

N	Average Error		Occurances	Average Error
1	0.00E+00		1008	0.00E+00
2	0.00E+00		393	1.45E-22
3	0.00E+00		206	1.49E-19
4	0.00E+00		184	7.93E-19
5	0.00E+00		177	1.49E-19
6	0.00E+00		127	3.10E-21
7	0.00E+00		124	1.21E-23
8	0.00E+00		96	7.93E-19
9	0.00E+00		66	1.59E-18
10	0.00E+00		63	3.11E-21
11	0.00E+00		61	1.24E-20
12	0.00E+00		61	9.42E-19
13	0.00E+00		60	5.91E-21
14	0.00E+00		59	1.57E-22
15	0.00E+00		59	3.24E-21
16	0.00E+00		54	1.25E-20
17	0.00E+00		49	1.52E-19
18	0.00E+00		48	3.63E-22
19	0.00E+00		48	1.52E-19
20	0.00E+00		47	1.59E-18
21	0.00E+00		44	1.59E-18
22	0.00E+00		42	1.60E-18
23	0.00E+00		42	1.59E-18
24	0.00E+00		42	1.73E-18
25	0.00E+00		42	9.42E-19
26	0.00E+00		39	1.25E-20
27	0.00E+00		37	1.74E-18
28	0.00E+00		37	1.52E-19
29	0.00E+00		36	1.49E-19

30	0.00E+00		36	1.60E-18
31	0.00E+00		35	1.49E-19
32	0.00E+00		34	1.74E-18
33	0.00E+00		33	1.24E-20
34	2.39E-22		33	1.94E-22
35	3.10E-21		32	4.65E-21
36	2.38E-18		31	1.55E-20
37	1.60E-18		30	3.26E-21
38	5.92E-21		30	3.12E-21
39	5.45E-18		30	1.98E-19
40	2.06E-22		29	3.07E-18
41	1.59E-18		29	1.74E-18
42	1.60E-18		28	1.60E-18
43	1.78E-18		27	1.73E-18
44	1.82E-18		26	1.61E-19
45	3.27E-18		26	1.52E-19
46	6.26E-21		25	1.59E-18
47	2.29E-19		24	1.60E-18
48	3.10E-21		23	1.82E-23
49	1.60E-18		23	2.38E-18
50	2.38E-18		22	1.75E-18
51	1.61E-18		22	9.45E-19
52	0.00E+00		21	1.60E-18
53	1.83E-20		21	1.59E-18
54	1.49E-19		21	1.75E-18
55	1.21E-23		21	1.64E-19
56	1.49E-19		21	1.61E-19
57	1.74E-18		21	1.59E-18
58	3.11E-21		20	8.09E-19
59	1.49E-19		20	1.60E-18

60	1.45E-22		20	1.56E-20
61	0.00E+00		19	9.42E-19
62	0.00E+00		19	1.73E-18
63	1.45E-22		19	1.59E-18
64	0.00E+00		18	2.06E-22
65	0.00E+00		18	3.08E-18
66	3.63E-22		18	7.96E-19
67	2.39E-22		18	7.96E-19
68	5.91E-21		17	2.45E-20
69	3.10E-21		17	1.60E-18
70	0.00E+00		17	1.59E-18
71	2.38E-18		17	1.55E-20
72	0.00E+00		16	1.59E-18
73	1.60E-18		16	6.05E-21
74	3.97E-19		16	7.96E-19
75	5.92E-21		16	2.48E-20
76	3.08E-18		15	1.61E-19
77	5.45E-18		15	2.53E-18
78	1.26E-20		15	9.00E-21
79	2.06E-22		14	3.08E-18
80	5.91E-21		14	1.59E-18
81	1.59E-18		14	1.60E-18
82	3.07E-18		14	1.59E-18
83	1.60E-18		14	7.99E-19
84	1.75E-18		14	1.60E-18
85	1.78E-18		14	1.75E-18
86	1.61E-18		14	1.64E-19
87	1.82E-18		13	1.61E-18
88	1.59E-18		13	1.59E-18
89	3.27E-18		13	1.75E-18

90	1.82E-18		13	3.08E-18
91	6.26E-21		13	1.84E-20
92	1.61E-18		13	3.22E-18
93	2.29E-19		13	2.14E-20
94	0.00E+00		13	3.46E-21
95	3.10E-21		13	5.92E-21
96	3.07E-18		13	1.60E-18
97	1.60E-18		12	2.38E-18
98	1.75E-22		12	1.83E-20
99	2.38E-18		12	1.59E-18
100	1.59E-18		12	1.78E-18
101	1.61E-18		12	1.78E-18
102	1.60E-18		12	1.55E-19
103	0.00E+00		12	9.17E-21
104	9.42E-19		12	1.64E-19
105	1.83E-20		11	2.38E-18
106	1.49E-19		11	1.75E-22
107	1.49E-19		11	1.59E-18
108	8.09E-19		11	3.07E-18
109	1.21E-23		11	9.54E-19
110	1.52E-19		11	7.93E-19
111	1.49E-19		11	2.39E-18
112	1.45E-22		10	1.61E-18
113	1.74E-18		10	3.29E-21
114	1.61E-19		10	3.09E-18
115	3.11E-21		10	1.75E-18
116	1.57E-22		10	1.61E-19
117	1.49E-19		10	1.86E-20
118	3.26E-21		10	7.96E-19
119	1.45E-22		9	2.01E-19

120	1.45E-22		9	1.86E-20
121	0.00E+00		9	1.98E-18
122	1.45E-22		9	1.79E-18
123	0.00E+00		9	1.83E-20
124	0.00E+00		9	3.09E-18
125	1.45E-22		9	4.66E-18
126	0.00E+00		9	2.38E-18
127	0.00E+00		9	1.74E-18
128	0.00E+00		9	1.60E-18
129	0.00E+00		9	4.67E-18
130	0.00E+00		9	1.64E-19
131	3.63E-22		9	4.66E-18
132	0.00E+00		9	1.61E-18
133	2.39E-22		9	1.57E-20
134	1.21E-23		9	1.67E-19
135	5.91E-21		9	2.53E-18
136	0.00E+00		9	8.05E-19
137	3.10E-21		9	1.60E-18
138	0.00E+00		8	2.39E-22
139	0.00E+00		8	5.92E-21
140	4.65E-21		8	5.45E-18
141	2.38E-18		8	1.78E-18
142	3.12E-21		8	1.82E-18
143	0.00E+00		8	3.27E-18
144	4.86E-21		8	6.26E-21
145	1.60E-18		8	2.29E-19
146	1.59E-18		8	1.61E-18
147	3.97E-19		8	3.07E-18
148	1.73E-18		8	1.94E-18
149	5.92E-21		8	8.09E-19

150	3.87E-19		8	1.59E-18
151	3.08E-18		8	4.66E-18
152	3.63E-22		8	7.99E-19
153	5.45E-18		8	3.08E-18
154	4.65E-21		8	3.07E-18
155	1.26E-20		8	3.27E-18
156	1.24E-20		8	2.01E-19
157	2.06E-22		8	2.14E-19
158	3.89E-19		8	1.87E-20
159	5.91E-21		8	2.01E-19
160	2.01E-19		8	3.31E-21
161	1.59E-18		8	3.03E-23
162	2.53E-18		8	3.08E-18
163	3.07E-18		8	2.17E-20
164	9.56E-21		8	2.17E-19
165	1.60E-18		8	3.07E-18
166	1.45E-22		8	1.63E-22
167	1.75E-18		8	3.84E-19
168	1.59E-20		8	2.42E-23
169	1.78E-18		8	1.56E-20
170	3.10E-21		8	9.45E-19
171	1.61E-18		7	3.97E-19
172	4.32E-20		7	3.08E-18
173	1.82E-18		7	1.26E-20
174	1.24E-20		7	1.75E-18
175	1.59E-18		7	1.82E-18
176	1.60E-18		7	3.87E-19
177	3.27E-18		7	1.59E-20
178	1.59E-18		7	1.74E-18
179	1.82E-18		7	2.02E-19

180	2.14E-19		7	3.45E-21
181	6.26E-21		7	3.22E-18
182	1.94E-18		7	2.39E-18
183	1.61E-18		7	1.88E-20
184	1.59E-18		7	2.38E-18
185	2.29E-19		7	1.61E-18
186	1.62E-18		7	1.74E-18
187	0.00E+00		7	4.68E-18
188	8.09E-19		7	6.12E-21
189	3.10E-21		7	3.23E-18
190	1.59E-18		7	1.60E-18
191	3.07E-18		7	3.07E-18
192	3.42E-20		7	9.51E-19
193	1.60E-18		7	4.66E-18
194	4.66E-18		7	2.39E-18
195	1.75E-22		7	2.38E-18
196	1.77E-18		7	3.87E-19
197	2.38E-18		7	1.73E-18
198	7.99E-19		7	1.59E-18
199	1.59E-18		7	1.98E-19
200	1.74E-18		7	9.15E-21
201	1.61E-18		7	1.26E-20
202	3.08E-18		7	1.67E-19
203	1.60E-18		7	3.24E-18
204	3.08E-18		7	7.93E-19
205	0.00E+00		7	4.66E-18
206	1.59E-18		7	4.66E-18
207	9.42E-19		7	2.54E-18
208	1.24E-20		7	2.53E-18
209	1.83E-20		7	3.09E-18

210	1.75E-18		7	1.55E-19
211	1.49E-19		7	7.93E-19
212	1.74E-18		6	4.86E-21
213	1.49E-19		6	1.59E-18
214	1.75E-18		6	3.89E-19
215	8.09E-19		6	9.56E-21
216	1.25E-20		6	4.32E-20
217	1.21E-23		6	1.24E-20
218	1.59E-18		6	2.14E-19
219	1.52E-19		6	1.62E-18
220	1.59E-18		6	3.42E-20
221	1.49E-19		6	1.77E-18
222	1.61E-19		6	3.97E-19
223	1.45E-22		6	1.26E-20
224	1.49E-19		6	2.17E-18
225	1.74E-18		6	1.24E-20
226	1.52E-19		6	1.59E-18
227	1.61E-19		6	1.73E-19
228	1.25E-20		6	8.02E-19
229	3.11E-21		6	1.59E-18
230	1.21E-23		6	1.60E-18
231	1.57E-22		6	3.09E-18
232	1.57E-22		6	2.01E-19
233	1.49E-19		6	1.73E-19
234	1.52E-19		6	3.23E-18
235	3.26E-21		6	9.48E-19
236	1.45E-22		6	3.84E-19
237	1.45E-22		6	6.35E-21
238	9.42E-19		6	6.10E-21
239	1.45E-22		6	1.98E-19

240	9.42E-19		6	1.52E-19
241	0.00E+00		6	4.68E-18
242	1.45E-22		6	3.09E-18
243	1.45E-22		6	3.07E-18
244	1.49E-19		6	1.49E-19
245	0.00E+00		6	1.49E-19
246	1.45E-22		6	2.53E-18
247	0.00E+00		6	2.38E-18
248	0.00E+00		6	1.99E-19
249	1.45E-22		6	1.97E-18
250	7.93E-19		6	3.47E-19
251	0.00E+00		6	1.75E-18
252	0.00E+00		5	2.11E-19
253	0.00E+00		5	1.59E-18
254	7.93E-19		5	1.98E-18
255	0.00E+00		5	3.89E-19
256	0.00E+00		5	2.76E-18
257	0.00E+00		5	1.95E-18
258	0.00E+00		5	2.17E-19
259	0.00E+00		5	1.59E-18
260	0.00E+00		5	3.10E-18
261	3.63E-22		5	8.02E-19
262	0.00E+00		5	3.24E-18
263	0.00E+00		5	4.81E-18
264	0.00E+00		5	3.22E-18
265	2.39E-22		5	4.04E-18
266	1.21E-23		5	1.62E-18
267	1.21E-23		5	1.83E-19
268	0.00E+00		5	1.55E-19
269	5.91E-21		5	3.29E-18

270	3.07E-18		5	2.23E-19
271	0.00E+00		5	1.70E-20
272	0.00E+00		5	2.22E-19
273	3.10E-21		5	1.74E-18
274	1.82E-23		5	2.11E-19
275	0.00E+00		5	3.09E-18
276	3.63E-22		5	3.22E-18
277	0.00E+00		5	1.73E-19
278	5.91E-21		5	2.53E-18
279	4.65E-21		5	3.22E-18
280	1.86E-20		5	2.78E-20
281	2.38E-18		5	1.60E-18
282	2.11E-19		5	3.09E-18
283	3.12E-21		5	3.23E-18
284	2.02E-19		5	1.74E-18
285	0.00E+00		5	1.60E-18
286	3.97E-19		5	7.99E-19
287	4.86E-21		5	3.69E-20
288	1.59E-18		5	1.24E-20
289	1.60E-18		5	1.98E-19
290	1.25E-20		5	1.60E-18
291	1.59E-18		5	1.60E-18
292	1.98E-18		5	9.45E-19
293	3.97E-19		5	1.60E-18
294	5.91E-21		5	1.60E-18
295	1.73E-18		5	3.17E-18
296	1.26E-20		5	3.24E-18
297	5.92E-21		5	3.08E-18
298	3.89E-19		5	3.41E-20
299	3.87E-19		5	1.70E-19

300	1.57E-22		5	1.58E-19
301	3.08E-18		5	3.09E-18
302	1.55E-20		5	4.69E-18
303	3.63E-22		5	2.55E-18
304	1.98E-18		5	3.22E-18
305	5.45E-18		5	3.23E-18
306	1.59E-18		5	8.09E-19
307	4.65E-21		5	2.54E-18
308	2.76E-18		5	3.63E-23
309	1.26E-20		5	1.59E-18
310	2.17E-18		5	3.08E-18
311	1.24E-20		5	1.70E-19
312	3.45E-21		5	1.75E-18
313	2.06E-22		5	1.21E-20
314	1.49E-19		5	2.39E-18
315	3.89E-19		5	1.67E-19
316	1.95E-18		5	1.55E-19
317	5.91E-21		5	6.06E-21
318	3.12E-21		5	3.08E-18
319	2.01E-19		5	1.75E-18
320	2.17E-19		5	2.38E-18
321	1.59E-18		5	1.73E-18
322	1.59E-18		5	2.54E-18
323	2.53E-18		4	4.96E-20
324	1.24E-20		4	3.14E-21
325	3.07E-18		4	2.38E-18
326	1.59E-18		4	7.74E-21
327	9.56E-21		4	3.18E-18
328	1.60E-18		4	1.62E-18
329	1.60E-18		4	3.08E-18

330	1.59E-18		4	7.98E-19
331	1.45E-22		4	1.72E-20
332	1.59E-18		4	8.18E-19
333	1.75E-18		4	1.61E-18
334	3.07E-18		4	3.75E-22
335	1.59E-20		4	1.63E-18
336	1.59E-18		4	4.06E-19
337	1.78E-18		4	1.56E-19
338	3.22E-18		4	4.18E-18
339	3.10E-21		4	3.57E-22
340	1.79E-18		4	1.78E-18
341	1.61E-18		4	1.59E-18
342	1.59E-18		4	2.34E-20
343	4.32E-20		4	4.00E-19
344	3.27E-18		4	3.23E-18
345	1.82E-18		4	1.95E-18
346	3.10E-18		4	1.79E-18
347	1.24E-20		4	1.55E-19
348	8.02E-19		4	2.11E-19
349	1.59E-18		4	2.18E-18
350	1.59E-18		4	3.53E-19
351	1.60E-18		4	3.19E-18
352	3.08E-18		4	4.68E-18
353	3.27E-18		4	3.45E-21
354	3.11E-21		4	1.59E-18
355	1.59E-18		4	6.25E-18
356	2.01E-19		4	1.95E-18
357	1.82E-18		4	1.95E-18
358	1.73E-18		4	3.09E-18
359	2.14E-19		4	6.25E-18

360	2.14E-19		4	1.94E-18
361	6.26E-21		4	1.61E-18
362	1.78E-18		4	1.93E-18
363	1.94E-18		4	7.19E-18
364	2.45E-20		4	3.27E-18
365	1.61E-18		4	2.02E-19
366	3.24E-18		4	1.75E-18
367	1.59E-18		4	4.81E-18
368	1.59E-18		4	2.17E-19
369	2.29E-19		4	2.14E-19
370	2.45E-20		4	3.08E-18
371	1.62E-18		4	1.01E-18
372	3.24E-21		4	5.49E-18
373	0.00E+00		4	1.62E-18
374	1.73E-19		4	3.10E-18
375	8.09E-19		4	5.61E-18
376	1.60E-18		4	1.67E-19
377	3.10E-21		4	4.81E-18
378	1.60E-18		4	3.87E-18
379	1.59E-18		4	4.03E-18
380	3.08E-18		4	3.08E-18
381	3.07E-18		4	4.83E-18
382	1.21E-23		4	9.51E-19
383	3.42E-20		4	1.58E-19
384	4.81E-18		4	2.04E-19
385	1.60E-18		4	2.40E-18
386	1.87E-20		4	1.49E-19
387	4.66E-18		4	3.07E-18
388	3.22E-18		4	1.26E-20
389	1.75E-22		4	3.23E-18

390	4.04E-18		4	3.13E-21
391	1.77E-18		4	1.59E-18
392	1.62E-18		4	3.28E-18
393	2.38E-18		4	4.81E-18
394	1.83E-19		4	3.22E-18
395	7.99E-19		4	3.08E-18
396	1.49E-19		4	1.52E-19
397	1.59E-18		4	3.08E-18
398	3.08E-18		4	8.06E-19
399	1.74E-18		4	1.58E-19
400	1.83E-20		4	2.38E-18
401	1.61E-18		4	3.90E-19
402	3.09E-18		4	2.12E-22
403	3.08E-18		4	3.87E-22
404	1.84E-20		4	1.52E-19
405	1.60E-18		4	1.86E-20
406	0.00E+00		4	1.93E-18
407	3.08E-18		4	2.17E-20
408	3.22E-18		4	3.39E-22
409	0.00E+00		4	6.39E-21
410	4.66E-18		4	1.60E-18
411	1.59E-18		4	1.55E-19
412	1.55E-19		4	1.60E-18
413	9.42E-19		4	4.02E-18
414	1.74E-18		4	3.09E-18
415	1.24E-20		4	3.24E-18
416	6.05E-21		4	1.67E-19
417	1.83E-20		4	2.18E-20
418	8.02E-19		4	1.61E-19
419	1.75E-18		4	3.09E-18

