.2	165.4	12	123.2
520	6.1	164.2	1	125.3
530	3.9	162.9	12	126.4
540	3.9	161.7	2	127.2
550	6.1	160.4	12	127.7
560	8.5	159.1	3	129.1
570	8.5	157.8	12	130.7
580	5.7	156.5	5	132.5
590	3.7	155.1	12	133.1
600	2.8	153.8	6	133.9
610	3.8	152.5	12	134.1
620	5.7	151.1	7	134.7
630	6.8	149.8	12	135.7
640	6.8	148.4	8	137.1
650	5.0	147.0	13	138.4
660	3.8	145.6	0	139.2
670	3.8	144.2	13	139.7
680	5.0	142.8	1	140.2
690	6.8	141.4	13	141.0
700	6.9	140.0	2	142.4
710	5.7	138.6	13	143.7
720	4.3	137.1	4	144.8
730	4.1	135.7	13	145.6
740	5.0	134.2	5	145.8
750	7.2	132.7	13	146.9
760	8.4	131.3	6	148.5
770	7.9	129.8	13	150.1
780	6.6	128.2	8	151.4
790	5.2	126.7	13	152.8
800	4.6	125.2	9	153.6
810	5.7	123.6	14	154.4
820	6.6	122.1	0	155.2
830	6.4	120.5	14	156.5
840	5.3	118.9	2	157.6
850	3.9	117.4	14	158.4
860	3.7	115.8	3	159.2
870	4.5	114.2	14	159.4
880	5.4	112.6	5	160.0
890	6.0	111.0	14	160.7
900	5.7	109.4	6	161.5
910	4.6	107.7	14	162.3
920	4.3	106.1	7	163.4
930	4.1	104.5	14	163.7
940	3.7	102.8	9	164.2
950	3.5	101.2	15	164.5
960	3.4	99.5	0	164.7
970	3.3	97.9	15	164.7
980	3.1	96.2	2	165.0
990	2.8	94.6	15	165.3
1000	2.6	92.9	3	165.3
1010	2.4	91.3	15	165.3
1020	2.4	89.6	5	165.3

15

6

15

8

15

9

16

103	2.6	88.0	19	165.0
0	2.6	86.3	9	165.0
104	2.0	84.7	20	165.0
0	1.8	83.0	1	164.7
105	1.8	81.4	20	164.7
0	1.8	79.7	3	164.2
106	1.8	78.1	20	164.2
0	1.5	76.5	4	163.9
107	0.3	74.8	20	163.4
0	-3.1	73.2	6	162.3
108	-5.0	71.6	20	160.5
0	-3.9	70.0	8	158.1
109	-1.8	68.4	20	156.2
0	-1.9	66.9	9	154.9
110	-4.2	65.3	21	153.6
0	-7.3	63.8	1	151.2
111	-8.7	62.4	21	133.3
0	-4.9	61.0	3	120.5
112	2.3	59.8	21	119.0
0	16.1	58.9	4	87.5
113	33.4	58.2	21	76.9
0	35.5	57.6	6	50.5
114	19.7	57.1	21	44.1
0	3.0	56.7	7	34.0
115	-0.3	56.5	21	29.0
0	0.1	56.2	9	21.0
116	-6.0	56.1	22	18.1
0	-14.4	55.9	1	10.6
117	-19.7	55.9	22	7.1
0	-20.6	55.8	2	1.0
118	-18.0	55.8	22	-1.5
0	-14.9	55.9	4	-5.3
119	-11.9	56.0	22	-8.5
0	-11.3	56.1	5	-13.8
120	-14.0	56.2	22	-17.0
0	-18.0	56.4	6	-21.5
121	-22.2	56.6	22	-24.4
0	-24.7	56.9	8	-27.6
122	-24.8	57.3	22	-40.9
0	-22.5	57.7	9	-48.4
123	-18.8	58.2	22	-55.1
0	-15.9	58.8	9	-60.6
124	-14.8	59.3	23	-65.2
0	-15.9	60.0	0	-68.6
125	-17.6	60.6	23	-74.5
0	-19.5	61.4	0	-79.8
126	-20.7	62.1	23	-85.1
0	-21.4	62.9	1	-83.0
127	-20.7	63.8	23	-89.1
0	-19.4	64.7	1	-94.7
128	-18.2	65.7	23	-99.8
0	-17.1	66.8	1	-105.1
129	-16.4	67.9	23	-109.4
0	-16.5	69.0	1	-113.9
130			23	
0			2	
131			23	
0			2	
132			23	
0			2	
133			23	

157	-17.1	70.2	21	-118.2
0	-18.2	71.4	7	-122.7
158	-18.6	72.6	21	-127.5
0	-18.7	73.9	6	-132.3
159	-18.6	75.3	21	-137.3
0	-18.2	76.7	5	-142.1
160	-18.4	78.2	21	-146.6
0	-18.7	79.7	4	-151.4
161	-18.2	81.2	21	-156.0
0	-16.5	82.8	2	-160.7
162	-15.5	84.5	21	-164.7
0	-15.2	86.1	1	-168.5
163	-16.8	87.8	20	-172.2
0	-19.9	89.6	9	-174.1
164	-23.9	91.3	20	-174.6
0	-26.8	93.1	8	-175.1
165	-28.6	94.8	20	-174.9
0	-29.6	96.6	6	-175.1
166	-29.7	98.3	20	-175.1
0	-28.6	100.1	5	-175.1
167	-26.8	101.8	20	-175.1
0	-24.0	103.6	3	-174.9
168	-22.4	105.3	20	-174.6
0	-22.4	107.1	1	-174.9
169	-22.8	108.8	20	-174.6
0	-23.2	110.6	0	-174.6
170	-23.1	112.3	19	-174.6
0	-23.1	114.1	8	-174.3
171	-22.9	115.8	19	-174.6
0	-22.2	117.6	6	-174.9
172	-20.9	119.3	19	-174.3
0	-19.7	121.0	4	-174.1
173	-19.5	122.8	19	-174.6
0	-19.9	124.5	3	-174.1
174	-20.6	126.3	19	-174.3
0	-20.2	128.0	1	-174.6
175	-19.0	129.8	18	-174.3
0	-17.8	131.5	9	-174.3
176	-17.4	133.3	18	-174.1
0	-17.4	135.0	7	-173.8
177	-16.5	136.7	18	-174.1
0	-15.7	138.5	6	-173.8
178	-14.8	140.2	18	-174.1
0	-14.2	142.0	4	-173.8
179	-14.6	143.7	18	-173.8
0	-14.6	145.4	2	-173.8
180	-13.6	147.2	18	-174.1
0	-12.7	148.9	0	-173.5
181	-12.7	150.7	17	-173.8
0	-13.2	152.4	9	-173.8
182	-13.0	154.1	17	-173.5
0	-11.8	155.9	7	-173.5
183	-9.8	157.6	17	-173.5
0	-8.5	159.3	5	-173.3
184			17	
0			3	
185			17	
0			2	
186			17	
0			0	
187			16	

211	-8.7	161.1	126	-173.5
0	-9.1	162.8	125	-173.5
212	-8.5	164.5	123	-173.3
0	-7.6	166.3	121	-173.0
213	-6.9	168.0	119	-173.0
0	-6.2	169.7	118	-173.0
214	-5.3	171.5	116	-173.0
0	-4.2	173.2	114	-172.7
215	-2.8	174.9	113	-172.7
0	-2.0	176.6	111	-172.7
216	-1.8	178.4	109	-172.7
0	-1.8	180.1	107	-171.9
217	-1.6	181.8	106	-172.2
0	-1.8	183.5	104	-171.7
218	-1.6	185.3	102	-171.4
0	-0.9	187.0	100	-171.1
219	4.1	188.7	99	-169.5
0	9.4	190.3	97	-167.1
220	8.8	192.0	95	-163.7
0	2.4	193.5	94	-140.8
221	-3.8	194.8	93	-124.0
0	-27.0	195.9	92	-87.8
222	-57.8	196.7	91	-78.8
0	-64.5	197.3	90	-61.7
223	-43.7	197.9	90	-41.7
0	-12.7	198.2	89	-36.4
224	1.1	198.5	89	-24.4
0	6.0	198.7	89	-16.5
225	13.6	198.8	89	-13.5
0	11.7	198.9	89	-8.2
226	2.8	199.0	88	-7.7
0	-0.5	199.1	88	-6.9
227	0.0	199.2	88	-7.1
0	5.8	199.2	88	-4.7
228	12.7	199.2	88	-1.0
0	17.8	199.2	88	1.0
229	18.3	199.2	88	4.5
0	15.2	199.1	88	8.2
230	11.9	199.0	88	11.9
0	12.6	198.8	89	15.1
231	17.8	198.6	89	18.1
0	24.0	198.4	89	22.8
232	27.0	198.1	89	28.7
0	25.4	197.7	90	35.4
233	19.5	197.3	90	50.5
0	14.8	196.8	91	51.1
234	13.8	196.2	91	49.2
0	17.1	195.7	92	52.9
235	22.0	195.0	92	57.2
0	24.4	194.4	93	62.5
236	22.8	193.6	94	68.4
0	18.3	192.8	95	73.4
237	14.5	191.9	96	86.7
0	13.3	191.0	96	90.5
238				
0				
239				
0				
240				
0				
241				

265	15.1	190.1	97	94.2
0	18.4	189.1	98	98.5
266	19.4	188.1	99	103.5
0	18.4	187.0	100	108.6
267	14.5	185.9	102	113.4
0	12.1	184.7	103	116.8
268	12.6	183.5	104	120.0
0	15.6	182.3	105	123.5
269	17.9	181.1	106	127.7
0	17.2	179.7	108	132.5
270	14.8	178.4	109	137.1
0	11.8	177.0	110	140.5
271	9.6	175.6	112	143.2
0	10.3	174.1	113	145.6
272	12.3	172.6	115	148.0
0	14.0	171.1	116	150.9
273	14.2	169.6	118	154.1
0	12.7	168.0	119	157.3
274	10.2	166.4	121	160.2
0	8.3	164.8	123	162.6
275	8.0	163.2	124	164.2
0	9.2	161.5	126	165.8
276	10.6	159.9	128	167.9
0	10.4	158.2	129	170.1
277	8.8	156.4	131	172.5
0	7.2	154.7	133	174.1
278	6.8	152.9	135	175.4
0	8.3	151.2	136	176.7
279	9.8	149.4	138	178.1
0	11.0	147.6	140	178.6
280	11.1	145.8	142	179.1
0	10.3	144.0	143	179.1
281	9.5	142.2	145	179.1
0	8.8	140.5	147	179.1
282	8.7	138.7	149	179.4
0	9.2	136.9	151	179.4
283	10.0	135.1	152	179.4
0	10.8	133.3	154	179.7
284	10.4	131.5	156	179.7
0	9.6	129.7	158	179.7
285	8.9	127.9	160	179.4
0	8.1	126.1	161	179.4
286	8.1	124.3	163	179.4
0	8.4	122.5	165	179.4
287	8.4	120.7	167	179.7
0	8.5	118.9	169	179.4
288	8.5	117.1	170	179.7
0	8.8	115.3	172	179.4
289	8.5	113.5	174	179.7
0	7.9	111.7	176	179.7
290	7.5	109.9	178	179.4
0	7.1	108.1	179	179.7
291	6.9	106.3	181	179.4
0	6.6	104.5	183	179.7
292				
0				
293				
0				
294				
0				
295				

319	5.6	102.7	18	179.7
0	4.2	100.9	5	179.4
320	3.3	99.2	18	179.4
0	2.7	97.4	7	179.4
321	2.4	95.6	18	179.1
0	2.3	93.8	8	179.1
322	2.3	92.0	19	179.4
0	2.0	90.2	0	179.1
323	2.2	88.4	19	178.9
0	2.2	86.6	2	178.6
324	1.9	84.8	19	178.6
0	1.8	83.0	4	178.3
325	1.8	81.3	19	178.1
0	1.8	79.5	5	176.5
326	1.8	77.7	19	174.9
0	1.5	76.0	7	174.6
327	0.0	74.2	19	174.1
0	-5.8	72.5	9	172.5
328	-9.5	70.8	20	169.5
0	-8.4	69.1	1	166.1
329	-5.3	67.5	20	163.1
0	-3.5	65.9	3	160.7
330	-4.7	64.3	20	159.2
0	-7.7	62.7	4	156.5
331	-9.2	61.3	20	132.5
0	3.1	60.0	6	129.9
332	13.2	59.0	20	94.2
0	32.5	58.2	8	74.8
333	36.6	57.6	21	53.2
0	22.1	57.1	0	46.3
334	1.2	56.7	21	34.8
0	-1.8	56.4	1	29.0
335	-3.5	56.2	21	20.2
0	-12.5	56.1	3	14.9
336	-19.4	56.0	21	9.0
0	-18.6	55.9	5	4.7
337	-17.5	55.9	21	-0.7
0	-18.0	55.9	7	-2.6
338	-18.8	56.0	21	-7.9
0	-16.8	56.1	8	-11.4
339	-13.6	56.2	22	-14.9
0	-11.3	56.4	0	-22.0
340	-13.7	56.7	22	-25.0
0	-19.5	56.9	2	-29.5
341	-24.7	57.2	22	-32.4
0	-26.3	57.6	3	-35.1
342	-23.7	58.0	22	-41.5
0	-19.1	58.5	5	-47.1
343	-16.4	59.1	22	-51.6
0	-17.2	59.7	6	-55.6
344	-19.4	60.4	22	-59.9
0	-20.9	61.1	7	-64.6
345	-20.9	61.8	22	-69.7
0	-20.6	62.7	8	-82.7
346			22	
0			9	
347			23	
0			0	
348			23	
0			0	
349			22	

373	-20.9	63.6	22	-88.9
0	-21.7	64.5	4	-94.7
374	-22.8	65.5	22	-100.3
0	-22.2	66.5	3	-107.0
375	-20.6	67.7	22	-112.6
0	-19.7	68.8	2	-118.2
376	-20.1	70.0	22	-123.5
0	-21.7	71.3	1	-129.1
377	-22.9	72.7	22	-135.2
0	-22.6	74.1	0	-140.8
378	-20.5	75.5	21	-146.9
0	-19.4	77.0	9	-152.2
379	-19.7	78.6	21	-157.0
0	-21.2	80.2	7	-162.6
380	-21.3	81.9	21	-167.7
0	-19.4	83.6	6	-173.3
381	-18.3	85.3	21	-174.3
0	-21.2	87.1	5	-174.3
382	-25.4	88.8	21	-174.9
0	-28.1	90.6	3	-175.1
383	-27.7	92.3	21	-175.1
0	-26.2	94.1	2	-175.1
384	-25.8	95.8	21	-174.6
0	-27.1	97.6	0	-174.9
385	-28.1	99.3	20	-175.1
0	-27.5	101.1	9	-175.4
386	-25.5	102.8	20	-174.9
0	-22.9	104.6	7	-174.9
387	-21.3	106.3	20	-174.6
0	-21.6	108.1	6	-174.6
388	-21.7	109.8	20	-174.9
0	-22.1	111.6	4	-174.6
389	-22.1	113.3	20	-174.6
0	-22.1	115.1	2	-174.6
390	-22.1	116.8	20	-174.6
0	-21.3	118.5	0	-174.6
391	-20.9	120.3	19	-174.3
0	-20.6	122.0	9	-174.3
392	-21.2	123.8	19	-174.6
0	-22.2	125.5	7	-174.9
393	-22.8	127.3	19	-174.6
0	-22.2	129.0	5	-174.9
394	-21.3	130.8	19	-174.6
0	-21.2	132.5	3	-174.6
395	-21.3	134.3	19	-174.6
0	-21.2	136.0	2	-174.6
396	-20.1	137.8	19	-174.3
0	-18.7	139.5	0	-174.3
397	-17.8	141.2	18	-174.3
0	-17.8	143.0	8	-174.1
398	-17.9	144.7	18	-174.3
0	-17.6	146.5	6	-174.6
399	-16.4	148.2	18	-174.1
0	-16.4	150.0	5	-174.3
400			18	
0			3	
401			18	
0			1	
402			17	
0			9	
403			17	

427	-16.8	151.7	136	-174.1
0	-16.8	153.4	134	-174.1
428	-15.6	155.2	132	-174.1
0	-13.3	156.9	131	-174.1
429	-11.7	158.7	129	-173.8
0	-11.8	160.4	127	-173.8
430	-12.6	162.1	125	-173.8
0	-11.9	163.9	124	-173.5
431	-10.7	165.6	122	-173.8
0	-8.5	167.4	120	-173.5
432	-6.9	169.1	118	-173.3
0	-5.4	170.8	117	-173.5
433	-4.3	172.6	115	-173.0
0	-3.3	174.3	113	-173.0
434	-2.6	176.0	111	-173.0
0	-2.0	177.7	110	-172.5
435	-1.8	179.5	108	-172.7
0	-1.8	181.2	106	-172.2
436	-1.8	182.9	105	-171.7
0	-1.6	184.6	103	-171.7
437	-1.4	186.3	101	-171.4
0	3.3	188.1	99	-170.3
438	10.3	189.7	98	-167.9
0	12.3	191.4	96	-163.7
439	7.2	193.0	94	-159.7
0	-3.3	194.3	93	-134.4
440	-23.3	195.5	92	-94.5
0	-52.7	196.4	91	-84.1
441	-63.1	197.1	90	-73.2
0	-47.3	197.6	90	-51.9
442	-20.1	198.1	89	-41.7
0	2.7	198.3	89	-27.4
443	1.9	198.6	89	-18.3
0	7.9	198.7	89	-17.0
444	8.4	198.9	89	-11.1
0	2.7	199.0	88	-7.7
445	-1.6	199.0	88	-8.5
0	-0.7	199.1	88	-6.1
446	0.0	199.2	88	-5.8
0	3.1	199.2	88	-3.7
447	10.4	199.2	88	-1.3
0	16.5	199.2	88	0.2
448	18.7	199.2	88	3.9
0	15.9	199.1	88	7.9
449	11.8	199.0	88	11.7
0	10.7	198.8	89	14.6
450	14.2	198.7	89	17.3
0	19.9	198.4	89	21.0
451	23.3	198.2	89	25.8
0	22.1	197.8	90	31.6
452	17.2	197.4	90	45.2
0	13.4	197.0	90	45.5
453	12.9	196.5	91	44.1
0	16.8	196.0	91	47.3
454				
0				
455				
0				
456				
0				
457				

481	22.0	195.4	92	51.3
0	24.7	194.8	93	57.2
482	23.2	194.1	93	62.8
0	19.4	193.4	94	68.1
483	16.0	192.6	95	72.6
0	15.6	191.7	96	85.1
484	17.8	190.8	97	89.4
0	20.5	189.9	98	93.9
485	21.2	188.9	99	99.5
0	19.5	187.9	100	105.4
486	15.9	186.8	101	110.7
0	13.6	185.6	102	114.7
487	14.1	184.5	103	118.4
0	17.0	183.3	104	122.1
488	19.3	182.0	105	126.7
0	18.4	180.7	107	131.5
489	15.5	179.3	108	136.3
0	13.2	177.9	110	140.5
490	11.9	176.5	111	143.4
0	13.3	175.1	112	146.4
491	15.5	173.6	114	149.8
0	17.0	172.0	115	153.6
492	15.5	170.5	117	158.1
0	12.7	168.9	119	161.8
493	10.6	167.2	120	164.7
0	9.4	165.6	122	167.1
494	10.0	163.9	124	169.3
0	11.1	162.2	125	171.4
495	12.2	160.4	127	174.1
0	11.9	158.7	129	176.7
496	10.8	156.9	131	178.3
0	11.3	155.1	132	178.9
497	13.0	153.3	134	179.4
0	15.2	151.5	136	179.1
498	16.1	149.7	138	179.4
0	15.3	147.9	140	179.7
499	13.3	146.1	141	179.4
0	11.0	144.3	143	179.4
500	10.3	142.5	145	179.4
0	10.6	140.7	147	179.4
501	11.3	139.0	148	179.4
0	11.4	137.2	150	179.7
502	11.1	135.4	152	179.7
0	10.6	133.6	154	179.4
503	9.9	131.8	156	179.7
0	9.5	130.0	157	179.4
504	9.9	128.2	159	179.7
0	10.0	126.4	161	179.7
505	10.6	124.6	163	179.7
0	10.7	122.8	165	179.9
506	10.2	121.0	166	179.4
0	9.4	119.2	168	179.7
507	8.8	117.4	170	179.7
0	8.3	115.6	172	179.7
508				
0				
509				
0				
510				
0				
511				

535	8.0	113.8	17	179.4
0	7.1	112.0	4	179.4
536	6.1	110.2	17	179.4
0	5.2	108.4	5	179.4
537	4.6	106.6	17	179.4
0	4.3	104.8	7	179.4
538	4.2	103.0	17	179.4
0	3.7	101.2	9	179.4
539	3.3	99.4	18	179.1
0	3.3	97.7	1	179.7
540	3.0	95.9	18	179.7
0	2.6	94.1	3	179.4
541	2.3	92.3	18	179.7
0	2.0	90.5	4	179.4
542	1.9	88.7	18	179.1
0	1.9	86.9	6	178.9
543	1.8	85.1	18	178.6
0	1.8	83.3	8	178.3
544	1.8	81.5	19	177.8
0	1.8	79.8	0	175.9
545	1.6	78.0	19	174.6
0	0.7	76.3	2	174.3
546	-2.2	74.5	19	173.5
0	-4.2	72.8	3	171.9
547	-3.7	71.1	19	170.1
0	-2.3	69.4	5	168.5
548	-2.3	67.7	19	166.9
0	-3.5	66.1	7	165.0
549	-5.2	64.5	19	163.4
0	-6.1	62.8	9	161.0
550	-5.6	61.3	20	138.4
0	2.8	60.0	1	135.2
551	21.2	59.0	20	97.1
0	43.4	58.2	2	76.6
552	45.8	57.5	20	54.0
0	28.6	57.0	4	46.3
553	6.6	56.7	20	34.3
0	-0.9	56.4	6	23.4
554	0.0	56.2	20	20.2
0	-3.7	56.0	8	17.0
555	-9.9	55.9	20	11.4
0	-14.5	55.8	9	8.2
556	-17.8	55.8	21	3.1
0	-18.3	55.8	1	-1.0
557	-17.6	55.8	21	-4.7
0	-14.2	55.9	3	-9.5
558	-11.8	56.0	21	-13.8
0	-11.9	56.1	5	-17.3
559	-16.1	56.3	21	-20.7
0	-21.2	56.5	6	-23.4
560	-24.8	56.8	21	-26.3
0	-24.7	57.2	8	-39.6
561	-21.6	57.6	22	-46.8
0	-18.0	58.0	0	-53.5
562			22	
0			1	
563			22	
0			3	
564			22	
0			5	
565			22	

589	-16.1	58.6	22	-58.8
0	-16.5	59.1	9	-57.5
590	-18.3	59.7	22	-55.9
0	-19.5	60.4	8	-60.1
591	-19.9	61.1	22	-65.2
0	-20.5	61.8	8	-69.7
592	-21.0	62.7	22	-82.7
0	-21.0	63.6	7	-88.9
593	-19.8	64.5	22	-94.7
0	-18.2	65.5	6	-99.8
594	-16.8	66.5	22	-105.1
0	-16.5	67.6	6	-109.4
595	-17.8	68.7	22	-113.9
0	-18.8	69.9	5	-118.7
596	-18.7	71.1	22	-123.2
0	-17.8	72.4	4	-128.5
597	-16.4	73.7	22	-132.8
0	-15.5	75.1	3	-137.3
598	-16.4	76.5	22	-141.0
0	-17.8	77.9	2	-145.3
599	-18.8	79.4	22	-150.1
0	-17.5	81.0	1	-154.6
600	-15.2	82.5	22	-159.2
0	-13.4	84.2	0	-162.6
601	-13.6	85.8	21	-166.1
0	-15.9	87.5	9	-169.5
602	-17.9	89.2	21	-173.5
0	-19.9	91.0	8	-174.6
603	-22.1	92.7	21	-174.6
0	-24.1	94.5	6	-174.9
604	-26.6	96.2	21	-175.1
0	-28.2	98.0	5	-174.9
605	-27.9	99.7	21	-175.4
0	-26.6	101.5	4	-175.1
606	-25.2	103.2	21	-174.9
0	-24.7	105.0	2	-175.1
607	-25.6	106.7	21	-174.9
0	-27.0	108.5	1	-174.9
608	-27.3	110.2	21	-175.1
0	-27.1	112.0	0	-175.4
609	-27.0	113.7	20	-174.9
0	-27.1	115.5	8	-175.1
610	-27.3	117.2	20	-175.1
0	-27.1	119.0	6	-175.1
611	-26.6	120.7	20	-174.9
0	-26.3	122.5	5	-175.1
612	-26.4	124.2	20	-175.1
0	-26.4	126.0	3	-175.4
613	-26.0	127.8	20	-175.1
0	-24.7	129.5	2	-175.1
614	-23.6	131.3	20	-175.1
0	-23.6	133.0	0	-174.9
615	-24.0	134.8	19	-174.9
0	-23.7	136.5	8	-175.1
616			19	
0			6	
617			19	
0			5	
618			19	
0			3	
619			19	

643	-22.9	138.3	149	-174.9
0	-22.0	140.0	147	-174.9
644	-21.3	141.7	146	-174.9
0	-21.6	143.5	144	-174.9
645	-21.8	145.2	142	-175.1
0	-20.7	147.0	140	-175.1
646	-19.9	148.7	139	-174.3
0	-19.9	150.5	137	-174.6
647	-19.8	152.2	135	-174.6
0	-19.5	154.0	133	-174.6
648	-18.6	155.7	132	-174.6
0	-17.2	157.5	130	-174.3
649	-16.8	159.2	128	-174.1
0	-17.8	161.0	126	-174.3
650	-18.6	162.7	125	-174.6
0	-18.6	164.4	123	-174.3
651	-17.8	166.2	121	-174.3
0	-16.4	167.9	120	-174.3
652	-15.2	169.7	118	-173.8
0	-13.8	171.4	116	-174.1
653	-11.9	173.2	114	-174.1
0	-10.3	174.9	113	-173.5
654	-8.8	176.6	111	-173.5
0	-6.8	178.4	109	-173.5
655	-5.2	180.1	107	-173.0
0	-3.3	181.8	106	-173.0
656	-1.9	183.6	104	-172.7
0	-1.6	185.3	102	-172.5
657	-1.6	187.0	100	-172.5
0	-1.6	188.7	99	-171.7
658	-0.9	190.5	97	-171.4
0	5.7	192.2	95	-170.6
659	10.2	193.7	94	-142.4
0	-4.1	195.1	92	-135.5
660	-27.0	196.1	91	-85.9
0	-57.1	196.9	91	-75.6
661	-65.2	197.5	90	-64.9
0	-45.0	198.0	89	-45.2
662	-15.1	198.4	89	-35.1
0	1.8	198.6	89	-22.3
663	11.9	198.8	89	-17.8
0	22.4	198.9	89	-10.9
664	19.1	199.0	88	-5.8
0	5.8	199.0	88	-1.8
665	-0.8	199.0	88	-1.3
0	-0.3	199.0	88	-2.1
666	3.8	199.0	88	-1.3
0	15.3	199.0	88	0.5
667	24.5	199.0	88	3.4
0	26.7	198.9	89	8.7
668	21.6	198.8	89	14.6
0	14.1	198.6	89	19.9
669	11.3	198.3	89	23.1
0	15.7	198.1	89	26.3
670				
0				
671				
0				
672				
0				
673				

697	24.3	197.7	90	30.6
0	30.4	197.3	90	36.4
698	29.8	196.9	91	44.1
0	23.1	196.3	91	51.3
699	15.2	195.7	92	68.9
0	12.2	195.0	92	73.7
700	15.7	194.3	93	77.2
0	23.1	193.6	94	81.9
701	27.9	192.8	95	88.9
0	26.7	191.9	96	88.3
702	19.9	191.0	96	95.8
0	14.1	190.0	97	101.1
703	12.3	189.0	98	104.8
0	17.0	187.9	100	108.6
704	21.8	186.8	101	112.8
0	24.1	185.6	102	119.2
705	21.2	184.3	103	125.6
0	16.0	183.1	104	130.9
706	12.2	181.7	106	134.9
0	11.9	180.3	107	137.9
707	15.6	178.9	109	141.0
0	20.7	177.5	110	145.3
708	21.0	176.0	111	150.6
0	16.5	174.5	113	155.7
709	10.8	172.9	115	159.7
0	7.6	171.2	116	162.3
710	8.8	169.6	118	163.9
0	14.0	168.0	119	165.8
711	17.5	166.3	121	169.0
0	17.2	164.6	123	173.3
712	12.6	162.8	125	177.0
0	8.8	161.0	126	178.3
713	8.4	159.2	128	178.6
0	10.7	157.4	130	178.9
714	14.5	155.6	132	179.7
0	16.8	153.8	134	179.7
715	16.8	152.0	135	179.7
0	14.9	150.2	137	179.4
716	12.1	148.4	139	179.4
0	11.0	146.7	141	179.1
717	10.8	144.9	143	179.4
0	12.3	143.1	144	179.4
718	14.0	141.3	146	179.7
0	14.0	139.5	148	179.7
719	12.1	137.7	150	179.7
0	9.9	135.9	152	179.4
720	9.4	134.1	153	179.4
0	10.7	132.3	155	179.7
721	12.6	130.5	157	179.4
0	14.4	128.7	159	179.7
722	14.0	126.9	161	179.9
0	12.3	125.1	162	179.7
723	10.8	123.3	164	179.9
0	9.8	121.5	166	179.7
724				
0				
725				
0				
726				
0				
727				

