

# THE LARGEST KNOWN PRIMES

(The 5,000 largest known primes)

(selected smaller primes which have comments are included)

Originally Compiled by Samuel Yates – Continued by Chris Caldwell

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So that I can maintain this database of the 5,000 largest known primes (plus selected smaller primes with 1,000 or more digits), please send any new primes (that are large enough) to:

<http://primes.utm.edu/bios/submission.php>

This list in a searchable form (plus information such as how to find large primes and how to prove primality) is available at the interactive web site:

<http://primes.utm.edu/primes/>

See the last pages for information about the provers.

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## 1 The List of Primes

The letters after the rank refer to when the prime was submitted. ‘a’ is this month, ‘b’ last month...

rank	description	digits	who	year	comment
1	$2^{57885161} - 1$	17425170	G13	13	Mersenne 48??
2	$2^{43112609} - 1$	12978189	G10	08	Mersenne 47??
3	$2^{42643801} - 1$	12837064	G12	09	Mersenne 46??
4	$2^{37156667} - 1$	11185272	G11	08	Mersenne 45?
5	$2^{32582657} - 1$	9808358	G9	06	Mersenne 44?
6	$2^{30402457} - 1$	9152052	G9	05	Mersenne 43?
7	$2^{25964951} - 1$	7816230	G8	05	Mersenne 42
8	$2^{24036583} - 1$	7235733	G7	04	Mersenne 41
9	$2^{20996011} - 1$	6320430	G6	03	Mersenne 40
10	$2^{13466917} - 1$	4053946	G5	01	Mersenne 39
11	$19249 \cdot 2^{13018586} + 1$	3918990	SB10	07	
12	$3 \cdot 2^{10829346} + 1$	3259959	L3770	14	Divides $GF(10829343, 3)$ , $GF(10829345, 5)$
13	$475856^{524288} + 1$	2976633	L3230	12	Generalized Fermat
14	$356926^{524288} + 1$	2911151	L3209	12	Generalized Fermat
15	$341112^{524288} + 1$	2900832	L3184	12	Generalized Fermat
16	$27653 \cdot 2^{9167433} + 1$	2759677	SB8	05	
17	$90527 \cdot 2^{9162167} + 1$	2758093	L1460	10	
18	$75898^{524288} + 1$	2558647	p334	11	Generalized Fermat
19	$28433 \cdot 2^{7830457} + 1$	2357207	SB7	04	
20	$3 \cdot 2^{7033641} + 1$	2117338	L2233	11	Divides $GF(7033639, 3)$
21	$33661 \cdot 2^{7031232} + 1$	2116617	SB11	07	
22	$2^{6972593} - 1$	2098960	G4	99	Mersenne 38
23	$40597 \cdot 2^{6808509} - 1$	2049571	L3749	13	

rank	description	digits	who	year	comment
24	$6679881 \cdot 2^{6679881} + 1$	2010852	L917	09	Cullen
25	$304207 \cdot 2^{6643565} - 1$	1999918	L3547	13	
26	$398023 \cdot 2^{6418059} - 1$	1932034	L3659	13	
27	$1582137 \cdot 2^{6328550} + 1$	1905090	L801	09	Cullen
28	$3 \cdot 2^{6090515} - 1$	1833429	L1353	10	
29	$7 \cdot 2^{5775996} + 1$	1738749	L3325	12	
30	$9 \cdot 2^{5642513} + 1$	1698567	L3432	13	
31	$252191 \cdot 2^{5497878} - 1$	1655032	L3183	12	
32	$258317 \cdot 2^{5450519} + 1$	1640776	g414	08	
33	$773620^{262144} + 1$	1543643	L3118	12	Generalized Fermat
34	$3 \cdot 2^{5082306} + 1$	1529928	L780	09	Divides $GF(5082303, 3)$ , $GF(5082305, 5)$
35	$676754^{262144} + 1$	1528413	L2975	12	Generalized Fermat
36	$5359 \cdot 2^{5054502} + 1$	1521561	SB6	03	
37	$525094^{262144} + 1$	1499526	p338	12	Generalized Fermat
38	$265711 \cdot 2^{4858008} + 1$	1462412	g414	08	
39	$1271 \cdot 2^{4850526} - 1$	1460157	L1828	12	
40	$361658^{262144} + 1$	1457075	p332	11	Generalized Fermat
41	$2^{4792057} - 2^{2396029} + 1$	1442553	L3839	14	Gaussian Mersenne norm 39??
42	$9 \cdot 2^{4683555} - 1$	1409892	L1828	12	
43	$11 \cdot 2^{4643238} - 1$	1397755	L2484	14	
44	$121 \cdot 2^{4553899} - 1$	1370863	L3023	12	
45	$145310^{262144} + 1$	1353265	p314	11	Generalized Fermat
46	$353159 \cdot 2^{4331116} - 1$	1303802	L2408	11	
47	$141941 \cdot 2^{4299438} - 1$	1294265	L689	11	
48	$15 \cdot 2^{4246384} + 1$	1278291	L3432	13	Divides $GF(4246381, 6)$
49	$3 \cdot 2^{4235414} - 1$	1274988	L606	08	
50	$191 \cdot 2^{4203426} - 1$	1265360	L2484	12	
51	$40734^{262144} + 1$	1208473	p309	11	Generalized Fermat
52	$9 \cdot 2^{4005979} - 1$	1205921	L1828	12	
53	$27 \cdot 2^{3855094} - 1$	1160501	L3033	12	
54	$24518^{262144} + 1$	1150678	g413	08	Generalized Fermat
55	$123547 \cdot 2^{3804809} - 1$	1145367	L2371	11	
56	$326834 \cdot 5^{1634978} - 1$	1142807	L3523	14	
57	$415267 \cdot 2^{3771929} - 1$	1135470	L2373	11	
58	$11 \cdot 2^{3771821} + 1$	1135433	p286	13	
59	$938237 \cdot 2^{3752950} - 1$	1129757	L521	07	Woodall
60	$207394 \cdot 5^{1612573} - 1$	1127146	L3869	14	
61	$104944 \cdot 5^{1610735} - 1$	1125861	L3849	14	
62	$330286 \cdot 5^{1584399} - 1$	1107453	L3523	14	
63	$15 \cdot 2^{3668194} - 1$	1104238	L3665	13	
64	$65531 \cdot 2^{3629342} - 1$	1092546	L2269	11	
65	$485767 \cdot 2^{3609357} - 1$	1086531	L622	08	
66	$5 \cdot 2^{3569154} - 1$	1074424	L503	09	
67	$22934 \cdot 5^{1536762} - 1$	1074155	L3789	14	
68	$\text{Phi}(3, 3^{1118781} + 1)/3$	1067588	L3839	14	Generalized Unique
69	$93 \cdot 2^{3544744} + 1$	1067077	L1728	14	
70	$178658 \cdot 5^{1525224} - 1$	1066092	L3789	14	
71	$1019 \cdot 2^{3536312} - 1$	1064539	L1828	12	
72	$2 \cdot 10^{1059002} - 1$	1059003	L3432	13	Near-repdigit

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73	$7 \cdot 2^{3511774} + 1$	1057151	p236	08	Divides $GF(3511773, 6)$
74	$428639 \cdot 2^{3506452} - 1$	1055553	L2046	11	
75	$9 \cdot 2^{3497442} + 1$	1052836	L1780	12	Generalized Fermat, divides $GF(3497441, 10)$
76	$87 \cdot 2^{3496188} + 1$	1052460	L1576	14	
77	$51 \cdot 2^{3490971} + 1$	1050889	L1823	14	
78	$59912 \cdot 5^{1500861} + 1$	1049062	L3772	14	
79	$37292 \cdot 5^{1487989} + 1$	1040065	L3553	13	
80	$1273 \cdot 2^{3448551} - 1$	1038121	L1828	12	
81	$191249 \cdot 2^{3417696} - 1$	1028835	L1949	10	
82	$59 \cdot 2^{3408416} - 1$	1026038	L426	10	
83	$67 \cdot 2^{3391385} - 1$	1020911	L1959	14	
84	$173198 \cdot 5^{1457792} - 1$	1018959	L3720	13	
85	$81 \cdot 2^{3352924} + 1$	1009333	L1728	12	Generalized Fermat
86	$1087 \cdot 2^{3336385} - 1$	1004355	L1828	12	
87	$464253 \cdot 2^{3321908} - 1$	1000000	L466	13	
88	$191273 \cdot 2^{3321908} - 1$	1000000	L466	13	
89	$3139 \cdot 2^{3321905} - 1$	999997	L185	08	
90	$4847 \cdot 2^{3321063} + 1$	999744	SB9	05	
91	$49 \cdot 2^{3309087} - 1$	996137	L1959	13	
92	$245114 \cdot 5^{1424104} - 1$	995412	L3686	13	
93	$175124 \cdot 5^{1422646} - 1$	994393	L3686	13	
94	$5 \cdot 2^{3264650} - 1$	982759	L384	13	
95	$223 \cdot 2^{3264459} - 1$	982703	L1884	12	
96	$9 \cdot 2^{3259381} - 1$	981173	L1828	11	
97	$39 \cdot 2^{3240990} + 1$	975637	L3432	14	
98	$211195 \cdot 2^{3224974} + 1$	970820	L2121	13	
99	$94373 \cdot 2^{3206717} + 1$	965323	L2785	13	
100	$113983 \cdot 2^{3201175} - 1$	963655	L613	08	
101	$33 \cdot 2^{3176269} + 1$	956154	L3432	13	
102	$1087 \cdot 2^{3164677} - 1$	952666	L1828	12	
103	$15 \cdot 2^{3162659} + 1$	952057	p286	12	
104	$19 \cdot 2^{3155009} - 1$	949754	L1828	12	
105	$3 \cdot 2^{3136255} - 1$	944108	L256	07	
106	$27777 \cdot 2^{3111027} + 1$	936517	L2777	14	Generalized Cullen
107	$1019 \cdot 2^{3103680} - 1$	934304	L1828	12	
108	$256612 \cdot 5^{1335485} - 1$	933470	L259	13	
109	$69 \cdot 2^{3097340} - 1$	932395	L3764	14	
110	$5 \cdot 2^{3090860} - 1$	930443	L1862	12	
111	$60849 \cdot 2^{3067914} + 1$	923539	L591	14	
112	$21 \cdot 2^{3065701} + 1$	922870	p286	12	
113	$43 \cdot 2^{3063674} + 1$	922260	L3432	13	
114	$5 \cdot 2^{3059698} - 1$	921062	L503	08	
115	$383731 \cdot 2^{3021377} - 1$	909531	L466	11	
116	$46821 \cdot 2^{3021380} - 374567$	909531	p363	13	
117	$2^{3021377} - 1$	909526	G3	98	Mersenne 37
118	$7 \cdot 2^{3015762} + 1$	907836	g279	08	
119	$268514 \cdot 5^{1292240} - 1$	903243	L3562	13	
120	$7 \cdot 10^{902708} + 1$	902709	p342	13	
121	$43 \cdot 2^{2994958} + 1$	901574	L3222	13	

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122	$1095 \cdot 2^{2992587} - 1$	900862	L1828	11	
123	$15 \cdot 2^{2988834} + 1$	899730	p286	12	
124	$39 \cdot 2^{2978894} + 1$	896739	L2719	13	
125	$4348099 \cdot 2^{2976221} - 1$	895939	L466	08	
126	$18976 \cdot 2^{2976221} - 18975$	895937	p373	14	
127	$2^{2976221} - 1$	895932	G2	97	Mersenne 36
128	$46425 \cdot 2^{2971203} + 1$	894426	L2777	14	Generalized Cullen
129	$198677 \cdot 2^{2950515} + 1$	888199	L2121	12	
130	$17 \cdot 2^{2946584} - 1$	887012	L3519	13	
131	$33 \cdot 2^{2939063} - 1$	884748	L3345	13	
132	$7019 \cdot 10^{881309} - 1$	881313	L3564	13	
133	$25 \cdot 2^{2927222} + 1$	881184	L1935	13	Generalized Fermat
134	$97366 \cdot 5^{1259955} - 1$	880676	L3567	13	
135	$243944 \cdot 5^{1258576} - 1$	879713	L3566	13	
136	$7 \cdot 2^{2915954} + 1$	877791	g279	08	Divides $GF(2915953, 12)$ [g322]
137	$427194 \cdot 113^{427194} + 1$	877069	p310	12	Generalized Cullen
138	$63 \cdot 2^{2898957} + 1$	872675	L3262	13	
139	$11 \cdot 2^{2897409} + 1$	872209	L2973	13	Divides $GF(2897408, 3)$
140	$51 \cdot 2^{2881227} + 1$	867338	L3512	13	
141	$41 \cdot 2^{2872058} - 1$	864578	L2484	13	
142	$1207 \cdot 2^{2861901} - 1$	861522	L1828	11	
143	$222361 \cdot 2^{2854840} + 1$	859398	g403	06	
144	$95 \cdot 2^{2837909} + 1$	854298	L3539	13	
145	$84466 \cdot 5^{1215373} - 1$	849515	L3562	13	
146	$97 \cdot 2^{2820650} + 1$	849103	L2163	13	
147	$107 \cdot 2^{2819922} - 1$	848884	L2484	13	
148	$97 \cdot 2^{2818306} + 1$	848397	L3262	13	
149	$177 \cdot 2^{2816050} + 1$	847718	L129	12	
150	$96 \cdot 10^{846519} - 1$	846521	L2425	11	Near-repdigit
151	$63 \cdot 2^{2807130} + 1$	845033	L3262	13	
152	$150344 \cdot 5^{1205508} - 1$	842620	L3547	13	
153	$400254 \cdot 127^{400254} + 1$	842062	g407	13	Generalized Cullen
154	$43 \cdot 2^{2795582} + 1$	841556	L2842	13	
155	$15 \cdot 2^{2785940} + 1$	838653	p286	12	
156	$57 \cdot 2^{2765963} + 1$	832640	L3262	13	
157	$77 \cdot 2^{2762047} + 1$	831461	L3430	13	
158	$7 \cdot 10^{830865} + 1$	830866	p342	14	
159	$57 \cdot 2^{2747499} + 1$	827082	L3514	13	Divides Fermat $F(2747497)$
160	$17 \cdot 2^{2721830} - 1$	819354	p294	10	
161	$165 \cdot 2^{2717378} - 1$	818015	L2055	12	
162	$45 \cdot 2^{2711732} + 1$	816315	L1349	12	
163	$39 \cdot 2^{2705367} + 1$	814399	L1576	13	Divides $GF(2705360, 3)$
164	$11 \cdot 2^{2691961} + 1$	810363	p286	13	Divides $GF(2691960, 12)$
165	$1372930^{131072} + 1$	804474	g236	03	Generalized Fermat
166	$1361244^{131072} + 1$	803988	g236	04	Generalized Fermat
167	$1396 \cdot 5^{1146713} - 1$	801522	L3547	13	
168	$69 \cdot 2^{2649939} - 1$	797713	L3764	14	
169	$1176694^{131072} + 1$	795695	g236	03	Generalized Fermat
170	$13 \cdot 2^{2642943} - 1$	795607	L1862	12	
171	$342673 \cdot 2^{2639439} - 1$	794556	L53	07	

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172	$92182 \cdot 5^{1135262} + 1$	793520	L3547	13	
173	$87 \cdot 2^{2630468} + 1$	791852	L3262	13	
174	$17152 \cdot 5^{1131205} - 1$	790683	L3552	13	
175	$1063730^{131072} + 1$	789949	g260	13	Generalized Fermat
176	$1243 \cdot 2^{2623707} - 1$	789818	L1828	11	
177	$87 \cdot 2^{2609046} + 1$	785404	L2520	13	
178	$329584 \cdot 5^{1122935} - 1$	784904	L3553	13	
179	$13 \cdot 2^{2606075} - 1$	784508	L1862	11	
180	$25 \cdot 2^{2583690} + 1$	777770	L3249	13	Generalized Fermat
181	$334310 \cdot 2^{11334310} - 1$	777037	p350	12	Generalized Woodall
182	$51 \cdot 2^{2578652} + 1$	776254	L3262	13	
183	$75 \cdot 2^{2562382} - 1$	771356	L2055	11	
184	$147559 \cdot 2^{2562218} + 1$	771310	L764	12	
185	$404 \cdot 12^{714558} + 1$	771141	L1471	11	
186	$9 \cdot 2^{2543551} + 1$	765687	L1204	11	Divides Fermat $F(2543548)$ , $GF(2543549, 3)$ , $GF(2543549, 6)$ , $GF(2543549, 12)$
187	$689186^{131072} + 1$	765243	g429	13	Generalized Fermat
188	$123287 \cdot 2^{2538167} + 1$	764070	L3054	12	
189	$305716 \cdot 5^{1093095} - 1$	764047	L3547	13	
190	$83 \cdot 2^{2537641} + 1$	763908	L1300	13	
191	$33 \cdot 2^{2513872} - 1$	756753	L3345	13	
192	$45 \cdot 2^{2507894} + 1$	754953	L1349	12	
193	$130484 \cdot 5^{1080012} - 1$	754902	L3547	13	
194	$572186^{131072} + 1$	754652	g0	04	Generalized Fermat
195	$165 \cdot 2^{2500130} - 1$	752617	L2055	11	
196	$33 \cdot 2^{2499883} - 1$	752542	L3345	13	
197	$57 \cdot 2^{2492031} + 1$	750178	L1230	13	
198	$3 \cdot 2^{2478785} + 1$	746190	g245	03	Divides Fermat $F(2478782)$ , $GF(2478782, 3)$ , $GF(2478776, 6)$ , $GF(2478782, 12)$
199	$22 \cdot 30^{504814} - 1$	745673	p355	14	
200	$11 \cdot 2^{2476839} + 1$	745604	L2691	11	
201	$1061 \cdot 2^{2474282} - 1$	744837	L1828	12	
202	$81 \cdot 2^{2468789} + 1$	743182	g418	09	
203	$55154 \cdot 5^{1063213} + 1$	743159	L3543	13	
204	$26773 \cdot 2^{2465343} - 1$	742147	L197	06	
205	$5 \cdot 2^{2460482} - 1$	740680	L503	08	
206	$41676 \cdot 7^{875197} - 1$	739632	L2777	12	Generalized Woodall
207	$65 \cdot 2^{2450614} - 1$	737711	L2074	14	
208	$75 \cdot 2^{2446050} + 1$	736337	L3035	13	
209	$114986 \cdot 5^{1052966} - 1$	735997	L3528	13	
210	$386892^{131072} + 1$	732377	p259	09	Generalized Fermat
211	$69 \cdot 2^{2428251} - 1$	730979	L384	14	
212	$23 \cdot 2^{2425641} + 1$	730193	L2675	11	
213	$69 \cdot 2^{2410035} - 1$	725495	L2074	13	
214	$243686 \cdot 5^{1036954} - 1$	724806	L3549	13	
215	$15 \cdot 2^{2393365} + 1$	720476	L1349	10	

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216	$99 \cdot 2^{2383846} + 1$	717612	L1780	13	
217	$737 \cdot 2^{2382804} - 1$	717299	L191	07	
218	$61 \cdot 2^{2381887} - 1$	717022	L2432	12	
219	$1117 \cdot 2^{2373977} - 1$	714642	L1828	12	
220	$99 \cdot 2^{2370390} + 1$	713561	L1204	13	
221	$1183953 \cdot 2^{2367907} - 1$	712818	L447	07	Woodall
222	[ Long prime 222 ]	712748	p360	13	
223	$119878 \cdot 5^{1019645} - 1$	712707	L3528	13	
224	$150209! + 1$	712355	p3	11	Factorial
225	$2683 \cdot 2^{2360743} - 1$	710658	L1959	12	
226	$33706 \cdot 6^{910462} + 1$	708482	L587	14	
227	$45 \cdot 2^{2347187} + 1$	706576	L1349	12	
228	$127 \cdot 2^{2346377} - 1$	706332	L282	09	
229	$33 \cdot 2^{2345001} + 1$	705918	L2322	13	
230	$83 \cdot 2^{2342345} + 1$	705119	L2626	13	
231	$275293 \cdot 2^{2335007} - 1$	702913	L193	06	
232	$228188^{131072} + 1$	702323	g124	10	Generalized Fermat
233	$147855! - 1$	700177	p362	13	Factorial
234	$15 \cdot 2^{2323205} - 1$	699356	L2484	11	
235	$125098 \cdot 6^{896696} + 1$	697771	L587	14	
236	$65536 \cdot 5^{997872} + 1$	697488	L3802	14	Generalized Fermat
237	$1983 \cdot 366^{271591} - 1$	696222	L2054	12	
238	$3 \cdot 2^{2312734} - 1$	696203	L158	05	
239	$450457 \cdot 2^{2307905} - 1$	694755	L172	06	
240	$1087 \cdot 2^{2293345} - 1$	690369	L1828	11	
241	$97768 \cdot 5^{987383} - 1$	690157	L1016	13	
242	$3 \cdot 2^{2291610} + 1$	689844	L753	08	Divides $GF(2291607, 3)$ , $GF(2291609, 5)$
243	$93 \cdot 2^{2263894} + 1$	681502	L2826	13	
244	$217499 \cdot 28^{470508} - 1$	680905	p366	13	
245	$65 \cdot 2^{2250637} + 1$	677512	L3487	13	
246	$374565 \cdot 2^{2247391} + 1$	676538	L3532	13	Generalized Cullen
247	$35 \cdot 2^{2241049} + 1$	674625	L2742	13	
248	$831 \cdot 2^{2235253} + 1$	672882	L3432	13	
249	$103 \cdot 2^{2232551} - 1$	672067	L2484	13	
250	$11 \cdot 2^{2230369} + 1$	671410	L2561	11	Divides $GF(2230368, 3)$
251	$130816^{131072} + 1$	670651	g308	03	Generalized Fermat
252	$27 \cdot 2^{2218064} + 1$	667706	L690	09	
253	$67 \cdot 2^{2215581} - 1$	666959	L268	10	
254	$33 \cdot 2^{2215291} - 1$	666871	L3345	13	
255	$157533 \cdot 2^{2214598} - 1$	666666	L3494	13	
256	$33 \cdot 2^{2212971} - 1$	666173	L3345	13	
257	$3 \cdot 10^{665829} + 1$	665830	p300	12	
258	$165 \cdot 2^{2207550} - 1$	664541	L2055	11	
259	$19 \cdot 2^{2206266} + 1$	664154	p189	06	
260	$2 \cdot 179^{294739} + 1$	664004	g424	11	Divides $\Phi(179^{294739}, 2)$
261	$173 \cdot 2^{2199301} + 1$	662058	L1204	14	
262	$5077 \cdot 2^{2198565} - 1$	661838	L251	08	
263	$114487 \cdot 2^{2198389} - 1$	661787	L179	06	
264	$404882 \cdot 43^{404882} - 1$	661368	p310	11	Generalized Woodall

rank	description	digits	who	year	comment
265	$256 \cdot 3^{1384608} + 1$	660629	L3802	14	Generalized Fermat
266	$269 \cdot 2^{2189235} + 1$	659028	L1204	14	
267	$39 \cdot 2^{2188855} + 1$	658913	p286	13	
268	$433 \cdot 2^{2188076} + 1$	658680	L3855	14	
269	$249 \cdot 2^{2185003} + 1$	657754	L1300	14	
270	$585 \cdot 2^{2184510} + 1$	657606	L3838	14	
271	$525 \cdot 2^{2180848} + 1$	656504	L3797	14	
272	$447 \cdot 2^{2180102} + 1$	656279	L3760	14	
273	$196597 \cdot 2^{2178109} - 1$	655682	L175	06	
274	$70082 \cdot 5^{936972} - 1$	654921	L3523	13	
275	$699 \cdot 2^{2175031} + 1$	654753	L3865	14	
276	$69 \cdot 2^{2174213} - 1$	654506	L2055	12	
277	$793 \cdot 2^{2173720} + 1$	654358	L2322	14	
278	$651 \cdot 2^{2173159} + 1$	654189	L3864	14	
279	$739 \cdot 2^{2170786} + 1$	653475	L2121	14	
280	$701 \cdot 2^{2169041} + 1$	652950	L3863	14	
281	$295 \cdot 2^{2168448} + 1$	652771	L1935	14	
282	$7 \cdot 2^{2167800} + 1$	652574	g279	07	Divides Fermat $F(2167797)$ , $GF(2167799, 5)$ , $GF(2167799, 10)$
283	$359 \cdot 2^{2165551} + 1$	651899	L3838	14	
284	$329 \cdot 2^{2163717} + 1$	651347	L2117	14	
285	$559 \cdot 2^{2163382} + 1$	651246	L1741	14	
286	$775 \cdot 2^{2162344} + 1$	650934	L3588	14	
287	$21 \cdot 2^{2160479} - 1$	650371	L2074	12	
288	$102976 \cdot 5^{929801} - 1$	649909	L3313	13	
289	$617 \cdot 2^{2156699} + 1$	649234	L1675	14	
290	$483 \cdot 2^{2155456} + 1$	648860	L3760	14	
291	$105 \cdot 2^{2155392} + 1$	648840	L3580	14	
292	$31340 \cdot 6^{833096} + 1$	648280	p271	13	
293	$427 \cdot 2^{2153306} + 1$	648213	L3838	14	
294	$261 \cdot 2^{2152805} + 1$	648062	L1125	14	
295	$371 \cdot 2^{2150871} + 1$	647480	L2545	14	
296	$111 \cdot 2^{2150802} - 1$	647458	L2484	13	
297	$357 \cdot 2^{2148518} + 1$	646771	L1741	14	
298	$67 \cdot 2^{2148060} + 1$	646633	L3276	13	
299	$243 \cdot 2^{2147387} - 1$	646431	L2444	14	
300	$693 \cdot 2^{2147024} + 1$	646322	L3862	14	
301	$3 \cdot 2^{2145353} + 1$	645817	g245	03	Divides Fermat $F(2145351)$ , $GF(2145351, 3)$ , $GF(2145352, 5)$ , $GF(2145348, 6)$ , $GF(2145352, 10)$ , $GF(2145351, 12)$
302	$509 \cdot 2^{2144181} + 1$	645466	L3035	14	
303	$753 \cdot 2^{2143388} + 1$	645227	L2583	14	Divides $GF(2143383, 3)$
304	$161 \cdot 2^{2142431} + 1$	644939	L3105	14	
305	$25 \cdot 2^{2141884} + 1$	644773	L1741	11	Divides Fermat $F(2141872)$ , $GF(2141871, 5)$ , $GF(2141872, 10)$ ; generalized Fermat

rank	description	digits	who	year	comment
306	$23 \cdot 2^{2141626} - 1$	644696	L545	08	
307	$519 \cdot 2^{2140311} + 1$	644301	L2659	14	
308	$7 \cdot 2^{2139912} + 1$	644179	g279	07	Divides $GF(2139911, 12)$
309	$315 \cdot 2^{2139665} + 1$	644106	L3838	14	
310	$193 \cdot 2^{2139400} + 1$	644026	L3538	14	
311	$292402 \cdot 159^{292402} + 1$	643699	g407	12	Generalized Cullen
312	$513 \cdot 2^{2135642} + 1$	642896	L3843	14	
313	$61 \cdot 2^{2134577} - 1$	642574	L2055	11	
314	$711 \cdot 2^{2132477} + 1$	641943	L2125	14	
315	$75 \cdot 2^{2130432} - 1$	641326	L2055	11	
316	$110488 \cdot 5^{917100} + 1$	641031	L3354	13	
317	$37 \cdot 2^{2128328} + 1$	640693	L3422	13	
318	$103 \cdot 2^{2128242} + 1$	640667	L3787	14	
319	$253 \cdot 2^{2126968} + 1$	640284	L1935	14	
320	$583 \cdot 2^{2126166} + 1$	640043	L1741	14	
321	$587 \cdot 2^{2124947} + 1$	639676	L3838	14	
322	$451 \cdot 2^{2124636} + 1$	639582	L1741	14	
323	$693 \cdot 2^{2121393} + 1$	638606	L3278	14	
324	$8331405 \cdot 2^{2120345} - 1$	638295	L2055	13	
325	$33 \cdot 2^{2118570} - 1$	637755	L3345	13	
326	$254 \cdot 5^{911506} - 1$	637118	p292	10	
327	$771 \cdot 2^{2115741} + 1$	636905	L1675	14	
328	$411 \cdot 2^{2115559} + 1$	636850	L2840	14	
329	$189 \cdot 2^{2115473} + 1$	636824	L3784	14	Divides $GF(2115468, 6)$
330	$591 \cdot 2^{2111001} + 1$	635478	L1360	14	
331	$433 \cdot 2^{2109146} + 1$	634919	L1935	14	
332	$519 \cdot 2^{2108910} + 1$	634848	L1356	14	
333	$765 \cdot 2^{2106027} + 1$	633981	L3838	14	
334	$503 \cdot 2^{2106013} + 1$	633976	L1741	14	
335	$113 \cdot 2^{2104825} + 1$	633618	L3785	14	
336	$381 \cdot 2^{2103999} + 1$	633370	L2322	14	
337	$57 \cdot 2^{2103370} - 1$	633180	L2055	11	
338	$539 \cdot 2^{2102167} + 1$	632819	L3125	14	
339	$687 \cdot 2^{2100243} + 1$	632239	L3867	14	
340	$329 \cdot 2^{2099771} + 1$	632097	L2507	14	
341	$35 \cdot 2^{2099769} + 1$	632095	L3432	13	
342	$405 \cdot 2^{2099716} + 1$	632081	L3154	14	
343	$575 \cdot 2^{2098483} + 1$	631710	L3168	14	
344	$103 \cdot 2^{2093350} + 1$	630164	L3432	13	
345	$369 \cdot 2^{2093022} + 1$	630065	L3514	14	
346	$165 \cdot 2^{2090645} + 1$	629350	L1209	14	
347	$1119 \cdot 2^{2090509} + 1$	629309	L2520	14	
348	$941 \cdot 2^{2090243} + 1$	629229	L1356	14	
349	$62722^{131072} + 1$	628808	g308	03	Generalized Fermat
350	$401 \cdot 2^{2088713} + 1$	628768	L3035	14	
351	$819 \cdot 2^{2088423} + 1$	628681	L3890	14	
352	$1009 \cdot 2^{2087690} + 1$	628461	L3728	14	
353	$85 \cdot 2^{2087651} - 1$	628448	L2338	13	
354	$467 \cdot 2^{2085835} + 1$	627902	L3625	14	
355	$563528 \cdot 13^{563528} - 1$	627745	p262	09	Generalized Woodall



rank	description	digits	who	year	comment
356	$437960 \cdot 3^{1313880} + 1$	626886	L2777	12	Generalized Cullen
357	$247 \cdot 2^{2082202} + 1$	626808	L3294	14	
358	$107 \cdot 2^{2081775} + 1$	626679	L3432	13	Divides $GF(2081774, 6)$
359	$655 \cdot 2^{2080562} + 1$	626315	L3859	14	
360	$201 \cdot 2^{2080464} + 1$	626285	L1741	14	
361	$269328 \cdot 2^{269328} + 1$	626000	p354	12	Generalized Cullen
362	$153 \cdot 2^{2079401} + 1$	625965	L3601	14	
363	$279 \cdot 2^{2079167} + 1$	625895	L2413	14	
364	$643 \cdot 2^{2078306} + 1$	625636	L3035	14	
365	$79 \cdot 2^{2078162} + 1$	625591	L2117	13	
366	$239 \cdot 2^{2076663} + 1$	625141	L2413	14	
367	$1003 \cdot 2^{2076535} - 1$	625103	L51	08	
368	$2186 \cdot 7^{739474} - 1$	624932	p258	11	
369	$73 \cdot 2^{2075936} + 1$	624921	L3464	13	
370	$807 \cdot 2^{2075519} + 1$	624797	L3555	14	
371	$65 \cdot 2^{2073229} + 1$	624106	L1480	13	
372	$693 \cdot 2^{2072564} + 1$	623907	L3290	14	
373	$375 \cdot 2^{2071598} + 1$	623616	L2413	14	
374	$73 \cdot 2^{2071592} + 1$	623614	L1480	13	
375	$125 \cdot 2^{2071555} + 1$	623603	L3432	13	
376	$1107 \cdot 2^{2071480} + 1$	623581	L2520	14	
377	$299 \cdot 2^{2070979} + 1$	623430	L1741	14	
378	$891 \cdot 2^{2069024} + 1$	622842	L2520	14	
379	$943 \cdot 2^{2068944} + 1$	622818	L1741	14	
380	$579 \cdot 2^{2068647} + 1$	622728	L2967	14	
381	$911 \cdot 2^{2068497} + 1$	622683	L1741	14	
382	$1005 \cdot 2^{2067272} + 1$	622314	L3895	14	
383	$393 \cdot 2^{2066540} + 1$	622094	L3700	14	
384	$951 \cdot 2^{2065180} + 1$	621685	L1403	14	
385	$915 \cdot 2^{2064663} + 1$	621529	L3035	14	
386	$9 \cdot 2^{2060941} - 1$	620407	L503	08	
387	$659 \cdot 2^{2058623} + 1$	619711	L3860	14	
388	$575 \cdot 2^{2056081} + 1$	618945	L1935	14	
389	$1095 \cdot 2^{2055975} + 1$	618914	L3518	14	
390	$3 \cdot 10^{618853} + 1$	618854	p300	12	
391	$819 \cdot 2^{2054470} + 1$	618461	L2826	14	
392	$969 \cdot 2^{2054054} + 1$	618335	L3668	14	
393	$675 \cdot 2^{2053578} + 1$	618192	L1792	14	
394	$739 \cdot 2^{2051658} + 1$	617614	L3838	14	
395	$71 \cdot 2^{2051313} + 1$	617509	L1480	13	
396	$779 \cdot 2^{2050881} + 1$	617380	L3453	14	
397	$75 \cdot 2^{2050637} - 1$	617306	L2055	11	
398	$935 \cdot 2^{2050113} + 1$	617149	L3696	14	
399	$847 \cdot 2^{2049400} + 1$	616934	L2322	14	
400	$73 \cdot 2^{2048754} + 1$	616739	L3432	13	
401	$527 \cdot 2^{2045751} + 1$	615836	L346	14	
402	$785 \cdot 2^{2045419} + 1$	615736	L3861	14	
403	$195 \cdot 2^{2044789} + 1$	615546	L3744	14	
404	$537 \cdot 2^{2044162} + 1$	615357	L1741	14	
405	$413 \cdot 2^{2043829} + 1$	615257	L1300	14	

rank	description	digits	who	year	comment
406	$345 \cdot 2^{2042295} + 1$	614795	L2562	14	
407	$1069 \cdot 2^{2039562} + 1$	613973	L1741	14	
408	$625 \cdot 2^{2039416} + 1$	613929	L1741	14	Generalized Fermat
409	$1085 \cdot 2^{2038005} + 1$	613504	L2520	14	
410	$1069 \cdot 2^{2036902} + 1$	613172	L3876	14	
411	$417 \cdot 2^{2036482} + 1$	613045	L1847	14	
412	$701 \cdot 2^{2035955} + 1$	612887	L2823	14	
413	$1025 \cdot 2^{2034405} + 1$	612420	L1741	14	
414	$651 \cdot 2^{2034352} + 1$	612404	L3459	14	
415	$121 \cdot 2^{2033941} - 1$	612280	L162	06	
416	$57 \cdot 2^{2033643} + 1$	612190	L3432	13	
417	$249 \cdot 2^{2031803} + 1$	611637	L2327	14	
418	$783 \cdot 2^{2031629} + 1$	611585	L2126	14	
419	$285 \cdot 2^{2028495} + 1$	610641	L2594	14	
420	$775 \cdot 2^{2027562} + 1$	610360	L1204	14	
421	$621 \cdot 2^{2026864} + 1$	610150	L3446	14	
422	$357 \cdot 2^{2026846} + 1$	610144	L2163	14	
423	$879 \cdot 2^{2026501} + 1$	610041	L1139	14	
424	$787 \cdot 2^{2026242} + 1$	609963	L2122	14	
425	$919 \cdot 2^{2024094} + 1$	609316	L1741	14	
426	$235 \cdot 2^{2023486} + 1$	609133	L2594	14	
427	$195 \cdot 2^{2023030} + 1$	608996	L376	14	
428	$8 \cdot 10^{608989} - 1$	608990	p297	11	Near-repdigit
429	$233 \cdot 2^{2022801} + 1$	608927	L3767	14	
430	$521 \cdot 2^{2022059} + 1$	608704	L3760	14	
431	$431 \cdot 2^{2019693} + 1$	607991	L2100	14	
432	$1155 \cdot 2^{2019244} + 1$	607857	L3873	14	
433	$195 \cdot 2^{2018866} + 1$	607742	L2413	14	
434	$59506 \cdot 6^{780877} + 1$	607646	p254	13	
435	$45 \cdot 2^{2014557} + 1$	606444	L1349	12	Divides $GF(2014552, 10)$
436	$251749 \cdot 2^{2013995} - 1$	606279	L436	07	Woodall
437	$1023 \cdot 2^{2012570} + 1$	605847	L1741	14	
438	$403 \cdot 2^{2012412} + 1$	605799	L3538	14	
439	$1173 \cdot 2^{2012185} + 1$	605732	L1413	14	
440	$751 \cdot 2^{2010924} + 1$	605352	L3859	14	
441	$101 \cdot 2^{2009735} + 1$	604993	L3432	13	
442	$1069 \cdot 2^{2008558} + 1$	604640	L1595	14	
443	$881 \cdot 2^{2008309} + 1$	604565	L3260	14	
444	$959 \cdot 2^{2008035} + 1$	604482	L1422	14	
445	$633 \cdot 2^{2007897} + 1$	604441	L3857	14	
446	$223 \cdot 2^{2007748} + 1$	604395	L1741	14	
447	$461 \cdot 2^{2007631} + 1$	604360	L1300	14	
448	$477 \cdot 2^{2006719} + 1$	604086	L3803	14	
449	$428551 \cdot 2^{2006520} + 1$	604029	g411	11	
450	$1097 \cdot 2^{2005203} + 1$	603630	L3868	14	
451	$493 \cdot 2^{2002964} + 1$	602955	L3800	14	
452	$315 \cdot 2^{2002904} + 1$	602937	L3790	14	
453	$77 \cdot 2^{2002742} - 1$	602888	L2074	13	
454	$585 \cdot 2^{2002589} + 1$	602843	L3035	14	
455	$1059 \cdot 2^{2001821} + 1$	602612	L2103	14	

rank	description	digits	who	year	comment
456	$1115 \cdot 2^{2000291} + 1$	602151	L3588	14	
457	$891 \cdot 2^{2000268} + 1$	602144	L3440	14	
458	$657 \cdot 2^{1998854} + 1$	601718	L2520	13	Divides $GF(1998852, 10)$
459	$573 \cdot 2^{1998232} + 1$	601531	L1300	13	
460	$669 \cdot 2^{1995918} + 1$	600835	L2659	13	
461	$19861029 \cdot 2^{1995311} - 1$	600656	L895	13	
462	$261 \cdot 2^{1995105} + 1$	600589	L3378	13	
463	$1031 \cdot 2^{1994741} + 1$	600480	L2626	14	
464	$577 \cdot 2^{1994634} + 1$	600448	L3035	13	
465	$497 \cdot 2^{1994051} + 1$	600272	L2413	13	
466	$8331405 \cdot 2^{1993674} - 1$	600163	L260	11	
467	$467917 \cdot 2^{1993429} - 1$	600088	L160	05	
468	$137137 \cdot 2^{1993201} - 1$	600019	L321	07	
469	$589 \cdot 2^{1992774} + 1$	599888	L2322	13	
470	$209 \cdot 2^{1992071} + 1$	599676	L3422	13	
471	$547 \cdot 2^{1990606} + 1$	599235	L3173	13	
472	$17 \cdot 2^{1990299} + 1$	599141	g267	06	Divides $GF(1990298, 3)$
473	$105 \cdot 2^{1989208} - 1$	598814	L1959	14	
474	$1019 \cdot 2^{1988959} + 1$	598740	L3514	13	
475	$629 \cdot 2^{1988579} + 1$	598625	L2117	13	
476	$101 \cdot 2^{1988279} + 1$	598534	L3141	13	Divides $GF(1988278, 12)$
477	$733 \cdot 2^{1988086} + 1$	598477	L3502	13	
478	$135 \cdot 2^{1987735} + 1$	598370	L1300	13	
479	$162434 \cdot 5^{856004} - 1$	598327	L3410	13	
480	$749 \cdot 2^{1986977} + 1$	598143	L1492	13	
481	$174344 \cdot 5^{855138} - 1$	597722	L3354	13	
482	$8331405 \cdot 2^{1984565} - 1$	597421	L260	11	
483	$195 \cdot 2^{1983875} - 1$	597209	L1828	14	
484	$445 \cdot 2^{1980900} + 1$	596313	L3577	13	
485	$731 \cdot 2^{1980503} + 1$	596194	L3035	13	
486	$1147 \cdot 2^{1978390} + 1$	595558	L1741	13	
487	$25 \cdot 2^{1977369} - 1$	595249	L426	08	
488	$148323 \cdot 2^{1973319} - 1$	594034	L587	11	
489	$705 \cdot 2^{1972428} + 1$	593763	L3043	13	
490	$549 \cdot 2^{1971183} + 1$	593388	L2840	13	
491	$441 \cdot 2^{1968431} + 1$	592560	L3035	13	
492	$1159 \cdot 2^{1968190} + 1$	592488	L3035	13	
493	$731 \cdot 2^{1968039} + 1$	592442	L3682	13	
494	$833 \cdot 2^{1967841} + 1$	592383	L3744	13	
495	$989 \cdot 2^{1967819} + 1$	592376	L3738	13	
496	$1035 \cdot 2^{1967708} + 1$	592343	L3739	13	
497	$203 \cdot 2^{1966689} + 1$	592035	L1408	13	
498	$273 \cdot 2^{1966630} + 1$	592018	L2532	13	
499	$93 \cdot 2^{1965880} + 1$	591791	L1210	11	
500	$253 \cdot 2^{1965215} - 1$	591592	L3345	12	
501	$1089 \cdot 2^{1964781} + 1$	591462	L3737	13	
502	$1089 \cdot 2^{1964474} + 1$	591369	L3736	13	Generalized Fermat
503	$125 \cdot 2^{1963964} - 1$	591215	L1959	14	
504	$175 \cdot 2^{1962288} + 1$	590710	L2137	13	Divides $GF(1962284, 10)$
505	$113 \cdot 2^{1960341} + 1$	590124	L3091	13	

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506	$57406 \cdot 5^{844253} - 1$	590113	L3313	12	
507	$225 \cdot 2^{1960083} + 1$	590047	L3548	13	Divides $GF(1960078, 6)$
508	$803 \cdot 2^{1959445} + 1$	589855	L2724	13	
509	$1149 \cdot 2^{1957223} + 1$	589186	L1935	13	
510	$129 \cdot 2^{1956915} + 1$	589093	L2826	13	
511	$229 \cdot 2^{1956294} + 1$	588906	L3548	13	
512	$74 \cdot 500^{218184} - 1$	588874	p355	13	
513	$1045 \cdot 2^{1955356} + 1$	588624	L1186	13	
514	$112 \cdot 113^{286643} - 1$	588503	L426	12	
515	$1137 \cdot 2^{1954730} + 1$	588436	L3733	13	
516	$673 \cdot 2^{1954456} + 1$	588353	L3666	13	
517	$121 \cdot 2^{1954243} - 1$	588288	L162	06	
518	$351 \cdot 2^{1954003} + 1$	588217	L2413	13	
519	$641 \cdot 2^{1952941} + 1$	587897	L3487	13	
520	$1173 \cdot 2^{1951169} + 1$	587364	L3171	13	
521	$1101 \cdot 2^{1950812} + 1$	587256	L2719	13	
522	$313 \cdot 2^{1949544} + 1$	586874	L2520	13	
523	$539 \cdot 2^{1949135} + 1$	586751	L1130	13	
524	$111 \cdot 2^{1946322} - 1$	585904	L2484	12	
525	$639 \cdot 2^{1945473} + 1$	585649	L2649	13	
526	$675 \cdot 2^{1945232} + 1$	585577	L3688	13	
527	$417 \cdot 2^{1943755} + 1$	585132	L3173	13	
528	$89 \cdot 2^{1943337} + 1$	585005	L2413	11	
529	$269 \cdot 2^{1942389} + 1$	584720	L3548	13	
530	$1093 \cdot 2^{1941672} + 1$	584505	L2322	13	
531	$193 \cdot 2^{1940804} + 1$	584243	L3418	13	
532	$827 \cdot 2^{1940747} + 1$	584226	L3206	13	
533	$221 \cdot 2^{1940211} + 1$	584065	L2327	13	
534	$575 \cdot 2^{1938673} + 1$	583602	L2019	13	
535	$1179 \cdot 2^{1938570} + 1$	583571	L1300	13	
536	$865 \cdot 2^{1938180} + 1$	583454	L3233	13	
537	$1091 \cdot 2^{1937857} + 1$	583357	L3731	13	
538	$555 \cdot 2^{1937595} + 1$	583277	L2826	13	
539	$9299 \cdot 2^{1937309} + 1$	583193	L3886	14	
540	$239 \cdot 2^{1936025} + 1$	582804	L1741	13	
541	$182627 \cdot 2^{1934664} - 1$	582398	L3336	12	
542	$363 \cdot 2^{1932724} + 1$	581811	L3171	13	
543	$143 \cdot 2^{1932112} - 1$	581626	L1828	12	
544	$48764 \cdot 5^{831946} - 1$	581510	L3313	12	
545	$387 \cdot 2^{1930200} + 1$	581051	L1129	13	
546	$735 \cdot 2^{1929225} + 1$	580758	L3378	13	
547	$214519 \cdot 2^{1929114} + 1$	580727	g346	06	
548	$2 \cdot 47^{346759} + 1$	579816	g424	11	Divides $\Phi(47^{346759}, 2)$
549	$633 \cdot 2^{1925684} + 1$	579692	L1408	13	
550	$1005 \cdot 2^{1923658} + 1$	579082	L3514	13	
551	$243 \cdot 2^{1923567} - 1$	579054	L2055	11	
552	$319 \cdot 2^{1923378} + 1$	578997	L3548	13	
553	$851 \cdot 2^{1922179} + 1$	578637	L3180	13	
554	$625 \cdot 2^{1921056} + 1$	578299	L3378	13	Generalized Fermat
555	$157 \cdot 2^{1920152} + 1$	578026	L2494	13	

rank	description	digits	who	year	comment
556	$133631 \cdot 28^{398790} - 1$	577118	p255	13	
557	$191 \cdot 2^{1916611} + 1$	576960	L1792	13	
558	$1087 \cdot 2^{1916212} + 1$	576841	L2719	13	
559	$1125 \cdot 2^{1915695} + 1$	576685	L3719	13	
560	$207 \cdot 2^{1913067} + 1$	575893	L1741	13	
561	$849 \cdot 2^{1913021} + 1$	575880	L2413	13	
562	$85 \cdot 2^{1910520} + 1$	575126	L2703	11	
563	$267 \cdot 2^{1909876} - 1$	574933	L1828	13	
564	$621 \cdot 2^{1909716} + 1$	574885	L2117	13	
565	$611 \cdot 2^{1909525} + 1$	574828	L2413	13	
566	$435 \cdot 2^{1908579} + 1$	574543	L3385	13	
567	$291 \cdot 2^{1907541} - 1$	574230	L2484	13	
568	$573 \cdot 2^{1907450} + 1$	574203	L2520	13	
569	$969 \cdot 2^{1904357} + 1$	573272	L2719	13	
570	$27 \cdot 2^{1902689} - 1$	572768	L1153	09	
571	$553 \cdot 2^{1902102} + 1$	572593	L2520	13	
572	$633 \cdot 2^{1897632} + 1$	571247	L1741	13	
573	$707 \cdot 2^{1895035} + 1$	570466	L3035	13	
574	$687 \cdot 2^{1891730} + 1$	569471	L3221	13	
575	$87 \cdot 2^{1891391} + 1$	569368	L2673	11	
576	$85287 \cdot 2^{1890011} + 1$	568955	p254	11	
577	$221 \cdot 2^{1889983} + 1$	568944	L1741	13	
578	$585 \cdot 2^{1887819} + 1$	568293	L3171	13	
579	$347 \cdot 2^{1887507} + 1$	568199	L3548	13	
580	$791 \cdot 2^{1885961} + 1$	567734	L3075	13	
581	$975 \cdot 2^{1885724} + 1$	567663	L1129	13	
582	$987 \cdot 2^{1885160} + 1$	567493	L2070	13	
583	$744716047603963 \cdot 2^{1884575} - 1$	567329	L257	13	
584	$485 \cdot 2^{1884579} + 1$	567318	L3548	13	
585	$879 \cdot 2^{1883385} + 1$	566959	L3223	13	
586	$693 \cdot 2^{1881882} + 1$	566506	L2322	13	
587	$639 \cdot 2^{1880451} + 1$	566075	L3141	13	
588	$277 \cdot 2^{1880022} + 1$	565946	L3418	13	
589	$89 \cdot 2^{1879132} - 1$	565678	L1828	13	
590	$441 \cdot 2^{1879067} + 1$	565659	L2840	13	
591	$729 \cdot 2^{1877995} + 1$	565336	L1792	13	
592	$645 \cdot 2^{1877756} + 1$	565264	L2981	13	
593	$613 \cdot 2^{1876758} + 1$	564964	L2413	13	
594	$267 \cdot 2^{1876604} + 1$	564917	L1792	13	
595	$345067 \cdot 2^{1876573} - 1$	564911	g59	05	
596	$1183414 \cdot 3^{1183414} + 1$	564639	L2841	14	Generalized Cullen
597	$1043 \cdot 2^{1875213} + 1$	564499	L2413	13	
598	$1199 \cdot 2^{1874495} + 1$	564283	L2827	13	
599	$495 \cdot 2^{1874077} + 1$	564157	L1344	13	
600	$71 \cdot 2^{1873569} + 1$	564003	L1223	11	Divides $GF(1873568, 5)$
601	$21 \cdot 2^{1872923} - 1$	563808	L2074	12	
602	$735 \cdot 2^{1870118} + 1$	562965	L3075	13	
603	$575 \cdot 2^{1869989} + 1$	562926	L3650	13	
604	$315 \cdot 2^{1869119} - 1$	562664	L2235	12	
605	$933 \cdot 2^{1868602} + 1$	562509	L3709	13	

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606	$503 \cdot 2^{1868417} + 1$	562453	L3378	13	
607	$407 \cdot 2^{1864735} + 1$	561344	L2520	13	
608	$489 \cdot 2^{1864339} + 1$	561225	L2520	13	
609	$427 \cdot 2^{1863702} + 1$	561033	L3586	13	
610	$1161 \cdot 2^{1863637} + 1$	561014	L3213	13	
611	$2 \cdot 3^{1175232} + 1$	560729	p199	10	
612	$13 \cdot 2^{1861732} + 1$	560439	g267	05	Divides $GF(1861731, 6)$
613	$411 \cdot 2^{1861627} + 1$	560409	L1741	13	
614	$103 \cdot 2^{1860103} - 1$	559949	L2484	12	
615	$161 \cdot 2^{1859586} - 1$	559794	L177	13	
616	$51 \cdot 2^{1859193} + 1$	559675	L1204	11	
617	$1177 \cdot 2^{1859144} + 1$	559662	L3625	13	
618	$8331405 \cdot 2^{1858587} - 1$	559498	L260	11	
619	$669 \cdot 2^{1857223} + 1$	559083	L2413	13	
620	$126072 \cdot 31^{374323} - 1$	558257	L2054	12	
621	$333 \cdot 2^{1853115} - 1$	557846	L1830	12	
622	$87 \cdot 2^{1852590} - 1$	557688	L2055	11	
623	$765 \cdot 2^{1849609} + 1$	556791	L1792	13	
624	$137 \cdot 2^{1849238} - 1$	556679	L321	07	
625	$639 \cdot 2^{1848903} + 1$	556579	L3439	13	
626	$261 \cdot 2^{1848217} + 1$	556372	L1983	13	
627	$1011 \cdot 2^{1846173} + 1$	555757	L3221	13	
628	$1029 \cdot 2^{1844975} + 1$	555396	L2626	13	
629	$133 \cdot 2^{1843619} - 1$	554987	L1959	14	
630	$261 \cdot 2^{1843555} - 1$	554968	L1828	13	
631	$953 \cdot 2^{1841461} + 1$	554338	L3612	13	
632	$105 \cdot 2^{1840262} - 1$	553977	L1959	14	
633	$681 \cdot 2^{1839269} + 1$	553678	L3141	13	
634	$779 \cdot 2^{1838955} + 1$	553584	L3640	13	
635	$135 \cdot 2^{1838124} + 1$	553333	L3472	13	
636	$15 \cdot 2^{1837873} - 1$	553257	L632	08	
637	$333 \cdot 2^{1837105} + 1$	553027	L3470	13	
638	$309 \cdot 2^{1836139} + 1$	552736	L3460	13	
639	$423 \cdot 2^{1835585} + 1$	552569	L2873	13	
640	$73 \cdot 2^{1834526} + 1$	552250	L1513	11	
641	$309 \cdot 2^{1834379} + 1$	552206	L3471	13	
642	$87 \cdot 2^{1834098} + 1$	552121	L1513	11	
643	$1485 \cdot 2^{1832651} - 1$	551687	L1134	14	
644	$3 \cdot 2^{1832496} + 1$	551637	p189	07	Divides $GF(1832490, 3)$ , $GF(1832494, 5)$
645	$549 \cdot 2^{1832457} + 1$	551628	L3641	13	
646	$761 \cdot 2^{1831569} + 1$	551361	L2117	13	
647	$519 \cdot 2^{1831415} + 1$	551314	L3277	13	
648	$21 \cdot 2^{1830919} + 1$	551163	g279	04	
649	$197 \cdot 2^{1830255} + 1$	550964	L1360	13	
650	$1021 \cdot 2^{1827279} - 1$	550069	L1828	13	
651	$825 \cdot 2^{1825439} + 1$	549515	L3289	13	
652	$679 \cdot 2^{1824918} + 1$	549358	L2100	13	
653	$39 \cdot 2^{1824871} + 1$	549343	L2664	11	Divides $GF(1824867, 6)$
654	$162668 \cdot 5^{785748} - 1$	549220	L3190	12	

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655	$389 \cdot 2^{1824385} + 1$	549198	L1487	13	
656	$1135 \cdot 2^{1824103} - 1$	549113	L1828	13	
657	$991 \cdot 2^{1822216} + 1$	548545	L1312	13	
658	$1089 \cdot 2^{1821417} + 1$	548305	L1741	13	
659	$993 \cdot 2^{1821088} + 1$	548206	L2131	13	
660	$513 \cdot 2^{1820982} + 1$	548173	L2826	13	
661	$933 \cdot 2^{1820068} + 1$	547899	L2895	13	
662	$921 \cdot 2^{1819560} + 1$	547746	L1741	13	
663	$557 \cdot 2^{1819191} + 1$	547634	L2526	13	
664	$593 \cdot 2^{1818825} + 1$	547524	L3630	13	
665	$1161 \cdot 2^{1818637} + 1$	547468	L2399	13	
666	$1387 \cdot 2^{1818593} - 1$	547455	L1828	12	
667	$875 \cdot 2^{1818427} + 1$	547405	L3035	13	
668	$229 \cdot 2^{1818078} + 1$	547299	L3456	13	
669	$127 \cdot 2^{1817862} + 1$	547234	L3452	13	
670	$35 \cdot 2^{1817486} - 1$	547120	L2074	11	
671	$1155 \cdot 2^{1816779} - 1$	546909	L1828	12	
672	$69 \cdot 2^{1816739} + 1$	546895	L1204	11	
673	$875 \cdot 2^{1814911} + 1$	546346	L3691	13	
674	$1029 \cdot 2^{1813839} + 1$	546023	L3378	13	
675	$555 \cdot 2^{1813556} + 1$	545938	L3233	13	
676	$33 \cdot 2^{1813526} - 1$	545928	L621	08	
677	$1347 \cdot 2^{1813433} - 1$	545901	L1828	12	
678	$1143 \cdot 2^{1813125} + 1$	545809	L3514	13	
679	$1197 \cdot 2^{1811852} + 1$	545425	L3035	13	
680	$693 \cdot 2^{1811517} + 1$	545324	L2967	13	
681	$1099 \cdot 2^{1810686} + 1$	545074	L3458	13	
682	$1305 \cdot 2^{1809766} - 1$	544797	L1828	11	
683	$1185 \cdot 2^{1809466} - 1$	544707	L1828	11	
684	$659 \cdot 2^{1808691} + 1$	544474	L3625	13	
685	$145 \cdot 2^{1807767} - 1$	544195	L840	13	
686	$9 \cdot 2^{1807574} + 1$	544135	L2419	11	Generalized Fermat
687	$375 \cdot 2^{1806591} + 1$	543841	L3233	13	
688	$889 \cdot 2^{1806470} + 1$	543805	L2967	13	
689	$1033 \cdot 2^{1805844} + 1$	543617	L1502	13	
690	$981 \cdot 2^{1805368} + 1$	543473	L2413	13	
691	$915 \cdot 2^{1805031} + 1$	543372	L1741	13	
692	$691 \cdot 2^{1804332} + 1$	543161	L3625	13	
693	$385 \cdot 2^{1802362} + 1$	542568	L3279	13	
694	$661 \cdot 2^{1802024} + 1$	542467	L2967	13	
695	$985 \cdot 2^{1801582} + 1$	542334	L3035	13	
696	$301 \cdot 2^{1801207} - 1$	542220	p281	10	
697	$1193 \cdot 2^{1801112} - 1$	542192	L1828	11	
698	$417643 \cdot 2^{1800787} - 1$	542097	L134	05	
699	$1045 \cdot 2^{1800784} + 1$	542094	L3141	13	
700	$1045 \cdot 2^{1800025} - 1$	541865	L1828	11	
701	$43 \cdot 2^{1799016} + 1$	541560	L2562	11	
702	$4079 \cdot 2^{1798192} - 1$	541314	L1959	14	
703	$1047 \cdot 2^{1797890} + 1$	541222	L3473	13	
704	$319 \cdot 2^{1797261} - 1$	541032	L1819	13	

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705	$1103 \cdot 2^{1796969} + 1$	540945	L2826	13	
706	$43 \cdot 2^{1795628} + 1$	540540	L1129	11	
707	$423 \cdot 2^{1794546} + 1$	540215	L3131	13	
708	$105 \cdot 2^{1793519} - 1$	539906	L1959	14	
709	$1103 \cdot 2^{1792513} + 1$	539604	L3262	13	
710	$431 \cdot 2^{1791441} + 1$	539281	L3453	13	
711	$607 \cdot 2^{1790196} + 1$	538906	L346	13	
712	$1059 \cdot 2^{1789353} + 1$	538652	L1130	13	
713	$975 \cdot 2^{1789341} + 1$	538649	L2085	13	
714	$273 \cdot 2^{1788926} - 1$	538523	L1828	13	
715	$289184 \cdot 5^{770116} - 1$	538294	p353	12	
716	$441 \cdot 2^{1787789} + 1$	538181	L1209	13	
717	$565 \cdot 2^{1787136} + 1$	537985	L1512	13	
718	$247 \cdot 2^{1786968} + 1$	537934	L2533	13	
719	$227 \cdot 2^{1786779} + 1$	537877	L2058	13	
720	$11812 \cdot 5^{769343} - 1$	537752	p341	12	
721	$933 \cdot 2^{1786320} + 1$	537739	L1505	13	
722	$507 \cdot 2^{1786194} + 1$	537701	L3422	13	
723	$921 \cdot 2^{1785808} + 1$	537585	L3262	13	
724	$1187 \cdot 2^{1785707} + 1$	537555	L1753	13	
725	$63 \cdot 2^{1784498} + 1$	537190	L1415	11	
726	$231 \cdot 2^{1783821} + 1$	536986	L3262	13	
727	$575 \cdot 2^{1781313} + 1$	536232	L3262	13	
728	$883 \cdot 2^{1780324} + 1$	535934	L2963	13	
729	$45 \cdot 2^{1779971} + 1$	535827	L1223	11	Divides $GF(1779969, 5)$
730	$357659 \cdot 2^{1779748} - 1$	535764	L47	05	
731	$1061 \cdot 2^{1779595} + 1$	535715	L3445	13	
732	$455 \cdot 2^{1779315} + 1$	535630	L2121	13	
733	$863 \cdot 2^{1778737} + 1$	535457	L1505	13	
734	$316594 \cdot 5^{766005} - 1$	535421	L3157	12	
735	$99 \cdot 2^{1777688} - 1$	535140	L1862	11	
736	$5 \cdot 2^{1777515} + 1$	535087	p148	05	Divides $GF(1777511, 5)$ , $GF(1777514, 6)$
737	$511 \cdot 2^{1777488} + 1$	535080	L2873	13	
738	$243 \cdot 2^{1777467} - 1$	535074	L2055	11	
739	$177 \cdot 2^{1775674} - 1$	534534	L2101	12	
740	$293 \cdot 2^{1775450} - 1$	534467	L2074	14	
741	$129 \cdot 2^{1774709} + 1$	534243	L2526	13	Divides $GF(1774705, 12)$
742	$163 \cdot 2^{1771524} + 1$	533285	L1741	13	
743	$381 \cdot 2^{1771493} + 1$	533276	L3444	13	
744	$795 \cdot 2^{1770840} + 1$	533079	L1505	13	
745	$665 \cdot 2^{1769303} + 1$	532617	L3441	13	
746	$473 \cdot 2^{1769101} + 1$	532556	L3459	13	
747	$855 \cdot 2^{1768644} + 1$	532418	L1675	13	
748	$99 \cdot 2^{1768187} + 1$	532280	L2517	11	
749	$273 \cdot 2^{1766747} - 1$	531847	L1828	13	
750	$191 \cdot 2^{1766221} + 1$	531688	L2539	13	
751	$190088 \cdot 5^{760352} - 1$	531469	L2841	12	Generalized Woodall
752	$35 \cdot 2^{1765449} + 1$	531455	L1204	11	
753	$981 \cdot 2^{1765221} + 1$	531388	L1204	13	



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754	$255 \cdot 2^{1765113} + 1$	531355	L2085	13	
755	$65 \cdot 2^{1764687} + 1$	531226	L1125	11	
756	$717 \cdot 2^{1763367} + 1$	530830	L3440	13	
757	$16193 \cdot 2^{395119} - 1$	530421	p255	13	
758	$531 \cdot 2^{1761689} + 1$	530324	L3458	13	
759	$963 \cdot 2^{1761050} + 1$	530132	L1204	13	
760	$969 \cdot 2^{1759430} + 1$	529645	L3262	13	
761	$119 \cdot 2^{1759247} + 1$	529589	L3035	13	
762	$2 \cdot 191^{232149} + 1$	529540	g424	11	Divides $\Phi(191^{232149}, 2)$
763	$417 \cdot 2^{1759055} + 1$	529531	L2623	13	
764	$787 \cdot 2^{1757702} + 1$	529124	L3436	13	
765	$57 \cdot 2^{1756702} + 1$	528822	L1741	11	
766	$135 \cdot 2^{1756478} + 1$	528755	L3127	13	
767	$855 \cdot 2^{1756269} + 1$	528693	L2636	13	
768	$603 \cdot 2^{1756142} + 1$	528655	L3175	13	
769	$71 \cdot 2^{1755965} + 1$	528600	L1741	11	
770	$485 \cdot 2^{1755887} + 1$	528578	L3262	13	
771	$31 \cdot 2^{1755317} - 1$	528405	L330	11	
772	$955 \cdot 2^{1755312} + 1$	528405	L1741	13	
773	$161 \cdot 2^{1754223} + 1$	528076	L3014	13	
774	$5077 \cdot 2^{1753317} - 1$	527805	L251	08	
775	$387 \cdot 2^{1752919} + 1$	527684	L2636	13	
776	$65 \cdot 2^{1752885} + 1$	527673	L1204	11	
777	$363 \cdot 2^{1752116} + 1$	527443	L2085	13	
778	$641 \cdot 2^{1751823} + 1$	527355	L3459	13	
779	$261 \cdot 2^{1751160} + 1$	527155	L3192	13	
780	$1179 \cdot 2^{1750847} + 1$	527061	g387	09	
781	$340168 \cdot 5^{753789} - 1$	526882	p323	12	
782	$183 \cdot 2^{1747660} + 1$	526101	L2163	13	Divides Fermat $F(1747656)$
783	$265 \cdot 2^{1745450} + 1$	525436	L3423	13	
784	$297 \cdot 2^{1745377} - 1$	525414	L2074	14	
785	$495 \cdot 2^{1744183} + 1$	525055	L1933	13	
786	$327 \cdot 2^{1743751} + 1$	524924	L1130	13	
787	$415 \cdot 2^{1743176} + 1$	524751	L3428	13	
788	$695 \cdot 2^{1742755} + 1$	524625	L1741	13	
789	$243 \cdot 2^{1742689} + 1$	524605	L1204	13	
790	$345 \cdot 2^{1742652} - 1$	524594	L1830	12	
791	$867 \cdot 2^{1742474} + 1$	524540	L3188	13	
792	$91 \cdot 2^{1742093} - 1$	524425	L2338	12	
793	$905 \cdot 2^{1742026} - 1$	524406	L2012	14	
794	$315 \cdot 2^{1741334} - 1$	524197	L1830	12	
795	$525 \cdot 2^{1740056} + 1$	523812	L1204	13	
796	$319 \cdot 2^{1740047} - 1$	523809	L1819	13	
797	$357 \cdot 2^{1739732} + 1$	523715	L3427	13	
798	$687 \cdot 2^{1739343} + 1$	523598	L2117	13	
799	$627 \cdot 2^{1738864} + 1$	523454	L2117	13	
800	$95 \cdot 2^{1738427} + 1$	523321	L2085	11	
801	$793 \cdot 2^{1738400} + 1$	523314	L3035	13	
802	$729 \cdot 2^{1737901} + 1$	523164	L2603	13	
803	$1065 \cdot 2^{1736222} + 1$	522658	L1204	13	