420	1.59E-18		4	3.09E-18
421	1.49E-19		4	3.08E-18
422	1.75E-18		4	3.22E-18
423	1.74E-18		4	2.38E-18
424	1.25E-20		4	2.53E-18
425	1.49E-19		4	9.45E-19
426	2.39E-18		4	8.06E-19
427	1.75E-18		4	4.54E-23
428	3.24E-21		4	1.59E-18
429	8.09E-19		4	1.59E-18
430	3.24E-21		3	3.92E-19
431	1.25E-20		3	2.40E-18
432	3.10E-21		3	2.76E-18
433	1.21E-23		3	2.40E-18
434	1.75E-18		3	3.09E-20
435	1.59E-18		3	1.97E-18
436	1.49E-19		3	3.66E-18
437	1.52E-19		3	7.04E-18
438	1.52E-19		3	2.41E-18
439	1.59E-18		3	1.97E-18
440	1.73E-18		3	4.68E-18
441	1.49E-19		3	3.30E-18
442	1.60E-18		3	3.54E-20
443	1.61E-19		3	3.32E-18
444	7.96E-19		3	2.60E-18
445	1.45E-22		3	1.59E-18
446	1.25E-20		3	7.93E-19
447	1.49E-19		3	3.08E-18
448	1.60E-18		3	3.08E-18
449	1.74E-18		3	3.97E-18

450	1.60E-18		3	1.61E-18
451	1.52E-19		3	3.10E-18
452	1.25E-20		3	2.17E-18
453	1.61E-19		3	2.32E-20
454	1.24E-20		3	2.91E-20
455	1.25E-20		3	3.10E-20
456	1.25E-20		3	3.87E-18
457	3.11E-21		3	1.59E-18
458	0.00E+00		3	2.78E-18
459	1.21E-23		3	2.05E-19
460	1.52E-19		3	2.97E-20
461	1.57E-22		3	1.99E-18
462	3.11E-21		3	7.04E-18
463	1.57E-22		3	4.00E-20
464	1.57E-22		3	3.62E-19
465	1.49E-19		3	5.36E-19
466	1.52E-19		3	1.61E-18
467	1.52E-19		3	6.46E-18
468	1.45E-22		3	1.59E-18
469	3.26E-21		3	1.61E-18
470	1.49E-19		3	1.59E-18
471	1.45E-22		3	1.61E-18
472	3.10E-21		3	1.97E-18
473	1.45E-22		3	5.33E-19
474	0.00E+00		3	1.59E-18
475	9.42E-19		3	9.02E-21
476	0.00E+00		3	2.20E-20
477	1.45E-22		3	3.18E-18
478	1.45E-22		3	1.99E-18
479	9.42E-19		3	8.06E-19

480	9.42E-19		3	5.26E-18
481	0.00E+00		3	1.97E-18
482	1.49E-19		3	2.20E-19
483	1.45E-22		3	3.47E-19
484	1.49E-19		3	1.61E-18
485	1.45E-22		3	3.78E-19
486	1.49E-19		3	2.20E-20
487	1.49E-19		3	1.60E-18
488	1.49E-19		3	1.26E-20
489	0.00E+00		3	2.17E-19
490	1.49E-19		3	7.06E-18
491	1.45E-22		3	1.76E-18
492	7.93E-19		3	1.99E-19
493	0.00E+00		3	3.19E-18
494	0.00E+00		3	4.06E-18
495	0.00E+00		3	3.07E-18
496	1.45E-22		3	6.60E-18
497	1.45E-22		3	7.96E-19
498	1.45E-22		3	1.63E-18
499	7.93E-19		3	2.73E-18
500	7.93E-19		3	2.11E-19
501	0.00E+00		3	3.50E-19
502	7.93E-19		3	1.62E-18
503	0.00E+00		3	6.44E-18
504	7.93E-19		3	2.20E-19
505	0.00E+00		3	3.47E-19
506	0.00E+00		3	1.61E-18
507	7.93E-19		3	1.59E-18
508	0.00E+00		3	1.62E-18
509	0.00E+00		3	3.10E-18

510	7.93E-19		3	9.64E-19
511	0.00E+00		3	4.67E-18
512	0.00E+00		3	1.14E-18
513	0.00E+00		3	3.63E-19
514	0.00E+00		3	3.78E-19
515	0.00E+00		3	1.59E-18
516	0.00E+00		3	1.79E-18
517	0.00E+00		3	1.82E-18
518	0.00E+00		3	2.17E-19
519	0.00E+00		3	8.18E-19
520	4.96E-20		3	1.74E-18
521	3.63E-22		3	1.71E-19
522	0.00E+00		3	3.09E-18
523	0.00E+00		3	5.47E-18
524	0.00E+00		3	3.24E-18
525	0.00E+00		3	2.46E-20
526	0.00E+00		3	3.88E-18
527	0.00E+00		3	3.10E-18
528	3.14E-21		3	5.47E-18
529	2.39E-22		3	9.42E-19
530	3.10E-21		3	1.59E-18
531	1.21E-23		3	3.09E-18
532	0.00E+00		3	8.24E-19
533	1.21E-23		3	4.04E-18
534	0.00E+00		3	1.86E-20
535	0.00E+00		3	9.73E-19
536	1.45E-22		3	1.74E-18
537	5.91E-21		3	9.03E-21
538	3.12E-21		3	3.87E-18
539	3.07E-18		3	1.61E-19

540	2.38E-18		3	1.76E-18
541	0.00E+00		3	5.60E-18
542	3.24E-21		3	1.75E-18
543	0.00E+00		3	4.82E-18
544	3.29E-18		3	3.87E-18
545	3.10E-21		3	2.39E-18
546	7.74E-21		3	2.53E-18
547	1.82E-23		3	2.54E-18
548	3.18E-18		3	4.85E-21
549	0.00E+00		3	2.58E-18
550	0.00E+00		3	2.58E-18
551	3.63E-22		3	2.04E-19
552	1.45E-22		3	6.12E-21
553	0.00E+00		3	7.04E-18
554	2.38E-18		3	3.18E-18
555	5.91E-21		3	1.61E-18
556	0.00E+00		3	3.48E-21
557	4.65E-21		3	3.87E-19
558	1.62E-18		3	1.80E-19
559	1.86E-20		3	1.97E-18
560	3.08E-18		3	2.11E-19
561	2.38E-18		3	3.07E-18
562	7.98E-19		3	1.80E-18
563	2.11E-19		3	1.62E-18
564	3.10E-21		3	3.07E-18
565	3.12E-21		3	3.42E-18
566	1.72E-20		3	2.18E-20
567	2.02E-19		3	3.89E-18
568	0.00E+00		3	3.09E-18
569	0.00E+00		3	1.75E-18

570	8.18E-19		3	8.15E-19
571	3.97E-19		3	6.13E-21
572	1.61E-18		3	2.14E-20
573	4.86E-21		3	3.08E-18
574	1.88E-20		3	4.66E-18
575	1.59E-18		3	3.09E-18
576	3.75E-22		3	3.12E-20
577	1.60E-18		3	1.74E-18
578	2.23E-19		3	3.87E-18
579	1.25E-20		3	3.11E-18
580	1.59E-18		3	3.23E-18
581	1.59E-18		3	1.55E-20
582	1.70E-20		3	1.73E-18
583	1.98E-18		3	9.57E-19
584	1.63E-18		3	4.81E-18
585	3.97E-19		3	1.85E-20
586	1.61E-18		3	1.75E-18
587	5.91E-21		3	2.14E-20
588	4.06E-19		3	1.75E-18
589	1.73E-18		3	1.73E-18
590	5.91E-21		3	2.18E-22
591	1.26E-20		3	4.66E-18
592	2.38E-18		3	3.44E-21
593	5.92E-21		3	9.57E-19
594	1.52E-19		3	8.05E-19
595	3.89E-19		3	7.99E-19
596	1.56E-19		2	1.24E-20
597	3.87E-19		2	3.84E-19
598	1.78E-18		2	2.53E-18
599	1.57E-22		2	1.73E-18

600	3.29E-21		2	3.47E-19
601	3.08E-18		2	4.84E-21
602	4.18E-18		2	1.60E-18
603	1.55E-20		2	3.28E-18
604	3.57E-22		2	2.17E-20
605	3.63E-22		2	2.40E-18
606	1.78E-18		2	3.97E-19
607	1.98E-18		2	4.88E-21
608	0.00E+00		2	3.30E-18
609	5.45E-18		2	5.24E-20
610	1.59E-18		2	3.30E-21
611	1.59E-18		2	1.59E-18
612	2.22E-19		2	2.17E-19
613	4.65E-21		2	1.49E-19
614	1.59E-18		2	2.03E-19
615	2.76E-18		2	3.10E-18
616	1.98E-18		2	1.55E-19
617	1.26E-20		2	2.78E-18
618	3.63E-22		2	1.71E-19
619	2.17E-18		2	6.22E-21
620	2.34E-20		2	2.58E-18
621	1.24E-20		2	6.09E-21
622	4.00E-19		2	3.97E-18
623	3.45E-21		2	3.89E-19
624	2.01E-19		2	1.63E-18
625	2.06E-22		2	1.59E-18
626	1.64E-19		2	5.05E-18
627	1.49E-19		2	1.59E-18
628	3.23E-18		2	4.81E-21
629	3.89E-19		2	3.87E-19

630	1.95E-18		2	1.53E-19
631	1.95E-18		2	1.61E-18
632	3.10E-21		2	3.08E-18
633	5.91E-21		2	3.97E-19
634	1.79E-18		2	1.60E-18
635	3.12E-21		2	1.55E-19
636	1.55E-19		2	2.53E-18
637	2.01E-19		2	3.07E-20
638	1.59E-18		2	9.95E-19
639	2.17E-19		2	1.42E-20
640	2.11E-19		2	7.96E-19
641	1.59E-18		2	1.68E-19
642	2.18E-18		2	4.67E-18
643	1.59E-18		2	1.99E-18
644	3.53E-19		2	3.98E-18
645	2.53E-18		2	9.54E-19
646	1.55E-20		2	3.48E-18
647	1.24E-20		2	2.38E-18
648	3.19E-18		2	3.09E-18
649	3.07E-18		2	4.03E-19
650	1.59E-18		2	1.24E-20
651	1.59E-18		2	1.55E-19
652	1.60E-18		2	1.52E-19
653	9.56E-21		2	8.22E-19
654	4.68E-18		2	3.90E-19
655	1.60E-18		2	2.33E-20
656	3.45E-21		2	3.07E-18
657	1.60E-18		2	1.74E-18
658	1.74E-18		2	3.23E-18
659	1.59E-18		2	1.80E-18

660	1.59E-18		2	3.53E-19
661	1.45E-22		2	3.90E-19
662	3.12E-21		2	1.59E-18
663	1.59E-18		2	9.96E-19
664	1.78E-18		2	2.41E-18
665	1.75E-18		2	7.95E-21
666	6.25E-18		2	1.61E-19
667	3.07E-18		2	3.23E-18
668	1.95E-18		2	1.59E-18
669	1.59E-20		2	4.67E-18
670	2.11E-19		2	1.60E-18
671	1.59E-18		2	1.49E-19
672	1.60E-18		2	1.75E-18
673	1.78E-18		2	3.17E-18
674	1.74E-18		2	1.60E-18
675	3.22E-18		2	2.79E-18
676	1.95E-18		2	3.17E-18
677	3.10E-21		2	1.75E-18
678	1.45E-22		2	9.60E-19
679	1.79E-18		2	1.68E-19
680	3.09E-18		2	6.26E-18
681	1.61E-18		2	7.93E-19
682	6.25E-18		2	1.61E-18
683	1.59E-18		2	3.47E-18
684	1.94E-18		2	4.67E-18
685	4.32E-20		2	4.06E-19
686	7.93E-19		2	3.59E-19
687	3.27E-18		2	2.12E-18
688	1.61E-18		2	2.14E-18
689	1.82E-18		2	5.24E-18

690	1.93E-18		2	3.08E-18
691	3.10E-18		2	6.42E-18
692	7.19E-18		2	3.84E-19
693	1.24E-20		2	3.37E-18
694	1.60E-18		2	4.00E-19
695	8.02E-19		2	1.70E-19
696	3.09E-18		2	1.25E-20
697	1.59E-18		2	3.10E-18
698	3.27E-18		2	3.33E-18
699	1.59E-18		2	6.25E-18
700	2.02E-19		2	1.80E-18
701	1.60E-18		2	1.98E-19
702	1.61E-18		2	9.01E-21
703	3.08E-18		2	1.59E-18
704	0.00E+00		2	3.53E-19
705	3.27E-18		2	2.35E-19
706	1.75E-18		2	8.12E-19
707	3.11E-21		2	3.63E-19
708	4.81E-18		2	6.25E-18
709	1.59E-18		2	1.63E-18
710	3.09E-18		2	3.23E-18
711	2.01E-19		2	1.62E-18
712	2.01E-19		2	7.39E-18
713	1.82E-18		2	1.81E-18
714	2.17E-19		2	1.59E-18
715	1.73E-18		2	3.29E-18
716	1.74E-18		2	3.75E-19
717	2.14E-19		2	3.29E-18
718	2.01E-19		2	1.85E-20
719	2.14E-19		2	3.70E-20

720	2.14E-19		2	7.19E-18
721	6.26E-21		2	9.97E-19
722	3.08E-18		2	1.95E-18
723	1.78E-18		2	1.24E-20
724	4.68E-18		2	1.55E-19
725	1.94E-18		2	1.80E-18
726	1.01E-18		2	3.66E-19
727	2.45E-20		2	3.20E-18
728	3.22E-18		2	1.59E-18
729	1.61E-18		2	2.20E-19
730	7.96E-19		2	8.24E-19
731	3.24E-18		2	3.18E-18
732	2.14E-20		2	1.67E-19
733	1.59E-18		2	3.08E-18
734	1.74E-18		2	2.58E-18
735	1.59E-18		2	6.25E-18
736	5.49E-18		2	1.74E-18
737	2.29E-19		2	1.76E-18
738	7.93E-19		2	1.61E-19
739	2.45E-20		2	6.25E-18
740	6.12E-21		2	4.66E-18
741	1.62E-18		2	6.25E-18
742	3.08E-18		2	3.09E-18
743	3.24E-21		2	3.43E-18
744	3.23E-18		2	1.59E-18
745	0.00E+00		2	3.20E-18
746	1.60E-18		2	3.32E-18
747	1.73E-19		2	3.32E-18
748	1.62E-18		2	3.09E-18
749	8.09E-19		2	3.17E-18

750	3.31E-21		2	1.61E-18
751	1.60E-18		2	6.41E-18
752	3.10E-18		2	3.24E-18
753	3.10E-21		2	1.83E-19
754	5.61E-18		2	4.67E-18
755	1.60E-18		2	3.23E-18
756	1.73E-19		2	1.60E-18
757	1.59E-18		2	1.57E-20
758	3.07E-18		2	1.95E-18
759	3.08E-18		2	4.00E-20
760	1.73E-19		2	1.70E-19
761	3.07E-18		2	3.26E-18
762	3.07E-18		2	2.14E-19
763	1.21E-23		2	7.99E-19
764	3.23E-18		2	2.17E-19
765	3.42E-20		2	1.79E-19
766	2.53E-18		2	3.71E-19
767	4.81E-18		2	3.12E-18
768	3.22E-18		2	3.26E-21
769	1.60E-18		2	2.53E-18
770	4.66E-18		2	3.28E-18
771	1.87E-20		2	4.86E-18
772	1.67E-19		2	1.79E-18
773	4.66E-18		2	1.76E-18
774	1.61E-19		2	2.78E-20
775	3.22E-18		2	3.12E-20
776	1.74E-18		2	1.77E-18
777	1.75E-22		2	3.88E-18
778	4.81E-18		2	3.71E-20
779	4.04E-18		2	9.79E-19

780	9.51E-19		2	4.81E-18
781	1.77E-18		2	5.47E-18
782	3.09E-18		2	1.60E-18
783	1.62E-18		2	1.75E-18
784	2.78E-20		2	4.83E-18
785	2.38E-18		2	9.42E-19
786	1.60E-18		2	1.61E-18
787	1.83E-19		2	4.66E-18
788	3.09E-18		2	3.88E-18
789	7.99E-19		2	1.77E-18
790	3.87E-18		2	1.62E-18
791	1.49E-19		2	4.69E-18
792	4.66E-18		2	4.69E-18
793	1.59E-18		2	4.67E-18
794	3.03E-23		2	3.89E-18
795	3.08E-18		2	3.09E-18
796	3.23E-18		2	1.61E-18
797	1.74E-18		2	1.62E-18
798	4.03E-18		2	2.17E-20
799	1.83E-20		2	5.46E-18
800	3.08E-18		2	1.60E-18
801	1.61E-18		2	1.61E-18
802	4.83E-18		2	4.66E-18
803	3.09E-18		2	5.47E-18
804	3.08E-18		2	1.70E-19
805	3.08E-18		2	1.60E-18
806	1.60E-18		2	1.73E-18
807	1.84E-20		2	9.48E-19
808	1.45E-22		2	1.64E-19
809	1.60E-18		2	3.23E-18

810	7.99E-19		2	2.38E-18
811	0.00E+00		2	4.68E-18
812	4.67E-18		2	3.09E-18
813	3.08E-18		2	3.87E-18
814	1.61E-19		2	3.88E-18
815	3.22E-18		2	1.64E-19
816	1.74E-18		2	4.03E-18
817	0.00E+00		2	3.22E-18
818	7.93E-19		2	1.74E-18
819	4.66E-18		2	2.39E-18
820	0.00E+00		2	4.66E-21
821	1.59E-18		2	1.86E-20
822	1.49E-19		2	1.49E-19
823	1.55E-19		2	2.38E-18
824	9.51E-19		2	3.07E-18
825	9.42E-19		2	1.88E-20
826	1.21E-23		2	1.28E-20
827	1.74E-18		2	4.80E-21
828	1.60E-18		2	1.97E-18
829	1.24E-20		2	3.89E-19
830	2.38E-18		2	1.60E-18
831	6.05E-21		2	3.88E-19
832	1.58E-19		2	2.76E-20
833	1.83E-20		2	1.61E-18
834	9.48E-19		2	1.79E-18
835	8.02E-19		2	3.13E-21
836	1.61E-19		2	1.80E-18
837	1.75E-18		2	1.61E-18
838	7.99E-19		2	2.04E-19
839	1.59E-18		2	1.74E-18