751	9.4	119.7	16	179.4
0	10.4	117.9	8	179.7
752	11.9	116.1	17	179.7
0	12.9	114.3	0	179.9
753	12.9	112.5	17	179.9
0	12.3	110.7	1	179.4
754	12.1	108.9	17	179.9
0	12.2	107.1	3	179.7
755	13.0	105.3	17	179.7
0	12.7	103.5	5	179.7
756	11.9	101.7	17	179.7
0	10.7	99.9	7	179.7
757	9.8	98.1	17	179.4
0	9.8	96.3	9	179.4
758	9.5	94.5	18	179.7
0	8.9	92.8	0	179.4
759	8.5	91.0	18	179.4
0	7.7	89.2	2	179.4
760	7.6	87.4	18	179.7
0	7.1	85.6	4	179.4
761	5.7	83.8	18	179.7
0	4.2	82.0	6	179.4
762	3.0	80.2	18	179.1
0	2.3	78.4	8	179.4
763	1.9	76.6	18	179.1
0	1.9	74.8	9	178.9
764	1.8	73.0	19	178.9
0	1.6	71.2	1	178.6
765	1.4	69.5	19	178.1
0	-1.2	67.7	3	177.3
766	-5.4	65.9	19	173.5
0	-5.6	64.2	5	170.6
767	-3.1	62.5	19	168.5
0	1.5	61.0	6	158.1
768	4.5	59.7	19	109.4
0	27.0	58.7	8	95.3
769	46.8	57.9	20	66.5
0	43.1	57.3	0	57.5
770	22.4	56.8	20	42.5
0	1.2	56.4	2	34.0
771	-0.7	56.2	20	22.6
0	0.7	56.0	4	17.5
772	0.0	55.9	20	14.3
0	-0.4	55.8	5	10.3
773	-3.5	55.7	20	8.5
0	-18.6	55.6	7	3.9
774	-30.1	55.6	20	-1.5
0	-28.2	55.7	9	-7.1
775	-15.2	55.8	21	-13.0
0	-4.3	56.0	1	-16.5
776	-5.4	56.2	21	-19.4
0	-17.1	56.4	3	-19.4
777	-29.0	56.7	21	-29.0
0	-30.0	57.0	4	-37.8
778			21	
0			6	
779			21	
0			8	
780			22	
0			0	
781			22	

805	-22.4	57.4	23	-46.0
0	-15.2	57.9	0	-52.9
806	-15.5	58.4	23	-57.5
0	-20.5	58.9	0	-56.4
807	-24.8	59.5	22	-55.6
0	-23.3	60.2	9	-61.7
808	-17.5	60.9	22	-67.0
0	-13.8	61.7	9	-71.0
809	-16.4	62.5	22	-82.5
0	-21.4	63.4	8	-87.3
810	-23.6	64.3	22	-93.7
0	-21.4	65.3	7	-99.8
811	-17.0	66.3	22	-105.6
0	-14.5	67.4	7	-109.9
812	-16.1	68.6	22	-113.9
0	-19.9	69.7	6	-118.2
813	-22.0	71.0	22	-123.5
0	-19.9	72.2	5	-129.6
814	-16.0	73.6	22	-134.7
0	-14.1	74.9	4	-138.9
815	-16.1	76.4	22	-142.1
0	-20.3	77.8	3	-146.6
816	-22.6	79.3	22	-152.0
0	-20.6	80.9	2	-157.8
817	-16.5	82.5	22	-162.9
0	-13.3	84.2	1	-166.6
818	-14.2	85.9	22	-170.1
0	-18.3	87.6	0	-173.5
819	-23.3	89.3	21	-174.9
0	-26.7	91.1	9	-175.4
820	-27.5	92.8	21	-175.4
0	-27.1	94.6	8	-175.1
821	-27.9	96.3	21	-175.1
0	-30.1	98.1	6	-175.4
822	-31.5	99.9	21	-175.7
0	-31.2	101.6	5	-175.9
823	-29.2	103.4	21	-175.4
0	-27.3	105.1	4	-175.1
824	-27.1	106.9	21	-175.4
0	-28.6	108.6	3	-175.4
825	-30.2	110.4	21	-175.4
0	-31.9	112.1	1	-175.7
826	-32.8	113.9	21	-175.4
0	-32.8	115.7	0	-175.7
827	-31.9	117.4	20	-175.9
0	-29.8	119.2	8	-175.7
828	-28.1	120.9	20	-175.4
0	-27.4	122.7	7	-175.4
829	-27.4	124.4	20	-175.1
0	-27.5	126.2	5	-175.4
830	-26.8	127.9	20	-175.4
0	-25.4	129.7	3	-174.9
831	-23.9	131.4	20	-175.1
0	-23.7	133.2	2	-174.9
832			20	
0			0	
833			19	
0			8	
834			19	
0			6	
835			19	

859	-24.3	134.9	153	-174.9
0	-24.3	136.7	151	-175.1
860	-23.7	138.4	149	-174.9
0	-23.1	140.2	147	-174.9
861	-22.4	141.9	146	-174.9
0	-22.5	143.7	144	-174.9
862	-22.1	145.4	142	-174.9
0	-20.7	147.2	140	-174.9
863	-19.8	148.9	139	-174.6
0	-19.8	150.7	137	-174.6
864	-20.3	152.4	135	-174.9
0	-20.1	154.2	133	-174.6
865	-18.7	155.9	132	-174.6
0	-16.5	157.7	130	-174.3
866	-14.9	159.4	128	-174.1
0	-15.2	161.2	126	-174.1
867	-15.3	162.9	125	-174.3
0	-15.1	164.6	123	-174.3
868	-14.0	166.4	121	-173.8
0	-13.2	168.1	119	-174.1
869	-12.2	169.9	118	-173.5
0	-11.0	171.6	116	-173.8
870	-9.5	173.3	114	-173.8
0	-7.7	175.1	112	-173.5
871	-6.6	176.8	111	-173.5
0	-5.2	178.5	109	-173.3
872	-4.3	180.3	107	-173.0
0	-3.0	182.0	105	-173.3
873	-2.0	183.7	104	-173.0
0	-1.9	185.5	102	-172.5
874	-1.8	187.2	100	-172.5
0	-1.6	188.9	99	-171.9
875	-1.6	190.6	97	-171.7
0	-0.8	192.3	95	-171.4
876	1.5	194.0	93	-174.1
0	-3.1	195.2	92	-121.3
877	-24.5	196.3	91	-102.2
0	-53.6	197.0	90	-73.2
878	-60.7	197.6	90	-56.9
0	-40.5	198.1	89	-46.5
879	-11.3	198.4	89	-30.3
0	1.2	198.6	89	-18.9
880	10.8	198.8	89	-16.5
0	24.4	198.9	89	-9.3
881	23.1	199.0	88	-2.3
0	9.8	198.9	89	0.2
882	0.8	198.9	89	0.2
0	0.8	198.9	89	0.0
883	8.9	198.9	89	1.5
0	21.2	198.9	89	4.2
884	27.8	198.8	89	9.3
0	25.4	198.6	89	19.7
885	17.8	198.4	89	26.8
0	12.3	198.1	89	32.4
886				
0				
887				
0				
888				
0				
889				

913	14.0	197.8	90	33.0
0	22.9	197.4	90	40.9
914	31.5	197.0	90	47.9
0	33.5	196.5	91	57.2
915	28.3	196.0	91	60.6
0	19.5	195.3	92	61.2
916	12.6	194.6	93	66.8
0	12.1	193.8	94	68.6
917	18.3	193.0	94	71.8
0	25.9	192.2	95	85.1
918	27.7	191.2	96	92.6
0	23.1	190.3	97	100.0
919	16.0	189.2	98	106.2
0	11.9	188.1	99	110.4
920	14.1	187.0	100	113.4
0	19.1	185.8	102	117.4
921	22.6	184.6	103	122.4
0	21.8	183.3	104	128.5
922	16.8	182.0	105	134.1
0	11.0	180.6	107	138.1
923	9.4	179.2	108	141.0
0	13.7	177.8	110	143.4
924	18.8	176.3	111	147.2
0	21.8	174.8	113	152.2
925	19.7	173.3	114	157.6
0	13.7	171.7	116	162.3
926	8.4	170.0	117	165.3
0	8.5	168.4	119	167.1
927	12.7	166.7	121	169.3
0	17.1	165.0	122	172.5
928	18.0	163.2	124	176.2
0	15.6	161.4	126	178.9
929	13.2	159.6	128	178.9
0	11.7	157.8	130	178.9
930	11.5	156.0	131	179.4
0	12.6	154.2	133	179.4
931	14.2	152.4	135	179.7
0	14.8	150.7	137	179.4
932	13.6	148.9	139	179.4
0	11.9	147.1	140	179.4
933	10.6	145.3	142	179.4
0	10.4	143.5	144	179.4
934	11.9	141.7	146	179.4
0	13.6	139.9	148	179.7
935	13.7	138.1	149	179.9
0	13.4	136.3	151	179.7
936	12.5	134.5	153	179.7
0	11.9	132.7	155	179.7
937	11.0	130.9	157	179.4
0	10.3	129.1	158	179.7
938	9.5	127.3	160	179.4
0	8.3	125.5	162	179.7
939	8.1	123.7	164	179.7
0	8.1	121.9	166	179.4
940				
0				
941				
0				
942				
0				
943				

9670	8.1	120.1	16	179.4
9680	8.8	118.3	7	179.7
9690	10.3	116.5	16	179.7
9700	11.7	114.7	9	179.7
9710	12.2	112.9	17	179.7
9720	12.2	111.1	1	179.7
9730	11.5	109.3	17	179.7
9740	10.6	107.5	3	179.9
9750	10.4	105.7	17	179.7
9760	9.5	103.9	5	179.7
9770	7.7	102.2	17	179.4
9780	6.1	100.4	6	179.7
9790	5.0	98.6	17	179.1
9800	5.2	96.8	8	179.1
9810	5.0	95.0	18	179.7
9820	4.7	93.2	0	179.4
9830	4.6	91.4	18	179.4
9840	3.9	89.6	2	179.4
9850	3.7	87.8	18	179.4
9860	3.0	86.0	4	179.7
9870	2.0	84.2	18	179.4
9880	1.8	82.4	5	179.1
9890	1.8	80.6	18	179.1
9900	1.6	78.8	7	178.6
9910	0.5	77.1	18	178.3
9920	-4.5	75.3	9	175.7
9930	-7.7	73.6	19	172.2
9940	-6.1	71.9	1	169.0
9950	-2.4	70.2	19	166.6
9960	-1.8	68.5	2	165.0
9970	-4.7	66.9	19	163.1
9980	-8.8	65.3	4	160.7
9990	-10.7	63.7	19	157.3
10000	-9.5	62.2	6	138.1
10010	-0.9	60.8	19	122.1
10020	3.5	59.6	8	108.8
10030	17.4	58.7	20	77.4
10040	34.0	58.0	0	69.2
10050	34.2	57.4	20	55.1
10060	17.0	57.0	1	37.8
10070	1.4	56.6	20	31.9
10080	-0.1	56.3	3	27.1
10090	-0.1	56.1	20	19.4
10100	-5.4	56.0	5	14.9
10110	-16.8	55.9	20	9.3
10120	-26.0	55.8	7	4.7
10130	-28.3	55.8	20	-2.1
10140	-24.7	55.9	9	-8.5
10150	-16.5	56.0	21	-15.4
10160	-10.4	56.2	0	-18.3
10170	-9.2	56.4	21	-18.9
10180	-13.3	56.6	2	-21.5
10190	-18.6	56.9	21	-30.6
10200	-20.6	57.2	4	-32.4

21

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21

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21

9

22

1021	-19.8	57.6	23	-34.3
0	-18.3	58.0	0	-39.1
1022	-18.3	58.4	22	-43.6
0	-19.7	59.0	9	-48.1
1023	-20.5	59.6	22	-64.4
0	-18.7	60.2	9	-70.2
1024	-15.9	60.9	22	-75.8
0	-14.4	61.6	8	-80.3
1025	-16.0	62.4	22	-84.6
0	-19.0	63.2	8	-81.4
1026	-20.3	64.0	22	-87.0
0	-19.4	64.9	7	-91.8
1027	-17.4	65.9	22	-97.1
0	-15.9	66.9	7	-101.9
1028	-16.8	67.9	22	-106.2
0	-19.0	69.0	6	-111.0
1029	-20.6	70.2	22	-116.0
0	-20.9	71.4	5	-121.6
1030	-20.2	72.6	22	-127.2
0	-19.9	74.0	4	-132.3
1031	-21.0	75.3	22	-137.9
0	-22.5	76.7	3	-143.2
1032	-24.3	78.2	22	-149.6
0	-24.4	79.8	3	-156.0
1033	-22.5	81.4	22	-162.1
0	-20.2	83.0	2	-168.2
1034	-19.1	84.8	22	-173.0
0	-21.6	86.5	1	-174.6
1035	-26.8	88.3	22	-174.9
0	-31.1	90.0	0	-175.4
1036	-31.7	91.8	21	-175.7
0	-30.0	93.5	8	-175.9
1037	-28.3	95.3	21	-175.1
0	-28.5	97.0	7	-175.4
1038	-29.8	98.8	21	-175.4
0	-30.4	100.5	6	-175.4
1039	-29.4	102.3	21	-175.7
0	-27.5	104.1	5	-175.4
1040	-26.2	105.8	21	-175.1
0	-26.4	107.6	3	-175.1
1041	-27.5	109.3	21	-175.4
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1042	-28.9	112.8	21	-175.4
0	-29.3	114.6	1	-175.7
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1044	-26.4	119.8	20	-175.4
0	-25.2	121.6	8	-175.1
1045	-25.1	123.3	20	-175.1
0	-25.4	125.1	6	-175.1
1046	-25.8	126.9	20	-175.1
0	-25.1	128.6	4	-175.1
1047	-23.9	130.4	20	-174.9
0	-23.5	132.1	3	-174.9
1048			20	
0			1	
1049			19	
0			9	
1050			19	
0			7	
1051			10	

1075	-23.6	133.9	154	-175.1
0	-23.6	135.6	152	-174.9
1076	-22.9	137.4	150	-174.9
0	-22.1	139.1	148	-175.1
1077	-21.3	140.9	147	-174.6
0	-21.4	142.6	145	-174.9
1078	-21.7	144.4	143	-174.9
0	-21.0	146.1	141	-174.9
1079	-19.7	147.9	140	-174.6
0	-19.0	149.6	138	-174.6
1080	-19.3	151.3	136	-174.3
0	-19.3	153.1	134	-174.3
1081	-18.8	154.8	133	-174.6
0	-17.1	156.6	131	-174.3
1082	-15.5	158.3	129	-174.3
0	-15.1	160.1	127	-174.3
1083	-15.7	161.8	126	-174.1
0	-15.9	163.6	124	-174.3
1084	-14.9	165.3	122	-174.3
0	-13.7	167.0	120	-174.1
1085	-12.9	168.8	119	-173.8
0	-12.7	170.5	117	-174.1
1086	-12.3	172.3	115	-173.8
0	-11.3	174.0	113	-174.1
1087	-10.0	175.7	112	-173.8
0	-8.0	177.5	110	-173.5
1088	-6.5	179.2	108	-173.5
0	-4.7	180.9	107	-173.3
1089	-4.1	182.7	105	-173.3
0	-3.3	184.4	103	-173.3
1090	-3.1	186.1	101	-173.0
0	-2.2	187.9	100	-172.7
1091	-1.6	189.6	98	-172.7
0	-1.6	191.3	96	-172.5
1092	-1.6	193.0	94	-154.9
0	-2.6	194.5	93	-128.5
1093	-21.0	195.7	92	-109.6
0	-50.4	196.6	91	-76.4
1094	-62.4	197.3	90	-66.5
0	-51.7	197.8	90	-50.5
1095	-26.2	198.2	89	-32.7
0	2.2	198.5	89	-27.9
1096	1.6	198.7	89	-18.3
0	5.4	198.9	89	-11.9
1097	8.5	199.0	88	-8.7
0	3.9	199.0	88	-5.5
1098	-2.2	199.1	88	-5.8
0	-0.5	199.2	88	-5.3
1099	-0.1	199.2	88	-5.0
0	2.7	199.2	88	-3.1
1100	10.7	199.3	88	-0.5
0	19.4	199.2	88	1.5
1101	21.4	199.2	88	5.8
0	17.1	199.1	88	11.7
1102				
0				
1103				
0				
1104				
0				
1105				

1129	11.4	198.9	89	14.9
0	10.2	198.7	89	17.3
1130	15.5	198.5	89	19.9
0	23.5	198.3	89	24.2
1131	28.6	198.0	89	30.0
0	27.7	197.6	90	37.0
1132	20.7	197.1	90	53.2
0	14.8	196.6	91	53.7
1133	13.3	196.0	91	51.9
0	17.4	195.4	92	55.3
1134	23.7	194.8	93	59.6
0	27.5	194.0	93	65.7
1135	26.0	193.3	94	72.1
0	20.1	192.4	95	87.0
1136	14.4	191.5	96	92.6
0	12.5	190.5	97	96.1
1137	15.9	189.5	98	99.5
0	20.5	188.5	99	103.8
1138	23.5	187.4	100	109.1
0	21.2	186.3	101	115.8
1139	15.9	185.1	102	121.3
0	12.1	183.8	104	125.3
1140	12.5	182.5	105	128.5
0	16.1	181.2	106	131.5
1141	19.4	179.9	108	135.7
0	20.2	178.5	109	141.0
1142	17.9	177.0	110	146.4
0	13.4	175.5	112	150.6
1143	10.7	174.0	113	153.8
0	11.1	172.5	115	156.0
1144	13.6	170.9	117	158.9
0	16.8	169.3	118	162.3
1145	17.6	167.6	120	166.3
0	15.3	165.9	122	170.6
1146	11.1	164.2	123	174.1
0	7.7	162.4	125	176.2
1147	7.6	160.6	127	177.8
0	9.9	158.9	129	178.9
1148	12.3	157.1	130	179.1
0	14.1	155.3	132	179.4
1149	14.0	153.5	134	179.4
0	12.7	151.7	136	179.4
1150	11.5	149.9	138	179.4
0	11.1	148.1	139	179.1
1151	11.1	146.3	141	179.7
0	11.5	144.5	143	179.1
1152	11.9	142.7	145	179.4
0	11.5	140.9	147	179.4
1153	10.3	139.1	148	179.7
0	9.4	137.3	150	179.4
1154	8.5	135.5	152	179.4
0	8.9	133.7	154	179.4
1155	9.8	131.9	156	179.4
0	10.2	130.1	157	179.4
1156				
0				
1157				
0				
1158				
0				
1159				

1183	10.6	128.3	15	179.7
0	9.8	126.6	9	179.9
1184	8.8	124.8	16	179.4
0	8.8	123.0	1	179.4
1185	8.5	121.2	16	179.7
0	8.3	119.4	3	179.4
1186	8.0	117.6	16	179.7
0	7.7	115.8	4	179.7
1187	7.3	114.0	16	179.7
0	6.6	112.2	6	179.7
1188	6.2	110.4	16	179.7
0	6.1	108.6	8	179.4
1189	6.5	106.8	17	179.7
0	7.7	105.0	0	179.7
1190	8.3	103.2	17	179.9
0	8.0	101.4	2	179.7
1191	7.2	99.6	17	179.7
0	6.8	97.8	3	179.7
1192	6.8	96.0	17	179.7
0	6.1	94.2	5	179.4
1193	5.6	92.4	17	179.7
0	5.3	90.6	7	179.4
1194	4.9	88.8	17	179.4
0	5.2	87.0	9	179.4
1195	4.5	85.2	18	179.7
0	3.5	83.4	1	179.4
1196	2.6	81.6	18	179.7
0	2.0	79.9	2	179.4
1197	1.9	78.1	18	179.1
0	1.9	76.3	4	178.9
1198	1.8	74.5	18	178.9
0	1.8	72.7	6	178.3
1199	1.6	70.9	18	178.1
0	0.7	69.1	8	177.5
1200	-2.7	67.4	19	174.6
0	-5.2	65.7	0	172.5
1201	-4.1	63.9	19	170.1
0	-1.5	62.3	1	151.4
1202	2.6	60.8	19	136.0
0	12.6	59.5	3	117.4
1203	41.2	58.5	19	81.9
0	54.9	57.8	5	71.6
1204	45.0	57.2	19	48.9
0	21.7	56.7	7	40.1
1205	1.8	56.4	19	29.2
0	0.1	56.2	9	23.4
1206	1.8	56.0	20	16.7
0	4.6	55.9	0	14.1
1207	1.9	55.8	20	9.8
0	-0.8	55.7	2	7.9
1208	-4.7	55.6	20	5.3
0	-22.0	55.6	4	1.5
1209	-30.8	55.6	20	-3.4
0	-26.2	55.7	6	-9.8
1210			20	
0			8	
1211			20	
0			9	
1212			21	
0			1	
1213			21	

1237	-13.7	55.9	23	-19.1
0	-5.7	56.1	2	-23.4
1238	-10.7	56.3	23	-22.8
0	-22.8	56.5	1	-23.9
1239	-31.2	56.9	23	-36.2
0	-27.0	57.3	1	-45.2
1240	-16.1	57.7	23	-53.2
0	-8.1	58.3	1	-58.0
1241	-10.4	58.8	23	-55.1
0	-19.4	59.3	1	-52.1
1242	-27.5	60.0	23	-69.7
0	-26.4	60.7	0	-77.4
1243	-19.7	61.4	23	-85.4
0	-14.4	62.3	0	-90.7
1244	-14.9	63.1	22	-86.5
0	-18.6	64.0	9	-90.7
1245	-21.3	64.9	22	-95.8
0	-19.1	65.9	9	-101.4
1246	-14.4	67.0	22	-106.7
0	-11.7	68.1	8	-109.9
1247	-13.8	69.2	22	-113.4
0	-18.8	70.4	7	-116.8
1248	-21.8	71.6	22	-122.1
0	-20.1	72.9	7	-127.7
1249	-15.5	74.2	22	-132.5
0	-13.2	75.5	6	-136.8
1250	-15.9	76.9	22	-140.0
0	-20.3	78.3	5	-144.2
1251	-23.7	79.8	22	-149.6
0	-21.8	81.4	4	-155.4
1252	-17.1	83.0	22	-161.0
0	-14.1	84.6	3	-165.0
1253	-15.1	86.3	22	-168.5
0	-19.0	88.0	3	-172.5
1254	-23.3	89.7	22	-174.6
0	-26.3	91.5	2	-175.1
1255	-26.8	93.3	22	-175.4
0	-27.0	95.0	0	-175.1
1256	-28.1	96.8	21	-175.1
0	-29.3	98.5	9	-175.4
1257	-30.4	100.3	21	-175.7
0	-30.2	102.0	8	-175.7
1258	-29.2	103.8	21	-175.7
0	-28.6	105.5	7	-175.4
1259	-29.3	107.3	21	-175.7
0	-30.8	109.0	6	-175.7
1260	-31.6	110.8	21	-175.7
0	-31.7	112.6	5	-175.9
1261	-31.5	114.3	21	-175.7
0	-30.9	116.1	3	-175.4
1262	-29.6	117.8	21	-175.7
0	-27.8	119.6	2	-175.4
1263	-26.2	121.3	21	-175.1
0	-25.8	123.1	1	-175.4
1264			20	
0			9	
1265			20	
0			8	
1266			20	
0			6	
1267			20	

1291	-26.4	124.8	163	-175.1
0	-27.1	126.6	161	-175.1
1292	-27.5	128.4	159	-175.4
0	-27.0	130.1	157	-175.4
1293	-26.4	131.9	156	-175.4
0	-26.2	133.6	154	-175.1
1294	-25.6	135.4	152	-175.1
0	-24.4	137.1	150	-175.4
1295	-23.3	138.9	149	-175.1
0	-22.9	140.6	147	-175.1
1296	-22.9	142.4	145	-174.9
0	-23.6	144.1	143	-175.4
1297	-22.5	145.9	142	-174.9
0	-20.7	147.6	140	-174.6
1298	-19.3	149.4	138	-174.9
0	-18.8	151.1	136	-174.3
1299	-18.8	152.9	135	-174.9
0	-18.6	154.6	133	-174.6
1300	-17.4	156.4	131	-174.3
0	-15.5	158.1	129	-174.3
1301	-14.6	159.8	128	-174.3
0	-15.1	161.6	126	-174.1
1302	-14.8	163.3	124	-174.3
0	-14.0	165.1	122	-174.3
1303	-12.7	166.8	121	-173.8
0	-12.1	168.6	119	-173.8
1304	-10.8	170.3	117	-173.8
0	-10.2	172.0	115	-173.8
1305	-8.7	173.8	114	-174.1
0	-7.5	175.5	112	-173.3
1306	-6.4	177.2	110	-173.3
0	-5.4	179.0	108	-173.5
1307	-4.2	180.7	107	-173.3
0	-2.8	182.4	105	-173.3
1308	-1.9	184.2	103	-173.3
0	-1.9	185.9	102	-172.7
1309	-1.8	187.6	100	-172.5
0	-1.6	189.3	98	-172.2
1310	-1.6	191.1	96	-171.7
0	-1.5	192.7	95	-154.4
1311	-2.6	194.3	93	-133.6
0	-5.7	195.5	92	-113.4
1312	-37.6	196.5	91	-96.6
0	-57.9	197.2	90	-69.4
1313	-56.1	197.8	90	-53.5
0	-32.7	198.2	89	-34.6
1314	-1.5	198.5	89	-29.2
0	2.0	198.7	89	-19.1
1315	9.5	198.8	89	-11.9
0	16.8	198.9	89	-8.2
1316	13.4	199.0	88	-2.1
0	3.0	199.0	88	0.2
1317	-0.5	199.0	88	-0.7
0	3.0	199.0	88	-0.5
1318				
0				
1319				
0				
1320				
0				
1321				

1345	14.4	199.0	88	0.7
0	25.5	198.9	89	5.5
1346	27.7	198.8	89	11.4
0	22.1	198.7	89	17.0
1347	13.2	198.4	89	27.4
0	10.0	198.2	89	28.2
1348	14.8	197.9	90	28.4
0	24.5	197.5	90	32.4
1349	32.0	197.1	90	38.8
0	31.7	196.6	91	46.3
1350	23.3	196.0	91	65.4
0	14.6	195.4	92	65.4
1351	10.2	194.7	93	62.5
0	13.7	194.0	93	64.9
1352	22.0	193.2	94	68.6
0	28.2	192.4	95	82.5
1353	26.8	191.5	96	90.5
0	19.7	190.5	97	97.4
1354	13.0	189.5	98	102.4
0	11.4	188.5	99	105.9
1355	17.4	187.4	100	109.1
0	23.9	186.3	101	113.9
1356	25.6	185.1	102	120.3
0	21.4	183.8	104	127.2
1357	14.9	182.5	105	132.8
0	10.8	181.2	106	136.3
1358	11.8	179.8	108	139.2
0	18.2	178.4	109	142.4
1359	23.5	176.9	111	147.2
0	23.1	175.4	112	153.3
1360	17.1	173.8	114	158.9
0	9.9	172.2	115	162.9
1361	6.1	170.5	117	165.3
0	9.1	168.9	119	166.6
1362	15.6	167.2	120	168.7
0	19.1	165.5	122	172.7
1363	17.1	163.7	124	177.3
0	11.8	161.9	126	178.6
1364	9.4	160.1	127	178.9
0	10.2	158.3	129	178.9
1365	13.2	156.6	131	179.4
0	17.2	154.8	133	179.7
1366	19.5	153.0	134	179.9
0	19.5	151.2	136	179.9
1367	17.2	149.4	138	179.9
0	14.6	147.6	140	179.7
1368	13.8	145.8	142	179.7
0	14.8	144.0	143	179.4
1369	17.4	142.2	145	179.9
0	19.1	140.4	147	179.9
1370	18.4	138.6	149	179.7
0	16.8	136.8	151	179.7
1371	14.8	135.0	152	179.7
0	14.2	133.2	154	179.4
1372				
0				
1373				
0				
1374				
0				
1375				

1399	14.9	131.4	15	179.4
0	16.1	129.6	6	179.7
1400	17.5	127.8	15	179.9
0	17.1	126.0	8	179.9
1401	16.0	124.2	16	179.9
0	15.2	122.4	0	179.9
1402	13.8	120.6	16	179.7
0	13.3	118.8	1	179.4
1403	13.2	117.0	16	179.7
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1404	12.5	113.4	16	179.7
0	11.0	111.6	5	179.7
1405	9.5	109.8	16	179.4
0	8.4	108.0	7	179.4
1406	8.0	106.2	16	179.4
0	8.4	104.4	9	179.1
1407	8.0	102.7	17	179.4
0	7.1	100.9	0	179.4
1408	6.1	99.1	17	179.1
0	5.4	97.3	2	179.1
1409	5.0	95.5	17	179.4
0	4.7	93.7	4	179.4
1410	4.7	91.9	17	179.7
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1411	5.2	88.3	17	179.4
0	5.3	86.5	8	179.7
1412	4.9	84.7	17	179.7
0	3.5	82.9	9	179.7
1413	2.4	81.1	18	179.4
0	2.0	79.3	1	179.4
1414	1.9	77.5	18	179.1
0	1.8	75.7	3	178.9
1415	1.8	73.9	18	178.6
0	1.6	72.2	5	178.3
1416	1.2	70.4	18	177.8
0	-1.8	68.6	7	175.4
1417	-5.8	66.9	18	173.0
0	-7.2	65.2	8	170.3
1418	-5.0	63.5	19	167.9
0	-3.1	61.9	0	149.0
1419	2.6	60.3	19	154.6
0	12.6	59.2	2	109.1
1420	35.9	58.3	19	85.4
0	45.2	57.6	4	59.9
1421	33.8	57.1	19	51.3
0	11.8	56.7	6	38.0
1422	-0.5	56.3	19	30.6
0	-0.7	56.1	7	21.0
1423	-2.0	56.0	19	16.2
0	-9.8	55.8	9	10.3
1424	-18.2	55.7	20	7.4
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1425	-27.4	55.7	20	-2.6
0	-26.6	55.8	3	-9.0
1426			20	
0			5	
1427			20	
0			6	
1428			20	
0			8	
1429			21	