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804	$573 \cdot 2^{1735454} + 1$	522427	L2675	13	
805	$545 \cdot 2^{1735043} + 1$	522303	L2131	13	
806	$61 \cdot 2^{1734983} - 1$	522284	L2055	11	
807	$6 \cdot 10^{522127} + 1$	522128	p342	12	
808	$1113 \cdot 2^{1733627} - 1$	521877	L1828	14	
809	$741 \cdot 2^{1733507} + 1$	521841	L2549	13	
810	$471 \cdot 2^{1732587} + 1$	521564	L2085	13	
811	$547 \cdot 2^{1731248} + 1$	521161	L2873	13	
812	$55 \cdot 2^{1729777} - 1$	520717	L2074	13	
813	$421 \cdot 2^{1729092} + 1$	520512	L3234	13	
814	$193 \cdot 2^{1728894} + 1$	520452	L3175	13	
815	$213 \cdot 2^{1728847} - 1$	520438	L1863	14	
816	$341 \cdot 2^{1728697} + 1$	520393	L2981	13	
817	$213 \cdot 2^{1728569} + 1$	520354	L2520	13	
818	$277 \cdot 2^{1728302} + 1$	520274	L1130	13	
819	$997 \cdot 2^{1728146} + 1$	520227	L1595	13	
820	$929 \cdot 2^{1728099} + 1$	520213	L1745	13	
821	$879 \cdot 2^{1727602} + 1$	520063	L1935	13	
822	$338948 \cdot 5^{743996} - 1$	520037	p352	12	
823	$600921 \cdot 2^{1727190} - 1$	519942	g337	13	
824	$597 \cdot 2^{1726268} + 1$	519662	L2520	13	
825	$1151 \cdot 2^{1726187} + 1$	519638	L3262	13	
826	$813 \cdot 2^{1725925} + 1$	519559	L3171	13	
827	$729 \cdot 2^{1724434} + 1$	519110	L1484	13	Generalized Fermat
828	$615 \cdot 2^{1724209} + 1$	519042	L2967	13	
829	$1089 \cdot 2^{1723121} - 1$	518715	L1828	14	
830	$547 \cdot 2^{1723020} + 1$	518684	L1745	13	
831	$253 \cdot 2^{1722623} - 1$	518564	L145	07	
832	$2 \cdot 3^{1086112} + 1$	518208	p199	10	
833	$113 \cdot 2^{1721438} - 1$	518207	L2484	11	
834	$1299 \cdot 2^{1721369} - 1$	518187	L1828	14	
835	$1195 \cdot 2^{1720342} + 1$	517878	L1935	13	
836	$465 \cdot 2^{1720310} + 1$	517868	L2938	13	
837	$1159 \cdot 2^{1719862} + 1$	517734	L3035	13	
838	$545 \cdot 2^{1719517} + 1$	517629	L2583	13	
839	$235 \cdot 2^{1718787} - 1$	517409	L2444	14	
840	$897 \cdot 2^{1716807} + 1$	516814	L2322	13	
841	$1307 \cdot 2^{1716556} - 1$	516738	L1828	14	
842	$1017 \cdot 2^{1715060} + 1$	516288	L1204	13	
843	$423 \cdot 2^{1714680} + 1$	516173	L1204	13	
844	$975 \cdot 2^{1714004} + 1$	515970	L2117	12	
845	$1101 \cdot 2^{1712807} + 1$	515610	L1935	12	
846	$1485 \cdot 2^{1711331} - 1$	515166	L1134	14	
847	$1029 \cdot 2^{1711100} - 1$	515096	L1828	14	
848	$491 \cdot 2^{1710497} + 1$	514914	L3271	13	
849	$237 \cdot 2^{1710490} + 1$	514912	L1408	13	
850	$833 \cdot 2^{1708797} + 1$	514403	L1935	12	
851	$1035 \cdot 2^{1708648} + 1$	514358	L2973	12	
852	$333 \cdot 2^{1708106} + 1$	514194	L3154	13	
853	$18656 \cdot 5^{735326} - 1$	513976	p280	12	

rank	description	digits	who	year	comment
854	$935 \cdot 2^{1707129} + 1$	513901	L1300	12	
855	$889 \cdot 2^{1707094} + 1$	513890	L3262	12	
856	$267 \cdot 2^{1705793} - 1$	513498	L1828	13	
857	$291 \cdot 2^{1705173} - 1$	513311	L2484	13	
858	$165 \cdot 2^{1705093} + 1$	513287	L1158	13	
859	$109 \cdot 2^{1704658} + 1$	513156	L1751	12	
860	$727 \cdot 2^{1704196} + 1$	513017	L1741	12	
861	$2 \cdot 3^{1074726} + 1$	512775	p199	10	
862	$165 \cdot 2^{1703392} + 1$	512775	L2131	13	
863	$1195 \cdot 2^{1703221} - 1$	512724	L1828	14	
864	$313 \cdot 2^{1703119} - 1$	512693	L1809	13	
865	$855 \cdot 2^{1703065} + 1$	512677	L1741	12	
866	$283 \cdot 2^{1702599} - 1$	512536	L426	10	
867	$851 \cdot 2^{1702569} + 1$	512528	L3344	12	
868	$1057 \cdot 2^{1701973} - 1$	512348	L1828	14	
869	$1071 \cdot 2^{1701792} + 1$	512294	L3343	12	
870	$1005 \cdot 2^{1700883} - 1$	512020	L1828	14	
871	$233 \cdot 2^{1700734} - 1$	511975	L426	10	
872	$1642 \cdot 30^{346592} - 1$	511962	p268	12	
873	$927 \cdot 2^{1699446} + 1$	511588	L1741	12	
874	$657 \cdot 2^{1699031} + 1$	511463	L3261	12	
875	$1065 \cdot 2^{1698303} + 1$	511244	L1741	12	
876	$561 \cdot 2^{1697783} + 1$	511087	L1360	12	
877	$5 \cdot 10^{511056} - 1$	511057	p297	11	Near-repdigit
878	$1193 \cdot 2^{1696600} - 1$	510731	L1828	14	
879	$259 \cdot 2^{1695723} - 1$	510466	L2444	14	
880	$121 \cdot 2^{1695499} - 1$	510399	L62	05	
881	$883 \cdot 2^{1694710} + 1$	510162	L1204	12	
882	$985 \cdot 2^{1694268} + 1$	510029	L3167	12	
883	$405 \cdot 2^{1693765} + 1$	509877	L1741	13	
884	$873 \cdot 2^{1692706} + 1$	509559	L1980	12	
885	$299 \cdot 2^{1692271} + 1$	509427	L1741	13	
886	$993 \cdot 2^{1691212} + 1$	509109	L3262	12	
887	$1369 \cdot 2^{1690781} - 1$	508979	L1828	14	
888	$395 \cdot 2^{1690690} - 1$	508951	L1819	13	
889	$217 \cdot 2^{1690664} + 1$	508943	L3412	13	
890	$599 \cdot 2^{1687659} + 1$	508039	L3262	12	
891	$20049 \cdot 2^{1687252} - 1$	507918	L1471	11	
892	$915 \cdot 2^{1686699} + 1$	507750	L2520	12	
893	$2 \cdot 3^{1063844} - 1$	507583	L426	12	
894	$63 \cdot 2^{1686050} + 1$	507554	L2085	11	Divides $GF(1686047, 12)$
895	$1191 \cdot 2^{1686001} + 1$	507540	L1935	12	
896	$693 \cdot 2^{1685544} + 1$	507403	L1354	12	
897	$339 \cdot 2^{1685135} + 1$	507279	L1595	13	
898	$19 \cdot 2^{1684813} - 1$	507181	L503	08	
899	$133 \cdot 2^{1684616} + 1$	507123	L2826	13	
900	$110059! + 1$	507082	p312	11	Factorial
901	$1119 \cdot 2^{1684471} - 1$	507080	L1828	14	
902	$415 \cdot 2^{1684046} + 1$	506951	L1990	13	
903	$1004 \cdot 133^{238300} - 1$	506117	p289	13	

rank	description	digits	who	year	comment
904	$249 \cdot 2^{1681039} + 1$	506046	L1741	13	
905	$5374 \cdot 5^{723697} - 1$	505847	p351	12	
906	$555 \cdot 2^{1679952} + 1$	505719	L3262	12	
907	$193 \cdot 2^{1679938} + 1$	505715	L1741	13	
908	$357 \cdot 2^{1679872} + 1$	505695	L3139	13	
909	$309 \cdot 2^{1679867} + 1$	505693	L2675	13	
910	$985 \cdot 2^{1679754} + 1$	505660	L1741	12	
911	$1065 \cdot 2^{1679402} + 1$	505554	L3262	12	
912	$1109 \cdot 2^{1677760} - 1$	505060	L1828	14	
913	$139 \cdot 666^{178851} - 1$	504984	L2054	11	
914	$559 \cdot 2^{1677446} + 1$	504965	L3262	12	
915	$411 \cdot 2^{1677196} + 1$	504889	L2734	13	
916	$905 \cdot 2^{1677085} + 1$	504856	L3249	12	
917	$60357 \cdot 2^{1676907} + 1$	504805	L587	11	
918	$567 \cdot 2^{1676783} + 1$	504765	L1576	12	
919	$255 \cdot 2^{1675403} + 1$	504349	L1741	13	
920	$95 \cdot 2^{1674777} + 1$	504161	L1224	11	
921	$1043 \cdot 2^{1674573} + 1$	504100	L3338	12	
922	$699 \cdot 2^{1674293} + 1$	504016	L2366	12	
923	$1355 \cdot 2^{1674156} - 1$	503975	L1828	14	
924	$93 \cdot 2^{1673893} + 1$	503894	L2085	11	
925	$173 \cdot 2^{1673881} + 1$	503891	L3234	13	
926	$1333 \cdot 2^{1673867} - 1$	503888	L1828	14	
927	$879 \cdot 2^{1672525} + 1$	503484	L1741	12	
928	$987 \cdot 2^{1672475} + 1$	503469	L1745	12	
929	$1193 \cdot 2^{1672244} - 1$	503399	L1828	14	
930	$847 \cdot 2^{1670014} + 1$	502728	L3173	12	
931	$141 \cdot 2^{1669965} + 1$	502712	L3294	13	
932	$55 \cdot 2^{1669798} + 1$	502662	L2518	11	Divides $GF(1669797, 12)$
933	$1089 \cdot 2^{1669361} + 1$	502531	L1584	12	
934	$161 \cdot 2^{1668927} + 1$	502400	L2520	13	
935	$525 \cdot 2^{1668316} + 1$	502216	L3221	12	
936	$15 \cdot 2^{1667744} + 1$	502043	g279	07	
937	$2^{1667321} - 2^{833661} + 1$	501914	L137	11	Gaussian Mersenne norm 38?
938	$195 \cdot 2^{1667115} - 1$	501854	L1828	14	
939	$149183 \cdot 2^{1666957} + 1$	501810	g346	05	
940	$205 \cdot 2^{1666435} - 1$	501650	L2444	14	
941	$99 \cdot 2^{1665995} + 1$	501517	L2121	11	
942	$403 \cdot 2^{1664194} + 1$	500975	L2626	13	
943	$233 \cdot 2^{1662513} + 1$	500469	L3035	13	
944	$441 \cdot 2^{1662069} + 1$	500336	L3113	13	
945	$533 \cdot 2^{1660425} + 1$	499841	L2117	12	
946	$825 \cdot 2^{1660087} + 1$	499739	L2366	12	
947	$63 \cdot 2^{1659338} - 1$	499513	L503	08	
948	$521 \cdot 2^{1659077} + 1$	499435	L3262	12	
949	$393 \cdot 2^{1658625} + 1$	499299	L3409	13	
950	$239 \cdot 30^{337990} - 1$	499255	p268	12	
951	$171 \cdot 2^{1658303} + 1$	499202	L1300	13	
952	$257 \cdot 2^{1658254} - 1$	499187	L2444	14	
953	$1323 \cdot 2^{1655130} - 1$	498247	L1828	14	

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954	$297 \cdot 2^{1655042} - 1$	498220	L2074	13	
955	$61 \cdot 2^{1654383} - 1$	498021	L503	08	
956	$1047 \cdot 2^{1653096} + 1$	497635	L1792	12	
957	$1163 \cdot 2^{1652438} - 1$	497437	L1828	14	
958	$68 \cdot 23^{365239} + 1$	497358	p261	09	
959	$499 \cdot 2^{1651814} + 1$	497249	L1842	13	
960	$1119 \cdot 2^{1651684} - 1$	497210	L1828	14	
961	$689 \cdot 2^{1651563} + 1$	497173	L1204	12	
962	$143 \cdot 2^{1650689} + 1$	496910	L1751	12	
963	$785 \cdot 2^{1650459} + 1$	496841	L2876	12	
964	$1023 \cdot 2^{1649882} - 1$	496667	L1828	14	
965	$233 \cdot 2^{1649741} + 1$	496624	L3405	13	
966	$183 \cdot 2^{1649506} + 1$	496554	L2520	13	
967	$69 \cdot 2^{1649423} - 1$	496528	L621	08	
968	$925 \cdot 2^{1649360} + 1$	496510	L3262	12	
969	$469949 \cdot 2^{1649228} - 1$	496473	L160	07	
970	$1383 \cdot 2^{1648494} - 1$	496250	L1828	14	
971	$295 \cdot 2^{1648168} + 1$	496151	L2826	13	
972	$1071 \cdot 2^{1647962} - 1$	496090	L1828	14	
973	$309 \cdot 2^{1647947} - 1$	496084	L2028	12	
974	$209 \cdot 2^{1647640} - 1$	495992	L2338	12	
975	$199 \cdot 2^{1647595} - 1$	495978	L2074	14	
976	$445 \cdot 2^{1646888} + 1$	495766	L1300	13	
977	$331 \cdot 2^{1646668} + 1$	495699	L2241	13	
978	$49 \cdot 2^{1646042} + 1$	495510	L2516	11	Generalized Fermat
979	$31347 \cdot 2^{1645868} + 1$	495461	L3886	14	
980	$72532 \cdot 5^{708453} - 1$	495193	p341	12	
981	$81 \cdot 2^{1643428} + 1$	494724	g418	09	Generalized Fermat
982	$771 \cdot 2^{1643321} + 1$	494692	L1741	12	
983	$933 \cdot 2^{1642574} + 1$	494468	L2826	12	
984	$1101 \cdot 2^{1641145} - 1$	494037	L1828	14	
985	$1035092 \cdot 3^{1035092} - 1$	493871	L3544	13	Generalized Woodall
986	$265 \cdot 2^{1639448} + 1$	493526	L2322	13	
987	$315 \cdot 2^{1639432} - 1$	493521	L1827	11	
988	$251048373 \cdot 2^{1638322} + 1$	493193	p221	09	
989	$125522417 \cdot 2^{1638323} + 1$	493193	p221	09	
990	$250171825 \cdot 2^{1638322} + 1$	493193	p221	09	
991	$1000628481 \cdot 2^{1638320} + 1$	493193	p221	09	
992	$531 \cdot 2^{1637465} + 1$	492929	L2322	12	
993	$179 \cdot 2^{1636808} - 1$	492731	L2444	14	
994	$1135 \cdot 2^{1635787} - 1$	492425	L1828	14	
995	$765 \cdot 2^{1635531} + 1$	492347	L3035	12	
996	$871 \cdot 2^{1635488} + 1$	492334	L3108	12	
997	$169 \cdot 2^{1635086} + 1$	492213	L1130	13	Generalized Fermat
998	$277 \cdot 2^{1634878} + 1$	492150	L1300	13	
999	$971 \cdot 2^{1633735} + 1$	491807	L2735	12	
1000	$645 \cdot 2^{1633521} + 1$	491742	L3035	12	
1001	$1185 \cdot 2^{1632895} + 1$	491554	L2989	12	
1002	$267 \cdot 2^{1632893} - 1$	491553	L1828	13	
1003	$539 \cdot 2^{1632705} + 1$	491496	L3237	12	

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1004	$53 \cdot 2^{1632590} - 1$	491461	L2055	11	
1005	$675 \cdot 2^{1632285} + 1$	491370	L3260	12	
1006	$937 \cdot 2^{1632080} + 1$	491309	L3221	12	
1007	$213 \cdot 2^{1632054} - 1$	491300	L1863	14	
1008	$1245 \cdot 2^{1629370} - 1$	490493	L1828	14	
1009	$321 \cdot 2^{1629307} + 1$	490473	L2981	13	
1010	$267 \cdot 2^{1629148} - 1$	490425	L1828	13	
1011	$555 \cdot 2^{1629059} + 1$	490399	L1741	12	
1012	$907 \cdot 2^{1628548} + 1$	490245	L2826	12	
1013	$69 \cdot 2^{1628378} + 1$	490193	L2507	11	
1014	$113 \cdot 2^{1627496} - 1$	489928	L2484	11	
1015	$63 \cdot 2^{1626259} - 1$	489555	L1828	11	
1016	$63 \cdot 2^{1625970} + 1$	489468	L1135	11	
1017	$975 \cdot 2^{1624794} + 1$	489115	L2085	12	
1018	$715 \cdot 2^{1624000} + 1$	488876	L3335	12	
1019	$897 \cdot 2^{1623927} + 1$	488854	L3173	12	
1020	$1107 \cdot 2^{1622806} - 1$	488517	L1828	14	
1021	$651 \cdot 2^{1621489} + 1$	488120	L3141	12	
1022	$939 \cdot 2^{1621215} + 1$	488038	L3312	12	
1023	$1179 \cdot 2^{1621053} - 1$	487989	L1828	14	
1024	$225 \cdot 2^{1620601} - 1$	487852	L2074	13	
1025	$913 \cdot 2^{1619004} + 1$	487372	L3167	12	
1026	$269 \cdot 2^{1618877} + 1$	487333	L1741	13	
1027	$183 \cdot 2^{1618775} - 1$	487303	L384	14	
1028	$117 \cdot 2^{1618434} - 1$	487200	L384	14	
1029	$2 \cdot 626^{174203} + 1$	487172	L1471	11	
1030	$495 \cdot 2^{1616716} + 1$	486683	L2967	13	
1031	$825 \cdot 2^{1616204} + 1$	486529	L3014	12	
1032	$87 \cdot 2^{1616138} - 1$	486508	L1828	11	
1033	$1039 \cdot 2^{1616090} + 1$	486495	L3173	12	
1034	$1305 \cdot 2^{1616072} - 1$	486490	L1828	14	
1035	$357 \cdot 2^{1615655} + 1$	486364	L3422	13	
1036	$39 \cdot 2^{1612681} + 1$	485467	L1379	11	
1037	$395 \cdot 2^{1611672} - 1$	485165	L1819	13	
1038	$31 \cdot 2^{1611311} - 1$	485055	L330	10	
1039	$713 \cdot 2^{1610773} + 1$	484894	L3110	12	
1040	$133 \cdot 2^{1609799} - 1$	484600	L1959	14	
1041	$459 \cdot 2^{1609603} + 1$	484542	L2787	13	
1042	$1017 \cdot 2^{1609428} - 1$	484490	L1828	14	
1043	$569 \cdot 2^{1608879} + 1$	484324	L333	12	
1044	$521 \cdot 2^{1608779} + 1$	484294	L2051	12	
1045	$1041 \cdot 2^{1607579} - 1$	483933	L1828	14	
1046	$81 \cdot 2^{1606848} + 1$	483712	gt	07	Generalized Fermat
1047	$1291 \cdot 2^{1606629} - 1$	483647	L1828	14	
1048	$465 \cdot 2^{1606272} + 1$	483539	L2826	13	
1049	$1113 \cdot 2^{1606260} - 1$	483536	L1828	14	
1050	$1109 \cdot 2^{1606173} + 1$	483510	L1935	12	
1051	$288 \cdot 706^{169692} + 1$	483422	p268	13	
1052	$183 \cdot 2^{1605657} + 1$	483354	L2085	13	
1053	$486 \cdot 187^{212627} + 1$	483058	p289	12	

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1054	$48 \cdot 580^{174782} - 1$	483000	p355	13	
1055	$1009 \cdot 2^{1602478} + 1$	482397	L1300	12	
1056	$2 \cdot 3^{1010743} - 1$	482248	L426	11	
1057	$959 \cdot 2^{1600467} + 1$	481792	L1745	12	
1058	$1305 \cdot 2^{1600351} - 1$	481757	L1828	14	
1059	$1073 \cdot 2^{1600077} + 1$	481675	L3110	12	
1060	$335 \cdot 2^{1597932} - 1$	481028	L3844	14	
1061	$555 \cdot 2^{1597517} + 1$	480904	L2366	12	
1062	$15 \cdot 2^{1597510} + 1$	480900	g279	06	
1063	$305 \cdot 2^{1597089} + 1$	480775	L2520	13	
1064	$216290 \cdot 167^{216290} - 1$	480757	L2777	12	Generalized Woodall
1065	$235 \cdot 2^{1596836} + 1$	480698	L2085	13	
1066	$391 \cdot 2^{1596805} - 1$	480689	L3870	14	
1067	$1033 \cdot 2^{1596708} + 1$	480661	L3173	12	
1068	$135 \cdot 2^{1596454} + 1$	480583	L2532	13	
1069	$1151 \cdot 2^{1596226} - 1$	480515	L1828	14	
1070	$659 \cdot 2^{1595363} + 1$	480255	L1935	12	
1071	$315 \cdot 2^{1595314} + 1$	480240	L3397	13	
1072	$69 \cdot 2^{1595083} + 1$	480170	L2085	11	
1073	$1163 \cdot 2^{1594568} - 1$	480016	L1828	14	
1074	$1113 \cdot 2^{1594402} + 1$	479966	L1300	12	
1075	$58753 \cdot 2^{1594323} - 1$	479944	p190	06	
1076	$555 \cdot 2^{1593788} + 1$	479781	L3035	12	
1077	$481 \cdot 2^{1593660} + 1$	479743	L1204	13	
1078	$1197 \cdot 2^{1593401} - 1$	479665	L1828	14	
1079	$1147 \cdot 2^{1593256} + 1$	479621	L3035	12	
1080	$737 \cdot 2^{1592724} - 1$	479461	L191	06	
1081	$79 \cdot 2^{1592422} + 1$	479369	L1885	11	
1082	$853 \cdot 2^{1592254} + 1$	479320	L3035	12	
1083	$110413 \cdot 2^{1591999} - 1$	479245	L111	05	
1084	$99 \cdot 2^{1591984} - 1$	479237	L282	09	
1085	$1179 \cdot 2^{1591362} + 1$	479051	g387	06	
1086	$875 \cdot 2^{1591229} + 1$	479011	L3221	12	
1087	$1377 \cdot 2^{1591036} - 1$	478953	L1828	14	
1088	$65623 \cdot 2^{1590940} + 1$	478926	L3886	14	
1089	$135 \cdot 2^{1590711} + 1$	478854	L1204	13	
1090	$1227 \cdot 2^{1590433} - 1$	478772	L1828	14	
1091	$279 \cdot 2^{1590369} - 1$	478752	L1828	13	
1092	$1135 \cdot 2^{1590353} - 1$	478748	L1828	14	
1093	$121 \cdot 2^{1589157} - 1$	478387	L65	05	
1094	$285 \cdot 2^{1588353} + 1$	478145	L1733	13	
1095	$1281 \cdot 2^{1587882} - 1$	478004	L1828	14	
1096	$263 \cdot 2^{1587302} - 1$	477828	L2101	12	
1097	$289 \cdot 2^{1587151} - 1$	477783	L1828	11	
1098	$1197 \cdot 2^{1587140} + 1$	477780	L3260	12	
1099	$1950221 \cdot 2^{65536} + 1$	477763	p160	05	Generalized Fermat
1100	$1191 \cdot 2^{1586696} + 1$	477647	L2876	12	
1101	$1039 \cdot 2^{1586474} + 1$	477580	L1502	12	
1102	$261 \cdot 2^{1586347} + 1$	477541	L3237	13	
1103	$1221 \cdot 2^{1585485} - 1$	477282	L1828	14	

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1104	$277 \cdot 2^{1584740} + 1$	477057	L1502	13	
1105	$1908 \cdot 2^{2355313} + 1$	476984	L1471	13	
1106	$1017 \cdot 2^{1584225} - 1$	476903	L1828	14	
1107	$393 \cdot 2^{1583890} - 1$	476801	L3844	14	
1108	$763 \cdot 2^{1583512} + 1$	476688	L1935	12	
1109	$277 \cdot 2^{1583097} - 1$	476563	L2484	13	
1110	$855 \cdot 2^{1582921} + 1$	476510	L3035	12	
1111	$1098133\# - 1$	476311	p346	12	Primorial
1112	$(2^{64} - 189) \cdot 10^{476124} + 1$	476144	p342	13	
1113	$311 \cdot 2^{1581686} - 1$	476138	L623	09	
1114	$87 \cdot 2^{1580858} + 1$	475888	L2487	11	Divides $GF(1580856, 6)$
1115	$1185 \cdot 2^{1580824} - 1$	475879	L1828	14	
1116	$989 \cdot 2^{1580147} + 1$	475675	L3333	12	
1117	$159 \cdot 2^{1579426} + 1$	475457	L3179	13	
1118	$4494381 \cdot 2^{1579256} + 1$	475411	L2425	11	
1119	$3437965 \cdot 2^{1579256} + 1$	475410	L2425	11	
1120	$552073 \cdot 2^{1579256} + 1$	475410	L2425	11	
1121	$396687 \cdot 2^{1579256} + 1$	475410	L2425	11	
1122	$1167 \cdot 2^{1579018} + 1$	475335	L1728	12	
1123	$603 \cdot 2^{1578398} + 1$	475148	L333	12	
1124	$2488 \cdot 5^{679769} - 1$	475142	p321	11	
1125	$1195 \cdot 2^{1577839} - 1$	474980	L1828	14	
1126	$17684828^{65536} + 1$	474979	g410	07	Generalized Fermat
1127	$17655444^{65536} + 1$	474932	g410	07	Generalized Fermat
1128	$17629398^{65536} + 1$	474890	g410	07	Generalized Fermat
1129	$365 \cdot 2^{1577413} + 1$	474852	L1204	13	
1130	$553 \cdot 2^{1577344} + 1$	474831	L3260	12	
1131	$909 \cdot 2^{1576339} + 1$	474529	L2085	12	
1132	$805 \cdot 2^{1576258} + 1$	474504	L3035	12	
1133	$171 \cdot 2^{1575999} - 1$	474426	L384	14	
1134	$99 \cdot 2^{1575803} + 1$	474366	L1500	11	
1135	$373 \cdot 2^{1575751} - 1$	474351	L1819	12	
1136	$1003 \cdot 2^{1575486} + 1$	474272	L1484	12	
1137	$29 \cdot 2^{1574753} + 1$	474050	L391	08	
1138	$1347 \cdot 2^{1574633} - 1$	474015	L1828	14	
1139	$67 \cdot 2^{1573454} + 1$	473659	L1125	11	
1140	$703 \cdot 2^{1572182} + 1$	473277	L2366	12	
1141	$175 \cdot 2^{1571521} - 1$	473078	L2074	13	
1142	$111 \cdot 2^{1570718} - 1$	472836	L1862	12	
1143	$26 \cdot 800^{162819} + 1$	472680	p355	12	
1144	$429 \cdot 2^{1569942} + 1$	472603	L2675	13	
1145	$4183 \cdot 2^{1568799} - 1$	472260	L1959	14	
1146	$197 \cdot 2^{1568755} + 1$	472245	L1204	13	
1147	$483 \cdot 2^{1568404} + 1$	472140	L1204	13	
1148	$139 \cdot 2^{1567874} + 1$	471980	p189	06	
1149	$1345 \cdot 2^{1567289} - 1$	471805	L1828	14	
1150	$103040! - 1$	471794	p301	10	Factorial
1151	$331882 \cdot 5^{674961} - 1$	471784	p333	11	
1152	$191 \cdot 2^{1567005} + 1$	471718	L3035	13	
1153	$69 \cdot 2^{1566375} - 1$	471528	L1828	11	



rank	description	digits	who	year	comment
1154	$1079 \cdot 2^{1565923} + 1$	471393	L1344	12	
1155	$285 \cdot 2^{1565353} - 1$	471221	L3202	13	
1156	$729 \cdot 366^{183817} - 1$	471215	L2054	11	
1157	$285 \cdot 2^{1563167} - 1$	470563	L3202	13	
1158	$1047 \cdot 2^{1563150} + 1$	470559	L3221	12	
1159	[ Long prime 1159 ]	470458	p360	13	
1160	$103 \cdot 2^{1562619} - 1$	470398	L2484	12	
1161	$149 \cdot 2^{1561951} + 1$	470197	L2322	13	
1162	$891 \cdot 2^{1561849} + 1$	470167	L2626	12	
1163	$93 \cdot 2^{1561686} + 1$	470117	L1741	11	
1164	$931 \cdot 2^{1561084} + 1$	469937	L1167	12	
1165	$695 \cdot 2^{1560515} + 1$	469765	L2117	12	
1166	$219 \cdot 2^{1560099} + 1$	469639	L1505	13	
1167	$371 \cdot 2^{1559073} + 1$	469331	L1745	13	
1168	$651 \cdot 2^{1558979} + 1$	469303	L3329	12	
1169	$817 \cdot 2^{1554994} + 1$	468103	L2085	12	
1170	$117 \cdot 2^{1554601} - 1$	467984	L3519	13	
1171	$1185 \cdot 2^{1553995} + 1$	467803	L2366	12	
1172	$161 \cdot 2^{1553570} - 1$	467674	L177	11	
1173	$1043 \cdot 2^{1553422} - 1$	467630	L1828	14	
1174	$1361 \cdot 2^{1552370} - 1$	467314	L1828	14	
1175	$1323 \cdot 2^{1551755} - 1$	467128	L1828	14	
1176	$1071 \cdot 2^{1548940} + 1$	466281	L1204	12	
1177	$1021 \cdot 2^{1548585} - 1$	466174	L1828	14	
1178	$52 \cdot 701^{163776} + 1$	466063	p268	13	
1179	$1199 \cdot 2^{1548171} + 1$	466049	L2981	12	
1180	$95 \cdot 10^{466002} - 1$	466004	L3735	14	Near-repdigit
1181	$189 \cdot 2^{1547744} - 1$	465920	L384	14	
1182	$363 \cdot 2^{1547344} - 1$	465800	L3870	14	
1183	$409 \cdot 2^{1546542} + 1$	465559	L3248	13	
1184	$135 \cdot 2^{1545961} + 1$	465383	L2549	13	
1185	$539 \cdot 2^{1545909} + 1$	465368	L3327	12	
1186	$477 \cdot 2^{1545648} + 1$	465290	L1484	13	
1187	$81 \cdot 2^{1544545} + 1$	464957	gt	07	
1188	$1003 \cdot 2^{1544288} + 1$	464881	L1129	12	
1189	$5 \cdot 10^{464843} - 1$	464844	p297	11	Near-repdigit
1190	$95 \cdot 2^{1543676} - 1$	464695	L2338	11	
1191	$227 \cdot 2^{1542323} + 1$	464288	L1204	13	
1192	$703 \cdot 2^{1542084} + 1$	464217	L2038	12	
1193	$149 \cdot 2^{1541152} - 1$	463936	L384	13	
1194	$53 \cdot 2^{1541133} + 1$	463929	L1158	11	
1195	$83 \cdot 2^{1540750} - 1$	463814	L1959	11	
1196	$1061 \cdot 2^{1540377} + 1$	463703	L2322	12	
1197	$315 \cdot 2^{1539539} - 1$	463450	L1827	11	
1198	$395 \cdot 2^{1538975} + 1$	463281	L2826	13	
1199	$6 \cdot 643^{164915} + 1$	463117	L3610	13	
1200	$205 \cdot 2^{1537779} - 1$	462920	L2444	14	
1201	$333 \cdot 2^{1537644} - 1$	462880	L1827	11	
1202	$1077 \cdot 2^{1537453} - 1$	462823	L1828	13	
1203	$759 \cdot 2^{1537049} + 1$	462701	L1484	12	

rank	description	digits	who	year	comment
1204	$1245 \cdot 2^{1536104} - 1$	462417	L1828	13	
1205	$1293 \cdot 2^{1536042} - 1$	462398	L1828	13	
1206	$699 \cdot 2^{1535678} + 1$	462288	L1122	12	
1207	$63 \cdot 2^{1535612} - 1$	462268	L1828	11	
1208	$234847 \cdot 2^{1535589} - 1$	462264	L73	05	
1209	$8331405 \cdot 2^{1534807} - 1$	462030	L260	11	
1210	$291 \cdot 2^{1534413} - 1$	461907	L2484	13	
1211	$393 \cdot 2^{1534045} + 1$	461797	L2826	13	
1212	$165 \cdot 2^{1533368} + 1$	461592	L3149	13	
1213	$1203 \cdot 2^{1531143} - 1$	460924	L1828	13	
1214	$63 \cdot 2^{1530888} + 1$	460846	L2487	11	
1215	$41 \cdot 2^{1530313} + 1$	460672	L2131	11	
1216	$1195 \cdot 2^{1530031} - 1$	460589	L1828	13	
1217	$1099 \cdot 2^{1529993} - 1$	460577	L1828	13	
1218	$347 \cdot 2^{1529964} - 1$	460568	L2235	13	
1219	$247 \cdot 2^{1529485} - 1$	460424	L2338	11	
1220	$771 \cdot 2^{1529249} + 1$	460353	L3271	12	
1221	$941 \cdot 2^{1529195} + 1$	460337	L3110	12	
1222	$505 \cdot 2^{1529188} + 1$	460335	L2826	12	
1223	$1105 \cdot 2^{1529161} - 1$	460327	L1828	13	
1224	$1113 \cdot 2^{1527832} - 1$	459927	L1828	13	
1225	$279 \cdot 2^{1526518} + 1$	459531	L3173	13	
1226	$1071 \cdot 2^{1526401} + 1$	459496	L3221	12	
1227	$121 \cdot 2^{1526097} - 1$	459404	L65	05	
1228	$115 \cdot 2^{1524183} - 1$	458827	L2074	13	
1229	$303 \cdot 2^{1523973} + 1$	458765	L1300	13	
1230	$1265 \cdot 2^{1523548} - 1$	458637	L1828	13	
1231	$289 \cdot 2^{1522650} + 1$	458366	L1741	13	Generalized Fermat
1232	$731 \cdot 2^{1522457} + 1$	458309	L3311	12	
1233	$1221 \cdot 2^{1522283} - 1$	458256	L1828	13	
1234	$687 \cdot 2^{1522087} + 1$	458197	L2606	12	
1235	$165 \cdot 2^{1521629} - 1$	458059	L2055	11	
1236	$19709699 \cdot 2^{1521540} - 1$	458037	L421	08	
1237	$1257 \cdot 2^{1521398} - 1$	457990	L1828	13	
1238	$1425 \cdot 2^{1520604} - 1$	457751	L1134	14	
1239	$1015 \cdot 2^{1520177} - 1$	457622	L1828	13	
1240	$375 \cdot 2^{1518534} - 1$	457127	L2235	13	
1241	$731 \cdot 2^{1518257} + 1$	457044	L1204	12	
1242	$291 \cdot 2^{1516592} + 1$	456543	L2117	13	
1243	$243 \cdot 2^{1516368} + 1$	456475	L2038	13	
1244	$135 \cdot 2^{1515894} + 1$	456332	L1129	13	Divides $GF(1515890, 10)$
1245	$825 \cdot 2^{1515604} + 1$	456246	L3284	12	
1246	$1169 \cdot 2^{1515073} + 1$	456086	L3110	12	
1247	$301 \cdot 2^{1514873} - 1$	456025	p281	10	
1248	$37674760044125 \cdot 2^{1513679} - 67931$	455677	p339	12	
1249	$363 \cdot 2^{1513706} - 1$	455674	L1819	14	
1250	$237 \cdot 2^{1512216} - 1$	455225	L1828	13	
1251	$1107 \cdot 2^{1511864} - 1$	455120	L1828	13	
1252	$93 \cdot 2^{1511692} + 1$	455067	L1135	11	
1253	$945 \cdot 2^{1511373} + 1$	454972	L3276	12	

rank	description	digits	who	year	comment
1254	$165 \cdot 2^{1510977} + 1$	454852	L1349	12	
1255	$735 \cdot 2^{1509857} + 1$	454516	L3319	12	
1256	$4049 \cdot 2^{1509104} - 1$	454290	L1959	14	
1257	$4 \cdot 83^{236470} + 1$	453805	p286	10	Generalized Fermat
1258	$143 \cdot 2^{1507352} - 1$	453761	L1828	12	
1259	$7 \cdot 566^{164827} - 1$	453740	L1471	11	
1260	$1115 \cdot 2^{1505697} + 1$	453264	L3173	12	
1261	$65 \cdot 2^{1505640} - 1$	453245	L2055	11	
1262	$431 \cdot 2^{1505493} + 1$	453202	L2520	13	
1263	$173 \cdot 2^{1504740} - 1$	452975	L2074	13	
1264	$1127 \cdot 2^{1504700} - 1$	452963	L1828	13	
1265	$237 \cdot 2^{1503376} - 1$	452564	L1828	13	
1266	$197 \cdot 2^{1502095} + 1$	452178	L2912	13	
1267	$1137 \cdot 2^{1501715} + 1$	452065	L1745	12	
1268	$907 \cdot 2^{1501169} - 1$	451900	L860	10	
1269	$1075 \cdot 2^{1500964} + 1$	451839	L2066	12	
1270	$579 \cdot 2^{1500429} + 1$	451677	L1300	12	
1271	$13 \cdot 2^{1499876} + 1$	451509	g267	04	Divides $GF(1499875, 3)$
1272	$429 \cdot 2^{1499779} + 1$	451482	L2603	12	
1273	$147 \cdot 2^{1499333} - 1$	451347	L1959	13	
1274	$533 \cdot 2^{1499097} + 1$	451276	L1741	12	
1275	$95 \cdot 2^{1498399} + 1$	451066	L2494	11	
1276	$27994 \cdot 5^{645221} - 1$	450995	p324	11	
1277	$4003 \cdot 2^{1496871} - 1$	450607	L1959	14	
1278	$191 \cdot 2^{1496507} + 1$	450496	L1229	12	
1279	$687 \cdot 2^{1496330} + 1$	450444	L1745	12	
1280	$1351 \cdot 2^{1495467} - 1$	450184	L1828	13	
1281	$32 \cdot 26^{318071} + 1$	450064	L1471	12	
1282	$1047 \cdot 2^{1494761} - 1$	449971	L1828	13	
1283	$283 \cdot 2^{1494614} + 1$	449927	L2984	12	
1284	$749 \cdot 2^{1494203} + 1$	449803	L2706	12	
1285	$131 \cdot 2^{1494099} + 1$	449771	L2959	12	Divides Fermat $F(1494096)$
1286	$1365 \cdot 2^{1493923} - 1$	449719	L1828	13	
1287	$93 \cdot 2^{1493877} + 1$	449704	L2085	11	
1288	$262172 \cdot 5^{643342} - 1$	449683	p323	11	
1289	$651 \cdot 2^{1493757} + 1$	449669	L2583	12	
1290	$455 \cdot 2^{1493715} + 1$	449656	L2734	12	
1291	$711 \cdot 2^{1493231} + 1$	449511	L1842	12	
1292	$1287 \cdot 2^{1493088} - 1$	449468	L1828	13	
1293	$673 \cdot 2^{1492542} + 1$	449303	L2826	12	
1294	$1347 \cdot 2^{1492537} - 1$	449302	L1828	13	
1295	$1269 \cdot 2^{1492195} - 1$	449199	L1828	13	
1296	$1023 \cdot 2^{1492030} - 1$	449149	L1828	13	
1297	$7 \cdot 2^{1491852} + 1$	449094	p166	05	Divides $GF(1491851, 6)$
1298	$357 \cdot 2^{1491595} + 1$	449018	L2960	12	
1299	$303 \cdot 2^{1491450} + 1$	448974	L1498	12	
1300	$2232007 \cdot 2^{1490605} - 1$	448724	L4	03	
1301	$147 \cdot 2^{1490274} + 1$	448620	L3030	12	
1302	$1155 \cdot 2^{1490176} - 1$	448591	L1828	13	
1303	$789 \cdot 2^{1489887} + 1$	448504	L1214	12	

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1304	$877 \cdot 2^{1489150} + 1$	448282	L3019	12	
1305	$49568 \cdot 5^{640900} - 1$	447975	p321	11	
1306	$191 \cdot 2^{1487775} + 1$	447868	L1387	12	
1307	$1181 \cdot 2^{1487725} + 1$	447853	L1129	12	
1308	$1077 \cdot 2^{1487269} - 1$	447716	L1828	13	
1309	$61 \cdot 2^{1487125} - 1$	447672	L1828	11	
1310	$103 \cdot 2^{1486695} - 1$	447542	L2484	12	
1311	$1239 \cdot 2^{1486540} - 1$	447497	L1828	13	
1312	$1155 \cdot 2^{1486428} + 1$	447463	L2957	12	
1313	$57 \cdot 2^{1486214} - 1$	447397	L1828	11	
1314	$1286 \cdot 3^{937499} + 1$	447304	L2777	12	Generalized Cullen
1315	$341 \cdot 2^{1484130} - 1$	446771	L1819	14	
1316	$377 \cdot 2^{1483586} - 1$	446607	L1819	13	
1317	$62 \cdot 107^{219967} + 1$	446400	p289	13	
1318	$8922449 \cdot 2^{1482840} - 1$	446387	L536	11	
1319	$355 \cdot 2^{1482390} + 1$	446247	L2734	12	
1320	$9 \cdot 2^{1481821} - 1$	446074	L503	08	
1321	$503 \cdot 2^{1481165} + 1$	445878	L1204	12	
1322	$583 \cdot 2^{1480974} + 1$	445821	L1935	12	
1323	$5 \cdot 10^{445773} - 1$	445774	p297	11	Near-repdigit
1324	$395 \cdot 2^{1480715} + 1$	445743	L1792	12	
1325	$1293 \cdot 2^{1480046} - 1$	445542	L1828	13	
1326	$725 \cdot 2^{1479843} + 1$	445480	L2627	12	
1327	$2421 \cdot 2^{1479236} + 1$	445298	p335	12	
1328	$1185 \cdot 2^{1478556} + 1$	445093	L2956	12	
1329	$609 \cdot 2^{1478341} + 1$	445028	L2987	12	
1330	$29 \cdot 2^{1478344} - 1$	445028	L10	05	
1331	$705 \cdot 2^{1478286} + 1$	445012	L1158	12	
1332	$1071 \cdot 2^{1478005} - 1$	444927	L1828	13	
1333	$847 \cdot 2^{1477272} + 1$	444707	L2935	12	
1334	$138835 \cdot 2^{1476392} + 1$	444444	L3494	13	
1335	$27 \cdot 2^{1476347} + 1$	444427	g279	05	
1336	$1329 \cdot 2^{1476061} - 1$	444342	L1828	13	
1337	$163 \cdot 2^{1475932} + 1$	444303	L2955	12	
1338	$371 \cdot 2^{1475337} + 1$	444124	L2958	12	
1339	$1159 \cdot 2^{1475217} - 1$	444088	L1828	13	
1340	$333 \cdot 2^{1474766} - 1$	443952	L1827	11	
1341	$176660 \cdot 18^{353320} - 1$	443519	p325	11	Generalized Woodall
1342	$69 \cdot 2^{1473217} - 1$	443485	L2055	11	
1343	$327 \cdot 2^{1473201} - 1$	443481	L1827	11	
1344	$357 \cdot 2^{1473125} - 1$	443458	L1819	13	
1345	$1263 \cdot 2^{1472875} - 1$	443383	L1828	13	
1346	$127 \cdot 2^{1472718} + 1$	443335	L2954	12	
1347	$43994 \cdot 6^{569498} - 1$	443161	p267	10	
1348	$325627 \cdot 2^{1472117} - 1$	443157	L111	05	
1349	$1317 \cdot 2^{1471508} - 1$	442972	L1828	13	
1350	$133 \cdot 2^{1471408} + 1$	442941	L2139	12	
1351	$1197 \cdot 2^{1471378} - 1$	442932	L1828	13	
1352	$207 \cdot 2^{1471290} + 1$	442905	L1300	12	
1353	$579 \cdot 2^{1471002} + 1$	442819	L2901	12	

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1354	$1291 \cdot 2^{1470905} - 1$	442790	L1828	13	
1355	$303 \cdot 2^{1470065} + 1$	442537	L2058	12	
1356	$629 \cdot 2^{1469471} + 1$	442358	L1999	12	
1357	$1155 \cdot 2^{1468763} - 1$	442145	L1828	13	
1358	$55 \cdot 2^{1468439} - 1$	442046	L2074	13	
1359	$1467763 \cdot 2^{1467763} - 1$	441847	L381	07	Woodall
1360	$77 \cdot 2^{1467554} - 1$	441780	L145	06	
1361	$1073 \cdot 2^{1467421} + 1$	441741	L2121	12	
1362	$105 \cdot 2^{1467388} - 1$	441730	L384	10	
1363	$1295 \cdot 2^{1467128} - 1$	441653	L1828	13	
1364	$253 \cdot 2^{1465908} + 1$	441285	L1498	12	
1365	$279 \cdot 2^{1465658} + 1$	441210	L2121	12	
1366	$7673 \cdot 2^{1464988} - 1$	441010	L2012	13	
1367	$179 \cdot 2^{1464720} - 1$	440927	L2074	12	
1368	$533 \cdot 2^{1462557} + 1$	440277	L1186	12	
1369	$165 \cdot 2^{1462368} - 1$	440219	L2101	11	
1370	$565 \cdot 2^{1462336} + 1$	440210	L2127	12	
1371	$1193 \cdot 2^{1462209} + 1$	440172	L2950	12	
1372	$187 \cdot 2^{1461697} - 1$	440017	L1959	14	
1373	$99 \cdot 2^{1461496} - 1$	439957	L282	09	
1374	$821 \cdot 2^{1461453} + 1$	439945	L2085	12	
1375	$83 \cdot 2^{1461350} - 1$	439913	L1959	11	
1376	$647 \cdot 2^{1461075} + 1$	439831	L2734	12	
1377	$921 \cdot 2^{1460168} + 1$	439558	L2412	12	
1378	$1035 \cdot 2^{1460028} - 1$	439516	L1828	12	
1379	$361 \cdot 2^{1459308} + 1$	439299	L1158	12	Generalized Fermat
1380	$315 \cdot 2^{1459160} + 1$	439254	L2127	12	
1381	$1003 \cdot 2^{1458560} + 1$	439074	L1214	12	
1382	$179 \cdot 2^{1457415} + 1$	438728	L1224	12	
1383	$505 \cdot 2^{1457394} + 1$	438723	L2121	12	
1384	$1179 \cdot 2^{1456957} - 1$	438591	L1828	12	
1385	$313 \cdot 2^{1456431} - 1$	438432	L1809	13	
1386	$301 \cdot 2^{1455620} + 1$	438188	L1999	12	
1387	$83 \cdot 2^{1455358} - 1$	438109	L1959	11	
1388	$701 \cdot 2^{1455225} + 1$	438070	L2962	12	
1389	$207 \cdot 2^{1453970} - 1$	437691	L330	13	
1390	$1085 \cdot 2^{1453676} - 1$	437604	L1828	12	
1391	$379 \cdot 2^{1453534} + 1$	437560	L2826	12	
1392	$281 \cdot 2^{1453426} - 1$	437528	L2101	12	
1393	$967 \cdot 2^{1453316} + 1$	437495	L2856	12	
1394	$21 \cdot 2^{1452771} - 1$	437329	L503	08	
1395	$911 \cdot 2^{1450865} + 1$	436757	L1158	12	
1396	$995 \cdot 2^{1450439} + 1$	436629	L2139	12	
1397	$1101 \cdot 2^{1450203} - 1$	436558	L1828	12	
1398	$1139 \cdot 2^{1450029} + 1$	436506	L1509	12	
1399	$9101981 \cdot 2^{1449942} - 1$	436483	L1134	13	
1400	$1121 \cdot 2^{1449665} + 1$	436396	L2785	12	
1401	$855 \cdot 2^{1449637} + 1$	436388	L1336	12	
1402	$77743 \cdot 6^{560745} - 1$	436350	p267	10	
1403	$909 \cdot 2^{1449002} + 1$	436197	L2125	12	

rank	description	digits	who	year	comment
1404	$23 \cdot 2^{1448461} + 1$	436032	L170	08	
1405	$1027 \cdot 2^{1448217} - 1$	435960	L1828	13	
1406	$395 \cdot 2^{1447971} + 1$	435886	L1935	12	
1407	$1051 \cdot 2^{1447928} + 1$	435873	L2949	12	
1408	$10107 \cdot 6^{559967} + 1$	435744	p254	12	
1409	$1197 \cdot 2^{1447460} - 1$	435732	L1828	13	
1410	$969 \cdot 2^{1447062} + 1$	435613	L1745	12	
1411	$1195 \cdot 2^{1446859} - 1$	435552	L1828	13	
1412	$711 \cdot 2^{1446472} + 1$	435435	L1224	12	
1413	$1061 \cdot 2^{1445645} + 1$	435186	L2863	12	
1414	$1125 \cdot 2^{1445487} - 1$	435138	L1828	13	
1415	$8331405 \cdot 2^{1445428} - 1$	435125	L260	10	
1416	$923 \cdot 2^{1445405} + 1$	435114	L2942	12	
1417	$194 \cdot 165^{196199} + 1$	435071	p289	12	
1418	$1233 \cdot 2^{1445171} - 1$	435043	L1828	13	
1419	$1071 \cdot 2^{1444099} - 1$	434721	L1828	13	
1420	$855 \cdot 2^{1444094} + 1$	434719	L2604	12	
1421	$1321 \cdot 2^{1442749} - 1$	434314	L1828	13	
1422	$705 \cdot 2^{1442509} + 1$	434242	L2085	12	
1423	$4415 \cdot 2^{1441915} + 1$	434064	L2012	14	
1424	$345 \cdot 2^{1441905} + 1$	434060	L2604	12	
1425	$10 \cdot 802^{149319} + 1$	433650	p268	11	
1426	$589 \cdot 2^{1440410} + 1$	433610	L1336	12	
1427	$4039 \cdot 2^{1439371} - 1$	433298	L1959	14	
1428	$1073 \cdot 2^{1439352} - 1$	433292	L1828	13	
1429	$417 \cdot 2^{1439196} + 1$	433244	L2604	12	
1430	$851 \cdot 2^{1438625} + 1$	433073	L1728	12	
1431	$581 \cdot 2^{1438385} + 1$	433000	L2604	12	
1432	$637 \cdot 2^{1438112} + 1$	432918	L1524	12	
1433	$9135 \cdot 2^{1438018} - 1$	432891	L2338	13	
1434	$83 \cdot 2^{1437882} - 1$	432848	L1959	11	
1435	$133 \cdot 2^{1436963} - 1$	432572	L2074	14	
1436	$9135 \cdot 2^{1436354} - 1$	432390	L2338	13	
1437	$969 \cdot 2^{1435731} + 1$	432202	L1509	12	
1438	$210092 \cdot 5^{618136} - 1$	432064	L2050	11	
1439	$1377 \cdot 2^{1434985} - 1$	431977	L1828	13	
1440	$1135 \cdot 2^{1434722} + 1$	431898	L1933	12	
1441	$19 \cdot 2^{1434165} - 1$	431728	L503	08	
1442	$825 \cdot 2^{1433899} + 1$	431650	L2127	12	
1443	$95 \cdot 2^{1433853} + 1$	431635	L2503	11	Divides $GF(1433852, 3)$
1444	$213 \cdot 2^{1433675} - 1$	431582	L1863	13	
1445	$141 \cdot 2^{1433536} + 1$	431540	L2560	12	
1446	$987 \cdot 2^{1433326} + 1$	431478	L1158	12	
1447	$749 \cdot 2^{1433277} + 1$	431463	L2941	12	
1448	$825 \cdot 2^{1433131} + 1$	431419	L1991	12	
1449	$1255 \cdot 2^{1432761} - 1$	431308	L1828	13	
1450	$3303 \cdot 112^{210284} + 1$	430922	p271	12	
1451	$243 \cdot 2^{1431443} - 1$	430910	L2055	11	
1452	$1041 \cdot 2^{1431405} + 1$	430899	L1229	12	
1453	$729 \cdot 2^{1430906} + 1$	430749	L2002	11	Generalized Fermat

rank	description	digits	who	year	comment
1454	$1079 \cdot 2^{1430317} + 1$	430572	L2940	12	
1455	$1031 \cdot 2^{1430239} + 1$	430548	L1129	12	
1456	$1193 \cdot 2^{1430037} + 1$	430488	L1555	12	
1457	$2715 \cdot 2^{1429628} - 1$	430365	L1959	14	
1458	$675 \cdot 2^{1429386} + 1$	430291	L1379	12	
1459	$267 \cdot 2^{1429060} - 1$	430193	L1828	13	
1460	$1161 \cdot 2^{1428493} - 1$	430023	L1828	13	
1461	$45 \cdot 2^{1427666} + 1$	429772	L1446	10	
1462	$1127 \cdot 2^{1427558} - 1$	429741	L1828	13	
1463	$270748 \cdot 5^{614625} - 1$	429610	L2050	11	
1464	$147 \cdot 2^{1426959} + 1$	429560	L2922	12	
1465	$19681127 \cdot 2^{1426862} - 1$	429536	L466	12	
1466	$1023 \cdot 2^{1426490} + 1$	429420	L1554	12	
1467	$94550! - 1$	429390	p290	10	Factorial
1468	$4137 \cdot 2^{1426269} - 1$	429354	L1959	14	
1469	$2018 \cdot 162^{194314} - 1$	429344	p289	12	
1470	$113 \cdot 2^{1425998} - 1$	429271	L257	08	
1471	$4091 \cdot 2^{1424962} - 1$	428960	L1959	14	
1472	$1129 \cdot 2^{1424494} + 1$	428819	L2939	12	
1473	$4039 \cdot 2^{1424325} - 1$	428769	L1959	14	
1474	$1077 \cdot 2^{1424277} - 1$	428754	L1828	13	
1475	$1169 \cdot 2^{1423969} + 1$	428661	L2948	12	
1476	$3462728^{65536} + 1$	428568	p343	14	Generalized Fermat
1477	$3461954^{65536} + 1$	428561	p316	14	Generalized Fermat
1478	$1299 \cdot 2^{1423389} - 1$	428486	L1828	13	
1479	$3446048^{65536} + 1$	428430	p316	14	Generalized Fermat
1480	$561 \cdot 2^{1423021} + 1$	428375	L2945	12	
1481	$555 \cdot 2^{1422674} + 1$	428271	L2944	12	
1482	$3422670^{65536} + 1$	428237	p316	14	Generalized Fermat
1483	$255 \cdot 2^{1422283} - 1$	428153	L2074	12	
1484	$21 \cdot 2^{1421741} + 1$	427989	g279	05	
1485	$537 \cdot 2^{1421571} + 1$	427939	L2557	12	
1486	$1335 \cdot 2^{1421366} - 1$	427877	L1828	13	
1487	$8 \cdot 3^{896701} - 1$	427837	p258	10	
1488	$65 \cdot 2^{1421088} - 1$	427792	L1828	11	
1489	$4089 \cdot 2^{1419992} - 1$	427464	L1959	14	
1490	$9 \cdot 2^{1419855} - 1$	427420	L323	09	
1491	$1425 \cdot 2^{1419356} - 1$	427272	L1134	13	
1492	$1047 \cdot 2^{1418968} + 1$	427155	L2093	12	
1493	$273 \cdot 2^{1418856} + 1$	427121	L2674	12	
1494	$15 \cdot 2^{1418605} + 1$	427044	g279	06	Divides $GF(1418600, 5)$ , $GF(1418601, 6)$
1495	$4023 \cdot 2^{1418518} - 1$	427021	L1959	14	
1496	$399 \cdot 2^{1418376} - 1$	426977	L1819	13	
1497	$371 \cdot 2^{1417702} - 1$	426774	L1819	13	
1498	$4017 \cdot 2^{1417682} - 1$	426769	L1959	14	
1499	$225 \cdot 2^{1417568} + 1$	426733	L2947	12	Generalized Fermat
1500	$303 \cdot 2^{1416878} + 1$	426526	L2937	12	
1501	$29 \cdot 2^{1416873} + 1$	426523	g305	07	
1502	$61 \cdot 2^{1416365} - 1$	426371	L2055	11	

rank	description	digits	who	year	comment
1503	$1113 \cdot 2^{1414802} - 1$	425901	L1828	13	
1504	$659 \cdot 2^{1414237} + 1$	425731	L2453	12	
1505	$149797 \cdot 2^{1414137} - 1$	425703	L105	05	
1506	$1087 \cdot 2^{1413982} + 1$	425655	L2934	12	
1507	$1031 \cdot 2^{1413801} + 1$	425600	L2936	12	
1508	$2415 \cdot 2^{1413627} - 1$	425548	L1959	14	
1509	$799 \cdot 2^{1413586} + 1$	425535	L2142	12	
1510	$266206 \cdot 5^{608649} - 1$	425433	L2050	11	
1511	$3095674^{65536} + 1$	425379	p343	13	Generalized Fermat
1512	$199 \cdot 2^{1412913} - 1$	425332	L2074	13	
1513	$1155 \cdot 2^{1411898} - 1$	425027	L1828	13	
1514	$1077 \cdot 2^{1411370} - 1$	424868	L1828	13	
1515	$1083 \cdot 2^{1410817} + 1$	424702	L1562	12	
1516	$339 \cdot 2^{1410789} - 1$	424693	L1830	11	
1517	$625 \cdot 2^{1410668} + 1$	424657	L1498	12	Generalized Fermat
1518	$1263 \cdot 2^{1409755} - 1$	424382	L1828	13	
1519	$445 \cdot 2^{1408906} + 1$	424126	L2544	12	
1520	$439 \cdot 2^{1408326} + 1$	423952	L1546	12	
1521	$93 \cdot 2^{1408246} + 1$	423927	L1207	11	
1522	$165 \cdot 2^{1408117} + 1$	423888	L2935	12	
1523	$105 \cdot 2^{1407665} - 1$	423752	L384	09	
1524	$1485 \cdot 2^{1407544} + 1$	423717	L1134	13	
1525	$55 \cdot 2^{1406997} - 1$	423551	L1884	11	
1526	$143 \cdot 2^{1406788} - 1$	423488	L1828	12	
1527	$141 \cdot 2^{1404747} + 1$	422874	L1158	12	
1528	$2829122^{65536} + 1$	422816	p343	12	Generalized Fermat
1529	$2985 \cdot 2^{1404274} - 1$	422733	L1959	14	
1530	$4143 \cdot 2^{1404267} - 1$	422731	L1959	14	
1531	$2715 \cdot 2^{1404211} - 1$	422714	L1959	14	
1532	$4065 \cdot 2^{1403376} - 1$	422462	L1959	14	
1533	$2779470^{65536} + 1$	422312	p343	12	Generalized Fermat
1534	$435 \cdot 2^{1402809} + 1$	422291	L2938	12	
1535	$647 \cdot 2^{1402275} + 1$	422130	L1158	12	
1536	$1101 \cdot 2^{1402221} + 1$	422114	L2168	12	
1537	$1055 \cdot 2^{1402194} - 1$	422106	L1828	13	
1538	$2744940^{65536} + 1$	421956	p343	12	Generalized Fermat
1539	$2738848^{65536} + 1$	421893	p343	12	Generalized Fermat
1540	$1131 \cdot 2^{1401172} + 1$	421798	L1456	12	
1541	$48697 \cdot 2^{1400872} + 1$	421710	L2012	14	
1542	$573 \cdot 2^{1400092} + 1$	421473	L2949	12	
1543	$429 \cdot 2^{1400083} + 1$	421470	L2930	12	
1544	$881 \cdot 2^{1399963} + 1$	421434	L1224	12	
1545	$23 \cdot 2^{1399841} + 1$	421396	L1158	11	
1546	$127 \cdot 2^{1398889} - 1$	421110	L486	08	
1547	$241 \cdot 2^{1398869} - 1$	421104	L1828	13	
1548	$2985 \cdot 2^{1398863} - 1$	421104	L1959	14	
1549	$125 \cdot 2^{1398712} - 1$	421057	L2101	12	
1550	$219 \cdot 2^{1398411} + 1$	420966	L1336	12	
1551	$1564347 \cdot 2^{1398269} - 1$	420928	L466	08	
1552	$509765 \cdot 2^{1398269} + 1$	420927	L109	14	



rank	description	digits	who	year	comment
1553	$31723 \cdot 2^{1398273} - 507567$	420927	p363	13	
1554	$2^{1398269} - 1$	420921	G1	96	Mersenne 35
1555	$765 \cdot 2^{1398051} + 1$	420859	L2932	12	
1556	$2925 \cdot 2^{1396366} - 1$	420352	L1959	14	
1557	$192089 \cdot 2^{1395688} - 1$	420150	L49	04	
1558	$225 \cdot 2^{1395649} - 1$	420135	L2074	12	
1559	$85 \cdot 2^{1395605} - 1$	420121	L2338	11	
1560	$4099 \cdot 2^{1395419} - 1$	420067	L1959	14	
1561	$1137 \cdot 2^{1395352} - 1$	420046	L1828	13	
1562	$935 \cdot 2^{1394813} + 1$	419884	L2863	12	
1563	$4073 \cdot 2^{1394704} - 1$	419852	L1959	14	
1564	$147 \cdot 2^{1392930} + 1$	419316	L2931	12	
1565	$2484264^{65536} + 1$	419116	p343	12	Generalized Fermat
1566	$2^{1392250} - 4 \cdot V(1, 4, 696123) + 1$	419110	x41	14	
1567	$2483590^{65536} + 1$	419108	p316	12	Generalized Fermat
1568	$1387 \cdot 2^{1390577} - 1$	418609	L1828	13	
1569	$1151 \cdot 2^{1390169} + 1$	418486	L1336	12	
1570	$891 \cdot 2^{1390163} + 1$	418484	L2562	12	
1571	$77 \cdot 2^{1390004} - 1$	418435	L2074	11	
1572	$869 \cdot 2^{1389895} + 1$	418404	L1480	12	
1573	$113 \cdot 2^{1389674} - 1$	418336	L257	08	
1574	$1073 \cdot 2^{1389616} - 1$	418320	L1828	13	
1575	$953 \cdot 2^{1389449} + 1$	418269	L1935	12	
1576	$182402 \cdot 14^{364804} - 1$	418118	p325	11	Generalized Woodall
1577	$2835 \cdot 2^{1388678} - 1$	418038	L1959	14	
1578	$17 \cdot 2^{1388355} + 1$	417938	g267	05	Divides $GF(1388354, 10)$
1579	$4129 \cdot 2^{1388319} - 1$	417930	L1959	13	
1580	$413 \cdot 2^{1387625} + 1$	417720	L1357	12	
1581	$4185 \cdot 2^{1387491} - 1$	417681	L1959	13	
1582	$1169 \cdot 2^{1387289} + 1$	417619	L2927	12	
1583	$2336976^{65536} + 1$	417377	p316	12	Generalized Fermat
1584	$805 \cdot 2^{1386368} + 1$	417342	L2926	12	
1585	$675 \cdot 2^{1386270} + 1$	417312	L2093	12	
1586	$771 \cdot 2^{1385696} + 1$	417139	L2110	12	
1587	$2313394^{65536} + 1$	417088	p316	11	Generalized Fermat
1588	$427 \cdot 2^{1385238} + 1$	417001	L1204	12	
1589	$409 \cdot 2^{1384346} + 1$	416733	L1357	12	
1590	$4119 \cdot 2^{1383765} - 1$	416559	L1959	13	
1591	$1047 \cdot 2^{1383252} - 1$	416404	L1828	13	
1592	$89 \cdot 2^{1383108} - 1$	416359	L1884	11	
1593	$2251082^{65536} + 1$	416311	p316	11	Generalized Fermat
1594	$999 \cdot 2^{1382497} + 1$	416177	L1524	12	
1595	$491 \cdot 2^{1382361} + 1$	416135	L2167	12	
1596	$1077 \cdot 2^{1382270} - 1$	416108	L1828	13	
1597	$4041 \cdot 2^{1382149} - 1$	416072	L1959	13	
1598	$487 \cdot 2^{1382068} + 1$	416047	L2925	12	
1599	$4005 \cdot 2^{1381901} - 1$	415998	L1959	13	
1600	$4099 \cdot 2^{1381491} - 1$	415874	L1959	13	
1601	$1001 \cdot 2^{1381338} - 1$	415828	L1828	13	
1602	$609 \cdot 2^{1380766} + 1$	415655	L2785	12	

rank	description	digits	who	year	comment
1603	$2187182^{65536} + 1$	415491	g260	09	Generalized Fermat
1604	$2355 \cdot 2^{1379854} - 1$	415381	L1959	14	
1605	$2177038^{65536} + 1$	415359	g260	08	Generalized Fermat
1606	$199 \cdot 2^{1379329} - 1$	415222	L2074	12	
1607	$2162068^{65536} + 1$	415162	g260	08	Generalized Fermat
1608	$1209 \cdot 2^{1378600} - 1$	415004	L1828	13	
1609	$1041 \cdot 2^{1377936} + 1$	414804	L1158	12	
1610	$653 \cdot 2^{1377857} + 1$	414780	L2887	12	
1611	$1395 \cdot 2^{1377793} - 1$	414761	L1828	13	
1612	$2445 \cdot 2^{1377351} - 1$	414628	L1959	14	
1613	$6 \cdot 10^{414508} - 1$	414509	p297	11	Near-repdigit
1614	$139 \cdot 2^{1376635} - 1$	414411	L384	13	
1615	$4143 \cdot 2^{1376590} - 1$	414399	L1959	13	
1616	$151 \cdot 2^{1376256} + 1$	414297	L1751	11	
1617	$129 \cdot 2^{1376223} - 1$	414287	L1959	11	
1618	$1005 \cdot 2^{1375758} + 1$	414148	L2606	12	
1619	$65 \cdot 2^{1374574} - 1$	413790	L2055	11	
1620	$163 \cdot 2^{1374474} + 1$	413761	L2933	12	
1621	$147 \cdot 2^{1374216} - 1$	413683	L1959	11	
1622	$(2^{64} - 189) \cdot 10^{413500} + 1$	413520	p342	12	
1623	$981 \cdot 2^{1373643} + 1$	413511	L2125	12	
1624	$231 \cdot 2^{1372505} + 1$	413168	L2169	12	
1625	$347 \cdot 2^{1372215} + 1$	413081	L2085	12	
1626	$321 \cdot 2^{1371846} - 1$	412970	L1830	11	
1627	$237 \cdot 2^{1371630} - 1$	412905	L1828	13	
1628	$4179 \cdot 2^{1371539} - 1$	412879	L1959	13	
1629	$2895 \cdot 2^{1371308} - 1$	412809	L1959	14	
1630	$73 \cdot 2^{1370742} + 1$	412637	g418	09	
1631	$955 \cdot 2^{1369986} + 1$	412410	L2928	12	
1632	$4035 \cdot 2^{1369909} - 1$	412388	L1959	13	
1633	$195 \cdot 2^{1369746} - 1$	412337	L2101	11	
1634	$771 \cdot 2^{1369709} + 1$	412327	L2453	12	
1635	$1169 \cdot 2^{1369516} - 1$	412269	L1828	13	
1636	$1235 \cdot 2^{1369070} - 1$	412135	L1828	13	
1637	$1055 \cdot 2^{1368554} - 1$	411979	L1828	13	
1638	$15 \cdot 2^{1368428} + 1$	411940	g279	06	
1639	$609 \cdot 2^{1368375} + 1$	411925	L2946	12	
1640	$243 \cdot 2^{1368212} - 1$	411876	L2055	11	
1641	$1093 \cdot 2^{1367891} - 1$	411780	L1828	13	
1642	$789 \cdot 2^{1367445} + 1$	411645	L2030	12	
1643	$245 \cdot 2^{1367128} - 1$	411549	L1862	11	
1644	$51017 \cdot 6^{528803} - 1$	411494	p258	10	
1645	$237 \cdot 2^{1366717} - 1$	411426	L1828	13	
1646	$955 \cdot 2^{1366700} + 1$	411421	L2929	12	
1647	$778 \cdot 73^{220782} + 1$	411392	L587	13	
1648	$497 \cdot 2^{1366295} + 1$	411299	L2915	12	
1649	$1085 \cdot 2^{1366270} - 1$	411292	L1828	13	
1650	$2325 \cdot 2^{1366249} - 1$	411286	L1959	14	
1651	$1695 \cdot 2^{1365701} + 1$	411121	L527	14	
1652	$1874512^{65536} + 1$	411101	g413	08	Generalized Fermat

rank	description	digits	who	year	comment
1653	$1055 \cdot 2^{1365519} + 1$	411066	L2453	12	
1654	$77 \cdot 2^{1365452} - 1$	411044	L2074	11	
1655	$45 \cdot 2^{1365167} + 1$	410958	L1446	10	
1656	$273 \cdot 2^{1365107} - 1$	410941	L1828	13	
1657	$241489 \cdot 2^{1365062} + 1$	410930	L101	05	
1658	$19861029 \cdot 2^{1365009} - 1$	410916	L895	12	
1659	$869 \cdot 2^{1364737} + 1$	410830	L2924	12	
1660	$321 \cdot 2^{1363671} - 1$	410509	L1830	11	
1661	$555 \cdot 2^{1363577} + 1$	410481	L2413	12	
1662	$1383 \cdot 2^{1363428} - 1$	410436	L1828	13	
1663	$1828502^{65536} + 1$	410393	GF2	05	Generalized Fermat
1664	$1035 \cdot 2^{1362722} - 1$	410224	L1828	13	
1665	$171 \cdot 2^{1362662} - 1$	410205	L1959	11	
1666	$107 \cdot 2^{1362654} - 1$	410202	L621	09	
1667	$301016 \cdot 5^{586858} - 1$	410202	L2050	11	
1668	$1123 \cdot 2^{1361432} + 1$	409835	L1300	12	
1669	$47395 \cdot 2^{1361124} + 1$	409744	L2012	14	
1670	$51 \cdot 2^{1358372} + 1$	408913	L1446	10	
1671	$87 \cdot 2^{1358189} - 1$	408858	L2055	11	
1672	$205 \cdot 2^{1358016} + 1$	408806	L1745	12	
1673	$35 \cdot 2^{1357881} + 1$	408765	g279	06	
1674	$203 \cdot 2^{1357425} + 1$	408628	L1201	12	
1675	$63 \cdot 2^{1357156} - 1$	408547	L1828	11	
1676	$1455 \cdot 2^{1357070} + 1$	408522	L1134	12	
1677	$63 \cdot 2^{1356980} + 1$	408494	L181	11	
1678	$7176 \cdot 29^{279240} + 1$	408364	g103	11	
1679	$4133 \cdot 2^{1356364} - 1$	408310	L1959	13	
1680	$273 \cdot 2^{1356347} - 1$	408304	L1828	13	
1681	$223 \cdot 2^{1356316} + 1$	408295	L1158	12	
1682	$4233 \cdot 22^{304046} + 1$	408162	L1471	13	
1683	$205 \cdot 2^{1355814} + 1$	408143	L2413	12	
1684	$347 \cdot 2^{1355595} + 1$	408078	L2913	12	
1685	$357 \cdot 2^{1355535} + 1$	408060	L2873	12	
1686	$299 \cdot 2^{1355004} - 1$	407900	L426	09	
1687	$771 \cdot 2^{1354880} + 1$	407863	L2919	12	
1688	$338707 \cdot 2^{1354830} + 1$	407850	L124	05	Cullen
1689	$199 \cdot 2^{1354385} - 1$	407713	L2074	12	
1690	$1343 \cdot 2^{1354316} - 1$	407693	L1828	13	
1691	$195 \cdot 2^{1354264} + 1$	407677	L2413	12	
1692	$8331405 \cdot 2^{1353931} - 1$	407581	L260	10	
1693	$703 \cdot 2^{1353866} + 1$	407558	L2659	12	
1694	$99 \cdot 2^{1353457} + 1$	407434	L1675	11	
1695	$4151 \cdot 2^{1353222} - 1$	407365	L1959	13	
1696	$763 \cdot 2^{1352872} + 1$	407258	L2121	12	
1697	$30 \cdot 939^{137000} + 1$	407257	L1471	13	
1698	$1155 \cdot 2^{1352821} + 1$	407243	L2921	12	
1699	$367 \cdot 2^{1352793} - 1$	407234	L1830	13	
1700	$1345 \cdot 2^{1352629} - 1$	407186	L1828	13	
1701	$1085 \cdot 2^{1352556} - 1$	407163	L1828	13	
1702	$273 \cdot 2^{1352006} - 1$	406997	L1828	13	

rank	description	digits	who	year	comment
1703	$631 \cdot 2^{1351932} + 1$	406975	L1115	12	
1704	$709 \cdot 2^{1351346} + 1$	406799	L2604	12	
1705	$539 \cdot 2^{1350581} + 1$	406569	L2951	12	
1706	$837 \cdot 2^{1350463} + 1$	406533	L1745	12	
1707	$1157 \cdot 2^{1350311} + 1$	406488	L2923	12	
1708	$1005 \cdot 2^{1349820} + 1$	406340	L2920	12	
1709	$195 \cdot 2^{1349818} + 1$	406338	L1204	12	
1710	$4065 \cdot 2^{1349206} - 1$	406156	L1959	13	
1711	$269 \cdot 2^{1348497} + 1$	405941	L2916	12	
1712	$1075 \cdot 2^{1348100} + 1$	405822	L2453	12	
1713	$975 \cdot 2^{1347675} + 1$	405694	L2952	12	
1714	$1540550^{65536} + 1$	405516	GF2	03	Generalized Fermat
1715	$1191 \cdot 2^{1346923} - 1$	405468	L1828	13	
1716	$1087 \cdot 2^{1346917} - 1$	405466	L121	10	
1717	$765 \cdot 2^{1346535} + 1$	405351	L2413	12	
1718	$361 \cdot 2^{1346489} - 1$	405337	L1819	13	
1719	$4065 \cdot 2^{1346405} - 1$	405312	L1959	13	
1720	$1063959 \cdot 2^{1346269} - 1$	405274	L466	13	
1721	$721 \cdot 2^{1346084} + 1$	405215	L1387	12	
1722	$931 \cdot 2^{1344712} + 1$	404802	L1115	12	
1723	$15 \cdot 2^{1344313} - 1$	404680	L139	07	
1724	$1169 \cdot 2^{1344265} + 1$	404668	L2922	12	
1725	$319 \cdot 2^{1344059} - 1$	404605	L1819	13	
1726	$553 \cdot 2^{1344056} + 1$	404604	L2943	12	
1727	$1483076^{65536} + 1$	404434	GF2	03	Generalized Fermat
1728	$11 \cdot 2^{1343347} + 1$	404389	p169	05	Divides $GF(1343346, 6)$
1729	$1321 \cdot 2^{1343213} - 1$	404351	L1828	13	
1730	$1478036^{65536} + 1$	404337	GF2	02	Generalized Fermat
1731	$1315 \cdot 2^{1342783} - 1$	404222	L1828	13	
1732	$607 \cdot 2^{1342336} + 1$	404087	L2675	12	
1733	$941 \cdot 2^{1341569} + 1$	403856	L1204	12	
1734	$1079 \cdot 2^{1340511} + 1$	403538	L1336	12	
1735	$1197 \cdot 2^{1340338} + 1$	403486	L2525	12	
1736	$487 \cdot 2^{1340126} + 1$	403421	L1158	12	
1737	$115 \cdot 2^{1338620} + 1$	402967	L1751	11	
1738	$921 \cdot 2^{1338408} + 1$	402904	L1204	12	
1739	$1261 \cdot 2^{1338371} - 1$	402893	L1828	12	
1740	$1099 \cdot 2^{1338041} - 1$	402794	L1828	12	
1741	$89 \cdot 2^{1338001} + 1$	402781	L1223	11	
1742	$2685 \cdot 2^{1337858} - 1$	402739	L1959	14	
1743	$835 \cdot 2^{1337808} + 1$	402724	L1158	12	
1744	$2265 \cdot 2^{1337778} - 1$	402715	L1959	14	
1745	$1309 \cdot 2^{1337417} - 1$	402606	L1828	12	
1746	$54767 \cdot 2^{1337287} + 1$	402569	SB5	02	
1747	$403 \cdot 2^{1337280} + 1$	402564	L1741	12	
1748	$407 \cdot 2^{1337203} + 1$	402541	L1972	12	
1749	$107 \cdot 2^{1337019} + 1$	402485	L2659	12	Divides $GF(1337018, 10)$
1750	$1295 \cdot 2^{1337012} - 1$	402484	L1828	12	
1751	$143 \cdot 2^{1336358} - 1$	402286	L1828	12	
1752	$933 \cdot 2^{1336282} + 1$	402264	L2918	12	