840	1.25E-20		2	3.09E-18
841	1.49E-19		2	4.68E-18
842	2.39E-18		2	3.27E-18
843	1.75E-18		2	1.60E-18
844	1.24E-20		2	1.60E-18
845	1.74E-18		2	2.58E-18
846	1.59E-18		2	1.60E-18
847	1.25E-20		2	8.18E-19
848	1.59E-18		2	3.22E-18
849	1.49E-19		2	2.54E-18
850	2.53E-18		2	3.27E-18
851	2.39E-18		2	3.41E-20
852	0.00E+00		2	3.22E-18
853	1.75E-18		2	1.60E-18
854	9.54E-19		2	3.22E-18
855	3.24E-21		2	3.88E-18
856	1.24E-20		2	1.55E-20
857	8.09E-19		2	3.09E-18
858	7.93E-19		2	2.39E-18
859	3.24E-21		2	4.83E-18
860	1.59E-18		2	3.24E-18
861	1.25E-20		2	1.57E-20
862	1.24E-20		2	1.52E-19
863	3.10E-21		2	3.09E-18
864	1.59E-18		2	8.15E-19
865	1.21E-23		2	1.59E-18
866	1.59E-18		2	2.39E-18
867	1.75E-18		2	2.54E-18
868	1.49E-19		2	2.39E-18
869	1.59E-18		1	2.51E-20

870	1.21E-23		1	9.92E-19
871	1.49E-19		1	2.03E-19
872	1.74E-18		1	3.10E-18
873	1.52E-19		1	2.38E-18
874	3.11E-21		1	2.49E-20
875	1.52E-19		1	3.92E-19
876	1.25E-20		1	2.61E-18
877	1.59E-18		1	3.76E-20
878	1.75E-18		1	3.08E-18
879	1.73E-18		1	2.79E-20
880	1.24E-20		1	2.16E-20
881	1.49E-19		1	2.53E-18
882	1.60E-18		1	2.96E-18
883	1.60E-18		1	1.60E-18
884	1.52E-19		1	3.09E-18
885	1.61E-19		1	4.15E-19
886	1.45E-22		1	2.11E-19
887	7.96E-19		1	1.74E-18
888	1.59E-18		1	2.58E-18
889	1.45E-22		1	2.29E-19
890	1.59E-18		1	9.92E-19
891	1.25E-20		1	3.90E-19
892	3.24E-21		1	2.58E-18
893	1.49E-19		1	5.57E-22
894	1.49E-19		1	4.55E-18
895	1.60E-18		1	1.90E-20
896	7.96E-19		1	1.49E-19
897	1.74E-18		1	1.98E-19
898	1.60E-18		1	1.74E-18
899	1.60E-18		1	1.74E-18

900	1.49E-19		1	3.97E-18
901	1.52E-19		1	3.19E-18
902	1.25E-20		1	1.49E-19
903	1.25E-20		1	2.53E-18
904	1.74E-18		1	1.18E-18
905	1.61E-19		1	1.81E-18
906	1.73E-18		1	1.97E-18
907	1.24E-20		1	1.52E-19
908	1.25E-20		1	7.04E-18
909	1.25E-20		1	1.90E-20
910	1.45E-22		1	6.27E-18
911	1.25E-20		1	2.23E-19
912	1.61E-19		1	2.00E-18
913	3.11E-21		1	1.97E-18
914	1.56E-20		1	4.66E-18
915	0.00E+00		1	1.80E-19
916	1.49E-19		1	3.12E-18
917	1.21E-23		1	3.90E-19
918	1.64E-19		1	1.75E-18
919	1.52E-19		1	1.99E-18
920	3.24E-21		1	2.38E-18
921	1.57E-22		1	1.61E-18
922	0.00E+00		1	1.55E-19
923	3.11E-21		1	8.18E-19
924	1.49E-19		1	2.38E-18
925	1.57E-22		1	1.59E-18
926	1.21E-23		1	3.27E-18
927	1.57E-22		1	2.53E-18
928	7.93E-19		1	1.19E-18
929	1.49E-19		1	3.87E-18

930	9.42E-19		1	1.59E-18
931	1.52E-19		1	8.24E-19
932	3.11E-21		1	3.87E-18
933	1.52E-19		1	1.49E-19
934	3.26E-21		1	8.01E-19
935	1.45E-22		1	1.61E-18
936	1.21E-23		1	1.59E-18
937	3.26E-21		1	1.76E-18
938	1.45E-22		1	5.86E-19
939	1.49E-19		1	2.60E-18
940	1.49E-19		1	2.53E-18
941	1.45E-22		1	7.96E-19
942	7.96E-19		1	1.57E-20
943	3.10E-21		1	2.39E-18
944	1.45E-22		1	3.24E-18
945	1.45E-22		1	2.53E-18
946	0.00E+00		1	6.64E-18
947	0.00E+00		1	7.98E-19
948	9.42E-19		1	3.66E-18
949	9.42E-19		1	1.74E-18
950	7.93E-19		1	2.34E-20
951	0.00E+00		1	3.08E-18
952	1.49E-19		1	2.60E-18
953	1.45E-22		1	1.82E-22
954	0.00E+00		1	1.81E-18
955	1.45E-22		1	1.28E-20
956	1.49E-19		1	3.66E-18
957	9.42E-19		1	3.22E-18
958	1.49E-19		1	1.60E-18
959	9.42E-19		1	3.67E-18

960	1.45E-22		1	9.42E-18
961	0.00E+00		1	1.78E-18
962	1.49E-19		1	8.29E-19
963	1.49E-19		1	6.40E-18
964	1.45E-22		1	3.87E-19
965	1.45E-22		1	1.60E-18
966	1.49E-19		1	1.97E-18
967	1.49E-19		1	7.93E-19
968	1.45E-22		1	7.05E-18
969	1.45E-22		1	1.73E-18
970	7.93E-19		1	2.47E-20
971	1.49E-19		1	2.41E-18
972	1.45E-22		1	2.39E-18
973	1.49E-19		1	2.76E-18
974	1.49E-19		1	7.04E-18
975	1.49E-19		1	3.08E-18
976	1.45E-22		1	1.75E-18
977	0.00E+00		1	1.76E-18
978	1.45E-22		1	4.79E-21
979	1.49E-19		1	2.34E-20
980	0.00E+00		1	1.79E-18
981	1.45E-22		1	3.67E-18
982	1.49E-19		1	4.03E-19
983	7.93E-19		1	7.43E-18
984	1.49E-19		1	3.08E-18
985	0.00E+00		1	4.09E-18
986	0.00E+00		1	4.83E-18
987	0.00E+00		1	7.43E-18
988	0.00E+00		1	3.95E-19
989	0.00E+00		1	1.74E-18

990	1.45E-22		1	2.17E-18
991	1.45E-22		1	1.54E-19
992	0.00E+00		1	3.18E-18
993	1.45E-22		1	1.55E-19
994	0.00E+00		1	3.08E-18
995	1.45E-22		1	3.27E-18
996	1.45E-22		1	4.03E-19
997	7.93E-19		1	6.45E-18
998	0.00E+00		1	1.61E-18
999	7.93E-19		1	2.45E-20
1000	1.45E-22		1	1.81E-18
1001	0.00E+00		1	3.91E-19
1002	0.00E+00		1	2.11E-19
1003	7.93E-19		1	1.98E-18
1004	7.93E-19		1	1.18E-18
1005	0.00E+00		1	5.85E-19
1006	7.93E-19		1	2.02E-19
1007	7.93E-19		1	2.17E-18
1008	0.00E+00		1	4.66E-18
1009	0.00E+00		1	3.84E-19
1010	0.00E+00		1	4.31E-20
1011	0.00E+00		1	1.67E-19
1012	0.00E+00		1	8.12E-19
1013	7.93E-19		1	3.90E-19
1014	7.93E-19		1	3.66E-18
1015	0.00E+00		1	1.98E-19
1016	7.93E-19		1	1.95E-18
1017	0.00E+00		1	7.05E-18
1018	0.00E+00		1	1.73E-19
1019	7.93E-19		1	9.92E-19

1020	7.93E-19		1	2.40E-18
1021	0.00E+00		1	2.04E-19
1022	0.00E+00		1	1.61E-18
1023	0.00E+00		1	9.21E-21
1024	0.00E+00		1	4.25E-18
1025	0.00E+00		1	2.15E-18
1026	0.00E+00		1	6.44E-18
1027	0.00E+00		1	1.52E-19
1028	0.00E+00		1	1.74E-18
1029	0.00E+00		1	1.18E-18
1030	0.00E+00		1	1.97E-18
1031	0.00E+00		1	2.20E-19
1032	0.00E+00		1	1.79E-18
1033	0.00E+00		1	9.91E-19
1034	0.00E+00		1	3.84E-19
1035	0.00E+00		1	3.97E-19
1036	3.63E-22		1	4.68E-18
1037	0.00E+00		1	2.05E-19
1038	0.00E+00		1	7.02E-22
1039	4.96E-20		1	5.89E-19
1040	0.00E+00		1	2.32E-18
1041	3.63E-22		1	3.09E-18
1042	0.00E+00		1	1.98E-18
1043	0.00E+00		1	7.25E-18
1044	1.98E-19		1	1.67E-19
1045	0.00E+00		1	3.27E-18
1046	4.65E-21		1	3.28E-18
1047	0.00E+00		1	2.32E-18
1048	0.00E+00		1	1.88E-20
1049	0.00E+00		1	5.36E-19

1050	0.00E+00		1	7.93E-19
1051	0.00E+00		1	9.91E-19
1052	0.00E+00		1	6.39E-18
1053	0.00E+00		1	3.19E-18
1054	1.94E-22		1	1.76E-18
1055	3.14E-21		1	2.21E-20
1056	1.82E-23		1	3.32E-18
1057	2.39E-22		1	1.98E-19
1058	0.00E+00		1	2.58E-18
1059	3.10E-21		1	7.25E-18
1060	1.59E-18		1	1.52E-19
1061	1.21E-23		1	2.01E-19
1062	1.98E-19		1	4.67E-18
1063	0.00E+00		1	2.61E-18
1064	0.00E+00		1	1.62E-18
1065	1.21E-23		1	1.60E-18
1066	2.38E-18		1	6.27E-18
1067	0.00E+00		1	1.90E-20
1068	1.21E-23		1	1.75E-18
1069	0.00E+00		1	8.12E-19
1070	2.38E-18		1	1.89E-20
1071	1.45E-22		1	1.60E-18
1072	0.00E+00		1	3.27E-18
1073	5.91E-21		1	2.20E-19
1074	4.65E-21		1	3.23E-18
1075	3.12E-21		1	1.59E-18
1076	1.21E-23		1	3.08E-18
1077	3.07E-18		1	6.27E-21
1078	2.01E-19		1	2.01E-19
1079	2.38E-18		1	4.82E-18

1080	1.45E-22		1	1.74E-18
1081	0.00E+00		1	4.02E-18
1082	2.04E-19		1	1.61E-18
1083	3.24E-21		1	3.27E-18
1084	5.91E-21		1	1.62E-18
1085	0.00E+00		1	1.95E-18
1086	1.49E-19		1	2.11E-19
1087	3.29E-18		1	4.08E-18
1088	0.00E+00		1	2.17E-19
1089	3.10E-21		1	1.74E-18
1090	0.00E+00		1	6.34E-21
1091	7.74E-21		1	3.19E-18
1092	0.00E+00		1	3.50E-19
1093	1.82E-23		1	3.28E-18
1094	2.40E-18		1	3.29E-18
1095	3.18E-18		1	8.11E-19
1096	1.49E-19		1	3.29E-18
1097	0.00E+00		1	1.82E-18
1098	3.92E-19		1	1.01E-18
1099	0.00E+00		1	5.65E-18
1100	3.46E-21		1	2.58E-18
1101	3.63E-22		1	4.66E-18
1102	2.38E-18		1	3.27E-18
1103	1.45E-22		1	3.28E-18
1104	3.10E-21		1	1.60E-18
1105	0.00E+00		1	3.10E-20
1106	3.07E-18		1	2.38E-18
1107	2.38E-18		1	6.40E-18
1108	5.91E-21		1	2.40E-18
1109	5.91E-21		1	3.88E-18

1110	4.66E-18		1	3.39E-18
1111	0.00E+00		1	1.14E-18
1112	1.21E-23		1	3.29E-18
1113	4.65E-21		1	1.74E-18
1114	0.00E+00		1	7.04E-18
1115	1.62E-18		1	2.04E-19
1116	2.40E-18		1	3.42E-18
1117	1.86E-20		1	2.04E-19
1118	9.00E-21		1	3.23E-18
1119	3.08E-18		1	3.60E-19
1120	1.82E-23		1	3.26E-18
1121	2.38E-18		1	3.66E-19
1122	1.24E-20		1	3.72E-20
1123	7.98E-19		1	4.68E-18
1124	2.48E-20		1	4.67E-18
1125	2.11E-19		1	1.23E-20
1126	2.76E-18		1	2.17E-19
1127	3.10E-21		1	1.67E-19
1128	2.40E-18		1	6.21E-21
1129	3.12E-21		1	3.28E-18
1130	1.98E-19		1	1.98E-19
1131	1.72E-20		1	5.02E-18
1132	3.87E-19		1	1.79E-18
1133	2.02E-19		1	1.60E-18
1134	3.09E-20		1	1.60E-18
1135	0.00E+00		1	3.10E-18
1136	1.73E-18		1	9.91E-19
1137	0.00E+00		1	2.60E-18
1138	0.00E+00		1	7.96E-19
1139	8.18E-19		1	1.81E-18

1140	1.59E-18		1	3.11E-18
1141	3.97E-19		1	1.59E-18
1142	0.00E+00		1	4.07E-18
1143	1.61E-18		1	3.09E-18
1144	1.26E-20		1	3.43E-20
1145	4.86E-21		1	7.05E-18
1146	3.84E-19		1	3.18E-18
1147	1.88E-20		1	1.85E-20
1148	1.97E-18		1	1.75E-18
1149	1.59E-18		1	1.81E-18
1150	3.66E-18		1	7.05E-18
1151	3.75E-22		1	1.62E-18
1152	7.04E-18		1	3.53E-19
1153	1.60E-18		1	1.61E-18
1154	2.41E-18		1	1.60E-18
1155	2.23E-19		1	3.27E-18
1156	1.97E-18		1	1.75E-18
1157	1.25E-20		1	1.95E-18
1158	3.69E-20		1	5.01E-18
1159	1.59E-18		1	1.59E-18
1160	4.68E-18		1	4.88E-18
1161	1.59E-18		1	2.17E-19
1162	3.30E-18		1	4.81E-18
1163	1.70E-20		1	7.19E-18
1164	3.29E-21		1	1.78E-18
1165	1.98E-18		1	4.01E-18
1166	3.54E-20		1	1.17E-18
1167	1.63E-18		1	7.96E-19
1168	1.49E-19		1	3.66E-19
1169	3.97E-19		1	1.81E-18

1170	1.52E-19		1	1.00E-18
1171	1.61E-18		1	1.80E-18
1172	6.35E-21		1	4.86E-18
1173	5.91E-21		1	1.62E-18
1174	6.10E-21		1	2.45E-20
1175	4.06E-19		1	3.27E-18
1176	3.32E-18		1	1.94E-18
1177	1.73E-18		1	1.75E-18
1178	3.10E-21		1	3.28E-18
1179	5.91E-21		1	9.95E-19
1180	2.17E-20		1	2.02E-19
1181	1.26E-20		1	3.68E-19
1182	1.98E-19		1	4.70E-18
1183	2.38E-18		1	4.68E-18
1184	2.60E-18		1	3.27E-18
1185	5.92E-21		1	1.94E-18
1186	1.98E-19		1	1.00E-18
1187	1.52E-19		1	2.38E-19
1188	1.86E-20		1	5.48E-18
1189	3.89E-19		1	1.83E-20
1190	1.59E-18		1	4.67E-18
1191	1.56E-19		1	5.45E-18
1192	3.23E-18		1	1.64E-19
1193	3.87E-19		1	3.44E-18
1194	3.13E-21		1	3.90E-18
1195	1.78E-18		1	1.01E-18
1196	7.93E-19		1	1.64E-19
1197	1.57E-22		1	3.28E-18
1198	1.21E-23		1	1.60E-18
1199	3.29E-21		1	4.84E-18

1200	2.17E-19		1	1.80E-18
1201	3.08E-18		1	1.27E-20
1202	4.65E-21		1	1.98E-19
1203	4.18E-18		1	1.60E-18
1204	3.08E-18		1	3.09E-18
1205	1.55E-20		1	4.88E-18
1206	3.08E-18		1	1.61E-19
1207	3.57E-22		1	3.42E-18
1208	3.87E-19		1	4.70E-18
1209	3.63E-22		1	4.69E-18
1210	1.59E-18		1	1.75E-18
1211	1.78E-18		1	4.68E-18
1212	3.46E-21		1	4.68E-18
1213	1.98E-18		1	1.74E-18
1214	1.24E-20		1	9.20E-21
1215	0.00E+00		1	5.48E-18
1216	3.97E-18		1	4.67E-18
1217	5.45E-18		1	3.47E-21
1218	1.74E-18		1	9.60E-19
1219	1.59E-18		1	1.62E-18
1220	1.61E-18		1	2.76E-20
1221	1.59E-18		1	3.10E-18
1222	1.98E-19		1	9.61E-19
1223	2.22E-19		1	3.08E-18
1224	3.10E-18		1	1.74E-18
1225	4.65E-21		1	1.64E-19
1226	2.17E-18		1	1.89E-20
1227	1.59E-18		1	4.83E-18
1228	2.32E-20		1	4.69E-18
1229	2.76E-18		1	3.09E-18

1230	1.59E-18		1	1.55E-19
1231	1.98E-18		1	1.59E-18
1232	1.59E-18		1	2.79E-20
1233	1.26E-20		1	3.10E-18
1234	2.91E-20		1	1.49E-19
1235	3.63E-22		1	2.19E-20
1236	9.15E-21		1	3.88E-18
1237	2.17E-18		1	1.67E-19
1238	3.10E-20		1	4.67E-18
1239	2.34E-20		1	5.46E-18
1240	1.98E-19		1	4.01E-18
1241	1.24E-20		1	1.77E-18
1242	1.55E-19		1	4.83E-18
1243	4.00E-19		1	4.81E-18
1244	3.87E-18		1	4.01E-18
1245	3.45E-21		1	4.70E-18
1246	1.59E-18		1	3.25E-18
1247	2.01E-19		1	4.03E-18
1248	1.60E-18		1	3.26E-18
1249	2.06E-22		1	8.24E-19
1250	2.78E-18		1	5.48E-18
1251	1.64E-19		1	1.67E-19
1252	3.63E-22		1	1.83E-19
1253	1.49E-19		1	1.67E-19
1254	2.05E-19		1	3.09E-18
1255	3.23E-18		1	4.67E-18
1256	2.97E-20		1	3.11E-20
1257	3.89E-19		1	4.82E-18
1258	1.99E-18		1	3.23E-18
1259	1.95E-18		1	8.15E-19