1453	-21.0	56.0	23	-15.4
0	-14.6	56.2	1	-22.6
1454	-11.7	56.4	23	-29.0
0	-14.2	56.7	1	-32.2
1455	-20.1	57.1	23	-37.0
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1456	-25.6	57.9	23	-41.2
0	-23.6	58.4	1	-47.3
1457	-20.2	58.9	23	-53.7
0	-18.2	59.6	0	-57.7
1458	-17.5	60.3	23	-62.0
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1459	-18.2	61.7	23	-70.5
0	-19.0	62.6	0	-83.0
1460	-19.1	63.5	22	-88.6
0	-18.8	64.4	9	-93.7
1461	-19.1	65.4	22	-98.7
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1462	-19.3	67.5	22	-109.4
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1463	-18.6	69.8	22	-119.5
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1465	-18.4	75.0	22	-139.2
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1466	-19.8	77.9	22	-149.0
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1467	-21.7	81.0	22	-159.4
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1468	-18.8	84.4	22	-170.3
0	-18.3	86.1	3	-174.1
1469	-21.0	87.9	22	-174.6
0	-25.1	89.6	2	-175.1
1470	-27.8	91.4	22	-175.4
0	-27.1	93.1	1	-175.4
1471	-25.8	94.9	22	-175.1
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1472	-27.9	98.4	21	-175.4
0	-29.8	100.1	9	-175.7
1473	-30.5	101.9	21	-175.7
0	-29.0	103.6	8	-175.4
1474	-27.4	105.4	21	-175.4
0	-27.0	107.1	6	-175.4
1475	-26.8	108.9	21	-175.4
0	-27.3	110.7	5	-175.1
1476	-27.5	112.4	21	-175.4
0	-27.9	114.2	4	-175.4
1477	-28.2	115.9	21	-175.4
0	-27.7	117.7	2	-175.7
1478	-26.6	119.4	21	-175.1
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0	-26.3	124.7	0	-175.1
1480			20	
0			8	
1481			20	
0			6	
1482			20	
0			5	
1483			20	

1507	-26.8	126.4	161	-175.4
0	-26.4	128.2	159	-175.4
1508	-25.1	129.9	158	-175.4
0	-24.3	131.7	156	-174.9
1509	-24.4	133.4	154	-175.1
0	-24.8	135.2	152	-175.1
1510	-24.5	137.0	150	-175.1
0	-24.1	138.7	149	-175.1
1511	-23.5	140.5	147	-174.9
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1512	-23.5	144.0	143	-175.1
0	-22.8	145.7	142	-174.9
1513	-21.2	147.5	140	-174.9
0	-19.9	149.2	138	-174.6
1514	-19.8	151.0	136	-174.6
0	-19.9	152.7	135	-175.1
1515	-19.8	154.4	133	-174.6
0	-18.7	156.2	131	-174.6
1516	-17.0	157.9	130	-174.6
0	-15.9	159.7	128	-174.3
1517	-16.0	161.4	126	-174.3
0	-16.0	163.2	124	-174.6
1518	-15.2	164.9	123	-174.6
0	-13.8	166.7	121	-174.1
1519	-13.2	168.4	119	-174.1
0	-12.6	170.1	117	-173.8
1520	-11.8	171.9	116	-173.8
0	-10.7	173.6	114	-174.1
1521	-9.4	175.4	112	-173.5
0	-7.9	177.1	110	-173.8
1522	-6.9	178.8	109	-173.5
0	-5.8	180.6	107	-173.3
1523	-4.6	182.3	105	-173.5
0	-3.1	184.0	103	-173.3
1524	-2.0	185.8	102	-173.0
0	-2.0	187.5	100	-172.7
1525	-1.9	189.2	98	-172.7
0	-1.6	190.9	97	-171.9
1526	-1.5	192.6	95	-154.6
0	-2.4	194.2	93	-136.3
1527	-4.6	195.4	92	-103.8
0	-32.0	196.4	91	-90.2
1528	-57.5	197.2	90	-77.7
0	-58.3	197.7	90	-54.8
1529	-37.3	198.2	89	-40.1
0	-9.4	198.5	89	-25.2
1530	1.6	198.7	89	-19.7
0	3.9	198.9	89	-13.3
1531	10.4	199.0	88	-11.4
0	10.3	199.1	88	-7.1
1532	3.5	199.1	88	-5.0
0	1.2	199.2	88	-5.8
1533	3.1	199.2	88	-4.7
0	9.5	199.2	88	-1.8
1534				
0				
1535				
0				
1536				
0				
1537				

1561	16.4	199.2	88	0.7
0	20.2	199.2	88	3.1
1562	19.4	199.1	88	7.7
0	15.9	199.0	88	12.5
1563	14.1	198.9	89	16.5
0	16.8	198.6	89	19.7
1564	22.4	198.4	89	24.2
0	27.4	198.1	89	29.8
1565	28.7	197.7	90	36.7
0	25.6	197.2	90	43.9
1566	20.2	196.7	91	60.9
0	17.1	196.1	91	60.4
1567	18.0	195.5	92	58.5
0	22.0	194.8	93	63.0
1568	25.2	194.0	93	68.6
0	25.4	193.2	94	74.5
1569	22.6	192.3	95	89.7
0	19.8	191.3	96	96.1
1570	19.5	190.3	97	101.4
0	20.6	189.3	98	106.4
1571	22.9	188.2	99	112.3
0	23.6	187.0	100	118.4
1572	21.3	185.8	102	124.8
0	17.6	184.5	103	130.4
1573	15.3	183.1	104	134.7
0	15.3	181.8	106	138.7
1574	16.0	180.4	107	142.6
0	16.8	178.9	109	146.6
1575	17.6	177.4	110	151.2
0	16.4	175.8	112	155.7
1576	14.0	174.3	113	159.4
0	12.3	172.6	115	162.9
1577	11.5	171.0	116	165.8
0	12.1	169.3	118	168.5
1578	13.0	167.6	120	171.4
0	12.7	165.9	122	174.1
1579	11.4	164.1	123	177.3
0	10.2	162.3	125	178.6
1580	10.7	160.5	127	179.1
0	12.5	158.7	129	179.1
1581	14.5	156.9	131	179.7
0	16.1	155.1	132	179.9
1582	16.7	153.3	134	179.7
0	16.7	151.6	136	179.7
1583	16.3	149.8	138	179.7
0	15.5	148.0	139	179.9
1584	14.9	146.2	141	179.7
0	14.6	144.4	143	179.4
1585	15.2	142.6	145	179.7
0	15.5	140.8	147	179.4
1586	14.9	139.0	148	179.9
0	14.0	137.2	150	179.7
1587	13.2	135.4	152	179.7
0	12.7	133.6	154	179.7
1588				
0				
1589				
0				
1590				
0				
1591				

1615	12.3	131.8	15	179.7
0	11.7	130.0	6	179.4
1616	11.3	128.2	15	179.4
0	10.6	126.4	7	179.4
1617	9.9	124.6	15	179.4
0	9.8	122.8	9	179.1
1618	9.4	121.0	16	179.4
0	8.7	119.2	1	179.4
1619	8.7	117.4	16	179.7
0	8.8	115.6	3	179.7
1620	9.1	113.8	16	179.4
0	8.3	112.0	5	179.7
1621	7.6	110.2	16	179.7
0	7.1	108.5	6	179.7
1622	7.3	106.7	16	179.4
0	7.9	104.9	8	179.7
1623	7.9	103.1	17	179.7
0	7.9	101.3	0	179.4
1624	8.0	99.5	17	179.7
0	8.5	97.7	2	179.7
1625	8.9	95.9	17	179.7
0	8.4	94.1	4	179.7
1626	7.7	92.3	17	179.7
0	6.5	90.5	5	179.7
1627	5.6	88.7	17	179.4
0	5.2	86.9	7	179.4
1628	4.3	85.1	17	179.4
0	3.5	83.3	9	179.4
1629	2.6	81.5	18	179.4
0	2.4	79.7	1	179.4
1630	2.3	77.9	18	179.4
0	2.3	76.1	3	179.4
1631	2.2	74.3	18	178.9
0	1.8	72.6	4	178.9
1632	1.8	70.8	18	178.6
0	1.6	69.0	6	178.1
1633	0.9	67.2	18	177.8
0	-4.3	65.4	8	175.7
1634	-8.5	63.7	19	171.7
0	-8.3	62.0	0	168.5
1635	1.9	60.6	19	146.9
0	12.3	59.3	2	101.4
1636	38.8	58.4	19	88.1
0	47.6	57.7	3	61.4
1637	35.3	57.1	19	52.4
0	11.3	56.7	5	38.3
1638	-0.8	56.4	19	30.6
0	-0.4	56.2	7	21.0
1639	-0.1	56.0	19	16.2
0	-5.4	55.8	9	12.7
1640	-14.1	55.8	20	7.9
0	-23.2	55.7	1	3.1
1641	-27.1	55.7	20	-2.6
0	-25.5	55.8	2	-9.0
1642			20	
0			4	
1643			20	
0			6	
1644			20	
0			8	
1645			21	

1669	-18.3	55.9	23	-16.5
0	-11.4	56.1	2	-21.8
1670	-9.6	56.3	23	-25.0
0	-14.0	56.6	1	-25.2
1671	-20.9	56.9	23	-26.6
0	-25.9	57.2	1	-38.8
1672	-26.2	57.6	23	-42.0
0	-23.7	58.1	1	-54.3
1673	-22.4	58.6	23	-61.7
0	-23.2	59.3	1	-68.1
1674	-23.2	59.9	23	-75.0
0	-21.6	60.7	0	-81.9
1675	-18.8	61.4	23	-88.1
0	-18.6	62.3	0	-93.7
1676	-21.2	63.2	22	-90.5
0	-24.3	64.1	9	-96.6
1677	-25.5	65.1	22	-103.0
0	-23.5	66.2	9	-109.9
1678	-19.7	67.4	22	-116.3
0	-18.0	68.6	8	-121.6
1679	-19.0	69.8	22	-126.4
0	-21.6	71.1	8	-131.5
1680	-22.6	72.5	22	-137.3
0	-20.6	73.9	7	-142.9
1681	-18.2	75.4	22	-148.8
0	-17.0	76.9	6	-153.0
1682	-19.1	78.5	22	-157.6
0	-22.2	80.1	5	-162.6
1683	-22.8	81.7	22	-168.2
0	-20.3	83.5	4	-173.8
1684	-19.5	85.2	22	-174.6
0	-23.1	87.0	3	-174.6
1685	-28.6	88.7	22	-175.4
0	-32.0	90.5	2	-175.9
1686	-31.5	92.2	22	-175.7
0	-28.5	94.0	1	-175.7
1687	-26.8	95.7	22	-175.4
0	-27.8	97.5	0	-175.4
1688	-30.4	99.2	21	-175.7
0	-31.7	101.0	9	-175.7
1689	-31.5	102.8	21	-175.7
0	-30.1	104.5	8	-175.9
1690	-29.4	106.3	21	-175.4
0	-29.6	108.0	6	-175.7
1691	-29.6	109.8	21	-175.9
0	-29.2	111.5	5	-175.4
1692	-29.2	113.3	21	-175.7
0	-29.2	115.1	4	-175.4
1693	-28.9	116.8	21	-175.4
0	-28.3	118.6	2	-175.7
1694	-27.1	120.3	21	-175.7
0	-25.9	122.1	1	-175.1
1695	-25.8	123.8	20	-175.4
0	-26.0	125.6	9	-175.4
1696			20	
0			7	
1697			20	
0			6	
1698			20	
0			4	
1699			20	

1723	-25.6	127.3	160	-175.4
0	-24.5	129.1	158	-175.1
1724	-23.3	130.8	157	-174.9
0	-22.9	132.6	155	-175.1
1725	-22.9	134.3	153	-174.9
0	-22.8	136.1	151	-174.9
1726	-21.8	137.8	150	-174.9
0	-20.6	139.6	148	-174.6
1727	-19.9	141.3	146	-174.6
0	-20.2	143.1	144	-174.6
1728	-20.3	144.8	143	-174.9
0	-19.3	146.6	141	-174.9
1729	-18.2	148.3	139	-174.6
0	-18.3	150.1	137	-174.6
1730	-19.0	151.8	136	-174.6
0	-19.5	153.6	134	-174.6
1731	-18.6	155.3	132	-174.6
0	-16.5	157.1	130	-174.3
1732	-15.2	158.8	129	-174.3
0	-15.5	160.6	127	-174.6
1733	-16.3	162.3	125	-174.3
0	-16.4	164.0	123	-174.3
1734	-15.6	165.8	122	-174.6
0	-14.1	167.5	120	-174.1
1735	-12.9	169.3	118	-173.8
0	-11.7	171.0	116	-174.1
1736	-10.6	172.7	115	-173.8
0	-9.5	174.5	113	-173.8
1737	-8.7	176.2	111	-173.8
0	-7.5	178.0	109	-173.5
1738	-6.4	179.7	108	-173.5
0	-4.7	181.4	106	-173.3
1739	-3.1	183.2	104	-173.3
0	-2.0	184.9	103	-173.0
1740	-1.8	186.6	101	-173.0
0	-1.6	188.3	99	-172.5
1741	-1.5	190.1	97	-172.5
0	-1.5	191.8	96	-171.9
1742	1.2	193.5	94	-185.0
0	-2.4	194.8	93	-133.1
1743	-11.8	195.9	92	-91.0
0	-41.1	196.8	91	-79.3
1744	-55.5	197.5	90	-68.1
0	-44.1	198.0	89	-47.3
1745	-16.3	198.3	89	-37.2
0	2.6	198.6	89	-23.6
1746	11.9	198.8	89	-15.4
0	25.9	198.9	89	-12.2
1747	24.3	199.0	88	-4.5
0	10.0	199.0	88	0.7
1748	-0.9	199.0	88	0.7
0	0.0	199.0	88	0.2
1749	8.0	199.0	88	1.3
0	20.1	198.9	89	4.2
1750				
0				
1751				
0				
1752				
0				
1753				

1777	27.0	198.8	89	9.8
0	24.7	198.7	89	17.0
1778	17.4	198.5	89	21.5
0	11.1	198.3	89	23.1
1779	11.5	198.0	89	26.3
0	18.8	197.7	90	29.0
1780	27.5	197.3	90	33.8
0	31.3	196.9	91	40.7
1781	27.8	196.4	91	48.4
0	19.5	195.7	92	67.0
1782	12.7	195.1	92	72.9
0	12.3	194.4	93	76.6
1783	18.3	193.7	94	80.6
0	24.8	192.9	95	85.9
1784	27.0	192.1	95	85.1
0	23.3	191.2	96	92.6
1785	16.8	190.2	97	99.0
0	13.3	189.2	98	103.5
1786	14.1	188.1	99	107.0
0	19.4	187.0	100	111.0
1787	23.6	185.8	102	116.3
0	23.3	184.6	103	122.7
1788	19.3	183.4	104	128.8
0	14.1	182.0	105	133.3
1789	11.0	180.7	107	137.1
0	12.2	179.3	108	139.7
1790	18.0	177.9	110	143.4
0	20.7	176.4	111	148.0
1791	18.6	174.9	113	153.3
0	13.3	173.3	114	157.8
1792	7.9	171.7	116	160.7
0	5.7	170.1	117	162.3
1793	9.1	168.5	119	163.4
0	13.8	166.8	121	165.5
1794	16.0	165.1	122	169.0
0	14.0	163.4	124	172.7
1795	8.9	161.6	126	175.7
0	5.8	159.9	128	177.5
1796	6.0	158.1	129	178.3
0	8.9	156.3	131	178.9
1797	12.3	154.5	133	179.1
0	14.4	152.7	135	179.7
1798	13.6	150.9	137	179.4
0	10.8	149.1	138	179.4
1799	8.0	147.3	140	179.4
0	7.2	145.5	142	179.1
1800	8.5	143.7	144	179.4
0	11.4	142.0	145	179.4
1801	13.7	140.2	147	179.7
0	13.0	138.4	149	179.9
1802	10.6	136.6	151	179.7
0	8.3	134.8	153	179.4
1803	7.2	133.0	154	179.7
0	8.1	131.2	156	179.7
1804				
0				
1805				
0				
1806				
0				
1807				

1831	10.2	129.4	15	179.7
0	12.3	127.6	8	179.9
1832	13.4	125.8	16	179.9
0	12.9	124.0	0	179.9
1833	11.4	122.2	16	179.7
0	9.6	120.4	2	179.7
1834	8.5	118.6	16	179.9
0	9.1	116.8	3	179.9
1835	9.6	115.0	16	179.4
0	9.5	113.2	5	179.9
1836	8.0	111.4	16	179.7
0	6.5	109.6	7	179.4
1837	5.2	107.8	16	179.1
0	5.7	106.0	9	179.7
1838	6.9	104.2	17	179.7
0	8.1	102.4	1	179.7
1839	9.4	100.6	17	179.9
0	9.9	98.8	2	179.9
1840	9.9	97.0	17	179.7
0	9.2	95.2	4	179.7
1841	8.1	93.4	17	179.7
0	7.6	91.6	6	179.7
1842	7.3	89.8	17	179.7
0	7.5	88.0	8	179.7
1843	7.6	86.2	18	179.9
0	6.8	84.4	0	179.9
1844	5.4	82.6	18	179.7
0	4.7	80.8	1	179.7
1845	4.7	79.0	18	179.7
0	5.2	77.3	3	179.4
1846	4.9	75.5	18	179.7
0	4.5	73.7	5	179.7
1847	3.4	71.9	18	179.7
0	2.6	70.1	7	179.4
1848	2.0	68.3	18	179.4
0	1.8	66.5	9	179.4
1849	1.8	64.7	19	179.1
0	1.8	62.9	0	178.6
1850	1.8	61.2	19	158.4
0	5.0	59.8	2	120.5
1851	34.0	58.7	19	103.0
0	59.0	57.8	4	71.0
1852	58.7	57.2	19	60.4
0	35.8	56.7	6	43.9
1853	8.8	56.3	19	33.8
0	-1.4	56.1	8	19.4
1854	0.7	55.9	19	16.2
0	3.7	55.8	9	11.1
1855	6.1	55.7	20	9.8
0	2.4	55.6	1	7.7
1856	-1.1	55.6	20	4.7
0	-3.3	55.5	3	3.9
1857	-12.9	55.5	20	1.3
0	-20.5	55.5	5	-2.3
1858			20	
0			7	
1859			20	
0			8	
1860			21	
0			0	
1861			21	

1885	-18.2	55.6	23	-7.4
0	-12.5	55.7	2	-12.2
1886	-10.3	55.8	23	-15.9
0	-16.1	56.0	2	-17.5
1887	-25.0	56.2	23	-19.9
0	-29.8	56.5	2	-31.9
1888	-25.8	56.8	23	-40.4
0	-16.3	57.2	1	-47.9
1889	-8.3	57.7	23	-52.7
0	-7.6	58.2	1	-55.3
1890	-13.7	58.7	23	-52.7
0	-21.3	59.3	1	-50.8
1891	-23.7	59.9	23	-68.1
0	-20.6	60.6	1	-75.0
1892	-15.1	61.3	23	-80.9
0	-13.0	62.1	0	-85.1
1893	-14.5	62.8	23	-80.6
0	-16.7	63.7	0	-84.9
1894	-16.8	64.6	22	-89.4
0	-15.1	65.5	9	-93.9
1895	-12.9	66.5	22	-97.9
0	-13.3	67.5	9	-101.1
1896	-16.3	68.5	22	-104.8
0	-19.5	69.6	8	-109.4
1897	-20.3	70.7	22	-114.7
0	-18.2	71.9	8	-120.0
1898	-15.6	73.2	22	-124.5
0	-14.6	74.4	7	-128.8
1899	-16.0	75.7	22	-132.3
0	-18.6	77.1	6	-136.5
1900	-20.6	78.5	22	-141.6
0	-19.5	80.0	5	-146.9
1901	-16.5	81.5	22	-151.7
0	-13.6	83.0	5	-156.0
1902	-13.3	84.6	22	-159.2
0	-15.9	86.2	4	-162.6
1903	-19.0	87.9	22	-166.3
0	-20.6	89.6	3	-171.1
1904	-20.2	91.3	22	-174.9
0	-20.7	93.1	2	-174.9
1905	-24.0	94.8	22	-174.6
0	-27.8	96.6	1	-175.4
1906	-30.1	98.3	22	-175.4
0	-29.3	100.1	0	-175.7
1907	-27.4	101.8	21	-175.7
0	-25.5	103.6	9	-175.4
1908	-26.0	105.3	21	-175.1
0	-28.9	107.1	8	-175.4
1909	-30.9	108.9	21	-175.7
0	-30.9	110.6	7	-175.7
1910	-29.4	112.4	21	-175.4
0	-27.9	114.1	6	-175.4
1911	-27.5	115.9	21	-175.1
0	-27.5	117.6	4	-175.7
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0			3	
1913			21	
0			2	
1914			21	
0			0	
1915			20	

1939	-27.7	119.4	168	-175.4
0	-27.4	121.1	166	-175.4
1940	-27.3	122.9	165	-175.7
0	-27.3	124.7	163	-175.4
1941	-27.1	126.4	161	-175.4
0	-26.3	128.2	159	-175.4
1942	-24.8	129.9	158	-175.1
0	-23.6	131.7	156	-174.9
1943	-23.2	133.4	154	-175.1
0	-22.5	135.2	152	-174.9
1944	-21.3	136.9	151	-174.9
0	-20.2	138.7	149	-174.9
1945	-19.5	140.4	147	-174.9
0	-19.5	142.2	145	-174.9
1946	-20.6	143.9	144	-174.9
0	-20.1	145.7	142	-174.6
1947	-18.4	147.4	140	-174.6
0	-16.5	149.2	138	-174.6
1948	-15.3	150.9	137	-174.1
0	-14.9	152.6	135	-174.3
1949	-14.4	154.4	133	-174.3
0	-13.4	156.1	131	-174.1
1950	-11.7	157.9	130	-173.8
0	-10.4	159.6	128	-173.8
1951	-10.7	161.4	126	-173.8
0	-10.6	163.1	124	-174.1
1952	-9.8	164.8	123	-174.1
0	-8.5	166.6	121	-173.8
1953	-7.3	168.3	119	-173.5
0	-6.6	170.0	117	-173.3
1954	-5.4	171.8	116	-173.5
0	-4.2	173.5	114	-173.3
1955	-3.0	175.2	112	-173.3
0	-2.2	177.0	110	-173.0
1956	-1.9	178.7	109	-173.0
0	-1.8	180.4	107	-172.7
1957	-1.9	182.2	105	-172.7
0	-1.8	183.9	104	-172.2
1958	-1.8	185.6	102	-171.9
0	-1.8	187.3	100	-171.7
1959	-1.4	189.0	98	-171.1
0	3.3	190.7	97	-170.3
1960	9.5	192.4	95	-167.9
0	5.4	193.9	94	-152.8
1961	-3.7	195.2	92	-105.6
0	-28.7	196.2	91	-92.9
1962	-59.1	197.0	90	-80.3
0	-65.6	197.6	90	-57.2
1963	-41.1	198.1	89	-46.5
0	-11.8	198.4	89	-30.0
1964	1.8	198.6	89	-19.1
0	8.3	198.8	89	-17.0
1965	17.1	198.9	89	-9.0
0	12.3	199.0	88	-6.3
1966				
0				
1967				
0				
1968				
0				
1969				

1993	2.3	199.0	88	-4.2
0	-0.9	199.0	88	-4.2
1994	0.0	199.1	88	-4.5
0	3.1	199.1	88	-4.5
1995	13.0	199.2	88	-2.6
0	20.7	199.2	88	1.0
1996	21.7	199.1	88	6.3
0	16.3	199.0	88	12.2
1997	10.3	198.9	89	17.3
0	9.5	198.7	89	20.4
1998	14.9	198.5	89	23.4
0	22.6	198.2	89	28.2
1999	27.0	197.9	90	35.1
0	25.9	197.6	90	42.5
2000	20.3	197.1	90	50.5
0	14.8	196.6	91	51.6
2001	13.3	196.1	91	49.7
0	17.2	195.5	92	53.5
2002	23.6	194.9	93	57.5
0	27.0	194.2	93	63.3
2003	25.2	193.4	94	70.2
0	19.8	192.6	95	75.6
2004	14.8	191.7	96	89.4
0	13.6	190.8	97	93.1
2005	16.0	189.8	98	96.9
0	20.6	188.8	99	101.4
2006	22.1	187.7	100	107.0
0	20.2	186.6	101	112.8
2007	14.9	185.5	102	118.4
0	11.5	184.3	103	122.1
2008	11.9	183.0	104	125.1
0	15.1	181.7	106	128.0
2009	17.1	180.4	107	131.7
0	16.8	179.1	108	136.3
2010	13.8	177.7	110	140.5
0	9.9	176.2	111	143.7
2011	7.5	174.8	113	145.8
0	8.8	173.3	114	147.4
2012	12.1	171.8	116	149.6
0	13.8	170.3	117	152.5
2013	14.0	168.8	119	156.0
0	11.3	167.2	120	159.2
2014	7.6	165.6	122	161.8
0	6.0	163.9	124	163.1
2015	6.5	162.3	125	164.2
0	9.5	160.6	127	165.5
2016	11.4	159.0	128	167.7
0	10.7	157.3	130	170.1
2017	8.1	155.6	132	172.5
0	6.0	153.8	134	173.8
2018	6.0	152.1	135	174.6
0	8.4	150.3	137	175.7
2019	10.4	148.5	139	177.5
0	11.4	146.8	141	178.6
2020				
0				
2021				
0				
2022				
0				
2023				

2047	10.7	145.0	14	178.9
0	9.6	143.2	2	179.1
2048	8.8	141.4	14	179.4
0	8.7	139.6	4	179.1
2049	8.8	137.8	14	179.4
0	9.1	136.0	6	179.4
2050	9.6	134.2	14	179.7
0	10.2	132.4	8	179.4
2051	9.9	130.6	15	179.7
0	9.5	128.8	0	179.7
2052	9.1	127.0	15	179.7
0	9.1	125.2	1	179.4
2053	10.0	123.4	15	179.7
0	11.3	121.6	3	179.7
2054	11.7	119.8	15	179.7
0	12.3	118.0	5	179.7
2055	12.3	116.2	15	179.9
0	12.1	114.4	7	179.9
2056	11.3	112.6	15	179.9
0	10.3	110.8	9	179.7
2057	9.8	109.1	16	179.7
0	9.4	107.3	0	179.7
2058	9.8	105.5	16	179.7
0	9.5	103.7	2	179.7
2059	8.9	101.9	16	179.7
0	8.7	100.1	4	179.7
2060	9.1	98.3	16	179.7
0	9.9	96.5	6	179.7
2061	10.0	94.7	16	179.9
0	9.5	92.9	8	179.4
2062	8.7	91.1	16	179.4
0	7.5	89.3	9	179.7
2063	7.3	87.5	17	179.4
0	7.3	85.7	1	179.7
2064	6.6	83.9	17	179.4
0	6.0	82.1	3	179.4
2065	5.4	80.3	17	179.4
0	5.3	78.5	5	179.4
2066	4.6	76.7	17	179.4
0	3.5	74.9	7	179.7
2067	2.3	73.1	17	179.4
0	1.9	71.3	8	179.7
2068	1.8	69.5	18	179.1
0	1.8	67.8	0	178.9
2069	1.5	66.0	18	178.6
0	0.4	64.2	2	177.8
2070	-4.1	62.4	18	175.7
0	-2.3	60.8	4	161.3
2071	4.2	59.5	18	109.9
0	29.2	58.5	6	95.0
2072	54.5	57.7	18	66.0
0	52.9	57.1	7	56.1
2073	28.9	56.7	18	40.7
0	4.1	56.3	9	28.4
2074			19	
0			1	
2075			19	
0			3	
2076			19	
0			5	
2077			19	

2101	-1.1	56.1	23	20.7
0	0.8	56.0	1	15.7
2102	0.0	55.8	23	10.3
0	-0.4	55.7	1	8.7
2103	-1.8	55.7	23	6.1
0	-18.8	55.6	2	3.1
2104	-35.5	55.6	23	-1.8
0	-36.2	55.7	2	-10.3
2105	-19.8	55.9	23	-16.7
0	-4.6	56.1	2	-21.2
2106	-2.6	56.3	23	-22.0
0	-14.9	56.6	2	-23.1
2107	-29.4	56.9	23	-33.2
0	-32.8	57.2	2	-38.0
2108	-25.0	57.7	23	-41.7
0	-15.6	58.2	2	-47.6
2109	-13.7	58.8	23	-51.3
0	-19.0	59.4	2	-61.2
2110	-24.5	60.0	23	-72.9
0	-23.7	60.7	1	-80.1
2111	-18.0	61.5	23	-87.0
0	-13.8	62.3	1	-91.8
2112	-14.9	63.2	23	-87.3
0	-19.7	64.1	1	-91.8
2113	-23.3	65.1	23	-97.1
0	-22.2	66.1	1	-103.2
2114	-17.6	67.2	23	-109.4
0	-14.6	68.3	0	-113.9
2115	-15.5	69.5	23	-117.9
0	-19.1	70.7	0	-121.9
2116	-21.6	71.9	22	-127.2
0	-20.6	73.3	9	-132.8
2117	-17.2	74.6	22	-138.1
0	-15.7	76.0	9	-142.6
2118	-17.6	77.5	22	-146.6
0	-21.3	79.0	8	-150.9
2119	-22.4	80.6	22	-157.0
0	-19.9	82.2	7	-162.6
2120	-16.0	83.8	22	-167.4
0	-13.7	85.5	7	-171.4
2121	-16.1	87.3	22	-173.8
0	-22.9	89.0	6	-174.6
2122	-27.9	90.8	22	-175.4
0	-28.6	92.5	5	-175.4
2123	-26.4	94.3	22	-175.4
0	-25.4	96.0	4	-175.1
2124	-26.4	97.8	22	-175.1
0	-28.3	99.5	3	-175.4
2125	-29.2	101.3	22	-175.7
0	-28.6	103.0	2	-175.7
2126	-26.7	104.8	22	-175.7
0	-25.6	106.6	1	-175.1
2127	-25.8	108.3	22	-175.1
0	-25.6	110.1	0	-175.7
2128			21	
0			9	
2129			21	
0			8	
2130			21	
0			7	
2131			21	