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1753	$1374038^{65536} + 1$	402260	GF3	03	Generalized Fermat
1754	$863 \cdot 2^{1336093} + 1$	402208	L1480	12	
1755	$203 \cdot 2^{1335989} + 1$	402176	L1204	12	
1756	$345 \cdot 2^{1335896} + 1$	402148	L1158	12	
1757	$81 \cdot 2^{1335675} - 1$	402081	L268	08	
1758	$739 \cdot 2^{1335442} + 1$	402011	L2085	12	
1759	$1361846^{65536} + 1$	402007	GF3	02	Generalized Fermat
1760	$335 \cdot 2^{1335337} + 1$	401980	L1776	12	
1761	$83110 \cdot 151^{184411} + 1$	401833	p365	13	
1762	$1065 \cdot 2^{1334660} - 1$	401776	L1828	12	
1763	$177 \cdot 2^{1334422} - 1$	401704	L2101	12	
1764	$587 \cdot 2^{1333710} - 1$	401490	L1978	14	
1765	$87 \cdot 2^{1332741} - 1$	401197	L1828	11	
1766	$1293 \cdot 2^{1332159} - 1$	401023	L1828	12	
1767	$231 \cdot 2^{1332103} - 1$	401006	L1862	13	
1768	$8331405 \cdot 2^{1331801} - 1$	400919	L260	10	
1769	$261 \cdot 2^{1331356} + 1$	400781	L2873	12	
1770	$921 \cdot 2^{1330248} + 1$	400448	L1204	12	
1771	$18 \cdot 683^{141239} + 1$	400333	p258	13	
1772	$1341 \cdot 2^{1328829} - 1$	400021	L1828	12	
1773	$1266062^{65536} + 1$	399931	g295	02	Generalized Fermat
1774	$445 \cdot 2^{1328250} + 1$	399846	L1533	12	
1775	$1293 \cdot 2^{1327556} - 1$	399638	L1828	12	
1776	$169 \cdot 2^{1327114} + 1$	399504	L2659	12	Generalized Fermat
1777	$957 \cdot 2^{1325706} + 1$	399081	L1741	12	
1778	$1275 \cdot 2^{1325641} - 1$	399061	L1828	12	
1779	$341 \cdot 2^{1325277} + 1$	398951	L2879	12	
1780	$19 \cdot 2^{1325245} - 1$	398940	L121	10	
1781	$1089 \cdot 2^{1323857} - 1$	398524	L1828	12	
1782	$113966 \cdot 6^{511831} + 1$	398287	L1471	12	
1783	$311 \cdot 2^{1323071} + 1$	398287	L1745	12	
1784	$897 \cdot 2^{1322843} + 1$	398219	L2562	12	
1785	[ Long prime 1785 ]	398204	p44	13	
1786	$1221 \cdot 2^{1322591} - 1$	398143	L1828	12	
1787	$1371 \cdot 2^{1322077} - 1$	397988	L1828	12	
1788	$427 \cdot 2^{1321706} + 1$	397876	L2879	12	
1789	$1245 \cdot 2^{1321376} - 1$	397777	L1828	12	
1790	$471 \cdot 2^{1320865} + 1$	397623	L1935	12	
1791	$5 \cdot 2^{1320487} + 1$	397507	g55	02	Divides $GF(1320486, 12)$
1792	$2925 \cdot 2^{1319977} - 1$	397357	L1959	14	
1793	$363 \cdot 2^{1319756} + 1$	397289	L2873	12	
1794	$759 \cdot 2^{1319718} + 1$	397278	L1209	12	
1795	$4025 \cdot 2^{1319326} - 1$	397161	L1959	13	
1796	$525806!_7 + 1$	397102	p3	12	Multifactorial
1797	$375 \cdot 2^{1319127} - 1$	397100	L1830	13	
1798	$94189 \cdot 2^{1318646} + 1$	396957	L2777	13	Generalized Cullen
1799	$4121 \cdot 2^{1318570} - 1$	396933	L1959	13	
1800	$411 \cdot 2^{1318421} - 1$	396887	L3844	14	
1801	$723 \cdot 2^{1318416} + 1$	396886	L1204	12	
1802	$2565 \cdot 2^{1318176} - 1$	396814	L1959	14	

rank	description	digits	who	year	comment
1803	$513 \cdot 2^{1318074} - 1$	396783	L3844	14	
1804	$687 \cdot 2^{1318064} - 1$	396780	L1817	14	
1805	$289 \cdot 2^{1317378} + 1$	396573	L1132	12	Generalized Fermat
1806	$1225 \cdot 2^{1317269} - 1$	396541	L1828	12	
1807	$269 \cdot 2^{1317053} + 1$	396475	L1519	12	
1808	$4037 \cdot 2^{1316934} - 1$	396441	L1959	13	
1809	$250463 \cdot 2^{1316921} + 1$	396439	L764	10	
1810	$451 \cdot 2^{1316832} + 1$	396409	L1158	12	
1811	$69 \cdot 2^{1316758} + 1$	396386	L1446	11	
1812	$4059 \cdot 2^{1316549} - 1$	396325	L1959	13	
1813	$28 \cdot 731^{138318} + 1$	396133	L1471	12	
1814	$431 \cdot 2^{1315773} + 1$	396090	L1158	12	
1815	$1105 \cdot 2^{1314586} + 1$	395733	L2139	12	
1816	$2775 \cdot 2^{1314555} - 1$	395724	L1959	14	
1817	$1087540^{65536} + 1$	395605	p320	11	Generalized Fermat
1818	$987 \cdot 2^{1314127} + 1$	395595	L2891	12	
1819	$15266 \cdot 12^{366385} - 1$	395401	p325	11	Generalized Woodall
1820	$7605 \cdot 2^{1313276} - 1$	395340	L2074	13	
1821	$1110 \cdot 366^{154149} - 1$	395162	L2054	11	
1822	$30994 \cdot 5^{565095} - 1$	394989	p280	11	
1823	$357 \cdot 2^{1311930} + 1$	394933	L2085	12	
1824	$1097 \cdot 2^{1311771} + 1$	394886	L2912	12	
1825	$1057476^{65536} + 1$	394807	g197	02	Generalized Fermat
1826	$1015 \cdot 2^{1311187} - 1$	394710	L1828	12	
1827	$639 \cdot 2^{1310707} + 1$	394565	L2117	12	
1828	$1001184681 \cdot 2^{1310640} + 1$	394551	p221	09	
1829	$250107985 \cdot 2^{1310642} + 1$	394551	p221	09	
1830	$165054615 \cdot 2^{1310205} - 1$	394420	L2055	13	
1831	$395 \cdot 2^{1309751} + 1$	394277	L2826	12	
1832	$4175 \cdot 2^{1309492} - 1$	394200	L1959	13	
1833	$763 \cdot 2^{1309300} + 1$	394142	L2413	12	
1834	$1171 \cdot 2^{1309048} + 1$	394066	L2705	12	
1835	$1024390^{65536} + 1$	393902	g299	03	Generalized Fermat
1836	$1157 \cdot 2^{1308162} - 1$	393800	L1828	12	
1837	$55 \cdot 2^{1308148} + 1$	393794	L1446	11	
1838	$4059 \cdot 2^{1307909} - 1$	393724	L1959	13	
1839	$841 \cdot 2^{1307465} - 1$	393590	L1817	14	
1840	$399 \cdot 2^{1307450} + 1$	393585	L2659	12	
1841	$165054615 \cdot 2^{1307270} - 1$	393536	L2055	13	
1842	$351 \cdot 2^{1306875} + 1$	393412	L2562	12	
1843	$1329 \cdot 2^{1306295} - 1$	393238	L1828	12	
1844	$135 \cdot 2^{1306036} + 1$	393159	L1130	12	
1845	$1105 \cdot 2^{1305693} - 1$	393056	L1828	12	
1846	$1485 \cdot 2^{1305359} - 1$	392956	L1134	12	
1847	$154801 \cdot 2^{1305084} + 1$	392875	L764	10	
1848	$945 \cdot 2^{1304747} + 1$	392771	L1204	12	
1849	$83 \cdot 500^{145465} + 1$	392608	p355	12	
1850	$24217 \cdot 2^{1304085} - 1$	392574	L2055	12	
1851	$19581121 \cdot 2^{1303821} - 1$	392497	p49	09	
1852	$897 \cdot 2^{1303608} + 1$	392429	L1158	12	

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1853	$379 \cdot 2^{1302991} - 1$	392242	L1819	13	
1854	$609 \cdot 2^{1302898} + 1$	392215	L1933	12	
1855	$1695 \cdot 2^{1302827} + 1$	392194	L527	13	
1856	$117 \cdot 2^{1302764} - 1$	392174	L1959	11	
1857	$2925 \cdot 2^{1302041} - 1$	391957	L1862	13	
1858	$1185 \cdot 2^{1301930} + 1$	391924	L1745	12	
1859	$849 \cdot 2^{1301920} - 1$	391920	L2257	14	
1860	$429 \cdot 2^{1301821} + 1$	391890	L2914	12	
1861	$357 \cdot 2^{1301704} - 1$	391855	L1819	13	
1862	$81112 \cdot 151^{179764} + 1$	391707	p365	13	
1863	$4037 \cdot 2^{1300604} - 1$	391525	L1959	13	
1864	$219259 \cdot 2^{1300450} + 1$	391480	L635	10	
1865	$205 \cdot 2^{1300401} - 1$	391463	L384	10	
1866	$587 \cdot 2^{1300051} + 1$	391358	L2085	12	
1867	$93 \cdot 2^{1299926} + 1$	391319	L1446	11	
1868	$627 \cdot 2^{1299702} + 1$	391253	L1415	11	
1869	$1011 \cdot 2^{1299555} + 1$	391209	L2805	11	
1870	$151026 \cdot 5^{559670} - 1$	391198	p307	10	
1871	$607 \cdot 2^{1299277} - 1$	391125	L1817	14	
1872	$567 \cdot 2^{1298854} - 1$	390997	L1817	13	
1873	$615 \cdot 2^{1298251} + 1$	390816	L2826	11	
1874	$25 \cdot 2^{1298186} + 1$	390795	g279	05	Generalized Fermat
1875	$8331405 \cdot 2^{1297878} - 1$	390708	L260	10	
1876	$393 \cdot 2^{1297402} - 1$	390560	L644	11	
1877	$4085 \cdot 2^{1296362} - 1$	390248	L1959	13	
1878	$3938 \cdot 5^{558032} - 1$	390052	p304	10	
1879	$1215 \cdot 2^{1295400} - 1$	389958	L1828	12	
1880	$507 \cdot 2^{1295094} - 1$	389865	L1817	13	
1881	$149 \cdot 2^{1295061} + 1$	389855	L1751	11	
1882	$877 \cdot 2^{1294833} - 1$	389787	L1817	14	
1883	$1011 \cdot 2^{1294485} + 1$	389682	L2659	11	
1884	$18 \cdot 189^{171175} + 1$	389675	p289	12	
1885	$731 \cdot 2^{1294414} - 1$	389661	L1817	14	
1886	$3471 \cdot 2^{1293890} - 1$	389504	L1973	13	
1887	$125132 \cdot 6^{500528} - 1$	389492	L2777	12	Generalized Woodall
1888	$4009 \cdot 2^{1293751} - 1$	389462	L1959	13	
1889	$799 \cdot 2^{1293702} + 1$	389447	L1793	11	
1890	$563 \cdot 2^{1293468} - 1$	389376	L1817	13	
1891	$1077 \cdot 2^{1293068} + 1$	389256	L2826	11	
1892	$399 \cdot 2^{1293056} - 1$	389252	L644	10	
1893	$397 \cdot 2^{1293028} + 1$	389243	L2127	12	
1894	$1029 \cdot 2^{1292517} - 1$	389090	L1828	12	
1895	$99 \cdot 2^{1292395} - 1$	389052	L282	08	
1896	$857678^{65536} + 1$	388847	GF0	02	Generalized Fermat
1897	$475 \cdot 2^{1291353} - 1$	388739	L1817	13	
1898	$141 \cdot 2^{1291195} + 1$	388691	L2910	12	
1899	$475 \cdot 2^{1290255} - 1$	388409	L1817	13	
1900	$296642715 \cdot 2^{1290222} + 1$	388404	L3494	14	
1901	$843832^{65536} + 1$	388384	GF0	01	Generalized Fermat
1902	$1426093209627 \cdot 2^{1290000} - 1$	388341	L941	14	

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1903	1421893090275 · 2 <sup>1290000</sup> - 1	388341	L3892	14	
1904	1421878503867 · 2 <sup>1290000</sup> - 1	388341	L3891	14	
1905	1421725576425 · 2 <sup>1290000</sup> - 1	388341	L3892	14	
1906	1421499168735 · 2 <sup>1290000</sup> - 1	388341	L3255	14	
1907	1419928827777 · 2 <sup>1290000</sup> - 1	388341	L1844	14	
1908	1417285385787 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1909	1416332753517 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1910	1415413134375 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1911	1411662710577 · 2 <sup>1290000</sup> - 1	388341	L2420	14	
1912	1409846532195 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
1913	1409598816507 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1914	1408988763957 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1915	1408809845655 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1916	1407077511777 · 2 <sup>1290000</sup> - 1	388341	L2483	14	
1917	1404965117967 · 2 <sup>1290000</sup> - 1	388341	L3521	14	
1918	1404832223487 · 2 <sup>1290000</sup> - 1	388341	L3884	14	
1919	1404721812237 · 2 <sup>1290000</sup> - 1	388341	L3871	14	
1920	1401136563447 · 2 <sup>1290000</sup> - 1	388341	L3883	14	
1921	1399057918755 · 2 <sup>1290000</sup> - 1	388341	L3380	14	
1922	1398864471387 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
1923	1395777735165 · 2 <sup>1290000</sup> - 1	388341	L2420	14	
1924	1395662544285 · 2 <sup>1290000</sup> - 1	388341	L3880	14	
1925	1391710073385 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1926	1389464772285 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1927	1385351293947 · 2 <sup>1290000</sup> - 1	388341	L2601	14	
1928	1385245767435 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1929	1383662943117 · 2 <sup>1290000</sup> - 1	388341	L3331	14	
1930	1383507120525 · 2 <sup>1290000</sup> - 1	388341	L3492	14	
1931	1383317261487 · 2 <sup>1290000</sup> - 1	388341	L3560	14	
1932	1382779047405 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
1933	1380940810317 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
1934	1379867389827 · 2 <sup>1290000</sup> - 1	388341	L2194	14	
1935	1378837619397 · 2 <sup>1290000</sup> - 1	388341	L941	14	
1936	1378729467747 · 2 <sup>1290000</sup> - 1	388341	L3706	14	
1937	1377455677887 · 2 <sup>1290000</sup> - 1	388341	L1695	14	
1938	1376616320427 · 2 <sup>1290000</sup> - 1	388341	L3874	14	
1939	1375598661885 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
1940	1373946265065 · 2 <sup>1290000</sup> - 1	388341	L3401	14	
1941	1371818209947 · 2 <sup>1290000</sup> - 1	388341	L3871	14	
1942	1369860760845 · 2 <sup>1290000</sup> - 1	388341	L3674	14	
1943	1369618355625 · 2 <sup>1290000</sup> - 1	388341	L1587	14	
1944	1367922865515 · 2 <sup>1290000</sup> - 1	388341	L3648	14	
1945	1367192347365 · 2 <sup>1290000</sup> - 1	388341	L596	14	
1946	1366913629347 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1947	1366349229177 · 2 <sup>1290000</sup> - 1	388341	L927	14	
1948	1365815806875 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
1949	1365073633005 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
1950	1363505507457 · 2 <sup>1290000</sup> - 1	388341	L3842	14	
1951	1360877788767 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
1952	1360658041545 · 2 <sup>1290000</sup> - 1	388341	L3858	14	



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1953	1358191901547 · 2 <sup>1290000</sup> - 1	388341	L3401	14	
1954	1355638689207 · 2 <sup>1290000</sup> - 1	388341	L3632	14	
1955	1354132252587 · 2 <sup>1290000</sup> - 1	388341	L3651	14	
1956	1353798101535 · 2 <sup>1290000</sup> - 1	388341	L3866	14	
1957	1352225947077 · 2 <sup>1290000</sup> - 1	388341	L2482	14	
1958	1351756886235 · 2 <sup>1290000</sup> - 1	388341	L2231	14	
1959	1351249131267 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1960	1348862771637 · 2 <sup>1290000</sup> - 1	388341	L1617	14	
1961	1348023164367 · 2 <sup>1290000</sup> - 1	388341	L2420	14	
1962	1347832444647 · 2 <sup>1290000</sup> - 1	388341	L3852	14	
1963	1347402800187 · 2 <sup>1290000</sup> - 1	388341	L1219	14	
1964	1345609563237 · 2 <sup>1290000</sup> - 1	388341	L3401	14	
1965	1345228454607 · 2 <sup>1290000</sup> - 1	388341	L1591	14	
1966	1344573993915 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
1967	1344504836085 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1968	1343970389835 · 2 <sup>1290000</sup> - 1	388341	L3842	14	
1969	1341149175837 · 2 <sup>1290000</sup> - 1	388341	L3853	14	
1970	1339926748275 · 2 <sup>1290000</sup> - 1	388341	L3846	14	
1971	1338984890397 · 2 <sup>1290000</sup> - 1	388341	L1591	14	
1972	1338815196645 · 2 <sup>1290000</sup> - 1	388341	L3509	14	
1973	1337791586985 · 2 <sup>1290000</sup> - 1	388341	L3602	14	
1974	1335620049585 · 2 <sup>1290000</sup> - 1	388341	L3847	14	
1975	1334448977517 · 2 <sup>1290000</sup> - 1	388341	L3845	14	
1976	1333578889155 · 2 <sup>1290000</sup> - 1	388341	L3842	14	
1977	1332167545977 · 2 <sup>1290000</sup> - 1	388341	L2775	14	
1978	1332117930057 · 2 <sup>1290000</sup> - 1	388341	L3842	14	
1979	1330770635385 · 2 <sup>1290000</sup> - 1	388341	L3841	14	
1980	1329147720105 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1981	1328386927707 · 2 <sup>1290000</sup> - 1	388341	L3380	14	
1982	1327992831165 · 2 <sup>1290000</sup> - 1	388341	L3840	14	
1983	1327385659455 · 2 <sup>1290000</sup> - 1	388341	L2204	14	
1984	1327000086615 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1985	1326669382857 · 2 <sup>1290000</sup> - 1	388341	L3347	14	
1986	1325445664317 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1987	1323382008375 · 2 <sup>1290000</sup> - 1	388341	L3651	14	
1988	1322849362917 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1989	1321954316835 · 2 <sup>1290000</sup> - 1	388341	L3819	14	
1990	1321870671555 · 2 <sup>1290000</sup> - 1	388341	L3602	14	
1991	1321051328415 · 2 <sup>1290000</sup> - 1	388341	L3829	14	
1992	1319971728075 · 2 <sup>1290000</sup> - 1	388341	L3819	14	
1993	1319624021397 · 2 <sup>1290000</sup> - 1	388341	L2420	14	
1994	1319118191655 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1995	1318964157075 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
1996	1318230789027 · 2 <sup>1290000</sup> - 1	388341	L3837	14	
1997	1315876192935 · 2 <sup>1290000</sup> - 1	388341	L3651	14	
1998	1313036021295 · 2 <sup>1290000</sup> - 1	388341	L2436	14	
1999	1312103117145 · 2 <sup>1290000</sup> - 1	388341	L3832	14	
2000	1308450095997 · 2 <sup>1290000</sup> - 1	388341	L3831	14	
2001	1306274034795 · 2 <sup>1290000</sup> - 1	388341	L2483	14	
2002	1303865892147 · 2 <sup>1290000</sup> - 1	388341	L1704	14	

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2003	1302684995367 · 2 <sup>1290000</sup> - 1	388341	L3429	14	
2004	1302000622347 · 2 <sup>1290000</sup> - 1	388341	L3746	14	
2005	1301209790415 · 2 <sup>1290000</sup> - 1	388341	L3829	14	
2006	1300612852437 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2007	1300274732577 · 2 <sup>1290000</sup> - 1	388341	L3546	14	
2008	1300011605655 · 2 <sup>1290000</sup> - 1	388341	L3828	14	
2009	1299908352927 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
2010	1298786723517 · 2 <sup>1290000</sup> - 1	388341	L3827	14	
2011	1298329417245 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2012	1297147560975 · 2 <sup>1290000</sup> - 1	388341	L3751	14	
2013	1296643077765 · 2 <sup>1290000</sup> - 1	388341	L3826	14	
2014	1295373347037 · 2 <sup>1290000</sup> - 1	388341	L2332	14	
2015	1294834358517 · 2 <sup>1290000</sup> - 1	388341	L2483	14	
2016	1290928967757 · 2 <sup>1290000</sup> - 1	388341	L1726	14	
2017	1289702588067 · 2 <sup>1290000</sup> - 1	388341	L596	14	
2018	1289302463127 · 2 <sup>1290000</sup> - 1	388341	L3823	14	
2019	1287279330867 · 2 <sup>1290000</sup> - 1	388341	L3819	14	
2020	1287113570307 · 2 <sup>1290000</sup> - 1	388341	L3817	14	
2021	1285928269227 · 2 <sup>1290000</sup> - 1	388341	L3818	14	
2022	1285508416575 · 2 <sup>1290000</sup> - 1	388341	L3392	14	
2023	1284054747855 · 2 <sup>1290000</sup> - 1	388341	L2035	14	
2024	1282593788817 · 2 <sup>1290000</sup> - 1	388341	L3815	14	
2025	1280455244367 · 2 <sup>1290000</sup> - 1	388341	L3822	14	
2026	1279847418447 · 2 <sup>1290000</sup> - 1	388341	L3634	14	
2027	1279182707955 · 2 <sup>1290000</sup> - 1	388341	L1920	14	
2028	1278172259367 · 2 <sup>1290000</sup> - 1	388341	L3634	14	
2029	1276841924787 · 2 <sup>1290000</sup> - 1	388341	L3529	14	
2030	1276209076497 · 2 <sup>1290000</sup> - 1	388341	L3634	14	
2031	1275321043815 · 2 <sup>1290000</sup> - 1	388341	L3634	14	
2032	1274562951315 · 2 <sup>1290000</sup> - 1	388341	L3811	14	
2033	1272951004125 · 2 <sup>1290000</sup> - 1	388341	L2601	14	
2034	1272008729325 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2035	1270893358275 · 2 <sup>1290000</sup> - 1	388341	L3634	14	
2036	1267183049475 · 2 <sup>1290000</sup> - 1	388341	L3809	14	
2037	1267113304917 · 2 <sup>1290000</sup> - 1	388341	L1992	14	
2038	1264613044977 · 2 <sup>1290000</sup> - 1	388341	L1920	14	
2039	1261161705555 · 2 <sup>1290000</sup> - 1	388341	L3805	14	
2040	1260329950665 · 2 <sup>1290000</sup> - 1	388341	L3765	14	
2041	1257984984417 · 2 <sup>1290000</sup> - 1	388341	L2775	14	
2042	1257427381395 · 2 <sup>1290000</sup> - 1	388341	L3546	14	
2043	1253806275477 · 2 <sup>1290000</sup> - 1	388341	L3425	14	
2044	1252879215705 · 2 <sup>1290000</sup> - 1	388341	L3799	14	
2045	1252530756207 · 2 <sup>1290000</sup> - 1	388341	L3804	14	
2046	1252200504837 · 2 <sup>1290000</sup> - 1	388341	L3821	14	
2047	1251973294497 · 2 <sup>1290000</sup> - 1	388341	L3495	14	
2048	1250477575587 · 2 <sup>1290000</sup> - 1	388341	L3741	14	
2049	1250254213437 · 2 <sup>1290000</sup> - 1	388341	L3801	14	
2050	1249155607425 · 2 <sup>1290000</sup> - 1	388341	L3653	14	
2051	1247560502235 · 2 <sup>1290000</sup> - 1	388341	L2679	14	
2052	1247252803617 · 2 <sup>1290000</sup> - 1	388341	L2577	14	

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2053	1243685827965 · 2 <sup>1290000</sup> - 1	388341	L324	14	
2054	1242992170605 · 2 <sup>1290000</sup> - 1	388341	L3792	14	
2055	1240271690355 · 2 <sup>1290000</sup> - 1	388341	L1921	14	
2056	1238483555445 · 2 <sup>1290000</sup> - 1	388341	L1992	14	
2057	1234697178795 · 2 <sup>1290000</sup> - 1	388341	L3716	14	
2058	1231771061367 · 2 <sup>1290000</sup> - 1	388341	L3788	14	
2059	1230976538025 · 2 <sup>1290000</sup> - 1	388341	L2512	14	
2060	1228390630395 · 2 <sup>1290000</sup> - 1	388341	L927	14	
2061	1226955524727 · 2 <sup>1290000</sup> - 1	388341	L2527	14	
2062	1226041085967 · 2 <sup>1290000</sup> - 1	388341	L3602	14	
2063	1221770269905 · 2 <sup>1290000</sup> - 1	388341	L3331	14	
2064	1220468887995 · 2 <sup>1290000</sup> - 1	388341	L3741	14	
2065	1219614946905 · 2 <sup>1290000</sup> - 1	388341	L3399	14	
2066	1219444105245 · 2 <sup>1290000</sup> - 1	388341	L3782	14	
2067	1219095316437 · 2 <sup>1290000</sup> - 1	388341	L3651	14	
2068	1218589180245 · 2 <sup>1290000</sup> - 1	388341	L3765	14	
2069	1215345034545 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2070	1214578835307 · 2 <sup>1290000</sup> - 1	388341	L3778	14	
2071	1211682757827 · 2 <sup>1290000</sup> - 1	388341	L3392	14	
2072	1211396534955 · 2 <sup>1290000</sup> - 1	388341	L3776	14	
2073	1209387608907 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
2074	1207909103445 · 2 <sup>1290000</sup> - 1	388341	L3795	14	
2075	1207310191677 · 2 <sup>1290000</sup> - 1	388341	L3779	14	
2076	1205769875775 · 2 <sup>1290000</sup> - 1	388341	L2204	14	
2077	1205405161515 · 2 <sup>1290000</sup> - 1	388341	L3777	14	
2078	1205045332515 · 2 <sup>1290000</sup> - 1	388341	L3774	14	
2079	1204508462547 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2080	1204222377405 · 2 <sup>1290000</sup> - 1	388341	L3394	14	
2081	1202862502935 · 2 <sup>1290000</sup> - 1	388341	L1992	14	
2082	1201479504615 · 2 <sup>1290000</sup> - 1	388341	L3771	14	
2083	1201123803927 · 2 <sup>1290000</sup> - 1	388341	L3741	14	
2084	1199891135835 · 2 <sup>1290000</sup> - 1	388341	L3380	14	
2085	1199154561297 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
2086	1198376992095 · 2 <sup>1290000</sup> - 1	388341	L2204	14	
2087	1194137107347 · 2 <sup>1290000</sup> - 1	388341	L3203	14	
2088	1193342531157 · 2 <sup>1290000</sup> - 1	388341	L3769	14	
2089	1191694340655 · 2 <sup>1290000</sup> - 1	388341	L3399	14	
2090	1191403796355 · 2 <sup>1290000</sup> - 1	388341	L3498	14	
2091	1188581180295 · 2 <sup>1290000</sup> - 1	388341	L3765	14	
2092	1187886713667 · 2 <sup>1290000</sup> - 1	388341	L3255	14	
2093	1187340723915 · 2 <sup>1290000</sup> - 1	388341	L3766	14	
2094	1187213925135 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
2095	1184707357557 · 2 <sup>1290000</sup> - 1	388341	L3747	14	
2096	1181830688397 · 2 <sup>1290000</sup> - 1	388341	L3747	14	
2097	1181240422227 · 2 <sup>1290000</sup> - 1	388341	L3554	14	
2098	1179369704817 · 2 <sup>1290000</sup> - 1	388341	L3761	14	
2099	1179138203787 · 2 <sup>1290000</sup> - 1	388341	L2511	14	
2100	1178829471867 · 2 <sup>1290000</sup> - 1	388341	L3747	14	
2101	1178343698397 · 2 <sup>1290000</sup> - 1	388341	L2204	14	
2102	1177700741217 · 2 <sup>1290000</sup> - 1	388341	L3747	14	

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2103	1177162709415 · 2 <sup>1290000</sup> - 1	388341	L2472	14	
2104	1172406009045 · 2 <sup>1290000</sup> - 1	388341	L957	14	
2105	1168940989755 · 2 <sup>1290000</sup> - 1	388341	L3741	14	
2106	1168934752797 · 2 <sup>1290000</sup> - 1	388341	L2679	13	
2107	1168174212795 · 2 <sup>1290000</sup> - 1	388341	L3747	13	
2108	1167966409197 · 2 <sup>1290000</sup> - 1	388341	L3747	14	
2109	1164710569407 · 2 <sup>1290000</sup> - 1	388341	L3590	13	
2110	1161207962847 · 2 <sup>1290000</sup> - 1	388341	L596	14	
2111	1160119347285 · 2 <sup>1290000</sup> - 1	388341	L3546	13	
2112	1160013767895 · 2 <sup>1290000</sup> - 1	388341	L3756	13	
2113	1159641700815 · 2 <sup>1290000</sup> - 1	388341	L2512	14	
2114	1159170525795 · 2 <sup>1290000</sup> - 1	388341	L3747	13	
2115	1158896696235 · 2 <sup>1290000</sup> - 1	388341	L3754	13	
2116	1158628172907 · 2 <sup>1290000</sup> - 1	388341	L1219	13	
2117	1158596020965 · 2 <sup>1290000</sup> - 1	388341	L3751	13	
2118	1157625866397 · 2 <sup>1290000</sup> - 1	388341	L3546	13	
2119	1154012056437 · 2 <sup>1290000</sup> - 1	388341	L375	13	
2120	1153704503637 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2121	1152097577535 · 2 <sup>1290000</sup> - 1	388341	L3746	13	
2122	1151163876795 · 2 <sup>1290000</sup> - 1	388341	L3634	13	
2123	1147793253495 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2124	1147684911975 · 2 <sup>1290000</sup> - 1	388341	L3741	13	
2125	1147583305827 · 2 <sup>1290000</sup> - 1	388341	L992	14	
2126	1147042745907 · 2 <sup>1290000</sup> - 1	388341	L2679	13	
2127	1146194696397 · 2 <sup>1290000</sup> - 1	388341	L2679	13	
2128	1146149349075 · 2 <sup>1290000</sup> - 1	388341	L3745	13	
2129	1144325099487 · 2 <sup>1290000</sup> - 1	388341	L3740	13	
2130	1143933001785 · 2 <sup>1290000</sup> - 1	388341	L3394	13	
2131	1141100366157 · 2 <sup>1290000</sup> - 1	388341	L3651	13	
2132	1140774031707 · 2 <sup>1290000</sup> - 1	388341	L1992	13	
2133	1138334454075 · 2 <sup>1290000</sup> - 1	388341	L3734	13	
2134	1136399992737 · 2 <sup>1290000</sup> - 1	388341	L2152	13	
2135	1135946642187 · 2 <sup>1290000</sup> - 1	388341	L2264	13	
2136	1134914346267 · 2 <sup>1290000</sup> - 1	388341	L3429	13	
2137	1130826639915 · 2 <sup>1290000</sup> - 1	388341	L2693	13	
2138	1128710732277 · 2 <sup>1290000</sup> - 1	388341	L3730	13	
2139	1126976603727 · 2 <sup>1290000</sup> - 1	388341	L3718	13	
2140	1126664017437 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2141	1126409632467 · 2 <sup>1290000</sup> - 1	388341	L955	13	
2142	1126046180985 · 2 <sup>1290000</sup> - 1	388341	L1126	13	
2143	1125156360627 · 2 <sup>1290000</sup> - 1	388341	L3741	13	
2144	1124268113925 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2145	1123500185145 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2146	1122965314515 · 2 <sup>1290000</sup> - 1	388341	L3729	13	
2147	1122878083917 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2148	1120950876675 · 2 <sup>1290000</sup> - 1	388341	L3255	13	
2149	1119992865087 · 2 <sup>1290000</sup> - 1	388341	L3602	13	
2150	1118912885937 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2151	1118285427087 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2152	1118092122045 · 2 <sup>1290000</sup> - 1	388341	L3602	13	

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2153	1117413349635 · 2 <sup>1290000</sup> - 1	388341	L3723	13	
2154	1114412040885 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2155	1114195470327 · 2 <sup>1290000</sup> - 1	388341	L3701	13	
2156	1110498744105 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2157	1109961177255 · 2 <sup>1290000</sup> - 1	388341	L3718	13	
2158	1109362875525 · 2 <sup>1290000</sup> - 1	388341	L3722	13	
2159	1109072939565 · 2 <sup>1290000</sup> - 1	388341	L3634	13	
2160	1107570189687 · 2 <sup>1290000</sup> - 1	388341	L1695	13	
2161	1107365779047 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2162	1106798537997 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2163	1106484548097 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2164	1106442719475 · 2 <sup>1290000</sup> - 1	388341	L3701	13	
2165	1105559302767 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2166	1104368190285 · 2 <sup>1290000</sup> - 1	388341	L1992	13	
2167	1103967075645 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2168	1101969629787 · 2 <sup>1290000</sup> - 1	388341	L1391	13	
2169	1094273062815 · 2 <sup>1290000</sup> - 1	388341	L3715	13	
2170	1091894647917 · 2 <sup>1290000</sup> - 1	388341	L1992	13	
2171	1087307860917 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2172	1086565951947 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2173	1086338423667 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2174	1084863892677 · 2 <sup>1290000</sup> - 1	388341	L3488	13	
2175	1083229872447 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2176	1082479039185 · 2 <sup>1290000</sup> - 1	388341	L3816	14	
2177	1081985488215 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2178	1081543957035 · 2 <sup>1290000</sup> - 1	388341	L3710	13	
2179	1081059875535 · 2 <sup>1290000</sup> - 1	388341	L2512	13	
2180	1080955629525 · 2 <sup>1290000</sup> - 1	388341	L3708	13	
2181	1079272341987 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2182	1077210057345 · 2 <sup>1290000</sup> - 1	388341	L1994	13	
2183	1074205073835 · 2 <sup>1290000</sup> - 1	388341	L2760	13	
2184	1073836801305 · 2 <sup>1290000</sup> - 1	388341	L3703	13	
2185	1073394950325 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2186	1072431944085 · 2 <sup>1290000</sup> - 1	388341	L1617	13	
2187	1070191827735 · 2 <sup>1290000</sup> - 1	388341	L3704	13	
2188	1069254072507 · 2 <sup>1290000</sup> - 1	388341	L3706	13	
2189	1067950803825 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2190	1063778062707 · 2 <sup>1290000</sup> - 1	388341	L3701	13	
2191	1061613055785 · 2 <sup>1290000</sup> - 1	388341	L986	13	
2192	1060942890975 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2193	1060665898407 · 2 <sup>1290000</sup> - 1	388341	L3380	13	
2194	1059800750325 · 2 <sup>1290000</sup> - 1	388341	L3316	13	
2195	1059127077297 · 2 <sup>1290000</sup> - 1	388341	L3697	13	
2196	1056445957257 · 2 <sup>1290000</sup> - 1	388341	L3697	13	
2197	1055721308325 · 2 <sup>1290000</sup> - 1	388341	L3270	13	
2198	1054899866865 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2199	1053802969485 · 2 <sup>1290000</sup> - 1	388341	L986	13	
2200	1053617800917 · 2 <sup>1290000</sup> - 1	388341	L3694	13	
2201	1050685023897 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2202	1047660722997 · 2 <sup>1290000</sup> - 1	388341	L3574	13	

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2203	1046786302707 · 2 <sup>1290000</sup> - 1	388341	L3574	13	
2204	1045698318045 · 2 <sup>1290000</sup> - 1	388341	L2482	13	
2205	1041951957975 · 2 <sup>1290000</sup> - 1	388341	L3689	13	
2206	1038901936635 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2207	1037485910937 · 2 <sup>1290000</sup> - 1	388341	L3692	13	
2208	1037337229197 · 2 <sup>1290000</sup> - 1	388341	L3651	13	
2209	1033980522237 · 2 <sup>1290000</sup> - 1	388341	L3690	13	
2210	1031789849127 · 2 <sup>1290000</sup> - 1	388341	L2760	13	
2211	1028108594385 · 2 <sup>1290000</sup> - 1	388341	L3332	13	
2212	1025973168267 · 2 <sup>1290000</sup> - 1	388341	L3683	13	
2213	1025297434707 · 2 <sup>1290000</sup> - 1	388341	L2393	13	
2214	1025262476355 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2215	1024046665827 · 2 <sup>1290000</sup> - 1	388341	L3680	13	
2216	1022500112697 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2217	1022094931275 · 2 <sup>1290000</sup> - 1	388341	L3681	13	
2218	1022077360785 · 2 <sup>1290000</sup> - 1	388341	L3716	13	
2219	1020695345337 · 2 <sup>1290000</sup> - 1	388341	L2768	13	
2220	1019771520357 · 2 <sup>1290000</sup> - 1	388341	L3677	13	
2221	1019649424647 · 2 <sup>1290000</sup> - 1	388341	L3687	13	
2222	1019428935327 · 2 <sup>1290000</sup> - 1	388341	L3684	13	
2223	1014340708377 · 2 <sup>1290000</sup> - 1	388341	L3210	13	
2224	1013852682705 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2225	1013801112795 · 2 <sup>1290000</sup> - 1	388341	L2165	13	
2226	1013403119445 · 2 <sup>1290000</sup> - 1	388341	L2340	13	
2227	1013078775735 · 2 <sup>1290000</sup> - 1	388341	L3638	13	
2228	1009250298285 · 2 <sup>1290000</sup> - 1	388341	L3651	13	
2229	1006208359095 · 2 <sup>1290000</sup> - 1	388341	L3651	13	
2230	1006152210945 · 2 <sup>1290000</sup> - 1	388341	L3674	13	
2231	1005777719697 · 2 <sup>1290000</sup> - 1	388341	L3517	13	
2232	1005346134765 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2233	1004839330467 · 2 <sup>1290000</sup> - 1	388341	L1695	13	
2234	999621694437 · 2 <sup>1290000</sup> - 1	388341	L2435	13	
2235	998381855187 · 2 <sup>1290000</sup> - 1	388341	L3530	13	
2236	994866622857 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2237	993033944775 · 2 <sup>1290000</sup> - 1	388341	L3669	13	
2238	992804062035 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2239	991306658235 · 2 <sup>1290000</sup> - 1	388341	L2774	13	
2240	988443269355 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2241	987951536355 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2242	987947546187 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2243	986960139027 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2244	986646492837 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2245	985377618255 · 2 <sup>1290000</sup> - 1	388341	L2165	13	
2246	984971842125 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2247	984815265315 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2248	984502095915 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2249	984020087235 · 2 <sup>1290000</sup> - 1	388341	L3667	13	
2250	982862680875 · 2 <sup>1290000</sup> - 1	388341	L2760	13	
2251	981854461437 · 2 <sup>1290000</sup> - 1	388341	L3661	13	
2252	980419317267 · 2 <sup>1290000</sup> - 1	388341	L2601	13	

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2253	979631785767 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2254	972354899637 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2255	971800484457 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2256	968312379687 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2257	966671575047 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2258	966517373307 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2259	964565245527 · 2 <sup>1290000</sup> - 1	388341	L3655	13	
2260	963720102345 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2261	960513995355 · 2 <sup>1290000</sup> - 1	388341	L3530	13	
2262	957710754135 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2263	957079417485 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2264	955894391307 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2265	954515883207 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2266	952957381677 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2267	951143741385 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2268	950702910927 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2269	950041665225 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2270	949825612395 · 2 <sup>1290000</sup> - 1	388341	L2482	13	
2271	948009634647 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2272	947544284685 · 2 <sup>1290000</sup> - 1	388341	L3602	13	
2273	947172395097 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2274	946728962067 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2275	945935699355 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2276	944273417817 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2277	941940401307 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2278	941332557825 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2279	941193209817 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2280	940558054077 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2281	939782353167 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2282	935256026637 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2283	934848261657 · 2 <sup>1290000</sup> - 1	388341	L3478	13	
2284	933378344775 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2285	933069639315 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2286	930685545387 · 2 <sup>1290000</sup> - 1	388341	L3387	13	
2287	929292816195 · 2 <sup>1290000</sup> - 1	388341	L3652	13	
2288	928112296947 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2289	927438140865 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2290	926915691117 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2291	923249438895 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2292	922287228075 · 2 <sup>1290000</sup> - 1	388341	L1704	13	
2293	920524257915 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2294	920470469457 · 2 <sup>1290000</sup> - 1	388341	L3654	13	
2295	920157814677 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2296	919969693965 · 2 <sup>1290000</sup> - 1	388341	L3651	13	
2297	919571680335 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2298	918750404775 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2299	918102769257 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2300	915076577607 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2301	914750194545 · 2 <sup>1290000</sup> - 1	388341	L3521	13	
2302	914170194117 · 2 <sup>1290000</sup> - 1	388341	L3653	13	

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2303	912572197665 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2304	912420115455 · 2 <sup>1290000</sup> - 1	388341	L3521	13	
2305	908954560587 · 2 <sup>1290000</sup> - 1	388341	L1683	13	
2306	908296607487 · 2 <sup>1290000</sup> - 1	388341	L2287	13	
2307	907717371825 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2308	903461791617 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2309	903420729027 · 2 <sup>1290000</sup> - 1	388341	L3647	13	
2310	899679370917 · 2 <sup>1290000</sup> - 1	388341	L3648	13	
2311	899202841647 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2312	898167691347 · 2 <sup>1290000</sup> - 1	388341	L3643	13	
2313	896401769895 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2314	894637861395 · 2 <sup>1290000</sup> - 1	388341	L1617	13	
2315	893189310477 · 2 <sup>1290000</sup> - 1	388341	L3606	13	
2316	888605121675 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2317	888393312837 · 2 <sup>1290000</sup> - 1	388341	L2457	13	
2318	888301472835 · 2 <sup>1290000</sup> - 1	388341	L3637	13	
2319	887224672425 · 2 <sup>1290000</sup> - 1	388341	L3642	13	
2320	885721881807 · 2 <sup>1290000</sup> - 1	388341	L3644	13	
2321	885236623455 · 2 <sup>1290000</sup> - 1	388341	L1844	13	
2322	883666066155 · 2 <sup>1290000</sup> - 1	388341	L3634	13	
2323	883240798125 · 2 <sup>1290000</sup> - 1	388341	L3636	13	
2324	882585723087 · 2 <sup>1290000</sup> - 1	388341	L3639	13	
2325	881424702405 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2326	880493050785 · 2 <sup>1290000</sup> - 1	388341	L3635	13	
2327	880482001467 · 2 <sup>1290000</sup> - 1	388341	L2482	13	
2328	878639678847 · 2 <sup>1290000</sup> - 1	388341	L3615	13	
2329	878374978005 · 2 <sup>1290000</sup> - 1	388341	L3638	13	
2330	878050315047 · 2 <sup>1290000</sup> - 1	388341	L1866	13	
2331	878000438817 · 2 <sup>1290000</sup> - 1	388341	L3599	13	
2332	876343168155 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2333	876300336177 · 2 <sup>1290000</sup> - 1	388341	L3632	13	
2334	876222091017 · 2 <sup>1290000</sup> - 1	388341	L2601	13	
2335	875738417277 · 2 <sup>1290000</sup> - 1	388341	L3633	13	
2336	875664474447 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2337	874292185347 · 2 <sup>1290000</sup> - 1	388341	L3628	13	
2338	871849312617 · 2 <sup>1290000</sup> - 1	388341	L3631	13	
2339	870157826865 · 2 <sup>1290000</sup> - 1	388341	L3390	13	
2340	869864816007 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2341	869647892337 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2342	867437170857 · 2 <sup>1290000</sup> - 1	388341	L3627	13	
2343	864229553085 · 2 <sup>1290000</sup> - 1	388341	L3623	13	
2344	860584652517 · 2 <sup>1290000</sup> - 1	388341	L3626	13	
2345	859754363967 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2346	859539105297 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2347	858477576297 · 2 <sup>1290000</sup> - 1	388341	L1866	13	
2348	856533636675 · 2 <sup>1290000</sup> - 1	388341	L3621	13	
2349	855672648075 · 2 <sup>1290000</sup> - 1	388341	L3618	13	
2350	855320190345 · 2 <sup>1290000</sup> - 1	388341	L1633	13	
2351	854454107955 · 2 <sup>1290000</sup> - 1	388341	L3615	13	
2352	854014423605 · 2 <sup>1290000</sup> - 1	388341	L986	13	



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2353	850825168695 · 2 <sup>1290000</sup> - 1	388341	L3622	13	
2354	850314091107 · 2 <sup>1290000</sup> - 1	388341	L3613	13	
2355	850039468245 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2356	848437471227 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2357	846919408695 · 2 <sup>1290000</sup> - 1	388341	L2360	13	
2358	845860149645 · 2 <sup>1290000</sup> - 1	388341	L2457	13	
2359	845299920495 · 2 <sup>1290000</sup> - 1	388341	L3392	13	
2360	843928486905 · 2 <sup>1290000</sup> - 1	388341	L2197	13	
2361	843016476507 · 2 <sup>1290000</sup> - 1	388341	L3371	13	
2362	839085453477 · 2 <sup>1290000</sup> - 1	388341	L3608	13	
2363	836377098945 · 2 <sup>1290000</sup> - 1	388341	L3606	13	
2364	834341653785 · 2 <sup>1290000</sup> - 1	388341	L2320	13	
2365	833507909325 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2366	832280598765 · 2 <sup>1290000</sup> - 1	388341	L1992	13	
2367	831542710605 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2368	830276810295 · 2 <sup>1290000</sup> - 1	388341	L3603	13	
2369	829614956877 · 2 <sup>1290000</sup> - 1	388341	L3611	13	
2370	829375600497 · 2 <sup>1290000</sup> - 1	388341	L3478	13	
2371	829002832647 · 2 <sup>1290000</sup> - 1	388341	L3605	13	
2372	828492868635 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2373	827973164865 · 2 <sup>1290000</sup> - 1	388341	L3478	13	
2374	826705845105 · 2 <sup>1290000</sup> - 1	388341	L3600	13	
2375	823706004555 · 2 <sup>1290000</sup> - 1	388341	L341	13	
2376	823438630947 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2377	822973127427 · 2 <sup>1290000</sup> - 1	388341	L3596	13	
2378	822849486585 · 2 <sup>1290000</sup> - 1	388341	L2405	13	
2379	821593351845 · 2 <sup>1290000</sup> - 1	388341	L3602	13	
2380	820760612787 · 2 <sup>1290000</sup> - 1	388341	L3599	13	
2381	820723060677 · 2 <sup>1290000</sup> - 1	388341	L2435	13	
2382	820135820457 · 2 <sup>1290000</sup> - 1	388341	L3346	13	
2383	820102913775 · 2 <sup>1290000</sup> - 1	388341	L3236	13	
2384	819177521697 · 2 <sup>1290000</sup> - 1	388341	L2472	13	
2385	814817666817 · 2 <sup>1290000</sup> - 1	388341	L3590	13	
2386	813989439417 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2387	809413600047 · 2 <sup>1290000</sup> - 1	388341	L3331	13	
2388	809007544455 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2389	808744158105 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2390	806881982265 · 2 <sup>1290000</sup> - 1	388341	L992	13	
2391	804501663177 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2392	804083950257 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2393	801733068405 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2394	800717968827 · 2 <sup>1290000</sup> - 1	388341	L2165	13	
2395	799143902895 · 2 <sup>1290000</sup> - 1	388341	L3591	13	
2396	798493609665 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2397	797735864247 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2398	795154352505 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2399	794973711777 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2400	791655829167 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2401	790668022347 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2402	788897634525 · 2 <sup>1290000</sup> - 1	388341	L3550	13	

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2403	786484820235 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2404	785807061627 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2405	784683127455 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2406	784173558327 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2407	781491518145 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2408	780988107765 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2409	780094698315 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2410	778889945715 · 2 <sup>1290000</sup> - 1	388341	L3419	13	
2411	778227467685 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2412	778202572035 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2413	777217454097 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2414	772880419995 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2415	772763684355 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2416	772172802735 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2417	770960461995 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2418	770527213395 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2419	769939190715 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2420	769842431967 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2421	769515689085 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2422	768825179685 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2423	768493578435 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2424	767979630735 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2425	767672240547 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2426	767444293257 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2427	767104512405 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2428	763549262187 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2429	761971146825 · 2 <sup>1290000</sup> - 1	388341	L3582	13	
2430	761182534455 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2431	760598148585 · 2 <sup>1290000</sup> - 1	388341	L2423	13	
2432	760250128137 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2433	757605926997 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2434	757145028447 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2435	756859648977 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2436	755730605115 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2437	755347333107 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2438	754113209127 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2439	753752769915 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2440	751305641595 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2441	750972083325 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2442	749019938637 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2443	747688413507 · 2 <sup>1290000</sup> - 1	388341	L1563	13	
2444	747579165837 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2445	747242198565 · 2 <sup>1290000</sup> - 1	388341	L992	13	
2446	744892886157 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2447	744867929577 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2448	743879220357 · 2 <sup>1290000</sup> - 1	388341	L3560	13	
2449	743155848477 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2450	742816460787 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2451	740405839815 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2452	740367863007 · 2 <sup>1290000</sup> - 1	388341	L3550	13	

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2454	739153581015 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2455	738783951435 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2456	738642222477 · 2 <sup>1290000</sup> - 1	388341	L3578	13	
2457	737104389465 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2458	736757583555 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2459	736664234577 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2460	734689728285 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2461	733633674867 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2462	731362328595 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2463	728372175645 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2464	727444781565 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2465	725175563385 · 2 <sup>1290000</sup> - 1	388341	L2197	13	
2466	724880607687 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2467	721744120797 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2468	721191764835 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2469	720576978537 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2470	718171996545 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2471	717870532227 · 2 <sup>1290000</sup> - 1	388341	L975	13	
2472	717097820985 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2473	716072968635 · 2 <sup>1290000</sup> - 1	388341	L2679	13	
2474	715969980645 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2475	715814868855 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2476	712235534535 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2477	711068481357 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2478	710303309415 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2479	708551718957 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2480	708229975995 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2481	707898299127 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2482	705030433935 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2483	702242617065 · 2 <sup>1290000</sup> - 1	388341	L3574	13	
2484	701050199157 · 2 <sup>1290000</sup> - 1	388341	L3573	13	
2485	701039249685 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
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2488	697182317715 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2489	695999873697 · 2 <sup>1290000</sup> - 1	388341	L3571	13	
2490	695079143715 · 2 <sup>1290000</sup> - 1	388341	L2197	13	
2491	689434185345 · 2 <sup>1290000</sup> - 1	388341	L1566	13	
2492	687716271357 · 2 <sup>1290000</sup> - 1	388341	L3507	13	
2493	687188015475 · 2 <sup>1290000</sup> - 1	388341	L3429	13	
2494	686937123987 · 2 <sup>1290000</sup> - 1	388341	L3563	13	
2495	686768387895 · 2 <sup>1290000</sup> - 1	388341	L3572	13	
2496	685697549955 · 2 <sup>1290000</sup> - 1	388341	L2601	13	
2497	685064645907 · 2 <sup>1290000</sup> - 1	388341	L2693	13	
2498	684872462655 · 2 <sup>1290000</sup> - 1	388341	L3568	13	
2499	684364639185 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2500	684364441467 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2501	684231201267 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2502	684168518577 · 2 <sup>1290000</sup> - 1	388341	L3550	13	

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2503	684083929545 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2504	683596821747 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2505	682481695047 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2506	680633369295 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2507	680285208447 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2508	679946820315 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2509	679650559887 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2510	678718462977 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2511	677434157547 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2512	674896414575 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2513	674002958127 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2514	673205688837 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2515	672766437735 · 2 <sup>1290000</sup> - 1	388341	L3331	13	
2516	672313481805 · 2 <sup>1290000</sup> - 1	388341	L3557	13	
2517	670260024945 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2518	669404918385 · 2 <sup>1290000</sup> - 1	388341	L3560	13	
2519	665713293885 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2520	665186324085 · 2 <sup>1290000</sup> - 1	388341	L3554	13	
2521	661560458517 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2522	660633631875 · 2 <sup>1290000</sup> - 1	388341	L3550	13	
2523	659585676015 · 2 <sup>1290000</sup> - 1	388341	L2450	13	
2524	657516716925 · 2 <sup>1290000</sup> - 1	388341	L3546	13	
2525	657488545107 · 2 <sup>1290000</sup> - 1	388341	L3556	13	
2526	655030890087 · 2 <sup>1290000</sup> - 1	388341	L2354	13	
2527	654470821485 · 2 <sup>1290000</sup> - 1	388341	L3542	13	
2528	653826115005 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2529	652631778027 · 2 <sup>1290000</sup> - 1	388341	L3541	13	
2530	650715578835 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2531	650395850925 · 2 <sup>1290000</sup> - 1	388341	L3535	13	
2532	649723807287 · 2 <sup>1290000</sup> - 1	388341	L3537	13	
2533	645403665447 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2534	645183989655 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2535	644332254837 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2536	643982821797 · 2 <sup>1290000</sup> - 1	388341	L3535	13	
2537	642136678995 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2538	640262956095 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2539	640032469305 · 2 <sup>1290000</sup> - 1	388341	L3371	13	
2540	639442195857 · 2 <sup>1290000</sup> - 1	388341	L3536	13	
2541	639322276155 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2542	638280657105 · 2 <sup>1290000</sup> - 1	388341	L1697	13	
2543	637622451735 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2544	637078553835 · 2 <sup>1290000</sup> - 1	388341	L1430	13	
2545	635051817825 · 2 <sup>1290000</sup> - 1	388341	L3529	13	
2546	634913128047 · 2 <sup>1290000</sup> - 1	388341	L3520	13	
2547	634907213127 · 2 <sup>1290000</sup> - 1	388341	L3530	13	
2548	631738082055 · 2 <sup>1290000</sup> - 1	388341	L3525	13	
2549	631368139017 · 2 <sup>1290000</sup> - 1	388341	L2197	13	
2550	629621073837 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2551	628140225225 · 2 <sup>1290000</sup> - 1	388341	L1001	13	
2552	622777788717 · 2 <sup>1290000</sup> - 1	388341	L927	13	

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2554	622171046565 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2555	621652716597 · 2 <sup>1290000</sup> - 1	388341	L3522	13	
2556	620799233145 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2557	620779654995 · 2 <sup>1290000</sup> - 1	388341	L1953	13	
2558	620441333295 · 2 <sup>1290000</sup> - 1	388341	L2133	13	
2559	619944319965 · 2 <sup>1290000</sup> - 1	388341	L3534	13	
2560	619106264367 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2561	618824753445 · 2 <sup>1290000</sup> - 1	388341	L1566	13	
2562	617795053785 · 2 <sup>1290000</sup> - 1	388341	L2478	13	
2563	612917120097 · 2 <sup>1290000</sup> - 1	388341	L3521	13	
2564	612861781107 · 2 <sup>1290000</sup> - 1	388341	L2595	13	
2565	612563306175 · 2 <sup>1290000</sup> - 1	388341	L2345	13	
2566	611251352847 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2567	608467591587 · 2 <sup>1290000</sup> - 1	388341	L927	13	
2568	605578149447 · 2 <sup>1290000</sup> - 1	388341	L3558	13	
2569	605500978227 · 2 <sup>1290000</sup> - 1	388341	L3520	13	
2570	605446960137 · 2 <sup>1290000</sup> - 1	388341	L3242	13	
2571	602667338535 · 2 <sup>1290000</sup> - 1	388341	L3517	13	
2572	599798757567 · 2 <sup>1290000</sup> - 1	388341	L3515	13	
2573	599415204327 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2574	598503731577 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2575	598076872617 · 2 <sup>1290000</sup> - 1	388341	L2457	13	
2576	595053598977 · 2 <sup>1290000</sup> - 1	388341	L3426	13	
2577	594635112225 · 2 <sup>1290000</sup> - 1	388341	L2457	13	
2578	594411078345 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2579	593727284685 · 2 <sup>1290000</sup> - 1	388341	L2438	13	
2580	591966620325 · 2 <sup>1290000</sup> - 1	388341	L3503	13	
2581	591088601337 · 2 <sup>1290000</sup> - 1	388341	L3394	13	
2582	590291881065 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2583	590278821135 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2584	586478944725 · 2 <sup>1290000</sup> - 1	388341	L3347	13	
2585	586267773705 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2586	585416789085 · 2 <sup>1290000</sup> - 1	388341	L3509	13	
2587	584315200737 · 2 <sup>1290000</sup> - 1	388341	L596	13	
2588	583990308807 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2589	583861939677 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2590	583634035647 · 2 <sup>1290000</sup> - 1	388341	L2250	13	
2591	582960045915 · 2 <sup>1290000</sup> - 1	388341	L3429	13	
2592	580814815467 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2593	580137887397 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2594	580058432985 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2595	578882614455 · 2 <sup>1290000</sup> - 1	388341	L3506	13	
2596	578680361367 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2597	577630659525 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2598	576462034977 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2599	574759579665 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2600	572912625477 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2601	572811590307 · 2 <sup>1290000</sup> - 1	388341	L1617	13	
2602	572005945905 · 2 <sup>1290000</sup> - 1	388341	L2511	13	