1260	7.04E-18		1	2.47E-20
1261	1.95E-18		1	1.60E-18
1262	1.59E-18		1	3.25E-18
1263	3.10E-21		1	2.56E-18
1264	1.24E-20		1	1.49E-19
1265	5.91E-21		1	1.74E-18
1266	4.00E-20		1	3.25E-18
1267	1.79E-18		1	3.89E-18
1268	3.62E-19		1	4.68E-18
1269	3.12E-21		1	3.87E-18
1270	5.36E-19		1	1.76E-19
1271	1.55E-19		1	5.62E-18
1272	1.61E-18		1	1.59E-18
1273	2.01E-19		1	8.11E-19
1274	6.46E-18		1	1.73E-19
1275	1.59E-18		1	4.68E-18
1276	1.59E-18		1	1.55E-19
1277	2.17E-19		1	7.99E-19
1278	1.61E-18		1	4.68E-18
1279	2.11E-19		1	3.22E-18
1280	1.59E-18		1	1.74E-18
1281	1.59E-18		1	4.82E-18
1282	1.61E-18		1	4.81E-18
1283	2.18E-18		1	4.03E-18
1284	1.97E-18		1	5.62E-18
1285	1.59E-18		1	4.67E-18
1286	5.33E-19		1	4.67E-18
1287	3.53E-19		1	9.45E-19
1288	1.60E-18		1	1.74E-18
1289	2.53E-18		1	1.70E-19

1290	1.59E-18		1	1.70E-19
1291	1.55E-20		1	3.09E-18
1292	9.02E-21		1	3.09E-18
1293	1.24E-20		1	3.87E-18
1294	2.20E-20		1	9.48E-19
1295	3.19E-18		1	4.82E-18
1296	3.18E-18		1	9.60E-19
1297	3.07E-18		1	4.02E-18
1298	1.99E-18		1	4.81E-18
1299	1.59E-18		1	3.09E-18
1300	8.06E-19		1	5.46E-18
1301	1.59E-18		1	3.24E-18
1302	0.00E+00		1	8.15E-19
1303	1.60E-18		1	5.46E-18
1304	3.07E-18		1	1.60E-18
1305	9.56E-21		1	1.76E-18
1306	5.26E-18		1	1.75E-18
1307	4.68E-18		1	1.75E-18
1308	1.97E-18		1	2.15E-20
1309	1.60E-18		1	2.16E-20
1310	2.20E-19		1	9.54E-19
1311	3.45E-21		1	2.53E-18
1312	3.46E-21		1	2.53E-18
1313	1.60E-18		1	2.39E-18
1314	0.00E+00		1	9.54E-19
1315	1.74E-18		1	2.38E-18
1316	9.45E-19			
1317	1.59E-18			
1318	3.47E-19			
1319	1.59E-18			

1320	1.52E-19			
1321	1.45E-22			
1322	1.61E-18			
1323	3.12E-21			
1324	1.59E-18			
1325	1.59E-18			
1326	3.78E-19			
1327	1.78E-18			
1328	2.17E-19			
1329	1.75E-18			
1330	3.10E-21			
1331	6.25E-18			
1332	1.60E-18			
1333	3.07E-18			
1334	2.20E-20			
1335	1.95E-18			
1336	1.60E-18			
1337	1.59E-20			
1338	1.26E-20			
1339	2.11E-19			
1340	2.17E-19			
1341	1.59E-18			
1342	7.06E-18			
1343	1.60E-18			
1344	1.76E-18			
1345	1.78E-18			
1346	1.99E-19			
1347	1.74E-18			
1348	1.26E-20			
1349	3.22E-18			

1350	1.98E-19			
1351	1.95E-18			
1352	4.66E-18			
1353	3.10E-21			
1354	1.60E-18			
1355	1.45E-22			
1356	1.78E-18			
1357	1.79E-18			
1358	3.19E-18			
1359	3.09E-18			
1360	1.59E-18			
1361	1.61E-18			
1362	4.06E-18			
1363	6.25E-18			
1364	4.66E-18			
1365	1.59E-18			
1366	1.60E-18			
1367	1.94E-18			
1368	1.60E-18			
1369	4.32E-20			
1370	4.68E-18			
1371	7.93E-19			
1372	3.07E-18			
1373	3.27E-18			
1374	6.60E-18			
1375	1.61E-18			
1376	7.96E-19			
1377	1.82E-18			
1378	1.63E-18			
1379	1.93E-18			

1380	1.63E-22			
1381	3.10E-18			
1382	2.73E-18			
1383	7.19E-18			
1384	1.94E-22			
1385	1.24E-20			
1386	1.49E-19			
1387	1.60E-18			
1388	1.45E-22			
1389	8.02E-19			
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1393	1.59E-18			
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1395	3.27E-18			
1396	1.79E-18			
1397	1.59E-18			
1398	1.62E-18			
1399	2.02E-19			
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1404	1.74E-18			
1405	3.08E-18			
1406	6.44E-18			
1407	0.00E+00			
1408	2.20E-19			
1409	3.27E-18			

1410	3.47E-19			
1411	1.75E-18			
1412	1.67E-19			
1413	3.11E-21			
1414	1.61E-18			
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1416	1.59E-18			
1417	1.59E-18			
1418	1.21E-23			
1419	3.09E-18			
1420	1.62E-18			
1421	2.01E-19			
1422	3.10E-18			
1423	2.01E-19			
1424	3.17E-18			
1425	1.82E-18			
1426	9.64E-19			
1427	2.17E-19			
1428	3.24E-18			
1429	1.73E-18			
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1434	1.14E-18			
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1436	3.63E-19			
1437	2.14E-19			
1438	3.78E-19			
1439	2.14E-19			

1440	3.08E-18			
1441	6.26E-21			
1442	1.61E-18			
1443	3.08E-18			
1444	2.14E-19			
1445	1.78E-18			
1446	1.59E-18			
1447	4.68E-18			
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1455	3.22E-18			
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1462	3.09E-18			
1463	2.14E-20			
1464	1.82E-18			
1465	1.59E-18			
1466	1.45E-22			
1467	1.74E-18			
1468	2.17E-19			
1469	1.59E-18			

1470	8.09E-19			
1471	5.49E-18			
1472	8.18E-19			
1473	2.29E-19			
1474	2.45E-20			
1475	7.93E-19			
1476	1.74E-18			
1477	2.45E-20			
1478	1.71E-19			
1479	6.12E-21			
1480	1.57E-20			
1481	1.62E-18			
1482	9.17E-21			
1483	3.08E-18			
1484	1.56E-20			
1485	3.24E-21			
1486	3.22E-18			
1487	3.23E-18			
1488	1.60E-18			
1489	0.00E+00			
1490	1.49E-19			
1491	1.60E-18			
1492	3.09E-18			
1493	1.73E-19			
1494	4.81E-18			
1495	1.62E-18			
1496	1.83E-20			
1497	8.09E-19			
1498	1.59E-18			
1499	3.31E-21			

1500	5.47E-18			
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1502	1.70E-19			
1503	3.10E-18			
1504	3.24E-18			
1505	3.10E-21			
1506	2.46E-20			
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1510	3.07E-18			
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1524	7.93E-19			
1525	1.21E-23			
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1527	3.23E-18			
1528	3.08E-18			
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1530	4.69E-18			
1531	2.53E-18			
1532	1.60E-18			
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1535	3.22E-18			
1536	3.10E-18			
1537	1.60E-18			
1538	1.52E-19			
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1541	1.87E-20			
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1544	3.12E-21			
1545	4.66E-18			
1546	3.08E-18			
1547	1.61E-19			
1548	9.17E-21			
1549	3.22E-18			
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1553	1.75E-22			
1554	1.84E-20			
1555	4.81E-18			
1556	3.09E-18			
1557	4.04E-18			
1558	8.24E-19			
1559	9.51E-19			

1560	2.55E-18			
1561	1.77E-18			
1562	4.04E-18			
1563	3.09E-18			
1564	1.86E-20			
1565	1.62E-18			
1566	2.17E-20			
1567	2.78E-20			
1568	4.67E-18			
1569	2.38E-18			
1570	3.07E-18			
1571	1.60E-18			
1572	9.73E-19			
1573	1.83E-19			
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1576	3.09E-18			
1577	7.99E-19			
1578	9.00E-21			
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1581	1.49E-19			
1582	1.75E-18			
1583	4.66E-18			
1584	7.93E-19			
1585	1.59E-18			
1586	9.03E-21			
1587	3.03E-23			
1588	4.66E-18			
1589	3.08E-18			

1590	4.66E-18			
1591	3.23E-18			
1592	4.68E-18			
1593	1.74E-18			
1594	1.21E-23			
1595	4.03E-18			
1596	1.49E-19			
1597	1.83E-20			
1598	1.45E-22			
1599	3.08E-18			
1600	0.00E+00			
1601	1.61E-18			
1602	3.87E-18			
1603	4.83E-18			
1604	1.61E-19			
1605	3.09E-18			
1606	3.22E-18			
1607	3.08E-18			
1608	1.76E-18			
1609	3.08E-18			
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1611	1.60E-18			
1612	1.75E-18			
1613	1.84E-20			
1614	1.21E-23			
1615	1.45E-22			
1616	1.60E-18			
1617	1.60E-18			
1618	1.84E-20			
1619	7.99E-19			

1620	3.09E-18			
1621	0.00E+00			
1622	1.74E-18			
1623	4.67E-18			
1624	4.82E-18			
1625	3.08E-18			
1626	4.66E-18			
1627	1.61E-19			
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1629	3.22E-18			
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1643	1.49E-19			
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1645	1.55E-19			
1646	1.60E-18			
1647	9.51E-19			
1648	6.05E-21			
1649	9.42E-19			

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1651	1.21E-23			
1652	2.14E-20			
1653	1.74E-18			
1654	1.49E-19			
1655	1.60E-18			
1656	1.67E-19			
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1661	6.05E-21			
1662	0.00E+00			
1663	1.58E-19			
1664	1.59E-18			
1665	1.83E-20			
1666	1.49E-19			
1667	9.48E-19			
1668	7.96E-19			
1669	8.02E-19			
1670	1.25E-20			
1671	1.61E-19			
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1676	1.55E-19			
1677	1.59E-18			
1678	2.38E-18			
1679	1.25E-20			

1680	1.60E-18			
1681	1.49E-19			
1682	3.10E-21			
1683	2.39E-18			
1684	3.10E-21			
1685	1.75E-18			
1686	1.64E-19			
1687	1.24E-20			
1688	2.53E-18			
1689	1.74E-18			
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1694	1.59E-18			
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1696	1.56E-20			
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1698	1.45E-22			
1699	2.53E-18			
1700	1.75E-18			
1701	2.39E-18			
1702	3.11E-21			
1703	0.00E+00			
1704	1.21E-23			
1705	1.75E-18			
1706	1.52E-19			
1707	9.54E-19			
1708	1.64E-19			
1709	3.24E-21			

1710	3.11E-21			
1711	1.24E-20			
1712	9.45E-19			
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1725	3.10E-21			
1726	1.59E-18			
1727	1.59E-18			
1728	2.38E-18			
1729	1.21E-23			
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1738	1.74E-18			
1739	1.21E-23			

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1752	1.73E-18			
1753	1.59E-18			
1754	2.39E-18			
1755	1.75E-18			
1756	9.45E-19			
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1764	1.49E-19			
1765	1.60E-18			
1766	2.38E-18			
1767	1.52E-19			
1768	1.59E-18			
1769	1.61E-19			

1770	2.54E-18			
1771	1.45E-22			
1772	8.05E-19			
1773	7.96E-19			
1774	1.49E-19			
1775	1.59E-18			
1776	1.59E-18			
1777	1.45E-22			
1778	0.00E+00			
1779	1.59E-18			
1780	1.59E-18			
1781	1.25E-20			
1782	1.75E-18			
1783	3.24E-21			
1784	1.64E-19			
1785	1.49E-19			
1786	9.45E-19			
1787	1.49E-19			
1788	1.21E-23			
1789	1.60E-18			
1790	1.21E-23			
1791	7.96E-19			
1792	1.75E-18			
1793	1.74E-18			
1794	1.49E-19			
1795	1.60E-18			
1796	1.25E-20			
1797	1.60E-18			
1798	1.74E-18			
1799	1.49E-19			

1800	1.60E-18			
1801	1.52E-19			
1802	1.75E-18			
1803	1.25E-20			
1804	1.49E-19			
1805	1.25E-20			
1806	1.57E-22			
1807	1.74E-18			
1808	2.53E-18			
1809	1.61E-19			
1810	1.73E-18			
1811	1.73E-18			
1812	1.64E-19			
1813	1.24E-20			
1814	1.59E-18			
1815	1.25E-20			
1816	9.54E-19			
1817	1.25E-20			
1818	1.59E-18			
1819	1.45E-22			
1820	3.24E-21			
1821	1.25E-20			
1822	1.57E-22			
1823	1.61E-19			
1824	1.56E-20			
1825	3.11E-21			
1826	9.45E-19			
1827	1.56E-20			
1828	1.60E-18			
1829	0.00E+00			

1830	1.25E-20			
1831	1.49E-19			
1832	2.38E-18			
1833	1.21E-23			
1834	2.54E-18			
1835	1.64E-19			
1836	1.74E-18			
1837	1.52E-19			
1838	1.52E-19			
1839	3.24E-21			
1840	2.53E-18			
1841	1.57E-22			
1842	7.96E-19			
1843	0.00E+00			
1844	1.49E-19			
1845	3.11E-21			
1846	0.00E+00			
1847	1.49E-19			
1848	1.21E-23			
1849	1.57E-22			
1850	1.52E-19			
1851	1.21E-23			
1852	1.52E-19			
1853	1.57E-22			
1854	1.49E-19			
1855	7.93E-19			
1856	1.45E-22			
1857	1.49E-19			
1858	3.11E-21			
1859	9.42E-19			

1860	9.42E-19			
1861	1.52E-19			
1862	1.57E-22			
1863	3.11E-21			
1864	1.52E-19			
1865	1.52E-19			
1866	0.00E+00			
1867	3.26E-21			
1868	3.10E-21			
1869	1.45E-22			
1870	7.96E-19			
1871	1.21E-23			
1872	9.45E-19			
1873	3.26E-21			
1874	9.42E-19			
1875	1.45E-22			
1876	1.57E-22			
1877	1.49E-19			
1878	9.42E-19			
1879	1.49E-19			
1880	9.42E-19			
1881	1.45E-22			
1882	1.52E-19			
1883	7.96E-19			
1884	7.93E-19			
1885	3.10E-21			
1886	7.96E-19			
1887	1.45E-22			
1888	1.45E-22			
1889	1.45E-22			

1890	0.00E+00			
1891	0.00E+00			
1892	0.00E+00			
1893	0.00E+00			
1894	0.00E+00			
1895	9.42E-19			
1896	1.45E-22			
1897	9.42E-19			
1898	1.49E-19			
1899	7.93E-19			
1900	9.42E-19			
1901	0.00E+00			
1902	1.45E-22			
1903	1.49E-19			
1904	0.00E+00			
1905	1.45E-22			
1906	1.49E-19			
1907	0.00E+00			
1908	1.49E-19			
1909	1.45E-22			
1910	1.49E-19			
1911	1.49E-19			
1912	1.45E-22			
1913	9.42E-19			
1914	1.49E-19			
1915	1.49E-19			
1916	0.00E+00			
1917	9.42E-19			
1918	0.00E+00			
1919	1.45E-22			

1920	9.42E-19			
1921	0.00E+00			
1922	1.49E-19			
1923	1.49E-19			
1924	0.00E+00			
1925	1.49E-19			
1926	1.45E-22			
1927	1.45E-22			
1928	1.49E-19			
1929	1.45E-22			
1930	0.00E+00			
1931	1.49E-19			
1932	9.42E-19			
1933	1.49E-19			
1934	1.49E-19			
1935	1.45E-22			
1936	7.93E-19			
1937	1.45E-22			
1938	1.49E-19			
1939	7.93E-19			
1940	1.49E-19			
1941	1.49E-19			
1942	0.00E+00			
1943	1.45E-22			
1944	1.45E-22			
1945	1.49E-19			
1946	7.93E-19			
1947	1.49E-19			
1948	0.00E+00			
1949	1.49E-19			

1950	7.93E-19			
1951	1.45E-22			
1952	0.00E+00			
1953	0.00E+00			
1954	0.00E+00			
1955	1.45E-22			
1956	7.93E-19			
1957	1.49E-19			
1958	1.45E-22			
1959	0.00E+00			
1960	0.00E+00			
1961	1.45E-22			
1962	1.45E-22			
1963	1.49E-19			
1964	1.45E-22			
1965	7.93E-19			
1966	1.45E-22			
1967	1.49E-19			
1968	0.00E+00			
1969	0.00E+00			
1970	7.93E-19			
1971	0.00E+00			
1972	1.45E-22			
1973	0.00E+00			
1974	0.00E+00			
1975	0.00E+00			
1976	1.45E-22			
1977	0.00E+00			
1978	1.45E-22			
1979	1.45E-22			

1980	1.45E-22			
1981	1.45E-22			
1982	0.00E+00			
1983	0.00E+00			
1984	0.00E+00			
1985	1.45E-22			
1986	1.45E-22			
1987	0.00E+00			
1988	1.45E-22			
1989	1.45E-22			
1990	7.93E-19			
1991	1.45E-22			
1992	0.00E+00			
1993	7.93E-19			
1994	7.93E-19			
1995	0.00E+00			
1996	0.00E+00			
1997	7.93E-19			
1998	7.93E-19			
1999	1.45E-22			
2000	7.93E-19			
2001	0.00E+00			
2002	1.45E-22			
2003	0.00E+00			
2004	1.45E-22			
2005	7.93E-19			
2006	7.93E-19			
2007	7.93E-19			
2008	1.45E-22			
2009	0.00E+00			

2010	0.00E+00			
2011	7.93E-19			
2012	7.93E-19			
2013	7.93E-19			
2014	0.00E+00			
2015	0.00E+00			
2016	0.00E+00			
2017	0.00E+00			
2018	7.93E-19			
2019	0.00E+00			
2020	0.00E+00			
2021	0.00E+00			
2022	0.00E+00			
2023	0.00E+00			
2024	7.93E-19			
2025	7.93E-19			
2026	0.00E+00			
2027	7.93E-19			
2028	0.00E+00			
2029	0.00E+00			
2030	0.00E+00			
2031	7.93E-19			
2032	0.00E+00			
2033	0.00E+00			
2034	0.00E+00			
2035	0.00E+00			
2036	0.00E+00			
2037	7.93E-19			
2038	0.00E+00			
2039	7.93E-19			