2155	-25.8	111.8	176	-175.4
0	-26.3	113.6	174	-175.1
2156	-26.6	115.3	172	-175.4
0	-26.3	117.1	170	-175.4
2157	-25.0	118.8	169	-175.1
0	-23.1	120.6	167	-175.4
2158	-21.6	122.3	165	-174.9
0	-21.3	124.1	163	-174.9
2159	-21.7	125.8	162	-175.1
0	-21.6	127.6	160	-174.9
2160	-20.9	129.3	158	-174.9
0	-19.8	131.1	156	-175.1
2161	-19.5	132.8	155	-174.6
0	-19.8	134.6	153	-174.6
2162	-19.5	136.3	151	-174.9
0	-18.8	138.1	149	-174.6
2163	-17.6	139.8	148	-174.6
0	-17.0	141.6	146	-174.6
2164	-17.0	143.3	144	-174.6
0	-16.7	145.1	142	-174.3
2165	-15.6	146.8	141	-174.6
0	-14.5	148.5	139	-174.3
2166	-14.6	150.3	137	-174.3
0	-15.7	152.0	135	-174.3
2167	-16.4	153.8	134	-174.3
0	-15.3	155.5	132	-174.3
2168	-13.2	157.3	130	-174.3
0	-11.8	159.0	128	-174.1
2169	-11.7	160.7	127	-174.1
0	-11.9	162.5	125	-173.8
2170	-12.2	164.2	123	-173.8
0	-11.8	166.0	121	-174.1
2171	-10.6	167.7	120	-173.8
0	-9.5	169.4	118	-173.5
2172	-8.0	171.2	116	-173.5
0	-6.0	172.9	115	-173.5
2173	-4.3	174.6	113	-173.3
0	-2.7	176.4	111	-173.5
2174	-1.9	178.1	109	-172.7
0	-1.8	179.8	108	-172.7
2175	-1.6	181.6	106	-172.7
0	-1.8	183.3	104	-171.9
2176	-1.4	185.0	102	-171.7
0	2.4	186.7	101	-171.4
2177	10.4	188.4	99	-168.5
0	13.8	190.1	97	-164.5
2178	9.5	191.7	96	-159.7
0	2.6	193.2	94	-140.5
2179	-3.4	194.6	93	-139.7
0	-24.7	195.6	92	-90.5
2180	-54.1	196.5	91	-81.4
0	-61.8	197.2	90	-57.7
2181	-43.9	197.7	90	-49.7
0	-15.1	198.1	89	-32.7
2182				
0				
2183				
0				
2184				
0				
2185				

2209	0.8	198.4	89	-29.2
0	7.5	198.6	89	-20.4
2210	15.5	198.8	89	-16.5
0	13.6	198.9	89	-10.3
2211	4.5	199.0	88	-6.9
0	-0.8	199.0	88	-8.5
2212	9.8	199.1	88	-7.1
0	17.0	199.1	88	-2.6
2213	19.5	199.1	88	0.5
0	16.5	199.1	88	3.4
2214	10.7	199.0	88	7.1
0	7.6	198.9	89	10.1
2215	8.0	198.8	89	11.9
0	12.3	198.7	89	13.8
2216	17.6	198.5	89	17.3
0	20.1	198.3	89	21.8
2217	18.0	198.0	89	26.6
0	13.2	197.6	90	37.8
2218	10.0	197.3	90	37.8
0	11.1	196.9	91	36.4
2219	15.6	196.4	91	39.1
0	19.9	196.0	91	43.1
2220	20.9	195.5	92	47.9
0	17.9	194.9	93	52.9
2221	13.8	194.3	93	58.3
0	12.3	193.6	94	60.6
2222	14.5	192.9	95	63.0
0	18.6	192.1	95	74.5
2223	21.0	191.4	96	79.8
0	20.1	190.5	97	85.7
2224	16.4	189.6	98	91.0
0	13.3	188.7	99	95.3
2225	12.5	187.7	100	99.0
0	15.9	186.7	101	102.2
2226	18.6	185.6	102	106.4
0	20.3	184.5	103	111.5
2227	18.4	183.4	104	116.8
0	14.4	182.2	105	121.6
2228	10.4	180.9	107	125.1
0	9.5	179.6	108	127.7
2229	12.7	178.3	109	130.1
0	16.7	177.0	110	133.3
2230	17.8	175.7	112	137.9
0	15.7	174.2	113	142.4
2231	11.1	172.8	115	145.8
0	8.4	171.3	116	148.5
2232	8.3	169.8	118	150.4
0	11.4	168.3	119	152.2
2233	13.0	166.7	121	155.2
0	11.8	165.2	122	157.8
2234	8.0	163.6	124	160.7
0	4.9	162.0	125	162.1
2235	5.0	160.3	127	162.9
0	7.3	158.7	129	163.7
2236				
0				
2237				
0				
2238				
0				
2239				

2263	10.2	157.0	13	165.0
0	11.5	155.4	0	167.7
2264	10.0	153.7	13	170.1
0	7.3	152.0	2	171.9
2265	5.7	150.2	13	173.3
0	5.7	148.5	4	174.1
2266	7.6	146.7	13	175.1
0	8.8	145.0	5	176.7
2267	9.1	143.2	13	178.3
0	8.7	141.4	7	178.9
2268	8.1	139.6	13	179.1
0	7.7	137.8	9	179.1
2269	7.6	136.0	14	179.4
0	8.4	134.2	1	179.4
2270	9.5	132.5	14	179.4
0	9.8	130.7	2	179.4
2271	9.8	128.9	14	179.4
0	9.5	127.1	4	179.7
2272	9.1	125.3	14	179.7
0	9.6	123.5	6	179.7
2273	10.6	121.7	14	179.7
0	11.4	119.9	8	179.9
2274	12.7	118.1	15	179.7
0	13.6	116.3	0	179.9
2275	13.8	114.5	15	179.9
0	13.0	112.7	1	179.9
2276	12.3	110.9	15	179.9
0	12.1	109.1	3	179.7
2277	12.3	107.3	15	179.7
0	12.7	105.5	5	179.9
2278	12.5	103.7	15	179.9
0	11.7	101.9	7	179.9
2279	11.3	100.1	15	179.7
0	11.4	98.3	9	179.4
2280	12.1	96.5	16	179.7
0	12.1	94.7	0	179.7
2281	11.4	92.9	16	179.7
0	10.6	91.1	2	179.7
2282	9.6	89.3	16	179.4
0	9.8	87.5	4	179.4
2283	9.9	85.7	16	179.7
0	9.2	83.9	6	179.7
2284	8.4	82.1	16	179.7
0	7.6	80.3	8	179.4
2285	7.5	78.5	16	179.4
0	6.5	76.7	9	179.4
2286	5.3	74.9	17	179.4
0	3.9	73.2	1	179.4
2287	2.6	71.4	17	179.4
0	1.9	69.6	3	179.4
2288	1.8	67.8	17	179.1
0	1.6	66.0	5	178.6
2289	1.5	64.2	17	178.3
0	-0.4	62.4	7	178.1
2290			17	
0			8	
2291			18	
0			0	
2292			18	
0			2	
2293			18	

2317	-2.0	60.8	22	146.4
0	3.3	59.4	7	136.0
2318	25.8	58.5	22	95.0
0	49.8	57.6	8	79.8
2319	52.1	57.1	22	55.3
0	29.2	56.6	9	40.1
2320	4.5	56.3	23	28.2
0	-1.5	56.1	0	18.6
2321	-3.5	55.9	23	15.1
0	-11.3	55.8	0	8.7
2322	-18.0	55.8	23	5.8
0	-22.1	55.8	1	-0.5
2323	-25.2	55.8	23	-3.9
0	-25.0	55.9	1	-11.4
2324	-19.8	56.0	23	-16.7
0	-12.1	56.2	1	-19.4
2325	-7.5	56.5	23	-22.3
0	-9.2	56.7	2	-23.9
2326	-17.4	57.0	23	-32.2
0	-25.4	57.3	2	-34.0
2327	-28.6	57.7	23	-37.0
0	-26.7	58.2	2	-43.9
2328	-22.2	58.7	23	-50.3
0	-19.0	59.3	2	-55.6
2329	-18.6	60.0	23	-60.1
0	-19.0	60.7	2	-64.6
2330	-18.7	61.5	23	-69.2
0	-17.8	62.3	2	-81.7
2331	-17.2	63.1	23	-86.5
0	-18.2	64.1	1	-91.5
2332	-20.7	65.0	23	-96.3
0	-22.9	66.0	1	-102.2
2333	-22.6	67.1	23	-108.6
0	-20.1	68.2	1	-114.2
2334	-17.1	69.4	23	-120.0
0	-15.7	70.6	1	-124.0
2335	-16.1	71.9	23	-128.5
0	-18.0	73.2	0	-132.5
2336	-18.7	74.6	23	-137.3
0	-18.4	76.0	0	-141.8
2337	-18.3	77.4	23	-147.2
0	-19.1	78.9	0	-151.4
2338	-20.6	80.5	22	-156.8
0	-20.6	82.1	9	-161.8
2339	-19.1	83.8	22	-167.1
0	-17.8	85.5	9	-172.2
2340	-19.3	87.2	22	-174.3
0	-23.9	89.0	8	-174.9
2341	-28.1	90.7	22	-175.7
0	-28.9	92.5	7	-175.4
2342	-27.1	94.2	22	-175.4
0	-25.6	96.0	7	-175.4
2343	-26.6	97.7	22	-175.1
0	-28.5	99.5	6	-175.4
2344			22	
0			5	
2345			22	
0			4	
2346			22	
0			3	
2347			22	

2371	-29.8	101.2	186	-175.7
0	-29.3	103.0	184	-175.7
2372	-27.5	104.8	183	-175.4
0	-25.9	106.5	181	-175.4
2373	-25.1	108.3	179	-174.9
0	-24.1	110.0	177	-175.1
2374	-23.7	111.8	176	-175.1
0	-24.1	113.5	174	-175.1
2375	-25.0	115.3	172	-175.1
0	-25.2	117.0	170	-175.4
2376	-24.5	118.8	169	-175.1
0	-23.2	120.5	167	-175.4
2377	-22.2	122.3	165	-175.1
0	-22.1	124.0	163	-174.9
2378	-22.1	125.8	162	-175.4
0	-21.6	127.5	160	-174.9
2379	-20.3	129.3	158	-174.9
0	-18.8	131.0	156	-174.9
2380	-18.7	132.8	155	-174.3
0	-19.3	134.5	153	-174.6
2381	-19.8	136.3	151	-174.9
0	-19.4	138.0	149	-174.6
2382	-18.6	139.8	148	-174.6
0	-17.6	141.5	146	-174.9
2383	-17.2	143.3	144	-174.6
0	-17.1	145.0	142	-174.3
2384	-16.4	146.7	141	-174.6
0	-15.6	148.5	139	-174.3
2385	-15.7	150.2	137	-174.3
0	-16.3	152.0	135	-174.3
2386	-15.9	153.7	134	-174.3
0	-14.2	155.5	132	-174.3
2387	-11.3	157.2	130	-174.1
0	-9.8	159.0	128	-173.8
2388	-9.1	160.7	127	-173.8
0	-9.4	162.4	125	-173.8
2389	-8.3	164.2	123	-173.8
0	-6.5	165.9	122	-173.5
2390	-3.8	167.6	120	-173.5
0	-2.3	169.4	118	-173.0
2391	-1.9	171.1	116	-173.0
0	-1.8	172.8	115	-172.5
2392	-1.6	174.6	113	-172.2
0	-1.6	176.3	111	-172.5
2393	-1.4	178.0	109	-171.4
0	3.9	179.7	108	-170.6
2394	12.1	181.4	106	-167.9
0	13.4	183.0	104	-163.4
2395	8.3	184.6	103	-159.2
0	1.9	186.2	101	-156.8
2396	0.0	187.8	100	-155.4
0	3.9	189.3	98	-154.4
2397	11.0	190.8	97	-151.4
0	15.5	192.3	95	-147.4
2398				
0				
2399				
0				
2400				
0				
2401				

2425	10.3	193.7	94	-147.2
0	-3.8	194.8	93	-108.6
2426	-14.2	195.8	92	-94.7
0	-32.3	196.5	91	-71.6
2427	-38.0	197.1	90	-63.3
0	-22.6	197.6	90	-45.7
2428	-1.4	198.0	89	-34.6
0	1.8	198.3	89	-29.2
2429	6.4	198.5	89	-20.7
0	18.8	198.6	89	-12.7
2430	18.7	198.7	89	-8.5
0	10.2	198.8	89	-4.2
2431	2.0	198.8	89	-3.9
0	1.2	198.9	89	-3.4
2432	8.3	198.9	89	-1.8
0	18.6	198.9	89	0.5
2433	25.8	198.9	89	3.9
0	24.7	198.8	89	9.5
2434	17.6	198.6	89	15.4
0	11.4	198.4	89	19.9
2435	11.7	198.2	89	25.2
0	18.4	197.9	90	26.0
2436	26.8	197.5	90	30.8
0	30.5	197.2	90	37.2
2437	27.7	196.7	91	44.7
0	19.8	196.1	91	62.5
2438	13.6	195.5	92	62.0
0	12.7	194.9	93	59.1
2439	17.9	194.2	93	62.2
0	24.4	193.5	94	66.8
2440	27.0	192.7	95	72.6
0	23.3	191.8	96	88.1
2441	16.8	190.8	97	94.5
0	12.3	189.9	98	98.5
2442	12.3	188.9	99	102.2
0	17.5	187.8	100	105.4
2443	21.8	186.7	101	110.2
0	22.0	185.6	102	116.3
2444	17.5	184.4	103	121.9
0	12.6	183.1	104	126.7
2445	10.7	181.8	106	129.6
0	11.9	180.5	107	132.5
2446	16.5	179.2	108	135.5
0	19.7	177.8	110	140.0
2447	19.0	176.3	111	144.8
0	13.8	174.8	113	149.6
2448	9.1	173.3	114	152.8
0	6.8	171.8	116	154.9
2449	8.3	170.2	117	156.2
0	13.0	168.6	119	158.1
2450	16.5	167.0	120	161.3
0	15.6	165.4	122	165.3
2451	11.4	163.7	124	169.0
0	7.1	162.0	125	171.7
2452				
0				
2453				
0				
2454				
0				
2455				

2479	6.6	160.3	12	173.0
0	9.8	158.5	7	174.3
2480	13.2	156.8	12	176.7
0	15.1	155.0	9	178.9
2481	15.3	153.2	13	179.4
0	14.9	151.4	1	179.1
2482	13.7	149.6	13	179.1
0	12.6	147.8	2	179.1
2483	12.5	146.0	13	179.4
0	13.0	144.2	4	179.1
2484	14.5	142.4	13	179.4
0	15.6	140.6	6	179.7
2485	15.6	138.8	13	179.7
0	14.6	137.0	8	179.7
2486	13.4	135.2	14	179.7
0	12.6	133.5	0	179.4
2487	12.5	131.7	14	179.4
0	12.9	129.9	1	179.7
2488	13.7	128.1	14	179.7
0	13.8	126.3	3	179.7
2489	13.8	124.5	14	179.7
0	13.8	122.7	5	179.7
2490	13.0	120.9	14	179.7
0	12.7	119.1	7	179.7
2491	12.6	117.3	14	179.4
0	13.0	115.5	9	179.7
2492	13.4	113.7	15	179.9
0	13.2	111.9	0	179.7
2493	12.6	110.1	15	179.4
0	11.8	108.3	2	179.7
2494	11.4	106.5	15	179.7
0	11.7	104.7	4	179.4
2495	11.4	102.9	15	179.7
0	11.1	101.1	6	179.4
2496	11.0	99.3	15	179.4
0	11.5	97.5	8	179.7
2497	11.5	95.7	15	179.4
0	10.8	93.9	9	179.7
2498	9.8	92.1	16	179.7
0	8.5	90.3	1	179.4
2499	8.0	88.5	16	179.4
0	8.3	86.8	3	179.7
2500	7.9	85.0	16	179.4
0	6.6	83.2	5	179.4
2501	5.0	81.4	16	179.4
0	3.8	79.6	7	179.1
2502	3.3	77.8	16	179.4
0	2.6	76.0	8	179.4
2503	1.9	74.2	17	179.4
0	1.8	72.4	0	179.1
2504	1.8	70.6	17	178.9
0	1.8	68.8	2	178.6
2505	1.5	67.0	17	178.1
0	-0.4	65.3	4	177.5
2506			17	
0			6	
2507			17	
0			7	
2508			17	
0			9	
2509			12	

2533	-4.6	63.5	22	174.3
0	-6.5	61.9	4	154.4
2534	3.1	60.3	22	157.8
0	21.0	59.1	6	110.7
2535	49.1	58.2	22	85.9
0	58.3	57.5	7	72.9
2536	39.9	57.0	22	50.3
0	15.2	56.6	8	36.4
2537	-0.5	56.3	22	28.7
0	-0.1	56.1	9	19.7
2538	0.0	55.9	23	16.2
0	-1.1	55.8	0	11.1
2539	-14.2	55.7	23	8.5
0	-28.2	55.7	0	1.5
2540	-36.3	55.7	23	-4.2
0	-30.0	55.8	1	-11.4
2541	-15.6	56.0	23	-18.3
0	-3.3	56.2	1	-23.6
2542	-2.2	56.5	23	-26.6
0	-11.0	56.7	1	-27.6
2543	-19.7	57.0	23	-28.2
0	-23.7	57.3	2	-30.3
2544	-21.7	57.7	23	-36.2
0	-19.9	58.1	2	-41.5
2545	-21.2	58.6	23	-46.5
0	-24.7	59.2	2	-51.6
2546	-25.0	59.8	23	-70.5
0	-20.6	60.5	2	-77.7
2547	-14.1	61.3	23	-83.8
0	-11.5	62.1	2	-87.5
2548	-14.4	62.9	23	-82.7
0	-19.8	63.8	2	-87.0
2549	-23.3	64.7	23	-92.3
0	-22.2	65.6	1	-98.7
2550	-18.0	66.7	23	-105.1
0	-14.8	67.8	1	-109.4
2551	-15.7	68.9	23	-113.4
0	-18.8	70.1	1	-117.6
2552	-20.9	71.3	23	-122.7
0	-19.5	72.5	1	-128.5
2553	-15.9	73.9	23	-132.8
0	-14.4	75.2	0	-137.3
2554	-16.7	76.6	23	-140.8
0	-21.0	78.1	0	-145.6
2555	-24.4	79.6	23	-151.2
0	-22.5	81.1	0	-157.6
2556	-18.2	82.7	22	-163.1
0	-15.1	84.4	9	-167.7
2557	-16.3	86.1	22	-171.4
0	-20.9	87.9	9	-174.6
2558	-26.4	89.6	22	-175.1
0	-29.7	91.4	8	-175.7
2559	-29.0	93.1	22	-175.9
0	-27.5	94.9	8	-175.4
2560			22	
0			7	
2561			22	
0			6	
2562			22	
0			5	
2563			22	

2587	-27.7	96.6	191	-175.4
0	-30.0	98.4	189	-175.7
2588	-32.4	100.1	187	-175.7
0	-33.6	101.9	186	-176.2
2589	-33.0	103.7	184	-175.9
0	-31.3	105.4	182	-175.9
2590	-30.5	107.2	180	-175.9
0	-30.5	108.9	179	-175.7
2591	-30.9	110.7	177	-175.7
0	-31.5	112.5	175	-175.9
2592	-32.0	114.2	173	-175.7
0	-32.3	116.0	171	-175.9
2593	-31.2	117.7	170	-175.9
0	-29.4	119.5	168	-175.7
2594	-27.5	121.2	166	-175.4
0	-26.6	123.0	164	-175.7
2595	-26.6	124.8	163	-175.4
0	-26.6	126.5	161	-175.4
2596	-26.0	128.3	159	-175.4
0	-24.8	130.0	157	-175.1
2597	-23.7	131.8	156	-175.1
0	-23.3	133.5	154	-175.1
2598	-23.1	135.3	152	-174.9
0	-22.1	137.0	150	-174.9
2599	-21.0	138.8	149	-175.1
0	-20.3	140.5	147	-174.9
2600	-19.8	142.3	145	-174.9
0	-19.5	144.0	143	-175.1
2601	-18.2	145.8	142	-174.9
0	-16.0	147.5	140	-174.6
2602	-14.1	149.3	138	-174.3
0	-13.8	151.0	136	-174.1
2603	-13.7	152.7	135	-174.3
0	-13.3	154.5	133	-174.3
2604	-11.9	156.2	131	-173.8
0	-9.5	158.0	129	-173.8
2605	-7.3	159.7	128	-173.8
0	-7.1	161.4	126	-173.5
2606	-7.1	163.2	124	-173.8
0	-6.4	164.9	123	-173.5
2607	-5.4	166.7	121	-173.3
0	-5.2	168.4	119	-173.5
2608	-4.7	170.1	117	-173.3
0	-3.8	171.9	116	-173.3
2609	-2.4	173.6	114	-173.3
0	-1.8	175.3	112	-173.0
2610	-1.6	177.0	110	-172.5
0	-1.6	178.8	109	-172.5
2611	-1.6	180.5	107	-171.7
0	0.7	182.2	105	-171.4
2612	8.1	183.9	104	-169.5
0	13.3	185.6	102	-165.3
2613	11.5	187.2	100	-160.7
0	6.2	188.8	99	-156.8
2614				
0				
2615				
0				
2616				
0				
2617				

2641	2.7	190.3	97	-154.6
0	4.5	191.9	96	-153.0
2642	9.1	193.4	94	-162.3
0	3.3	194.6	93	-119.8
2643	-2.6	195.6	92	-85.7
0	-12.2	196.4	91	-76.4
2644	-28.2	197.1	90	-67.3
0	-30.1	197.6	90	-48.9
2645	-13.8	198.0	89	-41.5
0	1.2	198.3	89	-28.4
2646	3.8	198.5	89	-19.7
0	17.2	198.7	89	-16.2
2647	25.6	198.8	89	-9.0
0	20.2	198.8	89	-0.7
2648	10.4	198.8	89	0.5
0	3.0	198.8	89	3.7
2649	5.0	198.7	89	3.9
0	14.2	198.7	89	5.5
2650	24.8	198.6	89	9.3
0	28.5	198.4	89	19.1
2651	24.4	198.2	89	24.7
0	16.7	197.9	90	27.9
2652	12.3	197.5	90	39.1
0	15.1	197.2	90	42.8
2653	22.4	196.7	91	47.6
0	28.5	196.3	91	54.5
2654	29.2	195.7	92	62.8
0	23.9	195.1	92	64.9
2655	16.4	194.4	93	64.1
0	12.3	193.7	94	67.8
2656	14.0	192.9	95	70.5
0	19.8	192.0	95	82.7
2657	24.4	191.2	96	88.3
0	24.1	190.2	97	95.0
2658	19.4	189.2	98	101.1
0	14.2	188.2	99	106.4
2659	12.3	187.1	100	110.2
0	14.1	186.0	101	113.4
2660	18.0	184.8	103	117.4
0	20.7	183.6	104	122.1
2661	19.1	182.3	105	127.7
0	14.1	181.0	106	132.3
2662	10.4	179.7	108	136.0
0	11.0	178.3	109	138.9
2663	14.6	176.9	111	141.6
0	18.6	175.4	112	145.3
2664	19.3	173.9	114	149.8
0	15.5	172.4	115	154.6
2665	10.2	170.8	117	158.6
0	7.5	169.2	118	160.7
2666	9.8	167.6	120	162.3
0	14.0	166.0	121	164.5
2667	17.2	164.3	123	167.7
0	16.5	162.6	125	171.7
2668				
0				
2669				
0				
2670				
0				
2671				

2695	12.5	160.8	12	175.7
0	8.5	159.1	7	178.1
2696	6.8	157.3	12	178.6
0	9.2	155.5	8	179.1
2697	13.2	153.7	13	179.4
0	16.0	151.9	0	179.9
2698	16.3	150.1	13	179.9
0	14.4	148.3	2	179.9
2699	11.9	146.5	13	179.7
0	10.7	144.7	4	179.4
2700	11.1	142.9	13	179.4
0	13.2	141.1	6	179.7
2701	14.9	139.3	13	179.7
0	14.8	137.5	7	179.9
2702	12.3	135.7	13	179.9
0	10.3	133.9	9	179.7
2703	9.4	132.1	14	179.4
0	9.8	130.3	1	179.4
2704	12.1	128.5	14	179.7
0	13.7	126.7	3	179.9
2705	14.2	124.9	14	179.9
0	14.2	123.1	5	179.7
2706	12.6	121.3	14	179.7
0	11.1	119.6	6	179.7
2707	10.6	117.8	14	179.7
0	11.1	116.0	8	179.9
2708	12.1	114.2	15	179.7
0	12.3	112.4	0	179.4
2709	11.9	110.6	15	179.7
0	11.4	108.8	2	179.7
2710	11.5	107.0	15	179.7
0	12.6	105.2	4	179.7
2711	13.4	103.4	15	179.9
0	13.4	101.6	5	179.7
2712	12.9	99.8	15	179.9
0	11.9	98.0	7	179.9
2713	11.5	96.2	15	179.9
0	11.0	94.4	9	179.7
2714	10.8	92.6	16	179.9
0	10.4	90.8	1	179.7
2715	9.9	89.0	16	179.7
0	9.9	87.2	3	179.7
2716	9.2	85.4	16	179.7
0	7.9	83.6	4	179.7
2717	6.4	81.8	16	179.4
0	5.3	80.0	6	179.4
2718	5.2	78.2	16	179.4
0	3.9	76.4	8	179.4
2719	2.6	74.6	17	179.4
0	1.8	72.8	0	179.1
2720	1.8	71.0	17	178.9
0	1.6	69.3	1	178.6
2721	1.6	67.5	17	178.3
0	0.7	65.7	3	177.8
2722			17	
0			5	
2723			17	
0			7	
2724			17	
0			9	
2725			12	

2749	-2.7	63.9	22	175.7
0	-5.0	62.3	4	155.4
2750	2.4	60.7	22	137.9
0	12.1	59.4	5	118.4
2751	42.7	58.4	22	81.9
0	55.9	57.6	7	71.3
2752	44.5	57.1	22	54.3
0	19.1	56.6	8	35.1
2753	-1.2	56.3	22	27.9
0	-0.4	56.1	9	20.4
2754	0.3	55.9	23	14.1
0	-0.4	55.8	0	11.7
2755	-10.3	55.7	23	9.5
0	-24.0	55.7	0	3.7
2756	-36.2	55.7	23	-2.3
0	-33.9	55.8	1	-10.3
2757	-19.9	55.9	23	-17.5
0	-3.1	56.2	1	-26.6
2758	-0.3	56.4	23	-25.0
0	-8.8	56.7	1	-22.8
2759	-22.8	57.0	23	-31.1
0	-29.6	57.3	2	-34.3
2760	-27.8	57.7	23	-38.0
0	-22.0	58.1	2	-44.4
2761	-19.3	58.7	23	-50.0
0	-22.0	59.3	2	-60.6
2762	-25.2	60.0	23	-73.2
0	-24.0	60.7	2	-80.3
2763	-18.0	61.5	23	-87.5
0	-12.5	62.3	2	-92.3
2764	-11.5	63.1	23	-87.3
0	-16.1	64.0	2	-90.7
2765	-22.2	65.0	23	-95.3
0	-24.3	66.0	2	-101.4
2766	-20.7	67.0	23	-107.8
0	-14.9	68.2	1	-113.1
2767	-11.9	69.3	23	-117.1
0	-13.4	70.5	1	-120.0
2768	-17.1	71.7	23	-123.7
0	-18.8	73.0	1	-128.3
2769	-17.2	74.3	23	-133.1
0	-14.4	75.7	0	-137.3
2770	-13.7	77.1	23	-141.0
0	-17.0	78.5	0	-144.2
2771	-20.5	80.0	23	-149.0
0	-21.0	81.5	0	-154.1
2772	-17.4	83.1	22	-159.4
0	-13.0	84.8	9	-163.4
2773	-11.9	86.4	22	-166.6
0	-15.1	88.1	9	-169.5
2774	-19.4	89.8	22	-173.0
0	-21.3	91.6	8	-174.9
2775	-21.7	93.3	22	-174.9
0	-22.4	95.1	7	-174.6
2776			22	
0			7	
2777			22	
0			6	
2778			22	
0			5	
2779			22	