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2604	571510228245 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2605	571015401057 · 2 <sup>1290000</sup> - 1	388341	L2496	13	
2606	570494531505 · 2 <sup>1290000</sup> - 1	388341	L596	13	
2607	569989094517 · 2 <sup>1290000</sup> - 1	388341	L3496	13	
2608	569647051785 · 2 <sup>1290000</sup> - 1	388341	L3496	13	
2609	569544800037 · 2 <sup>1290000</sup> - 1	388341	L3496	13	
2610	569433388617 · 2 <sup>1290000</sup> - 1	388341	L3287	13	
2611	568371452337 · 2 <sup>1290000</sup> - 1	388341	L3419	13	
2612	567325505337 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2613	567065977905 · 2 <sup>1290000</sup> - 1	388341	L3508	13	
2614	566645493027 · 2 <sup>1290000</sup> - 1	388341	L350	13	
2615	563283929985 · 2 <sup>1290000</sup> - 1	388341	L3507	13	
2616	562952221197 · 2 <sup>1290000</sup> - 1	388341	L3503	13	
2617	562423570665 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2618	562271489685 · 2 <sup>1290000</sup> - 1	388341	L3347	13	
2619	558276767097 · 2 <sup>1290000</sup> - 1	388341	L3503	13	
2620	557527008717 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2621	556815267057 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2622	555989462955 · 2 <sup>1290000</sup> - 1	388341	L3403	13	
2623	555736606917 · 2 <sup>1290000</sup> - 1	388341	L3504	13	
2624	555042149055 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2625	552455634117 · 2 <sup>1290000</sup> - 1	388341	L596	13	
2626	552145774407 · 2 <sup>1290000</sup> - 1	388341	L3371	13	
2627	551929936467 · 2 <sup>1290000</sup> - 1	388341	L2694	13	
2628	551474562795 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2629	550294305207 · 2 <sup>1290000</sup> - 1	388341	L2576	13	
2630	549628699977 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2631	549591461445 · 2 <sup>1290000</sup> - 1	388341	L3499	13	
2632	547763257797 · 2 <sup>1290000</sup> - 1	388341	L3381	13	
2633	546936507507 · 2 <sup>1290000</sup> - 1	388341	L2429	13	
2634	545735276445 · 2 <sup>1290000</sup> - 1	388341	L2457	13	
2635	544542834225 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2636	543921100065 · 2 <sup>1290000</sup> - 1	388341	L3498	13	
2637	543713681775 · 2 <sup>1290000</sup> - 1	388341	L3331	13	
2638	542770459917 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2639	542416935777 · 2 <sup>1290000</sup> - 1	388341	L3491	13	
2640	542283938787 · 2 <sup>1290000</sup> - 1	388341	L2078	13	
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2644	538712617707 · 2 <sup>1290000</sup> - 1	388341	L3492	13	
2645	538082595237 · 2 <sup>1290000</sup> - 1	388341	L2592	13	
2646	536358872805 · 2 <sup>1290000</sup> - 1	388341	L3414	13	
2647	535503468705 · 2 <sup>1290000</sup> - 1	388341	L3486	13	
2648	534035409477 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2649	533170852965 · 2 <sup>1290000</sup> - 1	388341	L3484	13	
2650	532418746785 · 2 <sup>1290000</sup> - 1	388341	L2513	13	
2651	532404378525 · 2 <sup>1290000</sup> - 1	388341	L3331	13	
2652	531855541917 · 2 <sup>1290000</sup> - 1	388341	L3203	13	

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2654	530923354617 · 2 <sup>1290000</sup> - 1	388341	L3496	13	
2655	530777731167 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2656	529531285257 · 2 <sup>1290000</sup> - 1	388341	L2429	13	
2657	529257936177 · 2 <sup>1290000</sup> - 1	388341	L2438	13	
2658	529057346727 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2659	528602512707 · 2 <sup>1290000</sup> - 1	388341	L3482	13	
2660	526027719045 · 2 <sup>1290000</sup> - 1	388341	L3419	13	
2661	524341294227 · 2 <sup>1290000</sup> - 1	388341	L3480	13	
2662	524136855195 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2663	523530466587 · 2 <sup>1290000</sup> - 1	388341	L3479	13	
2664	516998500665 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2665	514525069425 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2666	514407948465 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2667	514090509387 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2668	513723027177 · 2 <sup>1290000</sup> - 1	388341	L1948	13	
2669	513519859785 · 2 <sup>1290000</sup> - 1	388341	L1319	13	
2670	511783584975 · 2 <sup>1290000</sup> - 1	388341	L3478	13	
2671	510926069745 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2672	510293735415 · 2 <sup>1290000</sup> - 1	388341	L3474	13	
2673	509489086125 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2674	504246821325 · 2 <sup>1290000</sup> - 1	388341	L1704	13	
2675	502725411867 · 2 <sup>1290000</sup> - 1	388341	L324	13	
2676	502051417905 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2677	501535801035 · 2 <sup>1290000</sup> - 1	388341	L1589	13	
2678	501099334437 · 2 <sup>1290000</sup> - 1	388341	L3394	13	
2679	500797558137 · 2 <sup>1290000</sup> - 1	388341	L3426	13	
2680	498983752545 · 2 <sup>1290000</sup> - 1	388341	L3429	13	
2681	498742912167 · 2 <sup>1290000</sup> - 1	388341	L3433	13	
2682	495979824777 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2683	495395016165 · 2 <sup>1290000</sup> - 1	388341	L3434	13	
2684	492105155355 · 2 <sup>1290000</sup> - 1	388341	L3429	13	
2685	490304446095 · 2 <sup>1290000</sup> - 1	388341	L2754	13	
2686	490219448607 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2687	488346762615 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2688	487982955705 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2689	487546507035 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2690	487181668965 · 2 <sup>1290000</sup> - 1	388341	L3370	13	
2691	486388606077 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2692	483590093385 · 2 <sup>1290000</sup> - 1	388341	L3425	13	
2693	483037018875 · 2 <sup>1290000</sup> - 1	388341	L3364	13	
2694	482707780095 · 2 <sup>1290000</sup> - 1	388341	L1566	13	
2695	481466629917 · 2 <sup>1290000</sup> - 1	388341	L2679	13	
2696	481206806505 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2697	478721887857 · 2 <sup>1290000</sup> - 1	388341	L2382	13	
2698	478231940697 · 2 <sup>1290000</sup> - 1	388341	L3424	13	
2699	478122454647 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2700	477193095615 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2701	476420190477 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2702	475923957327 · 2 <sup>1290000</sup> - 1	388341	L3408	13	

rank	description	digits	who	year	comment
2703	474545076717 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2704	472272459375 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2705	471930299277 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2706	470489079777 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2707	468362986905 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2708	468131627955 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2709	466183143855 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2710	466053081195 · 2 <sup>1290000</sup> - 1	388341	L3406	13	
2711	466012946187 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2712	464751767235 · 2 <sup>1290000</sup> - 1	388341	L341	13	
2713	464642860755 · 2 <sup>1290000</sup> - 1	388341	L3408	13	
2714	464211505485 · 2 <sup>1290000</sup> - 1	388341	L3421	13	
2715	462720783765 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2716	460079202795 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2717	459743401245 · 2 <sup>1290000</sup> - 1	388341	L3419	13	
2718	458967184485 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2719	458423603277 · 2 <sup>1290000</sup> - 1	388341	L1709	13	
2720	454117301367 · 2 <sup>1290000</sup> - 1	388341	L3414	13	
2721	453546687195 · 2 <sup>1290000</sup> - 1	388341	L3411	13	
2722	452727224595 · 2 <sup>1290000</sup> - 1	388341	L1591	13	
2723	452642177067 · 2 <sup>1290000</sup> - 1	388341	L3558	13	
2724	452177767305 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2725	451995338007 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2726	450384051945 · 2 <sup>1290000</sup> - 1	388341	L3416	13	
2727	449590794345 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2728	444461468607 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2729	441308694687 · 2 <sup>1290000</sup> - 1	388341	L3408	13	
2730	439341206577 · 2 <sup>1290000</sup> - 1	388341	L3420	13	
2731	438477490227 · 2 <sup>1290000</sup> - 1	388341	L3374	13	
2732	438364166205 · 2 <sup>1290000</sup> - 1	388341	L1566	13	
2733	437917057497 · 2 <sup>1290000</sup> - 1	388341	L3407	13	
2734	437325048657 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2735	436607622117 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2736	436478024895 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2737	436055812185 · 2 <sup>1290000</sup> - 1	388341	L2773	13	
2738	435927336225 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2739	435912195117 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2740	433010529945 · 2 <sup>1290000</sup> - 1	388341	L3406	13	
2741	428717133117 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2742	428274732825 · 2 <sup>1290000</sup> - 1	388341	L3351	13	
2743	427175730777 · 2 <sup>1290000</sup> - 1	388341	L3346	13	
2744	426981529275 · 2 <sup>1290000</sup> - 1	388341	L3408	13	
2745	426737166705 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2746	425503288395 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2747	425299333305 · 2 <sup>1290000</sup> - 1	388341	L3406	13	
2748	422035568997 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2749	421730567295 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2750	421019352015 · 2 <sup>1290000</sup> - 1	388341	L3408	13	
2751	418900895157 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2752	417689147295 · 2 <sup>1290000</sup> - 1	388341	L2573	13	



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2753	416920273425 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2754	416910000045 · 2 <sup>1290000</sup> - 1	388341	L2414	13	
2755	416527998267 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2756	415200631965 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2757	413741476575 · 2 <sup>1290000</sup> - 1	388341	L3402	13	
2758	412802577777 · 2 <sup>1290000</sup> - 1	388341	L3401	13	
2759	411400570875 · 2 <sup>1290000</sup> - 1	388341	L3403	13	
2760	408052817385 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2761	405016485417 · 2 <sup>1290000</sup> - 1	388341	L3399	13	
2762	404450582655 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2763	403975756275 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2764	403420675947 · 2 <sup>1290000</sup> - 1	388341	L958	13	
2765	402776612535 · 2 <sup>1290000</sup> - 1	388341	L1878	13	
2766	402258232425 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2767	402133268805 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2768	401208945867 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2769	399430753647 · 2 <sup>1290000</sup> - 1	388341	L1878	13	
2770	398418183117 · 2 <sup>1290000</sup> - 1	388341	L1219	13	
2771	397630568025 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2772	397062502587 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2773	395796534105 · 2 <sup>1290000</sup> - 1	388341	L3398	13	
2774	393755567235 · 2 <sup>1290000</sup> - 1	388341	L1921	13	
2775	391663070727 · 2 <sup>1290000</sup> - 1	388341	L339	13	
2776	389472350787 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2777	388885035327 · 2 <sup>1290000</sup> - 1	388341	L3396	13	
2778	388560534435 · 2 <sup>1290000</sup> - 1	388341	L2573	13	
2779	387306335355 · 2 <sup>1290000</sup> - 1	388341	L975	13	
2780	385503198645 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2781	382888657287 · 2 <sup>1290000</sup> - 1	388341	L2265	13	
2782	381922845405 · 2 <sup>1290000</sup> - 1	388341	L3400	13	
2783	380782489155 · 2 <sup>1290000</sup> - 1	388341	L3394	13	
2784	380775574335 · 2 <sup>1290000</sup> - 1	388341	L3393	13	
2785	378007820157 · 2 <sup>1290000</sup> - 1	388341	L2672	13	
2786	374411762805 · 2 <sup>1290000</sup> - 1	388341	L3339	13	
2787	369122650197 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2788	369006330537 · 2 <sup>1290000</sup> - 1	388341	L955	13	
2789	364461749535 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2790	362503367145 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2791	361379454135 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2792	360149900547 · 2 <sup>1290000</sup> - 1	388341	L2600	13	
2793	359877353517 · 2 <sup>1290000</sup> - 1	388341	L3391	13	
2794	359587336335 · 2 <sup>1290000</sup> - 1	388341	L1866	13	
2795	359064382245 · 2 <sup>1290000</sup> - 1	388341	L2472	13	
2796	358210953207 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2797	355678913445 · 2 <sup>1290000</sup> - 1	388341	L2283	13	
2798	355665110127 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2799	354721848567 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2800	351910312257 · 2 <sup>1290000</sup> - 1	388341	L1920	13	
2801	351809291337 · 2 <sup>1290000</sup> - 1	388341	L3388	13	
2802	351479778855 · 2 <sup>1290000</sup> - 1	388341	L2511	13	

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2803	349652325447 · 2 <sup>1290000</sup> - 1	388341	L3387	13	
2804	349574475297 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2805	348711084015 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2806	347101956357 · 2 <sup>1290000</sup> - 1	388341	L3392	13	
2807	346864603797 · 2 <sup>1290000</sup> - 1	388341	L3384	13	
2808	345129242337 · 2 <sup>1290000</sup> - 1	388341	L3390	13	
2809	343251791157 · 2 <sup>1290000</sup> - 1	388341	L3383	13	
2810	343057896135 · 2 <sup>1290000</sup> - 1	388341	L3382	13	
2811	341816713665 · 2 <sup>1290000</sup> - 1	388341	L3381	13	
2812	341365397037 · 2 <sup>1290000</sup> - 1	388341	L3380	13	
2813	339806310177 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2814	339519840987 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2815	336417947565 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2816	336094377897 · 2 <sup>1290000</sup> - 1	388341	L3379	13	
2817	331571640507 · 2 <sup>1290000</sup> - 1	388341	L2449	13	
2818	329105404995 · 2 <sup>1290000</sup> - 1	388341	L2090	13	
2819	325627281705 · 2 <sup>1290000</sup> - 1	388341	L1814	13	
2820	325022118267 · 2 <sup>1290000</sup> - 1	388341	L2592	13	
2821	324405963567 · 2 <sup>1290000</sup> - 1	388341	L975	13	
2822	323721714825 · 2 <sup>1290000</sup> - 1	388341	L3374	13	
2823	323180607615 · 2 <sup>1290000</sup> - 1	388341	L324	13	
2824	323151630597 · 2 <sup>1290000</sup> - 1	388341	L2249	13	
2825	323062155117 · 2 <sup>1290000</sup> - 1	388341	L2511	13	
2826	323032715775 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2827	322458158997 · 2 <sup>1290000</sup> - 1	388341	L2204	13	
2828	321326067837 · 2 <sup>1290000</sup> - 1	388341	L2449	13	
2829	318109905615 · 2 <sup>1290000</sup> - 1	388341	L3373	13	
2830	317525245347 · 2 <sup>1290000</sup> - 1	388341	L3371	13	
2831	315206425035 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2832	314138547285 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2833	313644839055 · 2 <sup>1290000</sup> - 1	388341	L3370	13	
2834	312580841685 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2835	312435776037 · 2 <sup>1290000</sup> - 1	388341	L1704	13	
2836	311422843587 · 2 <sup>1290000</sup> - 1	388341	L1745	13	
2837	310812367497 · 2 <sup>1290000</sup> - 1	388341	L3375	13	
2838	310491816507 · 2 <sup>1290000</sup> - 1	388341	L3346	13	
2839	309431698875 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2840	309125593227 · 2 <sup>1290000</sup> - 1	388341	L3321	13	
2841	307795218687 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2842	306223342407 · 2 <sup>1290000</sup> - 1	388341	L3369	13	
2843	303771085455 · 2 <sup>1290000</sup> - 1	388341	L2083	13	
2844	300377054607 · 2 <sup>1290000</sup> - 1	388341	L3364	13	
2845	299556989487 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2846	297145470657 · 2 <sup>1290000</sup> - 1	388341	L3404	13	
2847	295499484735 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2848	294333095247 · 2 <sup>1290000</sup> - 1	388341	L3360	13	
2849	294176747907 · 2 <sup>1290000</sup> - 1	388341	L3395	13	
2850	293988475497 · 2 <sup>1290000</sup> - 1	388341	L1697	13	
2851	288326168427 · 2 <sup>1290000</sup> - 1	388341	L3357	13	
2852	287991223887 · 2 <sup>1290000</sup> - 1	388341	L1589	13	

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2853	286852475595 · 2 <sup>1290000</sup> - 1	388341	L3255	13	
2854	286688330805 · 2 <sup>1290000</sup> - 1	388341	L3359	13	
2855	286622010675 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2856	286371264795 · 2 <sup>1290000</sup> - 1	388341	L2249	13	
2857	283483489905 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2858	283269826017 · 2 <sup>1290000</sup> - 1	388341	L1684	13	
2859	283141970085 · 2 <sup>1290000</sup> - 1	388341	L3355	13	
2860	281151438795 · 2 <sup>1290000</sup> - 1	388341	L2379	13	
2861	281120825067 · 2 <sup>1290000</sup> - 1	388341	L3346	13	
2862	278822882037 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2863	278807949387 · 2 <sup>1290000</sup> - 1	388341	L2592	13	
2864	278469371715 · 2 <sup>1290000</sup> - 1	388341	L3351	13	
2865	275590614537 · 2 <sup>1290000</sup> - 1	388341	L3365	13	
2866	275470214925 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2867	272759221245 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2868	270952368585 · 2 <sup>1290000</sup> - 1	388341	L3349	13	
2869	270531056787 · 2 <sup>1290000</sup> - 1	388341	L3350	13	
2870	270043531455 · 2 <sup>1290000</sup> - 1	388341	L3210	13	
2871	269009459325 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2872	268379334447 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2873	268081360785 · 2 <sup>1290000</sup> - 1	388341	L3203	13	
2874	267934317495 · 2 <sup>1290000</sup> - 1	388341	L3332	13	
2875	267257797635 · 2 <sup>1290000</sup> - 1	388341	L3337	13	
2876	263847069405 · 2 <sup>1290000</sup> - 1	388341	L3347	13	
2877	262612971045 · 2 <sup>1290000</sup> - 1	388341	L3274	13	
2878	261643415715 · 2 <sup>1290000</sup> - 1	388341	L2438	12	
2879	260849015397 · 2 <sup>1290000</sup> - 1	388341	L3203	12	
2880	260715365475 · 2 <sup>1290000</sup> - 1	388341	L1929	12	
2881	260227577727 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2882	260109856197 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2883	260093628975 · 2 <sup>1290000</sup> - 1	388341	L3346	12	
2884	258572084955 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2885	252970964277 · 2 <sup>1290000</sup> - 1	388341	L3203	12	
2886	251309396835 · 2 <sup>1290000</sup> - 1	388341	L1319	12	
2887	251269114257 · 2 <sup>1290000</sup> - 1	388341	L1319	12	
2888	250180546665 · 2 <sup>1290000</sup> - 1	388341	L1704	12	
2889	248186300367 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2890	246240340467 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2891	244704278205 · 2 <sup>1290000</sup> - 1	388341	L3341	12	
2892	244623864417 · 2 <sup>1290000</sup> - 1	388341	L2354	12	
2893	241209176217 · 2 <sup>1290000</sup> - 1	388341	L3342	12	
2894	239413763685 · 2 <sup>1290000</sup> - 1	388341	L2449	12	
2895	234475865655 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2896	232778043615 · 2 <sup>1290000</sup> - 1	388341	L3339	12	
2897	232740942315 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2898	232328690025 · 2 <sup>1290000</sup> - 1	388341	L2457	12	
2899	231572092755 · 2 <sup>1290000</sup> - 1	388341	L3340	12	
2900	230348154045 · 2 <sup>1290000</sup> - 1	388341	L955	12	
2901	225597278625 · 2 <sup>1290000</sup> - 1	388341	L3331	12	
2902	223708869267 · 2 <sup>1290000</sup> - 1	388341	L3337	12	

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2903	218503291197 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2904	216416889747 · 2 <sup>1290000</sup> - 1	388341	L1929	12	
2905	214133231697 · 2 <sup>1290000</sup> - 1	388341	L927	12	
2906	213551907327 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2907	213198352425 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2908	212135542017 · 2 <sup>1290000</sup> - 1	388341	L927	12	
2909	206951361687 · 2 <sup>1290000</sup> - 1	388341	L1637	12	
2910	204320222925 · 2 <sup>1290000</sup> - 1	388341	L3330	12	
2911	203226067005 · 2 <sup>1290000</sup> - 1	388341	L3274	12	
2912	201526452825 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2913	200476914855 · 2 <sup>1290000</sup> - 1	388340	L927	12	
2914	199585358175 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2915	199394692497 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2916	199294582755 · 2 <sup>1290000</sup> - 1	388340	L955	12	
2917	199069404915 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2918	198089444247 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2919	197583066117 · 2 <sup>1290000</sup> - 1	388340	L955	12	
2920	196125259785 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2921	192026664657 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2922	191408032317 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2923	188190677397 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2924	188177713677 · 2 <sup>1290000</sup> - 1	388340	L3334	12	
2925	187663366467 · 2 <sup>1290000</sup> - 1	388340	L927	12	
2926	180160106877 · 2 <sup>1290000</sup> - 1	388340	L3331	12	
2927	179253304767 · 2 <sup>1290000</sup> - 1	388340	L927	12	
2928	179108866545 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2929	178994497575 · 2 <sup>1290000</sup> - 1	388340	L2368	12	
2930	178847912745 · 2 <sup>1290000</sup> - 1	388340	L3330	12	
2931	177472004367 · 2 <sup>1290000</sup> - 1	388340	L2379	12	
2932	173890572975 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2933	164136998667 · 2 <sup>1290000</sup> - 1	388340	L2449	12	
2934	164130856365 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2935	163354130247 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2936	162624326205 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2937	162236489067 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2938	159234953055 · 2 <sup>1290000</sup> - 1	388340	L3332	12	
2939	157842034035 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2940	157608823797 · 2 <sup>1290000</sup> - 1	388340	L3328	12	
2941	156343422987 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2942	151155604437 · 2 <sup>1290000</sup> - 1	388340	L3322	12	
2943	151013786217 · 2 <sup>1290000</sup> - 1	388340	L2164	12	
2944	149875663077 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2945	148042284915 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2946	145028100747 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2947	144643566987 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2948	144033075777 · 2 <sup>1290000</sup> - 1	388340	L2679	12	
2949	143858211957 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2950	143727108945 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2951	142726671747 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2952	142631667285 · 2 <sup>1290000</sup> - 1	388340	L2354	12	

rank	description	digits	who	year	comment
2953	141451978605 · 2 <sup>1290000</sup> - 1	388340	L3321	12	
2954	139942421115 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2955	139604474667 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2956	134368933107 · 2 <sup>1290000</sup> - 1	388340	L2753	12	
2957	129948302025 · 2 <sup>1290000</sup> - 1	388340	L2164	12	
2958	128031171567 · 2 <sup>1290000</sup> - 1	388340	L3252	12	
2959	126206397135 · 2 <sup>1290000</sup> - 1	388340	L2164	12	
2960	125000856225 · 2 <sup>1290000</sup> - 1	388340	L2457	12	
2961	124901305767 · 2 <sup>1290000</sup> - 1	388340	L3316	12	
2962	124490444505 · 2 <sup>1290000</sup> - 1	388340	L2679	12	
2963	120858765657 · 2 <sup>1290000</sup> - 1	388340	L1430	12	
2964	120816250005 · 2 <sup>1290000</sup> - 1	388340	L3216	12	
2965	120238040277 · 2 <sup>1290000</sup> - 1	388340	L2457	12	
2966	119948786085 · 2 <sup>1290000</sup> - 1	388340	L2457	12	
2967	119117512797 · 2 <sup>1290000</sup> - 1	388340	L1430	12	
2968	119033472225 · 2 <sup>1290000</sup> - 1	388340	L3252	12	
2969	117474057165 · 2 <sup>1290000</sup> - 1	388340	L1588	12	
2970	116194215975 · 2 <sup>1290000</sup> - 1	388340	L2197	12	
2971	115619101425 · 2 <sup>1290000</sup> - 1	388340	L1126	12	
2972	113105840787 · 2 <sup>1290000</sup> - 1	388340	L3287	12	
2973	113018799645 · 2 <sup>1290000</sup> - 1	388340	L3203	12	
2974	110657314995 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
2975	110261397207 · 2 <sup>1290000</sup> - 1	388340	L2197	12	
2976	109785059895 · 2 <sup>1290000</sup> - 1	388340	L1219	12	
2977	109728390567 · 2 <sup>1290000</sup> - 1	388340	L2430	12	
2978	109602297105 · 2 <sup>1290000</sup> - 1	388340	L327	12	
2979	108456662097 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2980	106106030067 · 2 <sup>1290000</sup> - 1	388340	L3274	12	
2981	104252569725 · 2 <sup>1290000</sup> - 1	388340	L3270	12	
2982	103809047877 · 2 <sup>1290000</sup> - 1	388340	L2679	12	
2983	102979478985 · 2 <sup>1290000</sup> - 1	388340	L3240	12	
2984	102649169667 · 2 <sup>1290000</sup> - 1	388340	L3228	12	
2985	102249845505 · 2 <sup>1290000</sup> - 1	388340	L927	12	
2986	100492076865 · 2 <sup>1290000</sup> - 1	388340	L2504	12	
2987	98571391305 · 2 <sup>1290000</sup> - 1	388340	L2679	12	
2988	96382357725 · 2 <sup>1290000</sup> - 1	388340	L2250	12	
2989	95886360717 · 2 <sup>1290000</sup> - 1	388340	L2680	12	
2990	94451818965 · 2 <sup>1290000</sup> - 1	388340	L1637	12	
2991	93693950385 · 2 <sup>1290000</sup> - 1	388340	L3558	12	
2992	93083051085 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
2993	91591849695 · 2 <sup>1290000</sup> - 1	388340	L2283	12	
2994	90446547765 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
2995	88769823315 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
2996	87988707537 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
2997	86374243377 · 2 <sup>1290000</sup> - 1	388340	L2197	12	
2998	85794708807 · 2 <sup>1290000</sup> - 1	388340	L3252	12	
2999	83743656027 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
3000	80303450925 · 2 <sup>1290000</sup> - 1	388340	L2478	12	
3001	78681832677 · 2 <sup>1290000</sup> - 1	388340	L3228	12	
3002	74675041395 · 2 <sup>1290000</sup> - 1	388340	L3255	12	

rank	description	digits	who	year	comment
3003	74231734815 · 2 <sup>1290000</sup> - 1	388340	L3256	12	
3004	72835395717 · 2 <sup>1290000</sup> - 1	388340	L3252	12	
3005	71741989455 · 2 <sup>1290000</sup> - 1	388340	L3251	12	
3006	71626994637 · 2 <sup>1290000</sup> - 1	388340	L3258	12	
3007	67762687755 · 2 <sup>1290000</sup> - 1	388340	L1684	12	
3008	67400286705 · 2 <sup>1290000</sup> - 1	388340	L927	12	
3009	67157081175 · 2 <sup>1290000</sup> - 1	388340	L3203	12	
3010	67098088347 · 2 <sup>1290000</sup> - 1	388340	L1430	12	
3011	66947810457 · 2 <sup>1290000</sup> - 1	388340	L324	12	
3012	64932421227 · 2 <sup>1290000</sup> - 1	388340	L3247	12	
3013	61579159647 · 2 <sup>1290000</sup> - 1	388340	L324	12	
3014	60496370625 · 2 <sup>1290000</sup> - 1	388340	L324	12	
3015	58109428725 · 2 <sup>1290000</sup> - 1	388340	L324	12	
3016	57670269765 · 2 <sup>1290000</sup> - 1	388340	L1591	12	
3017	56617104687 · 2 <sup>1290000</sup> - 1	388340	L927	12	
3018	55829500977 · 2 <sup>1290000</sup> - 1	388340	L3218	12	
3019	53955457827 · 2 <sup>1290000</sup> - 1	388340	L3242	12	
3020	53568698727 · 2 <sup>1290000</sup> - 1	388340	L3240	12	
3021	48325829277 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
3022	47104579725 · 2 <sup>1290000</sup> - 1	388340	L2407	12	
3023	46936849605 · 2 <sup>1290000</sup> - 1	388340	L3235	12	
3024	46395065715 · 2 <sup>1290000</sup> - 1	388340	L3236	12	
3025	41291130657 · 2 <sup>1290000</sup> - 1	388340	L1866	12	
3026	40870411575 · 2 <sup>1290000</sup> - 1	388340	L3228	12	
3027	37892782587 · 2 <sup>1290000</sup> - 1	388340	L990	12	
3028	37336992075 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3029	35970599667 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3030	35783326245 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3031	34158740037 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3032	31188104787 · 2 <sup>1290000</sup> - 1	388340	L3204	12	
3033	30185015115 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3034	27706601877 · 2 <sup>1290000</sup> - 1	388340	L3204	12	
3035	26268238845 · 2 <sup>1290000</sup> - 1	388340	L3227	12	
3036	25940129427 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3037	25759355835 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3038	24441821505 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3039	24291776847 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3040	22811654325 · 2 <sup>1290000</sup> - 1	388340	L3226	12	
3041	22781007375 · 2 <sup>1290000</sup> - 1	388340	L1684	12	
3042	21141924615 · 2 <sup>1290000</sup> - 1	388340	L1684	12	
3043	19793417607 · 2 <sup>1290000</sup> - 1	388339	L3224	12	
3044	15882136965 · 2 <sup>1290000</sup> - 1	388339	L3218	12	
3045	12814002747 · 2 <sup>1290000</sup> - 1	388339	L1603	12	
3046	12257525817 · 2 <sup>1290000</sup> - 1	388339	L3203	12	
3047	11389198515 · 2 <sup>1290000</sup> - 1	388339	L3216	12	
3048	11340242595 · 2 <sup>1290000</sup> - 1	388339	L3214	12	
3049	11211544347 · 2 <sup>1290000</sup> - 1	388339	L1430	12	
3050	8909655825 · 2 <sup>1290000</sup> - 1	388339	L3210	12	
3051	8575097877 · 2 <sup>1290000</sup> - 1	388339	L3208	12	
3052	5792192997 · 2 <sup>1290000</sup> - 1	388339	L989	12	

rank	description	digits	who	year	comment
3053	$3347418345 \cdot 2^{1290000} - 1$	388339	L1433	12	
3054	$3160221645 \cdot 2^{1290000} - 1$	388339	L3203	12	
3055	$2862479727 \cdot 2^{1290000} - 1$	388339	L3204	12	
3056	$835738017 \cdot 2^{1290000} - 1$	388338	L596	12	
3057	$45340243 \cdot 2^{1290000} + 1$	388337	L3494	14	
3058	$455 \cdot 2^{1289501} + 1$	388182	L2909	12	
3059	$307 \cdot 2^{1289306} + 1$	388123	L1204	12	
3060	$9975 \cdot 2^{1289056} - 1$	388049	L2338	13	
3061	$665 \cdot 2^{1289005} + 1$	388032	L2816	11	
3062	$167 \cdot 2^{1288922} - 1$	388007	L1862	13	
3063	$439 \cdot 2^{1288818} + 1$	387976	L2917	12	
3064	$2538 \cdot 30^{262614} - 1$	387917	p268	12	
3065	$135 \cdot 2^{1288177} - 1$	387783	L1959	11	
3066	$527 \cdot 2^{1287756} - 1$	387656	L1817	13	
3067	$1153 \cdot 2^{1287198} + 1$	387489	L2815	11	
3068	$603 \cdot 2^{1286394} + 1$	387246	L2702	11	
3069	$305 \cdot 2^{1285643} + 1$	387020	L1209	12	
3070	$1025 \cdot 2^{1285388} - 1$	386944	L1828	12	
3071	$795 \cdot 2^{1285388} - 1$	386944	L1817	14	
3072	$1195 \cdot 2^{1284795} - 1$	386765	L1828	12	
3073	$243 \cdot 2^{1284429} + 1$	386655	L165	11	
3074	$4 \cdot 257^{160422} + 1$	386607	p258	11	Generalized Fermat
3075	$138847 \cdot 2^{1283793} - 1$	386466	L2	03	
3076	$453 \cdot 2^{1283560} - 1$	386393	L1817	13	
3077	$1015 \cdot 2^{1283425} - 1$	386353	L1828	12	
3078	$4043 \cdot 2^{1283396} - 1$	386345	L1959	13	
3079	$131 \cdot 2^{1283258} - 1$	386302	L1862	11	
3080	$875 \cdot 2^{1283164} - 1$	386274	L1817	14	
3081	$5 \cdot 2^{1282755} + 1$	386149	g55	02	Divides $GF(1282754, 3)$ , $GF(1282748, 5)$
3082	$259 \cdot 2^{1282582} + 1$	386099	L1818	12	
3083	$1145 \cdot 2^{1282568} - 1$	386095	L1828	12	
3084	$1093 \cdot 2^{1282080} + 1$	385948	L2322	11	
3085	$569 \cdot 2^{1282077} + 1$	385947	L1387	11	
3086	$1189 \cdot 2^{1282034} + 1$	385934	L2814	11	
3087	$1141 \cdot 2^{1281659} - 1$	385821	L1828	12	
3088	$181 \cdot 2^{1281453} - 1$	385759	L2484	11	
3089	$105782 \cdot 5^{551766} - 1$	385673	p306	10	
3090	$767 \cdot 2^{1281080} - 1$	385647	L1817	13	
3091	$759 \cdot 2^{1280948} - 1$	385607	L1817	13	
3092	$2 \cdot 101^{192275} + 1$	385382	L1471	10	
3093	$623 \cdot 2^{1280125} + 1$	385359	L2659	11	
3094	$381 \cdot 2^{1279983} + 1$	385316	L2908	12	
3095	$665 \cdot 2^{1279234} - 1$	385091	L1817	13	
3096	$691 \cdot 2^{1279212} + 1$	385085	L2626	11	
3097	$945 \cdot 2^{1278825} + 1$	384968	L1595	11	
3098	$349 \cdot 2^{1278551} - 1$	384885	L579	10	
3099	$1105 \cdot 2^{1278476} + 1$	384863	L2724	11	
3100	$231 \cdot 2^{1278235} - 1$	384790	L2338	12	
3101	$3135 \cdot 2^{1278080} + 1$	384744	L3262	14	

rank	description	digits	who	year	comment
3102	$2261 \cdot 2^{1277853} + 1$	384676	L3262	14	
3103	$9405 \cdot 2^{1277796} + 1$	384659	L3262	14	
3104	$8745 \cdot 2^{1277577} + 1$	384593	L1576	14	
3105	$8129 \cdot 2^{1277413} + 1$	384544	L2626	14	
3106	$2641 \cdot 2^{1277096} + 1$	384448	L2520	14	
3107	$6849 \cdot 2^{1277093} + 1$	384448	L3035	14	
3108	$5979 \cdot 2^{1277091} + 1$	384447	L3894	14	
3109	$7101 \cdot 2^{1277000} + 1$	384420	L3262	14	
3110	$9547 \cdot 2^{1276978} + 1$	384413	L3262	14	
3111	$2413 \cdot 2^{1276674} + 1$	384321	L3262	14	
3112	$141 \cdot 2^{1276616} + 1$	384302	L2612	12	
3113	$8727 \cdot 2^{1276471} + 1$	384261	L3262	14	
3114	$7269 \cdot 2^{1276455} + 1$	384256	L3889	14	
3115	$1981 \cdot 2^{1276439} - 1$	384250	L1134	12	
3116	$15 \cdot 2^{1276177} + 1$	384169	g279	06	Divides $GF(1276174, 3)$ , $GF(1276174, 10)$
3117	$3951 \cdot 2^{1276136} + 1$	384159	L1125	14	
3118	$205 \cdot 2^{1275889} - 1$	384084	L384	10	
3119	$5739 \cdot 2^{1275854} + 1$	384075	L3888	14	
3120	$255 \cdot 2^{1275596} + 1$	383996	L2533	12	
3121	$4737 \cdot 2^{1275487} + 1$	383964	L3555	14	
3122	$7971 \cdot 2^{1275429} + 1$	383947	L3555	14	
3123	$5533 \cdot 2^{1275420} + 1$	383944	L3555	14	
3124	$1407 \cdot 2^{1275375} + 1$	383930	L2107	14	
3125	$375 \cdot 2^{1275345} - 1$	383920	L1819	13	
3126	$8981 \cdot 2^{1275279} + 1$	383902	L2888	14	
3127	$7343 \cdot 2^{1275245} + 1$	383891	L3893	14	
3128	$975 \cdot 2^{1274973} + 1$	383809	L2653	11	
3129	$9317 \cdot 2^{1274819} + 1$	383763	L3824	14	
3130	$8509 \cdot 2^{1274778} + 1$	383751	L1129	14	
3131	$757 \cdot 2^{1274676} + 1$	383719	L1935	11	
3132	$1011 \cdot 2^{1274643} + 1$	383709	L2736	11	
3133	$5635 \cdot 2^{1274526} + 1$	383675	L3262	14	
3134	$4969 \cdot 2^{1274494} + 1$	383665	L3262	14	
3135	$9 \cdot 10^{383643} - 1$	383644	p297	11	Near-repdigit
3136	$2955 \cdot 2^{1274306} - 1$	383608	L1959	13	
3137	$8315 \cdot 2^{1274209} + 1$	383580	L3262	14	
3138	$2445 \cdot 2^{1274079} + 1$	383540	L3199	14	
3139	$6995 \cdot 2^{1274071} + 1$	383538	L1741	14	
3140	$8595 \cdot 2^{1274054} + 1$	383533	L3555	14	
3141	$1185 \cdot 2^{1273795} + 1$	383454	L2732	11	
3142	$1779 \cdot 2^{1273794} + 1$	383454	L3262	14	
3143	$9069 \cdot 2^{1273757} + 1$	383444	L3262	14	
3144	$4477 \cdot 2^{1273732} + 1$	383436	L3824	14	
3145	$8253 \cdot 2^{1273730} + 1$	383435	L1741	14	
3146	$147 \cdot 2^{1273684} - 1$	383420	L1959	11	
3147	$9669 \cdot 2^{1273666} + 1$	383416	L3555	14	
3148	$1155 \cdot 2^{1273521} + 1$	383372	L1505	11	
3149	$7317 \cdot 2^{1273503} + 1$	383367	L3885	14	
3150	$923 \cdot 2^{1273465} + 1$	383355	L2542	11	



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3151	$4215 \cdot 2^{1273246} + 1$	383289	L1792	14	
3152	$1103 \cdot 2^{1273105} + 1$	383246	L1121	11	
3153	$471 \cdot 2^{1273000} + 1$	383214	L1933	12	
3154	$2733 \cdot 2^{1272954} + 1$	383201	L3262	14	
3155	$6005 \cdot 2^{1272869} + 1$	383176	L3262	14	
3156	$6317 \cdot 2^{1272855} + 1$	383172	L3483	14	
3157	$6723 \cdot 2^{1272810} + 1$	383158	L2520	14	
3158	$677 \cdot 2^{1272716} - 1$	383129	L1817	13	
3159	$1625 \cdot 2^{1272685} + 1$	383120	L1741	14	
3160	$7313 \cdot 2^{1272657} + 1$	383112	L3555	14	
3161	$643 \cdot 2^{1272644} + 1$	383107	L2522	11	
3162	$7865 \cdot 2^{1272471} + 1$	383056	L1733	14	
3163	$89 \cdot 2^{1272457} + 1$	383050	L1204	11	
3164	$21701 \cdot 2^{1272326} - 1$	383013	L2055	12	
3165	$603 \cdot 2^{1272322} - 1$	383010	L2257	13	
3166	$9051 \cdot 2^{1272304} + 1$	383006	L2038	14	
3167	$5429 \cdot 2^{1272197} + 1$	382974	L2520	14	
3168	$8355 \cdot 2^{1272110} + 1$	382948	L1741	14	
3169	$1347 \cdot 2^{1271948} - 1$	382898	L1828	12	
3170	$2047 \cdot 2^{1271894} + 1$	382882	L3262	14	
3171	$8257 \cdot 2^{1271804} + 1$	382856	L3262	14	
3172	$4053 \cdot 2^{1271773} + 1$	382846	L3824	14	
3173	$5147 \cdot 2^{1271683} + 1$	382819	L3783	14	
3174	$9011 \cdot 2^{1271581} + 1$	382788	L3271	14	
3175	$5811 \cdot 2^{1271548} + 1$	382778	L3262	14	
3176	$6795 \cdot 2^{1271503} + 1$	382765	L3154	14	
3177	$108045 \cdot 2^{1271488} - 1$	382762	L466	13	
3178	$9387 \cdot 2^{1271488} + 1$	382760	L3262	14	
3179	$8205 \cdot 2^{1271355} + 1$	382720	L1741	14	
3180	$9387 \cdot 2^{1271326} + 1$	382712	L3262	14	
3181	$1191 \cdot 2^{1271153} - 1$	382659	L1828	12	
3182	$5835 \cdot 2^{1271108} + 1$	382646	L1129	14	
3183	$4167 \cdot 2^{1271064} + 1$	382633	L1413	14	
3184	$5835 \cdot 2^{1271037} + 1$	382625	L2626	14	
3185	$3255 \cdot 2^{1271014} + 1$	382617	L2626	14	
3186	$1385 \cdot 2^{1270984} - 1$	382608	L1828	12	
3187	$993 \cdot 2^{1270944} - 1$	382596	L1817	13	
3188	$1011 \cdot 2^{1270883} + 1$	382577	L2813	11	
3189	$4083 \cdot 2^{1270652} + 1$	382508	L3859	14	
3190	$4993 \cdot 2^{1270616} + 1$	382498	L2626	14	
3191	$1869 \cdot 2^{1270554} + 1$	382479	L1741	14	
3192	$6849 \cdot 2^{1270337} + 1$	382414	L3859	14	
3193	$7427 \cdot 2^{1270275} + 1$	382395	L2785	14	
3194	$4665 \cdot 2^{1270202} + 1$	382373	L3859	14	
3195	$4069 \cdot 2^{1270119} - 1$	382348	L1959	13	
3196	$4239 \cdot 2^{1270071} + 1$	382334	L1733	14	
3197	$5487 \cdot 2^{1270040} + 1$	382324	L3877	14	
3198	$4811 \cdot 2^{1269857} + 1$	382269	L2520	14	
3199	$163747 \cdot 6^{491241} - 1$	382266	L2841	12	Generalized Woodall
3200	$5327 \cdot 2^{1269751} + 1$	382237	L3035	14	

rank	description	digits	who	year	comment
3201	$3479 \cdot 2^{1269701} + 1$	382222	L3262	14	
3202	$6337 \cdot 2^{1269674} + 1$	382214	L3262	14	
3203	$475 \cdot 2^{1269578} + 1$	382184	L2802	12	
3204	$70 \cdot 383^{147947} - 1$	382179	L2012	14	
3205	$3331 \cdot 2^{1269404} + 1$	382133	L2322	14	
3206	$1739 \cdot 2^{1269221} + 1$	382077	L2517	14	
3207	$251 \cdot 2^{1269198} - 1$	382070	L251	10	
3208	$565 \cdot 2^{1269153} - 1$	382056	L1817	13	
3209	$8793 \cdot 2^{1269062} + 1$	382030	L3035	14	
3210	$781 \cdot 2^{1269036} + 1$	382021	L1935	11	
3211	$1268979 \cdot 2^{1268979} - 1$	382007	L201	07	Woodall
3212	$1235 \cdot 2^{1268980} - 1$	382005	L1828	12	
3213	$5931 \cdot 2^{1268949} + 1$	381996	L3881	14	
3214	$7315 \cdot 2^{1268942} + 1$	381994	L3797	14	
3215	$9487 \cdot 2^{1268934} + 1$	381992	L2981	14	
3216	$2769 \cdot 2^{1268925} + 1$	381988	L2840	14	
3217	$2459 \cdot 2^{1268661} + 1$	381909	L2785	14	
3218	$5313 \cdot 2^{1268624} + 1$	381898	L3878	14	
3219	$671600^{65536} + 1$	381886	g55	02	Generalized Fermat
3220	$225 \cdot 2^{1268579} + 1$	381883	L2085	12	
3221	$6725 \cdot 2^{1268551} + 1$	381876	L3035	14	
3222	$193 \cdot 2^{1268399} - 1$	381829	L1959	11	
3223	$5233 \cdot 2^{1268176} + 1$	381763	L2549	14	
3224	$3573 \cdot 2^{1268010} + 1$	381713	L2626	14	
3225	$3731 \cdot 2^{1268003} + 1$	381711	L2649	14	
3226	$7393 \cdot 2^{1267734} + 1$	381630	L3035	14	
3227	$4213 \cdot 2^{1267666} + 1$	381610	L1741	14	
3228	$965 \cdot 2^{1267454} - 1$	381545	L1817	13	
3229	$3207 \cdot 2^{1267439} + 1$	381541	L3309	14	
3230	$5241 \cdot 2^{1267309} + 1$	381502	L2785	14	
3231	$8537 \cdot 2^{1267263} + 1$	381489	L3878	14	
3232	$9163 \cdot 2^{1267256} + 1$	381487	L3279	14	
3233	$973 \cdot 2^{1267246} + 1$	381483	L1745	11	
3234	$1041 \cdot 2^{1267241} - 1$	381481	L1828	12	
3235	$987 \cdot 2^{1267175} + 1$	381461	L2545	11	
3236	$4731 \cdot 2^{1267159} + 1$	381457	L3035	14	
3237	$813 \cdot 2^{1267125} + 1$	381446	L2821	11	
3238	$4215 \cdot 2^{1267033} + 1$	381419	L2549	14	
3239	$937 \cdot 2^{1267000} + 1$	381408	L2503	11	
3240	$9543 \cdot 2^{1266921} + 1$	381386	L3262	14	
3241	$4051 \cdot 2^{1266809} - 1$	381352	L1959	13	
3242	$7645 \cdot 2^{1266736} + 1$	381330	L1479	14	
3243	$7479 \cdot 2^{1266635} + 1$	381300	L1741	14	
3244	$7629 \cdot 2^{1266613} + 1$	381293	L3262	14	
3245	$9479 \cdot 2^{1266575} + 1$	381282	L3882	14	
3246	$3277 \cdot 2^{1266516} + 1$	381263	L3786	14	
3247	$1411 \cdot 2^{1266504} + 1$	381259	L2873	14	
3248	$2175 \cdot 2^{1266475} - 1$	381251	L1862	13	
3249	$5395 \cdot 2^{1266442} + 1$	381241	L1741	14	
3250	$7595 \cdot 2^{1266427} + 1$	381237	L1806	14	

rank	description	digits	who	year	comment
3251	$6861 \cdot 2^{1266348} + 1$	381213	L3555	14	
3252	$7625 \cdot 2^{1266329} + 1$	381207	L3262	14	
3253	$9341 \cdot 2^{1266173} + 1$	381161	L1792	14	
3254	$3321 \cdot 2^{1266069} + 1$	381129	L2659	14	
3255	$5505 \cdot 2^{1266048} + 1$	381123	L2549	14	
3256	$1603 \cdot 2^{1266006} + 1$	381109	L1741	14	
3257	$1243 \cdot 2^{1265912} + 1$	381081	L3262	14	
3258	$8289 \cdot 2^{1265697} + 1$	381017	L3875	14	
3259	$609 \cdot 2^{1265279} - 1$	380890	L1817	13	
3260	$8945 \cdot 2^{1265105} + 1$	380839	L3872	14	
3261	$3801 \cdot 2^{1264748} + 1$	380731	L3786	14	
3262	$5013 \cdot 2^{1264728} + 1$	380725	L3294	14	
3263	$8205 \cdot 2^{1264708} + 1$	380719	L3514	14	
3264	$9233 \cdot 2^{1264561} + 1$	380675	L1130	14	
3265	$5745 \cdot 2^{1264513} + 1$	380661	L3675	14	
3266	$2505 \cdot 2^{1264470} - 1$	380647	L1959	13	
3267	$6525 \cdot 2^{1264263} + 1$	380585	L1792	14	
3268	$6023 \cdot 2^{1264241} + 1$	380579	L3262	14	
3269	$8711 \cdot 2^{1264061} + 1$	380525	L3257	14	
3270	$6231 \cdot 2^{1264049} + 1$	380521	L2520	14	
3271	$5319 \cdot 2^{1263971} + 1$	380497	L1792	14	
3272	$8547 \cdot 2^{1263915} + 1$	380481	L1158	14	
3273	$9111 \cdot 2^{1263843} + 1$	380459	L3035	14	
3274	$911 \cdot 2^{1263831} + 1$	380454	L2812	11	
3275	$733 \cdot 2^{1263802} + 1$	380446	L2048	11	
3276	$109988 \cdot 5^{544269} + 1$	380433	p292	11	
3277	$1197 \cdot 2^{1263698} + 1$	380415	L2375	11	
3278	$873 \cdot 2^{1263679} - 1$	380409	L2257	13	
3279	$1425 \cdot 2^{1263665} - 1$	380405	L1134	12	
3280	$2239 \cdot 2^{1263658} + 1$	380403	L2517	14	
3281	$3875 \cdot 2^{1263619} + 1$	380391	L1745	14	
3282	$481 \cdot 2^{1263444} + 1$	380338	L2826	12	
3283	$2191 \cdot 2^{1263392} + 1$	380323	L3836	14	
3284	$8649 \cdot 2^{1263389} + 1$	380322	L2649	14	
3285	$2325 \cdot 2^{1263290} + 1$	380292	L3836	14	
3286	$7543 \cdot 2^{1263244} + 1$	380279	L3262	14	
3287	$4991 \cdot 2^{1263197} + 1$	380264	L3262	14	
3288	$3954 \cdot 148^{175188} - 1$	380208	p268	12	
3289	$789 \cdot 2^{1262973} + 1$	380196	L2805	11	
3290	$3491 \cdot 2^{1262889} + 1$	380172	L3835	14	
3291	$1611 \cdot 2^{1262857} + 1$	380162	L2327	14	
3292	$957 \cdot 2^{1262808} - 1$	380147	L1817	13	
3293	$6375 \cdot 2^{1262713} + 1$	380119	L2626	14	
3294	$7221 \cdot 2^{1262652} + 1$	380100	L2125	14	
3295	$4455 \cdot 2^{1262558} + 1$	380072	L3262	14	
3296	$3843 \cdot 2^{1262384} + 1$	380020	L1761	14	
3297	$6625 \cdot 2^{1262370} + 1$	380016	L1204	14	
3298	$5739 \cdot 2^{1262267} + 1$	379984	L3851	14	
3299	$4651 \cdot 2^{1262232} + 1$	379974	L3262	14	
3300	$5965 \cdot 2^{1262096} + 1$	379933	L3171	14	

rank	description	digits	who	year	comment
3301	$993 \cdot 2^{1262086} + 1$	379929	L2711	11	
3302	$8599 \cdot 2^{1262070} + 1$	379925	L3262	14	
3303	$3547 \cdot 2^{1261978} + 1$	379897	L3698	14	
3304	$4157 \cdot 2^{1261974} - 1$	379896	L1959	13	
3305	$8681 \cdot 2^{1261845} + 1$	379858	L2890	14	
3306	$5529 \cdot 2^{1261793} + 1$	379842	L3262	14	
3307	$2559 \cdot 2^{1261627} + 1$	379791	L1741	14	
3308	$6395 \cdot 2^{1261595} + 1$	379782	L2545	14	
3309	$3597 \cdot 2^{1261576} + 1$	379776	L1982	14	
3310	$11 \cdot 2^{1261478} - 1$	379744	L163	06	
3311	$7057 \cdot 2^{1261444} + 1$	379737	L3262	14	
3312	$7571 \cdot 2^{1261313} + 1$	379697	L3856	14	
3313	$7037 \cdot 2^{1261259} + 1$	379681	L2866	14	
3314	$6681 \cdot 2^{1261160} + 1$	379651	L1344	14	
3315	$1779 \cdot 2^{1261057} + 1$	379620	L3430	14	
3316	$6147 \cdot 2^{1261044} + 1$	379616	L1158	14	
3317	$1035 \cdot 2^{1260911} - 1$	379576	L1828	12	
3318	$48166 \cdot 151^{174188} + 1$	379557	p365	13	
3319	$7549 \cdot 2^{1260758} + 1$	379530	L1761	14	
3320	$3231 \cdot 2^{1260728} + 1$	379521	L3834	14	
3321	$9905 \cdot 2^{1260565} + 1$	379472	L3879	14	
3322	$5133 \cdot 2^{1260537} + 1$	379464	L3668	14	
3323	$8157 \cdot 2^{1260398} + 1$	379422	L3262	14	
3324	$5847 \cdot 2^{1260334} + 1$	379403	L3850	14	
3325	$4567 \cdot 2^{1260278} + 1$	379386	L2840	14	
3326	$4205 \cdot 2^{1260223} + 1$	379369	L1158	14	
3327	$105 \cdot 2^{1260218} + 1$	379366	L1751	11	
3328	$3391 \cdot 2^{1260200} + 1$	379362	L2626	14	
3329	$977 \cdot 2^{1260108} - 1$	379334	L2257	13	
3330	$1063 \cdot 2^{1260091} - 1$	379329	L1828	12	
3331	$717 \cdot 2^{1260087} + 1$	379327	L2545	11	
3332	$6555 \cdot 2^{1260074} - 1$	379324	L840	14	
3333	$291 \cdot 2^{1260056} + 1$	379318	L2562	12	
3334	$8857 \cdot 2^{1260018} + 1$	379308	L1741	14	
3335	$5653 \cdot 2^{1259954} + 1$	379288	L1745	14	
3336	$4037 \cdot 2^{1259918} - 1$	379277	L1959	13	
3337	$5541 \cdot 2^{1259891} + 1$	379269	L1158	14	
3338	$433 \cdot 2^{1259831} - 1$	379250	L1817	13	
3339	$68492 \cdot 5^{542553} + 1$	379234	L2342	11	
3340	$26 \cdot 941^{127533} + 1$	379233	L1471	12	
3341	$9229 \cdot 2^{1259754} + 1$	379228	L3877	14	
3342	$4925 \cdot 2^{1259671} + 1$	379203	L3199	14	
3343	$2557 \cdot 2^{1259640} + 1$	379193	L1741	14	
3344	$8281 \cdot 2^{1259564} + 1$	379171	L2517	14	Generalized Fermat
3345	$2871 \cdot 2^{1259533} + 1$	379161	L3830	14	
3346	$3159 \cdot 2^{1259458} + 1$	379139	L1741	14	
3347	$6603 \cdot 2^{1259313} + 1$	379095	L3262	14	
3348	$7041 \cdot 2^{1259284} + 1$	379087	L3766	14	
3349	$741 \cdot 2^{1259168} + 1$	379051	L2659	11	
3350	$6377 \cdot 2^{1259159} + 1$	379049	L3262	14	

rank	description	digits	who	year	comment
3351	$6731 \cdot 2^{1259115} + 1$	379036	L2626	14	
3352	$7723 \cdot 2^{1259100} + 1$	379031	L1158	14	
3353	$2595 \cdot 2^{1259083} + 1$	379026	L3035	14	
3354	$3677 \cdot 2^{1258923} + 1$	378978	L2038	14	
3355	$2999 \cdot 2^{1258905} + 1$	378972	L3833	14	
3356	$5775 \cdot 2^{1258855} + 1$	378957	L3262	14	
3357	$5141 \cdot 2^{1258761} + 1$	378929	L2831	14	
3358	$4521 \cdot 2^{1258753} + 1$	378927	L1792	14	
3359	$7393 \cdot 2^{1258710} + 1$	378914	L2549	14	
3360	$525 \cdot 2^{1258688} + 1$	378906	L2811	11	
3361	$9473 \cdot 2^{1258653} + 1$	378897	L3105	14	
3362	$6883 \cdot 2^{1258580} + 1$	378875	L3854	14	
3363	$25 \cdot 2^{1258562} + 1$	378867	g279	04	Generalized Fermat
3364	$8765 \cdot 2^{1258495} + 1$	378849	L2549	14	
3365	$5627 \cdot 2^{1258483} + 1$	378845	L3848	14	
3366	$781 \cdot 2^{1258420} + 1$	378826	L2085	11	
3367	$1831 \cdot 2^{1258364} + 1$	378809	L1204	14	
3368	$6993 \cdot 2^{1258269} + 1$	378781	L3743	14	
3369	$9973 \cdot 2^{1258180} + 1$	378754	L3671	14	
3370	$4005 \cdot 2^{1258162} - 1$	378749	L1959	13	
3371	$571 \cdot 2^{1258052} + 1$	378715	L1149	11	
3372	$917 \cdot 2^{1258011} + 1$	378703	L2702	11	
3373	$9339 \cdot 2^{1257938} + 1$	378682	L3262	14	
3374	$1219 \cdot 2^{1257913} - 1$	378673	L1828	12	
3375	$883 \cdot 2^{1257858} + 1$	378656	L2085	11	
3376	$321 \cdot 2^{1257859} + 1$	378656	L2038	12	
3377	$5309 \cdot 2^{1257831} + 1$	378649	L3810	14	
3378	$2084259 \cdot 2^{1257787} - 1$	378638	L466	08	
3379	$987537 \cdot 2^{1257787} + 1$	378638	L466	11	
3380	$280680 \cdot (2^{1257787} - 1) + 1$	378638	p373	14	
3381	$26869 \cdot 2^{1257787} - 1$	378637	L466	07	
3382	$2^{1257787} - 1$	378632	SG	96	Mersenne 34
3383	$9885 \cdot 2^{1257719} + 1$	378616	L1792	14	
3384	$9717 \cdot 2^{1257694} + 1$	378608	L3262	14	
3385	$5765 \cdot 2^{1257681} + 1$	378604	L3430	14	
3386	$8787 \cdot 2^{1257644} + 1$	378593	L2520	14	
3387	$7663 \cdot 2^{1257562} + 1$	378568	L3262	14	
3388	$291 \cdot 2^{1257405} - 1$	378520	L2338	12	
3389	$2661 \cdot 2^{1257361} + 1$	378507	L2675	14	
3390	$9965 \cdot 2^{1257335} + 1$	378500	L2038	14	
3391	$3075 \cdot 2^{1257333} + 1$	378499	L3813	14	
3392	$3657 \cdot 2^{1257314} + 1$	378493	L3514	14	
3393	$5377 \cdot 2^{1257308} + 1$	378492	L3797	14	
3394	$6519 \cdot 2^{1257299} + 1$	378489	L2038	14	
3395	$49 \cdot 2^{1257295} - 1$	378486	L217	08	
3396	$1621 \cdot 2^{1257140} + 1$	378441	L2038	14	
3397	$6201 \cdot 2^{1257068} + 1$	378419	L667	08	
3398	$8361 \cdot 2^{1257051} + 1$	378414	L3137	14	
3399	$555 \cdot 2^{1257047} + 1$	378412	L2716	11	
3400	$119 \cdot 2^{1256952} - 1$	378383	L2338	11	

rank	description	digits	who	year	comment
3401	$3763 \cdot 2^{1256864} + 1$	378358	L1204	14	
3402	$983 \cdot 2^{1256756} - 1$	378325	L1817	13	
3403	$2681 \cdot 2^{1256743} + 1$	378321	L1741	14	
3404	$2609 \cdot 2^{1256605} + 1$	378280	L1344	14	
3405	$1491 \cdot 2^{1256564} + 1$	378267	L3713	14	
3406	$6647 \cdot 2^{1256551} + 1$	378264	L3262	14	
3407	$1485 \cdot 2^{1256516} + 1$	378253	L1134	12	
3408	$793 \cdot 2^{1256511} - 1$	378251	L1817	13	
3409	$2361 \cdot 2^{1256459} + 1$	378236	L2520	14	
3410	$9907 \cdot 2^{1256314} + 1$	378193	L3262	14	
3411	$8193 \cdot 2^{1256262} + 1$	378177	L3262	14	
3412	$4151 \cdot 2^{1256259} + 1$	378176	L1745	14	
3413	$3159 \cdot 2^{1256259} + 1$	378176	L3105	14	
3414	$8745 \cdot 2^{1256229} + 1$	378167	L3854	14	
3415	$6615 \cdot 2^{1256156} + 1$	378145	L3262	14	
3416	$89725 \cdot 2^{1256151} - 1$	378145	p260	12	Generalized Woodall
3417	$9919 \cdot 2^{1256054} + 1$	378114	L1792	14	
3418	$2217 \cdot 2^{1255980} + 1$	378091	L3763	14	
3419	$341 \cdot 2^{1255881} + 1$	378061	L2824	12	
3420	$693 \cdot 2^{1255879} - 1$	378061	L1817	13	
3421	$7247 \cdot 2^{1255827} + 1$	378046	L1158	14	
3422	$6187 \cdot 2^{1255796} + 1$	378037	L1158	14	
3423	$579 \cdot 2^{1255762} + 1$	378025	L2810	11	
3424	$2163 \cdot 2^{1255556} + 1$	377964	L2873	14	
3425	$4097 \cdot 2^{1255462} - 1$	377936	L1959	13	
3426	[ Long prime 3426 ]	377922	x29	12	
3427	$4065 \cdot 2^{1255375} + 1$	377910	L2626	14	
3428	$4271 \cdot 2^{1255289} + 1$	377884	L3262	14	
3429	$691 \cdot 2^{1255260} + 1$	377874	L2820	11	
3430	$5031 \cdot 2^{1255249} + 1$	377872	L3786	14	
3431	$502051!_7 + 1$	377722	p3	12	Multifactorial
3432	$1289 \cdot 2^{1254635} + 1$	377686	L2967	14	
3433	$6555 \cdot 2^{1254508} - 1$	377649	L3887	14	
3434	$3221 \cdot 2^{1254483} + 1$	377641	L3763	14	
3435	$7149 \cdot 2^{1254463} + 1$	377635	L3713	14	
3436	$5427 \cdot 2^{1254444} + 1$	377630	L3262	14	
3437	$6945 \cdot 2^{1254274} + 1$	377578	L3262	14	
3438	$6045 \cdot 2^{1254150} + 1$	377541	L1492	14	
3439	$81 \cdot 2^{1254155} + 1$	377541	gt	07	
3440	$815 \cdot 2^{1253904} - 1$	377466	L2257	13	
3441	$27 \cdot 2^{1253870} - 1$	377454	L65	08	
3442	$3249 \cdot 2^{1253758} + 1$	377423	L3430	14	Generalized Fermat
3443	$2847 \cdot 2^{1253644} + 1$	377388	L1502	14	
3444	$9441 \cdot 2^{1253589} + 1$	377372	L3262	14	
3445	$8923 \cdot 2^{1253430} + 1$	377324	L3262	14	
3446	$4533 \cdot 2^{1253153} + 1$	377241	L1761	14	
3447	$745 \cdot 2^{1253108} + 1$	377226	L2522	11	
3448	$2563 \cdot 2^{1253084} + 1$	377220	L2714	14	
3449	$6659 \cdot 2^{1252899} + 1$	377165	L2520	14	
3450	$1041 \cdot 2^{1252387} - 1$	377010	L1828	12	

rank	description	digits	who	year	comment
3451	$5285 \cdot 2^{1252317} + 1$	376989	L3262	14	
3452	$9481 \cdot 2^{1252236} + 1$	376965	L3262	14	
3453	$5035 \cdot 2^{1252208} + 1$	376956	L2062	14	
3454	$9359 \cdot 2^{1252051} + 1$	376909	L3262	14	
3455	$5427 \cdot 2^{1252036} + 1$	376905	L3743	14	
3456	$2413 \cdot 2^{1251948} + 1$	376878	L2038	14	
3457	$7695 \cdot 2^{1251827} + 1$	376842	L3262	14	
3458	$9927 \cdot 2^{1251727} + 1$	376812	L1741	14	
3459	$9915 \cdot 2^{1251675} + 1$	376796	L3786	14	
3460	$877 \cdot 2^{1251678} + 1$	376796	L2655	11	
3461	$8511 \cdot 2^{1251664} + 1$	376793	L3262	14	
3462	$585 \cdot 2^{1251530} + 1$	376751	L2809	11	
3463	$7795 \cdot 2^{1251344} + 1$	376696	L2520	14	
3464	$1395 \cdot 2^{1251292} - 1$	376680	L1828	12	
3465	$2319 \cdot 2^{1251235} + 1$	376663	L3824	14	
3466	$3773 \cdot 2^{1251125} + 1$	376630	L1741	14	
3467	$80857169 \cdot 2^{1251076} - 1$	376620	L10	04	
3468	$2711 \cdot 2^{1250775} + 1$	376525	L1741	14	
3469	$1123 \cdot 2^{1250755} - 1$	376518	L1828	12	
3470	$7985 \cdot 2^{1250517} + 1$	376448	L1492	14	
3471	$1961 \cdot 2^{1250515} + 1$	376446	L1745	14	
3472	$3835 \cdot 2^{1250486} + 1$	376438	L3763	14	
3473	$8055 \cdot 2^{1250479} + 1$	376436	L2327	14	
3474	$7087 \cdot 2^{1250288} + 1$	376379	L2520	14	
3475	$7477 \cdot 2^{1250284} + 1$	376377	L2626	14	
3476	$5547 \cdot 2^{1250222} + 1$	376359	L2520	14	
3477	$1749 \cdot 2^{1250174} + 1$	376344	L3763	14	
3478	$181 \cdot 2^{1250169} - 1$	376341	L2074	11	
3479	$9081 \cdot 2^{1250127} + 1$	376330	L3294	14	
3480	$6919 \cdot 2^{1250118} + 1$	376327	L2875	14	
3481	$775 \cdot 2^{1250106} + 1$	376323	L2549	11	
3482	$57023 \cdot 6^{483561} - 1$	376289	p258	09	
3483	$871 \cdot 2^{1249947} - 1$	376275	L2257	13	
3484	$4747 \cdot 2^{1249792} + 1$	376229	L3035	14	
3485	$6819 \cdot 2^{1249746} + 1$	376215	L3820	14	
3486	$9147 \cdot 2^{1249714} + 1$	376206	L1456	14	
3487	$8405 \cdot 2^{1249683} + 1$	376196	L1741	14	
3488	$549868^{65536} + 1$	376194	g295	03	Generalized Fermat
3489	$3295 \cdot 2^{1249632} + 1$	376181	L3035	14	
3490	$1043 \cdot 2^{1249633} + 1$	376181	L2540	11	
3491	$9141 \cdot 2^{1249535} + 1$	376152	L3750	14	
3492	$2173 \cdot 2^{1249518} + 1$	376146	L2126	14	
3493	$2039 \cdot 2^{1249481} + 1$	376135	L3262	14	
3494	$5863 \cdot 2^{1249450} + 1$	376126	L3262	14	
3495	$207 \cdot 2^{1249252} + 1$	376065	L2906	12	
3496	$201 \cdot 2^{1249030} - 1$	375998	L1862	11	
3497	$8481 \cdot 2^{1248980} + 1$	375985	L3262	14	
3498	$7519 \cdot 2^{1248978} + 1$	375984	L3262	14	
3499	$2475 \cdot 2^{1248927} + 1$	375968	L3294	14	
3500	$3525 \cdot 2^{1248844} + 1$	375944	L1689	14	