2040	0.00E+00			
2041	0.00E+00			
2042	0.00E+00			
2043	0.00E+00			
2044	0.00E+00			
2045	0.00E+00			
2046	7.93E-19			
2047	0.00E+00			
2048	0.00E+00			
2049	0.00E+00			
2050	0.00E+00			
2051	0.00E+00			
2052	0.00E+00			
2053	0.00E+00			
2054	0.00E+00			
2055	0.00E+00			
2056	0.00E+00			
2057	0.00E+00			
2058	0.00E+00			
2059	0.00E+00			
2060	0.00E+00			
2061	0.00E+00			
2062	0.00E+00			
2063	0.00E+00			
2064	0.00E+00			
2065	0.00E+00			
2066	0.00E+00			
2067	0.00E+00			
2068	0.00E+00			
2069	0.00E+00			

2070	0.00E+00			
2071	3.63E-22			
2072	0.00E+00			
2073	0.00E+00			
2074	0.00E+00			
2075	0.00E+00			
2076	0.00E+00			
2077	4.96E-20			
2078	0.00E+00			
2079	0.00E+00			
2080	0.00E+00			
2081	3.63E-22			
2082	1.59E-18			
2083	0.00E+00			
2084	0.00E+00			
2085	0.00E+00			
2086	0.00E+00			
2087	1.98E-19			
2088	0.00E+00			
2089	0.00E+00			
2090	4.65E-21			
2091	4.65E-21			
2092	5.91E-21			
2093	0.00E+00			
2094	0.00E+00			
2095	0.00E+00			
2096	0.00E+00			
2097	0.00E+00			
2098	0.00E+00			
2099	0.00E+00			

2100	0.00E+00			
2101	0.00E+00			
2102	1.45E-22			
2103	0.00E+00			
2104	1.21E-23			
2105	0.00E+00			
2106	1.94E-22			
2107	1.94E-22			
2108	4.65E-21			
2109	3.14E-21			
2110	3.84E-19			
2111	1.82E-23			
2112	1.98E-19			
2113	2.39E-22			
2114	2.48E-20			
2115	0.00E+00			
2116	0.00E+00			
2117	3.10E-21			
2118	1.24E-20			
2119	1.59E-18			
2120	1.94E-22			
2121	1.21E-23			
2122	1.59E-18			
2123	1.98E-19			
2124	0.00E+00			
2125	0.00E+00			
2126	0.00E+00			
2127	0.00E+00			
2128	1.94E-22			
2129	1.21E-23			

2130	0.00E+00			
2131	2.38E-18			
2132	5.91E-21			
2133	0.00E+00			
2134	0.00E+00			
2135	1.21E-23			
2136	3.84E-19			
2137	0.00E+00			
2138	1.86E-20			
2139	2.38E-18			
2140	2.53E-18			
2141	1.45E-22			
2142	1.73E-18			
2143	0.00E+00			
2144	2.17E-19			
2145	5.91E-21			
2146	1.52E-19			
2147	4.65E-21			
2148	4.85E-21			
2149	3.12E-21			
2150	0.00E+00			
2151	1.21E-23			
2152	0.00E+00			
2153	3.07E-18			
2154	2.39E-18			
2155	2.01E-19			
2156	1.94E-22			
2157	2.38E-18			
2158	3.47E-19			
2159	1.45E-22			

2160	0.00E+00			
2161	0.00E+00			
2162	1.59E-18			
2163	2.04E-19			
2164	1.60E-18			
2165	3.24E-21			
2166	1.73E-18			
2167	5.91E-21			
2168	1.94E-22			
2169	0.00E+00			
2170	3.63E-23			
2171	1.49E-19			
2172	0.00E+00			
2173	3.29E-18			
2174	1.25E-20			
2175	0.00E+00			
2176	1.59E-18			
2177	3.10E-21			
2178	3.10E-21			
2179	0.00E+00			
2180	2.42E-23			
2181	7.74E-21			
2182	0.00E+00			
2183	0.00E+00			
2184	2.48E-20			
2185	1.82E-23			
2186	1.99E-19			
2187	2.40E-18			
2188	2.38E-18			
2189	3.18E-18			

2190	1.94E-22			
2191	1.49E-19			
2192	2.48E-20			
2193	0.00E+00			
2194	1.45E-22			
2195	3.92E-19			
2196	2.58E-18			
2197	0.00E+00			
2198	1.59E-18			
2199	3.46E-21			
2200	0.00E+00			
2201	3.63E-22			
2202	0.00E+00			
2203	2.38E-18			
2204	1.94E-22			
2205	1.45E-22			
2206	3.11E-21			
2207	3.10E-21			
2208	1.94E-22			
2209	0.00E+00			
2210	1.98E-19			
2211	3.07E-18			
2212	4.84E-21			
2213	2.38E-18			
2214	0.00E+00			
2215	5.91E-21			
2216	2.58E-18			
2217	5.91E-21			
2218	0.00E+00			
2219	4.66E-18			

2220	3.10E-21			
2221	0.00E+00			
2222	0.00E+00			
2223	1.21E-23			
2224	1.60E-18			
2225	4.65E-21			
2226	1.59E-18			
2227	0.00E+00			
2228	0.00E+00			
2229	1.62E-18			
2230	0.00E+00			
2231	2.40E-18			
2232	3.90E-19			
2233	1.86E-20			
2234	3.28E-18			
2235	9.00E-21			
2236	2.42E-23			
2237	3.08E-18			
2238	8.05E-19			
2239	1.82E-23			
2240	2.17E-20			
2241	2.38E-18			
2242	2.40E-18			
2243	1.24E-20			
2244	1.98E-19			
2245	7.98E-19			
2246	3.31E-21			
2247	2.48E-20			
2248	2.12E-22			
2249	2.11E-19			

2250	3.97E-19			
2251	2.76E-18			
2252	3.10E-21			
2253	3.10E-21			
2254	0.00E+00			
2255	2.40E-18			
2256	4.65E-21			
2257	3.12E-21			
2258	2.04E-19			
2259	1.98E-19			
2260	1.21E-23			
2261	1.72E-20			
2262	4.88E-21			
2263	3.87E-19			
2264	3.30E-18			
2265	2.02E-19			
2266	1.59E-18			
2267	3.09E-20			
2268	2.06E-22			
2269	0.00E+00			
2270	2.01E-19			
2271	1.73E-18			
2272	5.24E-20			
2273	0.00E+00			
2274	3.30E-21			
2275	0.00E+00			
2276	0.00E+00			
2277	8.18E-19			
2278	1.73E-18			
2279	1.59E-18			

2280	1.98E-19			
2281	3.97E-19			
2282	1.59E-18			
2283	0.00E+00			
2284	3.10E-21			
2285	1.61E-18			
2286	3.87E-22			
2287	1.26E-20			
2288	6.12E-21			
2289	4.86E-21			
2290	0.00E+00			
2291	3.84E-19			
2292	2.17E-19			
2293	1.88E-20			
2294	1.49E-19			
2295	1.97E-18			
2296	1.59E-18			
2297	1.59E-18			
2298	7.04E-18			
2299	3.66E-18			
2300	3.18E-18			
2301	3.75E-22			
2302	2.03E-19			
2303	7.04E-18			
2304	1.59E-18			
2305	1.60E-18			
2306	3.10E-21			
2307	2.41E-18			
2308	3.10E-18			
2309	2.23E-19			

2310	0.00E+00			
2311	1.97E-18			
2312	1.45E-22			
2313	1.25E-20			
2314	1.55E-19			
2315	3.69E-20			
2316	1.59E-18			
2317	1.59E-18			
2318	1.61E-18			
2319	4.68E-18			
2320	2.78E-18			
2321	1.59E-18			
2322	1.45E-22			
2323	3.30E-18			
2324	1.61E-18			
2325	1.70E-20			
2326	2.38E-18			
2327	3.29E-21			
2328	1.71E-19			
2329	1.98E-18			
2330	6.22E-21			
2331	3.54E-20			
2332	3.08E-18			
2333	1.63E-18			
2334	0.00E+00			
2335	1.49E-19			
2336	0.00E+00			
2337	3.97E-19			
2338	2.58E-18			
2339	1.52E-19			

2340	6.09E-21			
2341	1.61E-18			
2342	2.42E-23			
2343	6.35E-21			
2344	1.59E-18			
2345	5.91E-21			
2346	3.97E-18			
2347	6.10E-21			
2348	3.89E-19			
2349	4.06E-19			
2350	3.48E-21			
2351	3.32E-18			
2352	2.55E-18			
2353	1.73E-18			
2354	3.07E-18			
2355	3.10E-21			
2356	1.63E-18			
2357	5.91E-21			
2358	1.61E-18			
2359	2.17E-20			
2360	3.87E-19			
2361	1.26E-20			
2362	1.59E-18			
2363	1.98E-19			
2364	5.05E-18			
2365	2.38E-18			
2366	7.96E-19			
2367	2.60E-18			
2368	1.59E-18			
2369	5.92E-21			

2370	4.81E-21			
2371	1.98E-19			
2372	3.87E-19			
2373	1.52E-19			
2374	1.53E-19			
2375	1.86E-20			
2376	1.59E-18			
2377	3.89E-19			
2378	5.91E-21			
2379	1.59E-18			
2380	1.60E-18			
2381	1.56E-19			
2382	1.45E-22			
2383	3.23E-18			
2384	3.90E-19			
2385	3.87E-19			
2386	1.78E-18			
2387	3.13E-21			
2388	1.61E-18			
2389	1.78E-18			
2390	3.08E-18			
2391	7.93E-19			
2392	3.97E-19			
2393	1.57E-22			
2394	1.59E-18			
2395	1.21E-23			
2396	1.80E-19			
2397	3.29E-21			
2398	1.60E-18			
2399	2.17E-19			

2400	1.94E-22			
2401	3.08E-18			
2402	1.55E-19			
2403	4.65E-21			
2404	1.60E-18			
2405	4.18E-18			
2406	1.82E-23			
2407	3.08E-18			
2408	2.53E-18			
2409	1.55E-20			
2410	3.07E-20			
2411	3.08E-18			
2412	9.95E-19			
2413	3.57E-22			
2414	1.42E-20			
2415	3.87E-19			
2416	2.38E-18			
2417	3.63E-22			
2418	7.96E-19			
2419	1.59E-18			
2420	1.68E-19			
2421	1.78E-18			
2422	2.39E-18			
2423	3.46E-21			
2424	3.84E-19			
2425	1.98E-18			
2426	4.67E-18			
2427	1.24E-20			
2428	1.99E-18			
2429	0.00E+00			

2430	3.09E-18			
2431	3.97E-18			
2432	1.52E-19			
2433	5.45E-18			
2434	3.08E-18			
2435	1.74E-18			
2436	3.98E-18			
2437	1.59E-18			
2438	1.59E-18			
2439	1.61E-18			
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2453	1.59E-18			
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2456	1.21E-23			
2457	2.76E-18			
2458	4.03E-19			
2459	1.59E-18			

2460	1.70E-19			
2461	1.98E-18			
2462	1.59E-18			
2463	1.59E-18			
2464	1.61E-19			
2465	1.26E-20			
2466	1.24E-20			
2467	2.91E-20			
2468	1.55E-19			
2469	3.63E-22			
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2476	1.59E-18			
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2481	1.24E-20			
2482	5.92E-21			
2483	1.55E-19			
2484	3.07E-18			
2485	4.00E-19			
2486	1.97E-18			
2487	3.87E-18			
2488	3.07E-18			
2489	3.45E-21			

2490	1.74E-18			
2491	1.59E-18			
2492	3.23E-18			
2493	2.01E-19			
2494	1.80E-18			
2495	1.60E-18			
2496	3.53E-19			
2497	2.06E-22			
2498	3.90E-19			
2499	2.78E-18			
2500	0.00E+00			
2501	1.64E-19			
2502	1.59E-18			
2503	3.63E-22			
2504	1.98E-19			
2505	1.49E-19			
2506	9.96E-19			
2507	2.05E-19			
2508	2.41E-18			
2509	3.23E-18			
2510	4.66E-18			
2511	2.97E-20			
2512	1.52E-19			
2513	3.89E-19			
2514	7.95E-21			
2515	1.99E-18			
2516	1.61E-19			
2517	1.95E-18			
2518	3.09E-18			
2519	7.04E-18			

2520	3.23E-18			
2521	1.95E-18			
2522	1.59E-18			
2523	1.59E-18			
2524	1.86E-20			
2525	3.10E-21			
2526	2.11E-19			
2527	1.24E-20			
2528	1.55E-20			
2529	5.91E-21			
2530	4.67E-18			
2531	4.00E-20			
2532	3.47E-19			
2533	1.79E-18			
2534	2.06E-22			
2535	3.62E-19			
2536	1.60E-18			
2537	3.12E-21			
2538	1.49E-19			
2539	5.36E-19			
2540	3.09E-18			
2541	1.55E-19			
2542	3.07E-18			
2543	1.61E-18			
2544	1.75E-18			
2545	2.01E-19			
2546	1.60E-18			
2547	6.46E-18			
2548	3.17E-18			
2549	1.59E-18			

2550	1.24E-20			
2551	1.59E-18			
2552	3.47E-19			
2553	2.17E-19			
2554	1.60E-18			
2555	1.61E-18			
2556	1.73E-18			
2557	2.11E-19			
2558	2.79E-18			
2559	1.59E-18			
2560	1.93E-18			
2561	1.59E-18			
2562	1.80E-18			
2563	1.61E-18			
2564	3.17E-18			
2565	2.18E-18			
2566	1.60E-18			
2567	1.97E-18			
2568	1.75E-18			
2569	1.59E-18			
2570	9.60E-19			
2571	5.33E-19			
2572	1.68E-19			
2573	3.53E-19			
2574	1.62E-18			
2575	1.60E-18			
2576	6.26E-18			
2577	2.53E-18			
2578	7.93E-19			
2579	1.59E-18			

2580	3.07E-18			
2581	1.55E-20			
2582	0.00E+00			
2583	9.02E-21			
2584	1.59E-18			
2585	1.24E-20			
2586	1.61E-18			
2587	2.20E-20			
2588	8.09E-19			
2589	3.19E-18			
2590	3.47E-18			
2591	3.18E-18			
2592	4.67E-18			
2593	3.07E-18			
2594	3.29E-21			
2595	1.99E-18			
2596	4.06E-19			
2597	1.59E-18			
2598	3.63E-22			
2599	8.06E-19			
2600	3.59E-19			
2601	1.59E-18			
2602	2.12E-18			
2603	0.00E+00			
2604	2.14E-18			
2605	1.60E-18			
2606	5.24E-18			
2607	3.07E-18			
2608	3.08E-18			
2609	9.56E-21			

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2612	3.84E-19			
2613	4.68E-18			
2614	3.37E-18			
2615	1.97E-18			
2616	3.11E-21			
2617	1.60E-18			
2618	1.93E-18			
2619	2.20E-19			
2620	4.00E-19			
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2622	1.63E-22			
2623	3.46E-21			
2624	1.74E-18			
2625	1.60E-18			
2626	1.70E-19			
2627	0.00E+00			
2628	1.25E-20			
2629	1.74E-18			
2630	1.49E-19			
2631	9.45E-19			
2632	3.10E-18			
2633	1.59E-18			
2634	2.06E-22			
2635	3.47E-19			
2636	3.33E-18			
2637	1.59E-18			
2638	1.60E-18			
2639	1.52E-19			

2640	1.99E-19			
2641	1.45E-22			
2642	4.66E-18			
2643	1.61E-18			
2644	6.25E-18			
2645	3.12E-21			
2646	2.17E-20			
2647	1.59E-18			
2648	1.60E-18			
2649	1.59E-18			
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2657	1.75E-18			
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2663	1.60E-18			
2664	1.59E-18			
2665	3.07E-18			
2666	1.59E-18			
2667	2.20E-20			
2668	1.59E-18			
2669	1.95E-18			

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2671	1.60E-18			
2672	2.35E-19			
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2674	8.12E-19			
2675	1.26E-20			
2676	1.94E-22			
2677	2.11E-19			
2678	0.00E+00			
2679	2.17E-19			
2680	3.63E-19			
2681	1.59E-18			
2682	6.25E-18			
2683	7.06E-18			
2684	1.63E-18			
2685	1.60E-18			
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2696	1.62E-18			
2697	3.22E-18			
2698	7.39E-18			
2699	1.98E-19			

2700	1.81E-18			
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2702	1.59E-18			
2703	4.66E-18			
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2724	3.39E-22			
2725	6.25E-18			
2726	6.39E-21			
2727	4.66E-18			
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2732	7.19E-18			
2733	1.94E-18			
2734	9.97E-19			
2735	1.60E-18			
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2742	3.42E-18			
2743	3.07E-18			
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2745	3.27E-18			
2746	1.95E-18			
2747	6.60E-18			
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2751	7.96E-19			
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2754	3.66E-19			
2755	1.63E-18			
2756	9.48E-19			
2757	1.93E-18			
2758	3.20E-18			
2759	1.63E-22			

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2763	2.73E-18			
2764	1.59E-18			
2765	7.19E-18			
2766	2.17E-20			
2767	1.94E-22			
2768	2.20E-19			
2769	1.24E-20			
2770	6.39E-21			
2771	1.49E-19			
2772	8.24E-19			
2773	1.60E-18			
2774	1.60E-18			
2775	1.45E-22			
2776	3.18E-18			
2777	8.02E-19			
2778	1.67E-19			
2779	1.74E-18			
2780	2.53E-18			
2781	3.09E-18			
2782	3.41E-20			
2783	2.11E-19			
2784	5.91E-21			
2785	1.59E-18			
2786	3.08E-18			
2787	3.50E-19			
2788	3.24E-21			
2789	3.27E-18			

2790	1.59E-18			
2791	1.79E-18			
2792	2.58E-18			
2793	1.59E-18			
2794	6.25E-18			
2795	1.62E-18			
2796	3.24E-21			
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2798	1.74E-18			
2799	3.09E-18			
2800	3.89E-18			
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2803	1.74E-18			
2804	3.08E-18			
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2806	1.61E-19			
2807	1.74E-18			
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2809	3.08E-18			
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2811	6.44E-18			
2812	1.61E-18			
2813	0.00E+00			
2814	4.66E-18			
2815	2.20E-19			
2816	6.25E-18			
2817	3.27E-18			
2818	1.21E-20			
2819	3.47E-19			

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2822	1.59E-18			
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2824	3.07E-18			
2825	3.11E-21			
2826	3.43E-18			
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2828	3.09E-18			
2829	4.81E-18			
2830	1.59E-18			
2831	1.59E-18			
2832	3.20E-18			
2833	1.59E-18			
2834	3.32E-18			
2835	1.21E-23			
2836	6.10E-21			
2837	3.09E-18			
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2845	2.01E-19			
2846	1.75E-18			
2847	3.17E-18			
2848	3.17E-18			
2849	1.82E-18			