2803	-24.0	96.8	191	-174.9
0	-26.3	98.6	189	-175.1
2804	-27.9	100.3	187	-175.4
0	-28.9	102.1	185	-175.9
2805	-28.5	103.8	184	-175.7
0	-27.9	105.6	182	-175.4
2806	-28.1	107.4	180	-175.4
0	-27.9	109.1	178	-175.4
2807	-27.5	110.9	177	-175.4
0	-27.4	112.6	175	-175.4
2808	-27.8	114.4	173	-175.7
0	-28.5	116.1	171	-175.4
2809	-28.5	117.9	170	-175.7
0	-27.4	119.6	168	-175.4
2810	-25.6	121.4	166	-175.7
0	-25.1	123.2	164	-175.4
2811	-25.4	124.9	163	-175.1
0	-25.9	126.7	161	-175.1
2812	-25.8	128.4	159	-175.4
0	-24.8	130.2	157	-175.1
2813	-24.3	131.9	156	-175.1
0	-24.4	133.7	154	-175.1
2814	-24.0	135.4	152	-174.9
0	-23.3	137.2	150	-175.1
2815	-22.5	138.9	149	-175.1
0	-22.2	140.7	147	-175.1
2816	-22.5	142.4	145	-175.1
0	-23.2	144.2	143	-175.1
2817	-22.9	145.9	142	-174.9
0	-21.4	147.7	140	-174.9
2818	-20.6	149.4	138	-174.9
0	-20.6	151.2	136	-174.9
2819	-21.2	152.9	135	-175.1
0	-21.3	154.7	133	-174.9
2820	-20.1	156.4	131	-174.6
0	-18.6	158.2	129	-174.6
2821	-17.5	159.9	128	-174.3
0	-17.6	161.7	126	-174.6
2822	-17.1	163.4	124	-174.6
0	-16.0	165.2	122	-174.6
2823	-14.6	166.9	121	-174.1
0	-12.9	168.6	119	-174.1
2824	-11.3	170.4	117	-174.1
0	-9.2	172.1	115	-173.8
2825	-6.9	173.9	114	-173.8
0	-4.2	175.6	112	-173.5
2826	-2.3	177.3	110	-173.0
0	-1.6	179.1	108	-173.3
2827	-1.5	180.8	107	-172.5
0	-1.6	182.5	105	-172.5
2828	-1.2	184.2	103	-172.2
0	5.0	186.0	101	-171.1
2829	14.4	187.6	100	-167.7
0	17.1	189.3	98	-162.6
2830				
0				
2831				
0				
2832				
0				
2833				

2857	11.7	190.9	97	-156.8
0	4.3	192.4	95	-153.6
2858	-2.7	193.8	94	-141.8
0	-2.8	195.0	92	-100.0
2859	-17.8	195.9	92	-89.1
0	-36.6	196.7	91	-78.5
2860	-38.1	197.3	90	-57.2
0	-19.8	197.8	90	-47.6
2861	0.8	198.1	89	-32.4
0	1.8	198.4	89	-22.3
2862	11.9	198.6	89	-20.4
0	19.5	198.7	89	-13.3
2863	16.5	198.8	89	-6.1
0	8.0	198.8	89	-1.8
2864	0.8	198.8	89	-1.0
0	2.7	198.9	89	-1.3
2865	10.6	198.9	89	0.2
0	21.3	198.9	89	1.0
2866	26.3	198.8	89	6.6
0	22.9	198.7	89	15.7
2867	15.2	198.5	89	20.4
0	9.5	198.2	89	21.8
2868	11.4	198.0	89	24.4
0	18.8	197.7	90	27.9
2869	26.4	197.3	90	32.7
0	27.8	196.9	91	39.1
2870	22.2	196.4	91	45.7
0	13.7	195.9	92	62.0
2871	9.6	195.3	92	59.9
0	11.9	194.7	93	56.1
2872	19.5	194.0	93	59.3
0	26.0	193.3	94	64.4
2873	26.4	192.6	95	70.5
0	20.1	191.7	96	85.4
2874	12.7	190.8	97	90.7
0	8.8	189.9	98	93.7
2875	10.8	188.9	99	96.3
0	17.6	187.9	100	99.5
2876	22.5	186.9	101	104.0
0	22.1	185.8	102	110.2
2877	15.9	184.7	103	115.8
0	10.4	183.5	104	120.0
2878	8.7	182.2	105	122.4
0	11.7	181.0	106	124.8
2879	17.0	179.7	108	128.0
0	20.7	178.4	109	132.8
2880	19.1	177.0	110	138.1
0	13.0	175.6	112	142.6
2881	8.7	174.2	113	145.6
0	7.3	172.7	115	147.4
2882	10.2	171.2	116	149.0
0	15.1	169.7	118	151.4
2883	17.0	168.2	119	155.2
0	14.2	166.6	121	159.2
2884				
0				
2885				
0				
2886				
0				
2887				

2911	8.3	165.0	12	162.3
0	3.4	163.3	2	163.9
2912	2.3	161.7	12	164.2
0	4.6	160.0	4	164.2
2913	8.1	158.4	12	165.3
0	9.6	156.7	6	166.9
2914	8.1	155.1	12	168.5
0	4.6	153.4	7	170.1
2915	2.6	151.6	12	170.6
0	3.0	149.9	9	170.6
2916	6.0	148.2	13	170.6
0	9.2	146.5	1	171.7
2917	9.9	144.8	13	173.8
0	8.1	143.0	2	175.7
2918	5.4	141.3	13	177.0
0	3.5	139.5	4	178.1
2919	4.1	137.7	13	178.3
0	5.7	135.9	6	178.6
2920	8.1	134.1	13	179.1
0	9.8	132.3	8	179.7
2921	9.2	130.5	13	179.4
0	7.1	128.7	9	179.4
2922	5.2	126.9	14	179.4
0	4.6	125.2	1	179.1
2923	5.8	123.4	14	179.4
0	7.3	121.6	3	179.4
2924	8.1	119.8	14	179.7
0	8.3	118.0	4	179.9
2925	6.9	116.2	14	179.7
0	6.1	114.4	6	179.7
2926	5.7	112.6	14	179.4
0	6.2	110.8	8	179.4
2927	7.1	109.0	15	179.7
0	7.7	107.2	0	179.7
2928	8.0	105.4	15	179.9
0	7.2	103.6	2	179.7
2929	6.1	101.8	15	179.4
0	5.6	100.0	3	179.4
2930	6.0	98.2	15	179.7
0	7.1	96.4	5	179.7
2931	7.5	94.6	15	179.7
0	6.8	92.8	7	179.4
2932	6.0	91.0	15	179.7
0	5.0	89.2	9	179.4
2933	5.0	87.4	16	179.4
0	5.2	85.6	1	179.7
2934	4.5	83.8	16	179.4
0	3.7	82.0	2	179.7
2935	2.8	80.2	16	179.4
0	2.2	78.4	4	179.4
2936	1.9	76.6	16	179.1
0	1.8	74.9	6	179.4
2937	1.8	73.1	16	178.6
0	1.8	71.3	8	178.6
2938			16	
0			9	
2939			17	
0			1	
2940			17	
0			3	
2941			17	

2965	1.2	69.5	21	178.1
0	-2.0	67.7	8	176.7
2966	-5.7	66.0	22	173.3
0	-5.3	64.3	0	170.6
2967	-2.3	62.6	22	168.5
0	2.0	61.0	1	159.2
2968	4.7	59.7	22	110.4
0	28.9	58.7	3	96.3
2969	49.0	57.9	22	67.6
0	45.6	57.2	5	58.3
2970	24.0	56.8	22	43.6
0	3.7	56.4	6	28.4
2971	-0.9	56.2	22	23.1
0	1.1	56.0	8	19.7
2972	0.7	55.8	22	13.5
0	-1.9	55.7	9	11.4
2973	-1.1	55.6	23	7.9
0	-14.9	55.6	0	5.8
2974	-30.8	55.6	23	-0.7
0	-32.7	55.6	0	-6.6
2975	-19.1	55.7	23	-14.3
0	-5.0	55.9	1	-17.8
2976	-0.4	56.1	23	-17.0
0	-10.4	56.3	1	-17.5
2977	-25.0	56.5	23	-25.0
0	-30.2	56.8	1	-29.2
2978	-24.0	57.1	23	-33.5
0	-14.6	57.5	1	-39.1
2979	-11.1	58.0	23	-42.8
0	-15.9	58.5	2	-46.0
2980	-23.2	59.1	23	-60.9
0	-25.2	59.7	2	-67.6
2981	-20.3	60.3	23	-75.0
0	-14.8	61.1	2	-80.9
2982	-14.4	61.8	23	-85.1
0	-19.3	62.6	2	-89.1
2983	-24.0	63.5	23	-86.7
0	-23.6	64.4	2	-93.1
2984	-19.0	65.4	23	-99.3
0	-14.0	66.4	2	-104.8
2985	-13.2	67.5	23	-108.3
0	-16.7	68.6	2	-111.8
2986	-20.6	69.7	23	-116.3
0	-21.0	71.0	2	-121.6
2987	-18.0	72.2	23	-127.7
0	-14.6	73.5	1	-131.7
2988	-14.4	74.9	23	-135.7
0	-17.6	76.3	1	-139.5
2989	-21.6	77.7	23	-144.2
0	-22.5	79.2	1	-149.8
2990	-20.2	80.7	23	-155.7
0	-16.5	82.3	1	-160.7
2991	-14.6	83.9	23	-164.5
0	-16.0	85.6	0	-168.7
2992			23	
0			0	
2993			22	
0			9	
2994			22	
0			9	
2995			22	

3019	-19.5	87.3	20	-172.7
0	-22.9	89.1	0	-174.9
3020	-25.9	90.8	19	-175.4
0	-27.0	92.6	8	-175.4
3021	-27.1	94.3	19	-175.4
0	-27.9	96.1	7	-175.7
3022	-29.3	97.9	19	-175.4
0	-30.4	99.6	5	-175.9
3023	-30.5	101.4	19	-175.9
0	-30.0	103.1	3	-175.4
3024	-29.6	104.9	19	-175.7
0	-30.0	106.6	1	-175.7
3025	-31.1	108.4	19	-175.9
0	-31.3	110.2	0	-176.2
3026	-31.5	111.9	18	-175.9
0	-31.9	113.7	8	-175.7
3027	-31.9	115.4	18	-175.7
0	-31.5	117.2	6	-175.9
3028	-30.1	119.0	18	-175.9
0	-28.7	120.7	4	-175.7
3029	-27.9	122.5	18	-175.7
0	-28.1	124.2	3	-175.4
3030	-28.7	126.0	18	-175.7
0	-28.3	127.7	1	-175.9
3031	-27.4	129.5	17	-175.4
0	-26.4	131.3	9	-175.7
3032	-26.4	133.0	17	-175.4
0	-26.6	134.8	7	-175.4
3033	-26.0	136.5	17	-175.7
0	-25.0	138.3	6	-175.4
3034	-23.7	140.0	17	-175.4
0	-22.8	141.8	4	-175.1
3035	-23.1	143.5	17	-175.4
0	-22.9	145.3	2	-174.9
3036	-21.6	147.0	17	-175.4
0	-20.3	148.8	0	-174.9
3037	-19.9	150.5	16	-174.6
0	-19.7	152.3	8	-174.9
3038	-19.1	154.0	16	-174.9
0	-17.4	155.8	7	-174.6
3039	-15.1	157.5	16	-174.6
0	-13.6	159.3	5	-174.1
3040	-13.4	161.0	16	-174.3
0	-13.2	162.7	3	-174.3
3041	-12.5	164.5	16	-173.8
0	-10.6	166.2	1	-173.8
3042	-8.7	168.0	16	-173.8
0	-6.8	169.7	0	-173.3
3043	-5.4	171.4	15	-173.8
0	-4.1	173.2	8	-173.5
3044	-3.0	174.9	15	-173.3
0	-2.2	176.6	6	-173.0
3045	-1.8	178.4	15	-173.0
0	-1.6	180.1	4	-172.7
3046			15	
0			3	
3047			15	
0			1	
3048			14	
0			9	
3049			14	

3073	-1.6	181.8	106	-172.5
0	-1.6	183.5	104	-172.2
3074	-1.4	185.3	102	-171.7
0	1.8	187.0	100	-171.1
3075	9.5	188.7	99	-168.7
0	12.9	190.3	97	-164.7
3076	9.6	191.9	96	-160.5
0	1.9	193.5	94	-169.0
3077	-3.5	194.7	93	-122.9
0	-23.3	195.8	92	-96.3
3078	-52.2	196.6	91	-78.2
0	-56.7	197.3	90	-61.7
3079	-35.5	197.8	90	-42.0
0	-4.9	198.1	89	-37.2
3080	2.2	198.4	89	-25.5
0	9.6	198.6	89	-16.5
3081	19.4	198.7	89	-12.7
0	16.8	198.8	89	-5.0
3082	5.8	198.8	89	-1.3
0	-0.4	198.9	89	-1.8
3083	1.8	198.9	89	-2.3
0	10.8	198.9	89	0.2
3084	23.3	198.9	89	2.6
0	28.2	198.8	89	8.2
3085	23.2	198.7	89	14.1
0	13.2	198.4	89	19.9
3086	6.6	198.2	89	22.8
0	8.9	197.9	90	25.0
3087	18.4	197.6	90	27.4
0	27.8	197.3	90	32.2
3088	29.2	196.9	91	38.8
0	22.5	196.4	91	45.7
3089	11.8	195.8	92	62.0
0	6.1	195.2	92	59.6
3090	8.5	194.6	93	55.3
0	16.8	194.0	93	57.5
3091	24.8	193.3	94	61.7
0	25.4	192.6	95	75.6
3092	18.2	191.8	96	82.5
0	9.4	190.9	97	87.0
3093	5.2	190.0	97	89.1
0	8.7	189.1	98	90.7
3094	16.7	188.2	99	93.1
0	22.8	187.2	100	97.9
3095	21.6	186.2	101	104.0
0	14.1	185.1	102	109.4
3096	8.0	184.0	103	112.8
0	8.3	182.8	105	115.0
3097	14.1	181.7	106	116.8
0	20.1	180.5	107	120.8
3098	21.6	179.2	108	126.1
0	17.9	177.9	110	131.7
3099	10.6	176.6	111	136.0
0	5.7	175.2	112	138.4
3100				
0				
3101				
0				
3102				
0				
3103				

3127	6.4	173.8	11	139.2
0	11.1	172.4	4	140.8
3128	15.9	171.0	11	143.7
0	16.8	169.5	5	148.0
3129	14.1	168.0	11	152.0
0	8.5	166.4	6	155.2
3130	5.8	164.9	11	157.0
0	6.9	163.3	8	158.1
3131	10.7	161.7	11	159.7
0	14.4	160.1	9	162.1
3132	14.4	158.5	12	165.5
0	11.1	156.8	1	168.7
3133	8.0	155.1	12	171.1
0	7.1	153.3	3	172.5
3134	9.2	151.6	12	174.1
0	11.7	149.9	4	175.9
3135	12.6	148.1	12	178.3
0	11.3	146.3	6	179.1
3136	9.5	144.5	12	178.9
0	8.4	142.7	7	178.9
3137	8.7	140.9	12	179.4
0	9.8	139.1	9	179.4
3138	11.4	137.3	13	179.4
0	12.6	135.5	1	179.7
3139	13.2	133.7	13	179.9
0	12.6	131.9	2	179.7
3140	11.5	130.1	13	179.7
0	11.5	128.3	4	179.4
3141	11.8	126.5	13	179.7
0	12.5	124.7	6	179.7
3142	13.6	122.9	13	179.9
0	13.6	121.1	8	179.9
3143	13.2	119.3	13	179.9
0	12.6	117.6	9	179.4
3144	12.5	115.8	14	179.7
0	12.6	114.0	1	179.9
3145	12.5	112.2	14	179.9
0	12.5	110.4	3	179.9
3146	12.3	108.6	14	179.7
0	12.2	106.8	5	179.7
3147	12.2	105.0	14	179.9
0	11.9	103.2	7	179.9
3148	11.5	101.4	14	179.7
0	11.4	99.6	8	179.7
3149	11.5	97.8	15	179.7
0	11.8	96.0	0	179.7
3150	11.0	94.2	15	179.7
0	9.8	92.4	2	179.7
3151	8.7	90.6	15	179.4
0	7.9	88.8	4	179.4
3152	8.1	87.0	15	179.7
0	7.9	85.2	6	179.7
3153	7.1	83.4	15	179.4
0	5.8	81.6	7	179.4
3154			15	
0			9	
3155			16	
0			1	
3156			16	
0			3	
3157			16	

3181	5.3	79.8	20	179.4
0	5.3	78.0	8	179.4
3182	4.9	76.2	20	179.4
0	4.1	74.4	9	179.7
3183	3.0	72.6	21	179.4
0	2.0	70.9	1	179.4
3184	1.9	69.1	21	179.1
0	1.8	67.3	3	178.6
3185	1.8	65.5	21	178.9
0	1.4	63.7	5	178.1
3186	-1.8	62.0	21	159.7
0	2.2	60.4	7	136.0
3187	10.4	59.2	21	115.2
0	40.8	58.2	8	79.0
3188	55.7	57.5	22	68.6
0	46.2	56.9	0	51.6
3189	19.8	56.5	22	33.0
0	-2.0	56.2	2	25.8
3190	-0.8	56.0	22	20.4
0	0.1	55.9	4	14.1
3191	-3.1	55.8	22	11.4
0	-12.5	55.7	5	7.1
3192	-22.0	55.6	22	2.1
0	-29.7	55.7	7	-3.1
3193	-29.6	55.7	22	-9.5
0	-20.1	55.9	8	-18.9
3194	-8.7	56.1	22	-24.4
0	-4.2	56.4	9	-26.6
3195	-8.5	56.6	23	-25.5
0	-18.4	56.9	0	-25.2
3196	-26.6	57.2	23	-37.0
0	-27.7	57.6	1	-44.9
3197	-24.1	58.1	23	-53.2
0	-20.1	58.6	1	-60.4
3198	-19.3	59.2	23	-66.2
0	-20.1	59.8	1	-71.6
3199	-20.3	60.5	23	-78.0
0	-18.4	61.3	1	-83.8
3200	-16.8	62.1	23	-89.1
0	-16.8	62.9	2	-85.4
3201	-18.8	63.8	23	-90.2
0	-21.4	64.8	2	-95.5
3202	-22.8	65.7	23	-101.1
0	-21.8	66.8	2	-107.8
3203	-18.6	67.9	23	-113.4
0	-16.5	69.1	2	-118.4
3204	-16.3	70.3	23	-122.4
0	-18.3	71.6	2	-126.9
3205	-20.1	72.9	23	-131.7
0	-20.3	74.2	2	-137.1
3206	-19.4	75.6	23	-142.4
0	-18.6	77.1	2	-147.4
3207	-19.7	78.6	23	-152.2
0	-20.9	80.2	1	-157.6
3208			23	
0			1	
3209			23	
0			1	
3210			23	
0			1	
3211			23	

3235	-20.9	81.8	20	-162.6
0	-19.4	83.5	6	-168.2
3236	-17.9	85.2	20	-173.3
0	-19.5	86.9	4	-174.6
3237	-25.0	88.7	20	-174.9
0	-30.1	90.4	2	-175.4
3238	-31.3	92.2	20	-175.9
0	-30.0	94.0	1	-175.9
3239	-28.3	95.7	19	-175.4
0	-29.0	97.5	9	-175.4
3240	-30.8	99.2	19	-175.7
0	-31.9	101.0	7	-175.9
3241	-32.3	102.7	19	-175.7
0	-31.1	104.5	5	-175.9
3242	-29.4	106.3	19	-175.7
0	-28.9	108.0	3	-175.7
3243	-28.6	109.8	19	-175.9
0	-29.2	111.5	2	-175.7
3244	-30.1	113.3	19	-175.4
0	-30.8	115.0	0	-175.7
3245	-30.6	116.8	18	-175.9
0	-29.7	118.6	8	-175.7
3246	-28.2	120.3	18	-175.9
0	-27.1	122.1	6	-175.4
3247	-27.0	123.8	18	-175.7
0	-27.5	125.6	5	-175.7
3248	-27.9	127.3	18	-175.4
0	-27.1	129.1	3	-175.7
3249	-25.9	130.9	18	-175.4
0	-25.2	132.6	1	-175.1
3250	-25.2	134.4	17	-175.1
0	-24.4	136.1	9	-175.4
3251	-23.2	137.9	17	-174.9
0	-21.3	139.6	8	-174.9
3252	-19.9	141.4	17	-175.1
0	-19.5	143.1	6	-174.9
3253	-19.5	144.9	17	-174.9
0	-18.0	146.6	4	-174.6
3254	-16.7	148.4	17	-174.3
0	-16.0	150.1	2	-174.6
3255	-15.9	151.8	17	-174.3
0	-15.6	153.6	1	-174.6
3256	-14.2	155.3	16	-174.6
0	-12.3	157.1	9	-174.1
3257	-11.3	158.8	16	-173.8
0	-11.5	160.6	7	-174.1
3258	-12.1	162.3	16	-174.1
0	-11.7	164.0	5	-174.1
3259	-10.3	165.8	16	-174.1
0	-8.7	167.5	4	-173.8
3260	-7.7	169.3	16	-173.5
0	-6.9	171.0	2	-173.8
3261	-5.8	172.7	16	-173.5
0	-4.5	174.5	0	-173.3
3262			15	
0			8	
3263			15	
0			7	
3264			15	
0			5	
3265			15	

3289	-3.0	176.2	111	-173.5
0	-1.8	177.9	110	-173.0
3290	-1.6	179.7	108	-172.7
0	-1.6	181.4	106	-172.7
3291	-1.6	183.1	104	-171.9
0	-0.5	184.8	103	-171.7
3292	6.6	186.5	101	-170.3
0	14.1	188.2	99	-166.1
3293	14.5	189.8	98	-161.3
0	8.8	191.4	96	-156.5
3294	3.3	193.0	94	-153.8
0	-2.3	194.3	93	-130.9
3295	-5.0	195.4	92	-92.1
0	-23.2	196.2	91	-82.2
3296	-35.5	197.0	90	-72.1
0	-28.2	197.5	90	-51.9
3297	-7.3	197.9	90	-42.5
0	1.2	198.2	89	-29.2
3298	10.6	198.5	89	-19.9
0	26.2	198.6	89	-16.7
3299	29.6	198.7	89	-7.1
0	17.8	198.8	89	-1.0
3300	6.9	198.8	89	0.0
0	3.7	198.8	89	0.7
3301	9.1	198.7	89	3.1
0	17.6	198.7	89	4.7
3302	24.7	198.6	89	9.3
0	24.8	198.4	89	17.3
3303	19.7	198.2	89	21.2
0	13.2	197.9	90	31.9
3304				
0				
3305				
0				
3306				
0				
3307				
0				
3308				
0				
3309				
0				
3310				
0				
3311				
0				
3312				
0				
3313				
0				
3314				
0				
3315				
0				
3316				
0				
3317				
0				
3318				
0				



ISOK_EXERC_DIAG_180_R_SIDE

27/07

Set #6

TIME	TORQUE	POSITION	POS (ANAT)	VELOCITY
0	0.0	196.8	91	0.0
10	0.0	196.8	91	0.2
20	1.9	196.8	91	0.2
30	2.4	196.8	91	0.7
40	1.9	196.8	91	1.5
50	1.8	196.8	91	1.3
60	1.9	196.8	91	2.6
70	9.6	196.7	91	2.9
80	20.9	196.7	91	6.1
90	25.0	196.6	91	10.6
100	19.4	196.4	91	16.5
110	10.3	196.2	91	20.4
120	4.3	196.0	91	23.1
130	6.2	195.7	92	24.2
140	14.2	195.4	92	26.0
150	22.0	195.1	92	29.8
160	23.2	194.7	93	35.4
170	17.4	194.3	93	40.7
180	9.1	193.8	94	44.7
190	5.0	193.3	94	46.5
200	7.5	192.7	95	47.9
210	14.6	192.2	95	55.6
220	19.9	191.6	96	60.1
230	19.3	190.9	97	65.2
240	13.6	190.3	97	70.5
250	7.2	189.5	98	74.0
260	5.4	188.8	99	75.6
270	9.5	188.0	99	77.2
280	16.3	187.2	100	79.8
290	20.2	186.4	101	84.6
300	18.0	185.5	102	89.7
310	12.2	184.6	103	94.2
320	7.6	183.6	104	97.7
330	7.1	182.6	105	99.3
340	10.0	181.6	106	101.1
350	14.6	180.6	107	103.8
360	15.7	179.5	108	107.8
370	14.5	178.4	109	112.0
380	10.6	177.2	110	115.5
390	7.5	176.1	111	117.9
400	7.3	174.9	113	119.5
410	10.4	173.7	114	121.3
420	13.4	172.4	115	123.7
430	14.0	171.2	116	127.2
440	11.9	169.9	118	130.7
450	9.4	168.5	119	133.3
460	8.1	167.2	120	135.5
470	8.5	165.8	122	137.3
480	10.8	164.4	123	139.2

490	12.1	163.0	12	141.6
500	11.8	161.6	4	144.5
510	10.0	160.1	12	147.4
520	8.1	158.6	6	149.6
530	6.9	157.1	12	151.4
540	7.9	155.6	7	152.8
550	9.9	154.0	12	154.4
560	11.5	152.5	9	156.5
570	11.5	150.9	13	159.4
580	9.6	149.3	0	161.8
590	7.5	147.6	13	164.2
600	6.8	146.0	2	165.5
610	7.5	144.3	13	166.6
620	9.6	142.6	3	168.2
630	10.6	141.0	13	170.1
640	9.9	139.2	5	172.5
650	8.0	137.5	13	174.6
660	6.2	135.7	7	175.9
670	6.6	134.0	13	177.3
680	8.8	132.2	8	177.5
690	11.0	130.4	14	178.3
700	12.3	128.6	0	178.9
710	11.7	126.8	14	178.9
720	9.8	125.0	1	179.4
730	8.5	123.2	14	179.1
740	8.0	121.5	3	179.1
750	8.0	119.7	14	179.4
760	8.7	117.9	5	179.4
770	8.9	116.1	14	179.7
780	8.7	114.3	6	179.7
790	7.5	112.5	14	179.4
800	6.2	110.7	8	179.7
810	6.0	108.9	15	179.4
820	6.6	107.1	0	179.7
830	7.7	105.3	15	179.9
840	7.9	103.5	2	179.7
850	6.8	101.7	15	179.7
860	5.0	99.9	3	179.7
870	3.5	98.1	15	179.4
880	2.8	96.3	5	179.4
890	2.4	94.5	15	179.4
900	2.6	92.7	7	179.4
910	2.3	90.9	15	179.4
920	2.3	89.1	9	179.1
930	2.3	87.3	16	179.1
940	2.2	85.6	1	179.1
950	2.2	83.8	16	178.9
960	2.0	82.0	2	178.6
970	2.0	80.2	16	178.3
980	2.0	78.4	4	178.3
990	1.9	76.6	16	177.8
1000	1.9	74.9	6	174.9
1010	1.8	73.1	16	174.9
1020	1.6	71.4	8	174.3

17

0

17

1

17

3

17

103	1.4	69.6	21	174.1
0	-2.0	67.9	8	173.3
104	-9.5	66.2	22	171.1
0	-12.1	64.5	0	167.1
105	-9.2	62.9	22	162.9
0	-4.6	61.4	1	140.2
106	2.7	60.0	22	137.1
0	21.6	59.0	3	98.7
107	45.3	58.1	22	85.1
0	50.0	57.5	5	61.2
108	33.8	57.0	22	46.8
0	12.6	56.6	6	38.0
109	-0.1	56.3	22	25.8
0	0.3	56.1	7	19.9
110	-0.9	56.0	22	13.8
0	-8.1	55.8	8	11.1
111	-20.9	55.8	22	7.4
0	-28.2	55.7	9	0.0
112	-26.6	55.8	23	-5.0
0	-18.2	55.9	0	-12.2
113	-9.4	56.0	23	-15.4
0	-6.6	56.2	0	-16.2
114	-12.2	56.4	23	-17.8
0	-21.6	56.6	1	-21.2
115	-28.3	56.9	23	-32.4
0	-29.3	57.2	1	-40.7
116	-26.2	57.7	23	-49.5
0	-22.6	58.2	1	-57.2
117	-20.3	58.8	23	-64.1
0	-18.7	59.4	1	-70.0
118	-17.5	60.1	23	-75.3
0	-16.0	60.8	2	-80.6
119	-15.5	61.5	23	-85.1
0	-17.1	62.4	2	-89.7
120	-20.3	63.2	23	-86.5
0	-23.3	64.1	2	-92.3
121	-25.2	65.1	23	-98.5
0	-24.4	66.1	2	-105.6
122	-21.6	67.2	23	-112.0
0	-19.0	68.4	2	-117.9
123	-18.0	69.6	23	-123.2
0	-18.7	70.9	1	-127.5
124	-20.1	72.2	23	-133.1
0	-20.6	73.6	1	-137.9
125	-20.3	75.0	23	-143.7
0	-20.1	76.4	1	-148.5
126	-20.6	78.0	23	-154.1
0	-21.7	79.6	1	-159.4
127	-21.2	81.2	23	-164.7
0	-19.1	82.9	1	-170.3
128	-17.0	84.6	23	-173.5
0	-18.2	86.4	0	-174.1
129	-22.5	88.1	23	-174.3
0	-26.3	89.8	0	-175.1
130			22	
0			9	
131			22	
0			9	
132			22	
0			8	
133			22	