rank	description	digits	who	year	comment
3501	$6969 \cdot 2^{1248837} + 1$	375942	L3588	14	
3502	$6675 \cdot 2^{1248833} + 1$	375941	L1753	14	
3503	$6413 \cdot 2^{1248785} + 1$	375926	L2038	14	
3504	$9801 \cdot 2^{1248728} + 1$	375909	L1456	14	Generalized Fermat
3505	$544118^{65536} + 1$	375895	g295	02	Generalized Fermat
3506	$5105 \cdot 2^{1248407} + 1$	375812	L3588	14	
3507	$6487 \cdot 2^{1248334} + 1$	375790	L3262	14	
3508	$7447 \cdot 2^{1248322} + 1$	375787	L1733	14	
3509	$7245 \cdot 2^{1248284} - 1$	375775	L2074	14	
3510	$5249 \cdot 2^{1248251} + 1$	375765	L2048	14	
3511	$9431 \cdot 2^{1248235} + 1$	375761	L3476	14	
3512	$6583 \cdot 2^{1248096} + 1$	375719	L2064	14	
3513	$821 \cdot 2^{1248033} + 1$	375699	L2808	11	
3514	$391 \cdot 2^{1247959} - 1$	375676	L644	10	
3515	$43902 \cdot 31^{251859} - 1$	375618	L2054	11	
3516	$4501 \cdot 2^{1247696} + 1$	375598	L3035	14	
3517	$8163 \cdot 2^{1247670} + 1$	375591	L2583	14	
3518	$3555 \cdot 2^{1247657} + 1$	375586	L3793	14	
3519	$2955 \cdot 2^{1247530} + 1$	375548	L3588	14	
3520	$1217 \cdot 2^{1247387} + 1$	375504	L1741	14	
3521	$9395 \cdot 2^{1247361} + 1$	375498	L1186	14	
3522	$3817 \cdot 2^{1247292} + 1$	375476	L3262	14	
3523	$4091 \cdot 2^{1247289} + 1$	375476	L1546	14	
3524	$7613 \cdot 2^{1247249} + 1$	375464	L3262	14	
3525	$7813 \cdot 2^{1247000} + 1$	375389	L3262	14	
3526	$5289 \cdot 2^{1246925} + 1$	375366	L3262	14	
3527	$6171 \cdot 2^{1246721} + 1$	375305	L2038	14	
3528	$1269 \cdot 2^{1246504} - 1$	375239	L1828	12	
3529	$3865 \cdot 2^{1246460} + 1$	375226	L3713	14	
3530	$9255 \cdot 2^{1246398} + 1$	375208	L2873	14	
3531	$5083 \cdot 2^{1246238} + 1$	375159	L3262	14	
3532	$9045 \cdot 2^{1246134} + 1$	375128	L3825	14	
3533	$7929 \cdot 2^{1246095} + 1$	375116	L2279	14	
3534	$7947 \cdot 2^{1246023} + 1$	375095	L1990	14	
3535	$329 \cdot 2^{1246017} + 1$	375092	L2085	12	Divides Fermat $F(1246013)$
3536	$2921 \cdot 2^{1246009} + 1$	375090	L2790	14	
3537	$4345 \cdot 2^{1245994} + 1$	375086	L3262	14	
3538	$6741 \cdot 2^{1245924} + 1$	375065	L3262	14	
3539	$2305 \cdot 2^{1245910} + 1$	375060	L3699	14	
3540	$2053 \cdot 12^{347512} - 1$	375032	p255	12	
3541	$979 \cdot 2^{1245698} + 1$	374996	L2826	11	
3542	$5017 \cdot 2^{1245678} + 1$	374991	L3262	14	
3543	$9679 \cdot 2^{1245666} + 1$	374987	L3727	14	
3544	$6535 \cdot 2^{1245590} + 1$	374964	L3790	14	
3545	$4117 \cdot 2^{1245557} - 1$	374954	L1959	13	
3546	$9673 \cdot 2^{1245548} + 1$	374952	L1204	14	
3547	$22 \cdot 3^{785831} - 1$	374939	L3326	12	
3548	$6177 \cdot 2^{1245440} + 1$	374919	L3791	14	
3549	$5445 \cdot 2^{1245349} - 1$	374892	L2484	14	
3550	$3009 \cdot 2^{1245334} + 1$	374887	L1774	14	



rank	description	digits	who	year	comment
3551	$3141 \cdot 2^{1245168} + 1$	374837	L3262	14	
3552	$153 \cdot 2^{1245154} - 1$	374831	L1959	11	
3553	$1061 \cdot 2^{1245114} - 1$	374820	L1828	12	
3554	$8993 \cdot 2^{1245093} + 1$	374815	L1741	14	
3555	$5175 \cdot 2^{1245070} + 1$	374808	L3262	14	
3556	$4197 \cdot 2^{1245038} - 1$	374798	L1959	13	
3557	$5799 \cdot 2^{1245023} + 1$	374794	L1990	14	
3558	$3053 \cdot 2^{1244925} + 1$	374764	L3262	14	
3559	$7753 \cdot 2^{1244902} + 1$	374757	L3588	14	
3560	$4019 \cdot 2^{1244799} + 1$	374726	L3262	14	
3561	$8175 \cdot 2^{1244756} + 1$	374713	L2583	14	
3562	$165 \cdot 2^{1244739} + 1$	374706	L1562	12	
3563	$9791 \cdot 2^{1244733} + 1$	374706	L2279	14	
3564	$9089 \cdot 2^{1244733} + 1$	374706	L3814	14	
3565	$9297 \cdot 2^{1244646} + 1$	374680	L3158	14	
3566	$375 \cdot 2^{1244550} + 1$	374650	L1158	12	
3567	$2991 \cdot 2^{1244532} + 1$	374645	L1753	14	
3568	$3625 \cdot 2^{1244512} + 1$	374640	L2322	14	
3569	$1209 \cdot 2^{1244507} - 1$	374638	L1828	12	
3570	$3207 \cdot 2^{1244504} + 1$	374637	L3588	14	
3571	$9709 \cdot 2^{1244394} + 1$	374604	L3760	14	
3572	$15 \cdot 2^{1244377} + 1$	374596	g279	06	
3573	$1167 \cdot 2^{1244321} - 1$	374582	L1828	12	
3574	$2469 \cdot 2^{1244310} + 1$	374579	L3668	14	
3575	$8617 \cdot 2^{1244202} + 1$	374547	L1733	14	
3576	$8479 \cdot 2^{1244154} + 1$	374532	L3588	14	
3577	$178602 \cdot 5^{535806} - 1$	374518	L2777	12	Generalized Woodall
3578	$2965 \cdot 2^{1244104} + 1$	374517	L2117	14	
3579	$169 \cdot 2^{1243903} - 1$	374455	L282	10	
3580	$7 \cdot 362^{146341} - 1$	374445	L1471	11	
3581	$1835 \cdot 2^{1243831} + 1$	374434	L3668	14	
3582	$4715 \cdot 2^{1243711} + 1$	374398	L3768	14	
3583	$6107 \cdot 2^{1243647} + 1$	374379	L3766	14	
3584	$8433 \cdot 2^{1243549} + 1$	374350	L1204	14	
3585	$1017 \cdot 2^{1243364} + 1$	374293	L2807	11	
3586	$423 \cdot 2^{1243214} - 1$	374248	L1817	13	
3587	$1245 \cdot 2^{1243197} - 1$	374243	L1828	12	
3588	$825 \cdot 2^{1243193} + 1$	374242	L2730	11	
3589	$1443 \cdot 2^{1243128} + 1$	374222	L3588	14	
3590	$3031 \cdot 2^{1243024} + 1$	374191	L3766	14	
3591	$9675 \cdot 2^{1242970} + 1$	374176	L3698	14	
3592	$5499 \cdot 2^{1242938} + 1$	374166	L2520	14	
3593	$1041 \cdot 2^{1242900} + 1$	374154	L2413	11	
3594	$8169 \cdot 2^{1242691} + 1$	374092	L3760	14	
3595	$9201 \cdot 2^{1242669} + 1$	374085	L1204	14	
3596	$139 \cdot 2^{1242661} - 1$	374081	L2074	12	
3597	$257708 \cdot 5^{535176} - 1$	374078	p196	07	
3598	$1415 \cdot 2^{1242423} + 1$	374010	L2413	14	
3599	$8729 \cdot 2^{1242411} + 1$	374007	L3588	14	
3600	$7649 \cdot 2^{1242315} + 1$	373978	L3262	14	

rank	description	digits	who	year	comment
3601	$9123 \cdot 2^{1242288} + 1$	373970	L3262	14	
3602	$119 \cdot 2^{1242207} + 1$	373944	L1751	11	
3603	$9867 \cdot 2^{1242011} + 1$	373887	L3262	14	
3604	$4449 \cdot 2^{1241866} + 1$	373843	L1733	14	
3605	$9239 \cdot 2^{1241735} + 1$	373804	L3262	14	
3606	$123 \cdot 2^{1241690} - 1$	373789	L1959	11	
3607	$7659 \cdot 2^{1241665} + 1$	373783	L3262	14	
3608	$6771 \cdot 2^{1241653} + 1$	373779	L3262	14	
3609	$4329 \cdot 2^{1241649} + 1$	373778	L1741	14	
3610	$707 \cdot 2^{1241499} + 1$	373732	L2806	11	
3611	$2105 \cdot 2^{1241419} + 1$	373708	L3262	14	
3612	$9549 \cdot 2^{1241411} + 1$	373706	L3262	14	
3613	$5513 \cdot 2^{1241337} + 1$	373684	L3668	14	
3614	$673 \cdot 2^{1241262} + 1$	373660	L2805	11	
3615	$5345 \cdot 2^{1241241} + 1$	373655	L2413	14	
3616	$285 \cdot 2^{1241173} + 1$	373633	L2085	12	
3617	$3037 \cdot 2^{1241074} + 1$	373604	L2531	14	
3618	$1077 \cdot 2^{1240976} + 1$	373575	L2085	11	
3619	$4753 \cdot 2^{1240894} + 1$	373550	L1741	14	
3620	$9663 \cdot 2^{1240757} + 1$	373510	L3806	14	
3621	$9079 \cdot 2^{1240750} + 1$	373507	L1160	14	
3622	$27029 \cdot 2^{1240648} - 1$	373477	L2055	11	
3623	$7839 \cdot 2^{1240646} + 1$	373476	L3262	14	
3624	$8907 \cdot 2^{1240578} + 1$	373456	L1204	14	
3625	$4715 \cdot 2^{1240543} + 1$	373445	L3514	14	
3626	$369 \cdot 2^{1240510} + 1$	373434	L2905	12	
3627	$3341 \cdot 2^{1240459} + 1$	373419	L2038	14	
3628	$8415 \cdot 2^{1240437} + 1$	373413	L2117	14	
3629	$5265 \cdot 2^{1240387} + 1$	373398	L3262	14	
3630	$2413 \cdot 2^{1240386} + 1$	373397	L2413	14	
3631	$6157 \cdot 2^{1240310} + 1$	373375	L3262	14	
3632	$8789 \cdot 2^{1240255} + 1$	373358	L3262	14	
3633	$159 \cdot 2^{1240229} - 1$	373349	L1959	11	
3634	$21 \cdot 2^{1240067} + 1$	373299	g279	04	
3635	$425 \cdot 2^{1240016} - 1$	373285	L1817	13	
3636	$7797 \cdot 2^{1239955} + 1$	373268	L1492	14	
3637	$8579 \cdot 10^{373260} - 1$	373264	p265	10	
3638	$1973 \cdot 2^{1239877} + 1$	373244	L3786	14	
3639	$315 \cdot 2^{1239735} + 1$	373200	L2907	12	
3640	$8577 \cdot 2^{1239675} + 1$	373184	L3199	14	
3641	$1345 \cdot 2^{1239661} - 1$	373179	L1828	12	
3642	$3303 \cdot 2^{1239656} + 1$	373178	L3783	14	
3643	$6783 \cdot 2^{1239565} + 1$	373151	L3616	14	
3644	$8541 \cdot 2^{1239529} + 1$	373140	L3262	14	
3645	$435 \cdot 2^{1239504} + 1$	373131	L2805	12	
3646	$9105 \cdot 2^{1239490} + 1$	373128	L1741	14	
3647	$2709 \cdot 2^{1239449} + 1$	373115	L3262	14	
3648	$6225 \cdot 2^{1239157} + 1$	373028	L3262	14	
3649	$9039 \cdot 2^{1239126} + 1$	373019	L2981	14	
3650	$1357 \cdot 2^{1238926} + 1$	372958	L3780	14	

rank	description	digits	who	year	comment
3651	2783 · 2 <sup>1238749</sup>	+ 1	372905	L3781	14
3652	2205 · 2 <sup>1238743</sup>	+ 1	372903	L3262	14
3653	1775 · 2 <sup>1238739</sup>	+ 1	372901	L3262	14
3654	2115 · 2 <sup>1238672</sup>	+ 1	372881	L3262	14
3655	7979 · 2 <sup>1238639</sup>	+ 1	372872	L3423	14
3656	4455 · 2 <sup>1238519</sup>	+ 1	372836	L1733	14
3657	4053 · 2 <sup>1238193</sup>	+ 1	372737	L1733	14
3658	3997 · 2 <sup>1238180</sup>	+ 1	372733	L2413	14
3659	7063 · 2 <sup>1238138</sup>	+ 1	372721	L3699	14
3660	3203 · 2 <sup>1238045</sup>	+ 1	372693	L2981	14
3661	5187 · 2 <sup>1238008</sup>	+ 1	372682	L3262	14
3662	4497 · 2 <sup>1237934</sup>	+ 1	372659	L1741	14
3663	2595 · 2 <sup>1237917</sup>	+ 1	372654	L3775	14
3664	4027 · 2 <sup>1237866</sup>	+ 1	372639	L1741	14
3665	5439 · 2 <sup>1237786</sup>	+ 1	372615	L3262	14
3666	7341 · 2 <sup>1237761</sup>	+ 1	372608	L1137	14
3667	4957 · 2 <sup>1237734</sup>	+ 1	372599	L3262	14
3668	3415 · 2 <sup>1237724</sup>	+ 1	372596	L1741	14
3669	1147 · 2 <sup>1237642</sup>	+ 1	372571	L2659	11
3670	1575 · 2 <sup>1237448</sup>	+ 1	372513	L2520	14
3671	4075 · 2 <sup>1237398</sup>	+ 1	372498	L2038	14
3672	6269 · 2 <sup>1237377</sup>	+ 1	372492	L1741	14
3673	6207 · 2 <sup>1237356</sup>	+ 1	372486	L1741	14
3674	7297 · 2 <sup>1237310</sup>	+ 1	372472	L3262	14
3675	7165 · 2 <sup>1237210</sup>	+ 1	372442	L3699	14
3676	9753 · 2 <sup>1237132</sup>	+ 1	372418	L3262	14
3677	8325 · 2 <sup>1236968</sup>	+ 1	372369	L3262	14
3678	5115 · 2 <sup>1236900</sup>	+ 1	372348	L1741	14
3679	7217 · 2 <sup>1236831</sup>	+ 1	372328	L1745	14
3680	1113 · 2 <sup>1236797</sup>	+ 1	372317	L2829	11
3681	5711 · 2 <sup>1236551</sup>	+ 1	372243	L2823	14
3682	3401 · 2 <sup>1236517</sup>	+ 1	372233	L2520	14
3683	3957 · 2 <sup>1236514</sup>	+ 1	372232	L2038	14
3684	8171 · 2 <sup>1236507</sup>	+ 1	372230	L2626	14
3685	7617 · 2 <sup>1236482</sup>	+ 1	372223	L3171	14
3686	9257 · 2 <sup>1236431</sup>	+ 1	372207	L3812	14
3687	7345 · 2 <sup>1236280</sup>	+ 1	372162	L3048	14
3688	7055 · 2 <sup>1236229</sup>	+ 1	372146	L3262	14
3689	8819 · 2 <sup>1236025</sup>	+ 1	372085	L3588	14
3690	6373 · 2 <sup>1236006</sup>	+ 1	372079	L2520	14
3691	4635 · 2 <sup>1235976</sup>	+ 1	372070	L3699	14
3692	5673 · 2 <sup>1235958</sup>	+ 1	372065	L2279	14
3693	8159 · 2 <sup>1235875</sup>	+ 1	372040	L2048	14
3694	7081 · 2 <sup>1235808</sup>	+ 1	372020	L2866	14
3695	9309 · 2 <sup>1235626</sup>	+ 1	371965	L2117	14
3696	3515 · 2 <sup>1235623</sup>	+ 1	371964	L3206	14
3697	8715 · 2 <sup>1235606</sup>	+ 1	371959	L3760	14
3698	6259 · 2 <sup>1235586</sup>	+ 1	371953	L3773	14
3699	8837 · 2 <sup>1235559</sup>	+ 1	371945	L1753	14
3700	1677 · 2 <sup>1235543</sup>	+ 1	371939	L3158	14

rank	description	digits	who	year	comment
3701	$6461 \cdot 2^{1235539} + 1$	371939	L2532	14	
3702	$165 \cdot 2^{1235490} - 1$	371922	L2101	11	
3703	$2737 \cdot 2^{1235408} + 1$	371899	L2549	14	
3704	$43 \cdot 2^{1235298} + 1$	371864	g279	06	
3705	$1707 \cdot 2^{1235207} + 1$	371838	L3768	14	
3706	$6481 \cdot 2^{1235200} + 1$	371837	L1741	14	
3707	$6171 \cdot 2^{1235161} + 1$	371825	L3766	14	
3708	$577 \cdot 2^{1235058} + 1$	371793	L2804	11	
3709	$615 \cdot 2^{1235039} - 1$	371787	L1978	12	
3710	$259738 \cdot 3^{779214} + 1$	371785	L2777	11	Generalized Cullen
3711	$8495 \cdot 2^{1234841} + 1$	371729	L3262	14	
3712	$185 \cdot 2^{1234730} - 1$	371694	L1959	11	
3713	$19861029 \cdot 2^{1234572} - 1$	371651	L895	12	
3714	$6009 \cdot 2^{1234511} + 1$	371629	L3671	14	
3715	$4163 \cdot 2^{1234360} - 1$	371584	L1959	13	
3716	$8229 \cdot 2^{1234302} + 1$	371566	L3588	14	
3717	$2979 \cdot 2^{1234303} + 1$	371566	L2549	14	
3718	$7601 \cdot 2^{1234057} + 1$	371493	L2826	14	
3719	$595 \cdot 2^{1234025} - 1$	371482	L1817	13	
3720	$2129 \cdot 2^{1233779} + 1$	371408	L3412	13	
3721	$13483 \cdot 2^{1233619} - 1$	371361	L2055	11	
3722	$705 \cdot 2^{1233563} - 1$	371343	L2257	12	
3723	$6147 \cdot 2^{1233486} + 1$	371321	L2549	14	
3724	$531 \cdot 2^{1233440} + 1$	371306	L2803	11	Divides $GF(1233439, 5)$
3725	$1677 \cdot 2^{1233336} + 1$	371275	L3548	13	
3726	$1785 \cdot 2^{1233319} + 1$	371270	L1733	13	
3727	$145 \cdot 2^{1233286} + 1$	371259	L1751	11	
3728	$1045 \cdot 2^{1233270} + 1$	371255	L2659	11	
3729	$9343 \cdot 2^{1233256} + 1$	371252	L3588	14	
3730	$2875 \cdot 2^{1233256} + 1$	371251	L2520	13	
3731	$2 \cdot 170^{166428} - 1$	371210	L2054	11	
3732	$1935 \cdot 2^{1233015} + 1$	371178	L3548	13	
3733	$9727 \cdot 2^{1232994} + 1$	371173	L3760	14	
3734	$9241 \cdot 2^{1232956} + 1$	371161	L2873	14	
3735	$7385 \cdot 2^{1232891} + 1$	371142	L3294	14	
3736	$5007 \cdot 2^{1232886} + 1$	371140	L1741	14	
3737	$7011 \cdot 2^{1232784} + 1$	371109	L3430	14	
3738	$9843 \cdot 2^{1232722} + 1$	371091	L3262	14	
3739	$4733 \cdot 2^{1232689} + 1$	371081	L3168	14	
3740	$1067 \cdot 2^{1232654} - 1$	371069	L1828	12	
3741	$4289 \cdot 2^{1232571} + 1$	371045	L2520	14	
3742	$711 \cdot 2^{1232535} + 1$	371033	L1303	11	
3743	$5643 \cdot 2^{1232518} + 1$	371029	L3034	14	
3744	$9621 \cdot 2^{1232501} + 1$	371024	L1741	14	
3745	$569 \cdot 2^{1232424} - 1$	371000	L1817	13	
3746	$987 \cdot 2^{1232387} + 1$	370989	L2619	11	
3747	$9923 \cdot 2^{1232333} + 1$	370974	L2327	14	
3748	$5849 \cdot 2^{1232295} + 1$	370962	L3423	14	
3749	$2115 \cdot 2^{1232294} + 1$	370961	L3713	13	
3750	$8795 \cdot 2^{1232255} + 1$	370950	L3262	14	

rank	description	digits	who	year	comment
3751	$3 \cdot 2^{1232255} - 1$	370947	L30	04	
3752	$6899 \cdot 2^{1232171} + 1$	370925	L2981	14	
3753	$1157 \cdot 2^{1231906} - 1$	370844	L1828	12	
3754	$8143 \cdot 2^{1231664} + 1$	370772	L3588	14	
3755	$51 \cdot 2^{1231665} - 1$	370770	L384	10	
3756	$957 \cdot 2^{1231656} + 1$	370769	L1741	11	
3757	$2475 \cdot 2^{1231584} + 1$	370748	L3548	13	
3758	$5871 \cdot 2^{1231561} + 1$	370741	L2549	14	
3759	$8675 \cdot 2^{1231443} + 1$	370706	L3262	14	
3760	$5763 \cdot 2^{1231376} + 1$	370685	L1741	14	
3761	$1357 \cdot 2^{1231324} + 1$	370669	L3548	13	
3762	$4251 \cdot 2^{1231307} + 1$	370664	L3294	14	
3763	$7761 \cdot 2^{1231228} + 1$	370641	L3294	14	
3764	$3411 \cdot 2^{1231211} + 1$	370635	L1741	13	
3765	$1119 \cdot 2^{1231192} - 1$	370629	L1828	12	
3766	$2421 \cdot 2^{1231103} + 1$	370603	L3548	13	
3767	$8581 \cdot 2^{1231084} + 1$	370598	L3262	14	
3768	$1395 \cdot 2^{1230933} + 1$	370551	L3262	13	
3769	$9325 \cdot 2^{1230850} + 1$	370527	L3588	14	
3770	$2625 \cdot 2^{1230805} + 1$	370513	L1139	13	
3771	$9585 \cdot 2^{1230790} + 1$	370509	L3810	14	
3772	$1979 \cdot 2^{1230765} + 1$	370501	L2837	13	
3773	$4125 \cdot 2^{1230651} + 1$	370467	L3262	14	
3774	$4223 \cdot 2^{1230633} + 1$	370462	L1741	14	
3775	$1587 \cdot 2^{1230628} + 1$	370460	L3548	13	
3776	$3179 \cdot 2^{1230431} + 1$	370401	L3548	13	
3777	$3399 \cdot 2^{1230309} + 1$	370364	L3548	13	
3778	$7863 \cdot 2^{1230300} + 1$	370362	L3294	14	
3779	$8823 \cdot 2^{1230161} + 1$	370320	L3808	14	
3780	$3411 \cdot 2^{1230152} + 1$	370317	L3726	13	
3781	$1129 \cdot 2^{1230141} - 1$	370313	L1828	12	
3782	$7817 \cdot 2^{1229839} + 1$	370223	L2322	14	
3783	$7813 \cdot 2^{1229788} + 1$	370207	L2981	14	
3784	$2293 \cdot 2^{1229788} + 1$	370207	L2831	13	
3785	$1075 \cdot 2^{1229708} + 1$	370183	L2522	11	
3786	$8153 \cdot 2^{1229665} + 1$	370170	L3131	14	
3787	$15 \cdot 2^{1229600} + 1$	370148	g279	06	
3788	$19581121 \cdot 2^{1229561} - 1$	370143	p49	08	
3789	$4303 \cdot 2^{1229412} + 1$	370094	L1745	14	
3790	$513 \cdot 2^{1229391} - 1$	370087	L2047	13	
3791	$4603 \cdot 2^{1229378} + 1$	370084	L2549	14	
3792	$6351 \cdot 2^{1229319} + 1$	370066	L3755	14	
3793	$879 \cdot 2^{1229303} - 1$	370061	L1817	12	
3794	$7481 \cdot 2^{1229203} + 1$	370031	L3755	14	
3795	$5965 \cdot 2^{1229186} + 1$	370026	L1745	14	
3796	$6025 \cdot 2^{1229148} + 1$	370015	L3695	14	
3797	$9677 \cdot 2^{1229147} + 1$	370015	L2038	14	
3798	$8461 \cdot 2^{1229080} + 1$	369994	L3262	14	
3799	$9215 \cdot 2^{1228901} + 1$	369941	L2126	14	
3800	$9207 \cdot 2^{1228867} + 1$	369930	L3813	14	

rank	description	digits	who	year	comment
3801	$7119 \cdot 2^{1228866} + 1$	369930	L3658	14	
3802	$3735 \cdot 2^{1228827} + 1$	369918	L2070	13	
3803	$9627 \cdot 2^{1228806} + 1$	369912	L1823	14	
3804	$6581 \cdot 2^{1228805} + 1$	369911	L3763	14	
3805	$440846^{65536} + 1$	369904	GC1	02	Generalized Fermat
3806	$349 \cdot 2^{1228715} - 1$	369883	L579	10	
3807	$1315 \cdot 2^{1228613} - 1$	369853	L1828	12	
3808	$613 \cdot 2^{1228474} + 1$	369811	L2659	11	
3809	$631 \cdot 2^{1228421} - 1$	369795	L2257	12	
3810	$8101 \cdot 2^{1228384} + 1$	369785	L3262	14	
3811	$44 \cdot 383^{143148} - 1$	369782	L2012	14	
3812	$1923 \cdot 2^{1228357} + 1$	369776	L2719	13	
3813	$7475 \cdot 2^{1228307} + 1$	369762	L376	14	
3814	$889 \cdot 2^{1228285} - 1$	369754	L2257	12	
3815	$9701 \cdot 2^{1228243} + 1$	369742	L3588	14	
3816	$9999998 \cdot 10^{369705} - 1$	369712	L1958	14	Near-repdigit
3817	$6895 \cdot 2^{1228014} + 1$	369673	L1477	14	
3818	$3555 \cdot 2^{1227976} + 1$	369662	L3548	13	
3819	$9429 \cdot 2^{1227926} + 1$	369647	L3806	14	
3820	$4099 \cdot 2^{1227794} + 1$	369607	L3755	14	
3821	$1629 \cdot 2^{1227739} + 1$	369590	L3548	13	
3822	$1159 \cdot 2^{1227650} + 1$	369563	L1935	11	
3823	$4931 \cdot 2^{1227525} + 1$	369526	L3755	14	
3824	$6639 \cdot 2^{1227507} + 1$	369521	L3760	14	
3825	$1307 \cdot 2^{1227482} - 1$	369513	L1828	12	
3826	$593 \cdot 2^{1227476} - 1$	369510	L1817	13	
3827	$3655 \cdot 2^{1227466} + 1$	369508	L2809	13	
3828	$4785 \cdot 2^{1227416} + 1$	369493	L3755	14	
3829	$1289 \cdot 2^{1227403} + 1$	369489	L1741	13	
3830	$5863 \cdot 2^{1227386} + 1$	369484	L1741	14	
3831	$2965 \cdot 2^{1227314} + 1$	369462	L2413	13	
3832	$9167 \cdot 2^{1227311} + 1$	369462	L2981	14	
3833	$757 \cdot 2^{1227234} + 1$	369438	L1210	11	
3834	$1559 \cdot 2^{1227229} + 1$	369436	L3548	13	
3835	$5019 \cdot 2^{1227205} + 1$	369430	L3755	14	
3836	$5565 \cdot 2^{1227099} + 1$	369398	L3759	14	
3837	$6213 \cdot 2^{1226950} + 1$	369353	L1204	14	
3838	$1085 \cdot 2^{1226897} + 1$	369336	L2655	11	
3839	$573 \cdot 2^{1226854} - 1$	369323	L1817	13	
3840	$2625 \cdot 2^{1226803} + 1$	369308	L1745	13	
3841	$9411 \cdot 2^{1226739} + 1$	369290	L1741	14	
3842	$5579 \cdot 2^{1226737} + 1$	369289	L2520	14	
3843	$5233 \cdot 2^{1226700} + 1$	369278	L3514	14	
3844	$9519 \cdot 2^{1226566} + 1$	369238	L3262	14	
3845	$919 \cdot 2^{1226562} + 1$	369235	L2797	11	
3846	$5609 \cdot 2^{1226531} + 1$	369227	L3262	14	
3847	$4257 \cdot 2^{1226423} + 1$	369194	L2886	14	
3848	$7603 \cdot 2^{1226328} + 1$	369166	L2549	14	
3849	$2145 \cdot 2^{1226291} - 1$	369154	L1862	13	
3850	$287 \cdot 2^{1226144} - 1$	369109	p279	10	

rank	description	digits	who	year	comment
3851	$6323 \cdot 2^{1226093} + 1$	369095	L1741	14	
3852	$6555 \cdot 2^{1225770} - 1$	368998	L2484	14	
3853	$8185 \cdot 2^{1225738} + 1$	368988	L2279	14	
3854	$9485 \cdot 2^{1225669} + 1$	368968	L3262	14	
3855	$4799 \cdot 2^{1225665} + 1$	368966	L3755	14	
3856	$8589 \cdot 2^{1225637} + 1$	368958	L3262	14	
3857	$1701 \cdot 2^{1225611} + 1$	368949	L3548	13	
3858	$5295 \cdot 2^{1225536} + 1$	368927	L3262	14	
3859	$6825 \cdot 2^{1225488} + 1$	368913	L3755	14	
3860	$5139 \cdot 2^{1225425} + 1$	368894	L3758	14	
3861	$86 \cdot 123^{176510} - 1$	368892	L1471	12	
3862	$9221 \cdot 2^{1225369} + 1$	368877	L3588	14	
3863	$8593 \cdot 2^{1225272} + 1$	368848	L3262	14	
3864	$3275 \cdot 2^{1225145} + 1$	368809	L1186	13	
3865	$123 \cdot 2^{1225115} - 1$	368799	L1959	11	
3866	$6403 \cdot 2^{1225086} + 1$	368792	L3753	14	
3867	$5649 \cdot 2^{1225083} + 1$	368791	L3757	14	
3868	$4421 \cdot 2^{1225063} + 1$	368785	L2626	14	
3869	$6357 \cdot 2^{1224964} + 1$	368755	L3760	14	
3870	$3499 \cdot 2^{1224890} + 1$	368733	L1745	13	
3871	$2375 \cdot 2^{1224889} + 1$	368732	L3548	13	
3872	$8331405 \cdot 2^{1224804} - 1$	368710	L260	10	
3873	$5925 \cdot 2^{1224804} + 1$	368707	L1130	14	
3874	$3471 \cdot 2^{1224763} + 1$	368694	L3548	13	Divides $GF(1224758, 6)$
3875	$6851 \cdot 2^{1224703} + 1$	368677	L1741	14	
3876	$4185 \cdot 2^{1224663} - 1$	368664	L1959	13	
3877	$5051 \cdot 2^{1224601} + 1$	368646	L3262	13	
3878	$2163 \cdot 2^{1224400} + 1$	368585	L3035	13	
3879	$9537 \cdot 2^{1224332} + 1$	368565	L3803	14	
3880	$4005 \cdot 2^{1224094} + 1$	368493	L3744	13	
3881	$179 \cdot 2^{1224019} + 1$	368469	L2835	12	
3882	$1023 \cdot 2^{1223814} + 1$	368408	L2117	11	
3883	$515 \cdot 2^{1223805} + 1$	368405	L2322	11	
3884	$9265 \cdot 2^{1223786} + 1$	368401	L1130	14	
3885	$9645 \cdot 2^{1223623} + 1$	368352	L3760	14	
3886	$7893 \cdot 2^{1223613} + 1$	368349	L3755	13	
3887	$849 \cdot 2^{1223571} - 1$	368335	L1815	12	
3888	$6517 \cdot 2^{1223520} + 1$	368321	L3234	13	
3889	$9427 \cdot 2^{1223460} + 1$	368303	L1204	14	
3890	$9803 \cdot 2^{1223453} + 1$	368301	L3545	14	
3891	$1653 \cdot 2^{1223260} + 1$	368242	L3262	13	
3892	$3243 \cdot 2^{1223024} + 1$	368171	L3712	13	
3893	$3441 \cdot 2^{1222996} + 1$	368163	L3262	13	
3894	$4603 \cdot 2^{1222908} + 1$	368136	L3668	13	
3895	$3907 \cdot 2^{1222828} + 1$	368112	L3713	13	
3896	$1929 \cdot 2^{1222751} + 1$	368089	L3548	13	
3897	$8733 \cdot 2^{1222624} + 1$	368051	L3262	14	
3898	$1027 \cdot 2^{1222565} - 1$	368032	L1828	12	
3899	$4169 \cdot 2^{1222495} + 1$	368012	L2100	13	
3900	$3729 \cdot 2^{1222462} + 1$	368002	L3548	13	

rank	description	digits	who	year	comment
3901	$4103 \cdot 2^{1222417} + 1$	367988	L2413	13	
3902	$141 \cdot 2^{1222421} + 1$	367988	L1751	11	
3903	$2955 \cdot 2^{1222267} + 1$	367943	L1204	13	
3904	$6915 \cdot 2^{1222132} + 1$	367903	L2549	13	
3905	$7209 \cdot 2^{1221977} + 1$	367856	L2048	14	
3906	$3129 \cdot 2^{1221955} + 1$	367849	L3262	13	
3907	$1027 \cdot 2^{1221942} + 1$	367845	L2802	11	
3908	$7277 \cdot 2^{1221923} + 1$	367840	L3753	13	
3909	$4135 \cdot 2^{1221887} - 1$	367829	L1959	13	
3910	$4477 \cdot 2^{1221814} + 1$	367807	L3698	13	
3911	$4107 \cdot 2^{1221754} + 1$	367789	L2532	13	
3912	$8433 \cdot 2^{1221721} + 1$	367779	L3262	14	
3913	$8483 \cdot 2^{1221641} + 1$	367755	L1741	14	
3914	$4175 \cdot 2^{1221640} - 1$	367754	L1959	13	
3915	$5439 \cdot 2^{1221406} + 1$	367684	L2840	14	
3916	$2205 \cdot 2^{1221369} + 1$	367673	L3548	13	
3917	$4249 \cdot 2^{1221214} + 1$	367626	L3750	13	
3918	$351 \cdot 2^{1221009} + 1$	367563	L2861	12	
3919	$8071 \cdot 2^{1220896} + 1$	367531	L2626	14	
3920	$6501 \cdot 2^{1220856} + 1$	367519	L3171	13	
3921	$6461 \cdot 2^{1220717} + 1$	367477	L1745	13	
3922	$4113 \cdot 2^{1220636} + 1$	367452	L2066	13	
3923	$7261 \cdot 2^{1220572} + 1$	367433	L2413	13	
3924	$9133 \cdot 2^{1220526} + 1$	367419	L3262	14	
3925	$5473 \cdot 2^{1220524} + 1$	367419	L2594	13	
3926	$2893 \cdot 2^{1220512} + 1$	367415	L3262	13	
3927	$9847 \cdot 2^{1220430} + 1$	367391	L2823	14	
3928	$107 \cdot 2^{1220391} + 1$	367377	L2873	12	
3929	$1183 \cdot 2^{1220323} - 1$	367357	L1828	12	
3930	$128552 \cdot 5^{525537} + 1$	367340	p292	10	
3931	$429 \cdot 2^{1220185} + 1$	367315	L1158	12	
3932	$5139 \cdot 2^{1220067} + 1$	367281	L3586	13	
3933	$1541 \cdot 2^{1220067} + 1$	367280	L3709	13	
3934	$1395 \cdot 2^{1220066} + 1$	367280	L3548	13	
3935	$3527 \cdot 2^{1220035} + 1$	367271	L3548	13	
3936	$913 \cdot 2^{1220010} + 1$	367263	L2801	11	
3937	$5961 \cdot 2^{1220007} + 1$	367263	L2626	13	
3938	$5481 \cdot 2^{1219949} + 1$	367245	L3727	13	
3939	$8619 \cdot 2^{1219829} + 1$	367210	L3262	14	
3940	$8897 \cdot 2^{1219795} + 1$	367199	L3262	14	
3941	[ Long prime 3941 ]	367199	p342	12	
3942	$6165 \cdot 2^{1219740} - 1$	367183	L1828	14	
3943	$2725 \cdot 2^{1219638} + 1$	367152	L3548	13	
3944	$1277 \cdot 2^{1219524} - 1$	367117	L1828	12	
3945	$827 \cdot 2^{1219466} - 1$	367099	L1815	12	
3946	$6969 \cdot 2^{1219439} + 1$	367092	L3719	13	
3947	$183 \cdot 2^{1219415} - 1$	367083	L2055	11	
3948	$7799 \cdot 2^{1219387} + 1$	367076	L2413	13	
3949	$177482 \cdot 11^{177482} + 1$	367072	g407	08	Generalized Cullen
3950	$583 \cdot 2^{1219350} + 1$	367064	L2800	11	



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3951	$2085 \cdot 2^{1219265} + 1$	367039	L3548	13	
3952	$4083 \cdot 2^{1219134} - 1$	367000	L1959	13	
3953	$1305 \cdot 2^{1219127} - 1$	366997	L1828	12	
3954	$7789 \cdot 2^{1219102} + 1$	366991	L2413	13	
3955	$3747 \cdot 2^{1219099} + 1$	366989	L1741	13	
3956	$4931 \cdot 2^{1219095} + 1$	366988	L2520	13	
3957	$1403 \cdot 2^{1219065} + 1$	366979	L3548	13	
3958	$122 \cdot 18^{292318} + 1$	366941	p231	09	
3959	$8303 \cdot 2^{1218925} + 1$	366937	L3262	14	
3960	$2573 \cdot 2^{1218857} + 1$	366916	L3262	13	
3961	$3579 \cdot 2^{1218849} + 1$	366914	L3271	13	
3962	$8049 \cdot 2^{1218758} + 1$	366887	L1186	14	
3963	$4767 \cdot 2^{1218758} + 1$	366887	L3743	13	
3964	$7083 \cdot 2^{1218653} + 1$	366855	L3752	13	
3965	$9885 \cdot 2^{1218599} + 1$	366839	L3588	14	
3966	$621 \cdot 2^{1218520} + 1$	366814	L2085	11	
3967	$315 \cdot 2^{1218433} + 1$	366788	L1568	11	
3968	$3005 \cdot 2^{1218417} + 1$	366784	L2840	13	
3969	$8977 \cdot 2^{1218384} + 1$	366775	L3797	14	
3970	$8969 \cdot 2^{1218335} + 1$	366760	L3262	14	
3971	$174 \cdot 1021^{121880} - 1$	366743	L2054	11	
3972	$6687 \cdot 2^{1218239} + 1$	366731	L1741	13	
3973	$347 \cdot 2^{1218211} + 1$	366721	L2085	12	
3974	$1401 \cdot 2^{1218207} + 1$	366720	L3548	13	
3975	$3899 \cdot 2^{1218163} + 1$	366708	L2413	13	
3976	$4179 \cdot 2^{1218144} - 1$	366702	L1959	13	
3977	$5441 \cdot 2^{1218025} + 1$	366666	L3748	13	
3978	$1599 \cdot 2^{1217874} + 1$	366620	L3548	13	
3979	$7847 \cdot 2^{1217855} + 1$	366615	L3271	13	
3980	$6759 \cdot 2^{1217767} + 1$	366589	L3262	13	
3981	$8281 \cdot 2^{1217616} + 1$	366543	L2521	14	Generalized Fermat
3982	$3371 \cdot 2^{1217403} + 1$	366479	L3548	13	
3983	$3177 \cdot 2^{1217314} + 1$	366452	L3548	13	
3984	$1515 \cdot 2^{1217300} + 1$	366447	L3548	13	
3985	$4325 \cdot 2^{1217149} + 1$	366402	L3131	14	
3986	$9375 \cdot 2^{1217053} + 1$	366374	L2125	14	
3987	$6495 \cdot 2^{1216904} + 1$	366329	L3742	13	
3988	$9057 \cdot 2^{1216739} + 1$	366279	L3262	14	
3989	$9375 \cdot 2^{1216722} + 1$	366274	L2823	14	
3990	$8463 \cdot 2^{1216481} + 1$	366202	L3262	14	
3991	$997 \cdot 2^{1216484} + 1$	366202	L2539	11	
3992	$8249 \cdot 2^{1216389} + 1$	366174	L3760	14	
3993	$6743 \cdot 2^{1216377} + 1$	366170	L1745	13	
3994	$2125 \cdot 2^{1216360} + 1$	366165	L3262	13	
3995	$2671 \cdot 2^{1216356} + 1$	366164	L1741	13	
3996	$7905 \cdot 2^{1216342} + 1$	366160	L3673	13	
3997	$8049 \cdot 2^{1216331} + 1$	366157	L3588	14	
3998	$8795 \cdot 2^{1216257} + 1$	366134	L2066	14	
3999	$2061 \cdot 2^{1216253} - 1$	366132	L840	13	
4000	$563 \cdot 2^{1216134} - 1$	366096	L1817	13	

rank	description	digits	who	year	comment
4001	$1363 \cdot 2^{1216078} + 1$	366080	L3695	13	
4002	$553 \cdot 2^{1216046} + 1$	366070	L2413	11	
4003	$9581 \cdot 2^{1215819} + 1$	366002	L2125	14	
4004	$6165 \cdot 2^{1215466} + 1$	365896	L3262	13	
4005	$1215 \cdot 2^{1215357} + 1$	365862	L3548	13	
4006	$153 \cdot 2^{1215327} - 1$	365853	L2055	11	
4007	$843301\# - 1$	365851	p302	10	Primorial
4008	$3235 \cdot 2^{1215236} + 1$	365826	L1379	13	
4009	$8047 \cdot 2^{1215234} + 1$	365826	L3262	14	
4010	$1151 \cdot 2^{1215135} + 1$	365796	L2779	11	
4011	$1305 \cdot 2^{1215064} - 1$	365774	L1828	12	
4012	$8173 \cdot 2^{1215036} + 1$	365767	L3798	14	
4013	$8457 \cdot 2^{1214776} + 1$	365688	L1456	14	
4014	$4375 \cdot 2^{1214406} + 1$	365577	L1761	13	
4015	$6321 \cdot 2^{1214224} + 1$	365522	L3171	13	
4016	$3731 \cdot 2^{1214219} + 1$	365520	L3548	13	
4017	$3579 \cdot 2^{1214206} + 1$	365516	L1745	13	
4018	$1367 \cdot 2^{1214091} + 1$	365481	L3548	13	
4019	$9237 \cdot 2^{1214046} + 1$	365469	L2125	14	
4020	$143 \cdot 2^{1214022} - 1$	365460	L1828	12	
4021	$153 \cdot 2^{1214002} + 1$	365454	L1751	11	
4022	$9555 \cdot 2^{1213981} + 1$	365449	L3790	14	
4023	$9541 \cdot 2^{1213964} + 1$	365444	L2790	14	
4024	$771 \cdot 2^{1213789} - 1$	365390	L1815	12	
4025	$8477 \cdot 2^{1213783} + 1$	365390	L1745	14	
4026	$5445 \cdot 2^{1213625} + 1$	365342	L2831	13	
4027	$7611 \cdot 2^{1213584} + 1$	365330	L3732	13	
4028	$7673 \cdot 2^{1213489} + 1$	365301	L2520	13	
4029	$9797 \cdot 2^{1213367} + 1$	365264	L2626	14	
4030	$9321 \cdot 2^{1213356} + 1$	365261	L3807	14	
4031	$4017 \cdot 2^{1213348} + 1$	365258	L3514	13	
4032	$3835 \cdot 2^{1213336} + 1$	365255	L1741	13	
4033	$1127 \cdot 2^{1213307} + 1$	365245	L2799	11	
4034	$9021 \cdot 2^{1213297} + 1$	365243	L3806	14	
4035	$4095 \cdot 2^{1213247} - 1$	365228	L1959	13	
4036	$6127 \cdot 2^{1213206} + 1$	365216	L3717	13	
4037	$5535 \cdot 2^{1213120} - 1$	365190	L1828	14	
4038	$4905 \cdot 2^{1212915} + 1$	365128	L1455	13	
4039	$4947 \cdot 2^{1212870} + 1$	365114	L2715	13	
4040	$7557 \cdot 2^{1212863} + 1$	365113	L3762	14	
4041	$4755 \cdot 2^{1212810} + 1$	365096	L2117	13	
4042	$6587 \cdot 2^{1212795} + 1$	365092	L1741	13	
4043	$1051 \cdot 2^{1212772} + 1$	365084	L2785	11	
4044	$3989 \cdot 2^{1212629} + 1$	365042	L3035	13	
4045	$2339 \cdot 2^{1212599} + 1$	365033	L1741	13	
4046	$5505 \cdot 2^{1212579} + 1$	365027	L1741	13	
4047	$1593 \cdot 2^{1212385} + 1$	364968	L3548	13	
4048	$4221 \cdot 2^{1212344} + 1$	364956	L2038	13	
4049	$883 \cdot 2^{1212322} + 1$	364949	L2796	11	
4050	$3645 \cdot 2^{1212210} - 1$	364916	L3345	14	

rank	description	digits	who	year	comment
4051	$2197 \cdot 2^{1212176} + 1$	364905	L3548	13	
4052	$8241 \cdot 2^{1212157} + 1$	364900	L3262	14	
4053	$1121 \cdot 2^{1212101} + 1$	364882	L2797	11	
4054	$8713 \cdot 2^{1212070} + 1$	364874	L3262	14	
4055	$8257 \cdot 2^{1211980} + 1$	364847	L3262	14	
4056	$3707 \cdot 2^{1211959} + 1$	364840	L1741	13	
4057	$9365 \cdot 2^{1211945} + 1$	364836	L2038	14	
4058	$9641 \cdot 2^{1211889} + 1$	364819	L3199	14	
4059	$99 \cdot 2^{1211757} + 1$	364778	L1446	11	Divides $GF(1211755, 5)$
4060	$3947 \cdot 2^{1211707} + 1$	364764	L3714	13	
4061	$7407 \cdot 2^{1211486} + 1$	364698	L2413	13	
4062	$25 \cdot 2^{1211488} + 1$	364696	g279	05	Generalized Fermat, divides $GF(1211487, 12)$
4063	$595 \cdot 2^{1211446} + 1$	364685	L2551	11	
4064	$7349 \cdot 2^{1211423} + 1$	364679	L2413	13	
4065	$1701 \cdot 2^{1211385} + 1$	364667	L2831	13	
4066	$4075 \cdot 2^{1211364} + 1$	364661	L2626	13	
4067	$5733 \cdot 2^{1211333} + 1$	364652	L3728	13	
4068	$4031 \cdot 2^{1211274} - 1$	364634	L1959	13	
4069	$5649 \cdot 2^{1211209} + 1$	364614	L3262	13	
4070	$2085 \cdot 2^{1211126} - 1$	364589	L840	13	
4071	$9 \cdot 10^{364521} - 1$	364522	p297	10	Near-repdigit
4072	$1285 \cdot 2^{1210478} + 1$	364394	L3707	13	
4073	$8527 \cdot 2^{1210446} + 1$	364385	L3796	14	
4074	$6381 \cdot 2^{1210317} + 1$	364346	L2826	13	
4075	$6315 \cdot 2^{1210286} + 1$	364337	L1379	13	
4076	$117 \cdot 2^{1210282} - 1$	364334	L2055	11	
4077	$5889 \cdot 2^{1210238} + 1$	364322	L1741	13	
4078	$2945 \cdot 2^{1210165} + 1$	364300	L3035	13	
4079	$108045 \cdot 2^{1210075} - 1$	364274	L466	12	
4080	$2415 \cdot 2^{1209888} + 1$	364216	L2520	13	
4081	$7827 \cdot 2^{1209792} + 1$	364188	L2327	13	
4082	$1863 \cdot 2^{1209781} + 1$	364184	L1957	13	
4083	$9935 \cdot 2^{1209757} + 1$	364178	L2997	14	
4084	$707 \cdot 2^{1209654} - 1$	364145	L1815	12	
4085	$1615 \cdot 2^{1209570} + 1$	364121	L1957	13	
4086	$181 \cdot 2^{1209572} + 1$	364120	L2904	11	
4087	$1365 \cdot 2^{1209522} + 1$	364106	L1134	12	
4088	$369 \cdot 2^{1209435} + 1$	364079	L1745	11	
4089	$403 \cdot 2^{1209326} + 1$	364047	L2903	11	
4090	$951 \cdot 2^{1209290} - 1$	364036	L1815	12	
4091	$333 \cdot 2^{1209174} - 1$	364001	L1830	10	
4092	$273 \cdot 2^{1209170} - 1$	363999	L2338	12	
4093	$9935 \cdot 2^{1209103} + 1$	363981	L2080	14	
4094	$5387 \cdot 2^{1209099} + 1$	363979	L3262	13	
4095	$9457 \cdot 2^{1209070} + 1$	363971	L3262	14	
4096	$357868^{65536} + 1$	363969	g266	03	Generalized Fermat
4097	$1687 \cdot 2^{1209028} + 1$	363957	L2520	13	
4098	$5635 \cdot 2^{1208966} + 1$	363939	L3262	13	
4099	$2415 \cdot 2^{1208963} - 1$	363938	L2074	13	

rank	description	digits	who	year	comment
4100	$5871 \cdot 2^{1208961} + 1$	363938	L1741	13	
4101	$1947 \cdot 2^{1208896} + 1$	363918	L3483	13	
4102	$703 \cdot 2^{1208892} + 1$	363916	L2100	11	
4103	$1035 \cdot 2^{1208884} - 1$	363914	L1828	12	
4104	$4295 \cdot 2^{1208815} + 1$	363894	L3725	13	
4105	$1207 \cdot 2^{1208688} + 1$	363855	L3271	13	
4106	$7161 \cdot 2^{1208613} + 1$	363833	L3262	13	
4107	$4773 \cdot 2^{1208576} + 1$	363822	L2901	13	
4108	$8469 \cdot 2^{1208534} + 1$	363809	L3588	14	
4109	$4453 \cdot 2^{1208534} + 1$	363809	L3727	13	
4110	$8943 \cdot 2^{1208405} + 1$	363771	L3262	14	
4111	$1051 \cdot 2^{1208312} + 1$	363742	L2659	11	
4112	$241 \cdot 2^{1208307} - 1$	363740	L2338	12	
4113	$249 \cdot 2^{1208142} + 1$	363690	L1158	11	
4114	$7035 \cdot 2^{1208088} + 1$	363675	L3724	13	
4115	$7785 \cdot 2^{1208037} + 1$	363660	L2322	13	
4116	$2337 \cdot 2^{1208018} + 1$	363654	L3548	13	
4117	$3007 \cdot 2^{1207962} + 1$	363637	L3548	13	
4118	$7001 \cdot 2^{1207849} + 1$	363603	L3246	13	
4119	$6741 \cdot 2^{1207844} + 1$	363602	L2520	13	
4120	$835 \cdot 2^{1207821} - 1$	363594	L1815	12	
4121	$8445 \cdot 2^{1207799} + 1$	363588	L1503	14	
4122	$2173 \cdot 2^{1207728} + 1$	363566	L3548	13	
4123	$5315 \cdot 2^{1207551} + 1$	363513	L2131	13	
4124	$5259 \cdot 2^{1207421} + 1$	363474	L2826	13	
4125	$155 \cdot 2^{1207424} - 1$	363474	L1959	11	
4126	$165 \cdot 2^{1207393} + 1$	363464	L2884	12	
4127	$2245 \cdot 2^{1207338} + 1$	363449	L3548	13	
4128	$209 \cdot 2^{1207276} - 1$	363429	L2338	11	
4129	$8425 \cdot 2^{1207184} + 1$	363403	L3262	14	
4130	$2699 \cdot 2^{1207171} + 1$	363399	L3548	13	
4131	$8967 \cdot 2^{1207111} + 1$	363381	L3262	14	
4132	$6553 \cdot 2^{1207094} + 1$	363376	L3469	13	
4133	$6063 \cdot 2^{1207026} + 1$	363355	L3262	13	
4134	$4137 \cdot 2^{1206972} + 1$	363339	L3199	13	
4135	$2713 \cdot 2^{1206966} + 1$	363337	L2454	13	
4136	$2783 \cdot 2^{1206929} + 1$	363326	L3548	13	
4137	$8757 \cdot 2^{1206864} + 1$	363307	L3588	14	
4138	$154962 \cdot 2^{21} \cdot 154962 - 1$	363297	L3269	12	Generalized Woodall
4139	$2209 \cdot 2^{1206794} + 1$	363285	L3035	13	Generalized Fermat
4140	$6665 \cdot 2^{1206719} + 1$	363263	L3695	13	
4141	$4957 \cdot 2^{1206582} + 1$	363222	L3699	13	
4142	$7361 \cdot 2^{1206579} + 1$	363221	L2705	13	
4143	$183916 \cdot 5^{519597} - 1$	363188	p304	10	
4144	$2579 \cdot 2^{1206467} + 1$	363187	L2700	13	
4145	$1815 \cdot 2^{1206355} + 1$	363153	L2583	13	
4146	$69 \cdot 2^{1206353} + 1$	363151	g246	10	
4147	$235 \cdot 2^{1206136} + 1$	363086	L2516	11	
4148	$973 \cdot 2^{1206088} + 1$	363072	L2085	11	
4149	$1097 \cdot 2^{1206076} - 1$	363069	L1828	12	

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4150	$8977 \cdot 2^{1205958} + 1$	363034	L1741	14	
4151	$1119 \cdot 2^{1205879} - 1$	363009	L1828	12	
4152	$2937 \cdot 2^{1205863} + 1$	363005	L3548	13	
4153	$120585 \cdot 2^{1205851} - 1$	363003	p260	12	Generalized Woodall
4154	$5595 \cdot 2^{1205852} + 1$	363002	L3441	13	
4155	$9795 \cdot 2^{1205806} + 1$	362988	L3262	14	
4156	$4887 \cdot 2^{1205562} + 1$	362915	L3262	13	
4157	$8089 \cdot 2^{1205538} + 1$	362908	L3755	14	
4158	$8999 \cdot 2^{1205533} + 1$	362906	L3262	14	
4159	$5433 \cdot 2^{1205492} + 1$	362893	L2675	13	
4160	$9125 \cdot 2^{1205479} + 1$	362890	L2080	14	
4161	$429 \cdot 2^{1205440} - 1$	362877	L1817	13	
4162	$3015 \cdot 2^{1205331} + 1$	362845	L3548	13	
4163	$3269 \cdot 2^{1205319} + 1$	362841	L3548	13	
4164	$6855 \cdot 2^{1205215} + 1$	362810	L2413	13	
4165	$921 \cdot 2^{1205199} + 1$	362805	L2794	11	
4166	$2359 \cdot 2^{1205170} + 1$	362796	L3702	13	
4167	$2 \cdot 698^{127558} - 1$	362757	L2054	11	
4168	$1541 \cdot 2^{1204893} + 1$	362713	L3500	13	
4169	$1463 \cdot 2^{1204789} + 1$	362681	L3548	13	
4170	$9317 \cdot 2^{1204775} + 1$	362678	L3588	14	
4171	$269 \cdot 2^{1204740} - 1$	362666	L282	10	
4172	$6699 \cdot 2^{1204694} + 1$	362653	L3548	13	
4173	$9933 \cdot 2^{1204658} + 1$	362643	L3743	14	
4174	$7077 \cdot 2^{1204646} + 1$	362639	L3262	13	
4175	$78 \cdot 916^{122431} - 1$	362630	p355	13	
4176	$6981 \cdot 2^{1204555} + 1$	362612	L3500	13	
4177	$4601 \cdot 2^{1204485} + 1$	362590	L3548	13	
4178	$621 \cdot 2^{1204299} + 1$	362533	L2793	11	
4179	$475 \cdot 2^{1204215} - 1$	362508	L1817	13	
4180	$689 \cdot 2^{1204032} - 1$	362453	L1815	12	
4181	$7309 \cdot 2^{1203982} + 1$	362439	L1344	13	
4182	$9545 \cdot 2^{1203981} + 1$	362439	L2080	14	
4183	$2^{1203793} - 2^{601897} + 1$	362378	L192	06	Gaussian Mersenne norm 37
4184	$861 \cdot 2^{1203625} - 1$	362331	L251	11	
4185	$7959 \cdot 2^{1203598} + 1$	362324	L3548	13	
4186	$3045 \cdot 2^{1203486} + 1$	362289	L1745	13	
4187	$1035 \cdot 2^{1203377} - 1$	362256	L1828	12	
4188	$2413 \cdot 2^{1203346} + 1$	362247	L3711	13	
4189	$9349 \cdot 2^{1203278} + 1$	362227	L3262	14	
4190	$7569 \cdot 2^{1203247} + 1$	362218	L3717	13	
4191	$8467 \cdot 2^{1203080} + 1$	362168	L3794	14	
4192	$7255 \cdot 2^{1203032} + 1$	362153	L1130	13	
4193	$7557 \cdot 2^{1202959} + 1$	362131	L2322	13	
4194	$1661 \cdot 2^{1202885} + 1$	362108	L3548	13	
4195	$25 \cdot 800^{124713} - 1$	362055	p355	12	
4196	$2691 \cdot 2^{1202613} + 1$	362027	L3548	13	
4197	$945 \cdot 2^{1202538} - 1$	362003	L1815	12	
4198	$8759 \cdot 2^{1202515} + 1$	361998	L2066	14	
4199	$2085 \cdot 2^{1202408} + 1$	361965	L3548	13	

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4200	$3339 \cdot 2^{1202405} + 1$	361964	L3548	13	
4201	$279 \cdot 2^{1202283} - 1$	361926	L2338	12	
4202	$6747 \cdot 2^{1202218} + 1$	361908	L3548	13	
4203	$2277 \cdot 2^{1202003} + 1$	361843	L2322	13	
4204	$2511 \cdot 2^{1201983} + 1$	361837	L3711	13	
4205	$5183 \cdot 2^{1201889} + 1$	361809	L3721	13	
4206	$5453 \cdot 2^{1201853} + 1$	361798	L3548	13	
4207	$537 \cdot 2^{1201791} + 1$	361778	L2702	11	
4208	$4685 \cdot 2^{1201757} + 1$	361769	L3548	13	
4209	$5385 \cdot 2^{1201653} + 1$	361738	L1186	13	
4210	$927 \cdot 2^{1201644} - 1$	361734	L1815	12	
4211	$4303 \cdot 2^{1201548} + 1$	361706	L3548	13	
4212	$1605 \cdot 2^{1201511} + 1$	361695	L3548	13	
4213	$4193 \cdot 2^{1201461} + 1$	361680	L3435	13	
4214	$4875 \cdot 2^{1201242} + 1$	361614	L1745	13	
4215	$2707 \cdot 2^{1201192} + 1$	361599	L3548	13	
4216	$1107 \cdot 2^{1201166} - 1$	361591	L1828	12	
4217	$8277 \cdot 2^{1201070} + 1$	361563	L3262	14	
4218	$3 \cdot 2^{1201046} - 1$	361552	L77	04	
4219	$8787 \cdot 2^{1201011} + 1$	361545	L3262	14	
4220	$1323 \cdot 2^{1200980} - 1$	361535	L1828	12	
4221	$545 \cdot 2^{1200769} + 1$	361471	L1934	11	
4222	$6185 \cdot 2^{1200633} + 1$	361431	L3548	13	
4223	$469 \cdot 2^{1200635} - 1$	361430	L1817	13	
4224	$863 \cdot 2^{1200565} + 1$	361410	L1533	11	
4225	$1881 \cdot 2^{1200532} + 1$	361400	L3262	13	
4226	$9179 \cdot 2^{1200499} + 1$	361391	L3297	14	
4227	$3909 \cdot 2^{1200477} + 1$	361384	L1132	13	
4228	$8189 \cdot 2^{1200409} + 1$	361364	L3262	14	
4229	$7807 \cdot 2^{1200404} + 1$	361362	L3548	13	
4230	$6 \cdot 272^{148426} - 1$	361355	L1471	11	
4231	$699 \cdot 2^{1200343} + 1$	361343	L1303	11	
4232	$1467 \cdot 2^{1200198} + 1$	361299	L3548	13	
4233	$6591 \cdot 2^{1200128} + 1$	361279	L3262	13	
4234	$8635 \cdot 2^{1200118} + 1$	361276	L3262	14	
4235	$6413 \cdot 2^{1200117} + 1$	361276	L3548	13	
4236	$8019 \cdot 2^{1199942} + 1$	361223	L1158	13	
4237	$183500 \cdot 93^{183500} + 1$	361222	g157	12	Generalized Cullen
4238	$502541 \cdot 2^{1199930} - 1$	361221	L93	04	
4239	$2169 \cdot 2^{1199897} + 1$	361209	L2520	13	
4240	$1153 \cdot 2^{1199835} - 1$	361190	L1828	12	
4241	$5565 \cdot 2^{1199745} + 1$	361163	L3548	13	
4242	$155 \cdot 2^{1199689} + 1$	361145	L1751	11	
4243	$3651 \cdot 2^{1199635} + 1$	361130	L3262	13	
4244	$2317 \cdot 2^{1199620} + 1$	361125	L3548	13	
4245	$3073 \cdot 2^{1199602} + 1$	361120	L3548	13	
4246	$5145 \cdot 2^{1199509} + 1$	361092	L3049	13	
4247	$2611 \cdot 2^{1199467} - 1$	361079	L2708	11	
4248	$3895 \cdot 2^{1199424} + 1$	361067	L3548	13	
4249	$4179 \cdot 2^{1199409} - 1$	361062	L1959	13	

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4250	$9853 \cdot 2^{1199286} + 1$	361026	L3699	13	
4251	$6855 \cdot 2^{1199276} + 1$	361022	L3698	13	
4252	$4885 \cdot 2^{1199260} + 1$	361017	L3700	13	
4253	$2707 \cdot 2^{1199212} + 1$	361003	L1957	13	
4254	$9275 \cdot 2^{1199179} + 1$	360993	L3548	13	
4255	$4021 \cdot 2^{1199103} - 1$	360970	L1959	13	
4256	$3565 \cdot 2^{1199092} + 1$	360967	L3362	13	
4257	$3703 \cdot 2^{1199010} + 1$	360942	L1741	13	
4258	$2363 \cdot 2^{1198977} + 1$	360932	L1130	13	
4259	$7723 \cdot 2^{1198934} + 1$	360919	L3262	13	
4260	$943 \cdot 2^{1198931} - 1$	360918	L1815	12	
4261	$7143 \cdot 2^{1198797} + 1$	360878	L3548	13	
4262	$1221 \cdot 2^{1198713} + 1$	360852	L3696	13	
4263	$2199 \cdot 2^{1198573} + 1$	360810	L3526	13	
4264	$1011 \cdot 2^{1198498} - 1$	360787	L1828	12	
4265	$8459 \cdot 2^{1198481} + 1$	360783	L3699	13	
4266	$6759 \cdot 2^{1198450} + 1$	360774	L3035	13	
4267	$3599 \cdot 2^{1198443} + 1$	360771	L1741	13	
4268	$587 \cdot 2^{1198111} + 1$	360671	L2620	11	
4269	$5029 \cdot 2^{1197990} + 1$	360635	L2413	13	
4270	$4175 \cdot 2^{1197888} - 1$	360604	L1959	13	
4271	$8601 \cdot 2^{1197844} + 1$	360591	L2659	13	
4272	$8649 \cdot 2^{1197743} + 1$	360561	L1492	13	
4273	$4451 \cdot 2^{1197727} + 1$	360556	L1741	13	
4274	$5707 \cdot 2^{1197636} + 1$	360529	L1204	13	
4275	$6411 \cdot 2^{1197487} + 1$	360484	L3609	13	
4276	$2697 \cdot 2^{1197452} + 1$	360473	L3705	13	
4277	$4551 \cdot 2^{1197356} + 1$	360444	L3294	13	
4278	$6175 \cdot 2^{1197272} + 1$	360419	L3696	13	
4279	$9999992 \cdot 10^{360403} - 1$	360410	L1958	11	Near-repdigit
4280	$8939 \cdot 2^{1197185} + 1$	360393	L2981	13	
4281	$34693 \cdot 2^{1197131} - 1$	360377	L2055	11	
4282	$10^{360360} - 10^{183037} - 1$	360360	p374	14	Near-repdigit
4283	$83 \cdot 706^{126486} - 1$	360336	L1471	11	
4284	$9867 \cdot 2^{1196984} + 1$	360333	L1204	13	
4285	$3201 \cdot 2^{1196967} + 1$	360327	L3695	13	
4286	$1027 \cdot 2^{1196957} - 1$	360323	L1828	12	
4287	$7737 \cdot 2^{1196900} + 1$	360307	L3317	13	
4288	$1335 \cdot 2^{1196731} - 1$	360256	L1828	12	
4289	$1029 \cdot 2^{1196674} + 1$	360238	L1408	11	
4290	$4827 \cdot 2^{1196655} + 1$	360233	L2520	13	
4291	$1549 \cdot 2^{1196654} + 1$	360232	L3693	13	
4292	$163 \cdot 2^{1196434} + 1$	360165	L1751	11	
4293	$1019 \cdot 2^{1196379} + 1$	360149	L1513	11	
4294	$4809 \cdot 2^{1196371} + 1$	360148	L3548	13	
4295	$7377 \cdot 2^{1196227} + 1$	360105	L3548	13	
4296	$53542 \cdot 5^{515155} - 1$	360083	p305	10	
4297	$9711 \cdot 2^{1196141} + 1$	360079	L3294	13	
4298	$5335 \cdot 2^{1196128} + 1$	360075	L1158	13	
4299	$7905 \cdot 2^{1196099} + 1$	360066	L1158	13	

rank	description	digits	who	year	comment
4300	$2767 \cdot 2^{1196080} + 1$	360060	L3372	13	
4301	$7107 \cdot 2^{1195843} + 1$	359989	L1204	13	
4302	$843 \cdot 2^{1195408} - 1$	359857	L1815	12	
4303	$9753 \cdot 2^{1195376} + 1$	359849	L2675	13	
4304	$2501 \cdot 2^{1195309} + 1$	359828	L3117	13	
4305	$153222 \cdot 2^{153222} - 1$	359818	L2777	12	Generalized Woodall
4306	$1195203 \cdot 2^{1195203} - 1$	359799	L124	05	Woodall
4307	$9123 \cdot 2^{1195132} + 1$	359775	L3548	13	
4308	$4005 \cdot 2^{1195016} + 1$	359740	L3675	13	
4309	$7095 \cdot 2^{1194811} + 1$	359678	L3548	13	
4310	$8889 \cdot 2^{1194721} + 1$	359651	L2603	13	
4311	$3591 \cdot 2^{1194692} + 1$	359642	L3141	13	
4312	$142223 \cdot 2^{1194492} - 1$	359584	L3169	12	
4313	$3827 \cdot 2^{1194495} + 1$	359583	L3548	13	
4314	$1355 \cdot 2^{1194487} + 1$	359580	L3685	13	
4315	$6279 \cdot 2^{1194351} + 1$	359540	L3548	13	
4316	$2615 \cdot 2^{1194279} + 1$	359518	L3405	13	
4317	$193558 \cdot 7^{193558} - 1$	359507	p357	13	Generalized Woodall
4318	$1765 \cdot 2^{1194186} + 1$	359490	L2735	13	
4319	$7573 \cdot 2^{1194172} + 1$	359486	L1158	13	
4320	$5 \cdot 2^{1194164} - 1$	359480	L478	08	
4321	$2349 \cdot 2^{1194134} + 1$	359474	L1204	13	
4322	$2759 \cdot 2^{1194071} + 1$	359455	L1158	13	
4323	$1075 \cdot 2^{1194063} - 1$	359452	L1828	12	
4324	$1767 \cdot 2^{1194030} + 1$	359443	L3173	13	
4325	$9399 \cdot 2^{1193977} + 1$	359427	L3548	13	
4326	$5623 \cdot 2^{1193892} + 1$	359402	L3616	13	
4327	$4895 \cdot 2^{1193889} + 1$	359401	L2675	13	
4328	$873 \cdot 2^{1193802} - 1$	359374	L1815	12	
4329	$93 \cdot 10^{359354} - 1$	359356	L3735	13	Near-repdigit
4330	$1275 \cdot 2^{1193685} + 1$	359339	L3262	13	
4331	$3697 \cdot 2^{1193564} + 1$	359303	L2826	13	
4332	$3639 \cdot 2^{1193363} + 1$	359242	L3548	13	
4333	$6225 \cdot 2^{1193341} + 1$	359236	L1344	13	
4334	$5685 \cdot 2^{1193328} + 1$	359232	L1204	13	
4335	$3465 \cdot 2^{1193309} + 1$	359226	L2859	13	
4336	$8993 \cdot 2^{1193265} + 1$	359213	L3548	13	
4337	$1165 \cdot 2^{1193202} + 1$	359193	L2540	11	
4338	$6279 \cdot 2^{1193130} + 1$	359172	L1158	13	
4339	$2273 \cdot 2^{1193085} + 1$	359158	L2447	13	
4340	$105 \cdot 2^{1193072} - 1$	359153	L384	09	
4341	$83 \cdot 2^{1192950} - 1$	359116	L1884	10	
4342	$8 \cdot 20^{155771} - 1$	359108	p258	10	
4343	$103 \cdot 2^{1192775} - 1$	359064	L2484	12	
4344	$4971 \cdot 2^{1192644} + 1$	359026	L3117	13	
4345	$4087 \cdot 2^{1192432} + 1$	358962	L3131	13	
4346	$7911 \cdot 2^{1192348} + 1$	358937	L3548	13	
4347	$799 \cdot 2^{1192254} + 1$	358908	L2749	11	
4348	$3813 \cdot 2^{1192174} + 1$	358884	L2719	13	
4349	$7835 \cdot 2^{1192099} + 1$	358862	L3035	13	