2850	1.61E-18			
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2852	8.15E-19			
2853	2.17E-19			
2854	2.02E-19			
2855	3.24E-18			
2856	6.41E-18			
2857	1.73E-18			
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2859	7.99E-19			
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2862	7.93E-19			
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2871	3.63E-19			
2872	1.70E-19			
2873	2.14E-19			
2874	1.60E-18			
2875	3.78E-19			
2876	1.57E-20			
2877	2.14E-19			
2878	1.61E-19			
2879	3.08E-18			

2880	5.91E-21			
2881	6.26E-21			
2882	6.13E-21			
2883	1.61E-18			
2884	1.95E-18			
2885	3.08E-18			
2886	4.00E-20			
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2897	1.94E-18			
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2906	1.45E-22			
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2917	7.96E-19			
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2933	1.74E-18			
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2965	3.08E-18			
2966	3.24E-18			
2967	1.56E-20			
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2969	3.24E-21			

2970	3.23E-18			
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2972	3.09E-18			
2973	3.23E-18			
2974	3.12E-20			
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2976	1.60E-18			
2977	0.00E+00			
2978	3.07E-18			
2979	1.49E-19			
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2981	1.60E-18			
2982	1.24E-20			
2983	3.09E-18			
2984	3.23E-18			
2985	1.73E-19			
2986	1.55E-19			
2987	4.81E-18			
2988	4.69E-18			
2989	1.62E-18			
2990	1.77E-18			
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2992	3.08E-18			
2993	8.09E-19			
2994	1.26E-20			
2995	1.59E-18			
2996	1.59E-18			
2997	3.31E-21			
2998	1.60E-18			
2999	5.47E-18			

3000	3.88E-18			
3001	1.60E-18			
3002	3.71E-20			
3003	1.70E-19			
3004	6.12E-21			
3005	3.10E-18			
3006	9.17E-21			
3007	3.24E-18			
3008	9.79E-19			
3009	3.10E-21			
3010	8.05E-19			
3011	2.46E-20			
3012	3.24E-18			
3013	5.61E-18			
3014	4.81E-18			
3015	3.22E-18			
3016	1.67E-19			
3017	1.60E-18			
3018	5.47E-18			
3019	3.07E-18			
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3028	2.39E-18			
3029	3.07E-18			

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3032	3.08E-18			
3033	3.08E-18			
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3063	1.60E-18			
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3086	9.42E-19			
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3088	3.08E-18			
3089	4.66E-18			

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3092	1.55E-19			
3093	1.61E-19			
3094	4.67E-18			
3095	9.17E-21			
3096	3.09E-18			
3097	3.22E-18			
3098	1.24E-20			
3099	9.42E-19			
3100	1.60E-18			
3101	1.74E-18			
3102	4.02E-18			
3103	1.59E-18			
3104	1.75E-18			
3105	1.75E-22			
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3107	1.84E-20			
3108	1.70E-19			
3109	4.81E-18			
3110	1.60E-18			
3111	3.09E-18			
3112	3.89E-18			
3113	4.04E-18			
3114	1.67E-19			
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3116	3.09E-18			
3117	9.51E-19			
3118	1.24E-20			
3119	2.55E-18			

3120	1.61E-18			
3121	1.77E-18			
3122	9.17E-21			
3123	4.04E-18			
3124	7.99E-19			
3125	3.09E-18			
3126	3.09E-18			
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3130	1.62E-18			
3131	2.17E-20			
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3137	2.38E-18			
3138	5.46E-18			
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3140	1.60E-18			
3141	1.60E-18			
3142	1.61E-18			
3143	9.73E-19			
3144	4.66E-18			
3145	1.83E-19			
3146	3.07E-18			
3147	0.00E+00			
3148	1.25E-20			
3149	3.09E-18			

3150	3.07E-18			
3151	3.09E-18			
3152	5.47E-18			
3153	7.99E-19			
3154	1.75E-22			
3155	9.00E-21			
3156	1.60E-18			
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3159	1.74E-18			
3160	1.73E-18			
3161	1.49E-19			
3162	1.52E-19			
3163	1.75E-18			
3164	1.70E-19			
3165	4.66E-18			
3166	7.96E-19			
3167	7.93E-19			
3168	0.00E+00			
3169	1.59E-18			
3170	3.23E-18			
3171	9.03E-21			
3172	6.06E-21			
3173	3.03E-23			
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3178	1.60E-18			
3179	4.66E-18			

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3183	4.68E-18			
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3187	1.21E-23			
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3189	4.03E-18			
3190	4.68E-18			
3191	1.49E-19			
3192	3.08E-18			
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3197	3.08E-18			
3198	3.07E-18			
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3243	1.74E-18			
3244	7.99E-19			
3245	4.67E-18			
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3779	0.00E+00			

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3788	0.00E+00			
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3793	9.42E-19			
3794	1.49E-19			
3795	1.49E-19			
3796	9.42E-19			
3797	7.93E-19			
3798	1.49E-19			
3799	9.42E-19			
3800	0.00E+00			
3801	0.00E+00			
3802	1.45E-22			
3803	1.45E-22			
3804	1.49E-19			
3805	1.49E-19			
3806	7.93E-19			
3807	0.00E+00			
3808	1.49E-19			
3809	1.45E-22			

3810	1.49E-19			
3811	1.49E-19			
3812	7.93E-19			
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3817	1.45E-22			
3818	1.49E-19			
3819	1.49E-19			
3820	0.00E+00			
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3827	1.49E-19			
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3830	1.49E-19			
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3832	1.49E-19			
3833	9.42E-19			
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3835	0.00E+00			
3836	0.00E+00			
3837	1.45E-22			
3838	1.45E-22			
3839	9.42E-19			

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3846	1.45E-22			
3847	0.00E+00			
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3852	1.49E-19			
3853	1.45E-22			
3854	7.93E-19			
3855	1.49E-19			
3856	1.49E-19			
3857	1.45E-22			
3858	9.42E-19			
3859	0.00E+00			
3860	1.49E-19			
3861	1.49E-19			
3862	0.00E+00			
3863	9.42E-19			
3864	0.00E+00			
3865	1.49E-19			
3866	1.49E-19			
3867	1.49E-19			
3868	0.00E+00			
3869	1.45E-22			

3870	1.45E-22			
3871	7.93E-19			
3872	0.00E+00			
3873	1.45E-22			
3874	9.42E-19			
3875	1.49E-19			
3876	1.49E-19			
3877	7.93E-19			
3878	1.49E-19			
3879	1.49E-19			
3880	0.00E+00			
3881	1.49E-19			
3882	1.49E-19			
3883	0.00E+00			
3884	1.45E-22			
3885	1.45E-22			
3886	9.42E-19			
3887	1.45E-22			
3888	1.45E-22			
3889	1.49E-19			
3890	1.45E-22			
3891	7.93E-19			
3892	1.45E-22			
3893	1.49E-19			
3894	1.45E-22			
3895	0.00E+00			
3896	1.49E-19			
3897	1.49E-19			
3898	1.45E-22			
3899	7.93E-19			

3900	9.42E-19			
3901	1.45E-22			
3902	1.45E-22			
3903	0.00E+00			
3904	1.49E-19			
3905	0.00E+00			
3906	7.93E-19			
3907	0.00E+00			
3908	7.93E-19			
3909	1.45E-22			
3910	1.49E-19			
3911	7.93E-19			
3912	1.45E-22			
3913	1.49E-19			
3914	1.49E-19			
3915	1.45E-22			
3916	0.00E+00			
3917	0.00E+00			
3918	0.00E+00			
3919	0.00E+00			
3920	9.42E-19			
3921	1.45E-22			
3922	1.49E-19			
3923	1.45E-22			
3924	1.49E-19			
3925	1.49E-19			
3926	7.93E-19			
3927	1.45E-22			
3928	7.93E-19			
3929	7.93E-19			

3930	1.49E-19			
3931	1.45E-22			
3932	1.49E-19			
3933	1.49E-19			
3934	7.93E-19			
3935	0.00E+00			
3936	0.00E+00			
3937	0.00E+00			
3938	7.93E-19			
3939	7.93E-19			
3940	1.45E-22			
3941	0.00E+00			
3942	0.00E+00			
3943	1.45E-22			
3944	1.45E-22			
3945	0.00E+00			
3946	7.93E-19			
3947	0.00E+00			
3948	0.00E+00			
3949	0.00E+00			
3950	7.93E-19			
3951	1.45E-22			
3952	0.00E+00			
3953	0.00E+00			
3954	7.93E-19			
3955	1.45E-22			
3956	1.45E-22			
3957	1.45E-22			
3958	7.93E-19			
3959	1.45E-22			

3960	0.00E+00			
3961	1.45E-22			
3962	1.45E-22			
3963	0.00E+00			
3964	0.00E+00			
3965	0.00E+00			
3966	0.00E+00			
3967	0.00E+00			
3968	0.00E+00			
3969	1.45E-22			
3970	1.45E-22			
3971	1.45E-22			
3972	7.93E-19			
3973	0.00E+00			
3974	1.45E-22			
3975	1.45E-22			
3976	1.45E-22			
3977	1.45E-22			
3978	1.45E-22			
3979	7.93E-19			
3980	7.93E-19			
3981	1.45E-22			
3982	7.93E-19			
3983	0.00E+00			
3984	0.00E+00			
3985	7.93E-19			
3986	7.93E-19			
3987	7.93E-19			
3988	7.93E-19			
3989	0.00E+00			

3990	7.93E-19			
3991	0.00E+00			
3992	1.45E-22			
3993	7.93E-19			
3994	7.93E-19			
3995	7.93E-19			
3996	7.93E-19			
3997	1.45E-22			
3998	0.00E+00			
3999	7.93E-19			
4000	0.00E+00			
4001	0.00E+00			
4002	1.45E-22			
4003	1.45E-22			
4004	1.45E-22			
4005	0.00E+00			
4006	0.00E+00			
4007	1.45E-22			
4008	0.00E+00			
4009	7.93E-19			
4010	0.00E+00			
4011	7.93E-19			
4012	1.45E-22			
4013	7.93E-19			
4014	1.45E-22			
4015	1.45E-22			
4016	0.00E+00			
4017	0.00E+00			
4018	1.45E-22			
4019	0.00E+00			

4020	1.45E-22			
4021	7.93E-19			
4022	1.45E-22			
4023	7.93E-19			
4024	7.93E-19			
4025	7.93E-19			
4026	1.45E-22			
4027	0.00E+00			
4028	0.00E+00			
4029	0.00E+00			
4030	0.00E+00			
4031	0.00E+00			
4032	0.00E+00			
4033	0.00E+00			
4034	0.00E+00			
4035	7.93E-19			
4036	0.00E+00			
4037	0.00E+00			
4038	7.93E-19			
4039	0.00E+00			
4040	0.00E+00			
4041	0.00E+00			
4042	0.00E+00			
4043	0.00E+00			
4044	0.00E+00			
4045	0.00E+00			
4046	0.00E+00			
4047	7.93E-19			
4048	0.00E+00			
4049	7.93E-19			

4050	0.00E+00			
4051	0.00E+00			
4052	0.00E+00			
4053	7.93E-19			
4054	0.00E+00			
4055	0.00E+00			
4056	0.00E+00			
4057	0.00E+00			
4058	7.93E-19			
4059	0.00E+00			
4060	0.00E+00			
4061	7.93E-19			
4062	0.00E+00			
4063	0.00E+00			
4064	7.93E-19			
4065	0.00E+00			
4066	7.93E-19			
4067	0.00E+00			
4068	0.00E+00			
4069	0.00E+00			
4070	7.93E-19			
4071	0.00E+00			
4072	0.00E+00			
4073	7.93E-19			
4074	0.00E+00			
4075	0.00E+00			
4076	0.00E+00			
4077	7.93E-19			
4078	7.93E-19			
4079	0.00E+00			

4080	7.93E-19			
4081	0.00E+00			
4082	0.00E+00			
4083	0.00E+00			
4084	0.00E+00			
4085	0.00E+00			
4086	0.00E+00			
4087	0.00E+00			
4088	0.00E+00			
4089	0.00E+00			
4090	0.00E+00			
4091	7.93E-19			
4092	0.00E+00			
4093	0.00E+00			
4094	0.00E+00			
4095	0.00E+00			
4096	0.00E+00			
4097	0.00E+00			
4098	0.00E+00			
4099	0.00E+00			
4100	1.24E-20			
4101	0.00E+00			
4102	0.00E+00			
4103	0.00E+00			
4104	0.00E+00			
4105	0.00E+00			
4106	0.00E+00			
4107	0.00E+00			
4108	0.00E+00			
4109	0.00E+00			

4110	0.00E+00			
4111	0.00E+00			
4112	0.00E+00			
4113	0.00E+00			
4114	0.00E+00			
4115	0.00E+00			
4116	0.00E+00			
4117	0.00E+00			
4118	0.00E+00			
4119	0.00E+00			
4120	0.00E+00			
4121	0.00E+00			
4122	0.00E+00			
4123	0.00E+00			
4124	0.00E+00			
4125	0.00E+00			
4126	0.00E+00			
4127	0.00E+00			
4128	3.10E-21			
4129	0.00E+00			
4130	1.59E-18			
4131	0.00E+00			
4132	0.00E+00			
4133	0.00E+00			
4134	0.00E+00			
4135	0.00E+00			
4136	3.10E-21			
4137	0.00E+00			
4138	0.00E+00			
4139	0.00E+00			

4140	0.00E+00			
4141	3.63E-22			
4142	0.00E+00			
4143	0.00E+00			
4144	0.00E+00			
4145	0.00E+00			
4146	0.00E+00			
4147	0.00E+00			
4148	0.00E+00			
4149	0.00E+00			
4150	0.00E+00			
4151	0.00E+00			
4152	0.00E+00			
4153	4.96E-20			
4154	0.00E+00			
4155	0.00E+00			
4156	2.48E-20			
4157	0.00E+00			
4158	0.00E+00			
4159	0.00E+00			
4160	0.00E+00			
4161	3.63E-22			
4162	0.00E+00			
4163	1.59E-18			
4164	1.24E-20			
4165	0.00E+00			
4166	0.00E+00			
4167	0.00E+00			
4168	4.54E-23			
4169	0.00E+00			

4170	0.00E+00			
4171	0.00E+00			
4172	1.45E-22			
4173	1.98E-19			
4174	2.48E-20			
4175	0.00E+00			
4176	0.00E+00			
4177	0.00E+00			
4178	0.00E+00			
4179	4.65E-21			
4180	1.98E-19			
4181	4.65E-21			
4182	0.00E+00			
4183	5.91E-21			
4184	1.21E-23			
4185	0.00E+00			
4186	0.00E+00			
4187	0.00E+00			
4188	1.45E-22			
4189	0.00E+00			
4190	0.00E+00			
4191	0.00E+00			
4192	0.00E+00			
4193	0.00E+00			
4194	4.54E-23			
4195	0.00E+00			
4196	3.10E-21			
4197	0.00E+00			
4198	0.00E+00			
4199	0.00E+00			

4200	0.00E+00			
4201	0.00E+00			
4202	2.48E-20			
4203	1.45E-22			
4204	5.91E-21			
4205	0.00E+00			
4206	3.84E-19			
4207	1.21E-23			
4208	2.51E-20			
4209	0.00E+00			
4210	0.00E+00			
4211	1.94E-22			
4212	5.91E-21			
4213	1.94E-22			
4214	3.10E-21			
4215	4.65E-21			
4216	4.66E-21			
4217	3.14E-21			
4218	0.00E+00			
4219	3.84E-19			
4220	0.00E+00			
4221	1.82E-23			
4222	1.86E-20			
4223	1.98E-19			
4224	2.38E-18			
4225	2.39E-22			
4226	4.54E-23			
4227	2.48E-20			
4228	1.98E-19			
4229	0.00E+00			

4230	0.00E+00			
4231	0.00E+00			
4232	1.24E-20			
4233	3.10E-21			
4234	4.54E-23			
4235	1.24E-20			
4236	1.24E-20			
4237	1.59E-18			
4238	9.92E-19			
4239	1.94E-22			
4240	1.45E-22			
4241	1.21E-23			
4242	0.00E+00			
4243	1.59E-18			
4244	1.45E-22			
4245	1.98E-19			
4246	1.94E-22			
4247	0.00E+00			
4248	0.00E+00			
4249	0.00E+00			
4250	1.86E-20			
4251	0.00E+00			
4252	0.00E+00			
4253	0.00E+00			
4254	1.59E-18			
4255	1.94E-22			
4256	1.98E-19			
4257	1.21E-23			
4258	0.00E+00			
4259	0.00E+00			

4260	1.94E-22			
4261	2.38E-18			
4262	0.00E+00			
4263	5.91E-21			
4264	1.98E-19			
4265	0.00E+00			
4266	0.00E+00			
4267	0.00E+00			
4268	0.00E+00			
4269	1.21E-23			
4270	1.82E-23			
4271	3.84E-19			
4272	0.00E+00			
4273	0.00E+00			
4274	0.00E+00			
4275	1.86E-20			
4276	1.49E-19			
4277	2.38E-18			
4278	2.38E-18			
4279	2.53E-18			
4280	0.00E+00			
4281	1.45E-22			
4282	2.03E-19			
4283	1.73E-18			
4284	1.24E-20			
4285	0.00E+00			
4286	1.87E-20			
4287	2.17E-19			
4288	0.00E+00			
4289	5.91E-21			

4290	1.70E-20			
4291	1.52E-19			
4292	1.59E-18			
4293	4.65E-21			
4294	5.91E-21			
4295	4.85E-21			
4296	2.48E-20			
4297	3.12E-21			
4298	3.10E-18			
4299	0.00E+00			
4300	1.98E-19			
4301	1.21E-23			
4302	0.00E+00			
4303	0.00E+00			
4304	1.21E-23			
4305	3.07E-18			
4306	0.00E+00			
4307	2.39E-18			
4308	3.10E-21			
4309	2.01E-19			
4310	1.60E-18			
4311	1.94E-22			
4312	1.98E-19			
4313	2.38E-18			
4314	2.38E-18			
4315	3.47E-19			
4316	3.07E-18			
4317	1.45E-22			
4318	1.58E-19			
4319	0.00E+00			

4320	3.08E-18			
4321	0.00E+00			
4322	3.63E-22			
4323	1.59E-18			
4324	3.87E-22			
4325	2.04E-19			
4326	0.00E+00			
4327	1.60E-18			
4328	3.63E-22			
4329	3.24E-21			
4330	0.00E+00			
4331	1.73E-18			
4332	0.00E+00			
4333	5.91E-21			
4334	5.91E-21			
4335	1.94E-22			
4336	5.91E-21			
4337	0.00E+00			
4338	3.63E-22			
4339	3.63E-23			
4340	1.21E-23			
4341	1.49E-19			
4342	0.00E+00			
4343	0.00E+00			
4344	2.48E-20			
4345	3.29E-18			
4346	0.00E+00			
4347	1.25E-20			
4348	2.49E-20			
4349	0.00E+00			