157	-27.0	91.6	19	-175.1
0	-25.4	93.3	6	-175.1
158	-24.3	95.1	19	-174.6
0	-25.0	96.8	4	-174.9
159	-26.6	98.6	19	-174.9
0	-27.5	100.3	2	-174.9
160	-26.4	102.1	19	-175.1
0	-23.9	103.8	1	-174.9
161	-21.2	105.6	18	-174.6
0	-20.3	107.3	9	-174.3
162	-20.6	109.1	18	-174.3
0	-21.3	110.8	7	-174.6
163	-22.1	112.6	18	-174.6
0	-23.1	114.3	5	-174.6
164	-23.3	116.1	18	-174.6
0	-22.5	117.8	4	-174.9
165	-21.0	119.6	18	-174.3
0	-19.3	121.3	2	-174.3
166	-19.4	123.1	18	-174.6
0	-20.1	124.8	0	-174.3
167	-21.3	126.5	17	-174.6
0	-21.4	128.3	8	-174.9
168	-20.9	130.0	17	-174.6
0	-20.5	131.8	7	-174.3
169	-20.5	133.5	17	-174.3
0	-20.5	135.3	5	-174.3
170	-19.7	137.0	17	-174.3
0	-18.7	138.8	3	-174.6
171	-18.0	140.5	17	-174.3
0	-18.0	142.3	1	-174.3
172	-18.2	144.0	17	-174.3
0	-17.6	145.7	0	-174.1
173	-16.5	147.5	16	-174.1
0	-15.9	149.2	8	-174.1
174	-16.3	151.0	16	-173.8
0	-17.1	152.7	6	-174.3
175	-17.2	154.4	16	-174.1
0	-16.5	156.2	4	-174.1
176	-14.6	157.9	16	-174.1
0	-13.6	159.7	3	-173.8
177	-13.8	161.4	16	-173.8
0	-14.1	163.2	1	-174.1
178	-13.7	164.9	15	-174.1
0	-12.2	166.6	9	-173.8
179	-11.4	168.4	15	-173.5
0	-10.4	170.1	7	-173.5
180	-9.1	171.8	15	-173.3
0	-7.3	173.6	6	-173.5
181	-5.4	175.3	15	-173.3
0	-4.1	177.0	4	-173.0
182	-3.0	178.8	15	-173.0
0	-2.3	180.5	2	-172.7
183	-1.8	182.2	15	-172.5
0	-1.6	183.9	0	-172.5
184			14	
0			9	
185			14	
0			7	
186			14	
0			5	
187			14	

211	-1.6	185.7	102	-171.9
0	-1.5	187.4	100	-171.9
212	-1.2	189.1	98	-171.4
0	4.6	190.8	97	-170.1
213	11.9	192.5	95	-167.7
0	7.9	194.0	93	-150.1
214	-3.4	195.3	92	-127.2
0	-29.3	196.2	91	-91.8
215	-60.3	197.0	90	-72.9
0	-65.4	197.6	90	-51.6
216	-42.3	198.0	89	-42.5
0	-11.4	198.4	89	-27.1
217	1.8	198.6	89	-23.4
0	9.2	198.8	89	-15.9
218	17.9	198.9	89	-9.3
0	13.6	199.0	88	-6.3
219	2.8	199.0	88	-4.2
0	-0.9	199.1	88	-3.9
220	-0.1	199.1	88	-4.2
0	0.9	199.2	88	-5.3
221	8.5	199.2	88	-4.2
0	16.4	199.2	88	-0.2
222	19.4	199.2	88	2.1
0	16.4	199.1	88	5.8
223	10.7	199.0	88	9.5
0	6.9	198.9	89	12.5
224	9.5	198.8	89	14.3
0	16.7	198.6	89	16.5
225	22.9	198.4	89	21.0
0	24.0	198.1	89	26.6
226	19.5	197.7	90	39.6
0	13.6	197.3	90	40.7
227	10.0	196.9	91	39.9
0	11.9	196.4	91	42.5
228	17.9	195.9	92	45.5
0	23.1	195.4	92	50.0
229	23.5	194.8	93	55.6
0	19.1	194.1	93	60.9
230	13.3	193.4	94	65.4
0	10.4	192.7	95	68.4
231	12.2	191.9	96	79.0
0	16.5	191.0	96	82.5
232	19.3	190.2	97	87.0
0	18.2	189.3	98	92.1
233	14.8	188.3	99	96.9
0	11.0	187.3	100	100.6
234	10.8	186.3	101	103.8
0	13.0	185.2	102	106.4
235	17.1	184.1	103	109.9
0	18.4	183.0	104	114.4
236	16.1	181.8	106	119.0
0	11.1	180.6	107	123.2
237	7.7	179.3	108	125.9
0	8.4	178.1	109	128.0
238				
0				
239				
0				
240				
0				
241				

265	12.2	176.8	11	130.1
0	15.5	175.5	1	133.1
266	15.6	174.1	11	136.5
0	12.5	172.7	2	140.8
267	8.4	171.3	11	143.4
0	6.0	169.8	3	145.0
268	7.9	168.4	11	146.4
0	10.7	166.9	5	148.2
269	12.7	165.4	11	150.9
0	11.9	163.8	6	153.8
270	8.4	162.3	11	156.2
0	5.6	160.7	8	157.8
271	5.3	159.1	11	158.9
0	6.9	157.5	9	159.7
272	9.2	155.9	12	161.3
0	10.3	154.3	1	163.1
273	9.1	152.6	12	165.3
0	6.5	151.0	2	167.1
274	4.2	149.3	12	168.2
0	3.9	147.6	4	169.0
275	5.8	145.9	12	169.3
0	8.3	144.2	5	170.3
276	9.5	142.5	12	171.9
0	8.7	140.8	7	173.8
277	6.1	139.0	12	175.4
0	3.9	137.2	8	176.5
278	3.7	135.5	13	176.7
0	5.3	133.7	0	177.3
279	7.7	131.9	13	177.5
0	8.4	130.2	2	178.1
280	7.9	128.4	13	178.9
0	6.0	126.6	3	178.9
281	4.5	124.8	13	179.1
0	4.5	123.0	5	179.1
282	5.4	121.2	13	179.7
0	6.6	119.4	6	179.4
283	7.6	117.6	13	179.7
0	7.5	115.8	8	179.9
284	6.5	114.0	14	179.7
0	5.3	112.2	0	179.4
285	4.5	110.4	14	179.4
0	3.9	108.6	2	179.7
286	4.2	106.8	14	179.7
0	4.9	105.0	3	179.7
287	4.5	103.2	14	179.7
0	3.7	101.4	5	179.7
288	2.6	99.6	14	179.4
0	2.3	97.9	7	179.7
289	2.4	96.1	14	179.4
0	2.4	94.3	8	179.4
290	2.6	92.5	15	179.1
0	2.4	90.7	0	179.1
291	2.3	88.9	15	178.6
0	2.2	87.1	2	178.6
292			15	
0			4	
293			15	
0			6	
294			15	
0			7	
295			15	

319	1.9	85.3	20	178.6
0	1.9	83.5	2	178.3
320	1.9	81.8	20	178.1
0	1.8	80.0	4	177.8
321	1.9	78.2	20	176.5
0	1.9	76.5	6	174.6
322	1.9	74.7	20	174.6
0	1.8	73.0	7	174.1
323	1.6	71.2	20	173.8
0	1.5	69.5	9	173.5
324	0.1	67.8	21	173.0
0	-4.9	66.0	1	171.4
325	-8.4	64.3	21	168.7
0	-7.5	62.7	3	165.5
326	-1.5	61.1	21	171.7
0	3.4	59.8	4	123.5
327	22.8	58.8	21	105.6
0	46.5	58.0	6	76.1
328	50.6	57.4	21	59.1
0	33.1	56.9	8	39.9
329	13.2	56.5	22	32.7
0	0.1	56.3	0	23.9
330	0.4	56.1	22	18.6
0	0.1	55.9	1	12.7
331	-0.1	55.8	22	10.9
0	-0.8	55.7	3	7.7
332	-11.0	55.7	22	6.9
0	-24.3	55.6	5	1.0
333	-29.0	55.7	22	-3.1
0	-19.5	55.7	6	-9.3
334	-7.6	55.9	22	-13.3
0	-3.0	56.0	8	-15.1
335	-11.8	56.2	22	-16.2
0	-26.6	56.4	9	-23.9
336	-34.4	56.7	22	-29.0
0	-31.3	57.1	9	-34.0
337	-21.8	57.5	23	-41.7
0	-14.2	58.0	0	-47.1
338	-13.0	58.6	23	-50.3
0	-17.5	59.2	1	-65.4
339	-20.6	59.8	23	-63.8
0	-19.9	60.5	1	-62.5
340	-16.0	61.2	23	-67.0
0	-14.1	62.0	1	-70.8
341	-16.1	62.8	23	-82.2
0	-19.8	63.7	1	-87.0
342	-21.3	64.6	23	-92.3
0	-19.5	65.6	2	-97.9
343	-15.7	66.6	23	-103.2
0	-13.2	67.6	2	-107.2
344	-14.2	68.7	23	-110.7
0	-17.0	69.9	2	-114.7
345	-18.7	71.1	23	-119.2
0	-18.2	72.3	2	-124.3
346			23	
0			2	
347			23	
0			2	
348			23	
0			2	
349			23	

373	-15.9	73.6	21	-128.5
0	-13.7	74.9	4	-132.8
374	-13.7	76.2	21	-136.3
0	-15.5	77.6	3	-140.0
375	-16.8	79.1	21	-143.4
0	-16.1	80.5	1	-148.0
376	-13.3	82.0	21	-151.7
0	-10.6	83.6	0	-154.9
377	-10.3	85.1	20	-157.3
0	-12.3	86.7	8	-159.7
378	-14.8	88.4	20	-162.9
0	-14.9	90.0	7	-166.1
379	-12.3	91.7	20	-169.8
0	-9.6	93.4	5	-172.5
380	-10.0	95.2	20	-173.5
0	-14.2	96.9	4	-173.8
381	-18.4	98.6	20	-174.1
0	-19.9	100.4	2	-174.6
382	-18.2	102.1	20	-174.6
0	-15.1	103.9	1	-174.3
383	-13.7	105.6	19	-173.8
0	-15.2	107.3	9	-174.1
384	-17.9	109.1	19	-174.3
0	-19.1	110.8	7	-174.3
385	-18.0	112.6	19	-174.3
0	-16.5	114.3	6	-174.1
386	-15.2	116.1	19	-174.1
0	-14.2	117.8	4	-174.1
387	-14.2	119.5	19	-173.8
0	-14.2	121.3	2	-173.8
388	-15.2	123.0	19	-174.3
0	-15.9	124.8	1	-174.1
389	-16.0	126.5	18	-174.1
0	-15.3	128.3	9	-174.3
390	-13.8	130.0	18	-174.1
0	-13.0	131.7	7	-173.8
391	-13.6	133.5	18	-174.1
0	-14.1	135.2	5	-173.8
392	-13.8	137.0	18	-174.3
0	-13.3	138.7	4	-174.1
393	-12.7	140.4	18	-173.8
0	-12.7	142.2	2	-174.1
394	-13.8	143.9	18	-174.1
0	-14.0	145.7	0	-173.8
395	-13.4	147.4	17	-174.1
0	-12.7	149.1	8	-174.1
396	-12.9	150.9	17	-174.1
0	-13.4	152.6	7	-174.1
397	-13.2	154.4	17	-174.1
0	-12.3	156.1	5	-173.8
398	-10.8	157.8	17	-173.8
0	-10.3	159.6	3	-173.5
399	-11.3	161.3	17	-173.5
0	-11.9	163.0	1	-173.8
400			17	
0			0	
401			16	
0			8	
402			16	
0			6	
403			16	

427	-11.3	164.8	123	-174.1
0	-9.9	166.5	121	-173.5
428	-8.5	168.3	119	-173.5
0	-7.7	170.0	117	-173.0
429	-6.5	171.7	116	-173.3
0	-5.4	173.5	114	-173.3
430	-4.1	175.2	112	-173.0
0	-3.5	176.9	111	-173.0
431	-2.8	178.6	109	-173.3
0	-2.4	180.4	107	-173.0
432	-1.8	182.1	105	-173.0
0	-1.6	183.8	104	-172.5
433	-1.6	185.6	102	-171.9
0	-1.6	187.3	100	-171.9
434	-1.4	189.0	98	-171.4
0	1.8	190.7	97	-170.9
435	9.6	192.4	95	-169.0
0	7.9	193.9	94	-153.6
436	-3.3	195.2	92	-106.4
0	-31.1	196.2	91	-93.4
437	-62.4	197.0	90	-80.9
0	-69.0	197.6	90	-57.7
438	-43.4	198.1	89	-47.3
0	-12.6	198.4	89	-30.6
439	1.8	198.6	89	-19.4
0	9.4	198.8	89	-15.7
440	17.9	198.9	89	-9.3
0	12.6	199.0	88	-6.3
441	1.2	199.0	88	-4.5
0	-0.9	199.1	88	-4.5
442	1.8	199.1	88	-5.5
0	6.8	199.2	88	-3.7
443	18.8	199.2	88	0.0
0	22.2	199.2	88	2.3
444	17.1	199.1	88	9.0
0	8.8	199.0	88	13.3
445	5.4	198.8	89	15.7
0	9.9	198.7	89	16.7
446	20.2	198.5	89	20.4
0	28.2	198.3	89	26.3
447	28.9	198.0	89	31.6
0	22.8	197.6	90	35.4
448	14.1	197.2	90	49.7
0	10.0	196.7	91	48.9
449	12.7	196.2	91	46.8
0	20.1	195.6	92	50.0
450	25.5	195.1	92	55.1
0	25.1	194.4	93	61.2
451	19.3	193.7	94	67.0
0	12.5	192.9	95	71.0
452	10.2	192.0	95	82.2
0	13.0	191.2	96	85.1
453	17.9	190.3	97	88.9
0	20.1	189.4	98	93.9
454				
0				
455				
0				
456				
0				
457				

481	17.6	188.4	99	99.3
0	11.7	187.4	100	103.8
482	7.9	186.3	101	106.4
0	8.0	185.2	102	108.6
483	12.7	184.1	103	110.4
0	17.8	183.0	104	114.2
484	18.6	181.8	106	118.7
0	14.2	180.6	107	123.5
485	8.7	179.3	108	126.9
0	6.2	178.0	109	129.1
486	8.1	176.8	111	130.1
0	11.8	175.4	112	132.3
487	15.1	174.1	113	135.2
0	14.6	172.7	115	138.9
488	11.0	171.3	116	142.4
0	6.4	169.8	118	144.8
489	5.3	168.4	119	145.8
0	6.8	166.9	121	147.2
490	10.2	165.4	122	148.5
0	11.3	163.9	124	150.9
491	8.7	162.4	125	153.3
0	4.6	160.9	127	154.9
492	2.3	159.3	128	155.7
0	2.6	157.8	130	155.4
493	4.5	156.2	131	155.7
0	7.6	154.6	133	156.2
494	9.4	153.1	134	158.1
0	8.8	151.5	136	160.0
495	6.2	149.9	138	161.8
0	3.8	148.2	139	162.6
496	3.3	146.6	141	163.1
0	4.3	145.0	142	163.4
497	6.4	143.3	144	163.7
0	7.7	141.7	146	164.7
498	6.8	140.0	147	166.3
0	4.1	138.3	149	167.7
499	2.6	136.7	151	168.2
0	2.6	135.0	152	168.2
500	4.3	133.3	154	168.2
0	6.2	131.6	156	168.7
501	6.9	129.9	158	170.1
0	6.0	128.2	159	171.1
502	3.9	126.5	161	171.9
0	2.8	124.8	163	172.5
503	3.7	123.0	164	172.2
0	5.4	121.3	166	172.7
504	6.9	119.6	168	173.5
0	7.7	117.8	170	174.9
505	6.8	116.1	171	175.9
0	5.7	114.3	173	177.3
506	4.9	112.5	175	177.8
0	5.0	110.7	177	178.6
507	5.8	109.0	178	178.9
0	6.8	107.2	180	179.1
508				
0				
509				
0				
510				
0				
511				

535	7.2	105.4	18	179.7
0	6.1	103.6	2	179.4
536	4.5	101.8	18	179.1
0	3.5	100.0	4	179.1
537	3.8	98.2	18	179.4
0	5.0	96.4	6	179.4
538	5.7	94.6	18	179.9
0	5.6	92.8	7	179.7
539	4.5	91.0	18	179.7
0	3.3	89.2	9	179.4
540	2.7	87.4	19	179.7
0	2.6	85.6	1	179.9
541	2.3	83.8	19	179.7
0	2.2	82.0	3	179.4
542	1.9	80.2	19	179.1
0	1.9	78.5	5	178.9
543	1.8	76.7	19	178.6
0	1.8	74.9	6	178.3
544	1.8	73.1	19	178.3
0	1.6	71.3	8	177.8
545	1.5	69.6	20	175.1
0	0.0	67.8	0	174.1
546	-3.1	66.1	20	173.3
0	-4.3	64.4	2	170.9
547	-3.0	62.7	20	169.0
0	1.6	61.0	4	176.2
548	4.5	59.8	20	125.1
0	32.1	58.7	5	106.4
549	53.4	57.9	20	76.1
0	53.0	57.3	7	64.1
550	33.8	56.8	20	43.6
0	13.2	56.5	9	31.6
551	3.1	56.2	21	22.8
0	6.6	56.0	1	15.7
552	11.5	55.9	21	13.5
0	7.7	55.8	3	9.3
553	-1.1	55.7	21	7.4
0	-6.2	55.6	4	5.8
554	-20.2	55.6	21	1.8
0	-26.4	55.6	6	-2.1
555	-19.3	55.7	21	-8.2
0	-6.2	55.8	8	-12.2
556	0.0	56.0	22	-13.8
0	-6.5	56.1	0	-13.8
557	-20.5	56.3	22	-19.7
0	-28.2	56.5	1	-23.6
558	-25.0	56.8	22	-27.9
0	-14.9	57.2	3	-33.8
559	-7.5	57.6	22	-37.2
0	-7.6	58.0	5	-38.8
560	-13.6	58.5	22	-50.0
0	-17.8	59.0	6	-54.0
561	-16.4	59.5	22	-48.1
0	-11.8	60.0	8	-51.9
562			22	
0			9	
563			23	
0			0	
564			23	
0			0	
565			22	

589	-8.9	60.6	22	-54.5
0	-11.8	61.2	7	-56.7
590	-17.5	61.9	22	-59.6
0	-20.5	62.6	6	-70.8
591	-17.2	63.4	22	-76.6
0	-10.7	64.2	6	-81.1
592	-7.5	65.0	22	-83.5
0	-9.8	65.9	5	-85.4
593	-14.8	66.7	22	-88.6
0	-17.9	67.7	4	-92.3
594	-16.7	68.6	22	-97.1
0	-12.7	69.6	3	-101.4
595	-10.6	70.7	22	-104.6
0	-12.2	71.7	2	-107.5
596	-15.2	72.8	22	-110.4
0	-16.1	74.0	2	-114.7
597	-14.2	75.1	22	-119.0
0	-11.1	76.4	1	-121.9
598	-10.2	77.6	22	-125.1
0	-12.5	78.9	0	-127.5
599	-15.9	80.2	21	-130.9
0	-17.1	81.5	9	-134.7
600	-15.3	82.9	21	-139.2
0	-13.3	84.3	8	-142.9
601	-13.0	85.8	21	-146.4
0	-16.3	87.3	7	-149.6
602	-19.1	88.8	21	-154.1
0	-20.2	90.4	6	-158.9
603	-18.4	92.0	21	-163.9
0	-15.5	93.7	5	-168.5
604	-15.1	95.4	21	-171.9
0	-17.9	97.1	3	-174.3
605	-23.1	98.9	21	-174.6
0	-25.9	100.6	2	-174.9
606	-26.3	102.4	21	-175.4
0	-24.1	104.1	1	-175.1
607	-22.6	105.9	21	-174.6
0	-23.3	107.6	0	-174.9
608	-24.5	109.4	20	-175.1
0	-25.1	111.1	9	-174.9
609	-24.7	112.9	20	-175.4
0	-23.3	114.6	7	-174.9
610	-21.7	116.4	20	-174.9
0	-20.3	118.1	6	-174.6
611	-19.5	119.9	20	-174.6
0	-19.5	121.6	5	-174.3
612	-20.2	123.3	20	-174.6
0	-20.9	125.1	3	-174.6
613	-20.9	126.8	20	-174.9
0	-19.5	128.6	2	-174.6
614	-17.9	130.3	20	-174.3
0	-17.4	132.1	0	-174.3
615	-17.8	133.8	19	-174.3
0	-18.2	135.6	9	-174.3
616			19	
0			7	
617			19	
0			5	
618			19	
0			4	
619			19	

643	-17.8	137.3	150	-174.3
0	-17.0	139.1	148	-174.3
644	-16.4	140.8	147	-174.3
0	-16.5	142.5	145	-174.3
645	-17.2	144.3	143	-174.3
0	-16.8	146.0	141	-174.3
646	-15.7	147.8	140	-174.1
0	-14.8	149.5	138	-174.3
647	-14.5	151.3	136	-174.1
0	-14.1	153.0	134	-174.3
648	-13.2	154.7	133	-174.1
0	-11.5	156.5	131	-173.8
649	-9.6	158.2	129	-173.8
0	-8.8	160.0	127	-173.8
650	-9.5	161.7	126	-173.5
0	-9.5	163.4	124	-174.1
651	-8.7	165.2	122	-173.5
0	-7.6	166.9	121	-173.5
652	-6.5	168.6	119	-173.5
0	-6.0	170.4	117	-173.3
653	-5.4	172.1	115	-173.0
0	-4.5	173.8	114	-173.3
654	-3.5	175.6	112	-173.0
0	-2.7	177.3	110	-173.0
655	-2.3	179.0	108	-173.0
0	-1.9	180.8	107	-172.7
656	-1.8	182.5	105	-172.5
0	-1.6	184.2	103	-172.2
657	-1.8	185.9	102	-171.9
0	-1.5	187.7	100	-171.7
658	1.6	189.4	98	-171.1
0	9.9	191.1	96	-168.5
659	12.9	192.6	95	-148.0
0	0.7	194.1	93	-127.5
660	-6.1	195.4	92	-122.1
0	-29.8	196.3	91	-88.9
661	-54.5	197.0	90	-71.0
0	-56.8	197.6	90	-49.7
662	-34.8	198.1	89	-40.9
0	-6.1	198.4	89	-26.3
663	1.8	198.6	89	-21.2
0	7.7	198.8	89	-14.1
664	13.2	198.9	89	-11.1
0	8.9	199.0	88	-6.1
665	0.0	199.0	88	-4.7
0	-0.7	199.1	88	-6.3
666	0.0	199.1	88	-6.3
0	3.3	199.2	88	-5.0
667	13.3	199.2	88	-2.6
0	21.6	199.2	88	1.3
668	23.6	199.2	88	5.0
0	19.4	199.1	88	10.1
669	13.3	198.9	89	14.9
0	11.3	198.7	89	18.3
670				
0				
671				
0				
672				
0				
673				

697	15.5	198.5	89	21.0
0	22.4	198.3	89	25.2
698	26.8	197.9	90	31.1
0	25.5	197.5	90	37.2
699	19.7	197.0	90	53.2
0	13.8	196.5	91	53.2
700	11.7	196.0	91	51.1
0	14.9	195.4	92	54.3
701	20.5	194.8	93	57.7
0	23.7	194.1	93	62.8
702	22.1	193.3	94	68.6
0	16.4	192.5	95	81.9
703	11.4	191.6	96	86.2
0	9.6	190.7	97	89.1
704	11.8	189.8	98	91.5
0	15.7	188.9	99	95.0
705	18.0	187.9	100	99.3
0	16.1	186.9	101	104.0
706	12.3	185.8	102	108.0
0	8.1	184.7	103	111.0
707	8.0	183.6	104	113.1
0	11.1	182.4	105	115.2
708	14.4	181.3	106	117.9
0	14.8	180.1	107	121.6
709	12.1	178.8	109	125.3
0	8.9	177.5	110	128.0
710	6.8	176.2	111	129.9
0	7.3	174.9	113	131.7
711	10.6	173.6	114	133.1
0	13.8	172.2	115	135.7
712	13.3	170.9	117	139.5
0	10.6	169.4	118	142.6
713	8.4	168.0	119	144.8
0	6.2	166.5	121	146.6
714	6.9	165.1	122	147.7
0	9.4	163.6	124	149.0
715	10.6	162.1	125	151.4
0	10.6	160.5	127	153.6
716	8.8	159.0	128	156.0
0	6.0	157.4	130	157.6
717	4.6	155.8	132	158.6
0	5.6	154.2	133	159.4
718	7.9	152.6	135	160.2
0	9.9	151.0	136	162.1
719	9.2	149.4	138	164.2
0	6.8	147.7	140	166.3
720	5.0	146.0	141	167.4
0	5.0	144.4	143	167.9
721	6.9	142.7	145	168.7
0	9.2	141.0	146	169.8
722	9.6	139.3	148	171.9
0	7.6	137.5	150	173.8
723	4.7	135.8	152	175.1
0	3.3	134.0	153	175.9
724				
0				
725				
0				
726				
0				
727				

751	3.8	132.3	15	175.9
0	5.4	130.5	5	176.2
752	7.1	128.7	15	177.0
0	6.9	127.0	7	178.1
753	5.6	125.2	15	178.3
0	4.5	123.4	9	178.6
754	3.9	121.6	16	179.1
0	3.9	119.8	0	178.9
755	4.9	118.0	16	179.1
0	5.4	116.2	2	179.7
756	5.7	114.4	16	179.7
0	5.0	112.6	4	179.4
757	3.8	110.8	16	179.4
0	3.3	109.0	6	179.4
758	3.1	107.2	16	179.4
0	3.5	105.5	8	179.7
759	3.7	103.7	16	179.7
0	3.4	101.9	9	179.7
760	2.6	100.1	17	179.7
0	2.0	98.3	1	179.4
761	2.0	96.5	17	179.4
0	1.8	94.7	3	179.1
762	1.8	92.9	17	178.6
0	1.9	91.1	5	178.3
763	1.8	89.3	17	178.3
0	1.8	87.5	7	177.5
764	1.8	85.8	17	175.7
0	1.8	84.0	8	174.9
765	1.6	82.3	18	174.6
0	0.9	80.5	0	174.1
766	-0.8	78.8	18	173.5
0	-2.7	77.1	2	172.2
767	-3.3	75.4	18	170.3
0	-1.9	73.7	4	168.7
768	-0.1	72.0	18	167.4
0	-0.5	70.3	6	166.3
769	-3.3	68.7	18	165.0
0	-6.9	67.0	7	162.9
770	-8.5	65.4	18	160.2
0	-7.3	63.9	9	157.0
771	-5.8	62.4	19	138.9
0	-1.8	60.9	1	125.6
772	2.8	59.7	19	122.1
0	17.1	58.8	3	88.9
773	36.5	58.0	19	76.6
0	41.1	57.5	5	56.4
774	25.8	57.0	19	43.6
0	6.0	56.6	6	35.9
775	-0.8	56.4	19	25.0
0	-0.5	56.2	8	19.7
776	-10.0	56.0	20	13.0
0	-21.0	55.9	0	9.8
777	-26.8	55.8	20	2.6
0	-28.3	55.8	2	-1.5
778			20	
0			3	
779			20	
0			5	
780			20	
0			7	
781			20	

805	-25.5	55.9	23	-7.7
0	-18.8	56.1	2	-16.7
806	-12.5	56.2	23	-19.7
0	-9.9	56.5	1	-20.7
807	-12.3	56.7	23	-23.4
0	-18.7	57.0	1	-32.4
808	-23.7	57.3	23	-34.6
0	-25.9	57.7	1	-37.0
809	-24.8	58.2	23	-52.7
0	-22.4	58.7	1	-60.4
810	-19.8	59.3	23	-66.8
0	-17.9	60.0	0	-72.4
811	-16.7	60.7	23	-77.7
0	-16.3	61.4	0	-83.0
812	-17.2	62.2	23	-87.3
0	-18.8	63.0	0	-84.1
813	-20.3	63.9	22	-89.9
0	-22.1	64.9	9	-95.3
814	-23.5	65.9	22	-101.1
0	-22.9	66.9	9	-107.8
815	-21.2	68.0	22	-113.9
0	-19.1	69.2	8	-119.8
816	-17.8	70.5	22	-124.5
0	-17.6	71.7	7	-129.3
817	-17.9	73.1	22	-133.6
0	-18.6	74.4	7	-138.7
818	-17.9	75.9	22	-143.4
0	-18.3	77.3	6	-148.0
819	-19.0	78.8	22	-152.2
0	-20.1	80.4	5	-157.6
820	-19.9	82.0	22	-162.6
0	-18.4	83.7	4	-167.7
821	-17.1	85.4	22	-172.5
0	-18.4	87.1	4	-174.1
822	-22.8	88.9	22	-174.9
0	-27.1	90.6	3	-175.1
823	-28.2	92.4	22	-175.4
0	-26.8	94.2	2	-175.4
824	-25.4	95.9	22	-175.1
0	-25.8	97.7	1	-174.9
825	-27.1	99.4	21	-175.4
0	-28.2	101.2	9	-175.4
826	-27.9	102.9	21	-175.4
0	-26.4	104.7	8	-175.1
827	-24.7	106.4	21	-175.1
0	-23.3	108.2	7	-174.9
828	-21.8	109.9	21	-175.1
0	-21.2	111.7	6	-175.1
829	-21.4	113.4	21	-174.6
0	-22.1	115.2	4	-174.9
830	-22.5	116.9	21	-174.9
0	-21.6	118.7	3	-175.1
831	-20.1	120.4	21	-174.9
0	-18.6	122.2	2	-174.6
832			21	
0			0	
833			20	
0			9	
834			20	
0			7	
835			20	