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4350	$507 \cdot 2^{1192088} - 1$	358857	L1817	13	
4351	$6659 \cdot 2^{1191887} + 1$	358798	L3141	13	
4352	$4349 \cdot 2^{1191867} + 1$	358792	L3656	13	
4353	$4227 \cdot 2^{1191860} + 1$	358790	L2626	13	
4354	$3997 \cdot 2^{1191746} + 1$	358755	L3678	13	
4355	$2789 \cdot 2^{1191707} + 1$	358743	L1158	13	
4356	$3935 \cdot 2^{1191635} + 1$	358722	L3173	13	
4357	$4249 \cdot 2^{1191530} + 1$	358690	L3548	13	
4358	$3547 \cdot 2^{1191504} + 1$	358682	L1158	13	
4359	$7989 \cdot 2^{1191405} + 1$	358653	L3676	13	
4360	$8565 \cdot 2^{1191230} + 1$	358600	L1158	13	
4361	$1469 \cdot 2^{1191221} + 1$	358597	L1792	13	
4362	$4133 \cdot 2^{1191148} - 1$	358575	L1959	13	
4363	$825 \cdot 2^{1191114} - 1$	358564	L1815	12	
4364	$1515 \cdot 2^{1191090} + 1$	358557	L3141	13	
4365	$7307 \cdot 2^{1190911} + 1$	358504	L3675	13	
4366	$8673 \cdot 2^{1190894} + 1$	358499	L2107	13	
4367	$285 \cdot 2^{1190854} - 1$	358486	L2338	12	
4368	$4341 \cdot 2^{1190849} + 1$	358485	L3548	13	
4369	$9675 \cdot 2^{1190784} + 1$	358466	L2520	13	
4370	$6035 \cdot 2^{1190759} + 1$	358458	L3548	13	
4371	$5527 \cdot 2^{1190718} + 1$	358446	L3548	13	
4372	$519 \cdot 2^{1190660} - 1$	358428	L1817	13	
4373	$3159 \cdot 2^{1190565} + 1$	358400	L3548	13	
4374	$6419 \cdot 2^{1190541} + 1$	358393	L3548	13	
4375	$478253!_7 + 1$	358376	p3	11	Multifactorial
4376	$5817 \cdot 2^{1190371} + 1$	358342	L3548	13	
4377	$1751 \cdot 2^{1190227} + 1$	358298	L3548	13	
4378	$6027 \cdot 2^{1190132} + 1$	358270	L3548	13	
4379	$2585 \cdot 2^{1190117} + 1$	358265	L3262	13	
4380	$8841 \cdot 2^{1190048} + 1$	358245	L3548	13	
4381	$4709 \cdot 2^{1190047} + 1$	358244	L3548	13	
4382	$2827 \cdot 2^{1190026} + 1$	358237	L3548	13	
4383	$292550^{65536} + 1$	358233	GC2	02	Generalized Fermat
4384	$5865 \cdot 2^{1189894} - 1$	358198	L2338	13	
4385	$443 \cdot 2^{1189865} + 1$	358188	L2735	11	
4386	$633 \cdot 2^{1189809} + 1$	358171	L2085	11	
4387	$291726^{65536} + 1$	358153	GC2	02	Generalized Fermat
4388	$3333 \cdot 2^{1189552} + 1$	358095	L3548	13	
4389	$5445 \cdot 2^{1189501} - 1$	358080	L2338	13	
4390	$8763 \cdot 2^{1189310} + 1$	358022	L2322	13	
4391	$6193 \cdot 2^{1189212} + 1$	357993	L3548	13	
4392	$1385 \cdot 2^{1189055} + 1$	357945	L1158	13	
4393	$4209 \cdot 2^{1189039} + 1$	357941	L3548	13	
4394	$9507 \cdot 2^{1188980} + 1$	357923	L1530	13	
4395	$4311 \cdot 2^{1188865} + 1$	357888	L3548	13	
4396	$2079 \cdot 2^{1188790} + 1$	357865	L3548	13	
4397	$7155 \cdot 2^{1188689} + 1$	357835	L1158	13	
4398	$8623 \cdot 2^{1188512} + 1$	357782	L3672	13	
4399	$7573 \cdot 2^{1188452} + 1$	357764	L2549	13	

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4400	$2501 \cdot 2^{1188391} + 1$	357745	L3262	13	
4401	$1365 \cdot 2^{1188377} + 1$	357741	L1134	12	
4402	$7169 \cdot 2^{1188285} + 1$	357714	L1204	13	
4403	$7041 \cdot 2^{1188277} + 1$	357711	L1761	13	
4404	$1957 \cdot 2^{1188096} + 1$	357656	L1741	13	
4405	$5015 \cdot 2^{1188077} + 1$	357651	L3548	13	
4406	$5433 \cdot 2^{1188064} + 1$	357647	L3548	13	
4407	$3865 \cdot 2^{1188054} + 1$	357644	L3262	13	
4408	$9285 \cdot 2^{1187900} + 1$	357598	L1957	13	
4409	$1683 \cdot 2^{1187897} + 1$	357596	L3548	13	
4410	$6825 \cdot 2^{1187855} + 1$	357584	L3548	13	
4411	$3595 \cdot 2^{1187792} + 1$	357565	L3271	13	
4412	$1943 \cdot 2^{1187769} + 1$	357558	L3548	13	
4413	$9751 \cdot 2^{1187603} - 1$	357509	L2338	13	
4414	$4133 \cdot 2^{1187560} - 1$	357495	L1959	13	
4415	$2751 \cdot 2^{1187481} + 1$	357471	L3548	13	
4416	$249 \cdot 2^{1187471} + 1$	357467	L2706	11	
4417	$4627 \cdot 2^{1187440} + 1$	357459	L1524	13	
4418	$3077 \cdot 2^{1187371} + 1$	357438	L3262	13	
4419	$9705 \cdot 2^{1187300} + 1$	357417	L1741	13	
4420	$4025 \cdot 2^{1187135} + 1$	357367	L3548	13	
4421	$5679 \cdot 2^{1187093} + 1$	357355	L3262	13	
4422	$5157 \cdot 2^{1187071} + 1$	357348	L2520	13	
4423	$181 \cdot 2^{1186763} - 1$	357254	L2074	11	
4424	$8799 \cdot 2^{1186641} + 1$	357219	L2826	13	
4425	$389 \cdot 2^{1186577} + 1$	357198	L2859	11	
4426	$8253 \cdot 2^{1186570} + 1$	357198	L3672	13	
4427	$8257 \cdot 2^{1186462} + 1$	357165	L1957	13	
4428	$4047 \cdot 2^{1186391} + 1$	357143	L2520	13	
4429	$9569 \cdot 2^{1186241} + 1$	357099	L1158	13	
4430	$789 \cdot 2^{1186225} - 1$	357093	L1815	12	
4431	$8103 \cdot 2^{1186145} + 1$	357070	L3262	13	
4432	$9125 \cdot 2^{1186051} + 1$	357041	L3673	13	
4433	$1965 \cdot 2^{1185987} + 1$	357021	L3548	13	
4434	$6751 \cdot 2^{1185888} + 1$	356992	L3548	13	
4435	$2751 \cdot 2^{1185719} + 1$	356941	L3548	13	
4436	$5471 \cdot 2^{1185669} + 1$	356926	L3262	13	
4437	$8329 \cdot 2^{1185626} + 1$	356913	L2626	13	
4438	$8859 \cdot 2^{1185414} + 1$	356850	L2837	13	
4439	$1153 \cdot 2^{1185339} - 1$	356826	L1828	12	
4440	$545 \cdot 2^{1185295} + 1$	356813	L2724	11	
4441	$2985 \cdot 2^{1185243} - 1$	356798	L1959	13	
4442	$1733 \cdot 2^{1185141} + 1$	356767	L3548	13	
4443	$71009 \cdot 2^{1185112} - 1$	356760	L47	04	
4444	$6639 \cdot 2^{1185078} + 1$	356748	L3548	13	
4445	$9379 \cdot 2^{1185070} + 1$	356746	L3487	13	
4446	$8341 \cdot 2^{1185068} + 1$	356745	L1158	13	
4447	$2043 \cdot 2^{1185062} - 1$	356743	L840	13	
4448	$1077 \cdot 2^{1184936} + 1$	356705	L2792	11	
4449	$5681 \cdot 2^{1184867} + 1$	356685	L3262	13	

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4450	$7289 \cdot 2^{1184837} + 1$	356676	L3035	13	
4451	$2179 \cdot 2^{1184826} + 1$	356672	L3548	13	
4452	$7147 \cdot 2^{1184808} + 1$	356667	L3173	13	
4453	$5349 \cdot 2^{1184670} + 1$	356625	L3548	13	
4454	$9473 \cdot 2^{1184621} + 1$	356611	L1158	13	
4455	$5127 \cdot 2^{1184594} + 1$	356603	L3262	13	
4456	$8007 \cdot 2^{1184518} + 1$	356580	L3671	13	
4457	$3911 \cdot 2^{1184499} + 1$	356574	L3548	13	
4458	$4607 \cdot 2^{1184495} + 1$	356573	L3548	13	
4459	$655 \cdot 2^{1184445} - 1$	356557	L1817	12	
4460	$9093 \cdot 2^{1184434} + 1$	356555	L1354	13	
4461	$9485 \cdot 2^{1184433} + 1$	356554	L3668	13	
4462	$1049 \cdot 2^{1184377} + 1$	356537	L2791	11	
4463	$948 \cdot 112^{173968} - 1$	356502	L1471	12	
4464	$6627 \cdot 2^{1184226} + 1$	356492	L3548	13	
4465	$78959 \cdot 6^{458114} - 1$	356487	p256	09	
4466	$435 \cdot 2^{1183997} + 1$	356422	L2861	11	
4467	$2261 \cdot 2^{1183767} + 1$	356353	L2163	13	
4468	$4713 \cdot 2^{1183713} + 1$	356337	L3664	13	
4469	$1869 \cdot 2^{1183653} + 1$	356319	L3548	13	
4470	$4251 \cdot 2^{1183517} + 1$	356278	L3663	13	
4471	$5583 \cdot 2^{1183224} + 1$	356190	L3548	13	
4472	$201 \cdot 2^{1183137} - 1$	356163	L282	10	
4473	$78 \cdot 916^{120247} - 1$	356161	p355	13	
4474	$3065 \cdot 2^{1183121} + 1$	356159	L2494	13	
4475	$4413 \cdot 2^{1183017} + 1$	356128	L3679	13	
4476	$8745 \cdot 2^{1182856} + 1$	356080	L2823	13	
4477	$8175 \cdot 2^{1182758} + 1$	356050	L3035	13	
4478	$6869 \cdot 2^{1182713} + 1$	356036	L3662	13	
4479	$4393 \cdot 2^{1182674} + 1$	356024	L3548	13	
4480	$4781 \cdot 2^{1182667} + 1$	356022	L3548	13	
4481	$4957 \cdot 2^{1182584} + 1$	355997	L3548	13	
4482	$1457 \cdot 2^{1182563} + 1$	355991	L3548	13	
4483	$4025 \cdot 2^{1182516} - 1$	355977	L1959	13	
4484	$481 \cdot 2^{1182519} - 1$	355977	L1817	13	
4485	$7145 \cdot 2^{1182427} + 1$	355950	L3548	13	
4486	$7179 \cdot 2^{1182373} + 1$	355934	L1885	13	
4487	$8863 \cdot 2^{1182270} + 1$	355903	L3548	13	
4488	$983 \cdot 2^{1182272} - 1$	355903	L1816	12	
4489	$2373 \cdot 2^{1182226} + 1$	355889	L1741	13	
4490	$5271 \cdot 2^{1182129} + 1$	355861	L3548	13	
4491	$5827 \cdot 2^{1182114} + 1$	355856	L3660	13	
4492	$21 \cdot 2^{1182083} - 1$	355844	L323	09	
4493	$7857 \cdot 2^{1182012} + 1$	355825	L3548	13	
4494	$9963 \cdot 2^{1181933} + 1$	355802	L2719	13	
4495	$5109 \cdot 2^{1181890} + 1$	355789	L3548	13	
4496	$3015 \cdot 2^{1181778} + 1$	355755	L3548	13	
4497	$7273 \cdot 2^{1181522} + 1$	355678	L3548	13	
4498	$1123 \cdot 2^{1181503} - 1$	355671	L1828	12	
4499	$8019 \cdot 2^{1181455} + 1$	355658	L2413	13	

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4500	$57 \cdot 2^{1181438} + 1$	355651	L1446	10	
4501	$2497 \cdot 2^{1181368} + 1$	355631	L3262	13	
4502	$8763 \cdot 2^{1181354} + 1$	355627	L3548	13	
4503	$24161 \cdot 2^{1181162} - 1$	355570	L2055	11	
4504	$6983 \cdot 2^{1181085} + 1$	355546	L3548	13	
4505	$4091 \cdot 2^{1181049} + 1$	355535	L3548	13	
4506	$923 \cdot 2^{1181030} - 1$	355529	L1815	12	
4507	$3727 \cdot 2^{1181024} + 1$	355528	L3548	13	
4508	$1535 \cdot 2^{1181001} + 1$	355520	L3548	13	
4509	$3425 \cdot 2^{1180949} + 1$	355505	L3548	13	
4510	$9473 \cdot 2^{1180925} + 1$	355498	L3656	13	
4511	$4353 \cdot 2^{1180901} + 1$	355491	L3262	13	
4512	$371 \cdot 2^{1180806} - 1$	355461	L1819	13	
4513	$2867 \cdot 2^{1180667} + 1$	355420	L3548	13	
4514	$1683 \cdot 2^{1180586} + 1$	355396	L1158	13	
4515	$4725 \cdot 2^{1180490} + 1$	355367	L3262	13	
4516	$711 \cdot 2^{1180481} + 1$	355364	L2085	11	
4517	$3441 \cdot 2^{1180477} + 1$	355363	L3262	13	
4518	$7181 \cdot 2^{1180471} + 1$	355362	L1741	13	
4519	$5323 \cdot 2^{1180404} + 1$	355341	L1204	13	
4520	$4935 \cdot 2^{1180072} + 1$	355241	L3670	13	
4521	$882 \cdot 10^{355219} - 1$	355222	L1958	13	
4522	$4995 \cdot 2^{1179942} + 1$	355202	L3548	13	
4523	$6309 \cdot 2^{1179738} + 1$	355141	L3548	13	
4524	$3403 \cdot 2^{1179698} + 1$	355129	L1204	13	
4525	$4387 \cdot 2^{1179624} + 1$	355106	L1204	13	
4526	$9595 \cdot 2^{1179544} + 1$	355083	L1502	13	
4527	$765 \cdot 2^{1179540} + 1$	355080	L2714	11	
4528	$677 \cdot 2^{1179464} - 1$	355057	L1815	12	
4529	$1015 \cdot 2^{1179433} - 1$	355048	L1828	12	
4530	$6453 \cdot 2^{1179424} + 1$	355046	L1524	13	
4531	$2605 \cdot 2^{1179408} + 1$	355041	L2322	13	
4532	$3357 \cdot 2^{1179352} + 1$	355024	L2520	13	
4533	$2271 \cdot 2^{1179285} + 1$	355004	L3548	13	
4534	$7015 \cdot 2^{1179244} + 1$	354992	L2823	13	
4535	$813 \cdot 2^{1179185} + 1$	354973	L2085	11	
4536	$9207 \cdot 2^{1179079} + 1$	354943	L3173	13	
4537	$2617 \cdot 2^{1178882} + 1$	354883	L1379	13	
4538	$4495 \cdot 2^{1178820} + 1$	354864	L3405	13	
4539	$5215 \cdot 2^{1178706} + 1$	354830	L2117	13	
4540	$9751 \cdot 2^{1178680} + 1$	354823	L1312	13	
4541	$8637 \cdot 2^{1178663} + 1$	354817	L1204	13	
4542	$6805 \cdot 2^{1178534} + 1$	354778	L3271	13	
4543	$1879 \cdot 2^{1178450} + 1$	354753	L1331	13	
4544	$7473 \cdot 2^{1178390} + 1$	354735	L1957	13	
4545	$921 \cdot 2^{1178279} - 1$	354701	L1815	12	
4546	$8355 \cdot 2^{1178131} + 1$	354657	L3555	13	
4547	$8883 \cdot 2^{1178121} + 1$	354654	L1957	13	
4548	$5419 \cdot 2^{1178090} + 1$	354645	L3657	13	
4549	$225 \cdot 2^{1177945} - 1$	354600	L2074	12	

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4550	$55 \cdot 2^{1177924} + 1$	354593	L669	09	
4551	$2037 \cdot 2^{1177862} + 1$	354576	L3656	13	
4552	$165 \cdot 2^{1177856} + 1$	354573	L1204	11	
4553	$1023 \cdot 2^{1177850} + 1$	354572	L2517	11	
4554	$7665 \cdot 2^{1177814} + 1$	354562	L3262	13	
4555	$3201 \cdot 2^{1177797} + 1$	354556	L3262	13	
4556	$8233 \cdot 2^{1177784} + 1$	354553	L2626	13	
4557	$3377 \cdot 2^{1177751} + 1$	354542	L3262	13	
4558	$3039 \cdot 2^{1177671} + 1$	354518	L3262	13	
4559	$3077 \cdot 2^{1177655} + 1$	354513	L3658	13	
4560	$8957 \cdot 2^{1177651} + 1$	354513	L1204	13	
4561	$1661 \cdot 2^{1177647} + 1$	354511	L3262	13	
4562	$243 \cdot 2^{1177629} + 1$	354505	L165	11	
4563	$435 \cdot 2^{1177574} + 1$	354488	L1371	11	
4564	$2519 \cdot 2^{1177409} + 1$	354439	L3548	13	
4565	$1053 \cdot 2^{1177312} - 1$	354410	L1828	12	
4566	$3639 \cdot 2^{1177283} + 1$	354402	L1158	13	
4567	$821 \cdot 2^{1177285} + 1$	354402	L1344	11	
4568	$255694^{65536} + 1$	354401	g266	02	Generalized Fermat
4569	$1135 \cdot 2^{1177225} - 1$	354384	L1828	12	
4570	$6811 \cdot 2^{1177220} + 1$	354383	L1218	13	
4571	$2127 \cdot 2^{1177082} - 1$	354341	L840	13	
4572	$8211 \cdot 2^{1177017} + 1$	354322	L3262	13	
4573	$3039 \cdot 2^{1176994} + 1$	354314	L2840	13	
4574	$1215 \cdot 2^{1176818} - 1$	354261	L1828	12	
4575	$8005 \cdot 2^{1176814} + 1$	354261	L3548	13	
4576	$1985 \cdot 2^{1176635} + 1$	354206	L1204	13	
4577	$8979 \cdot 2^{1176631} + 1$	354206	L2626	13	
4578	$5370 \cdot 430^{134491} + 1$	354182	p289	14	
4579	$2773 \cdot 2^{1176528} + 1$	354174	L3548	13	
4580	$8817 \cdot 2^{1176515} + 1$	354171	L3548	13	
4581	$4793 \cdot 2^{1176513} + 1$	354170	L3173	13	
4582	$6829 \cdot 2^{1176458} + 1$	354153	L1204	13	
4583	$9045 \cdot 2^{1176321} + 1$	354112	L3262	13	
4584	$591 \cdot 2^{1176188} + 1$	354071	L1595	11	
4585	$3405 \cdot 2^{1176080} + 1$	354039	L2626	13	
4586	$459 \cdot 2^{1176058} + 1$	354032	L2858	11	
4587	$2175 \cdot 2^{1176013} - 1$	354019	L1862	13	
4588	$9591 \cdot 2^{1176009} + 1$	354018	L3514	13	
4589	$8693 \cdot 2^{1175869} + 1$	353976	L3548	13	
4590	$345 \cdot 2^{1175842} - 1$	353967	L536	10	
4591	$6063 \cdot 2^{1175772} + 1$	353947	L3548	13	
4592	$65 \cdot 2^{1175747} + 1$	353937	L1446	10	
4593	$2787 \cdot 2^{1175659} + 1$	353913	L3548	13	
4594	$879 \cdot 2^{1175478} + 1$	353858	L2522	11	
4595	$617 \cdot 2^{1175468} - 1$	353854	L426	07	
4596	$6441 \cdot 2^{1175369} + 1$	353826	L3548	13	
4597	$8603 \cdot 2^{1175237} + 1$	353786	L1158	13	
4598	$2787 \cdot 2^{1175154} + 1$	353761	L3262	13	
4599	$651 \cdot 2^{1175149} + 1$	353758	L1158	11	

rank	description	digits	who	year	comment
4600	$8049 \cdot 2^{1175125} + 1$	353752	L3548	13	
4601	$6257 \cdot 2^{1175075} + 1$	353737	L3548	13	
4602	$3975 \cdot 2^{1175068} + 1$	353735	L1158	13	
4603	$6705 \cdot 2^{1175050} + 1$	353730	L3548	13	
4604	$7437 \cdot 2^{1174856} + 1$	353671	L2327	13	
4605	$1075 \cdot 2^{1174835} - 1$	353664	L1828	12	
4606	$4563 \cdot 2^{1174777} + 1$	353647	L3262	13	
4607	$7745 \cdot 2^{1174761} + 1$	353643	L3548	13	
4608	$555 \cdot 2^{1174603} + 1$	353594	L2543	11	
4609	$7195 \cdot 2^{1174532} + 1$	353574	L3548	13	
4610	$4279 \cdot 2^{1174502} + 1$	353564	L3548	13	
4611	$4175 \cdot 2^{1174450} - 1$	353549	L1959	13	
4612	$945 \cdot 2^{1174442} + 1$	353546	L2540	11	
4613	$891 \cdot 2^{1174318} - 1$	353508	L1815	12	
4614	$4971 \cdot 2^{1174229} + 1$	353482	L3262	13	
4615	$8803 \cdot 2^{1174102} + 1$	353444	L3548	13	
4616	$717 \cdot 2^{1174056} + 1$	353429	L2447	11	
4617	$5279 \cdot 2^{1174047} + 1$	353428	L3548	13	
4618	$1917 \cdot 2^{1173800} + 1$	353353	L3262	13	
4619	$6195 \cdot 2^{1173586} + 1$	353289	L3262	13	
4620	$9519 \cdot 2^{1173547} + 1$	353277	L3262	13	
4621	$6465 \cdot 2^{1173351} + 1$	353218	L3262	13	
4622	$71422 \cdot 151^{162094} + 1$	353204	p365	13	
4623	$8975 \cdot 2^{1173219} + 1$	353179	L1158	13	
4624	$2893 \cdot 2^{1173120} + 1$	353148	L3262	13	
4625	$8895 \cdot 2^{1173061} + 1$	353131	L1933	13	
4626	$2001 \cdot 2^{1172969} - 1$	353103	L3345	14	
4627	$9157 \cdot 2^{1172956} + 1$	353099	L3262	13	
4628	$4491 \cdot 2^{1172925} + 1$	353090	L3262	13	
4629	$6869 \cdot 2^{1172855} + 1$	353069	L3548	13	
4630	$2349 \cdot 2^{1172693} + 1$	353020	L3548	13	
4631	$3903 \cdot 2^{1172658} + 1$	353009	L3548	13	
4632	$5755 \cdot 2^{1172628} + 1$	353000	L3649	13	
4633	$7197 \cdot 2^{1172551} + 1$	352977	L3262	13	
4634	$837 \cdot 2^{1172532} - 1$	352971	L1815	12	
4635	$1695 \cdot 2^{1172501} + 1$	352962	L527	12	
4636	$8225 \cdot 2^{1172403} + 1$	352933	L3548	13	
4637	$3345 \cdot 2^{1172291} + 1$	352899	L3548	13	
4638	$6975 \cdot 2^{1172288} + 1$	352898	L1158	13	
4639	$649 \cdot 2^{1172271} - 1$	352892	L1815	12	
4640	$586085 \cdot 2^{1172172} - 1$	352865	p77	12	
4641	$209 \cdot 2^{1172111} + 1$	352843	L1935	11	
4642	$9291 \cdot 2^{1171943} + 1$	352794	L3548	13	
4643	$709 \cdot 2^{1171934} + 1$	352791	L2748	11	
4644	$1395 \cdot 2^{1171845} + 1$	352764	L3432	13	
4645	$37328 \cdot 5^{504675} + 1$	352758	p284	10	
4646	$5245 \cdot 2^{1171818} + 1$	352757	L3548	13	
4647	$8157 \cdot 2^{1171798} + 1$	352751	L3548	13	
4648	$407 \cdot 2^{1171719} + 1$	352726	L2550	11	
4649	$4453 \cdot 2^{1171702} + 1$	352722	L3548	13	

rank	description	digits	who	year	comment
4650	$1873 \cdot 2^{1171576} + 1$	352683	L3262	13	
4651	$7605 \cdot 2^{1171560} + 1$	352679	L3262	13	
4652	$4953 \cdot 2^{1171416} + 1$	352636	L3262	13	
4653	$4255 \cdot 2^{1171414} + 1$	352635	L3246	13	
4654	$8803 \cdot 2^{1171318} + 1$	352606	L3548	13	
4655	$311 \cdot 2^{1171199} + 1$	352569	L2857	11	
4656	$251 \cdot 2^{1171193} + 1$	352567	L1776	11	
4657	$1191 \cdot 2^{1171121} + 1$	352546	L1223	11	
4658	$2207 \cdot 2^{1171119} + 1$	352546	L3262	13	
4659	$615 \cdot 2^{1171032} - 1$	352519	L1815	12	
4660	$4265 \cdot 2^{1170953} + 1$	352496	L3262	13	
4661	$7671 \cdot 2^{1170935} + 1$	352491	L1741	13	
4662	$1431 \cdot 2^{1170807} + 1$	352452	L3646	13	
4663	$6277 \cdot 2^{1170780} + 1$	352444	L2826	13	
4664	$4273 \cdot 2^{1170750} + 1$	352435	L3548	13	
4665	$5481 \cdot 2^{1170728} + 1$	352428	L3548	13	
4666	$227 \cdot 2^{1170724} - 1$	352426	L268	10	
4667	$9277 \cdot 2^{1170602} + 1$	352391	L3548	13	
4668	$9289 \cdot 2^{1170566} + 1$	352380	L2413	13	
4669	$8955 \cdot 2^{1170531} + 1$	352369	L3262	13	
4670	$4819 \cdot 2^{1170450} + 1$	352345	L1204	13	
4671	$8205 \cdot 2^{1170276} + 1$	352293	L1218	13	
4672	$59 \cdot 2^{1170231} + 1$	352277	L669	09	
4673	$2877 \cdot 2^{1170159} + 1$	352257	L3262	13	
4674	$6083 \cdot 2^{1170157} + 1$	352257	L1204	13	
4675	$4089 \cdot 2^{1170095} + 1$	352238	L3459	13	
4676	$21 \cdot 2^{1170083} - 1$	352232	L503	08	
4677	$2151 \cdot 2^{1170060} + 1$	352227	L3262	13	
4678	$5955 \cdot 2^{1169868} + 1$	352170	L2719	13	
4679	$9701 \cdot 2^{1169833} + 1$	352159	L3548	13	
4680	$3515 \cdot 2^{1169701} + 1$	352119	L2859	13	
4681	$8909 \cdot 2^{1169677} + 1$	352112	L3548	13	
4682	$567 \cdot 2^{1169602} + 1$	352089	L2790	11	
4683	$819 \cdot 2^{1169551} - 1$	352073	L1815	12	
4684	$3039 \cdot 2^{1169354} + 1$	352015	L3548	13	
4685	$6305 \cdot 2^{1169337} + 1$	352010	L1204	13	
4686	$3555 \cdot 2^{1169321} + 1$	352005	L3548	13	
4687	$7961 \cdot 2^{1169309} + 1$	352001	L3262	13	
4688	$231 \cdot 2^{1169250} - 1$	351982	L2338	12	
4689	$631 \cdot 2^{1169088} + 1$	351934	L2742	11	
4690	$8679 \cdot 2^{1169018} + 1$	351914	L3154	13	
4691	$849 \cdot 2^{1169013} - 1$	351911	L1809	12	
4692	$147 \cdot 2^{1168975} + 1$	351899	L1751	11	
4693	$3477 \cdot 2^{1168803} + 1$	351849	L3548	13	
4694	$9839 \cdot 2^{1168783} + 1$	351843	L2100	13	
4695	$783 \cdot 2^{1168583} - 1$	351782	L2257	12	
4696	$3831 \cdot 2^{1168575} + 1$	351780	L1218	13	
4697	$321 \cdot 2^{1168576} + 1$	351779	L1204	11	
4698	$4573 \cdot 2^{1168536} + 1$	351769	L3262	13	
4699	$9239 \cdot 2^{1168459} + 1$	351746	L3260	13	

rank	description	digits	who	year	comment
4700	$4239 \cdot 2^{1168445} + 1$	351741	L3548	13	
4701	$6665 \cdot 2^{1168305} + 1$	351699	L3262	13	
4702	$9399 \cdot 2^{1168249} + 1$	351682	L2520	13	
4703	$1013 \cdot 2^{1168233} + 1$	351677	L2549	11	
4704	$5287 \cdot 2^{1168142} + 1$	351650	L2447	13	
4705	$6535 \cdot 2^{1168060} + 1$	351625	L3548	13	
4706	$4809 \cdot 2^{1168001} + 1$	351608	L2526	13	
4707	$9557 \cdot 2^{1167995} + 1$	351606	L1204	13	
4708	$6411 \cdot 2^{1167868} + 1$	351568	L3548	13	
4709	$3685 \cdot 2^{1167810} + 1$	351550	L3548	13	
4710	$4131 \cdot 2^{1167719} + 1$	351523	L3262	13	
4711	$917 \cdot 2^{1167682} - 1$	351511	L1815	12	
4712	$8271 \cdot 2^{1167596} + 1$	351486	L3548	13	
4713	$5429 \cdot 2^{1167513} + 1$	351461	L3262	13	
4714	$7895 \cdot 2^{1167497} + 1$	351456	L2826	13	
4715	$7121 \cdot 2^{1167461} + 1$	351445	L2520	13	
4716	$883 \cdot 2^{1167442} + 1$	351439	L2745	11	
4717	$2185 \cdot 2^{1167312} + 1$	351400	L3035	13	
4718	$3717 \cdot 2^{1167231} + 1$	351376	L1741	13	
4719	$9787 \cdot 2^{1167156} + 1$	351353	L1761	13	
4720	$4273 \cdot 2^{1167026} + 1$	351314	L3548	13	
4721	$6981 \cdot 2^{1166795} + 1$	351245	L3262	13	
4722	$4167 \cdot 2^{1166770} + 1$	351237	L1204	13	
4723	$3361 \cdot 2^{1166668} + 1$	351206	L2549	13	
4724	$8427 \cdot 2^{1166638} + 1$	351197	L3262	13	
4725	$6795 \cdot 2^{1166560} + 1$	351174	L3548	13	
4726	$517 \cdot 518^{129371} - 1$	351159	p322	13	
4727	$7679 \cdot 2^{1166409} + 1$	351128	L3548	13	
4728	$1985 \cdot 2^{1166339} + 1$	351107	L3548	13	
4729	$8049 \cdot 2^{1166290} + 1$	351093	L3548	13	
4730	$6105 \cdot 2^{1166152} + 1$	351051	L3262	13	
4731	$5555 \cdot 2^{1166055} + 1$	351022	L3262	13	
4732	$7251 \cdot 2^{1166051} + 1$	351021	L3262	13	
4733	$651 \cdot 2^{1166010} - 1$	351007	L1815	12	
4734	$1677 \cdot 2^{1166002} + 1$	351005	L3035	13	
4735	$2611 \cdot 2^{1165907} - 1$	350977	L2708	11	
4736	$2915 \cdot 2^{1165871} + 1$	350966	L3548	13	
4737	$6729 \cdot 2^{1165861} + 1$	350963	L3262	13	
4738	$1235 \cdot 2^{1165858} - 1$	350962	L1828	12	
4739	$689 \cdot 2^{1165785} + 1$	350940	L2741	11	
4740	$582833 \cdot 2^{1165668} - 1$	350907	p77	12	
4741	$3497 \cdot 2^{1165619} + 1$	350890	L3548	13	
4742	$1719 \cdot 2^{1165601} + 1$	350885	L3548	13	
4743	$877 \cdot 2^{1165554} + 1$	350870	L2659	11	
4744	$873 \cdot 2^{1165494} - 1$	350852	L1815	12	
4745	$7669 \cdot 2^{1165478} + 1$	350848	L3548	13	
4746	$2675 \cdot 2^{1165471} + 1$	350846	L1408	13	
4747	$3111 \cdot 2^{1165436} + 1$	350835	L3262	13	
4748	$8139 \cdot 2^{1165417} + 1$	350830	L3548	13	
4749	$271 \cdot 2^{1165420} + 1$	350829	L2593	11	



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4750	$1987 \cdot 2^{1165364} + 1$	350813	L3548	13	
4751	$505 \cdot 2^{1165307} - 1$	350796	L2519	12	
4752	$7893 \cdot 2^{1165228} + 1$	350773	L1204	13	
4753	$2259 \cdot 2^{1165204} - 1$	350765	L840	13	
4754	$1005 \cdot 2^{1165203} - 1$	350765	L1828	12	
4755	$9457 \cdot 2^{1165198} + 1$	350764	L3262	13	
4756	$9239 \cdot 2^{1165111} + 1$	350738	L1741	13	
4757	$4917 \cdot 2^{1164870} + 1$	350665	L3262	13	
4758	$6165 \cdot 2^{1164796} + 1$	350643	L3262	13	
4759	$4257 \cdot 2^{1164727} + 1$	350622	L3262	13	
4760	$27 \cdot 2^{1164664} + 1$	350601	g279	05	
4761	$7473 \cdot 2^{1164561} + 1$	350572	L3035	13	
4762	$8365 \cdot 2^{1164546} + 1$	350568	L1218	13	
4763	$383 \cdot 2^{1164513} + 1$	350556	L2410	11	
4764	$1389 \cdot 2^{1164408} - 1$	350525	L1828	12	
4765	$815 \cdot 2^{1164279} + 1$	350486	L2789	11	
4766	$763 \cdot 2^{1164124} + 1$	350440	L1513	11	
4767	$5401 \cdot 2^{1164112} + 1$	350437	L3548	13	
4768	$7813 \cdot 2^{1163992} + 1$	350401	L2626	13	
4769	$4019 \cdot 2^{1163965} + 1$	350392	L3629	13	
4770	$3463 \cdot 2^{1163908} + 1$	350375	L3262	13	
4771	$875 \cdot 2^{1163883} + 1$	350367	L2085	11	
4772	$4239 \cdot 2^{1163849} + 1$	350358	L3548	13	
4773	$595 \cdot 2^{1163818} + 1$	350347	L1158	11	
4774	$4027 \cdot 2^{1163793} - 1$	350341	L1959	13	
4775	$5331 \cdot 2^{1163732} + 1$	350322	L3548	13	
4776	$2565 \cdot 2^{1163733} + 1$	350322	L2826	13	
4777	$27 \cdot 2^{1163629} - 1$	350289	L503	08	
4778	$611 \cdot 2^{1163621} + 1$	350288	L2740	11	
4779	$3345 \cdot 2^{1163424} - 1$	350230	L2338	13	
4780	$4099 \cdot 2^{1163390} + 1$	350219	L1204	13	
4781	$3455 \cdot 2^{1163359} + 1$	350210	L3262	13	
4782	$9125 \cdot 2^{1163331} + 1$	350202	L3548	13	
4783	$8781 \cdot 2^{1163255} + 1$	350179	L3548	13	
4784	$4067 \cdot 2^{1163251} + 1$	350178	L2520	13	
4785	$7049 \cdot 2^{1163243} + 1$	350175	L3262	13	
4786	$2715 \cdot 2^{1163216} - 1$	350167	L1959	13	
4787	$4761 \cdot 2^{1163093} + 1$	350130	L3262	13	
4788	$2181 \cdot 2^{1163088} + 1$	350128	L3262	13	
4789	$8007 \cdot 2^{1163044} + 1$	350116	L3262	13	
4790	$3945 \cdot 2^{1163009} + 1$	350105	L3548	13	
4791	$9687 \cdot 2^{1162829} - 1$	350051	L2338	13	
4792	$3327 \cdot 2^{1162786} + 1$	350037	L3548	13	
4793	$4101 \cdot 2^{1162745} - 1$	350025	L1959	13	
4794	$165 \cdot 2^{1162671} - 1$	350002	L2101	11	
4795	$1043 \cdot 2^{1162641} + 1$	349993	L2627	11	
4796	$8591 \cdot 2^{1162609} + 1$	349985	L3548	13	
4797	$5085 \cdot 2^{1162586} + 1$	349977	L3262	13	
4798	$2211 \cdot 2^{1162499} - 1$	349951	L840	13	
4799	$315 \cdot 2^{1162371} + 1$	349912	L1204	11	

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4800	$175 \cdot 2^{1162313} - 1$	349894	L1959	11	
4801	$9687 \cdot 2^{1162274} + 1$	349884	L3548	13	
4802	$4493 \cdot 2^{1162237} + 1$	349872	L3548	13	
4803	$6615 \cdot 2^{1162224} + 1$	349869	L1204	13	
4804	$55 \cdot 2^{1162155} - 1$	349846	L545	08	
4805	$3835 \cdot 2^{1162136} + 1$	349842	L3548	13	
4806	$1155 \cdot 2^{1162129} - 1$	349839	L1828	12	
4807	[ Long prime 4807 ]	349822	p360	13	
4808	$3839 \cdot 2^{1162005} + 1$	349802	L3131	13	
4809	$1281 \cdot 2^{1161874} - 1$	349763	L1828	12	
4810	$9403 \cdot 2^{1161830} + 1$	349750	L3548	13	
4811	$3219 \cdot 2^{1161815} + 1$	349745	L3548	13	
4812	$8435 \cdot 2^{1161813} + 1$	349745	L3548	13	
4813	$7077 \cdot 2^{1161787} + 1$	349737	L1129	13	
4814	$8595 \cdot 2^{1161782} + 1$	349736	L2117	13	
4815	$4349 \cdot 2^{1161697} + 1$	349710	L2322	13	
4816	$9033 \cdot 2^{1161620} + 1$	349687	L1741	13	
4817	$4025 \cdot 2^{1161612} - 1$	349684	L1959	13	
4818	$2225 \cdot 2^{1161539} + 1$	349662	L1204	13	
4819	$5077 \cdot 2^{1161500} + 1$	349651	L3548	13	
4820	$9489 \cdot 2^{1161471} + 1$	349642	L3548	13	
4821	$4233 \cdot 2^{1161385} + 1$	349616	L3262	13	
4822	$1965 \cdot 2^{1161352} + 1$	349606	L1940	13	
4823	$339 \cdot 2^{1161347} - 1$	349603	L536	10	
4824	$4689 \cdot 2^{1161271} + 1$	349582	L3262	13	
4825	$9761 \cdot 2^{1161171} + 1$	349552	L1957	13	
4826	$1189 \cdot 2^{1161169} - 1$	349550	L1828	12	
4827	$865 \cdot 2^{1161090} + 1$	349526	L2531	11	
4828	$749 \cdot 2^{1160897} + 1$	349468	L1741	11	
4829	$8069 \cdot 2^{1160823} + 1$	349447	L3548	13	
4830	$8103 \cdot 2^{1160777} + 1$	349433	L3548	13	
4831	$1451 \cdot 2^{1160633} + 1$	349389	L2826	13	
4832	$2077 \cdot 2^{1160548} + 1$	349364	L1842	13	
4833	$9357 \cdot 2^{1160404} + 1$	349321	L3262	13	
4834	$2229 \cdot 2^{1160369} + 1$	349310	L2526	13	
4835	$2027 \cdot 2^{1160143} + 1$	349242	L2659	13	
4836	$1343 \cdot 2^{1160017} + 1$	349204	L1408	13	
4837	$3519 \cdot 2^{1159929} + 1$	349177	L3262	13	
4838	$6959 \cdot 2^{1159909} + 1$	349172	L3548	13	
4839	$5861 \cdot 2^{1159873} + 1$	349161	L3262	13	
4840	$6791 \cdot 2^{1159829} + 1$	349148	L3548	13	
4841	$3935 \cdot 2^{1159743} + 1$	349122	L3548	13	
4842	$7131 \cdot 2^{1159696} + 1$	349108	L3262	13	
4843	$9023 \cdot 2^{1159653} + 1$	349095	L1741	13	
4844	$1023 \cdot 2^{1159630} - 1$	349087	L1828	12	
4845	$9951 \cdot 2^{1159599} + 1$	349079	L2826	13	
4846	$3155 \cdot 2^{1159563} + 1$	349067	L3548	13	
4847	$7927 \cdot 2^{1159482} + 1$	349043	L3262	13	
4848	$2905 \cdot 2^{1159470} + 1$	349039	L3271	13	
4849	$2025 \cdot 2^{1159433} + 1$	349028	L3432	13	

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4850	$2539 \cdot 2^{1159398} + 1$	349017	L2661	13	
4851	$9581 \cdot 2^{1159305} + 1$	348990	L3262	13	
4852	$57 \cdot 2^{1158942} + 1$	348879	L669	10	
4853	$1303 \cdot 2^{1158907} - 1$	348869	L1828	12	
4854	$4329 \cdot 2^{1158837} + 1$	348849	L3548	13	
4855	$8121 \cdot 2^{1158741} + 1$	348820	L3548	13	
4856	$4167 \cdot 2^{1158726} + 1$	348815	L2117	13	
4857	$5337 \cdot 2^{1158620} + 1$	348784	L3262	13	
4858	$7545 \cdot 2^{1158572} + 1$	348769	L1741	13	
4859	$2525 \cdot 2^{1158399} + 1$	348717	L1204	13	
4860	$1299 \cdot 2^{1158330} + 1$	348696	L3548	13	
4861	$8205 \cdot 2^{1158309} + 1$	348690	L3548	13	
4862	$9207 \cdot 2^{1158232} + 1$	348667	L3262	13	
4863	$8505 \cdot 2^{1158192} + 1$	348655	L2520	13	
4864	$247 \cdot 2^{1158186} + 1$	348652	L2352	11	
4865	$6065 \cdot 2^{1157949} + 1$	348582	L3548	13	
4866	$9333 \cdot 2^{1157869} + 1$	348558	L1741	13	
4867	$5865 \cdot 2^{1157728} - 1$	348515	L2338	13	
4868	$301 \cdot 2^{1157561} - 1$	348464	p281	10	
4869	$837 \cdot 2^{1157520} + 1$	348452	L2711	11	
4870	$117 \cdot 2^{1157460} + 1$	348433	L1751	10	
4871	$69109 \cdot 2^{1157446} + 1$	348431	SB4	02	
4872	$113 \cdot 2^{1157413} + 1$	348419	L1751	10	
4873	$147 \cdot 2^{1157300} + 1$	348385	L1751	11	
4874	$1739 \cdot 2^{1157273} + 1$	348378	L3154	13	
4875	$1107 \cdot 2^{1157095} + 1$	348324	L2730	11	
4876	$793 \cdot 2^{1157055} - 1$	348312	L1809	12	
4877	$9505 \cdot 2^{1157048} + 1$	348311	L3548	13	
4878	$6959 \cdot 2^{1156969} + 1$	348287	L3548	13	
4879	$174885 \cdot 98^{174885} + 1$	348241	g157	12	Generalized Cullen
4880	$2061 \cdot 2^{1156802} - 1$	348236	L840	13	
4881	$6375 \cdot 2^{1156792} + 1$	348233	L3548	13	
4882	$4147 \cdot 2^{1156785} - 1$	348231	L1959	13	
4883	$3395 \cdot 2^{1156719} + 1$	348211	L3548	13	
4884	$885 \cdot 2^{1156603} - 1$	348176	L2519	12	
4885	$3515 \cdot 2^{1156535} + 1$	348156	L3548	13	
4886	$8739 \cdot 2^{1156515} + 1$	348150	L2661	13	
4887	$6663 \cdot 2^{1156513} + 1$	348149	L3548	13	
4888	$9423 \cdot 2^{1156126} + 1$	348033	L3483	13	
4889	$9067 \cdot 2^{1156052} + 1$	348011	L3180	13	
4890	$265 \cdot 2^{1155950} + 1$	347979	L1741	11	
4891	$2985 \cdot 2^{1155884} + 1$	347960	L2520	13	
4892	$925 \cdot 2^{1155857} - 1$	347951	L1809	12	
4893	$1905 \cdot 2^{1155815} + 1$	347939	L3548	13	
4894	$255 \cdot 2^{1155630} + 1$	347882	L1158	11	
4895	$7269 \cdot 2^{1155474} + 1$	347837	L3548	13	
4896	$417 \cdot 2^{1155458} - 1$	347831	L1809	12	
4897	$6921 \cdot 2^{1155420} + 1$	347820	L3548	13	
4898	$2295 \cdot 2^{1155336} - 1$	347795	L1959	13	
4899	$9659 \cdot 2^{1155307} + 1$	347787	L3246	13	

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4900	$5505 \cdot 2^{1155282} + 1$	347779	L3262	13	
4901	$2893 \cdot 2^{1155196} + 1$	347753	L2520	13	
4902	$669 \cdot 2^{1155188} - 1$	347750	L1815	12	
4903	$8675 \cdot 2^{1155083} + 1$	347719	L3548	13	
4904	$3957 \cdot 2^{1155020} + 1$	347700	L3548	13	
4905	$9933 \cdot 2^{1154961} + 1$	347682	L3548	13	
4906	$3441 \cdot 2^{1154931} + 1$	347673	L3262	13	
4907	$2291 \cdot 2^{1154799} + 1$	347633	L1204	13	
4908	$497 \cdot 2^{1154735} + 1$	347613	L1935	11	
4909	$152713 \cdot 2^{1154707} - 1$	347607	g23	04	
4910	$83 \cdot 2^{1154617} + 1$	347577	L446	10	Divides $GF(1154616, 3)$
4911	$75 \cdot 2^{1154616} + 1$	347576	L1446	11	
4912	$7575 \cdot 2^{1154559} + 1$	347561	L2322	13	
4913	$3483 \cdot 2^{1154480} + 1$	347537	L3548	13	
4914	$1827 \cdot 2^{1154471} + 1$	347534	L3262	13	
4915	$2793 \cdot 2^{1154261} + 1$	347471	L1331	13	
4916	$1251 \cdot 2^{1154238} - 1$	347464	L1828	12	
4917	$8669 \cdot 2^{1154193} + 1$	347451	L3548	13	
4918	$2129 \cdot 2^{1154173} + 1$	347445	L1524	13	
4919	$571 \cdot 2^{1154111} - 1$	347425	L1809	12	
4920	$5171 \cdot 2^{1153999} + 1$	347393	L3260	13	
4921	$9201 \cdot 2^{1153995} + 1$	347392	L3548	13	
4922	$3559 \cdot 2^{1153970} + 1$	347384	L3035	13	
4923	$14533 \cdot 2^{1153951} - 1$	347379	L2055	11	
4924	$5245 \cdot 2^{1153762} + 1$	347321	L1204	13	Divides $GF(1153761, 12)$
4925	$1485 \cdot 2^{1153738} - 1$	347313	L1134	11	
4926	$8499 \cdot 2^{1153675} + 1$	347295	L3035	13	
4927	$7487 \cdot 2^{1153675} + 1$	347295	L3548	13	
4928	$2925 \cdot 2^{1153672} + 1$	347294	L3262	13	
4929	$851 \cdot 2^{1153586} - 1$	347267	L1815	12	
4930	$3801 \cdot 2^{1153563} + 1$	347261	L3619	13	
4931	$4701 \cdot 2^{1153367} + 1$	347202	L3548	13	
4932	$1023 \cdot 2^{1153248} + 1$	347166	L2521	11	
4933	$3269 \cdot 2^{1153163} + 1$	347141	L3548	13	
4934	$9129 \cdot 2^{1153139} + 1$	347134	L3260	13	
4935	$5169 \cdot 2^{1153134} + 1$	347132	L2549	13	
4936	$8605 \cdot 2^{1153052} + 1$	347108	L3415	13	
4937	$3035 \cdot 2^{1152983} + 1$	347086	L3548	13	
4938	$813 \cdot 2^{1152824} + 1$	347038	L2737	11	
4939	$29 \cdot 2^{1152765} + 1$	347019	g300	05	Divides $GF(1152760, 10)$
4940	$2189 \cdot 2^{1152739} + 1$	347013	L2549	13	
4941	$105 \cdot 2^{1152715} + 1$	347004	L1446	11	
4942	$6349 \cdot 2^{1152706} + 1$	347003	L3262	13	
4943	$4223 \cdot 2^{1152657} + 1$	346988	L3548	13	
4944	$8239 \cdot 2^{1152654} + 1$	346988	L3262	13	
4945	$1753 \cdot 2^{1152654} + 1$	346987	L3548	13	
4946	$1407 \cdot 2^{1152631} + 1$	346980	L3262	13	
4947	$3523 \cdot 2^{1152624} + 1$	346978	L3548	13	
4948	$2963 \cdot 2^{1152605} + 1$	346973	L1741	13	
4949	$3883 \cdot 2^{1152570} + 1$	346962	L3548	13	

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4950	$6371 \cdot 2^{1152565} + 1$	346961	L2626	13	
4951	$4225 \cdot 2^{1152520} + 1$	346947	L2888	13	Generalized Fermat
4952	$2679 \cdot 2^{1152381} + 1$	346905	L3277	13	
4953	$6237 \cdot 2^{1152288} + 1$	346878	L3262	13	
4954	$1365 \cdot 2^{1152143} + 1$	346833	L1134	12	
4955	$3413 \cdot 2^{1152109} + 1$	346823	L2413	13	
4956	$3509 \cdot 2^{1152083} + 1$	346816	L3548	13	
4957	$8615 \cdot 2^{1152013} + 1$	346795	L2322	13	
4958	$5019 \cdot 2^{1151979} + 1$	346784	L3645	13	
4959	$9861 \cdot 2^{1151967} + 1$	346781	L3548	13	
4960	$5239 \cdot 2^{1151874} + 1$	346753	L2545	13	
4961	$1089 \cdot 2^{1151702} + 1$	346700	L2733	11	Generalized Fermat
4962	$3669 \cdot 2^{1151550} + 1$	346655	L3548	13	
4963	$3745 \cdot 2^{1151520} + 1$	346646	L3548	13	
4964	$4121 \cdot 2^{1151458} - 1$	346628	L1959	13	
4965	$7107 \cdot 2^{1151427} + 1$	346618	L1204	13	
4966	$9789 \cdot 2^{1151234} + 1$	346560	L3548	13	
4967	$461 \cdot 2^{1150934} - 1$	346469	L1809	12	
4968	$8549 \cdot 2^{1150907} + 1$	346462	L3555	13	
4969	$7183 \cdot 2^{1150730} + 1$	346409	L2735	13	
4970	$7073 \cdot 2^{1150613} + 1$	346373	L3548	13	
4971	$9331 \cdot 2^{1150608} + 1$	346372	L2918	13	
4972	$8323 \cdot 2^{1150580} + 1$	346364	L3262	13	
4973	$9927 \cdot 2^{1150566} + 1$	346359	L3594	13	
4974	$755 \cdot 2^{1150559} + 1$	346356	L2736	11	
4975	$8823 \cdot 2^{1150548} + 1$	346354	L3173	13	
4976	$4155 \cdot 2^{1150482} - 1$	346334	L1959	13	
4977	$6007 \cdot 2^{1150372} + 1$	346301	L3548	13	
4978	$1199 \cdot 2^{1150327} + 1$	346287	L2532	11	
4979	$8333 \cdot 2^{1150301} + 1$	346280	L3035	13	
4980	$4245 \cdot 2^{1150238} + 1$	346260	L1204	13	
4981	$8201 \cdot 2^{1150143} + 1$	346232	L3262	13	
4982	$1097 \cdot 2^{1150123} + 1$	346225	L2734	11	
4983	$7271 \cdot 2^{1150093} + 1$	346217	L3548	13	
4984	$499 \cdot 2^{1150034} + 1$	346198	L1935	11	
4985	$4855 \cdot 2^{1150016} + 1$	346193	L3548	13	
4986	$939 \cdot 2^{1149940} - 1$	346170	L1809	12	
4987	$5891 \cdot 2^{1149793} + 1$	346126	L3548	13	
4988	$7483 \cdot 2^{1149764} + 1$	346118	L3548	13	
4989	$6959 \cdot 2^{1149753} + 1$	346114	L3262	13	
4990	$2103 \cdot 2^{1149621} + 1$	346074	L3548	13	
4991	$9765 \cdot 2^{1149613} + 1$	346072	L3548	13	
4992	$2515 \cdot 2^{1149556} + 1$	346055	L3548	13	
4993	$3965 \cdot 2^{1149477} + 1$	346031	L2100	13	
4994	$4809 \cdot 2^{1149273} + 1$	345970	L3262	13	
4995	$963 \cdot 2^{1149272} - 1$	345969	L1809	12	
4996	$9435 \cdot 2^{1149199} + 1$	345948	L2107	13	
4997	$6771 \cdot 2^{1149099} + 1$	345918	L3548	13	
4998	$6357 \cdot 2^{1149087} + 1$	345914	L1204	13	
4999	$2211 \cdot 2^{1149075} - 1$	345910	L3519	13	

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5000	$189590^{65536} + 1$	345887	g262	02	Generalized Fermat
5095	$101 \cdot 2^{1142981} + 1$	344074	L1446	11	Divides $GF(1142980, 3)$
5235	$113756 \cdot 10^{341268} - 1$	341274	L3532	13	Generalized Woodall
5241	$2 \cdot 263^{140989} + 1$	341188	g424	11	Divides $Phi(263^{140989}, 2)$
5276	$33 \cdot 2^{1130884} + 1$	340432	L165	06	Divides $GF(1130881, 12)$
5293	$163 \cdot 2^{1129934} + 1$	340147	L1751	10	Divides $GF(1129933, 10)$
5295	$178192 \cdot 3^{12768} + 1$	340083	L2777	11	Generalized Cullen
5358	$14521 \cdot 6^{435631} + 1$	338991	L2777	12	Generalized Cullen
5381	$2 \cdot 467^{126775} + 1$	338403	g425	11	Divides $Phi(467^{126775}, 2)$
5529	$9999993 \cdot 10^{335905} - 1$	335912	L1958	13	Near-repdigit
5755	$9999993 \cdot 10^{331938} - 1$	331945	L1958	13	Near-repdigit
5803	$2145 \cdot 2^{1099064} + 1$	330855	L1792	13	Divides Fermat $F(1099061)$
6002	$93 \cdot 2^{1087202} + 1$	327283	L669	10	Divides $GF(1087199, 12)$
6424	[ Long prime 6424 ]	320237	p44	14	Palindrome
6429	[ Long prime 6429 ]	320097	p44	14	Palindrome
6444	$6 \cdot 10^{319889} - 1$	319890	p297	10	Near-repdigit
6654	$1491 \cdot 2^{1050764} + 1$	316315	L2826	13	Divides $GF(1050763, 10)$
6744	$10^{314727} - 8 \cdot 10^{157363} - 1$	314727	p235	13	Near-repdigit, palindrome
6900	$992 \cdot 10^{312136} - 1$	312139	p356	13	Near-repdigit
6946	$9539 \cdot 2^{1034437} + 1$	311401	L1502	13	Divides $GF(1034434, 10)$
6966	$549 \cdot 2^{1033187} + 1$	311024	L1224	11	Divides $GF(1033186, 5)$
7273	$151 \cdot 2^{1016600} + 1$	306030	L669	10	Divides $GF(1016599, 5)$
7313	$166585 \cdot 68^{166585} - 1$	305274	p357	13	Generalized Woodall
7336	$139948 \cdot 151^{139948} + 1$	304949	g407	10	Generalized Cullen
7790	$2^{991961} - 2^{495981} + 1$	298611	x28	05	Gaussian Mersenne norm 36
7838	$225 \cdot 2^{988695} + 1$	297630	L1446	10	Divides $GF(988693, 6)$
8176	$6 \cdot 10^{293134} - 1$	293135	p297	10	Near-repdigit
8327	$236418 \cdot 17^{236418} + 1$	290906	g157	12	Generalized Cullen
8367	$10^{290253} - 2 \cdot 10^{145126} - 1$	290253	p235	12	Near-repdigit, Palindrome
8441	$11 \cdot 2^{960901} + 1$	289262	g277	05	Divides Fermat $F(960897)$
8589	$2 \cdot 827^{98511} + 1$	287407	g404	09	Divides $Phi(827^{98511}, 2)$
8755	$143717 \cdot 96^{143717} + 1$	284892	g157	09	Generalized Cullen
9145	$2 \cdot 131^{131925} + 1$	279322	g424	10	Divides $Phi(131^{131925}, 2)$
9279	$873 \cdot 2^{922545} + 1$	277717	L153	10	Divides $GF(922543, 3)$
9382	[ Long prime 9382 ]	276340	x38	14	Generalized unique
9383	[ Long prime 9383 ]	276340	x38	14	Generalized unique
9384	[ Long prime 9384 ]	276337	x38	14	Generalized unique
9385	[ Long prime 9385 ]	276333	x38	14	Generalized unique
9386	[ Long prime 9386 ]	276332	x38	14	Generalized unique
9387	[ Long prime 9387 ]	276331	x38	14	Generalized unique
9388	[ Long prime 9388 ]	276330	x38	14	Generalized unique
9390	[ Long prime 9390 ]	276329	x38	14	Generalized unique
9391	[ Long prime 9391 ]	276328	x38	14	Generalized unique
9392	[ Long prime 9392 ]	276323	x38	14	Generalized unique
9393	[ Long prime 9393 ]	276320	x38	13	Generalized unique
9394	[ Long prime 9394 ]	276320	x38	13	Generalized unique
9395	[ Long prime 9395 ]	276318	x38	13	Generalized unique
9396	[ Long prime 9396 ]	276317	x38	13	Generalized unique
9397	[ Long prime 9397 ]	276316	x38	13	Generalized unique
9399	[ Long prime 9399 ]	276309	x38	13	Generalized unique

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9400	[ Long prime 9400 ]	276291	x38	13	Generalized unique
9435	$113 \cdot 2^{916801} + 1$	275987	L153	09	Divides $GF(916800, 5)$ , $GF(916800, 12)$
9436	$3 \cdot 2^{916773} + 1$	275977	g245	01	Divides $GF(916771, 3)$ , $GF(916772, 10)$
9479	[ Long prime 9479 ]	275495	p44	12	Palindrome
9656	$1705 \cdot 2^{906110} + 1$	272770	L3174	12	Divides Fermat $F(906108)$
9920	$10^{269479} - 7 \cdot 10^{134739} - 1$	269479	p235	12	Near-repdigit, Palindrome
9929	$43 \cdot 2^{894766} + 1$	269354	g279	06	Divides $GF(894765, 5)$
10118	$11 \cdot 2^{886071} + 1$	266735	g277	05	Divides $GF(886070, 12)$
10741	$2^{859433} - 1$	258716	SG	94	Mersenne 33
11019	$Phi(3, -3^{267414} + 1)/3$	255178	x28	05	Generalized unique
11384	$249 \cdot 2^{832207} + 1$	250522	L669	10	Divides $GF(832206, 5)$
11495	$2 \cdot 239^{104781} + 1$	249212	g424	11	Divides $Phi(239^{104781}, 2)$
11607	$1815 \cdot 2^{823632} + 1$	247942	L1741	12	Divides $GF(823629, 12)$
11813	$459 \cdot 2^{816031} + 1$	245653	L1498	11	Divides $GF(816030, 5)$
12129	$7 \cdot 2^{804534} + 1$	242190	g196	03	Divides $GF(804533, 12)$
12528	$5215 \cdot 2^{789906} + 1$	237790	L2659	12	Divides $GF(789905, 6)$
13419	$2^{756839} - 1$	227832	SG	92	Mersenne 32
14051	[ Long prime 14051 ]	221071	x34	08	Generalized unique
14257	$59 \cdot 2^{727815} + 1$	219096	p227	08	Divides $GF(727814, 12)$
14328	$2 \cdot 83^{113849} + 1$	218486	g424	10	Divides $Phi(83^{113849}, 2)$
15455	[ Long prime 15455 ]	208559	p44	14	Palindrome
15456	[ Long prime 15456 ]	208553	p44	14	Palindrome
15463	[ Long prime 15463 ]	208515	p44	14	Palindrome
15582	$2 \cdot 683^{73237} + 1$	207585	g404	08	Divides $Phi(683^{73237}, 2)$
15708	[ Long prime 15708 ]	206579	p44	14	Palindrome
15710	[ Long prime 15710 ]	206565	p44	14	Palindrome
15737	[ Long prime 15737 ]	206365	x29	14	Palindrome
15739	[ Long prime 15739 ]	206349	p44	14	Palindrome
15743	[ Long prime 15743 ]	206267	p44	14	Palindrome
15744	[ Long prime 15744 ]	206263	p44	14	Palindrome
15746	[ Long prime 15746 ]	206249	p44	14	Palindrome
15760	[ Long prime 15760 ]	206157	p44	14	Palindrome
15772	[ Long prime 15772 ]	206085	p44	14	Palindrome
15773	[ Long prime 15773 ]	206085	p44	13	Palindrome
15775	$13 \cdot 2^{684560} + 1$	206075	g267	03	Divides $GF(684557, 10)$ , $GF(684559, 6)$
15779	[ Long prime 15779 ]	206057	p44	14	Palindrome
16231	$27 \cdot 2^{672007} + 1$	202296	g279	05	Divides Fermat $F(672005)$
16430	$667071 \cdot 2^{667071} - 1$	200815	g55	00	Woodall
16453	$18543637900515 \cdot 2^{666668} - 1$	200701	L2429	12	Sophie Germain ( $2p + 1$ )
16454	$9094283341425 \cdot 2^{666669} - 1$	200701	p199	11	Arithmetic progression ( $3, d =$ $32289415560495 \cdot 2^{666666}$ )
16500	$40464851170905 \cdot 2^{666666} - 1$	200701	L1008	11	Arithmetic progression ( $2, d =$ $32289415560495 \cdot 2^{666666}$ ) [p199]
16553	$18543637900515 \cdot 2^{666667} - 1$	200701	L2429	12	Sophie Germain (p)
16554	$3756801695685 \cdot 2^{666669} + 1$	200700	L1921	11	Twin ( $p + 2$ )
16555	$3756801695685 \cdot 2^{666669} - 1$	200700	L1921	11	Twin (p)
16676	$26767338410445 \cdot 2^{666666} - 1$	200700	p199	11	Arithmetic progression ( $3, d =$ $12521740750545 \cdot 2^{666666}$ )

rank	description	digits	who	year	comment
16977	$23716957113345 \cdot 2^{666666} - 1$	200700	p199	11	Arithmetic progression ( $3, d = 2697434638065 \cdot 2^{666668}$ )
17027	$11638738675125 \cdot 2^{666667} - 1$	200700	p199	11	Arithmetic progression ( $3, d = 9571322415225 \cdot 2^{666666}$ )
17828	$14646182194005 \cdot 2^{666666} - 1$	200700	p199	11	Arithmetic progression ( $3, d = 3388839720735 \cdot 2^{666666}$ )
17870	$3561399414975 \cdot 2^{666668} - 1$	200700	L1661	11	Arithmetic progression ( $2, d = 12521740750545 \cdot 2^{666666}$ ) [p199]
17930	$13706154935025 \cdot 2^{666666} - 1$	200700	L967	11	Arithmetic progression ( $2, d = 9571322415225 \cdot 2^{666666}$ ) [p199]
18030	$12927218561085 \cdot 2^{666666} - 1$	200700	L2078	11	Arithmetic progression ( $2, d = 2697434638065 \cdot 2^{666668}$ ) [p199]
18197	$5628671236635 \cdot 2^{666667} - 1$	200700	L1945	11	Arithmetic progression ( $2, d = 3388839720735 \cdot 2^{666666}$ ) [p199]
18505	$4087717805205 \cdot 2^{666667} - 1$	200700	L1633	10	Arithmetic progression ( $1, d = 32289415560495 \cdot 2^{666666}$ ) [p199]
18552	$7868502752535 \cdot 2^{666666} - 1$	200700	L1183	10	Arithmetic progression ( $1, d = 3388839720735 \cdot 2^{666666}$ ) [p199]
18922	$516854064975 \cdot 2^{666669} - 1$	200700	L1286	10	Arithmetic progression ( $1, d = 9571322415225 \cdot 2^{666666}$ ) [p199]
19112	$2137480008825 \cdot 2^{666666} - 1$	200699	L1706	10	Arithmetic progression ( $1, d = 2697434638065 \cdot 2^{666668}$ ) [p199]
19157	$1723856909355 \cdot 2^{666666} - 1$	200699	L934	10	Arithmetic progression ( $1, d = 12521740750545 \cdot 2^{666666}$ ) [p199]
19403	$2 \cdot 419^{76419} + 1$	200388	g404	07	Divides $\Phi(419^{76419}, 2)$
19970	$2 \cdot 7919^{50227} + 1$	195819	g428	12	Divides $\Phi(7919^{50227}, 2)$
20427	$2 \cdot 11987^{47063} + 1$	191957	g426	11	Divides $\Phi(11987^{47063}, 2)$
20716	$2 \cdot 191^{83009} + 1$	189347	g404	06	Divides $\Phi(191^{83009}, 2)$
21104	$659 \cdot 2^{617815} + 1$	185984	L732	09	Divides Fermat $F(617813)$
21458	$2 \cdot 131^{86365} + 1$	182859	g404	07	Divides $\Phi(131^{86365}, 2)$
22232	$351 \cdot 2^{588325} + 1$	177107	L651	09	Divides $GF(588323, 6)$
22380	$151 \cdot 2^{585044} + 1$	176118	L446	07	Divides Fermat $F(585042)$
23124	$519 \cdot 2^{567235} + 1$	170758	L656	09	Divides Fermat $F(567233)$
23236	$392113\# + 1$	169966	p16	01	Primorial
24696	$2 \cdot 1031^{53111} + 1$	160038	g404	09	Divides $\Phi(1031^{53111}, 2)$
24875	$366439\# + 1$	158936	p16	01	Primorial
25899	$2 \cdot 191^{66971} + 1$	152764	g404	06	Divides $\Phi(191^{66971}, 2)$
26339	$2 \cdot 431^{56947} + 1$	150026	g404	07	Divides $\Phi(431^{56947}, 2)$
26375	$2 \cdot 1931^{45605} + 1$	149849	g404	07	Divides $\Phi(1931^{45605}, 2)$
26474	$243 \cdot 2^{495732} + 1$	149233	L165	07	Divides Fermat $F(495728)$ , $GF(495726, 3)$ , $GF(495728, 6)$ , $GF(495727, 12)$
26748	$2 \cdot 16187^{35043} + 1$	147503	p358	13	Divides $\Phi(16187^{35043}, 2)$
27152	$9265 \cdot 2^{482072} + 1$	145123	L635	09	Divides $GF(482070, 10)$
27157	$481899 \cdot 2^{481899} + 1$	145072	gm	98	Cullen
27420	$651 \cdot 2^{476632} + 1$	143484	L668	08	Divides Fermat $F(476624)$
27505	$34790! - 1$	142891	p85	02	Factorial
27513	$6841 \cdot 2^{474348} + 1$	142797	L1065	09	Divides $GF(474347, 10)$
27640	$89 \cdot 2^{472099} + 1$	142118	p114	04	Divides Fermat $F(472097)$
28155	$3911 \cdot 2^{462579} + 1$	139254	L679	09	Divides $GF(462577, 10)$