4350	2.48E-20			
4351	1.59E-18			
4352	1.98E-19			
4353	3.10E-21			
4354	0.00E+00			
4355	3.10E-21			
4356	1.98E-19			
4357	0.00E+00			
4358	0.00E+00			
4359	2.42E-23			
4360	0.00E+00			
4361	7.74E-21			
4362	3.92E-19			
4363	0.00E+00			
4364	1.59E-18			
4365	0.00E+00			
4366	1.24E-20			
4367	2.48E-20			
4368	2.61E-18			
4369	1.82E-23			
4370	3.76E-20			
4371	1.99E-19			
4372	2.48E-20			
4373	2.40E-18			
4374	1.86E-20			
4375	2.38E-18			
4376	3.97E-19			
4377	3.18E-18			
4378	0.00E+00			
4379	1.94E-22			

4380	1.60E-18			
4381	1.49E-19			
4382	1.86E-20			
4383	2.48E-20			
4384	3.07E-18			
4385	0.00E+00			
4386	1.97E-18			
4387	1.45E-22			
4388	1.73E-18			
4389	3.92E-19			
4390	4.65E-21			
4391	2.58E-18			
4392	0.00E+00			
4393	0.00E+00			
4394	3.08E-18			
4395	1.59E-18			
4396	3.10E-21			
4397	3.46E-21			
4398	2.38E-18			
4399	0.00E+00			
4400	0.00E+00			
4401	3.63E-22			
4402	3.07E-18			
4403	0.00E+00			
4404	1.86E-20			
4405	2.38E-18			
4406	0.00E+00			
4407	1.94E-22			
4408	1.55E-20			
4409	1.45E-22			

4410	2.79E-20			
4411	3.11E-21			
4412	3.07E-18			
4413	3.10E-21			
4414	3.29E-21			
4415	1.94E-22			
4416	3.84E-19			
4417	0.00E+00			
4418	1.98E-19			
4419	1.98E-19			
4420	1.55E-20			
4421	3.07E-18			
4422	2.53E-18			
4423	4.84E-21			
4424	1.21E-23			
4425	2.38E-18			
4426	2.16E-20			
4427	0.00E+00			
4428	2.53E-18			
4429	5.91E-21			
4430	2.96E-18			
4431	2.58E-18			
4432	1.49E-19			
4433	5.91E-21			
4434	0.00E+00			
4435	0.00E+00			
4436	1.94E-22			
4437	4.66E-18			
4438	0.00E+00			
4439	3.10E-21			

4440	1.60E-18			
4441	0.00E+00			
4442	2.04E-19			
4443	0.00E+00			
4444	1.86E-20			
4445	1.21E-23			
4446	0.00E+00			
4447	1.60E-18			
4448	1.59E-18			
4449	4.65E-21			
4450	1.59E-18			
4451	1.59E-18			
4452	2.38E-18			
4453	0.00E+00			
4454	1.59E-18			
4455	0.00E+00			
4456	3.09E-18			
4457	1.62E-18			
4458	4.15E-19			
4459	0.00E+00			
4460	0.00E+00			
4461	2.40E-18			
4462	1.59E-18			
4463	3.90E-19			
4464	1.59E-18			
4465	1.86E-20			
4466	2.38E-18			
4467	3.28E-18			
4468	3.29E-18			
4469	9.00E-21			

4470	2.42E-23			
4471	2.42E-23			
4472	2.11E-19			
4473	3.08E-18			
4474	0.00E+00			
4475	8.05E-19			
4476	3.10E-21			
4477	1.82E-23			
4478	3.22E-18			
4479	2.17E-20			
4480	1.74E-18			
4481	2.38E-18			
4482	2.06E-22			
4483	2.40E-18			
4484	0.00E+00			
4485	1.24E-20			
4486	1.21E-23			
4487	1.98E-19			
4488	1.49E-19			
4489	7.98E-19			
4490	1.49E-19			
4491	3.31E-21			
4492	2.18E-22			
4493	2.48E-20			
4494	1.88E-20			
4495	2.12E-22			
4496	2.58E-18			
4497	2.11E-19			
4498	0.00E+00			
4499	3.97E-19			

4500	2.38E-18			
4501	2.76E-18			
4502	3.63E-23			
4503	3.10E-21			
4504	2.29E-19			
4505	3.10E-21			
4506	1.85E-20			
4507	0.00E+00			
4508	3.10E-21			
4509	2.40E-18			
4510	9.92E-19			
4511	4.65E-21			
4512	1.59E-18			
4513	3.12E-21			
4514	2.11E-19			
4515	2.04E-19			
4516	1.55E-19			
4517	1.98E-19			
4518	1.49E-19			
4519	1.21E-23			
4520	1.59E-18			
4521	1.72E-20			
4522	0.00E+00			
4523	4.88E-21			
4524	3.90E-19			
4525	3.87E-19			
4526	2.58E-18			
4527	3.30E-18			
4528	5.57E-22			
4529	2.02E-19			

4530	1.60E-18			
4531	1.59E-18			
4532	3.10E-21			
4533	3.09E-20			
4534	4.55E-18			
4535	2.06E-22			
4536	3.63E-23			
4537	0.00E+00			
4538	0.00E+00			
4539	2.01E-19			
4540	3.47E-19			
4541	1.73E-18			
4542	1.90E-20			
4543	5.24E-20			
4544	1.21E-23			
4545	0.00E+00			
4546	1.49E-19			
4547	3.30E-21			
4548	1.49E-19			
4549	0.00E+00			
4550	1.75E-18			
4551	0.00E+00			
4552	1.24E-20			
4553	8.18E-19			
4554	1.98E-19			
4555	1.73E-18			
4556	1.28E-20			
4557	1.59E-18			
4558	1.78E-18			
4559	1.98E-19			

4560	1.78E-18			
4561	3.97E-19			
4562	1.74E-18			
4563	1.59E-18			
4564	0.00E+00			
4565	0.00E+00			
4566	1.74E-18			
4567	3.10E-21			
4568	1.97E-18			
4569	1.61E-18			
4570	3.10E-21			
4571	3.87E-22			
4572	1.52E-19			
4573	1.26E-20			
4574	2.40E-18			
4575	6.12E-21			
4576	4.80E-21			
4577	4.86E-21			
4578	3.97E-18			
4579	0.00E+00			
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4583	2.17E-19			
4584	1.49E-19			
4585	1.88E-20			
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4587	1.49E-19			
4588	1.18E-18			
4589	1.97E-18			

4590	1.81E-18			
4591	1.59E-18			
4592	1.97E-18			
4593	1.59E-18			
4594	1.52E-19			
4595	7.04E-18			
4596	3.84E-19			
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4599	3.18E-18			
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4601	3.75E-22			
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4605	7.04E-18			
4606	1.59E-18			
4607	1.59E-18			
4608	4.85E-21			
4609	1.60E-18			
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4611	3.10E-21			
4612	6.27E-18			
4613	2.41E-18			
4614	1.97E-18			
4615	3.10E-18			
4616	2.38E-18			
4617	2.23E-19			
4618	2.23E-19			
4619	0.00E+00			

4620	2.00E-18			
4621	1.97E-18			
4622	2.23E-19			
4623	1.45E-22			
4624	0.00E+00			
4625	1.25E-20			
4626	1.86E-20			
4627	1.55E-19			
4628	3.63E-22			
4629	3.69E-20			
4630	1.97E-18			
4631	1.59E-18			
4632	4.66E-18			
4633	1.59E-18			
4634	1.80E-19			
4635	1.61E-18			
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4637	4.68E-18			
4638	3.90E-19			
4639	2.78E-18			
4640	3.13E-21			
4641	1.59E-18			
4642	1.86E-20			
4643	1.45E-22			
4644	3.63E-22			
4645	3.30E-18			
4646	1.88E-20			
4647	1.61E-18			
4648	1.75E-18			
4649	1.70E-20			

4650	1.99E-18			
4651	2.38E-18			
4652	3.87E-22			
4653	3.29E-21			
4654	2.38E-18			
4655	1.71E-19			
4656	0.00E+00			
4657	1.98E-18			
4658	1.61E-18			
4659	6.22E-21			
4660	1.59E-18			
4661	3.54E-20			
4662	1.55E-19			
4663	3.08E-18			
4664	3.10E-21			
4665	1.63E-18			
4666	8.18E-19			
4667	0.00E+00			
4668	2.12E-22			
4669	1.49E-19			
4670	2.38E-18			
4671	0.00E+00			
4672	4.65E-21			
4673	3.97E-19			
4674	1.59E-18			
4675	2.58E-18			
4676	0.00E+00			
4677	1.52E-19			
4678	1.59E-18			
4679	6.09E-21			

4680	1.59E-18			
4681	1.61E-18			
4682	1.59E-18			
4683	2.42E-23			
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4685	6.35E-21			
4686	3.89E-19			
4687	1.59E-18			
4688	1.59E-18			
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4693	6.10E-21			
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4696	3.87E-18			
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4699	3.48E-21			
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4702	8.24E-19			
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4724	2.58E-18			
4725	1.98E-19			
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4736	1.59E-18			
4737	5.92E-21			
4738	1.76E-18			
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4743	3.87E-19			
4744	5.86E-19			
4745	1.52E-19			
4746	4.65E-21			
4747	1.53E-19			
4748	2.60E-18			
4749	1.86E-20			
4750	3.46E-21			
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4752	2.42E-23			
4753	3.89E-19			
4754	2.53E-18			
4755	5.91E-21			
4756	7.96E-19			
4757	1.59E-18			
4758	1.24E-20			
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4763	1.45E-22			
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4766	1.49E-19			
4767	3.90E-19			
4768	3.24E-18			
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4772	5.91E-21			
4773	3.13E-21			
4774	2.53E-18			
4775	1.61E-18			
4776	1.59E-18			
4777	1.78E-18			
4778	3.07E-18			
4779	3.08E-18			
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4794	3.24E-21			
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4796	1.49E-19			
4797	2.17E-19			
4798	1.59E-18			
4799	1.94E-22			

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4801	3.08E-18			
4802	3.08E-18			
4803	1.55E-19			
4804	6.12E-21			
4805	4.65E-21			
4806	2.60E-18			
4807	1.60E-18			
4808	1.88E-20			
4809	4.18E-18			
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4832	3.66E-18			
4833	3.63E-22			
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4853	1.24E-20			
4854	1.78E-18			
4855	1.99E-18			
4856	0.00E+00			
4857	0.00E+00			
4858	8.29E-19			
4859	3.09E-18			

4860	1.99E-19			
4861	3.97E-18			
4862	0.00E+00			
4863	1.52E-19			
4864	6.40E-18			
4865	5.45E-18			
4866	3.87E-19			
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4882	3.07E-18			
4883	3.63E-22			
4884	2.18E-22			
4885	1.98E-19			
4886	2.47E-20			
4887	3.11E-21			
4888	2.41E-18			
4889	2.22E-19			

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4892	2.39E-18			
4893	3.10E-18			
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4903	2.38E-18			
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4952	7.43E-18			
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4955	3.90E-19			
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4984	1.60E-18			
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4986	3.08E-18			
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4989	1.60E-18			
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4991	3.53E-19			
4992	3.08E-18			
4993	2.06E-22			
4994	3.46E-21			
4995	3.90E-19			
4996	3.27E-18			
4997	2.78E-18			
4998	3.88E-19			
4999	0.00E+00			
5000	3.08E-18			
5001	1.64E-19			
5002	1.49E-19			
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5006	1.61E-18			
5007	1.98E-19			
5008	1.59E-18			
5009	1.49E-19			

5010	4.03E-19			
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5012	6.45E-18			
5013	2.05E-19			
5014	1.61E-18			
5015	2.41E-18			
5016	3.63E-22			
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5098	3.66E-18			
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5138	1.61E-18			
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5141	5.33E-19			
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5153	2.53E-18			
5154	5.92E-21			
5155	7.93E-19			
5156	1.52E-19			
5157	1.59E-18			
5158	1.74E-18			
5159	3.07E-18			

5160	1.18E-18			
5161	1.55E-20			
5162	2.38E-18			
5163	0.00E+00			
5164	1.97E-18			
5165	9.02E-21			
5166	1.52E-19			
5167	1.59E-18			
5168	2.20E-19			
5169	1.24E-20			
5170	1.59E-18			
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5177	3.19E-18			
5178	1.83E-20			
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5180	1.60E-18			
5181	3.18E-18			
5182	2.38E-18			
5183	4.67E-18			
5184	1.61E-18			
5185	3.07E-18			
5186	3.84E-19			
5187	3.29E-21			
5188	3.97E-19			
5189	1.99E-18			

5190	3.63E-22			
5191	4.06E-19			
5192	4.68E-18			
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5194	2.05E-19			
5195	3.63E-22			
5196	1.55E-20			
5197	8.06E-19			
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5201	1.59E-18			
5202	5.89E-19			
5203	2.12E-18			
5204	2.32E-18			
5205	0.00E+00			
5206	3.09E-18			
5207	2.14E-18			
5208	1.98E-18			
5209	1.60E-18			
5210	3.10E-21			
5211	5.24E-18			
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5225	4.68E-18			
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5227	3.37E-18			
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5232	3.39E-22			
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5245	3.46E-21			
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5252	3.19E-18			
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5343	2.35E-19			
5344	2.04E-19			
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5347	8.12E-19			
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5368	1.62E-18			
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5555	1.67E-19			
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5887	4.86E-18			
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5891	1.79E-18			
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6579	1.60E-18			
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6689	1.75E-18			

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6899	1.73E-18			

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6905	1.59E-18			
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7108	1.59E-18			
7109	0.00E+00			

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7225	1.74E-18			
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7232	3.10E-21			
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7254	9.42E-19			
7255	0.00E+00			
7256	9.54E-19			
7257	1.25E-20			
7258	1.73E-18			
7259	1.73E-18			

7260	1.25E-20			
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7262	1.60E-18			
7263	1.60E-18			
7264	7.93E-19			
7265	1.25E-20			
7266	1.74E-18			
7267	1.75E-18			
7268	0.00E+00			
7269	1.59E-18			
7270	2.39E-18			
7271	3.26E-21			
7272	2.53E-18			
7273	1.45E-22			
7274	1.64E-19			
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7277	3.24E-21			
7278	1.45E-22			
7279	1.74E-18			
7280	9.54E-19			
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7285	1.57E-22			
7286	1.59E-18			
7287	8.09E-19			
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7290	1.75E-18			
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7293	1.56E-20			
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7295	8.06E-19			
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7299	1.60E-18			
7300	1.49E-19			
7301	9.45E-19			
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7309	1.60E-18			
7310	1.73E-18			
7311	1.49E-19			
7312	1.45E-22			
7313	0.00E+00			
7314	0.00E+00			
7315	1.75E-18			
7316	2.53E-18			
7317	1.25E-20			
7318	2.38E-18			
7319	7.96E-19			

7320	1.74E-18			
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7322	2.39E-18			
7323	9.45E-19			
7324	1.49E-19			
7325	2.38E-18			
7326	1.49E-19			
7327	1.61E-19			
7328	3.11E-21			
7329	1.21E-23			
7330	1.75E-18			
7331	1.57E-22			
7332	2.39E-18			
7333	2.54E-18			
7334	1.75E-18			
7335	1.73E-18			
7336	1.55E-20			
7337	1.64E-19			
7338	1.74E-18			
7339	0.00E+00			
7340	1.52E-19			
7341	1.74E-18			
7342	1.59E-18			
7343	1.21E-23			
7344	2.38E-18			
7345	1.52E-19			
7346	1.49E-19			
7347	1.52E-19			
7348	1.73E-18			
7349	1.52E-19			

7350	1.73E-18			
7351	1.59E-18			
7352	3.24E-21			
7353	3.24E-21			
7354	1.52E-19			
7355	1.73E-18			
7356	1.57E-22			
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7361	1.57E-22			
7362	2.53E-18			
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7365	7.96E-19			
7366	1.52E-19			
7367	1.45E-22			
7368	2.38E-18			
7369	0.00E+00			
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7372	1.45E-22			
7373	1.49E-19			
7374	9.45E-19			
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7377	3.11E-21			
7378	7.93E-19			
7379	7.96E-19			

7380	7.93E-19			
7381	0.00E+00			
7382	1.57E-22			
7383	3.11E-21			
7384	1.49E-19			
7385	1.49E-19			
7386	0.00E+00			
7387	1.49E-19			
7388	3.26E-21			
7389	1.21E-23			
7390	0.00E+00			
7391	1.49E-19			
7392	1.49E-19			
7393	1.57E-22			
7394	9.42E-19			
7395	1.21E-23			
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7398	1.49E-19			
7399	3.10E-21			
7400	1.45E-22			
7401	1.21E-23			
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7403	7.96E-19			
7404	7.96E-19			
7405	1.52E-19			
7406	7.93E-19			
7407	9.45E-19			
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7409	1.57E-22			

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7411	1.45E-22			
7412	1.52E-19			
7413	1.49E-19			
7414	1.52E-19			
7415	1.45E-22			
7416	1.45E-22			
7417	7.93E-19			
7418	1.52E-19			
7419	1.52E-19			
7420	7.96E-19			
7421	1.45E-22			
7422	9.42E-19			
7423	1.52E-19			
7424	0.00E+00			
7425	1.49E-19			
7426	7.93E-19			
7427	1.49E-19			
7428	9.45E-19			
7429	3.11E-21			
7430	1.52E-19			
7431	7.93E-19			
7432	3.24E-21			
7433	9.42E-19			
7434	1.57E-22			
7435	1.21E-23			
7436	1.57E-22			
7437	9.42E-19			
7438	9.45E-19			
7439	1.49E-19			

7440	1.49E-19			
7441	1.52E-19			
7442	1.52E-19			
7443	9.42E-19			
7444	3.11E-21			
7445	1.57E-22			
7446	1.52E-19			
7447	1.49E-19			
7448	9.42E-19			
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7450	1.21E-23			
7451	7.96E-19			
7452	1.45E-22			
7453	1.52E-19			
7454	1.57E-22			
7455	0.00E+00			
7456	3.11E-21			
7457	1.52E-19			
7458	1.52E-19			
7459	1.52E-19			
7460	3.24E-21			
7461	0.00E+00			
7462	0.00E+00			
7463	1.45E-22			
7464	1.49E-19			
7465	3.26E-21			
7466	9.42E-19			
7467	1.21E-23			
7468	3.10E-21			
7469	3.10E-21			