859	-18.6	123.9	164	-174.3
0	-19.4	125.6	162	-174.6
860	-19.7	127.4	160	-174.6
0	-19.1	129.1	158	-174.6
861	-18.0	130.9	157	-174.6
0	-17.6	132.6	155	-174.3
862	-17.9	134.4	153	-174.3
0	-17.5	136.1	151	-174.6
863	-16.8	137.9	150	-174.1
0	-15.5	139.6	148	-174.3
864	-14.8	141.4	146	-174.3
0	-14.9	143.1	144	-174.1
865	-15.6	144.8	143	-174.3
0	-15.5	146.6	141	-174.3
866	-15.1	148.3	139	-174.1
0	-15.5	150.1	137	-174.3
867	-15.7	151.8	136	-174.3
0	-16.0	153.6	134	-174.1
868	-14.9	155.3	132	-174.3
0	-12.9	157.0	130	-174.1
869	-12.1	158.8	129	-174.1
0	-13.2	160.5	127	-174.1
870	-14.8	162.3	125	-174.3
0	-15.1	164.0	123	-174.3
871	-14.2	165.7	122	-174.1
0	-12.5	167.5	120	-174.1
872	-10.8	169.2	118	-173.8
0	-9.6	171.0	116	-173.8
873	-8.4	172.7	115	-173.5
0	-7.6	174.4	113	-173.5
874	-6.9	176.2	111	-173.5
0	-5.4	177.9	110	-173.3
875	-3.8	179.6	108	-173.0
0	-2.2	181.4	106	-173.0
876	-1.6	183.1	104	-172.7
0	-1.5	184.8	103	-172.7
877	-1.5	186.5	101	-172.2
0	-0.9	188.3	99	-171.7
878	6.9	190.0	97	-170.3
0	15.6	191.7	96	-166.6
879	16.5	193.2	94	-144.2
0	-2.0	194.6	93	-130.1
880	-16.5	195.7	92	-91.5
0	-44.7	196.5	91	-81.4
881	-55.6	197.3	90	-70.8
0	-40.7	197.8	90	-50.3
882	-13.0	198.2	89	-39.9
0	2.7	198.4	89	-26.0
883	10.7	198.7	89	-17.3
0	22.2	198.8	89	-13.5
884	19.8	198.9	89	-6.9
0	7.5	198.9	89	-4.5
885	-0.5	199.0	88	-3.7
0	-0.4	199.0	88	-3.4
886				
0				
887				
0				
888				
0				
889				

913	5.8	199.1	88	-3.9
0	16.1	199.1	88	-1.0
914	23.9	199.1	88	1.5
0	23.5	199.0	88	6.6
915	16.5	198.9	89	11.9
0	8.5	198.7	89	15.7
916	6.8	198.5	89	17.8
0	13.4	198.3	89	19.9
917	23.3	198.1	89	23.4
0	28.7	197.8	90	29.5
918	26.4	197.4	90	36.4
0	17.8	196.9	91	52.1
919	10.0	196.4	91	51.9
0	7.9	195.9	92	48.9
920	12.6	195.3	92	51.1
0	20.2	194.7	93	54.3
921	24.3	194.1	93	59.3
0	21.8	193.4	94	64.9
922	15.2	192.6	95	69.7
0	9.6	191.8	96	81.4
923	9.4	190.9	97	84.3
0	13.4	190.1	97	86.5
924	18.8	189.2	98	90.5
0	20.5	188.2	99	95.8
925	17.2	187.2	100	101.1
0	11.9	186.2	101	105.4
926	8.3	185.1	102	108.6
0	9.4	184.0	103	110.7
927	14.0	182.9	105	113.4
0	17.5	181.7	106	116.6
928	16.7	180.5	107	121.1
0	11.9	179.3	108	125.3
929	7.2	178.0	109	128.3
0	5.0	176.7	111	129.6
930	6.2	175.4	112	130.7
0	10.3	174.1	113	132.0
931	13.6	172.7	115	134.4
0	13.4	171.4	116	137.9
932	10.2	170.0	117	141.3
0	7.5	168.5	119	143.4
933	6.2	167.1	120	144.8
0	7.5	165.6	122	145.8
934	9.8	164.2	123	147.7
0	11.0	162.7	125	149.6
935	10.3	161.2	126	152.2
0	8.3	159.6	128	154.6
936	6.4	158.1	129	156.2
0	6.4	156.5	131	157.3
937	8.3	154.9	133	158.9
0	10.6	153.3	134	160.5
938	11.8	151.7	136	162.6
0	10.4	150.0	137	165.3
939	7.1	148.4	139	167.7
0	5.0	146.7	141	168.7
940				
0				
941				
0				
942				
0				
943				

9670	4.3	145.0	14	169.3
9680	6.2	143.3	2	170.1
9690	8.8	141.6	14	171.1
9700	9.6	139.8	4	173.0
9710	8.0	138.1	14	174.9
9720	6.4	136.3	6	176.5
9730	5.8	134.6	14	177.8
9740	7.5	132.8	8	178.6
9750	9.9	131.0	14	179.1
9760	12.1	129.2	9	179.7
9770	12.3	127.4	15	179.7
9780	11.1	125.6	1	179.7
9790	9.6	123.8	15	179.4
9800	8.8	122.0	3	179.4
9810	8.8	120.2	15	179.1
9820	10.4	118.4	5	179.7
9830	12.5	116.6	15	179.7
9840	13.6	114.8	6	179.9
9850	12.7	113.0	15	179.7
9860	10.4	111.2	8	179.7
9870	8.3	109.4	16	179.4
9880	7.2	107.7	0	179.4
9890	7.9	105.9	16	179.7
9900	8.4	104.1	2	179.7
9910	8.3	102.3	16	179.4
9920	8.0	100.5	4	179.4
9930	7.1	98.7	16	179.4
9940	7.1	96.9	5	179.4
9950	6.6	95.1	16	179.7
9960	6.5	93.3	7	179.4
9970	6.5	91.5	16	179.7
9980	6.1	89.7	9	179.7
9990	6.1	87.9	17	179.4
10000	5.7	86.1	1	179.7
10010	4.6	84.3	17	179.7
10020	3.4	82.5	3	179.4
10030	2.6	80.7	17	179.4
10040	2.0	78.9	4	179.4
10050	1.8	77.1	17	179.1
10060	1.8	75.3	6	178.9
10070	1.6	73.6	17	178.3
10080	1.4	71.8	8	178.1
10090	-1.5	70.0	18	177.3
10100	-7.6	68.3	0	173.3
10110	-9.9	66.6	18	169.8
10120	-8.1	64.9	2	166.1
10130	-5.4	63.2	18	163.4
10140	-5.3	61.7	3	144.5
10150	1.8	60.3	18	118.7
10160	4.9	59.2	5	103.2
10170	22.1	58.3	18	72.4
10180	34.0	57.6	7	63.8
10190	29.4	57.1	18	49.7
10200	9.5	56.7	9	40.7

19

1

19

2

19

4

19

1021	-2.4	56.4	23	27.4
0	-1.2	56.2	1	21.0
1022	-8.1	56.0	23	15.7
0	-18.8	55.9	1	9.3
1023	-24.7	55.8	23	4.2
0	-25.6	55.9	1	-2.3
1024	-24.5	55.9	23	-7.4
0	-20.5	56.0	2	-14.6
1025	-15.1	56.2	23	-20.4
0	-11.5	56.4	2	-24.7
1026	-11.8	56.7	23	-28.2
0	-15.7	56.9	2	-29.0
1027	-21.6	57.3	23	-30.3
0	-26.2	57.7	2	-43.6
1028	-26.4	58.1	23	-51.3
0	-23.5	58.6	1	-59.1
1029	-19.9	59.2	23	-66.0
0	-17.8	59.9	1	-71.8
1030	-17.6	60.6	23	-77.2
0	-17.9	61.3	1	-82.7
1031	-17.8	62.1	23	-87.5
0	-17.2	62.9	1	-84.3
1032	-17.0	63.8	23	-89.4
0	-18.6	64.7	1	-93.7
1033	-21.4	65.7	23	-99.0
0	-23.3	66.7	0	-105.1
1034	-22.9	67.8	23	-111.2
0	-20.3	69.0	0	-117.6
1035	-17.8	70.2	22	-122.9
0	-17.8	71.5	9	-127.7
1036	-19.5	72.8	22	-132.3
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1037	-21.8	75.6	22	-143.2
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1038	-19.8	78.6	22	-154.1
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1039	-19.9	81.8	22	-164.2
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1040	-19.1	85.2	22	-174.1
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1041	-24.4	88.7	22	-174.9
0	-27.3	90.5	5	-175.4
1042	-27.3	92.2	22	-175.1
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1043	-24.5	95.7	22	-175.1
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1044	-28.5	99.2	22	-175.4
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1045	-29.2	102.7	22	-175.4
0	-27.4	104.5	2	-175.7
1046	-25.9	106.2	22	-175.1
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1047	-24.4	109.7	22	-175.1
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1048			21	
0			8	
1049			21	
0			7	
1050			21	
0			6	
1051			21	

1075	-24.0	113.2	174	-174.9
0	-24.3	115.0	172	-175.1
1076	-24.3	116.7	171	-174.9
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1077	-22.6	120.2	167	-174.9
0	-21.3	122.0	165	-174.9
1078	-20.9	123.7	164	-174.9
0	-21.4	125.5	162	-175.1
1079	-21.8	127.2	160	-174.9
0	-21.0	129.0	158	-174.9
1080	-20.2	130.7	157	-174.6
0	-19.9	132.5	155	-174.6
1081	-20.3	134.2	153	-174.6
0	-19.8	136.0	151	-174.9
1082	-18.7	137.7	150	-174.6
0	-17.1	139.5	148	-174.6
1083	-16.1	141.2	146	-174.3
0	-15.7	143.0	144	-174.3
1084	-15.6	144.7	143	-174.3
0	-15.1	146.5	141	-174.3
1085	-13.8	148.2	139	-174.1
0	-13.8	149.9	138	-174.1
1086	-14.4	151.7	136	-174.1
0	-14.5	153.4	134	-174.1
1087	-13.4	155.2	132	-174.1
0	-11.0	156.9	131	-174.1
1088	-8.9	158.6	129	-173.8
0	-8.5	160.4	127	-173.8
1089	-9.1	162.1	125	-173.5
0	-8.7	163.9	124	-173.5
1090	-7.9	165.6	122	-173.8
0	-6.2	167.3	120	-173.5
1091	-5.2	169.1	118	-173.3
0	-4.7	170.8	117	-173.5
1092	-4.1	172.5	115	-173.3
0	-3.4	174.3	113	-173.0
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0	-1.9	177.7	110	-173.0
1094	-1.6	179.4	108	-172.7
0	-1.6	181.2	106	-172.7
1095	-1.6	182.9	105	-171.7
0	-0.8	184.6	103	-171.7
1096	6.2	186.3	101	-170.1
0	13.6	188.0	99	-166.6
1097	14.6	189.6	98	-161.8
0	9.1	191.2	96	-157.3
1098	3.0	192.7	95	-139.2
0	-2.4	194.1	93	-121.3
1099	-4.7	195.2	92	-106.2
0	-26.4	196.2	91	-92.6
1100	-38.9	196.9	91	-68.1
0	-33.1	197.5	90	-58.3
1101	-14.2	197.9	90	-40.4
0	2.0	198.2	89	-26.6
1102				
0				
1103				
0				
1104				
0				
1105				

1129	8.5	198.4	89	-24.7
0	21.7	198.6	89	-16.2
1130	25.4	198.7	89	-8.5
0	16.4	198.8	89	-3.1
1131	6.4	198.8	89	0.5
0	2.6	198.8	89	0.7
1132	8.3	198.8	89	1.5
0	18.2	198.7	89	3.7
1133	26.3	198.6	89	10.3
0	26.6	198.5	89	18.3
1134	21.4	198.3	89	23.6
0	15.3	198.0	89	26.3
1135	14.2	197.7	90	36.7
0	19.7	197.3	90	41.2
1136	27.3	196.9	91	47.3
0	30.6	196.4	91	55.3
1137	28.1	195.8	92	58.5
0	21.3	195.2	92	59.3
1138	14.4	194.5	93	64.1
0	12.3	193.8	94	67.8
1139	16.4	193.0	94	70.8
0	23.2	192.1	95	83.3
1140	26.7	191.2	96	90.2
0	24.8	190.3	97	97.1
1141	19.0	189.3	98	104.0
0	14.6	188.2	99	109.1
1142	14.0	187.1	100	112.8
0	17.0	185.9	102	116.6
1143	20.9	184.7	103	121.1
0	22.0	183.5	104	126.9
1144	19.0	182.1	105	132.5
0	14.1	180.8	107	137.3
1145	10.6	179.4	108	141.0
0	12.5	177.9	110	143.7
1146	16.8	176.5	111	146.6
0	19.7	175.0	112	151.2
1147	18.6	173.4	114	156.0
0	13.2	171.8	116	160.7
1148	7.6	170.2	117	163.7
0	6.6	168.6	119	165.0
1149	10.2	166.9	121	166.6
0	15.3	165.2	122	169.0
1150	17.6	163.5	124	173.0
0	15.6	161.7	126	177.3
1151	11.7	160.0	127	179.1
0	9.8	158.2	129	179.1
1152	10.4	156.4	131	179.4
0	12.9	154.6	133	179.4
1153	15.9	152.8	135	179.7
0	17.1	151.0	136	179.7
1154	15.7	149.2	138	179.7
0	13.3	147.4	140	179.7
1155	11.3	145.6	142	179.4
0	11.0	143.8	144	179.1
1156				
0				
1157				
0				
1158				
0				
1159				

1183	12.9	142.0	14	179.7
0	15.2	140.2	5	179.9
1184	15.5	138.4	14	179.7
0	14.0	136.6	7	179.7
1185	11.8	134.8	14	179.7
0	9.8	133.0	9	179.4
1186	8.9	131.2	15	179.4
0	9.4	129.4	1	179.7
1187	10.7	127.6	15	179.4
0	11.5	125.8	3	179.7
1188	11.8	124.0	15	179.7
0	11.1	122.2	4	179.4
1189	9.9	120.4	15	179.7
0	8.9	118.6	6	179.4
1190	9.1	116.8	15	179.7
0	9.9	115.0	8	179.7
1191	10.2	113.3	16	179.7
0	9.4	111.5	0	179.7
1192	8.5	109.7	16	179.7
0	7.3	107.9	2	179.4
1193	6.9	106.1	16	179.7
0	6.8	104.3	3	179.4
1194	5.8	102.5	16	179.7
0	5.3	100.7	5	179.4
1195	4.5	98.9	16	179.4
0	3.9	97.1	7	179.4
1196	3.1	95.3	16	179.7
0	2.3	93.5	9	179.7
1197	1.9	91.7	17	179.4
0	1.9	89.9	1	178.9
1198	1.8	88.1	17	178.9
0	1.8	86.3	2	178.6
1199	1.8	84.6	17	178.1
0	1.5	82.8	4	177.8
1200	0.8	81.0	17	177.3
0	-1.6	79.2	6	174.6
1201	-4.3	77.5	17	172.7
0	-5.4	75.8	8	170.6
1202	-4.6	74.1	18	168.2
0	-3.4	72.5	0	166.1
1203	-3.8	70.8	18	164.5
0	-6.6	69.2	1	162.1
1204	-10.6	67.6	18	159.2
0	-13.0	66.0	3	154.9
1205	-12.9	64.5	18	150.4
0	-12.6	63.0	5	145.8
1206	-12.5	61.6	18	153.8
0	-5.8	60.4	7	116.8
1207	1.9	59.4	18	85.1
0	2.0	58.6	9	76.6
1208	5.0	58.0	19	54.8
0	5.4	57.5	0	49.2
1209	0.0	57.0	19	43.1
0	-0.5	56.7	2	31.4
1210			19	
0			4	
1211			19	
0			6	
1212			19	
0			8	
1213			19	

1237	-1.2	56.5	23	25.0
0	-12.6	56.2	1	20.7
1238	-25.9	56.1	23	12.7
0	-30.2	56.0	1	3.9
1239	-26.6	56.0	23	-1.5
0	-20.1	56.1	1	-6.6
1240	-15.6	56.2	23	-10.9
0	-15.7	56.4	1	-14.9
1241	-20.2	56.6	23	-18.6
0	-24.3	56.8	1	-28.7
1242	-26.2	57.1	23	-35.9
0	-25.4	57.5	1	-43.6
1243	-24.5	58.0	23	-51.1
0	-24.7	58.5	1	-58.5
1244	-25.4	59.0	23	-59.6
0	-25.6	59.7	1	-59.9
1245	-23.2	60.4	23	-66.0
0	-19.5	61.2	1	-71.6
1246	-17.1	62.0	23	-76.1
0	-18.2	62.9	1	-88.9
1247	-21.3	63.9	23	-94.2
0	-24.5	64.8	0	-99.8
1248	-25.9	65.9	23	-106.7
0	-24.1	67.0	0	-114.2
1249	-21.6	68.2	22	-120.3
0	-20.3	69.5	9	-126.4
1250	-20.9	70.8	22	-131.5
0	-21.7	72.1	9	-137.3
1251	-21.2	73.5	22	-142.6
0	-19.8	75.0	8	-148.5
1252	-18.7	76.5	22	-153.6
0	-19.9	78.1	8	-158.4
1253	-22.6	79.7	22	-163.7
0	-23.5	81.4	7	-169.5
1254	-22.1	83.1	22	-174.9
0	-22.4	84.9	6	-174.9
1255	-25.8	86.6	22	-175.1
0	-29.4	88.4	5	-175.7
1256	-31.2	90.2	22	-175.7
0	-29.8	91.9	5	-175.7
1257	-27.1	93.7	22	-175.4
0	-25.6	95.4	4	-175.1
1258	-26.7	97.2	22	-175.1
0	-28.1	98.9	3	-175.7
1259	-28.3	100.7	22	-175.4
0	-27.8	102.4	2	-175.7
1260	-26.3	104.2	22	-175.4
0	-26.0	105.9	0	-175.1
1261	-26.8	107.7	21	-175.4
0	-27.3	109.5	9	-175.4
1262	-26.6	111.2	21	-175.4
0	-25.8	113.0	8	-175.1
1263	-25.1	114.7	21	-175.4
0	-24.7	116.5	7	-175.1
1264			21	
0			5	
1265			21	
0			4	
1266			21	
0			2	
1267			21	

1291	-24.8	118.2	169	-175.4
0	-25.0	120.0	167	-175.1
1292	-24.8	121.7	166	-175.1
0	-25.1	123.5	164	-175.4
1293	-25.4	125.2	162	-175.4
0	-24.7	127.0	160	-175.1
1294	-23.3	128.7	159	-175.1
0	-21.7	130.5	157	-174.9
1295	-21.0	132.2	155	-174.6
0	-21.6	134.0	153	-174.9
1296	-21.8	135.7	152	-174.9
0	-21.3	137.5	150	-174.6
1297	-20.1	139.2	148	-174.9
0	-19.0	141.0	146	-174.9
1298	-19.3	142.7	145	-174.6
0	-19.9	144.5	143	-174.9
1299	-20.1	146.2	141	-174.6
0	-19.3	148.0	139	-174.9
1300	-18.6	149.7	138	-174.6
0	-18.2	151.5	136	-174.3
1301	-17.6	153.2	134	-174.3
0	-16.4	155.0	132	-174.6
1302	-14.9	156.7	131	-174.3
0	-13.3	158.4	129	-174.1
1303	-13.7	160.2	127	-174.1
0	-14.9	161.9	126	-174.1
1304	-14.2	163.7	124	-174.1
0	-12.5	165.4	122	-174.1
1305	-9.9	167.2	120	-173.8
0	-7.5	168.9	119	-173.8
1306	-6.1	170.6	117	-173.5
0	-4.7	172.4	115	-173.3
1307	-3.5	174.1	113	-173.3
0	-2.6	175.8	112	-173.3
1308	-1.9	177.6	110	-172.7
0	-1.6	179.3	108	-172.7
1309	-1.6	181.0	106	-172.2
0	-1.6	182.7	105	-171.9
1310	-1.4	184.5	103	-171.9
0	1.8	186.2	101	-170.9
1311	11.3	187.9	100	-168.5
0	16.7	189.5	98	-163.9
1312	14.5	191.1	96	-157.8
0	7.6	192.6	95	-138.1
1313	-3.1	194.0	93	-122.1
0	-4.3	195.2	92	-117.6
1314	-20.1	196.1	91	-86.2
0	-36.5	196.8	91	-69.4
1315	-32.8	197.4	90	-59.9
0	-15.7	197.8	90	-41.5
1316	2.0	198.2	89	-30.6
0	7.5	198.4	89	-23.9
1317	21.2	198.6	89	-17.0
0	24.7	198.7	89	-11.4
1318				
0				
1319				
0				
1320				
0				
1321				

1345	14.9	198.8	89	-4.2
0	4.6	198.8	89	-0.5
1346	-0.4	198.8	89	0.0
0	4.3	198.8	89	0.2
1347	15.6	198.8	89	0.7
0	25.8	198.8	89	4.5
1348	27.8	198.7	89	12.7
0	21.8	198.5	89	18.9
1349	14.0	198.3	89	21.8
0	11.1	198.0	89	28.2
1350	16.4	197.7	90	31.4
0	26.0	197.3	90	32.4
1351	32.3	196.9	91	38.8
0	31.2	196.4	91	46.8
1352	23.5	195.8	92	66.2
0	15.6	195.2	92	66.2
1353	12.2	194.5	93	63.3
0	16.0	193.8	94	66.5
1354	23.7	193.0	94	70.5
0	29.3	192.1	95	85.1
1355	28.5	191.2	96	93.4
0	22.4	190.2	97	101.1
1356	16.4	189.2	98	107.0
0	14.4	188.1	99	111.2
1357	18.0	186.9	101	115.5
0	23.3	185.7	102	120.3
1358	25.6	184.5	103	126.7
0	23.5	183.2	104	133.6
1359	18.0	181.8	106	139.7
0	13.6	180.3	107	144.2
1360	12.7	178.9	109	147.7
0	17.5	177.4	110	151.2
1361	21.6	175.8	112	155.7
0	21.4	174.2	113	161.0
1362	17.2	172.6	115	166.6
0	10.7	170.9	117	170.6
1363	7.2	169.1	118	173.0
0	9.1	167.4	120	174.3
1364	14.1	165.6	122	176.5
0	18.0	163.9	124	179.1
1365	18.8	162.1	125	179.1
0	18.0	160.3	127	179.4
1366	15.6	158.5	129	179.4
0	12.9	156.7	131	179.1
1367	12.6	154.9	133	179.1
0	14.2	153.1	134	179.4
1368	16.7	151.3	136	179.4
0	17.5	149.5	138	179.9
1369	16.8	147.7	140	179.7
0	15.1	145.9	142	179.7
1370	13.7	144.1	143	179.4
0	13.6	142.3	145	179.4
1371	14.6	140.5	147	179.4
0	15.2	138.7	149	179.4
1372				
0				
1373				
0				
1374				
0				
1375				

1399	15.2	136.9	15	179.9
0	14.0	135.1	1	179.9
1400	12.1	133.3	15	179.7
0	9.9	131.5	2	179.4
1401	8.8	129.7	15	179.4
0	8.5	127.9	4	179.1
1402	8.8	126.2	15	179.4
0	9.9	124.4	6	179.4
1403	11.0	122.6	15	179.4
0	10.8	120.8	8	179.4
1404	10.0	119.0	16	179.7
0	9.1	117.2	0	179.9
1405	8.9	115.4	16	179.7
0	9.1	113.6	1	179.7
1406	9.5	111.8	16	179.4
0	9.6	110.0	3	179.4
1407	9.2	108.2	16	179.7
0	8.7	106.4	5	179.7
1408	8.4	104.6	16	179.7
0	7.7	102.8	7	179.4
1409	7.5	101.0	16	179.4
0	7.3	99.2	8	179.4
1410	7.5	97.4	17	179.7
0	6.9	95.6	0	179.7
1411	5.7	93.8	17	179.4
0	4.7	92.0	2	179.4
1412	3.9	90.2	17	179.4
0	4.1	88.4	4	179.4
1413	4.7	86.6	17	179.7
0	4.5	84.8	6	179.9
1414	3.5	83.1	17	179.4
0	2.3	81.3	7	179.7
1415	1.8	79.5	17	179.4
0	1.8	77.7	9	178.9
1416	1.6	75.9	18	178.9
0	1.4	74.1	1	178.6
1417	-2.2	72.3	18	177.8
0	-7.1	70.6	3	173.8
1418	-8.8	68.9	18	170.3
0	-6.9	67.2	5	166.9
1419	-4.6	65.5	18	164.2
0	-3.7	63.9	6	162.3
1420	-6.0	62.4	18	144.0
0	-4.6	60.9	8	129.3
1421	2.7	59.6	19	124.5
0	18.4	58.7	0	89.4
1422	37.8	57.9	19	77.2
0	40.1	57.4	2	55.6
1423	23.2	56.9	19	42.5
0	1.9	56.5	4	34.6
1424	-2.2	56.3	19	23.9
0	-8.4	56.1	5	17.8
1425	-20.5	56.0	19	12.7
0	-26.6	55.9	7	4.2
1426			19	
0			9	
1427			20	
0			1	
1428			20	
0			3	
1429			20	

1453	-26.0	55.9	23	-1.3
0	-23.2	56.0	2	-6.3
1454	-19.9	56.1	23	-11.7
0	-17.0	56.3	1	-19.9
1455	-16.3	56.5	23	-25.2
0	-16.7	56.7	1	-26.8
1456	-18.8	57.0	23	-31.6
0	-22.0	57.4	1	-33.0
1457	-26.2	57.8	23	-47.1
0	-28.6	58.3	1	-49.7
1458	-29.8	58.8	23	-51.6
0	-28.3	59.5	1	-58.8
1459	-25.1	60.2	23	-65.7
0	-20.3	60.9	0	-71.8
1460	-17.2	61.8	23	-76.4
0	-17.0	62.7	0	-89.1
1461	-18.6	63.6	23	-94.2
0	-21.0	64.6	0	-99.3
1462	-22.9	65.7	22	-104.8
0	-23.6	66.8	9	-111.5
1463	-23.2	67.9	22	-117.6
0	-22.8	69.1	9	-124.3
1464	-22.4	70.4	22	-130.1
0	-21.8	71.8	8	-136.3
1465	-20.9	73.2	22	-141.8
0	-20.5	74.6	7	-147.4
1466	-20.6	76.2	22	-152.8
0	-21.7	77.7	7	-158.4
1467	-22.9	79.3	22	-163.7
0	-23.6	81.0	6	-169.5
1468	-22.8	82.8	22	-174.9
0	-24.0	84.5	5	-174.9
1469	-28.2	86.3	22	-175.4
0	-32.8	88.0	4	-175.7
1470	-36.3	89.8	22	-175.9
0	-36.3	91.6	3	-176.5
1471	-33.9	93.3	22	-176.2
0	-31.9	95.1	2	-175.7
1472	-31.7	96.8	22	-175.7
0	-33.0	98.6	1	-175.9
1473	-33.8	100.4	22	-175.9
0	-33.6	102.1	0	-176.2
1474	-32.7	103.9	21	-175.9
0	-31.7	105.6	8	-175.9
1475	-31.9	107.4	21	-175.9
0	-32.3	109.2	7	-175.9
1476	-32.1	110.9	21	-175.7
0	-31.7	112.7	6	-175.7
1477	-30.9	114.4	21	-175.9
0	-30.1	116.2	4	-175.4
1478	-28.7	117.9	21	-175.7
0	-27.3	119.7	3	-175.4
1479	-26.2	121.5	21	-175.1
0	-26.4	123.2	1	-175.7
1480			21	
0			0	
1481			20	
0			8	
1482			20	
0			6	
1483			20	

1507	-27.3	125.0	162	-175.4
0	-28.1	126.7	161	-175.7
1508	-28.1	128.5	159	-175.9
0	-27.0	130.2	157	-175.4
1509	-26.0	132.0	155	-175.1
0	-25.8	133.7	154	-175.4
1510	-25.1	135.5	152	-175.4
0	-24.0	137.2	150	-175.1
1511	-22.9	139.0	148	-175.1
0	-22.2	140.8	147	-175.1
1512	-22.4	142.5	145	-174.9
0	-22.8	144.3	143	-175.1
1513	-22.1	146.0	141	-174.9
0	-20.9	147.8	140	-174.9
1514	-19.8	149.5	138	-174.9
0	-19.8	151.2	136	-174.6
1515	-19.5	153.0	134	-174.9
0	-18.7	154.7	133	-174.9
1516	-16.8	156.5	131	-174.6
0	-15.1	158.2	129	-174.3
1517	-14.2	160.0	127	-174.1
0	-15.2	161.7	126	-174.1
1518	-15.5	163.5	124	-174.3
0	-15.1	165.2	122	-174.6
1519	-14.2	167.0	120	-174.1
0	-13.3	168.7	119	-174.1
1520	-13.0	170.4	117	-174.1
0	-12.5	172.2	115	-173.8
1521	-11.0	173.9	114	-174.1
0	-9.8	175.7	112	-173.8
1522	-8.3	177.4	110	-173.5
0	-7.2	179.1	108	-173.8
1523	-6.2	180.9	107	-173.5
0	-5.0	182.6	105	-173.3
1524	-3.7	184.3	103	-173.5
0	-2.7	186.1	101	-173.3
1525	-2.0	187.8	100	-173.0
0	-1.6	189.5	98	-173.0
1526	-1.6	191.3	96	-172.5
0	-1.6	192.9	95	-154.9
1527	-2.6	194.5	93	-130.1
0	-22.2	195.6	92	-111.5
1528	-52.6	196.6	91	-86.2
0	-62.5	197.3	90	-67.8
1529	-48.5	197.9	90	-51.3
0	-21.0	198.3	89	-33.0
1530	1.8	198.6	89	-28.2
0	4.3	198.7	89	-19.1
1531	13.6	198.9	89	-11.9
0	15.6	199.0	88	-8.7
1532	7.2	199.0	88	-3.7
0	0.3	199.1	88	-2.1
1533	-0.7	199.1	88	-2.9
0	6.1	199.1	88	-2.1
1534				
0				
1535				
0				
1536				
0				
1537				