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28226	$9 \cdot 2^{461081} + 1$	138801	g122	03	Divides Fermat $F(461076)$ , $GF(461077, 3)$ , $GF(461077, 6)$ , $GF(461077, 12)$
31684	$2^{364289} - 2^{182145} + 1$	109662	p58	01	Gaussian Mersenne norm 35
31818	$361275 \cdot 2^{361275} + 1$	108761	DS	98	Cullen
31985	$26951! + 1$	107707	p65	02	Factorial
33486	$65516468355 \cdot 2^{333333} + 1$	100355	L923	09	Twin ( $p + 2$ )
33487	$65516468355 \cdot 2^{333333} - 1$	100355	L923	09	Twin (p)
38356	$21480! - 1$	83727	p65	01	Factorial
38765	$183027 \cdot 2^{265441} - 1$	79911	L983	10	Sophie Germain ( $2p + 1$ )
38766	$183027 \cdot 2^{265440} - 1$	79911	L983	10	Sophie Germain (p)
38841	$262419 \cdot 2^{262419} + 1$	79002	DS	98	Cullen
39176	$648621027630345 \cdot 2^{253825} - 1$	76424	x24	09	Sophie Germain ( $2p + 1$ )
39177	$620366307356565 \cdot 2^{253825} - 1$	76424	x24	09	Sophie Germain ( $2p + 1$ )
39178	$648621027630345 \cdot 2^{253824} - 1$	76424	x24	09	Sophie Germain (p)
39179	$620366307356565 \cdot 2^{253824} - 1$	76424	x24	09	Sophie Germain (p)
39675	$\text{prim}V(111534, 1, 27000)$	72683	x25	13	Generalized Lucas primitive part
41037	$2^{216091} - 1$	65050	S	85	Mersenne 31
41260	$(63847^{13339} - 1)/63846$	64091	p170	13	Generalized repunit
41418	$145823\# + 1$	63142	p21	00	Primorial
41693	$2^{203789} + 2^{101895} + 1$	61347	O	00	Gaussian Mersenne norm 34
41951	$(26371^{13681} - 1)/26370$	60482	p170	12	Generalized repunit
42621	$(4529^{16381} - 1)/4528$	59886	CH2	12	Generalized repunit
42983	$2003663613 \cdot 2^{195000} + 1$	58711	L202	07	Twin ( $p + 2$ )
42984	$2003663613 \cdot 2^{195000} - 1$	58711	L202	07	Twin (p)
43241	$\text{prim}V(27655, 1, 19926)$	57566	x25	13	Generalized Lucas primitive part
44900	$607095 \cdot 2^{176312} - 1$	53081	L983	09	Sophie Germain ( $2p + 1$ )
44901	$607095 \cdot 2^{176311} - 1$	53081	L983	09	Sophie Germain (p)
45050	$(38284^{11491} - 1)/38283$	52659	CH2	13	Generalized repunit
45397	$48047305725 \cdot 2^{172404} - 1$	51910	L99	07	Sophie Germain ( $2p + 1$ )
45398	$48047305725 \cdot 2^{172403} - 1$	51910	L99	07	Sophie Germain (p)
45496	$137211941292195 \cdot 2^{171961} - 1$	51780	x24	06	Sophie Germain ( $2p + 1$ )
45497	$194772106074315 \cdot 2^{171960} + 1$	51780	x24	07	Twin ( $p + 2$ )
45498	$194772106074315 \cdot 2^{171960} - 1$	51780	x24	07	Twin (p)
45499	$137211941292195 \cdot 2^{171960} - 1$	51780	x24	06	Sophie Germain (p)
45500	$100314512544015 \cdot 2^{171960} + 1$	51780	x24	06	Twin ( $p + 2$ )
45501	$100314512544015 \cdot 2^{171960} - 1$	51780	x24	06	Twin (p)
45502	$16869987339975 \cdot 2^{171960} + 1$	51779	x24	05	Twin ( $p + 2$ )
45503	$16869987339975 \cdot 2^{171960} - 1$	51779	x24	05	Twin (p)
45717	$(34120^{11311} - 1)/34119$	51269	CH2	11	Generalized repunit
46315	$33218925 \cdot 2^{169690} + 1$	51090	g259	02	Twin ( $p + 2$ )
46316	$33218925 \cdot 2^{169690} - 1$	51090	g259	02	Twin (p)
47047	$2^{160423} - 2^{80212} + 1$	48293	O	00	Gaussian Mersenne norm 33
47171	$\text{prim}V(40395, -1, 15588)$	47759	x23	07	Generalized Lucas primitive part
47240	$\text{prim}V(53394, -1, 15264)$	47200	CH4	07	Generalized Lucas primitive part
47448	$22835841624 \cdot 7^{54321} + 1$	45917	p296	10	Twin ( $p + 2$ )
47449	$22835841624 \cdot 7^{54321} - 1$	45917	p296	10	Twin (p)
47485	$1679081223 \cdot 2^{151618} + 1$	45651	L527	12	Twin ( $p + 2$ )
47486	$1679081223 \cdot 2^{151618} - 1$	45651	L527	12	Twin (p)
47513	$151023 \cdot 2^{151023} - 1$	45468	g25	98	Woodall

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48086	$648309 \cdot 2^{148311} + 1$	44652	L983	10	Cunningham chain 2nd kind ( $2p - 1$ )
48087	$648309 \cdot 2^{148310} + 1$	44652	L983	10	Cunningham chain 2nd kind (p)
48285	$71509 \cdot 2^{143019} - 1$	43058	g23	98	Woodall, arithmetic progression ( $2, d = (143018 \cdot 2^{83969} - 80047) \cdot 2^{59049}$ ) [x12]
48388	$84966861 \cdot 2^{140219} + 1$	42219	L3121	12	Twin ( $p + 2$ )
48389	$84966861 \cdot 2^{140219} - 1$	42219	L3121	12	Twin (p)
48397	$31737014565 \cdot 2^{140004} - 1$	42156	L95	10	Sophie Germain ( $2p + 1$ )
48398	$31737014565 \cdot 2^{140003} - 1$	42156	L95	10	Sophie Germain (p)
48399	$14962863771 \cdot 2^{140002} - 1$	42155	L95	10	Sophie Germain ( $2p + 1$ )
48400	$12378188145 \cdot 2^{140002} + 1$	42155	L95	10	Twin ( $p + 2$ )
48401	$12378188145 \cdot 2^{140002} - 1$	42155	L95	10	Twin (p)
48402	$23272426305 \cdot 2^{140001} + 1$	42155	L95	10	Twin ( $p + 2$ )
48403	$23272426305 \cdot 2^{140001} - 1$	42155	L95	10	Twin (p)
48404	$14962863771 \cdot 2^{140001} - 1$	42155	L95	10	Sophie Germain (p)
48445	$(32556^{9283} - 1)/32555$	41887	CH2	11	Generalized repunit
48714	$(1549^{12973} - 1)/1548$	41382	p170	10	Generalized repunit
48763	$552903 \cdot 2^{136157} + 1$	40994	L983	10	Cunningham chain 2nd kind ( $2p - 1$ )
48764	$552903 \cdot 2^{136156} + 1$	40993	L983	10	Cunningham chain 2nd kind (p)
49604	$2^{132049} - 1$	39751	S	83	Mersenne 30
49617	<i>primV</i> (4836, 1, 16704)	39616	x25	13	Generalized Lucas primitive part
50108	$8151728061 \cdot 2^{125987} + 1$	37936	p35	10	Twin ( $p + 2$ )
50109	$8151728061 \cdot 2^{125987} - 1$	37936	p35	10	Twin (p)
50206	$163221 \cdot 2^{124601} + 1$	37514	L983	09	Cunningham chain 2nd kind ( $2p - 1$ )
50207	$163221 \cdot 2^{124600} + 1$	37514	L983	09	Cunningham chain 2nd kind (p)
50258	$33759183 \cdot 2^{123459} - 1$	37173	L527	09	Sophie Germain ( $2p + 1$ )
50259	$33759183 \cdot 2^{123458} - 1$	37173	L527	09	Sophie Germain (p)
50282	$(28839^{8317} - 1)/28838$	37090	CH6	06	Generalized repunit
50438	$(4366^{10099} - 1)/4365$	36758	x14	11	Generalized repunit
50477	$7068555 \cdot 2^{121302} - 1$	36523	L100	05	Sophie Germain ( $2p + 1$ )
50478	$7068555 \cdot 2^{121301} - 1$	36523	L100	05	Sophie Germain (p)
50483	[ Long prime 50483 ]	36498	p360	13	Sophie Germain ( $2p + 1$ )
50486	[ Long prime 50486 ]	36498	p360	13	Sophie Germain (p)
50634	[ Long prime 50634 ]	35851	p360	13	Twin ( $p + 2$ )
50635	[ Long prime 50635 ]	35851	p360	13	Twin (p)
50639	$598899 \cdot 2^{118987} + 1$	35825	L983	10	Twin ( $p + 2$ )
50640	$598899 \cdot 2^{118987} - 1$	35825	L983	10	Twin (p)
50642	$441797560 \cdot 3^{75001} + 1$	35794	L3323	12	Cunningham chain 2nd kind ( $2p - 1$ )
50644	$220898780 \cdot 3^{75001} + 1$	35793	L3323	12	Cunningham chain 2nd kind (p)
50735	[ Long prime 50735 ]	35206	p360	13	Sophie Germain ( $2p + 1$ )
50736	[ Long prime 50736 ]	35206	p360	13	Sophie Germain (p)
50798	$307259241 \cdot 2^{115599} + 1$	34808	g336	09	Twin ( $p + 2$ )
50799	$307259241 \cdot 2^{115599} - 1$	34808	g336	09	Twin (p)
50832	<i>primV</i> (38513, -1, 11502)	34668	x23	06	Generalized Lucas primitive part
50877	$2540041185 \cdot 2^{114730} - 1$	34547	g294	03	Sophie Germain ( $2p + 1$ )
50885	$2540041185 \cdot 2^{114729} - 1$	34547	g294	03	Sophie Germain (p)

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50991	$60194061 \cdot 2^{114689} + 1$	34533	g294	02	Twin ( $p + 2$ )
50992	$60194061 \cdot 2^{114689} - 1$	34533	g294	02	Twin (p)
51045	$\text{prim}V(9008, 1, 16200)$	34168	x23	05	Generalized Lucas primitive part
51176	$5558745 \cdot 10^{33334} + 1$	33341	p311	11	Twin ( $p + 2$ )
51177	$5558745 \cdot 10^{33334} - 1$	33341	p311	11	Twin (p)
51273	$2^{110503} - 1$	33265	WC	88	Mersenne 29
51279	$108615 \cdot 2^{110342} + 1$	33222	L113	08	Twin ( $p + 2$ )
51280	$108615 \cdot 2^{110342} - 1$	33222	L113	08	Twin (p)
51323	$\text{prim}V(6586, 1, 16200)$	32993	x25	13	Generalized Lucas primitive part
51675	$1124044292325 \cdot 2^{108000} - 1$	32524	L99	06	Sophie Germain ( $2p + 1$ )
51676	$1124044292325 \cdot 2^{107999} - 1$	32523	L99	06	Sophie Germain (p)
51677	$112886032245 \cdot 2^{108001} - 1$	32523	L99	06	Sophie Germain ( $2p + 1$ )
51678	$112886032245 \cdot 2^{108000} - 1$	32523	L99	06	Sophie Germain (p)
51760	$1765199373 \cdot 2^{107520} + 1$	32376	g182	02	Twin ( $p + 2$ )
51761	$1765199373 \cdot 2^{107520} - 1$	32376	g182	02	Twin (p)
52650	$2^{106693} + 2^{53347} + 1$	32118	O	00	Gaussian Mersenne norm 32
52753	$170152540 \cdot 3^{66215} - 1$	31601	L3323	12	Sophie Germain ( $2p + 1$ )
52754	$85076270 \cdot 3^{66215} - 1$	31601	L3323	12	Sophie Germain (p)
52796	$2243973027 \cdot 2^{104568} + 1$	31488	L99	12	Cunningham chain 2nd kind ( $2p - 1$ )
52797	$2243973027 \cdot 2^{104567} + 1$	31488	L99	12	Cunningham chain 2nd kind (p)
52812	$(V(77786, 1, 6453) + 1) / (V(77786, 1, 27) + 1)$	31429	x25	12	Lehmer primitive part
52882	[ Long prime 52882 ]	31112	p360	13	Sophie Germain ( $2p + 1$ )
52883	[ Long prime 52883 ]	31112	p360	13	Sophie Germain (p)
52896	$\text{prim}V(10987, 1, 14400)$	31034	x25	05	Generalized Lucas primitive part
53129	$133603707 \cdot 2^{100014} - 1$	30116	L167	12	Sophie Germain ( $2p + 1$ )
53130	$133603707 \cdot 2^{100013} - 1$	30116	L167	12	Sophie Germain (p)
53131	$38588805195 \cdot 2^{100003} - 1$	30115	L95	09	Sophie Germain ( $2p + 1$ )
53134	$38588805195 \cdot 2^{100002} - 1$	30115	L95	09	Sophie Germain (p)
53221	$(11379^{7411} - 1) / 11378$	30056	x14	09	Generalized repunit
53288	$49363 \cdot 2^{98727} - 1$	29725	Y	97	Woodall
53292	$U(2341, -1, 8819)$	29712	x25	08	Generalized Lucas number
54810	$\text{prim}V(24127, -1, 6718)$	29433	CH3	05	Generalized Lucas primitive part
54944	$(13320^{6997} - 1) / 13319$	28856	x14	10	Generalized repunit
54991	$\text{prim}V(45922, 1, 11520)$	28644	x25	11	Generalized Lucas primitive part
55003	$\text{prim}V(205011)$	28552	x39	09	Lucas primitive part
55034	$U(16531, 1, 6721) - U(16531, 1, 6720)$	28347	x36	07	Lehmer number
55214	$90825 \cdot 2^{90825} + 1$	27347	Y	97	Cullen
55377	$\text{prim}V(5673, 1, 13500)$	27028	CH3	05	Generalized Lucas primitive part
55493	$\text{prim}V(44368, 1, 9504)$	26768	CH3	05	Generalized Lucas primitive part
55540	$(3429^{7549} - 1) / 3428$	26684	x14	09	Generalized repunit
55554	"	tau;(157 <sup>2206</sup> )"	26643	FE1	11
ECCP					
55745	$\text{prim}V(10986, -1, 9756)$	26185	x23	05	Generalized Lucas primitive part
55846	$\text{prim}V(11076, -1, 12000)$	25885	x25	05	Generalized Lucas primitive part
55926	$2^{85237} + 2^{42619} + 1$	25659	x16	00	Gaussian Mersenne norm 31
56004	$\text{prim}V(17505, 1, 11250)$	25459	x25	11	Generalized Lucas primitive part
56006	$U(2325, -1, 7561)$	25451	x20	13	Generalized Lucas number

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56061	$primV(42, -1, 23376)$		25249	x23	07	Generalized Lucas primitive part
56097	$primV(7577, -1, 10692)$		25140	x33	07	Generalized Lucas primitive part
56103	$primV(44573, -1, 10125)$		25105	CH4	07	Generalized Lucas primitive part
56121	$6753^{5122} + 5122^{6753}$		25050	FE1	10	ECPP
56188	$primV(13896, 1, 11250)$		24858	x25	11	Generalized Lucas primitive part
56256	$U(1766, 1, 7561) -$ $U(1766, 1, 7560)$		24548	x25	13	Lehmer number
56269	$(13096^{5953} - 1)/13095$		24506	CH6	07	Generalized repunit
56924	$492590931 \cdot 2^{80000} - 1631979959 \cdot$ $2^{25001} - 1$		24092	p199	10	Arithmetic progression ( $4, d =$ $164196977 \cdot 2^{80000} - 1631979959 \cdot$ $2^{25000}$ )
57064	" -	tau;(691 <sup>1522</sup> )"		23770	c65	14
ECPP						
57071	$U(1383, 1, 7561) +$ $U(1383, 1, 7560)$		23745	x25	13	Lehmer number
57118	$6917! - 1$		23560	g1	98	Factorial
57154	$(89^{11971} - 1)/88$		23335	CH2	09	Generalized repunit
57156	$(23151^{5347} - 1)/23150$		23333	x14	08	Generalized repunit
57171	$2^{77291} + 2^{38646} + 1$		23267	O	00	Gaussian Mersenne norm 30
57177	$(V(59936, 1, 4863) +$ $1)/(V(59936, 1, 3) + 1)$		23220	x25	13	Lehmer primitive part
57213	$(5855^{6121} - 1)/5854$		23058	CH1	05	Generalized repunit
57215	$U(1118, 1, 7561) -$ $U(1118, 1, 7560)$		23047	x25	13	Lehmer number
57315	$(V(45366, 1, 4857) +$ $1)/(V(45366, 1, 3) + 1)$		22604	x25	13	Lehmer primitive part
57334	"(257 <sup>1698</sup> )"		22506	c72	14	ECPP
57358	$(2008^{6781} - 1)/2007$		22393	CH6	10	Generalized repunit
57391	$10^{22250} + 57913$		22251	c35	14	ECPP
57400	$2^{73845} + 14717$		22230	c61	13	ECPP
57544	$U(19258, -1, 5039)$		21586	x23	07	Generalized Lucas number
57571	$6380! + 1$		21507	g1	98	Factorial
57654	$(V(23354, 1, 4869) -$ $1)/(V(23354, 1, 9) - 1)$		21231	x25	13	Lehmer primitive part
57655	$(19979^{4933} - 1)/19978$		21211	x14	11	Generalized repunit
57684	$U(15631, 1, 5040) -$ $U(15631, 1, 5039)$		21134	x25	03	Lehmer number
57840	[ Long prime 57840 ]		20562	FE1	06	ECPP, Mills' prime
57899	$U(11200, -1, 5039)$		20400	x25	04	Generalized Lucas number, cy- clotomy
57964	$Phi(23749, -10)$		20160	c47	14	Unique, ECPP
58122	$V(94823)$		19817	c73	14	Lucas number, ECPP
58130	$U(8454, -1, 5039)$		19785	x25	13	Generalized Lucas number
58139	$(9473^{4969} - 1)/9472$		19756	CH2	08	Generalized repunit
59025	$(14261^{4663} - 1)/14260$		19367	x14	07	Generalized repunit
59196	$U(6584, -1, 5039)$		19238	x23	07	Generalized Lucas number
59221	$(2^{63703} - 1)/42808417$		19169	c59	14	Mersenne cofactor, ECPP
59356	$V(89849)$		18778	c70	14	Lucas number, ECPP
59371	$primV(145353)$		18689	c69	13	ECPP, Lucas primitive part
59372	$Phi(14943, -100)$		18688	c47	14	Unique, ECPP

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59379	$Phi(741, -63847^9)/44250132909040111$	18666	c54	13	ECPP
59385	$587 \cdot 43103\#/2310 + 657402$	18662	c35	13	ECPP
59386	$587 \cdot 43103\#/2310 - 455704$	18662	c35	13	ECPP
59406	$2^{61792} + 21661$	18602	c61	12	ECPP
59482	$Phi(18827, 10)$	18480	c47	14	Unique, ECPP
59610	$42209\# + 1$	18241	p8	99	Primorial
60112	$(V(46662, 1, 3879) - 1)/(V(46662, 1, 9) - 1)$	18069	x25	12	Lehmer primitive part
60151	$7457 \cdot 2^{59659} + 1$	17964	Y	97	Cullen
60404	$Phi(26031, -10)$	17353	c47	14	Unique, ECPP
60450	$U(9657, 1, 4321) - U(9657, 1, 4320)$	17215	x23	05	Lehmer number
60500	$U(81839)$	17103	p54	01	Fibonacci number
60511	$V(81671)$	17069	c66	13	Lucas number, ECPP
60662	$6521953289619 \cdot 2^{55555} + 1$	16737	p296	13	Triplet (3)
60663	$6521953289619 \cdot 2^{55555} - 1$	16737	p296	13	Triplet (2)
60664	$6521953289619 \cdot 2^{55555} - 5$	16737	c58	13	Triplet (1), ECPP
60708	$U(15823, 1, 3960) - U(15823, 1, 3959)$	16625	x25	02	Lehmer number, cyclotomy
60774	$U(10803, 1, 4081) - U(10803, 1, 4080)$	16457	x25	05	Lehmer number, cyclotomy
60812	$U(11091, -1, 4049)$	16375	CH3	05	Generalized Lucas number
60859	$(V(21151, 1, 3777) - 1)/(V(21151, 1, 3) - 1)$	16324	x25	11	Lehmer primitive part
60895	$U(2554, -1, 4751)$	16185	CH3	05	Generalized Lucas number
60919	$U(1599, -1, 5039)$	16141	x23	07	Generalized Lucas number
60980	$U(2878, 1, 4620) - U(2878, 1, 4619)$	15978	x25	13	Lehmer number
60981	$U(10853, 1, 3960) + U(10853, 1, 3959)$	15977	x25	02	Lehmer number, cyclotomy
61172	$U(9667, 1, 3960) - U(9667, 1, 3959)$	15778	x25	02	Lehmer number, cyclotomy
61190	$Phi(2949, -100000000)$	15713	c47	13	Unique, ECPP
61194	$U(14257, -1, 3779)$	15694	x25	04	Generalized Lucas number, cyclotomy
61262	[ Long prime 61262 ]	15537	x38	09	Lehmer primitive part
61341	$(V(824, 1, 5277) - 1)/(V(824, 1, 3) - 1)$	15379	x25	13	Lehmer primitive part
61384	$U(13283, 1, 3697) + U(13283, 1, 3696)$	15240	x25	11	Lehmer number
62307	$1008075799 \cdot 34687\# + 1$	15004	p252	10	Arithmetic progression ( $4, d = 2571033 \cdot 34687\#$ )
62343	$(V(42995, 1, 3231) + 1)/(V(42995, 1, 9) + 1)$	14929	x25	12	Lehmer primitive part
62356	$U(8747, 1, 3780) + U(8747, 1, 3779)$	14897	x25	05	Lehmer number
62378	$Phi(5015, -10000)$	14848	c47	13	Unique, ECPP
62388	$U(25700, 1, 3360) + U(25700, 1, 3359)$	14813	x25	04	Lehmer number, cyclotomy
62389	$2^{49207} - 2^{24604} + 1$	14813	x16	00	Gaussian Mersenne norm 29

rank	description	digits	who	year	comment
62458	$(V(8003, 1, 3771) + 1)/(V(8003, 1, 9) + 1)$		14685	x25	13 Lehmer primitive part
62469	$U(1493, -1, 4621)$		14665	CH3	05 Generalized Lucas number
62483	$U(7431, 1, 3781) - U(7431, 1, 3780)$		14633	x25	13 Lehmer number
62485	$U(4951, 1, 3960) - U(4951, 1, 3959)$		14628	CH3	05 Lehmer number
62560	$U(6571, 1, 3781) - U(6571, 1, 3780)$		14431	x25	13 Lehmer number
62661	$U(6396, 1, 3781) + U(6396, 1, 3780)$		14387	x25	13 Lehmer number
62664	$U(12924, -12925, 3499)$		14382	x25	05 Generalized Lucas number
62719	$U(12113, -1, 3499)$		14284	CH3	05 Generalized Lucas number
62726	$U(5192, 1, 3841) - U(5192, 1, 3840)$		14267	x23	05 Lehmer number
62743	$U(2441, -1, 4201)$		14228	CH3	05 Generalized Lucas number
62749	$U(3865, 1, 3960) + U(3865, 1, 3959)$		14202	x25	02 Lehmer number, cyclotomy
62848	$(V(5111, 1, 3789) + 1)/(V(5111, 1, 9) + 1)$		14019	x25	13 Lehmer primitive part
62852	$(V(5763, 1, 3753) + 1)/(V(5763, 1, 27) + 1)$		14013	x25	11 Lehmer primitive part
63003	[ Long prime 63003 ]		13862	c71	14 Irregular, ECPP
63017	$(V(5132, 1, 3753) + 1)/(V(5132, 1, 27) + 1)$		13825	x25	11 Lehmer primitive part
63089	$(V(4527, 1, 3771) + 1)/(V(4527, 1, 9) + 1)$		13754	x25	13 Lehmer primitive part
63209	[ Long prime 63209 ]		13657	c64	13 Irregular, ECPP
63337	$U(11194, -11195, 3361)$		13605	x25	04 Generalized Lucas number
63438	$263821581 \cdot 2^{45001} - 487069965 \cdot 2^{25002} - 1$		13556	p199	10 Arithmetic progression ( $4, d = 87940527 \cdot 2^{45001} - 487069965 \cdot 2^{25001}$ )
63439	$4103163 \cdot 2^{45007} - 183009063 \cdot 2^{25003} - 1$		13556	p199	10 Arithmetic progression ( $4, d = 1367721 \cdot 2^{45007} - 183009063 \cdot 2^{25002}$ )
63456	$664227 \cdot 2^{45001} - 21037539 \cdot 2^{25006} - 1$		13553	p199	10 Arithmetic progression ( $4, d = 221409 \cdot 2^{45001} - 21037539 \cdot 2^{25005}$ )
63464	$U(2219, -1, 4049)$		13546	CH3	05 Generalized Lucas number
63544	$U(475, -1, 5039)$		13486	x25	03 Generalized Lucas number, cyclotomy
63561	$(V(3813, 1, 3771) - 1)/(V(3813, 1, 9) - 1)$		13473	x25	11 Lehmer primitive part
63801	$(V(3476, 1, 3771) - 1)/(V(3476, 1, 9) - 1)$		13322	x25	11 Lehmer primitive part
63806	$(V(3755, 1, 3753) - 1)/(V(3755, 1, 27) - 1)$		13319	x25	11 Lehmer primitive part
63999	$(V(3177, 1, 3771) - 1)/(V(3177, 1, 9) - 1)$		13175	x25	11 Lehmer primitive part
64059	$(V(3088, 1, 3771) + 1)/(V(3088, 1, 9) + 1)$		13129	x25	11 Lehmer primitive part

rank	description	digits	who	year	comment	
64185	$U(7537, -7538, 3361)$		13028	x23	07	Generalized Lucas number
64191	$U(7512, -7513, 3361)$		13023	x25	04	Generalized Lucas number
64207	$U(2783, -1, 3779)$		13014	CH3	05	Generalized Lucas number
64357	$(2^{42737} + 1)/3$		12865	M	07	ECPP, generalized Lucas number, Wagstaff
64540	$(V(49596, 1, 3375) + 1)/(V(49596, 1, 675) + 1)$		12678	x25	06	Lehmer primitive part
64719	[ Long prime 64719 ]		12533	c63	13	Irregular, ECPP
64796	[ Long prime 64796 ]		12459	c54	12	Mersenne cofactor, ECPP
64906	[ Long prime 64906 ]		12395	c59	12	Mersenne cofactor, ECPP
65156	$p(120052058)$		12198	c59	12	Partitions, ECPP
65157	$p(120037981)$		12197	c59	14	Partitions, ECPP
65733	$primV(57724)$		12063	p54	01	Lucas primitive part, cyclotomy
66163	$V(56003)$		11704	p193	06	Lucas number
66174	$p(110030755)$		11677	c59	14	Partitions, ECPP
66387	$primU(67825)$		11336	x23	07	Fibonacci primitive part
66425	$3610! - 1$		11277	C	93	Factorial
66519	$p(100077222)$		11136	c59	12	Partitions, ECPP
66521	$p(100057273)$		11135	c59	14	Partitions, ECPP
66631	$3507! - 1$		10912	C	92	Factorial
66698	[ Long prime 66698 ]		10763	c64	13	Irregular, ECPP
66721	$primV(77058)$		10729	CH3	05	Lucas primitive part
66736	$V(51169)$		10694	p54	01	Lucas number
66777	$Phi(13285, -10)$		10625	c47	12	Unique, ECPP
66778	$U(50833)$		10624	CH4	05	Fibonacci number
66810	$p(90048122)$		10563	c59	12	Partitions, ECPP
66822	$1213266377 \cdot 2^{35000} + 4859$		10546	c4	14	ECPP, consecutive primes arithmetic progression ( $3, d = 2430$ )
66823	$1213266377 \cdot 2^{35000} + 2429$		10546	c4	14	ECPP, consecutive primes arithmetic progression ( $2, d = 2430$ )
66824	$1213266377 \cdot 2^{35000} - 1$		10546	p44	14	Consecutive primes arithmetic progression ( $1, d = 2430$ )
66825	$1043085905 \cdot 2^{35000} + 18197$		10546	c4	14	ECPP, consecutive primes arithmetic progression ( $3, d = 18198$ )
66826	$1043085905 \cdot 2^{35000} - 1$		10546	p44	14	Consecutive primes arithmetic progression ( $2, d = 18198$ )
66827	$1043085905 \cdot 2^{35000} - 18199$		10546	c4	14	ECPP, consecutive primes arithmetic progression ( $1, d = 18198$ )
66828	$109061779 \cdot 2^{35003} + 11855$		10545	c4	14	ECPP, consecutive primes arithmetic progression ( $3, d = 5928$ )
66829	$109061779 \cdot 2^{35003} + 5927$		10545	c4	14	ECPP, consecutive primes arithmetic progression ( $2, d = 5928$ )
66830	$109061779 \cdot 2^{35003} - 1$		10545	p44	14	Consecutive primes arithmetic progression ( $1, d = 5928$ )
66833	$350049825 \cdot 2^{35000} + 7703$		10545	c4	14	ECPP, consecutive primes arithmetic progression ( $3, d = 3852$ )
66834	$350049825 \cdot 2^{35000} + 3851$		10545	c4	14	ECPP, consecutive primes arithmetic progression ( $2, d = 3852$ )
66835	$350049825 \cdot 2^{35000} - 1$		10545	p44	14	Consecutive primes arithmetic progression ( $1, d = 3852$ )

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66838	$146462479 \cdot 2^{35001} + 8765$		10545	c4	13	ECPP, consecutive primes arithmetic progression ( $3, d = 8766$ )
66839	$146462479 \cdot 2^{35001} - 1$		10545	p44	13	Consecutive primes arithmetic progression ( $2, d = 8766$ )
66840	$146462479 \cdot 2^{35001} - 8767$		10545	c4	13	ECPP, consecutive primes arithmetic progression ( $1, d = 8766$ )
66875	$5110664609396115 \cdot 2^{34946} - 1$		10536	p375	14	Cunningham chain ( $4p + 3$ )
66876	$5110664609396115 \cdot 2^{34945} - 1$		10536	p375	14	Cunningham chain ( $2p + 1$ )
66877	$5110664609396115 \cdot 2^{34944} - 1$		10535	p375	14	Cunningham chain ( $p$ )
66893	$primV(77841)$		10496	x25	05	Lucas primitive part
66902	$914546877 \cdot 2^{34774} - 1$		10477	L983	10	Cunningham chain ( $4p + 3$ )
66903	$914546877 \cdot 2^{34773} - 1$		10477	L983	10	Cunningham chain ( $2p + 1$ )
66904	$914546877 \cdot 2^{34772} - 1$		10477	L983	10	Cunningham chain ( $p$ )
66940	$1288726869465789 \cdot 2^{34567} + 1$		10421	p296	14	Triplet (3)
66941	$1288726869465789 \cdot 2^{34567} - 1$		10421	p296	14	Triplet (2)
66942	$1288726869465789 \cdot 2^{34567} - 5$		10421	c58	14	ECPP, Triplet (1)
66960	$24029\# + 1$		10387	C	93	Primorial
66986	$6 \cdot Bern(4306)/2153$		10342	FE8	09	Irregular, ECPP
67005	$V(49391)/298414424560419239$		10305	c8	13	Lucas cofactor, ECPP
67023	$23801\# + 1$		10273	C	93	Primorial
67132	$p(82479677)$		10109	c59	12	Partitions, ECPP
67141	$p(82352631)$		10101	c56	12	Partitions, ECPP
67151	$81505264551807 \cdot 2^{33444} + 5$		10082	c58	12	Triplet (3), ECPP
67152	$81505264551807 \cdot 2^{33444} + 1$		10082	p296	12	Triplet (2)
67153	$81505264551807 \cdot 2^{33444} - 1$		10082	p296	12	Triplet (1)
67159	$Phi(427, -10^{28})$		10081	FE9	09	Unique, ECPP
67181	$2072644824759 \cdot 2^{33333} + 5$		10047	FE5	08	Triplet (3), ECPP
67182	$2072644824759 \cdot 2^{33333} + 1$		10047	L645	08	Triplet (2)
67183	$2072644824759 \cdot 2^{33333} - 1$		10047	L645	08	Triplet (1)
67515	$p(80036992)$		9958	c46	11	Partitions, ECPP
67625	$32469 \cdot 2^{32469} + 1$		9779	MM	97	Cullen
67627	$(2^{32531} - 1)/(65063 \cdot 25225122959)$		9778	c60	12	Mersenne cofactor, ECPP
67653	$8073 \cdot 2^{32294} + 1$		9726	MM	97	Cullen
67729	$V(45953)/4561241750239$		9591	c56	12	Lucas cofactor, ECPP
67785	$Phi(5161, -100)$		9505	c47	12	Unique, ECPP
67876	$primV(67359)$		9385	c8	14	Lucas primitive part, ECPP
67887	$primA(196035)$		9359	c8	14	Lucas Aurifeuillian primitive part, ECPP
67941	$V(44507)$		9302	CH3	05	Lucas number
68044	$V(43987)/175949$		9188	c8	14	Lucas cofactor, ECPP
68096	$primV(47647)$		9129	c8	14	Lucas primitive part, ECPP
68097	$p(67230446)$		9126	c56	11	Partitions, ECPP
68115	$primV(43931)$		9094	c8	14	Lucas primitive part, ECPP
68301	$primV(71577)$		9029	c8	14	Lucas primitive part, ECPP
68302	$primV(89100)$		9029	c8	14	Lucas primitive part, ECPP
68313	[ Long prime 68313 ]		9010	c8	13	Fibonacci cofactor, ECPP
68381	$primU(44113)$		8916	c8	14	Fibonacci primitive part, ECPP
68382	[ Long prime 68382 ]		8916	c8	14	Fibonacci cofactor, ECPP
68438	[ Long prime 68438 ]		8835	c59	12	Mersenne cofactor, ECPP
68441	$primV(44914)$		8828	c8	13	Lucas primitive part, ECPP



rank	description	digits	who	year	comment
68464	$primA(159165)$		8803	c8	13 Lucas Aurifeuillian primitive part, ECPP
68483	$U(42043)/1681721$		8780	c56	12 Fibonacci cofactor, ECPP
68566	$(2^{28771} - 1)/104726441$		8653	c56	12 Mersenne cofactor, ECPP
68569	$(2^{28759} - 1)/226160777$		8649	c60	12 Mersenne cofactor, ECPP
68657	$Phi(6105, -1000)$		8641	c47	10 Unique, ECPP
68669	$primV(65943)$		8628	c8	13 Lucas primitive part, ECPP
68674	$p(60016427)$		8622	c46	11 Partitions, ECPP
68841	$Phi(4667, -100)$		8593	c47	09 Unique, ECPP
68918	$U(40763)/643247084652261620737$		8498	c8	13 Fibonacci cofactor, ECPP
69011	$primV(50210)$		8394	c8	13 Lucas primitive part, ECPP
69038	$primU(46711)$		8367	c8	13 Fibonacci primitive part, ECPP
69115	$V(39769)/18139109172816581$		8295	c8	13 Lucas cofactor, ECPP
69122	$2^{27529} - 2^{13765} + 1$		8288	O	00 Gaussian Mersenne norm 28
69126	$primB(148605)$		8282	c8	13 Lucas Aurifeuillian primitive part, ECPP
69127	$903445893 \cdot 6^{10628} + 5$		8280	c67	13 Triplet (3)
69128	$903445893 \cdot 6^{10628} + 1$		8280	p364	13 Triplet (2)
69129	$903445893 \cdot 6^{10628} - 1$		8280	p364	13 Triplet (1)
69134	$V(39607)/158429$		8273	c46	11 Lucas cofactor, ECPP
69175	$p(54534155)$		8219	c56	11 Partitions, ECPP
69190	$primB(103645)$		8202	c8	13 Lucas Aurifeuillian primitive part, ECPP
69205	$primV(39124)$		8176	CH3	05 Lucas primitive part
69206	$379185609 \cdot 2^{27129} - 1$		8176	L983	09 Cunningham chain $(4p + 3)$
69208	$379185609 \cdot 2^{27128} - 1$		8175	L983	09 Cunningham chain $(2p + 1)$
69209	$379185609 \cdot 2^{27127} - 1$		8175	L983	09 Cunningham chain $(p)$
69212	$primU(62373)$		8173	c8	13 Fibonacci primitive part, ECPP
69220	$primB(119945)$		8165	c8	13 Lucas Aurifeuillian primitive part, ECPP
69249	$82659189 \cdot 2^{26999} + 1$		8136	L983	10 Cunningham chain 2nd kind $(4p - 3)$
69252	$173028555 \cdot 2^{26995} + 1$		8135	L983	10 Cunningham chain 2nd kind $(4p - 3)$
69262	$primB(99835)$		8126	c8	13 Lucas Aurifeuillian primitive part, ECPP
69296	$primB(96545)$		8070	c8	13 Lucas Aurifeuillian primitive part, ECPP
69305	[ Long prime 69305 ]		8063	c55	11 Mersenne cofactor, ECPP
69336	$p(52155970)$		8037	c4	14 Partitions, ECPP
69339	$p(52126820)$		8035	c4	14 Partitions, ECPP
69340	$p(52108003)$		8034	c4	14 Partitions, ECPP
69353	$p(51983878)$		8024	c4	14 Partitions, ECPP
69354	$p(51975657)$		8023	c4	14 Partitions, ECPP
69360	$p(51911300)$		8018	c4	14 Partitions, ECPP
69361	$p(51873600)$		8015	c4	14 Partitions, ECPP
69362	$p(51864465)$		8015	c4	14 Partitions, ECPP
69374	$18523\# + 1$		8002	D	89 Primorial
69385	$42989535 \cdot 2^{26545} + 1$		7999	L983	10 Cunningham chain 2nd kind $(4p - 3)$

rank	description	digits	who	year	comment	
69403	$primU(43121)$		7975	c8	13	Fibonacci primitive part, ECPP
69420	[ Long prime 69420 ]		7945	c8	13	Irregular, ECPP
69428	$164210699973 \cdot 2^{26328} - 1$		7937	p158	06	Cunningham chain ( $4p + 3$ )
69430	$164210699973 \cdot 2^{26327} - 1$		7937	p158	06	Cunningham chain ( $2p + 1$ )
69431	$164210699973 \cdot 2^{26326} - 1$		7937	p158	06	Cunningham chain (p)
69447	[ Long prime 69447 ]		7906	c39	12	Fibonacci cofactor, ECPP
69491	$U(37511)$		7839	x13	05	Fibonacci number
69522	$primB(145545)$		7824	c8	13	Lucas Aurifeuillian primitive part, ECPP
69530	$primV(56058)$		7810	c8	13	Lucas primitive part, ECPP
69544	$V(37357)/20210113386303842894568629$		7782	c8	13	Lucas cofactor, ECPP
69556	$U(37217)/4466041$		7771	c46	11	Fibonacci cofactor, ECPP
69568	$-E(2762)/2670541$		7760	c11	04	Euler irregular, ECPP
69652	$V(36779)$		7687	CH3	05	Lucas number
69826	$primV(36536)$		7634	c8	13	Lucas primitive part, ECPP
70146	$U(35999)$		7523	p54	01	Fibonacci number, cyclotomy
70165	$Phi(4029, -1000)$		7488	c47	09	Unique, ECPP
70256	$V(35449)$		7409	p12	01	Lucas number
70390	$V(35107)/525110138418084707309$		7317	c8	13	Lucas cofactor, ECPP
70392	$primA(161595)$		7313	c8	13	Lucas Aurifeuillian primitive part, ECPP
70492	$U(34897)/4599458691503517435329$		7272	c8	13	Fibonacci cofactor, ECPP
70515	$V(34759)/27112021$		7257	c33	05	Lucas cofactor, ECPP
70609	[ Long prime 70609 ]		7239	c8	13	Fibonacci cofactor, ECPP
70667	$primV(52779)$		7223	c8	13	Lucas primitive part, ECPP
70672	$U(34607)/13088506284255296513$		7213	c8	13	Fibonacci cofactor, ECPP
70709	$Phi(9455, -10)$		7200	c33	05	Unique, ECPP
70751	$primV(37193)$		7173	c8	13	Lucas primitive part, ECPP
70755	$Phi(1479, -100000000)$		7168	c47	09	Unique, ECPP
70774	$primB(134415)$		7163	c8	13	Lucas Aurifeuillian primitive part, ECPP
71217	$primV(36647)$		7067	c8	13	Lucas primitive part, ECPP
71227	$primV(34532)$		7063	c8	13	Lucas primitive part, ECPP
71243	[ Long prime 71243 ]		7053	c8	13	Fibonacci cofactor, ECPP
71398	$primU(48965)$		7012	c8	13	Fibonacci primitive part, ECPP
71402	$164084347 \cdot 16229\# + 1$		7009	p155	09	Arithmetic progression ( $5, d = 20333209 \cdot 16229\#$ )
71500	$V(33353)/279902102741094707003083072429$		6941	c8	13	Lucas cofactor, ECPP
71509	$primA(82975)$		6935	p54	01	Lucas Aurifeuillian primitive part
71520	$23005 \cdot 2^{23005} - 1$		6930	Y	97	Woodall
71533	$22971 \cdot 2^{22971} - 1$		6920	Y	97	Woodall
71539	$2852851249 \cdot 16001\#/5 + 1$		6913	p199	08	Arithmetic progression ( $5, d = 2653152 \cdot 16001\#$ )
71544	$2399771561 \cdot 16001\#/5 + 1$		6913	p199	08	Arithmetic progression ( $5, d = 86574302 \cdot 16001\#$ )
71546	$1638535589 \cdot 16001\#/5 + 1$		6913	p199	08	Arithmetic progression ( $5, d = 2003735 \cdot 16001\#$ )
71553	$Phi(2405, -10000)$		6912	c47	09	Unique, ECPP
71623	$15877\# - 1$		6845	CD	92	Primorial

rank	description	digits	who	year	comment
71628	$\text{Phi}(10887, 10)$		6841	c33	05 Unique, ECPP
71643	$\text{prim}U(58773)$		6822	c8	13 Fibonacci primitive part, ECPP
71711	$\text{prim}U(40295)$		6737	p12	01 Fibonacci primitive part
71785	[ Long prime 71785 ]		6669	c8	13 Fibonacci cofactor, ECPP
71812	[ Long prime 71812 ]		6637	c8	13 Irregular, ECPP
72037	$\text{prim}A(123405)$		6502	c8	13 Lucas Aurifeuillian primitive part, ECPP
72092	$1797706581 \cdot 2^{21355} - 1$		6438	L100	12 Cunningham chain ( $4p + 3$ )
72094	$1797706581 \cdot 2^{21354} - 1$		6438	L100	12 Cunningham chain ( $2p + 1$ )
72095	$1797706581 \cdot 2^{21353} - 1$		6438	L100	12 Cunningham chain ( $p$ )
72106	$U(30757)$		6428	p54	01 Fibonacci number, cyclotomy
72112	[ Long prime 72112 ]		6425	c8	13 Lucas cofactor, ECPP
72154	$U(30727)/2281521813578534245193$		6400	c8	13 Fibonacci cofactor, ECPP
72158	$U(30671)/1141737296775689$		6395	c41	05 Fibonacci cofactor, ECPP
72315	$\text{Phi}(7357, -10)$		6301	c33	04 Unique, ECPP
72378	$\text{Phi}(6437, 10)$		6240	c47	08 Unique, ECPP
72390	[ Long prime 72390 ]		6229	c4	09 Mersenne cofactor, ECPP
72451	$\text{prim}A(118275)$		6170	c8	13 Lucas Aurifeuillian primitive part, ECPP
72566	$\text{prim}U(43653)$		6082	CH7	10 Fibonacci primitive part
72885	$\text{prim}U(70455)$		6019	c8	13 Fibonacci primitive part, ECPP
72891	$E(2220)/392431891068600713525$		6011	c8	13 Euler irregular, ECPP
72921	$\text{prim}B(83825)$		5994	c8	13 Lucas Aurifeuillian primitive part, ECPP
72983	$\text{prim}U(43359)$		5939	c8	13 Fibonacci primitive part, ECPP
72985	[ Long prime 72985 ]		5938	c8	13 Euler irregular, ECPP
73024	$\text{prim}U(28667)$		5914	c8	13 Fibonacci primitive part, ECPP
73093	$U(28277)/347428330081374457$		5892	c8	13 Fibonacci cofactor, ECPP
73116	$13649\# + 1$		5862	D	87 Primorial
73130	$55339803 \cdot 2^{19402} + 1$		5849	L983	09 Cunningham chain 2nd kind ( $4p - 3$ )
73164	$\text{prim}B(104385)$		5816	c8	13 Lucas Aurifeuillian primitive part, ECPP
73186	$V(27827)/3579579016301$		5803	c4	11 Lucas cofactor, ECPP
73296	[ Long prime 73296 ]		5701	c8	13 Irregular, ECPP
73298	$\text{prim}B(72505)$		5699	c8	13 Lucas Aurifeuillian primitive part, ECPP
73309	$18885 \cdot 2^{18885} - 1$		5690	K	87 Woodall
73451	$1963! - 1$		5614	CD	92 Factorial
73456	$13033\# - 1$		5610	CD	92 Primorial
73491	$289 \cdot 2^{18502} + 1$		5573	K	84 Cullen, generalized Fermat
73555	[ Long prime 73555 ]		5521	c8	13 Fibonacci cofactor, ECPP
73581	$\text{prim}U(39489)$		5502	c8	13 Fibonacci primitive part, ECPP
73593	$\text{prim}U(27721)$		5485	c8	13 Fibonacci primitive part, ECPP
73597	$V(26309)/42316339086094085101$		5479	c8	13 Lucas cofactor, ECPP
73708	$E(2028)/11246153954845684745$		5412	c55	11 Euler irregular, ECPP
73755	$387977793 \cdot 2^{17866} + 1$		5387	L983	09 Cunningham chain 2nd kind ( $4p - 3$ )
73971	[ Long prime 73971 ]		5364	c8	13 Lucas cofactor, ECPP
74033	[ Long prime 74033 ]		5354	c63	13 Irregular ECPP

rank	description	digits	who	year	comment	
74104	$U(25561)$		5342	p54	01	Fibonacci number
74142	[ Long prime 74142 ]		5338	c8	13	Lucas cofactor, ECPP
74161	$V(25577)/147374713548027019$		5329	c4	11	Lucas cofactor, ECPP
74201	$primB(65305)$		5298	c8	13	Lucas Aurifeuillian primitive part, ECPP
74210	$primB(63235)$		5287	c8	13	Lucas Aurifeuillian primitive part, ECPP
74223	[ Long prime 74223 ]		5274	c4	09	Mersenne cofactor, ECPP
74240	[ Long prime 74240 ]		5258	c8	13	Euler irregular, ECPP
74461	$primB(108465)$		5177	c8	13	Lucas Aurifeuillian primitive part, ECPP
74495	$primA(92445)$		5151	c8	13	Lucas Aurifeuillian primitive part, ECPP
74552	[ Long prime 74552 ]		5132	p179	07	Arithmetic progression ( $5, d = (681402540 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) \cdot (205881 \cdot 4001\# - 1)/35)$ )
74646	$(2^{17029} - 1)/418879343$		5118	c8	06	Mersenne cofactor, ECPP
74774	$33957462 \cdot Bern(2370)/40685$		5083	c11	03	Irregular, ECPP
75533	$11549\# + 1$		4951	D	86	Primorial
75958	[ Long prime 75958 ]		4896	c8	13	Lucas cofactor, ECPP
76047	[ Long prime 76047 ]		4812	c4	11	Euler irregular, ECPP
76081	$7911 \cdot 2^{15823} - 1$		4768	K	87	Woodall
76099	$V(22811)/(2469062641 \cdot 84961206854418761)$		4741	c8	04	Lucas cofactor, ECPP
76137	$primU(25493)$		4695	c8	07	Fibonacci primitive part, ECPP
76478	$Phi(6685, -10)$		4560	c8	03	Unique, ECPP
76666	[ Long prime 76666 ]		4498	c4	04	Euler irregular, ECPP
76689	[ Long prime 76689 ]		4479	c8	04	Fibonacci cofactor, ECPP
76714	$primU(34593)$		4444	c8	07	Fibonacci primitive part, ECPP
76727	$2^{14699} + 2^{7350} + 1$		4425	O	00	Gaussian Mersenne norm 27
76736	$primU(38181)$		4414	c8	07	Fibonacci primitive part, ECPP
76786	$(2^{14561} - 1)/8074991336582835391$		4365	c8	04	Mersenne cofactor, ECPP
76787	[ Long prime 76787 ]		4365	c4	08	Mersenne cofactor, ECPP
76791	$Phi(3273, -100)$		4361	c8	03	Unique, ECPP
76793	$(2^{14479} + 1)/3$		4359	c4	04	Generalized Lucas number, Wagstaff, ECPP
76966	$U(20749)/40143391315257666998313330569$		4308	c8	13	Fibonacci cofactor, ECPP
77006	$primU(21053)$		4274	c8	07	Fibonacci primitive part, ECPP
77013	$primU(31209)$		4264	c8	07	Fibonacci primitive part, ECPP
77074	[ Long prime 77074 ]		4200	c8	03	Irregular, ECPP
77075	$primU(25115)$		4199	CH3	05	Fibonacci primitive part
77205	[ Long prime 77205 ]		4099	c8	13	Fibonacci cofactor, ECPP
77206	$U(19709)/5442947509995472691549$		4097	c8	13	Fibonacci cofactor, ECPP
77239	$V(19469)$		4069	x25	02	Lucas number, cyclotomy, APR-CL assisted
77282	$1477! + 1$		4042	D	84	Factorial
77509	[ Long prime 77509 ]		4002	c8	04	Fibonacci cofactor, ECPP
77606	$-2730 \cdot Bern(1884)/100983617849$		3844	c8	03	Irregular, ECPP

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77624	$2840178 \cdot \text{Bern}(1870)/85$		3821	c8	03	Irregular, ECPP
77712	[ Long prime 77712 ]		3734	c8	03	Irregular, ECPP
77714	$12379 \cdot 2^{12379} - 1$		3731	K	84	Woodall
77715	$(2^{12391} + 1)/3$		3730	M	96	Generalized Lucas number, Wagstaff
77802	[ Long prime 77802 ]		3708	c4	08	Mersenne cofactor, ECPP
77830	[ Long prime 77830 ]		3682	c8	13	Euler irregular, ECPP
77838	[ Long prime 77838 ]		3671	c4	03	Euler irregular, ECPP
77861	$642 \cdot \text{Bern}(1802)/15720728189$		3641	c8	03	Irregular, ECPP
77958	$V(17029)/(9570299 \cdot 495749440031)$		3541	c8	04	Lucas cofactor, ECPP
77979	$(2^{11813} - 1)/(70879 \cdot 207971134271377)$		3537	c8	02	Mersenne cofactor, ECPP
78085	$2339662057597 \cdot 10^{3490} + 9$		3503	c67	13	Quadruplet (4)
78086	$2339662057597 \cdot 10^{3490} + 7$		3503	c67	13	Quadruplet (3)
78087	$2339662057597 \cdot 10^{3490} + 3$		3503	c67	13	Quadruplet (2)
78088	$2339662057597 \cdot 10^{3490} + 1$		3503	p364	13	Quadruplet (1)
78141	$305136484659 \cdot 2^{11399} + 7$		3443	c67	13	Quadruplet (4)
78142	$305136484659 \cdot 2^{11399} + 5$		3443	c67	13	Quadruplet (3)
78143	$305136484659 \cdot 2^{11399} + 1$		3443	p364	13	Quadruplet (2)
78144	$305136484659 \cdot 2^{11399} - 1$		3443	p364	13	Quadruplet (1)
78928	$(2^{11279} + 1)/3$		3395	PM	98	Cyclotomy, generalized Lucas number, Wagstaff
79127	$722047383902589 \cdot 2^{11111} + 7$		3360	c26	13	Quadruplet (4)
79128	$722047383902589 \cdot 2^{11111} + 5$		3360	c26	13	Quadruplet (3)
79129	$722047383902589 \cdot 2^{11111} + 1$		3360	L165	13	Quadruplet (2)
79130	$722047383902589 \cdot 2^{11111} - 1$		3360	L165	13	Quadruplet (1)
79215	[ Long prime 79215 ]		3284	c4	11	Mersenne cofactor, ECPP
79233	[ Long prime 79233 ]		3247	c8	13	Lucas cofactor, ECPP
79246	$V(15511)/394599841$		3234	c8	04	Lucas cofactor, ECPP
79262	$(2^{10691} + 1)/3$		3218	c4	04	Generalized Lucas number, Wagstaff, ECPP
79319	$(2^{10501} + 1)/3$		3161	M	96	Generalized Lucas number, Wagstaff
79435	$2^{10141} + 2^{5071} + 1$		3053	O	00	Gaussian Mersenne norm 26
79494	[ Long prime 79494 ]		3030	c4	10	Mersenne cofactor, ECPP
79500	$43697976428649 \cdot 2^{9999} + 7$		3024	c58	12	Quadruplet (4)
79501	$43697976428649 \cdot 2^{9999} + 5$		3024	c58	12	Quadruplet (3)
79502	$43697976428649 \cdot 2^{9999} + 1$		3024	p349	12	Quadruplet (2)
79503	$43697976428649 \cdot 2^{9999} - 1$		3024	p349	12	Quadruplet (1)
79506	[ Long prime 79506 ]		3022	c8	02	Mersenne cofactor, ECPP
79510	$62037039993 \cdot 7001\# + 7811555813$		3021	x38	13	Consecutive primes arithmetic progression ( $4, d = 30$ ), ECPP
79514	$50946848056 \cdot 7001\# + 7811555813$		3021	x38	13	Consecutive primes arithmetic progression ( $4, d = 30$ ), ECPP
79521	$26997933312 \cdot 7001\# + 7811555753$		3020	x38	13	Consecutive primes arithmetic progression ( $4, d = 30$ ), ECPP
79525	$25506692100 \cdot 7001\# + 7811555783$		3020	x38	13	Consecutive primes arithmetic progression ( $4, d = 30$ ), ECPP
79529	$V(14449)$		3020	DK	95	Lucas number

rank	description	digits	who	year	comment
79533	$3124777373 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $7, d = 481789017 \cdot 7001\#$ )
79534	$2996180304 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $6, d = 46793757 \cdot 7001\#$ )
79536	$2946259686 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $6, d = 313558156 \cdot 7001\#$ )
79537	$2915000572 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $6, d = 3093612 \cdot 7001\#$ )
79541	$2903168860 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $6, d = 370654742 \cdot 7001\#$ )
79545	$2884761225 \cdot 7001\# + 1$		3019	p155	12 Arithmetic progression ( $6, d = 46112185 \cdot 7001\#$ )
80050	$U(14431)$		3016	p54	01 Fibonacci number
80280	[ Long prime 80280 ]		2979	c8	02 Mersenne cofactor, ECPP
80397	$V(13963)$		2919	c11	02 Lucas number, ECPP
80436	[ Long prime 80436 ]		2888	c8	02 Mersenne cofactor, ECPP
80459	$9531 \cdot 2^{9531} - 1$		2874	K	84 Woodall
80492	$9992783016 \cdot 6599\# - 1$		2836	p295	11 Cunningham chain ( $8p + 7$ )
80504	[ Long prime 80504 ]		2829	c8	13 Euler irregular, ECPP
80520	$6569\# - 1$		2811	D	92 Primorial
81168	$-E(1078)/361898544439043$		2578	c4	02 Euler irregular, ECPP
81179	$198267970563 \cdot 6007\# + 7811555753$		2575	x38	13 Consecutive primes arithmetic progression ( $4, d = 30$ ), ECPP
81408	$V(12251)$		2561	p54	01 Lucas number
82082	$46359065729523 \cdot 2^{8258} + 7$		2500	c26	11 Quadruplet (4)
82083	$46359065729523 \cdot 2^{8258} + 5$		2500	c26	11 Quadruplet (3)
82084	$46359065729523 \cdot 2^{8258} + 1$		2500	L165	11 Quadruplet (2)
82085	$46359065729523 \cdot 2^{8258} - 1$		2500	L165	11 Quadruplet (1)
82160	$974! - 1$		2490	CD	92 Factorial
82641	$E(1028)/(6415 \cdot 56837916301577)$		2433	c4	02 Euler irregular, ECPP
82869	$E(1004)/(579851915 \cdot 80533376783)$		2364	c4	02 Euler irregular, ECPP
82880	$953477584 \cdot 5501\# - 1$		2355	p133	05 Cunningham chain ( $8p + 7$ )
83106	$7755 \cdot 2^{7755} - 1$		2339	K	84 Woodall
83628	[ Long prime 83628 ]		2276	c4	02 Irregular, ECPP
83650	$-36870 \cdot Bern(1228)/1043706675925609$		2272	c4	02 Irregular, ECPP
83870	$V(10691)$		2235	DK	95 Lucas number
84436	$872! + 1$		2188	D	83 Factorial
85272	$5045589688 \cdot 4933\# + 1$		2106	p295	10 Cunningham chain 2nd kind ( $8p - 7$ )
85600	[ Long prime 85600 ]		2069	c4	02 Euler irregular, ECPP
85755	$-E(886)/68689$		2051	c4	02 Euler irregular, ECPP
85865	$4787\# + 1$		2038	D	84 Primorial
86133	$U(9677)$		2023	c2	00 Fibonacci number, ECPP
87969	$6611 \cdot 2^{6611} + 1$		1994	K	84 Cullen
88040	$4583\# - 1$		1953	D	92 Primorial
88062	$U(9311)$		1946	DK	95 Fibonacci number
88082	$4547\# + 1$		1939	D	84 Primorial
88331	$4297\# - 1$		1844	D	92 Primorial

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88381	$125848198864 \cdot 4253\# + 1$		1829	p199	10	Cunningham chain 2nd kind ( $8p - 7$ )
88382	$113419228920 \cdot 4253\# + 1$		1829	p199	10	Cunningham chain 2nd kind ( $8p - 7$ )
88385	$45912427272 \cdot 4253\# + 1$		1829	p199	10	Cunningham chain 2nd kind ( $8p - 7$ )
88630	$11628008104 \cdot 4127\# + 1$		1770	p133	05	Cunningham chain 2nd kind ( $8p - 7$ )
88635	$V(8467)$		1770	c2	00	Lucas number, ECPP
88718	$4093\# - 1$		1750	CD	92	Primorial
88730	$5795 \cdot 2^{5795} + 1$		1749	K	84	Cullen
88736	$(2^{5807} + 1)/3$		1748	PM	98	Cyclotomy, generalized Lucas number, Wagstaff
89115	[ Long prime 89115 ]		1640	c62	13	Irregular, ECPP
89188	$V(7741)$		1618	DK	95	Lucas number
89246	$20438086160 \cdot 3733\# - 1$		1605	p295	10	Cunningham chain ( $8p + 7$ )
89250	$17758152104 \cdot 3733\# - 1$		1605	p295	10	Cunningham chain ( $8p + 7$ )
89264	$83 \cdot 2^{5318} - 1$		1603	K	84	Woodall
90477	$163252711105 \cdot 3371\#/2 + 4$		1443	c67	14	Quintuplet (5)
90478	$163252711105 \cdot 3371\#/2 + 2$		1443	c67	14	Quintuplet (4)
90479	$163252711105 \cdot 3371\#/2 - 2$		1443	c67	14	Quintuplet (3)
90480	$163252711105 \cdot 3371\#/2 - 4$		1443	c67	14	Quintuplet (2)
90481	$163252711105 \cdot 3371\#/2 - 8$		1443	c67	14	Quintuplet (1)
90761	$4713 \cdot 2^{4713} + 1$		1423	K	84	Cullen
90835	[ Long prime 90835 ]		1418	c4	02	Irregular, ECPP
91025	$460226463 \cdot 3301\# + 1$		1402	p252	10	Arithmetic progression ( $7, d =$ $30017636 \cdot 3301\#$ )
91036	$9039840848561 \cdot 3299\#/35 + 7$		1401	c67	13	Quintuplet (5)
91037	$9039840848561 \cdot 3299\#/35 + 5$		1401	c67	13	Quintuplet (4)
91038	$9039840848561 \cdot 3299\#/35 + 1$		1401	p364	13	Quintuplet (3)
91039	$9039840848561 \cdot 3299\#/35 - 1$		1401	p364	13	Quintuplet (2)
91040	$9039840848561 \cdot 3299\#/35 - 5$		1401	c67	13	Quintuplet (1)
91152	[ Long prime 91152 ]		1391	c8	13	Euler irregular, ECPP
91534	$3229\# + 1$		1368	D	84	Primorial
91566	$580182204072 \cdot 3203\# - 1$		1366	p295	11	Cunningham chain ( $8p + 7$ )
92142	[ Long prime 92142 ]		1343	c4	02	Euler irregular, ECPP
92467	$1233917739 \cdot 3121\# + 1$		1335	p155	10	Arithmetic progression ( $7, d =$ $5893725 \cdot 3121\#$ )
92741	$1461401630 \cdot 3109\# + 1$		1328	p252	09	Arithmetic progression ( $7, d =$ $35777939 \cdot 3109\#$ )
93291	[ Long prime 93291 ]		1311	c4	02	Irregular, ECPP
94164	$699549860111847 \cdot 2^{4244} + 11$		1293	c26	13	Quintuplet (5)
94165	$699549860111847 \cdot 2^{4244} + 7$		1293	c26	13	Quintuplet (4)
94166	$699549860111847 \cdot 2^{4244} + 5$		1293	c26	13	Quintuplet (3)
94167	$699549860111847 \cdot 2^{4244} + 1$		1293	p371	13	Quintuplet (2)
94168	$699549860111847 \cdot 2^{4244} - 1$		1293	p371	13	Quintuplet (1)
94243	$833000864 \cdot 3011\# + 1$		1290	p155	06	Arithmetic progression ( $7, d =$ $114858412 \cdot 3011\#$ )
95956	$546! - 1$		1260	D	92	Factorial
97241	$V(5851)$		1223	DK	95	Lucas number

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97804	$406463527990 \cdot 2801\# + 1633050403$		1209	x38	13	Consecutive primes arithmetic progression ( $5, d = 30$ )
99059	$68002763264 \cdot 2749\# - 1$		1185	p35	12	Cunningham chain ( $16p + 15$ )
101270	[ Long prime 101270 ]		1143	c8	13	Euler irregular, ECPP
101747	$1290733709840 \cdot 2677\# + 1$		1141	p295	11	Cunningham chain 2nd kind ( $16p - 15$ )
102264	$U(5387)$		1126	WM	90	Fibonacci number
102755	$720128166480 \cdot 2621\# + 1$		1117	p199	10	Cunningham chain 2nd kind ( $16p - 15$ )
102764	$566650659276 \cdot 2621\# + 1615853$		1117	x38	13	Quintuplet (5)
102765	$566650659276 \cdot 2621\# + 1615849$		1117	x38	13	Quintuplet (4)
102766	$566650659276 \cdot 2621\# + 1615847$		1117	x38	13	Quintuplet (3)
102767	$566650659276 \cdot 2621\# + 1615843$		1117	x38	13	Quintuplet (2)
102768	$566650659276 \cdot 2621\# + 1615841$		1117	x38	13	Quintuplet (1)
102770	$554729409262 \cdot 2621\# + 1615853$		1117	x38	13	Quintuplet (5)
102771	$554729409262 \cdot 2621\# + 1615849$		1117	x38	13	Quintuplet (4)
102772	$554729409262 \cdot 2621\# + 1615847$		1117	x38	13	Quintuplet (3)
102773	$554729409262 \cdot 2621\# + 1615843$		1117	x38	13	Quintuplet (2)
102774	$554729409262 \cdot 2621\# + 1615841$		1117	x38	13	Quintuplet (1)
105127	$993530619517 \cdot 2503\# + 1633050373$		1073	x38	13	Consecutive primes arithmetic progression ( $5, d = 30$ )
105141	$495690450643 \cdot 2503\# + 1633050403$		1072	x38	13	Consecutive primes arithmetic progression ( $5, d = 30$ )
105167	$150822742857 \cdot 2503\# + 1633050373$		1072	x38	13	Consecutive primes arithmetic progression ( $5, d = 30$ )
105179	$94807777362 \cdot 2503\# + 1633050373$		1072	x38	13	Consecutive primes arithmetic progression ( $5, d = 30$ )
105562	$(2^{3539} + 1)/3$		1065	M	89	First titanic by ECPP, generalized Lucas number, Wagstaff
105779	$-E(510)$		1062	c4	02	Euler irregular, ECPP
105829	[ Long prime 105829 ]		1060	c4	02	Euler irregular, ECPP
106037	$2968802755 \cdot 2459\# + 1$		1057	p155	09	Arithmetic progression ( $8, d = 359463429 \cdot 2459\#$ )
106231	$469! - 1$		1051	BC	81	Factorial
106862	$6179783529 \cdot 2411\# + 1$		1037	p102	03	Arithmetic progression ( $8, d = 176836494 \cdot 2411\#$ )
107195	$R(1031)$		1031	WD	85	Repunit
107536	$51800236080 \cdot 2377\# - 1$		1017	p295	11	Cunningham chain ( $16p + 15$ )
107617	$418059269664 \cdot 2371\# + 1$		1015	p308	11	Cunningham chain 2nd kind ( $16p - 15$ )
107642	$116040452086 \cdot 2371\# + 1$		1014	p308	12	Arithmetic progression ( $9, d = 6317280828 \cdot 2371\#$ )
107643	$115248484057 \cdot 2371\# + 1$		1014	p308	13	Arithmetic progression ( $8, d = 7327002535 \cdot 2371\#$ )
107645	$113236255068 \cdot 2371\# + 1$		1014	p308	13	Arithmetic progression ( $8, d = 6601354956 \cdot 2371\#$ )
107646	$112929231161 \cdot 2371\# + 1$		1014	p308	13	Arithmetic progression ( $8, d = 6982118533 \cdot 2371\#$ )
107792	$97336164242 \cdot 2371\# + 1$		1014	p308	13	Arithmetic progression ( $9, d = 6350457699 \cdot 2371\#$ )



rank	description	digits	who	year	comment
107916	$93537753980 \cdot 2371\# + 1$		1014	p308	13 Arithmetic progression ( $9, d = 3388165411 \cdot 2371\#$ )
107948	$92836168856 \cdot 2371\# + 1$		1014	p308	13 Arithmetic progression ( $9, d = 127155673 \cdot 2371\#$ )
109561	$69318339141 \cdot 2371\# + 1$		1014	p308	11 Arithmetic progression ( $9, d = 1298717501 \cdot 2371\#$ )
112800	$V(4793)$		1002	DK	95 Lucas number
112843	$V(4787)$		1001	DK	95 Lucas number

## 2 The Long Primes

These are the primes that were too long to fit above.