7470	9.45E-19			
7471	1.52E-19			
7472	7.93E-19			
7473	1.45E-22			
7474	1.52E-19			
7475	1.49E-19			
7476	1.49E-19			
7477	7.96E-19			
7478	7.96E-19			
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7480	3.24E-21			
7481	1.21E-23			
7482	1.52E-19			
7483	1.49E-19			
7484	0.00E+00			
7485	9.45E-19			
7486	1.21E-23			
7487	1.52E-19			
7488	7.96E-19			
7489	3.26E-21			
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7491	1.52E-19			
7492	9.42E-19			
7493	9.42E-19			
7494	3.26E-21			
7495	0.00E+00			
7496	3.24E-21			
7497	1.45E-22			
7498	9.42E-19			
7499	7.93E-19			

7500	1.57E-22			
7501	1.57E-22			
7502	7.96E-19			
7503	1.52E-19			
7504	3.10E-21			
7505	1.49E-19			
7506	1.49E-19			
7507	1.49E-19			
7508	3.10E-21			
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7518	1.45E-22			
7519	1.49E-19			
7520	3.24E-21			
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7522	9.42E-19			
7523	1.49E-19			
7524	1.52E-19			
7525	1.52E-19			
7526	0.00E+00			
7527	7.96E-19			
7528	1.49E-19			
7529	7.96E-19			

7530	1.52E-19			
7531	3.10E-21			
7532	1.49E-19			
7533	7.93E-19			
7534	0.00E+00			
7535	1.52E-19			
7536	3.24E-21			
7537	3.10E-21			
7538	7.93E-19			
7539	9.42E-19			
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7542	1.52E-19			
7543	3.10E-21			
7544	9.42E-19			
7545	1.45E-22			
7546	0.00E+00			
7547	9.45E-19			
7548	9.42E-19			
7549	1.45E-22			
7550	0.00E+00			
7551	1.45E-22			
7552	1.49E-19			
7553	1.45E-22			
7554	1.49E-19			
7555	1.49E-19			
7556	1.49E-19			
7557	0.00E+00			
7558	1.49E-19			
7559	1.49E-19			

7560	1.45E-22			
7561	0.00E+00			
7562	9.42E-19			
7563	1.45E-22			
7564	1.45E-22			
7565	0.00E+00			
7566	1.45E-22			
7567	7.93E-19			
7568	1.49E-19			
7569	0.00E+00			
7570	1.49E-19			
7571	1.45E-22			
7572	1.49E-19			
7573	0.00E+00			
7574	7.93E-19			
7575	0.00E+00			
7576	9.42E-19			
7577	9.42E-19			
7578	1.49E-19			
7579	1.45E-22			
7580	7.93E-19			
7581	1.45E-22			
7582	7.93E-19			
7583	0.00E+00			
7584	1.49E-19			
7585	9.42E-19			
7586	1.49E-19			
7587	1.49E-19			
7588	0.00E+00			
7589	1.49E-19			

7590	1.49E-19			
7591	9.42E-19			
7592	9.42E-19			
7593	7.93E-19			
7594	1.49E-19			
7595	1.49E-19			
7596	7.93E-19			
7597	9.42E-19			
7598	9.42E-19			
7599	0.00E+00			
7600	1.49E-19			
7601	0.00E+00			
7602	0.00E+00			
7603	1.45E-22			
7604	0.00E+00			
7605	1.45E-22			
7606	1.49E-19			
7607	1.49E-19			
7608	0.00E+00			
7609	1.49E-19			
7610	0.00E+00			
7611	7.93E-19			
7612	1.49E-19			
7613	0.00E+00			
7614	7.93E-19			
7615	1.49E-19			
7616	1.49E-19			
7617	1.45E-22			
7618	1.49E-19			
7619	1.49E-19			

7620	1.45E-22			
7621	1.49E-19			
7622	1.49E-19			
7623	7.93E-19			
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7625	0.00E+00			
7626	1.49E-19			
7627	1.45E-22			
7628	7.93E-19			
7629	1.49E-19			
7630	1.49E-19			
7631	0.00E+00			
7632	1.45E-22			
7633	1.45E-22			
7634	1.45E-22			
7635	1.49E-19			
7636	1.49E-19			
7637	1.49E-19			
7638	0.00E+00			
7639	0.00E+00			
7640	7.93E-19			
7641	1.49E-19			
7642	1.45E-22			
7643	9.42E-19			
7644	0.00E+00			
7645	1.45E-22			
7646	1.45E-22			
7647	9.42E-19			
7648	9.42E-19			
7649	9.42E-19			

7650	1.49E-19			
7651	1.45E-22			
7652	0.00E+00			
7653	1.49E-19			
7654	7.93E-19			
7655	9.42E-19			
7656	1.49E-19			
7657	1.49E-19			
7658	1.45E-22			
7659	1.49E-19			
7660	1.49E-19			
7661	0.00E+00			
7662	1.49E-19			
7663	1.49E-19			
7664	9.42E-19			
7665	9.42E-19			
7666	1.49E-19			
7667	0.00E+00			
7668	7.93E-19			
7669	0.00E+00			
7670	9.42E-19			
7671	0.00E+00			
7672	9.42E-19			
7673	1.45E-22			
7674	1.49E-19			
7675	1.45E-22			
7676	9.42E-19			
7677	9.42E-19			
7678	0.00E+00			
7679	1.49E-19			

7680	1.49E-19			
7681	0.00E+00			
7682	7.93E-19			
7683	1.49E-19			
7684	0.00E+00			
7685	1.49E-19			
7686	0.00E+00			
7687	1.45E-22			
7688	9.42E-19			
7689	1.49E-19			
7690	1.45E-22			
7691	1.45E-22			
7692	0.00E+00			
7693	0.00E+00			
7694	1.45E-22			
7695	7.93E-19			
7696	7.93E-19			
7697	1.49E-19			
7698	1.45E-22			
7699	1.45E-22			
7700	7.93E-19			
7701	1.45E-22			
7702	9.42E-19			
7703	1.49E-19			
7704	0.00E+00			
7705	1.45E-22			
7706	7.93E-19			
7707	7.93E-19			
7708	1.49E-19			
7709	1.49E-19			

7710	9.42E-19			
7711	1.49E-19			
7712	0.00E+00			
7713	1.45E-22			
7714	9.42E-19			
7715	9.42E-19			
7716	0.00E+00			
7717	0.00E+00			
7718	1.49E-19			
7719	1.49E-19			
7720	1.49E-19			
7721	1.49E-19			
7722	1.49E-19			
7723	0.00E+00			
7724	1.49E-19			
7725	9.42E-19			
7726	9.42E-19			
7727	0.00E+00			
7728	1.49E-19			
7729	1.49E-19			
7730	9.42E-19			
7731	1.49E-19			
7732	7.93E-19			
7733	1.49E-19			
7734	1.45E-22			
7735	0.00E+00			
7736	0.00E+00			
7737	1.45E-22			
7738	1.49E-19			
7739	1.45E-22			

7740	1.45E-22			
7741	7.93E-19			
7742	1.49E-19			
7743	0.00E+00			
7744	1.49E-19			
7745	1.45E-22			
7746	1.49E-19			
7747	9.42E-19			
7748	9.42E-19			
7749	1.49E-19			
7750	7.93E-19			
7751	1.49E-19			
7752	0.00E+00			
7753	7.93E-19			
7754	7.93E-19			
7755	1.49E-19			
7756	1.49E-19			
7757	1.49E-19			
7758	9.42E-19			
7759	0.00E+00			
7760	1.45E-22			
7761	1.49E-19			
7762	1.49E-19			
7763	1.49E-19			
7764	0.00E+00			
7765	0.00E+00			
7766	1.45E-22			
7767	1.45E-22			
7768	0.00E+00			
7769	1.45E-22			

7770	1.49E-19			
7771	9.42E-19			
7772	1.49E-19			
7773	1.45E-22			
7774	1.49E-19			
7775	1.45E-22			
7776	7.93E-19			
7777	1.49E-19			
7778	1.45E-22			
7779	1.45E-22			
7780	1.49E-19			
7781	7.93E-19			
7782	1.45E-22			
7783	1.45E-22			
7784	1.49E-19			
7785	1.49E-19			
7786	0.00E+00			
7787	1.45E-22			
7788	1.49E-19			
7789	0.00E+00			
7790	1.49E-19			
7791	1.49E-19			
7792	7.93E-19			
7793	1.49E-19			
7794	9.42E-19			
7795	1.45E-22			
7796	1.49E-19			
7797	7.93E-19			
7798	0.00E+00			
7799	9.42E-19			

7800	1.49E-19			
7801	1.45E-22			
7802	1.49E-19			
7803	1.45E-22			
7804	1.49E-19			
7805	0.00E+00			
7806	1.49E-19			
7807	1.49E-19			
7808	0.00E+00			
7809	0.00E+00			
7810	1.49E-19			
7811	7.93E-19			
7812	1.49E-19			
7813	0.00E+00			
7814	1.45E-22			
7815	7.93E-19			
7816	0.00E+00			
7817	1.45E-22			
7818	1.45E-22			
7819	1.49E-19			
7820	1.49E-19			
7821	7.93E-19			
7822	1.45E-22			
7823	1.45E-22			
7824	1.49E-19			
7825	1.49E-19			
7826	1.49E-19			
7827	1.49E-19			
7828	1.49E-19			
7829	1.45E-22			

7830	0.00E+00			
7831	0.00E+00			
7832	9.42E-19			
7833	0.00E+00			
7834	0.00E+00			
7835	0.00E+00			
7836	0.00E+00			
7837	0.00E+00			
7838	7.93E-19			
7839	9.42E-19			
7840	0.00E+00			
7841	1.45E-22			
7842	0.00E+00			
7843	1.49E-19			
7844	1.49E-19			
7845	1.45E-22			
7846	9.42E-19			
7847	1.49E-19			
7848	1.49E-19			
7849	1.49E-19			
7850	1.49E-19			
7851	7.93E-19			
7852	0.00E+00			
7853	1.45E-22			
7854	1.45E-22			
7855	7.93E-19			
7856	1.49E-19			
7857	7.93E-19			
7858	1.49E-19			
7859	1.49E-19			

7860	0.00E+00			
7861	1.45E-22			
7862	0.00E+00			
7863	1.49E-19			
7864	1.49E-19			
7865	1.49E-19			
7866	0.00E+00			
7867	7.93E-19			
7868	1.45E-22			
7869	0.00E+00			
7870	1.45E-22			
7871	0.00E+00			
7872	7.93E-19			
7873	0.00E+00			
7874	0.00E+00			
7875	7.93E-19			
7876	1.45E-22			
7877	7.93E-19			
7878	1.45E-22			
7879	1.45E-22			
7880	0.00E+00			
7881	0.00E+00			
7882	7.93E-19			
7883	0.00E+00			
7884	0.00E+00			
7885	1.45E-22			
7886	1.45E-22			
7887	1.45E-22			
7888	0.00E+00			
7889	0.00E+00			

7890	0.00E+00			
7891	7.93E-19			
7892	0.00E+00			
7893	0.00E+00			
7894	0.00E+00			
7895	0.00E+00			
7896	0.00E+00			
7897	0.00E+00			
7898	0.00E+00			
7899	7.93E-19			
7900	0.00E+00			
7901	1.45E-22			
7902	1.45E-22			
7903	0.00E+00			
7904	1.45E-22			
7905	0.00E+00			
7906	1.45E-22			
7907	7.93E-19			
7908	7.93E-19			
7909	1.45E-22			
7910	7.93E-19			
7911	1.45E-22			
7912	0.00E+00			
7913	1.45E-22			
7914	0.00E+00			
7915	7.93E-19			
7916	0.00E+00			
7917	1.45E-22			
7918	7.93E-19			
7919	0.00E+00			

7920	1.45E-22			
7921	1.45E-22			
7922	7.93E-19			
7923	1.45E-22			
7924	0.00E+00			
7925	0.00E+00			
7926	0.00E+00			
7927	0.00E+00			
7928	0.00E+00			
7929	0.00E+00			
7930	7.93E-19			
7931	0.00E+00			
7932	1.45E-22			
7933	0.00E+00			
7934	7.93E-19			
7935	0.00E+00			
7936	1.45E-22			
7937	1.45E-22			
7938	0.00E+00			
7939	1.45E-22			
7940	1.45E-22			
7941	1.45E-22			
7942	7.93E-19			
7943	7.93E-19			
7944	0.00E+00			
7945	0.00E+00			
7946	1.45E-22			
7947	1.45E-22			
7948	7.93E-19			
7949	1.45E-22			

7950	0.00E+00			
7951	1.45E-22			
7952	0.00E+00			
7953	1.45E-22			
7954	7.93E-19			
7955	1.45E-22			
7956	0.00E+00			
7957	7.93E-19			
7958	0.00E+00			
7959	7.93E-19			
7960	0.00E+00			
7961	1.45E-22			
7962	0.00E+00			
7963	7.93E-19			
7964	1.45E-22			
7965	0.00E+00			
7966	1.45E-22			
7967	0.00E+00			
7968	1.45E-22			
7969	7.93E-19			
7970	1.45E-22			
7971	7.93E-19			
7972	1.45E-22			
7973	7.93E-19			
7974	1.45E-22			
7975	7.93E-19			
7976	1.45E-22			
7977	0.00E+00			
7978	7.93E-19			
7979	7.93E-19			

7980	7.93E-19			
7981	0.00E+00			
7982	1.45E-22			
7983	1.45E-22			
7984	1.45E-22			
7985	7.93E-19			
7986	1.45E-22			
7987	7.93E-19			
7988	0.00E+00			
7989	7.93E-19			
7990	7.93E-19			
7991	7.93E-19			
7992	7.93E-19			
7993	1.45E-22			
7994	0.00E+00			
7995	0.00E+00			
7996	1.45E-22			
7997	7.93E-19			
7998	0.00E+00			
7999	0.00E+00			
8000	0.00E+00			
8001	0.00E+00			
8002	7.93E-19			
8003	1.45E-22			
8004	0.00E+00			
8005	1.45E-22			
8006	0.00E+00			
8007	1.45E-22			
8008	7.93E-19			
8009	0.00E+00			

8010	1.45E-22			
8011	0.00E+00			
8012	7.93E-19			
8013	1.45E-22			
8014	0.00E+00			
8015	0.00E+00			
8016	0.00E+00			
8017	7.93E-19			
8018	0.00E+00			
8019	0.00E+00			
8020	1.45E-22			
8021	7.93E-19			
8022	7.93E-19			
8023	1.45E-22			
8024	0.00E+00			
8025	7.93E-19			
8026	0.00E+00			
8027	1.45E-22			
8028	0.00E+00			
8029	1.45E-22			
8030	1.45E-22			
8031	0.00E+00			
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8033	0.00E+00			
8034	1.45E-22			
8035	1.45E-22			
8036	7.93E-19			
8037	0.00E+00			
8038	0.00E+00			
8039	1.45E-22			

8040	1.45E-22			
8041	7.93E-19			
8042	7.93E-19			
8043	1.45E-22			
8044	7.93E-19			
8045	7.93E-19			
8046	1.45E-22			
8047	7.93E-19			
8048	0.00E+00			
8049	7.93E-19			
8050	0.00E+00			
8051	1.45E-22			
8052	7.93E-19			
8053	0.00E+00			
8054	1.45E-22			
8055	0.00E+00			
8056	0.00E+00			
8057	0.00E+00			
8058	7.93E-19			
8059	0.00E+00			
8060	0.00E+00			
8061	0.00E+00			
8062	7.93E-19			
8063	0.00E+00			
8064	7.93E-19			
8065	0.00E+00			
8066	0.00E+00			
8067	0.00E+00			
8068	0.00E+00			
8069	7.93E-19			

8070	0.00E+00			
8071	0.00E+00			
8072	0.00E+00			
8073	0.00E+00			
8074	0.00E+00			
8075	7.93E-19			
8076	0.00E+00			
8077	0.00E+00			
8078	0.00E+00			
8079	0.00E+00			
8080	0.00E+00			
8081	0.00E+00			
8082	0.00E+00			
8083	0.00E+00			
8084	0.00E+00			
8085	0.00E+00			
8086	0.00E+00			
8087	0.00E+00			
8088	0.00E+00			
8089	0.00E+00			
8090	0.00E+00			
8091	0.00E+00			
8092	0.00E+00			
8093	7.93E-19			
8094	7.93E-19			
8095	0.00E+00			
8096	7.93E-19			
8097	7.93E-19			
8098	0.00E+00			
8099	0.00E+00			

8100	0.00E+00			
8101	0.00E+00			
8102	0.00E+00			
8103	0.00E+00			
8104	0.00E+00			
8105	7.93E-19			
8106	0.00E+00			
8107	0.00E+00			
8108	7.93E-19			
8109	0.00E+00			
8110	0.00E+00			
8111	0.00E+00			
8112	7.93E-19			
8113	0.00E+00			
8114	0.00E+00			
8115	7.93E-19			
8116	0.00E+00			
8117	0.00E+00			
8118	0.00E+00			
8119	0.00E+00			
8120	0.00E+00			
8121	7.93E-19			
8122	7.93E-19			
8123	0.00E+00			
8124	0.00E+00			
8125	0.00E+00			
8126	0.00E+00			
8127	7.93E-19			
8128	0.00E+00			
8129	0.00E+00			

8130	0.00E+00			
8131	7.93E-19			
8132	0.00E+00			
8133	0.00E+00			
8134	0.00E+00			
8135	0.00E+00			
8136	7.93E-19			
8137	0.00E+00			
8138	7.93E-19			
8139	7.93E-19			
8140	0.00E+00			
8141	0.00E+00			
8142	0.00E+00			
8143	0.00E+00			
8144	7.93E-19			
8145	7.93E-19			
8146	0.00E+00			
8147	0.00E+00			
8148	0.00E+00			
8149	0.00E+00			
8150	0.00E+00			
8151	0.00E+00			
8152	0.00E+00			
8153	7.93E-19			
8154	7.93E-19			
8155	7.93E-19			
8156	0.00E+00			
8157	0.00E+00			
8158	0.00E+00			
8159	7.93E-19			

8160	0.00E+00			
8161	0.00E+00			
8162	0.00E+00			
8163	0.00E+00			
8164	0.00E+00			
8165	0.00E+00			
8166	7.93E-19			
8167	0.00E+00			
8168	0.00E+00			
8169	0.00E+00			
8170	0.00E+00			
8171	0.00E+00			
8172	0.00E+00			
8173	0.00E+00			
8174	0.00E+00			
8175	0.00E+00			
8176	0.00E+00			
8177	0.00E+00			
8178	0.00E+00			
8179	0.00E+00			
8180	7.93E-19			
8181	7.93E-19			
8182	0.00E+00			
8183	0.00E+00			
8184	0.00E+00			
8185	0.00E+00			
8186	0.00E+00			
8187	0.00E+00			
8188	7.93E-19			
8189	0.00E+00			

8190	0.00E+00			
8191	0.00E+00			
8192	0.00E+00			