1561	15.9	199.1	88	0.5
0	23.2	199.1	88	2.6
1562	23.3	199.0	88	8.2
0	17.8	198.9	89	15.1
1563	11.9	198.7	89	19.7
0	11.1	198.5	89	20.7
1564	16.7	198.2	89	23.4
0	24.5	197.9	90	27.9
1565	29.2	197.6	90	34.0
0	27.8	197.1	90	41.2
1566	21.4	196.6	91	58.5
0	15.5	196.0	91	58.5
1567	14.0	195.4	92	56.7
0	17.8	194.8	93	60.1
1568	23.6	194.1	93	64.6
0	26.8	193.3	94	70.5
1569	25.0	192.4	95	85.4
0	19.8	191.5	96	92.3
1570	15.3	190.5	97	97.7
0	15.5	189.5	98	101.6
1571	18.4	188.5	99	105.6
0	23.5	187.4	100	111.0
1572	25.0	186.2	101	117.1
0	22.0	185.0	102	124.0
1573	17.6	183.7	104	129.6
0	15.3	182.4	105	134.1
1574	15.9	181.0	106	138.1
0	19.0	179.6	108	142.6
1575	22.4	178.2	109	147.7
0	22.5	176.6	111	153.6
1576	19.0	175.1	112	159.2
0	14.1	173.4	114	163.7
1577	11.0	171.8	116	167.1
0	11.4	170.1	117	169.5
1578	15.6	168.4	119	172.2
0	19.1	166.6	121	176.2
1579	19.4	164.8	123	179.4
0	18.6	163.0	124	179.4
1580	17.1	161.2	126	179.1
0	16.0	159.4	128	179.4
1581	15.1	157.6	130	179.4
0	14.6	155.8	132	179.4
1582	15.1	154.1	133	179.4
0	15.6	152.3	135	179.7
1583	15.6	150.5	137	179.7
0	14.5	148.7	139	179.7
1584	13.3	146.9	141	179.4
0	12.1	145.1	142	179.4
1585	11.1	143.3	144	179.4
0	11.4	141.5	146	179.4
1586	11.7	139.7	148	179.4
0	11.8	137.9	150	179.7
1587	11.5	136.1	151	179.7
0	11.0	134.3	153	179.7
1588				
0				
1589				
0				
1590				
0				
1591				

1615	10.7	132.5	15	179.4
0	9.9	130.7	5	179.4
1616	9.5	128.9	15	179.4
0	9.4	127.1	7	179.7
1617	9.2	125.3	15	179.4
0	9.4	123.5	9	179.4
1618	8.8	121.7	16	179.4
0	7.7	119.9	0	179.7
1619	7.5	118.1	16	179.7
0	8.0	116.4	2	179.7
1620	8.8	114.6	16	179.4
0	9.1	112.8	4	179.7
1621	9.2	111.0	16	179.9
0	9.1	109.2	6	179.4
1622	8.8	107.4	16	179.7
0	8.8	105.6	8	179.7
1623	8.4	103.8	16	179.7
0	7.5	102.0	9	179.7
1624	6.8	100.2	17	179.4
0	6.5	98.4	1	179.7
1625	6.9	96.6	17	179.4
0	6.4	94.8	3	179.7
1626	5.4	93.0	17	179.4
0	4.2	91.2	5	179.1
1627	2.8	89.4	17	179.4
0	2.6	87.6	6	179.4
1628	2.2	85.8	17	179.4
0	1.8	84.0	8	179.4
1629	1.8	82.2	18	178.9
0	1.8	80.5	0	178.6
1630	1.6	78.7	18	178.3
0	1.4	76.9	2	177.8
1631	0.0	75.1	18	175.4
0	-3.5	73.4	4	174.1
1632	-5.4	71.7	18	171.7
0	-4.6	70.0	5	169.0
1633	-3.3	68.3	18	166.9
0	-3.7	66.6	7	165.0
1634	-5.8	65.0	18	162.9
0	-8.4	63.4	9	160.2
1635	-9.6	61.9	19	141.0
0	-0.3	60.4	1	145.3
1636	3.7	59.4	19	104.6
0	19.7	58.4	3	90.5
1637	32.5	57.8	19	65.7
0	31.5	57.2	4	51.3
1638	11.5	56.8	19	38.6
0	-1.8	56.5	6	29.0
1639	-0.4	56.3	19	22.3
0	-1.4	56.1	8	15.7
1640	-10.6	55.9	20	12.5
0	-20.7	55.8	0	8.2
1641	-25.6	55.8	20	0.7
0	-25.2	55.9	2	-3.1
1642			20	
0			3	
1643			20	
0			5	
1644			20	
0			7	
1645			20	

1669	-20.3	55.9	23	-10.9
0	-14.2	56.1	2	-14.9
1670	-10.8	56.2	23	-16.5
0	-12.6	56.5	1	-21.5
1671	-18.4	56.7	23	-22.3
0	-23.9	57.0	1	-33.0
1672	-25.8	57.3	23	-36.4
0	-24.3	57.7	1	-38.8
1673	-22.1	58.2	23	-44.9
0	-21.3	58.8	1	-50.0
1674	-21.4	59.4	23	-67.3
0	-20.7	60.1	0	-73.7
1675	-17.4	60.8	23	-79.8
0	-13.7	61.5	0	-84.9
1676	-12.6	62.3	23	-88.3
0	-15.3	63.2	0	-84.1
1677	-19.5	64.0	22	-88.6
0	-22.6	64.9	9	-93.7
1678	-22.0	65.9	22	-100.0
0	-18.0	67.0	9	-106.2
1679	-14.6	68.1	22	-110.4
0	-14.9	69.2	8	-114.7
1680	-18.2	70.4	22	-118.7
0	-21.4	71.6	7	-123.5
1681	-22.4	72.9	22	-129.1
0	-20.6	74.2	7	-135.2
1682	-19.0	75.6	22	-140.5
0	-19.7	77.1	6	-145.6
1683	-22.2	78.6	22	-150.6
0	-24.4	80.1	5	-156.8
1684	-24.0	81.7	22	-162.9
0	-20.9	83.4	4	-169.0
1685	-18.4	85.1	22	-173.8
0	-21.0	86.9	3	-174.6
1686	-28.5	88.6	22	-175.1
0	-34.6	90.4	3	-175.9
1687	-36.2	92.1	22	-176.2
0	-35.1	93.9	2	-176.2
1688	-34.2	95.7	22	-175.9
0	-35.1	97.4	0	-176.2
1689	-36.6	99.2	21	-176.5
0	-37.7	100.9	9	-176.5
1690	-38.0	102.7	21	-176.5
0	-37.2	104.5	8	-176.5
1691	-36.6	106.2	21	-176.2
0	-36.6	108.0	7	-176.2
1692	-36.3	109.8	21	-176.5
0	-36.6	111.5	6	-176.5
1693	-37.2	113.3	21	-176.2
0	-37.4	115.1	5	-176.2
1694	-36.7	116.8	21	-176.5
0	-35.3	118.6	3	-176.5
1695	-33.2	120.4	21	-176.2
0	-31.6	122.1	2	-176.2
1696			21	
0			0	
1697			20	
0			9	
1698			20	
0			7	
1699			20	

1723	-30.9	123.9	164	-175.7
0	-31.3	125.6	162	-176.2
1724	-31.5	127.4	160	-175.7
0	-30.8	129.2	158	-175.9
1725	-30.1	130.9	157	-175.7
0	-29.6	132.7	155	-175.7
1726	-29.8	134.4	153	-175.7
0	-29.2	136.2	151	-175.9
1727	-27.5	137.9	150	-175.7
0	-25.9	139.7	148	-175.4
1728	-24.5	141.5	146	-175.1
0	-24.4	143.2	144	-175.1
1729	-24.7	145.0	142	-175.4
0	-24.3	146.7	141	-175.4
1730	-24.0	148.5	139	-175.1
0	-24.3	150.2	137	-175.1
1731	-24.7	152.0	135	-175.1
0	-24.1	153.7	134	-175.1
1732	-22.4	155.5	132	-175.1
0	-19.1	157.2	130	-174.9
1733	-17.6	159.0	128	-174.3
0	-17.5	160.7	127	-174.6
1734	-18.3	162.5	125	-174.6
0	-18.7	164.2	123	-174.6
1735	-18.4	166.0	121	-174.6
0	-17.1	167.7	120	-174.3
1736	-16.0	169.4	118	-174.1
0	-14.6	171.2	116	-174.3
1737	-12.7	172.9	115	-174.1
0	-11.1	174.7	113	-173.8
1738	-8.8	176.4	111	-174.1
0	-6.2	178.1	109	-173.5
1739	-3.9	179.9	108	-173.3
0	-2.2	181.6	106	-173.3
1740	-1.8	183.3	104	-173.0
0	-1.6	185.1	102	-172.7
1741	-1.6	186.8	101	-172.5
0	-1.4	188.5	99	-171.9
1742	3.9	190.2	97	-171.1
0	13.4	191.9	96	-168.2
1743	14.8	193.5	94	-175.1
0	-4.1	194.8	93	-126.1
1744	-26.8	195.9	92	-108.0
0	-53.3	196.7	91	-78.2
1745	-62.2	197.4	90	-67.8
0	-43.1	197.9	90	-47.3
1746	-12.7	198.3	89	-37.2
0	1.8	198.5	89	-23.9
1747	13.4	198.7	89	-15.4
0	25.0	198.8	89	-12.2
1748	21.3	198.9	89	-5.0
0	6.1	198.9	89	-1.5
1749	-0.9	198.9	89	-2.1
0	-0.1	199.0	88	-2.3
1750				
0				
1751				
0				
1752				
0				
1753				

1777	1.1	199.0	88	-2.3
0	10.2	199.0	88	-1.0
1778	21.3	199.0	88	1.8
0	26.4	198.9	89	7.1
1779	22.5	198.8	89	14.6
0	14.6	198.6	89	18.9
1780	8.8	198.4	89	20.4
0	10.4	198.2	89	23.1
1781	18.4	197.9	90	25.8
0	26.4	197.6	90	30.6
1782	28.2	197.2	90	37.2
0	22.9	196.7	91	43.6
1783	14.8	196.2	91	59.9
0	10.2	195.6	92	58.3
1784	12.1	195.0	92	55.1
0	19.3	194.4	93	58.0
1785	26.2	193.7	94	63.0
0	27.3	192.9	95	69.2
1786	22.2	192.1	95	84.3
0	15.3	191.2	96	90.5
1787	11.4	190.2	97	94.5
0	13.0	189.3	98	97.4
1788	19.0	188.3	99	101.4
0	23.1	187.2	100	106.2
1789	22.9	186.1	101	112.8
0	17.4	184.9	103	118.7
1790	11.3	183.7	104	122.9
0	9.5	182.5	105	125.6
1791	12.5	181.2	106	128.3
0	16.5	179.9	108	131.2
1792	18.4	178.5	109	136.0
0	16.1	177.1	110	140.5
1793	11.1	175.7	112	144.2
0	7.6	174.2	113	146.6
1794	7.6	172.8	115	148.2
0	11.4	171.3	116	150.1
1795	16.0	169.8	118	152.8
0	18.0	168.2	119	156.8
1796	15.2	166.6	121	161.0
0	10.2	165.0	122	164.5
1797	6.8	163.3	124	166.9
0	7.1	161.6	126	168.2
1798	11.0	159.9	128	169.8
0	14.2	158.2	129	172.5
1799	14.5	156.5	131	175.7
0	12.5	154.7	133	178.6
1800	11.4	152.9	135	178.9
0	12.5	151.1	136	179.1
1801	15.1	149.3	138	179.4
0	17.0	147.5	140	179.9
1802	17.2	145.7	142	179.7
0	15.5	143.9	144	179.4
1803	13.8	142.1	145	179.4
0	12.3	140.3	147	179.1
1804				
0				
1805				
0				
1806				
0				
1807				

1831	12.1	138.5	14	179.4
0	13.2	136.7	9	179.7
1832	14.6	134.9	15	179.9
0	15.9	133.1	1	179.7
1833	15.6	131.3	15	179.7
0	14.4	129.5	3	179.9
1834	13.0	127.7	15	179.7
0	12.1	125.9	4	179.4
1835	12.2	124.1	15	179.7
0	13.2	122.4	6	179.4
1836	13.3	120.6	15	179.7
0	12.9	118.8	8	179.7
1837	12.2	117.0	16	179.7
0	12.3	115.2	0	179.7
1838	12.3	113.4	16	179.7
0	12.1	111.6	2	179.7
1839	11.8	109.8	16	179.4
0	11.5	108.0	3	179.4
1840	11.8	106.2	16	179.7
0	12.1	104.4	5	179.7
1841	11.8	102.6	16	179.7
0	11.4	100.8	7	179.7
1842	10.6	99.0	16	179.7
0	9.9	97.2	9	179.4
1843	9.1	95.4	17	179.7
0	7.7	93.6	0	179.7
1844	6.6	91.8	17	179.4
0	5.8	90.0	2	179.4
1845	5.7	88.2	17	179.4
0	5.7	86.4	4	179.4
1846	5.7	84.6	17	179.4
0	4.9	82.8	6	179.7
1847	3.8	81.0	17	179.7
0	3.3	79.3	8	179.4
1848	2.6	77.5	17	179.4
0	1.9	75.7	9	179.4
1849	1.8	73.9	18	179.1
0	1.6	72.1	1	178.9
1850	1.5	70.3	18	178.6
0	-0.7	68.5	3	177.8
1851	-8.0	66.8	18	174.6
0	-11.8	65.0	5	170.1
1852	-10.2	63.4	18	165.8
0	-6.2	61.8	7	146.4
1853	2.7	60.3	18	149.8
0	10.0	59.2	8	106.2
1854	29.3	58.3	19	83.3
0	35.5	57.6	0	58.5
1855	25.9	57.1	19	50.5
0	7.9	56.7	2	37.8
1856	-0.8	56.4	19	25.0
0	-0.7	56.2	4	21.2
1857	-6.8	56.0	19	14.3
0	-17.8	55.9	6	10.9
1858			19	
0			7	
1859			19	
0			9	
1860			20	
0			1	
1861			20	

1885	-24.4	55.8	23	4.5
0	-25.5	55.8	2	-1.8
1886	-22.6	55.8	23	-6.3
0	-17.8	56.0	2	-13.0
1887	-13.0	56.1	23	-18.3
0	-10.7	56.3	2	-21.8
1888	-11.1	56.5	23	-25.2
0	-14.0	56.8	1	-26.0
1889	-17.6	57.1	23	-26.8
0	-20.9	57.4	1	-38.3
1890	-22.0	57.8	23	-44.7
0	-21.3	58.2	1	-51.3
1891	-19.9	58.8	23	-57.7
0	-18.3	59.3	1	-63.3
1892	-17.1	59.9	23	-68.6
0	-16.3	60.6	1	-73.7
1893	-15.9	61.3	23	-78.8
0	-16.8	62.0	0	-83.0
1894	-18.4	62.8	23	-87.8
0	-19.7	63.7	0	-85.4
1895	-19.7	64.6	23	-90.5
0	-18.8	65.5	0	-95.5
1896	-17.5	66.5	22	-100.8
0	-16.8	67.6	9	-105.4
1897	-17.1	68.6	22	-109.9
0	-17.9	69.8	9	-114.7
1898	-18.8	71.0	22	-119.2
0	-18.7	72.2	8	-124.5
1899	-17.6	73.5	22	-129.1
0	-16.5	74.8	8	-134.1
1900	-17.0	76.2	22	-138.1
0	-18.3	77.6	7	-142.9
1901	-20.5	79.1	22	-147.2
0	-20.7	80.6	6	-152.8
1902	-18.7	82.1	22	-158.1
0	-17.0	83.8	5	-162.9
1903	-15.9	85.4	22	-167.1
0	-18.0	87.1	5	-170.9
1904	-21.4	88.9	22	-174.6
0	-25.5	90.6	4	-175.4
1905	-28.7	92.4	22	-175.4
0	-29.7	94.1	3	-175.7
1906	-30.4	95.9	22	-175.7
0	-31.6	97.6	2	-175.7
1907	-32.4	99.4	22	-175.9
0	-32.5	101.2	1	-176.2
1908	-32.4	102.9	22	-175.9
0	-32.0	104.7	0	-175.9
1909	-32.1	106.4	21	-175.9
0	-32.7	108.2	9	-175.9
1910	-32.8	110.0	21	-176.2
0	-33.2	111.7	8	-175.9
1911	-34.2	113.5	21	-175.9
0	-34.8	115.2	6	-176.2
1912			21	
0			5	
1913			21	
0			4	
1914			21	
0			3	
1915			21	

1939	-34.7	117.0	170	-176.2
0	-33.2	118.8	169	-176.2
1940	-31.2	120.5	167	-175.9
0	-29.3	122.3	165	-175.7
1941	-29.3	124.0	163	-175.4
0	-30.0	125.8	162	-175.9
1942	-30.2	127.6	160	-175.9
0	-29.2	129.3	158	-175.7
1943	-27.8	131.1	156	-175.7
0	-26.8	132.8	155	-175.4
1944	-26.3	134.6	153	-175.4
0	-25.4	136.3	151	-175.7
1945	-24.3	138.1	149	-175.1
0	-22.9	139.8	148	-174.9
1946	-21.8	141.6	146	-175.1
0	-21.7	143.3	144	-174.9
1947	-21.3	145.1	142	-175.1
0	-20.3	146.8	141	-175.1
1948	-19.1	148.6	139	-174.6
0	-19.3	150.3	137	-174.9
1949	-19.9	152.1	135	-174.9
0	-19.9	153.8	134	-174.9
1950	-18.7	155.6	132	-174.9
0	-16.3	157.3	130	-174.6
1951	-14.6	159.1	128	-174.3
0	-14.6	160.8	127	-174.3
1952	-15.2	162.6	125	-174.3
0	-15.3	164.3	123	-174.3
1953	-14.6	166.1	121	-174.3
0	-13.2	167.8	120	-174.1
1954	-11.9	169.5	118	-173.8
0	-9.9	171.3	116	-174.1
1955	-7.5	173.0	114	-173.5
0	-5.3	174.8	113	-173.5
1956	-3.8	176.5	111	-173.3
0	-2.6	178.2	109	-173.3
1957	-1.9	179.9	108	-173.0
0	-1.8	181.7	106	-173.0
1958	-1.6	183.4	104	-172.5
0	-1.6	185.1	102	-172.2
1959	-1.6	186.8	101	-171.9
0	-0.7	188.6	99	-171.4
1960	6.8	190.3	97	-169.8
0	13.8	191.9	96	-166.3
1961	12.3	193.5	94	-173.0
0	-3.9	194.8	93	-125.1
1962	-28.9	195.9	92	-107.2
0	-54.5	196.7	91	-77.7
1963	-57.1	197.3	90	-61.2
0	-34.4	197.8	90	-41.5
1964	-3.9	198.2	89	-33.5
0	2.3	198.5	89	-21.8
1965	8.1	198.7	89	-19.1
0	19.9	198.8	89	-10.9
1966				
0				
1967				
0				
1968				
0				
1969				

1993	18.7	198.8	89	-3.4
0	4.6	198.8	89	0.0
1994	-1.4	198.8	89	-0.2
0	0.7	198.9	89	-0.2
1995	6.6	198.9	89	0.2
0	20.6	198.8	89	1.5
1996	28.2	198.8	89	8.5
0	24.5	198.6	89	15.4
1997	15.5	198.5	89	20.4
0	8.1	198.2	89	21.5
1998	9.2	198.0	89	23.6
0	18.0	197.7	90	26.3
1999	27.9	197.4	90	31.1
0	31.6	197.0	90	37.8
2000	27.3	196.5	91	45.5
0	17.4	195.9	92	63.3
2001	10.6	195.3	92	62.0
0	10.4	194.7	93	58.5
2002	17.5	194.0	93	61.2
0	25.6	193.3	94	65.4
2003	28.7	192.5	95	79.8
0	24.8	191.6	96	87.8
2004	17.2	190.7	97	94.7
0	12.1	189.7	98	99.0
2005	13.2	188.7	99	102.2
0	18.7	187.6	100	105.9
2006	25.1	186.5	101	111.0
0	25.2	185.4	102	118.2
2007	19.7	184.2	103	124.8
0	13.0	182.9	105	129.6
2008	10.3	181.5	106	132.8
0	12.2	180.2	107	135.2
2009	18.2	178.8	109	138.7
0	22.6	177.4	110	143.4
2010	20.7	175.9	112	149.3
0	14.1	174.4	113	154.4
2011	8.3	172.8	115	157.8
0	6.5	171.2	116	159.4
2012	10.3	169.6	118	161.0
0	16.1	168.0	119	163.1
2013	19.4	166.3	121	167.1
0	17.8	164.6	123	172.2
2014	12.2	162.9	125	175.9
0	8.0	161.1	126	178.1
2015	8.3	159.3	128	178.6
0	11.9	157.5	130	179.1
2016	16.3	155.7	132	179.7
0	18.8	153.9	134	179.9
2017	18.3	152.1	135	179.9
0	15.7	150.3	137	179.7
2018	12.3	148.5	139	179.7
0	10.8	146.7	141	179.4
2019	11.1	144.9	143	179.4
0	13.2	143.1	144	179.7
2020				
0				
2021				
0				
2022				
0				
2023				

2047	15.6	141.3	14	179.4
0	15.6	139.6	6	179.7
2048	13.4	137.8	14	179.9
0	10.6	136.0	8	179.7
2049	9.4	134.2	15	179.4
0	10.2	132.4	0	179.4
2050	12.1	130.6	15	179.7
0	14.0	128.8	1	179.7
2051	14.6	127.0	15	180.2
0	13.6	125.2	3	179.7
2052	11.9	123.4	15	179.7
0	10.4	121.6	5	179.4
2053	9.5	119.8	15	179.4
0	10.3	118.0	7	179.7
2054	11.5	116.2	15	179.4
0	12.6	114.4	9	179.9
2055	12.6	112.6	16	179.9
0	11.4	110.8	0	179.7
2056	10.6	109.0	16	179.7
0	10.3	107.2	2	179.4
2057	10.8	105.4	16	179.7
0	10.8	103.6	4	179.7
2058	10.2	101.8	16	179.7
0	9.1	100.0	6	179.7
2059	7.9	98.2	16	179.4
0	7.2	96.4	8	179.4
2060	6.5	94.6	16	179.4
0	6.1	92.8	9	179.4
2061	6.1	91.1	17	179.4
0	6.0	89.3	1	179.4
2062	6.4	87.5	17	179.4
0	6.1	85.7	3	179.7
2063	4.9	83.9	17	179.4
0	3.5	82.1	5	179.4
2064	2.6	80.3	17	179.1
0	2.0	78.5	7	179.1
2065	1.8	76.7	17	179.1
0	1.8	74.9	8	178.9
2066	1.5	73.1	18	178.3
0	0.9	71.3	0	178.3
2067	-4.1	69.6	18	176.5
0	-9.5	67.8	2	172.2
2068	-9.4	66.1	18	168.7
0	-4.9	64.5	4	165.5
2069	-2.0	62.8	18	163.7
0	-2.2	61.3	6	141.8
2070	2.4	60.0	18	113.1
0	19.4	58.9	7	106.7
2071	40.7	58.1	18	76.6
0	44.7	57.4	9	65.4
2072	28.3	57.0	19	45.5
0	6.2	56.6	1	33.8
2073	-1.1	56.3	19	25.0
0	-2.4	56.1	3	17.3
2074			19	
0			5	
2075			19	
0			6	
2076			19	
0			8	
2077			20	

2101	-12.2	56.0	23	13.5
0	-21.2	55.9	1	9.5
2102	-23.2	55.8	23	2.3
0	-22.4	55.9	2	-0.7
2103	-19.8	55.9	23	-7.9
0	-16.5	56.0	2	-11.7
2104	-13.6	56.2	23	-14.6
0	-12.7	56.4	2	-21.8
2105	-13.8	56.6	23	-25.5
0	-17.1	56.8	2	-26.8
2106	-21.7	57.1	23	-28.4
0	-25.4	57.5	1	-41.7
2107	-26.0	57.9	23	-44.7
0	-24.0	58.4	1	-51.9
2108	-20.5	59.0	23	-52.1
0	-17.8	59.6	1	-57.2
2109	-16.4	60.3	23	-61.4
0	-17.1	61.0	1	-65.4
2110	-18.6	61.8	23	-69.4
0	-20.1	62.6	1	-81.9
2111	-20.1	63.5	23	-87.5
0	-18.7	64.4	0	-93.1
2112	-17.8	65.4	23	-97.9
0	-16.4	66.4	0	-103.0
2113	-15.2	67.4	23	-107.0
0	-14.4	68.5	0	-111.2
2114	-14.2	69.7	22	-115.0
0	-15.3	70.9	9	-118.4
2115	-16.7	72.1	22	-122.9
0	-17.6	73.3	8	-126.9
2116	-17.8	74.6	22	-131.7
0	-17.9	76.0	8	-136.5
2117	-18.2	77.4	22	-141.0
0	-19.0	78.8	7	-145.8
2118	-19.8	80.3	22	-150.9
0	-20.1	81.9	6	-155.7
2119	-19.4	83.5	22	-161.3
0	-19.3	85.1	6	-166.1
2120	-20.1	86.8	22	-170.9
0	-22.4	88.6	5	-174.9
2121	-26.3	90.3	22	-175.1
0	-29.8	92.1	4	-175.7
2122	-32.1	93.8	22	-176.2
0	-33.9	95.6	3	-175.7
2123	-35.1	97.4	22	-176.2
0	-35.8	99.1	2	-176.5
2124	-35.9	100.9	22	-176.2
0	-36.3	102.7	1	-176.5
2125	-36.7	104.4	22	-176.5
0	-37.7	106.2	0	-176.5
2126	-38.8	107.9	21	-176.7
0	-39.2	109.7	9	-176.7
2127	-39.6	111.5	21	-176.7
0	-40.8	113.2	8	-176.7
2128			21	
0			7	
2129			21	
0			5	
2130			21	
0			4	
2131			21	

2155	-42.0	115.0	172	-177.0
0	-42.4	116.8	171	-177.0
2156	-41.9	118.6	169	-177.0
0	-40.4	120.3	167	-176.7
2157	-38.9	122.1	165	-176.5
0	-38.5	123.9	164	-176.5
2158	-38.6	125.6	162	-177.0
0	-38.9	127.4	160	-176.7
2159	-38.2	129.2	158	-176.5
0	-37.0	130.9	157	-176.5
2160	-35.8	132.7	155	-176.2
0	-34.8	134.5	153	-176.2
2161	-33.6	136.2	151	-176.2
0	-33.0	138.0	149	-175.9
2162	-32.3	139.7	148	-175.9
0	-32.0	141.5	146	-176.2
2163	-32.1	143.3	144	-175.9
0	-31.7	145.0	142	-175.9
2164	-30.0	146.8	141	-176.2
0	-28.3	148.5	139	-175.7
2165	-27.3	150.3	137	-175.4
0	-26.8	152.1	135	-175.7
2166	-26.3	153.8	134	-175.4
0	-24.5	155.6	132	-175.4
2167	-22.1	157.3	130	-175.4
0	-20.5	159.1	128	-174.9
2168	-19.9	160.8	127	-174.9
0	-19.9	162.6	125	-174.9
2169	-19.4	164.3	123	-174.6
0	-18.3	166.1	121	-174.9
2170	-17.0	167.8	120	-174.6
0	-15.9	169.6	118	-174.1
2171	-14.5	171.3	116	-174.6
0	-12.9	173.0	114	-174.1
2172	-11.0	174.8	113	-174.1
0	-9.8	176.5	111	-174.1
2173	-8.0	178.3	109	-173.5
0	-6.5	180.0	107	-173.3
2174	-4.3	181.7	106	-173.5
0	-2.4	183.5	104	-173.0
2175	-1.8	185.2	102	-173.3
0	-1.8	186.9	101	-173.0
2176	-1.6	188.7	99	-172.5
0	-1.6	190.4	97	-172.2
2177	-1.2	192.1	95	-171.9
0	1.4	193.7	94	-147.4
2178	-3.0	195.1	92	-138.4
0	-25.2	196.1	91	-97.1
2179	-55.9	196.9	91	-76.1
0	-63.6	197.5	90	-53.5
2180	-47.6	198.0	89	-44.7
0	-21.2	198.4	89	-28.4
2181	2.6	198.6	89	-22.0
0	4.1	198.8	89	-14.6
2182				
0				
2183				
0				
2184				
0				
2185				

2209	14.1	198.9	8	-11.9
0	13.6	199.0	9	-6.3
2210	6.1	199.0	8	-1.8
0	-0.3	199.0	8	-1.0
2211	-0.9	199.0	8	-1.8
0	4.6	199.1	8	-1.3
2212	14.1	199.1	8	0.5
0	22.1	199.1	8	2.3
2213	24.7	199.0	8	8.7
0	20.3	198.8	8	17.0
2214	14.5	198.7	8	20.2
0	11.8	198.4	8	22.0
2215	14.8	198.1	8	25.0
0	21.2	197.8	8	29.0
2216			8	
0			8	
2217			8	
0			8	
2218			8	
0			9	
2219			8	
0			9	
2220			8	
0			9	
2221			8	
0			9	
2222			9	
0			0	