Prime with rank 222 (712748 digits by p360) See on-line version for the rest of the digits

“57671892869766803925...(712708 other digits)...06520121133805600769”

Prime with rank 1159 (470458 digits by p360) See on-line version for the rest of the digits

“19000302866132191930...(470418 other digits)...64447092025915867137”

Prime with rank 1785 (398204 digits by p44) See on-line version for the rest of the digits

“15238445279350815802...(398164 other digits)...70851559196354845061”

Prime with rank 3426 (377922 digits by x29)

$$(935695 \cdot 2^{627694} + 3)^2 + (1123581 \cdot 2^{313839})^2$$

Prime with rank 3941 (367199 digits by p342)

$$79916753563828279896266938611356192810163128144777193765 \cdot 2^{1219621} + 1$$

Prime with rank 4807 (349822 digits by p360) See on-line version for the rest of the digits

“94429650041209025217...(349782 other digits)...31628188691871039489”

Prime with rank 6424 (320237 digits by p44)

$$\text{Phi}(3, 10^{160118}) + (137 \cdot 10^{160119} + 731 \cdot 10^{159275}) \cdot (10^{843} - 1)/999$$

Prime with rank 6429 (320097 digits by p44)

$$\text{Phi}(3, 10^{160048}) + (137 \cdot 10^{160049} + 731 \cdot 10^{157453}) \cdot (10^{2595} - 1)/999$$

Prime with rank 9382 (276340 digits by x38)

$$\text{Phi}(5, (422716551 \cdot 16001\#/5 + 1) \cdot (24696 \cdot 16001\# - 1)^9)$$

Prime with rank 9383 (276340 digits by x38)

$$\text{Phi}(5, (572949246 \cdot 16001\#/5 + 1) \cdot (23208 \cdot 16001\# - 1)^9)$$

Prime with rank 9384 (276337 digits by x38)

$$\text{Phi}(5, (130813006 \cdot 16001\#/5 + 1) \cdot (23208 \cdot 16001\# - 1)^9)$$

Prime with rank 9385 (276333 digits by x38)

$$\text{Phi}(5, (323243446 \cdot 16001\#/5 + 1) \cdot (16051 \cdot 16001\# - 1)^9)$$

Prime with rank 9386 (276332 digits by x38)

$$\text{Phi}(5, (815932961 \cdot 16001\#/5 + 1) \cdot (13303 \cdot 16001\# - 1)^9)$$

Prime with rank 9387 (276331 digits by x38)

$$\text{Phi}(5, (1353907141 \cdot 16001\#/5 + 1) \cdot (11725 \cdot 16001\# - 1)^9)$$

Prime with rank 9388 (276330 digits by x38)

$$\text{Phi}(5, (1381740026 \cdot 16001\#/5 + 1) \cdot (10862 \cdot 16001\# - 1)^9)$$

Prime with rank 9390 (276329 digits by x38)

$$\text{Phi}(5, (323094346 \cdot 16001\#/5 + 1) \cdot (12015 \cdot 16001\# - 1)^9)$$

Prime with rank 9391 (276328 digits by x38)

$$\text{Phi}(5, (996217306 \cdot 16001\#/5 + 1) \cdot (10349 \cdot 16001\# - 1)^9)$$

Prime with rank 9392 (276323 digits by x38)

$$\text{Phi}(5, (1043959916 \cdot 16001\#/5 + 1) \cdot (7184 \cdot 16001\# - 1)^9)$$

Prime with rank 9393 (276320 digits by x38)

$$\text{Phi}(5, (1247341201 \cdot 16001\#/5 + 1) \cdot (6071 \cdot 16001\# - 1)^9)$$

Prime with rank 9394 (276320 digits by x38)

$$\text{Phi}(5, (1242474561 \cdot 16001\#/5 + 1) \cdot (6071 \cdot 16001\# - 1)^9)$$

Prime with rank 9395 (276318 digits by x38)

$$\text{Phi}(5, (364740596 \cdot 16001\#/5 + 1) \cdot (6071 \cdot 16001\# - 1)^9)$$

Prime with rank 9396 (276317 digits by x38)

$$\text{Phi}(5, (1512607666 \cdot 16001\#/5 + 1) \cdot (4961 \cdot 16001\# - 1)^9)$$

Prime with rank 9397 (276316 digits by x38)

$$\text{Phi}(5, (855408961 \cdot 16001\#/5 + 1) \cdot (4961 \cdot 16001\# - 1)^9)$$

Prime with rank 9399 (276309 digits by x38)

$$\text{Phi}(5, (207685826 \cdot 16001\#/5 + 1) \cdot (3668 \cdot 16001\# - 1)^9)$$

Prime with rank 9400 (276291 digits by x38)

$$\text{Phi}(5, (277516296 \cdot 16001\#/5 + 1) \cdot (1085 \cdot 16001\# - 1)^9)$$

Prime with rank 9479 (275495 digits by p44)

$$\text{Phi}(3, 10^{137747}) + (137 \cdot 10^{137748} + 731 \cdot 10^{129293}) \cdot (10^{8454} - 1)/999$$

Prime with rank 14051 (221071 digits by x34)

$$\text{Phi}(5, (3668 \cdot 16001\# - 1) \cdot (378266 \cdot 16001\#/5 + 1)^7)$$

Prime with rank 15455 (208559 digits by p44)

$$\text{Phi}(3, 10^{104279}) + (137 \cdot 10^{104280} + 731 \cdot 10^{93395}) \cdot (10^{10884} - 1)/999$$

Prime with rank 15456 (208553 digits by p44)

$$\text{Phi}(3, 10^{104276}) + (137 \cdot 10^{104277} + 731 \cdot 10^{99683}) \cdot (10^{4593} - 1)/999$$

Prime with rank 15463 (208515 digits by p44)

$$\text{Phi}(3, 10^{104257}) + (137 \cdot 10^{104258} + 731 \cdot 10^{99193}) \cdot (10^{5064} - 1)/999$$

Prime with rank 15708 (206579 digits by p44)

$$\text{Phi}(3, 10^{103289}) + (137 \cdot 10^{103290} + 731 \cdot 10^{90449}) \cdot (10^{12840} - 1)/999$$

Prime with rank 15710 (206565 digits by p44)

$$\text{Phi}(3, 10^{103282}) + (137 \cdot 10^{103283} + 731 \cdot 10^{85009}) \cdot (10^{18273} - 1)/999$$

Prime with rank 15737 (206365 digits by x29)

$$\text{Phi}(3, 10^{103182}) + (137 \cdot 10^{103183} + 731 \cdot 10^{66639}) \cdot (10^{36543} - 1)/999$$

Prime with rank 15739 (206349 digits by p44)

$$\text{Phi}(3, 10^{103174}) + (137 \cdot 10^{103175} + 731 \cdot 10^{78103}) \cdot (10^{25071} - 1)/999$$

Prime with rank 15743 (206267 digits by p44)

$$\text{Phi}(3, 10^{103133}) + (137 \cdot 10^{103134} + 731 \cdot 10^{98675}) \cdot (10^{4458} - 1)/999$$

Prime with rank 15744 (206263 digits by p44)

$$\text{Phi}(3, 10^{103131}) + (137 \cdot 10^{103132} + 731 \cdot 10^{78393}) \cdot (10^{24738} - 1)/999$$

Prime with rank 15746 (206249 digits by p44)

$$\text{Phi}(3, 10^{103124}) + (137 \cdot 10^{103125} + 731 \cdot 10^{84659}) \cdot (10^{18465} - 1)/999$$

Prime with rank 15760 (206157 digits by p44)

$$\text{Phi}(3, 10^{103078}) + (137 \cdot 10^{103079} + 731 \cdot 10^{81751}) \cdot (10^{21327} - 1)/999$$

Prime with rank 15772 (206085 digits by p44)

$$\text{Phi}(3, 10^{103042}) + (137 \cdot 10^{103043} + 731 \cdot 10^{69745}) \cdot (10^{33297} - 1)/999$$

Prime with rank 15773 (206085 digits by p44)

$$\text{Phi}(3, 10^{103042}) + (137 \cdot 10^{103043} + 731 \cdot 10^{88753}) \cdot (10^{14289} - 1)/999$$

Prime with rank 15779 (206057 digits by p44)

$$\text{Phi}(3, 10^{103028}) + (137 \cdot 10^{103029} + 731 \cdot 10^{69587}) \cdot (10^{33441} - 1)/999$$

Prime with rank 50483 (36498 digits by p360)

$$2 \cdot (2^{1562} \cdot 3^{109} \cdot 828814575031^{420} \cdot 955637315837^{480} \cdot 672198801383^{498} \cdot 162946224587^{484} \cdot 258724139309^{335} \cdot 327170641169^{422} \cdot 880151556857^{437} - 1) + 1$$

Prime with rank 50486 (36498 digits by p360)

$$2^{1562} \cdot 3^{109} \cdot 828814575031^{420} \cdot 955637315837^{480} \cdot 672198801383^{498} \cdot 162946224587^{484} \cdot 258724139309^{335} \cdot 327170641169^{422} \cdot 880151556857^{437} - 1$$

Prime with rank 50634 (35851 digits by p360)

$$2^{1799} \cdot 3^{137} \cdot 474579581429^{465} \cdot 443749004359^{326} \cdot 644541865141^{488} \cdot 561014826899^{421} \cdot 725590842793^{493} \cdot 623163115793^{476} \cdot 383657519591^{332} + 1$$

Prime with rank 50635 (35851 digits by p360)

$$2^{1799} \cdot 3^{137} \cdot 474579581429^{465} \cdot 443749004359^{326} \cdot 644541865141^{488} \cdot 561014826899^{421} \cdot 725590842793^{493} \cdot 623163115793^{476} \cdot 383657519591^{332} - 1$$

Prime with rank 50735 (35206 digits by p360)

$$2 \cdot (2^{1512} \cdot 3^{143} \cdot 973012422269^{378} \cdot 471613096919^{407} \cdot 540579043769^{407} \cdot 251138810633^{368} \cdot 589234783037^{445} \cdot 475774278173^{498} \cdot 579909737837^{457} - 1) + 1$$

Prime with rank 50736 (35206 digits by p360)

$$2^{1512} \cdot 3^{143} \cdot 973012422269^{378} \cdot 471613096919^{407} \cdot 540579043769^{407} \cdot 251138810633^{368} \cdot 589234783037^{445} \cdot 475774278173^{498} \cdot 579909737837^{457} - 1$$

Prime with rank 52882 (31112 digits by p360)

$$2^{1515} \cdot 48688484017^{560} \cdot 133579779967^{573} \cdot 383159376767^{784} \cdot 960310896529^{769} + 3$$

Prime with rank 52883 (31112 digits by p360)

$$2^{1514} \cdot 48688484017^{560} \cdot 133579779967^{573} \cdot 383159376767^{784} \cdot 960310896529^{769} + 1$$

Prime with rank 57840 (20562 digits by FE1)

$$((((((2521008887^3 + 80)^3 + 12)^3 + 450)^3 + 894)^3 + 3636)^3 + 70756)^3 + 97220$$

Prime with rank 61262 (15537 digits by x38)

$$(U(9275, 1, 3961) + U(9275, 1, 3960))/(U(9275, 1, 45) + U(9275, 1, 44))$$

Prime with rank 63003 (13862 digits by c71)

$$6 \cdot \text{Bern}(5534)/(89651360098907 \cdot 22027790155387 \cdot 114866371)$$

Prime with rank 63209 (13657 digits by c64)

$$6 \cdot \text{Bern}(5462)/(724389557 \cdot 8572589 \cdot 3742097186099)$$

Prime with rank 64719 (12533 digits by c63)

$$6 \cdot \text{Bern}(5078)/(64424527603 \cdot 9985070580644364287)$$

Prime with rank 64796 (12459 digits by c54)

$$(2^{41521} - 1)/41602235382028197528613357724450752065089$$

Prime with rank 64906 (12395 digits by c59)

$$(2^{41263} - 1)/(1402943 \cdot 983437775590306674647)$$

Prime with rank 66698 (10763 digits by c64)

$$1258566 \cdot \text{Bern}(4462)/(2231 \cdot 596141126178107 \cdot 4970022131749)$$

Prime with rank 68313 (9010 digits by c8)

$$U(43399)/470400609575881344601538056264109423291827366228494341196421$$

Prime with rank 68382 (8916 digits by c8)

$U(42829)/107130175995197969243646842778153077$   
 Prime with rank 68438 (8835 digits by c59)  
 $(2^{29473} - 1)/(5613392570256862943 \cdot 24876264677503329001)$   
 Prime with rank 69305 (8063 digits by c55)  
 $(2^{26903} - 1)/1113285395642134415541632833178044793$   
 Prime with rank 69420 (7945 digits by c8)  
 $6 \cdot \text{Bern}(3458)/28329084584758278770932715893606309$   
 Prime with rank 69447 (7906 digits by c39)  
 $U(37987)/(16117960073 \cdot 94533840409 \cdot 1202815961509)$   
 Prime with rank 70609 (7239 digits by c8)  
 $U(34807)/551750980997908879677508732866536453$   
 Prime with rank 71243 (7053 digits by c8)  
 $U(33997)/8119544695419968014626314520991088099382355441843013$   
 Prime with rank 71785 (6669 digits by c8)  
 $U(32077)/153087505413829037510511957221947361$   
 Prime with rank 71812 (6637 digits by c8)  
 $6 \cdot \text{Bern}(2974)/19622040971147542470479091157507$   
 Prime with rank 72112 (6425 digits by c8)  
 $V(31547)/2214098083841440850624929865754025869183488666508931309344798233034622782468618422897737576239938$   
 $25502645720726313249552565534024996670996378968020508259098756301$   
 Prime with rank 72390 (6229 digits by c4)  
 $(2^{20887} - 1)/(694257144641 \cdot 3156563122511 \cdot 28533972487913 \cdot 1893804442513836092687)$   
 Prime with rank 72985 (5938 digits by c8)  
 $-E(2202)/53781055550934778283104432814129020709$   
 Prime with rank 73296 (5701 digits by c8)  
 $274386 \cdot \text{Bern}(2622)/8518594882415401157891061256276973722693$   
 Prime with rank 73555 (5521 digits by c8)  
 $U(26591)/1929661069931436974692472737757606381$   
 Prime with rank 73971 (5364 digits by c8)  
 $V(25873)/34396575615094965590217427573609664640790259$   
 Prime with rank 74033 (5354 digits by c63)

$$-30 \cdot \text{Bern}(2504)/(313 \cdot 424524649821233650433 \cdot 117180678030577350578887 \cdot 8016621720796146291948744439)$$

Prime with rank 74142 (5338 digits by c8)

$$V(25763)/92864275685263243511877732271066626563444291249$$

Prime with rank 74223 (5274 digits by c4)

$$(2^{17683} - 1)/(234000819833373807217 \cdot 62265855698776681155719328257)$$

Prime with rank 74240 (5258 digits by c8)

$$-E(1990)/8338208577950624722417016286765473477033741642105671913$$

Prime with rank 74552 (5132 digits by p179)

$$(51803036889 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$$

Prime with rank 75958 (4896 digits by c8)

$$V(23663)/102462573963822806622784417315446994815407287584779$$

Prime with rank 76047 (4812 digits by c4)

$$E(1840)/31237282053878368942060412182384934425$$

Prime with rank 76666 (4498 digits by c4)

$$E(1736)/(55695515 \cdot 75284987831 \cdot 3222089324971117)$$

Prime with rank 76689 (4479 digits by c8)

$$U(21577)/(8626362776257 \cdot 608114436652075009)$$

Prime with rank 76787 (4365 digits by c4)

$$(2^{14621} - 1)/(1958650799081 \cdot 9787919624201558678734079)$$

Prime with rank 77074 (4200 digits by c8)

$$276474 \cdot \text{Bern}(2030)/(19426085 \cdot 24191786327543)$$

Prime with rank 77205 (4099 digits by c8)

$$U(19777)/38707773384498015680717776815690169$$

Prime with rank 77509 (4002 digits by c8)

$$U(19433)/(8200903423639793 \cdot 124790158973035710313 \cdot 163702910239586286961573)$$

Prime with rank 77712 (3734 digits by c8)

$$-197676570 \cdot 18851280661 \cdot \text{Bern}(1836)/(59789 \cdot 3927024469727)$$

Prime with rank 77802 (3708 digits by c4)

$$(2^{12451} - 1)/(4980401 \cdot 15289230353 \cdot 1143390212315192593598809)$$

Prime with rank 77830 (3682 digits by c8)

$$-E(1466)/167900532276654417372106952612534399239$$

Prime with rank 77838 (3671 digits by c4)

$$E(1468)/(95 \cdot 217158949445380764696306893 \cdot 597712879321361736404369071)$$

Prime with rank 79215 (3284 digits by c4)

$$(2^{11117} - 1)/358196436964270608221221853970927519972222557196875442622337153$$

Prime with rank 79233 (3247 digits by c8)

$$V(15907)/2351579891055 \backslash \\ 05688534907917009892725773407652816592568932322486925769136001261$$

Prime with rank 79494 (3030 digits by c4)

$$(2^{10211} - 1)/306772303457009724362047724636324707614338377$$

Prime with rank 79506 (3022 digits by c8)

$$(2^{10169} - 1)/10402314702094700470118039921523041260063$$

Prime with rank 80280 (2979 digits by c8)

$$(2^{10007} - 1)/(14477908246561 \cdot 136255313 \cdot 10368448917257)$$

Prime with rank 80436 (2888 digits by c8)

$$(2^{9697} - 1)/(724126946527 \cdot 19092282046942032847)$$

Prime with rank 80504 (2829 digits by c8)

$$-E(1174)/50550511342697072710795058639332351763$$

Prime with rank 83628 (2276 digits by c4)

$$-2090369190 \cdot \text{Bern}(1236)/(103 \cdot 939551962476779 \cdot 157517441360851951)$$

Prime with rank 85600 (2069 digits by c4)

$$-E(902)/(9756496279 \cdot 314344516832998594237)$$

Prime with rank 89115 (1640 digits by c62)

$$6 \cdot \text{Bern}(998)/(11511758102983 \cdot 55034215982714323 \cdot 70834556505031411 \cdot \\ 38698489087506303607099 \cdot 4712129605357293035277301907 \cdot 362429490639499678761278968817)$$

Prime with rank 90835 (1418 digits by c4)

$$-54570 \cdot \text{Bern}(848)/(428478023 \cdot 5051145078213134269)$$

Prime with rank 91152 (1391 digits by c8)

$$E(676)/878618128969410121818976030235415 \backslash \\ 67004933531313911504892717789158174298202475475590955674162377015$$

Prime with rank 92142 (1343 digits by c4)

$$-E(638)/(7235862947323 \cdot 11411779188663863 \cdot 526900327479624797)$$

Prime with rank 93291 (1311 digits by c4)

$$138 \cdot \text{Bern}(814)/(28409964671 \cdot 335055893 \cdot 351085907 \cdot 520460183 \cdot 30348030379 \cdot 17043083582983)$$

Prime with rank 101270 (1143 digits by c8)

$$E(576)/1035784073998708077865 \backslash \\ 03857073455806041088176158903345179750769398899240791530780628185$$

Prime with rank 105829 (1060 digits by c4)

$$-E(526)/(5062100689 \cdot 71096484738291757946225730043997)$$

### 3 Table of Proof-Codes

Key to Proof-Codes (primality provers):

	<u>code</u>	<u>description</u>
BC	Penk, Buhler, Crandall	
C	Caldwell, Cruncher	
c2	Water, Primo	
c4	Broadhurst, Primo	
c8	Water, Broadhurst, Primo	
c11	Oakes, Primo	
c26	Keiser, OpenPFGW, Primo	
c33	Chaglassian, Primo	
c35	Cami, Primo	
c39	Minovic, OpenPFGW, Primo	
c41	Andersen, Rosenthal, Primo	
c46	Boncompagni, Primo	
c47	Chandler, Primo	
c54	$Wu_T$ , <i>Primo</i>	
c55	Gramolin, Primo	
c56	Soule, Minovic, OpenPFGW, Primo	
c58	Kaiser1, OpenPFGW, NewPGen, Primo	
c59	Metcalfe, OpenPFGW, Primo	
c60	Lemsafer, Primo	
c61	Kaiser1, Broadhurst, OpenPFGW, NewPGen, Primo	
c62	Minovic, TOPS, Primo	
c63	Ritschel, TOPS, Primo	
c64	Metcalfe, Minovic, Ritschel, TOPS, Primo	
c65	Lygeros, Rozier, Primo	
c66	Steine, Primo	
c67	Batalov, OpenPFGW, NewPGen, Primo	
c69	Jacobsen, Primo	
c70	Underwood, Dubner, Primo	
c71	Metcalfe, Ritschel, Andersen, TOPS, Primo	
c72	Deloche, Lygeros, Rozier, Primo	
c73	Lifchitz, Underwood, Primo	
CD	Dubner, Caldwell, Cruncher	
CH1	Soule, Minovic, CHG, Primo, OpenPFGW	
CH2	$Wu_T$ , <i>CHG</i> , <i>Primo</i> , <i>OpenPFGW</i>	
CH3	Water, Broadhurst, CHG, Primo, OpenPFGW	
CH4	Irvine, Water, Broadhurst, CHG, Primo, OpenPFGW	
CH6	Steward, CHG, Primo, OpenPFGW	
CH7	Broadhurst, CHG, OpenPFGW	
D	Dubner, Cruncher	
DK	Dubner, Keller, Cruncher	
DS	Smith <sub>Darren</sub> , <i>Proth.exe</i>	
FE1	Morain, FastECPP	
FE5	Luhn, Morain, FastECPP	
FE8	Oakes, Morain, Water, Broadhurst, FastECPP	
FE9	Morain, Water, Broadhurst, FastECPP	
g0	Gallot, <i>Proth.exe</i>	
g1	Caldwell, <i>Proth.exe</i>	



	code	description
G1	Armengaud,	GIMPS, Prime95
G2	Spence,	GIMPS, Prime95
G3	Clarkson, Kurowski,	GIMPS, Prime95
G4	Hajratwala, Kurowski,	GIMPS, Prime95
G5	Cameron, Kurowski,	GIMPS, Prime95
G6	Shafer,	GIMPS, Prime95
G7	Findley <sub>J</sub> ,	GIMPS, Prime95
G8	Nowak,	GIMPS, Prime95
G9	Boone, Cooper,	GIMPS, Prime95
G10	Smith <sub>E</sub> ,	GIMPS, Prime95
G11	Elvenich,	GIMPS, Prime95
G12	Strindmo,	GIMPS, Prime95
G13	Cooper,	GIMPS, Prime95
g23	Ballinger,	Proth.exe
g25	OHare,	Proth.exe
g55	Toplic,	Proth.exe
g59	Linton,	Proth.exe
g103	DallOsto,	Proth.exe
g122	Nohara,	Proth.exe
g124	Crickman,	Proth.exe
g157	Loeh,	Proth.exe
g182	McElhatton,	Proth.exe
g196	Odermatt,	Proth.exe
g197	Muischnek,	Proth.exe
g236	Heuer, GFNSearch, GFN17Sieve,	Proth.exe
g245	Cosgrave, PRP, NewPGen,	Proth.exe
g246	Choliy,	Proth.exe
g259	Papp,	Proth.exe
g260	AYENI,	Proth.exe
g262	Kapek,	Proth.exe
g266	Hagel,	Proth.exe
g267	Grobstich, PRP, NewPGen,	Proth.exe
g277	Eaton, PRP, NewPGen,	Proth.exe
g279	Cooper, PRP, NewPGen,	Proth.exe
g294	Underbakke, TwinGen, PRP,	Proth.exe
g295	Underbakke, AthGFNSieve,	Proth.exe
g299	Dowd, Scott,	Proth.exe
g300	Zilmer,	Proth.exe
g305	Berg2,	Proth.exe
g308	Angel, GFNSearch, GFN17Sieve,	Proth.exe
g336	Tornberg, PRP, NewPGen,	Proth.exe
g337	Hsieh, PRP, NewPGen,	Proth.exe
g346	Dausch, ProthSieve, PRP, PrimeSierpinski,	Proth.exe
g387	Muzik,	Proth.exe
g403	Yoshimura, ProthSieve, LLR, PrimeSierpinski,	Proth.exe
g404	Taniguchi,	Proth.exe
g407	HermleGC, MultiSieve, PRP,	Proth.exe
g410	Anonymous, AthGFNSieve, GFNSearch, GFN16Sieve,	Proth.exe
g411	Brittenham, PRP, NewPGen,	Proth.exe
g413	Scott, AthGFNSieve,	Proth.exe

code	description
g414	Gilvey, Srsieve, LLR, PrimeGrid, PrimeSierpinski, Proth.exe
g418	Taura, PRP, NewPGen, Proth.exe
g424	Broadhurst, OpenPFGW, NewPGen, Proth.exe
g425	Buechel, Keller, Broadhurst, PRP, OpenPFGW, Proth.exe
g426	Nemeth, OpenPFGW, NewPGen, Proth.exe
g428	Peets, OpenPFGW, NewPGen, Proth.exe
g429	Underbakke, GenefX64, AthGFNSieve, PrimeGrid, Proth.exe
GC1	Angel, GFNSearch, GFN16Sieve, Proth.exe
GC2	Hluchan, GFNSearch, GFN16Sieve, Proth.exe
GF0	Gallot, GFNSearch, Proth.exe, GFNSieve
GF2	Heuer, GFNSearch, Proth.exe, GFNSieve
GF3	Penrose, GFNSearch, Proth.exe, GFNSieve
gm	Morii, Proth.exe
gt	Taura, Proth.exe
K	Keller
L2	Penne, NewPGen, LLR
L4	Sun, NewPGen, LLR
L10	Ritschel, NewPGen, LLR
L30	Ritschel, NewPGen, 321search, LLR
L47	Bishop <sub>D</sub> , <i>ProthSieve</i> , <i>RieselSieve</i> , LLR
L49	Stolz, ProthSieve, RieselSieve, LLR
L51	Hedges, PRP, NewPGen, LLR
L53	Zaveri, ProthSieve, PRP, RieselSieve, LLR
L62	Ewing, NewPGen, 12121search, LLR
L65	Clowes, NewPGen, 12121search, LLR
L73	Wallace, ProthSieve, NewPGen, RieselSieve, LLR
L77	Depereyra, 321search, LLR
L93	Sefko, ProthSieve, RieselSieve, LLR
L95	Urushi, LLR
L99	Underbakke, TwinGen, LLR
L100	Minovic, TwinGen, LLR
L101	Aggarwal, ProthSieve, PrimeSierpinski, LLR
L105	Hoof, ProthSieve, RieselSieve, LLR
L109	Nair, NewPGen, LLR
L111	Fisher, ProthSieve, RieselSieve, LLR
L113	Chatfield, NewPGen, LLR
L121	Benson, Srsieve, Rieselprime, LLR
L124	Rodenkirch, MultiSieve, LLR
L129	Snyder, LLR
L134	Childers, ProthSieve, RieselSieve, LLR
L137	Jaworski, Rieselprime, LLR
L139	Metcalfe, NewPGen, Rieselprime, LLR
L145	Minovic, Ksieve, NewPGen, Rieselprime, LLR
L153	Eckhard, LLR
L158	Underwood, NewPGen, 321search, LLR
L160	Wong, ProthSieve, RieselSieve, LLR
L162	Banka, NewPGen, 12121search, LLR
L163	Ritschel, NewPGen, Rieselprime, LLR
L165	Keiser, OpenPFGW, NewPGen, LLR
L167	Curtis, NewPGen, Rieselprime, LLR

	<u>code</u>	<u>description</u>
L170		Crosa, LLR
L172		Smith, ProthSieve, RieselSieve, LLR
L175		Duggan, ProthSieve, RieselSieve, LLR
L177		Kwok, Rieselprime, LLR
L179		White, ProthSieve, RieselSieve, LLR
L181		Siegert, LLR
L185		Hassler, NewPGen, LLR
L191		Banka, NewPGen, LLR
L192		Jaworski, LLR
L193		Rosink, ProthSieve, RieselSieve, LLR
L197		DaltonJ, ProthSieve, RieselSieve, LLR
L201		Siemelink, LLR
L202		Vautier, McKibbon, Gribenko, NewPGen, PrimeGrid, TPS, LLR
L217		Lehmann, Rieselprime, LLR
L251		Burt, NewPGen, Rieselprime, LLR
L256		Underwood, Srsieve, NewPGen, 321search, LLR
L257		Ritschel, Srsieve, Rieselprime, LLR
L259		Schwieger, NewPGen, PrimeGrid, TPS, LLR
L260		Soule, Srsieve, Rieselprime, LLR
L268		Metcalf, Srsieve, Rieselprime, LLR
L282		Curtis, Srsieve, Rieselprime, LLR
L321		Broadhurst, OpenPFGW, NewPGen, LLR
L323		Minovic, Srsieve, NewPGen, Rieselprime, LLR
L324		Doorn, NewPGen, PrimeGrid, TPS, LLR
L327		Ziersch, NewPGen, PrimeGrid, TPS, LLR
L330		Tjung, Srsieve, Rieselprime, LLR
L333		Jogibhai, NewPGen, PrimeGrid, TPS, LLR
L339		Vandenberg, NewPGen, PrimeGrid, TPS, LLR
L341		Kaehler, NewPGen, PrimeGrid, TPS, LLR
L346		Moreno <sub>A</sub> , <i>NewPGen, PrimeGrid, TPS, LLR</i>
L350		Laurijssens, NewPGen, PrimeGrid, TPS, LLR
L375		Brazier, NewPGen, PrimeGrid, TPS, LLR
L376		DUrso, NewPGen, PrimeGrid, TPS, LLR
L381		Mate, Siemelink, Rodenkirch, MultiSieve, LLR
L384		Pinho, Srsieve, Rieselprime, LLR
L391		Rodenkirch, Srsieve, LLR
L421		Bonath, Srsieve, Rieselprime, LLR
L426		Jaworski, Srsieve, Rieselprime, LLR
L436		Andersen2, Gcwsieve, MultiSieve, PrimeGrid, LLR
L446		Saridis, NewPGen, Proth.exe, LLR
L447		Kohlman, Gcwsieve, MultiSieve, PrimeGrid, LLR
L466		Zhou, NewPGen, LLR
L478		Sutton1, Goforth, Srsieve, Rieselprime, LLR
L486		Goforth, Curtis, Srsieve, Rieselprime, LLR
L503		Benson, Srsieve, LLR
L521		Thompson1, Gcwsieve, MultiSieve, PrimeGrid, LLR
L527		Tornberg, TwinGen, LLR
L536		Bonath, Srsieve, NPLB, LLR
L545		AndersonM, NewPGen, Rieselprime, LLR
L579		Sorbera, Srsieve, NPLB, LLR

	<u>code</u>	<u>description</u>
L587	Dettweiler, Srsieve,	CRUS, LLR
L591	Penne, Srsieve,	CRUS, LLR
L596	Vogel, TwinGen,	PrimeGrid, LLR
L606	Bennett, Srsieve, NewPGen,	PrimeGrid, 321search, LLR
L613	Keogh, Srsieve, ProthSieve,	RieselSieve, LLR
L621	Sutton1, Srsieve,	Rieselprime, LLR
L622	Cardall, Srsieve, ProthSieve,	RieselSieve, LLR
L623	Jaworski, Srsieve,	NPLB, LLR
L632	Stokkedalen, Rieselprime,	LLR
L635	Vogel, Srsieve,	PrimeGrid, LLR
L644	Gunn, Srsieve,	NPLB, LLR
L645	Luhn,	LLR
L651	Courty, Srsieve,	PrimeGrid, LLR
L656	Yama, Srsieve,	PrimeGrid, LLR
L667	Riesen, NewPGen,	LLR
L668	Ueda, Srsieve,	PrimeGrid, LLR
L669	Harvey, Srsieve,	PrimeGrid, LLR
L679	Foody, Srsieve,	PrimeGrid, LLR
L689	Brown1, Srsieve,	PrimeGrid, LLR
L690	Cholt, Srsieve,	PrimeGrid, LLR
L732	Embling, Srsieve,	PrimeGrid, LLR
L753	Wolfram, Srsieve,	PrimeGrid, LLR
L764	Ewing, Srsieve,	PrimeGrid, LLR
L780	Brady, Srsieve,	PrimeGrid, LLR
L801	Gesker, Gcwsieve,	MultiSieve, PrimeGrid, LLR
L840	Vogel, Srsieve,	Rieselprime, LLR
L860	Burt, Srsieve,	FreeDCPrimeSearch, LLR
L895	Dinkel, Srsieve,	LLR
L917	Bergman1, Gcwsieve,	MultiSieve, PrimeGrid, LLR
L923	Kaiser1, Klahn, NewPGen,	PrimeGrid, TPS, SunGard, LLR
L927	Brown1, TwinGen,	PrimeGrid, LLR
L934	Desmond, TwinGen,	PrimeGrid, LLR
L941	Silva, TwinGen,	PrimeGrid, LLR
L955	Domanov1, TwinGen,	PrimeGrid, LLR
L957	Rawlins, TwinGen,	PrimeGrid, LLR
L958	Schoefer, TwinGen,	PrimeGrid, LLR
L967	Courty, TwinGen,	PrimeGrid, LLR
L975	Hnizdil, TwinGen,	PrimeGrid, LLR
L983	Wu <sub>T</sub> ,	LLR
L986	Chamouleau, TwinGen,	PrimeGrid, LLR
L989	Cavecchia, TwinGen,	PrimeGrid, LLR
L990	Uehara1, TwinGen,	PrimeGrid, LLR
L992	Vandaele, TwinGen,	PrimeGrid, LLR
L1001	McElvain, TwinGen,	PrimeGrid, LLR
L1008	Fries, TwinGen,	PrimeGrid, LLR
L1016	Hartel, Srsieve,	PrimeGrid, LLR
L1065	Gockel, Srsieve,	PrimeGrid, LLR
L1115	Splain, PSieve, Srsieve,	PrimeGrid, LLR
L1121	VanGorp, PSieve, Srsieve,	PrimeGrid, LLR
L1122	Parker, PSieve, Srsieve,	PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L1125		Laluk, PSieve, Srsieve, PrimeGrid, LLR
L1126		Morris, TwinGen, PrimeGrid, LLR
L1129		Slomma, PSieve, Srsieve, PrimeGrid, LLR
L1130		Adolfsson, PSieve, Srsieve, PrimeGrid, LLR
L1132		Rickard, PSieve, Srsieve, PrimeGrid, LLR
L1134		Ogawa, Srsieve, NewPGen, LLR
L1135		Frith, PSieve, Srsieve, PrimeGrid, LLR
L1137		Brown5, PSieve, Srsieve, PrimeGrid, LLR
L1139		Harvey1, PSieve, Srsieve, PrimeGrid, LLR
L1149		Gallagher, PSieve, Srsieve, PrimeGrid, LLR
L1153		Kaiser1, Srsieve, PrimeGrid, 12121search, LLR
L1158		Vogel, PSieve, Srsieve, PrimeGrid, LLR
L1160		Sunderland, PSieve, Srsieve, PrimeGrid, LLR
L1167		Chambers, PSieve, Srsieve, PrimeGrid, LLR
L1183		Gaster, TwinGen, PrimeGrid, LLR
L1186		Richard1, PSieve, Srsieve, PrimeGrid, LLR
L1201		Carpenter1, PSieve, Srsieve, PrimeGrid, LLR
L1204		Brown1, PSieve, Srsieve, PrimeGrid, LLR
L1207		Storch, PSieve, Srsieve, PrimeGrid, LLR
L1209		Wong, PSieve, Srsieve, PrimeGrid, LLR
L1210		Rhodes, PSieve, Srsieve, PrimeGrid, LLR
L1214		Patterson, PSieve, Srsieve, PrimeGrid, LLR
L1218		Winslow, PSieve, Srsieve, PrimeGrid, LLR
L1219		Ohyanagi1, TwinGen, PrimeGrid, LLR
L1223		Courty, PSieve, Srsieve, PrimeGrid, LLR
L1224		Domanov1, PSieve, Srsieve, PrimeGrid, LLR
L1229		Gordon1, PSieve, Srsieve, PrimeGrid, LLR
L1230		Yooil1, PSieve, Srsieve, PrimeGrid, LLR
L1286		Scullin, TwinGen, PrimeGrid, LLR
L1300		Yama, PSieve, Srsieve, PrimeGrid, LLR
L1303		Koval, PSieve, Srsieve, PrimeGrid, LLR
L1312		Nye, PSieve, Srsieve, PrimeGrid, LLR
L1319		Cholt, TwinGen, PrimeGrid, LLR
L1331		Shen, PSieve, Srsieve, PrimeGrid, LLR
L1336		Burt, PSieve, Srsieve, PrimeGrid, LLR
L1344		Kobara, PSieve, Srsieve, PrimeGrid, LLR
L1349		Wallace, Srsieve, NewPGen, PrimeGrid, LLR
L1353		Mumper, Srsieve, PrimeGrid, LLR
L1354		Vynogradov, PSieve, Srsieve, PrimeGrid, LLR
L1356		Gockel, PSieve, Srsieve, PrimeGrid, LLR
L1357		Schulz1, PSieve, Srsieve, PrimeGrid, LLR
L1360		Tatterson, PSieve, Srsieve, PrimeGrid, LLR
L1371		AhKit, PSieve, Srsieve, PrimeGrid, LLR
L1379		Uehara1, PSieve, Srsieve, PrimeGrid, LLR
L1387		Anonymous, PSieve, Srsieve, PrimeGrid, LLR
L1391		Shriner, TwinGen, PrimeGrid, LLR
L1403		Andrews1, PSieve, Srsieve, PrimeGrid, LLR
L1408		Emery, PSieve, Srsieve, PrimeGrid, LLR
L1413		Morton, PSieve, Srsieve, PrimeGrid, LLR
L1415		Englund, PSieve, <u>Srsieve</u> , PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L1422	Steichen, PSieve, Srsieve, PrimeGrid, LLR	
L1430	Schwieger, TwinGen, PrimeGrid, LLR	
L1433	Webster, TwinGen, PrimeGrid, LLR	
L1446	Harvey, PSieve, Srsieve, PrimeGrid, LLR	
L1455	Heikkila, PSieve, Srsieve, PrimeGrid, LLR	
L1456	Webster, PSieve, Srsieve, PrimeGrid, LLR	
L1460	Salah, Srsieve, PrimeGrid, PrimeSierpinski, LLR	
L1471	Gunn, Srsieve, CRUS, LLR	
L1477	Singsoe, PSieve, Srsieve, PrimeGrid, LLR	
L1479	Schori, PSieve, Srsieve, PrimeGrid, LLR	
L1480	Goudie, PSieve, Srsieve, PrimeGrid, LLR	
L1484	Morris, PSieve, Srsieve, PrimeGrid, LLR	
L1487	Krompolc, PSieve, Srsieve, PrimeGrid, LLR	
L1492	Eiterig, PSieve, Srsieve, PrimeGrid, LLR	
L1498	Goral, PSieve, Srsieve, PrimeGrid, LLR	
L1500	Melvold, PSieve, Srsieve, PrimeGrid, LLR	
L1502	Champ, PSieve, Srsieve, PrimeGrid, LLR	
L1503	Goldman, PSieve, Srsieve, PrimeGrid, LLR	
L1505	Watanabe, PSieve, Srsieve, PrimeGrid, LLR	
L1509	Wallin, PSieve, Srsieve, PrimeGrid, LLR	
L1512	Obara, PSieve, Srsieve, PrimeGrid, LLR	
L1513	Miller1, PSieve, Srsieve, PrimeGrid, LLR	
L1519	Castigliola, PSieve, Srsieve, PrimeGrid, LLR	
L1524	Bohl, PSieve, Srsieve, PrimeGrid, LLR	
L1530	Becker1, PSieve, Srsieve, PrimeGrid, LLR	
L1533	Heinicken, PSieve, Srsieve, PrimeGrid, LLR	
L1546	Franke1, PSieve, Srsieve, PrimeGrid, LLR	
L1554	Melcher, PSieve, Srsieve, PrimeGrid, LLR	
L1555	Walczak, PSieve, Srsieve, PrimeGrid, LLR	
L1562	Myllyvirta, PSieve, Srsieve, PrimeGrid, LLR	
L1563	Winskill1, TwinGen, PrimeGrid, LLR	
L1566	Watanabe, TwinGen, PrimeGrid, LLR	
L1568	Pyke, PSieve, Srsieve, PrimeGrid, LLR	
L1576	Craig, PSieve, Srsieve, PrimeGrid, LLR	
L1584	ODonnell, PSieve, Srsieve, PrimeGrid, LLR	
L1587	Andrews1, TwinGen, PrimeGrid, LLR	
L1588	Chambers, TwinGen, PrimeGrid, LLR	
L1589	Myllyvirta, TwinGen, PrimeGrid, LLR	
L1591	Tatterson, TwinGen, PrimeGrid, LLR	
L1595	Cilliers, PSieve, Srsieve, PrimeGrid, LLR	
L1603	Fukui, TwinGen, PrimeGrid, LLR	
L1617	Seager, TwinGen, PrimeGrid, LLR	
L1633	Gott, TwinGen, PrimeGrid, LLR	
L1637	Baerwolf, TwinGen, PrimeGrid, LLR	
L1661	Mitchell1, TwinGen, PrimeGrid, LLR	
L1675	Schwieger, PSieve, Srsieve, PrimeGrid, LLR	
L1683	Shen, TwinGen, PrimeGrid, LLR	
L1684	Lovov, TwinGen, PrimeGrid, LLR	
L1689	Willig, PSieve, Srsieve, PrimeGrid, LLR	
L1695	Emery, TwinGen, PrimeGrid, LLR	

	<u>code</u>	<u>description</u>
L1697		Lachance, TwinGen, PrimeGrid, LLR
L1704		Romelard, TwinGen, PrimeGrid, LLR
L1706		Brand, TwinGen, PrimeGrid, LLR
L1709		Rickard, TwinGen, PrimeGrid, LLR
L1726		Padgett, TwinGen, PrimeGrid, LLR
L1728		Gasewicz, PSieve, Srsieve, PrimeGrid, LLR
L1733		Murphy, PSieve, Srsieve, PrimeGrid, LLR
L1741		Granowski, PSieve, Srsieve, PrimeGrid, LLR
L1745		Cholt, PSieve, Srsieve, PrimeGrid, LLR
L1751		Eckhard, Srsieve, PrimeGrid, LLR
L1753		Iwasaki, PSieve, Srsieve, PrimeGrid, LLR
L1761		Dhuyvetters, PSieve, Srsieve, PrimeGrid, LLR
L1774		Schoefer, PSieve, Srsieve, PrimeGrid, LLR
L1776		Hittle, PSieve, Srsieve, PrimeGrid, LLR
L1780		Ming, PSieve, Srsieve, PrimeGrid, LLR
L1792		Tang, PSieve, Srsieve, PrimeGrid, LLR
L1793		Corsello, PSieve, Srsieve, PrimeGrid, LLR
L1806		Hoegger, PSieve, Srsieve, PrimeGrid, LLR
L1809		Vogel, PSieve, Srsieve, NPLB, LLR
L1814		Melvold, TwinGen, PrimeGrid, LLR
L1815		Lody, PSieve, Srsieve, NPLB, LLR
L1816		Davies, PSieve, Srsieve, NPLB, LLR
L1817		Barnes, PSieve, Srsieve, NPLB, LLR
L1818		Khadjiyev, PSieve, Srsieve, PrimeGrid, LLR
L1819		Gunn, PSieve, Srsieve, NPLB, LLR
L1823		Larsson, PSieve, Srsieve, PrimeGrid, LLR
L1827		Chatfield, PSieve, Srsieve, NPLB, LLR
L1828		Benson, PSieve, Srsieve, Rieselprime, LLR
L1830		Bonath, PSieve, Srsieve, NPLB, LLR
L1842		Ohlsson, PSieve, Srsieve, PrimeGrid, LLR
L1844		Krauss, TwinGen, PrimeGrid, LLR
L1847		Liu1, PSieve, Srsieve, PrimeGrid, LLR
L1862		Curtis, PSieve, Srsieve, Rieselprime, LLR
L1863		Wozny, PSieve, Srsieve, Rieselprime, LLR
L1866		Cilliers, TwinGen, PrimeGrid, LLR
L1878		Gordon1, TwinGen, PrimeGrid, LLR
L1884		Jaworski, PSieve, Srsieve, Rieselprime, LLR
L1885		Ostaszewski, PSieve, Srsieve, PrimeGrid, LLR
L1920		Iwasaki, TwinGen, PrimeGrid, LLR
L1921		Winslow, TwinGen, PrimeGrid, LLR
L1929		Kennedy1, TwinGen, PrimeGrid, LLR
L1933		Ingram, PSieve, Srsieve, PrimeGrid, LLR
L1934		Schmidt, PSieve, Srsieve, PrimeGrid, LLR
L1935		Channing, PSieve, Srsieve, PrimeGrid, LLR
L1940		Shaw1, PSieve, Srsieve, PrimeGrid, LLR
L1945		Clark2, TwinGen, PrimeGrid, LLR
L1948		Miller1, TwinGen, PrimeGrid, LLR
L1949		Pritchard, Srsieve, PrimeGrid, RieselSieve, LLR
L1953		Reynolds1, TwinGen, PrimeGrid, LLR
L1957		Hemsley, PSieve, <u>Srsieve</u> , PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L1958	DUrso, Srsieve, OpenPFGW, NewPGen, LLR	
L1959	Metcalfe, PSieve, Srsieve, Rieselprime, LLR	
L1972	Jarrett, PSieve, Srsieve, PrimeGrid, LLR	
L1973	Burt, PSieve, Srsieve, FreeDCPrimeSearch, LLR	
L1978	Chu, PSieve, Srsieve, NPLB, LLR	
L1980	Mueller3, PSieve, Srsieve, PrimeGrid, LLR	
L1982	Lang, PSieve, Srsieve, PrimeGrid, LLR	
L1983	Safford, PSieve, Srsieve, PrimeGrid, LLR	
L1990	Makowski, PSieve, Srsieve, PrimeGrid, LLR	
L1991	Shaw, PSieve, Srsieve, PrimeGrid, LLR	
L1992	Ostaszewski, TwinGen, PrimeGrid, LLR	
L1994	Steichen, TwinGen, PrimeGrid, LLR	
L1999	Obermeyer, PSieve, Srsieve, PrimeGrid, LLR	
L2002	Gramolin, NewPGen, LLR	
L2012	Pedersen <sub>K</sub> , <i>Srsieve</i> , <i>OpenPFGW</i> , <i>CRUS</i> , <i>LLR</i>	
L2019	Wood <sub>D</sub> , <i>PSieve</i> , <i>Srsieve</i> , <i>PrimeGrid</i> , <i>LLR</i>	
L2028	Klein, PSieve, Srsieve, NPLB, LLR	
L2030	Tonner, PSieve, Srsieve, PrimeGrid, LLR	
L2035	Greer, TwinGen, PrimeGrid, LLR	
L2038	Siegert, PSieve, Srsieve, PrimeGrid, LLR	
L2046	Melvold, Srsieve, PrimeGrid, LLR	
L2047	Stevens, PSieve, Srsieve, NPLB, LLR	
L2048	Chadwick, PSieve, Srsieve, PrimeGrid, LLR	
L2050	Kaiser1, Srsieve, PrimeGrid, SierpinskiRiesel, LLR	
L2051	Reich, PSieve, Srsieve, PrimeGrid, LLR	
L2054	Kaiser1, Srsieve, CRUS, LLR	
L2055	Soule, PSieve, Srsieve, Rieselprime, LLR	
L2058	Sas, PSieve, Srsieve, PrimeGrid, LLR	
L2062	Satou, PSieve, Srsieve, PrimeGrid, LLR	
L2064	Belougourov, PSieve, Srsieve, PrimeGrid, LLR	
L2066	Harste, PSieve, Srsieve, PrimeGrid, LLR	
L2070	Schemmel, PSieve, Srsieve, PrimeGrid, LLR	
L2074	Minovic, PSieve, Srsieve, Rieselprime, LLR	
L2078	Dahlman, TwinGen, PrimeGrid, LLR	
L2080	Schick, PSieve, Srsieve, PrimeGrid, LLR	
L2083	Yamamura, TwinGen, PrimeGrid, LLR	
L2085	Dodson1, PSieve, Srsieve, PrimeGrid, LLR	
L2090	Craig, TwinGen, PrimeGrid, LLR	
L2093	McNeill, PSieve, Srsieve, PrimeGrid, LLR	
L2100	Christensen, PSieve, Srsieve, PrimeGrid, LLR	
L2101	Tutusaus, PSieve, Srsieve, Rieselprime, LLR	
L2103	Schmidt1, PSieve, Srsieve, PrimeGrid, LLR	
L2107	Hebr, PSieve, Srsieve, PrimeGrid, LLR	
L2110	Sattler, PSieve, Srsieve, PrimeGrid, LLR	
L2117	Karlsteen, PSieve, Srsieve, PrimeGrid, LLR	
L2121	VanRangelrooij, PSieve, Srsieve, PrimeGrid, LLR	
L2122	Megele, PSieve, Srsieve, PrimeGrid, LLR	
L2125	Greer, PSieve, Srsieve, PrimeGrid, LLR	
L2126	Senftleben, PSieve, Srsieve, PrimeGrid, LLR	
L2127	Scherbakov, PSieve, Srsieve, PrimeGrid, LLR	



	<u>code</u>	<u>description</u>
L2131	Johnson4,	PSieve, Srsieve, PrimeGrid, LLR
L2133	VanRangelrooij,	TwinGen, PrimeGrid, LLR
L2137	Hayashi1,	PSieve, Srsieve, PrimeGrid, LLR
L2139	Hagerty,	PSieve, Srsieve, PrimeGrid, LLR
L2142	Hajek,	PSieve, Srsieve, PrimeGrid, LLR
L2152	Aoyama,	TwinGen, PrimeGrid, LLR
L2163	VanRooijen1,	PSieve, Srsieve, PrimeGrid, LLR
L2164	Dodson1,	TwinGen, PrimeGrid, LLR
L2165	Bohl,	TwinGen, PrimeGrid, LLR
L2167	Miyakoshi,	PSieve, Srsieve, PrimeGrid, LLR
L2168	Butler,	PSieve, Srsieve, PrimeGrid, LLR
L2169	Michaud,	PSieve, Srsieve, PrimeGrid, LLR
L2194	Chadwick,	TwinGen, PrimeGrid, LLR
L2197	Herman,	TwinGen, PrimeGrid, LLR
L2204	Parker1,	TwinGen, PrimeGrid, LLR
L2231	Martinik,	TwinGen, PrimeGrid, LLR
L2233	Herder,	Srsieve, PrimeGrid, LLR
L2235	Mullage,	PSieve, Srsieve, NPLB, LLR
L2241	Wintrip,	PSieve, Srsieve, PrimeGrid, LLR
L2249	Tikkenei1,	TwinGen, PrimeGrid, LLR
L2250	Hebr,	TwinGen, PrimeGrid, LLR
L2257	Dettweiler,	PSieve, Srsieve, NPLB, LLR
L2264	Hoffman,	TwinGen, PrimeGrid, LLR
L2265	Miyakoshi,	TwinGen, PrimeGrid, LLR
L2269	Schori,	Srsieve, PrimeGrid, LLR
L2279	Millerick,	PSieve, Srsieve, PrimeGrid, LLR
L2283	Eiterig,	TwinGen, PrimeGrid, LLR
L2287	Schori,	TwinGen, PrimeGrid, LLR
L2320	Englehard,	TwinGen, PrimeGrid, LLR
L2322	Szafranski,	PSieve, Srsieve, PrimeGrid, LLR
L2327	Oh,	PSieve, Srsieve, PrimeGrid, LLR
L2332	Prough,	TwinGen, PrimeGrid, LLR
L2338	Burt,	PSieve, Srsieve, Rieselprime, LLR
L2340	Brovarets,	TwinGen, PrimeGrid, LLR
L2342	Marafuga,	Srsieve, SierpinskiRiesel, LLR
L2345	Boerner,	TwinGen, PrimeGrid, LLR
L2352	Doom,	PSieve, Srsieve, PrimeGrid, LLR
L2354	Sheridan,	TwinGen, PrimeGrid, LLR
L2360	Vazquez,	TwinGen, PrimeGrid, LLR
L2366	Satoh,	PSieve, Srsieve, PrimeGrid, LLR
L2368	Telegd,	TwinGen, PrimeGrid, LLR
L2371	Luszczek,	Srsieve, PrimeGrid, LLR
L2373	Tarasov1,	Srsieve, PrimeGrid, LLR
L2375	Manz,	PSieve, Srsieve, PrimeGrid, LLR
L2379	Doom,	TwinGen, PrimeGrid, LLR
L2382	Matillek,	TwinGen, PrimeGrid, LLR
L2393	Schulz1,	TwinGen, PrimeGrid, LLR
L2399	Bouch,	PSieve, Srsieve, PrimeGrid, LLR
L2405	Niermann,	TwinGen, PrimeGrid, LLR
L2407	Sas,	TwinGen, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L2408	Reinman, Srsieve,	<u>PrimeGrid, LLR</u>
L2410	Smukler, PSieve, Srsieve,	PrimeGrid, LLR
L2412	Ahn, PSieve, Srsieve,	PrimeGrid, LLR
L2413	Blyth, PSieve, Srsieve,	PrimeGrid, LLR
L2414	Carper, TwinGen,	PrimeGrid, LLR
L2419	Gathright, PSieve, Srsieve,	PrimeGrid, LLR
L2420	Hemsley, TwinGen,	PrimeGrid, LLR
L2423	Nose, TwinGen,	PrimeGrid, LLR
L2425	DallOsto,	LLR
L2429	Bliedung, TwinGen,	PrimeGrid, LLR
L2430	Hayase, TwinGen,	PrimeGrid, LLR
L2432	Sutton1, PSieve, Srsieve,	Rieselprime, LLR
L2435	Michaud, TwinGen,	PrimeGrid, LLR
L2436	Janssens, TwinGen,	PrimeGrid, LLR
L2438	Tonner, TwinGen,	PrimeGrid, LLR
L2444	Batalov, PSieve, Srsieve,	Rieselprime, LLR
L2447	Chagas, PSieve, Srsieve,	PrimeGrid, LLR
L2449	Satoh, TwinGen,	PrimeGrid, LLR
L2450	Droniou, TwinGen,	PrimeGrid, LLR
L2453	Bogachov, PSieve, Srsieve,	PrimeGrid, LLR
L2454	Koscak, PSieve, Srsieve,	PrimeGrid, LLR
L2457	Zhuravlev, TwinGen,	PrimeGrid, LLR
L2472	Berker, TwinGen,	PrimeGrid, LLR
L2478	VanRooijen1, TwinGen,	PrimeGrid, LLR
L2482	Reber, TwinGen,	PrimeGrid, LLR
L2483	McPherson, TwinGen,	PrimeGrid, LLR
L2484	Ritschel, PSieve, Srsieve,	Rieselprime, LLR
L2487	Liao, PSieve, Srsieve,	PrimeGrid, LLR
L2494	Javtokas, PSieve, Srsieve,	PrimeGrid, LLR
L2496	Ji, TwinGen,	PrimeGrid, LLR
L2503	Zhan1, PSieve, Srsieve,	PrimeGrid, LLR
L2504	Corsello, TwinGen,	PrimeGrid, LLR
L2507	Geis, PSieve, Srsieve,	PrimeGrid, LLR
L2511	Johnson6, TwinGen,	PrimeGrid, LLR
L2512	AverayJones, TwinGen,	PrimeGrid, LLR
L2513	Ilves, TwinGen,	PrimeGrid, LLR
L2516	Koschewski, PSieve, Srsieve,	PrimeGrid, LLR
L2517	McPherson, PSieve, Srsieve,	PrimeGrid, LLR
L2518	Karevik, PSieve, Srsieve,	PrimeGrid, LLR
L2519	Schmidt2, PSieve, Srsieve,	NPLB, LLR
L2520	Mamanakis, PSieve, Srsieve,	PrimeGrid, LLR
L2521	Matillek, PSieve, Srsieve,	PrimeGrid, LLR
L2522	Foody, PSieve, Srsieve,	PrimeGrid, LLR
L2525	Bliedung, PSieve, Srsieve,	PrimeGrid, LLR
L2526	Martinik, PSieve, Srsieve,	PrimeGrid, LLR
L2527	DUrso, TwinGen,	PrimeGrid, LLR
L2531	Sasahara, PSieve, Srsieve,	PrimeGrid, LLR
L2532	Papp2, PSieve, Srsieve,	PrimeGrid, LLR
L2533	Yoshikawa, PSieve, Srsieve,	PrimeGrid, LLR
L2539	Gielkens, PSieve, Srsieve,	<u>PrimeGrid, LLR</u>

	<u>code</u>	<u>description</u>
L2540		Bourghol, PSieve, Srsieve, PrimeGrid, LLR
L2542		Appenzeller, PSieve, Srsieve, PrimeGrid, LLR
L2543		Hartel, PSieve, Srsieve, PrimeGrid, LLR
L2544		Tarasov1, PSieve, Srsieve, PrimeGrid, LLR
L2545		Nose, PSieve, Srsieve, PrimeGrid, LLR
L2549		McKay, PSieve, Srsieve, PrimeGrid, LLR
L2550		GurneyChampion, PSieve, Srsieve, PrimeGrid, LLR
L2551		HinWai, PSieve, Srsieve, PrimeGrid, LLR
L2557		Clark3, PSieve, Srsieve, PrimeGrid, LLR
L2560		Grube, PSieve, Srsieve, PrimeGrid, LLR
L2561		Vinklart, PSieve, Srsieve, PrimeGrid, LLR
L2562		Jones3, PSieve, Srsieve, PrimeGrid, LLR
L2573		McKay, TwinGen, PrimeGrid, LLR
L2576		Tyler, TwinGen, PrimeGrid, LLR
L2577		Tomanski, TwinGen, PrimeGrid, LLR
L2583		Nakamura, PSieve, Srsieve, PrimeGrid, LLR
L2592		Watanabe1, TwinGen, PrimeGrid, LLR
L2593		Johnson6, PSieve, Srsieve, PrimeGrid, LLR
L2594		Sheridan, PSieve, Srsieve, PrimeGrid, LLR
L2595		Out, TwinGen, PrimeGrid, LLR
L2600		Phillips, TwinGen, PrimeGrid, LLR
L2601		Paul, TwinGen, PrimeGrid, LLR
L2603		Hoffman, PSieve, Srsieve, PrimeGrid, LLR
L2604		Nobis, PSieve, Srsieve, PrimeGrid, LLR
L2606		Slakans, PSieve, Srsieve, PrimeGrid, LLR
L2612		Xu1, PSieve, Srsieve, PrimeGrid, LLR
L2619		Krawczyk, PSieve, Srsieve, PrimeGrid, LLR
L2620		Droniou, PSieve, Srsieve, PrimeGrid, LLR
L2623		Pabis, PSieve, Srsieve, PrimeGrid, LLR
L2626		DeKlerk, PSieve, Srsieve, PrimeGrid, LLR
L2627		Graham2, PSieve, Srsieve, PrimeGrid, LLR
L2636		Fick, PSieve, Srsieve, PrimeGrid, LLR
L2649		Brandstaetter, PSieve, Srsieve, PrimeGrid, LLR
L2653		Heinz, PSieve, Srsieve, PrimeGrid, LLR
L2655		Schaap, PSieve, Srsieve, PrimeGrid, LLR
L2659		Reber, PSieve, Srsieve, PrimeGrid, LLR
L2661		Ji, PSieve, Srsieve, PrimeGrid, LLR
L2664		Koluvare, PSieve, Srsieve, PrimeGrid, LLR
L2672		Salte, TwinGen, PrimeGrid, LLR
L2673		Burningham, PSieve, Srsieve, PrimeGrid, LLR
L2674		Michalowski, PSieve, Srsieve, PrimeGrid, LLR
L2675		Ling, PSieve, Srsieve, PrimeGrid, LLR
L2679		DeKlerk, TwinGen, PrimeGrid, LLR
L2680		Kurtovic, TwinGen, PrimeGrid, LLR
L2691		Pettersen, PSieve, Srsieve, PrimeGrid, LLR
L2693		Bravin, TwinGen, PrimeGrid, LLR
L2694		Baudouin, TwinGen, PrimeGrid, LLR
L2700		Romig, PSieve, Srsieve, PrimeGrid, LLR
L2702		Maruska, PSieve, Srsieve, PrimeGrid, LLR
L2703		Armstrong, PSieve, Srsieve, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L2705	Dily1,	PSieve, Srsieve, PrimeGrid, LLR
L2706	Lane,	PSieve, Srsieve, PrimeGrid, LLR
L2708	Klein,	Srsieve, NewPGen, LLR
L2711	Astrom,	PSieve, Srsieve, PrimeGrid, LLR
L2714	Piortowski,	PSieve, Srsieve, PrimeGrid, LLR
L2715	Donovan,	PSieve, Srsieve, PrimeGrid, LLR
L2716	Almeida,	PSieve, Srsieve, PrimeGrid, LLR
L2719	Yost,	PSieve, Srsieve, PrimeGrid, LLR
L2724	AverayJones,	PSieve, Srsieve, PrimeGrid, LLR
L2730	Gwiazda,	PSieve, Srsieve, PrimeGrid, LLR
L2732	Williams4,	PSieve, Srsieve, PrimeGrid, LLR
L2733	Schofield,	PSieve, Srsieve, PrimeGrid, LLR
L2734	Mamonov,	PSieve, Srsieve, PrimeGrid, LLR
L2735	Kenney,	PSieve, Srsieve, PrimeGrid, LLR
L2736	Ketamino,	PSieve, Srsieve, PrimeGrid, LLR
L2737	Baris,	PSieve, Srsieve, PrimeGrid, LLR
L2740	Gearreald,	PSieve, Srsieve, PrimeGrid, LLR
L2741	Gordini,	PSieve, Srsieve, PrimeGrid, LLR
L2742	Fluttert,	PSieve, Srsieve, PrimeGrid, LLR
L2745	Ishikawa,	PSieve, Srsieve, PrimeGrid, LLR
L2748	Weezepoel,	PSieve, Srsieve, PrimeGrid, LLR
L2749	Brooks,	PSieve, Srsieve, PrimeGrid, LLR
L2753	Ketamino,	TwinGen, PrimeGrid, LLR
L2754	Nakamura,	TwinGen, PrimeGrid, LLR
L2760	Donovan,	TwinGen, PrimeGrid, LLR
L2768	Wee,	TwinGen, PrimeGrid, LLR
L2773	Derrera,	TwinGen, PrimeGrid, LLR
L2774	Kapicioglu,	TwinGen, PrimeGrid, LLR
L2775	Schmidt3,	TwinGen, PrimeGrid, LLR
L2777	Ritschel,	Gcwsieve, TOPS, LLR
L2779	Perry,	PSieve, Srsieve, PrimeGrid, LLR
L2785	Meili,	PSieve, Srsieve, PrimeGrid, LLR
L2787	Kapicioglu,	PSieve, Srsieve, PrimeGrid, LLR
L2789	Ueta,	PSieve, Srsieve, PrimeGrid, LLR
L2790	Szymeczko,	PSieve, Srsieve, PrimeGrid, LLR
L2791	Safwat,	PSieve, Srsieve, PrimeGrid, LLR
L2792	Mahe,	PSieve, Srsieve, PrimeGrid, LLR
L2793	Drusc,	PSieve, Srsieve, PrimeGrid, LLR
L2794	Krawiec,	PSieve, Srsieve, PrimeGrid, LLR
L2796	Thanry,	PSieve, Srsieve, PrimeGrid, LLR
L2797	Mark,	PSieve, Srsieve, PrimeGrid, LLR
L2799	Goninan,	PSieve, Srsieve, PrimeGrid, LLR
L2800	Luedemann,	PSieve, Srsieve, PrimeGrid, LLR
L2801	Dejong,	PSieve, Srsieve, PrimeGrid, LLR
L2802	Day,	PSieve, Srsieve, PrimeGrid, LLR
L2803	Barbyshev,	PSieve, Srsieve, PrimeGrid, LLR
L2804	Krapp,	PSieve, Srsieve, PrimeGrid, LLR
L2805	Barr,	PSieve, Srsieve, PrimeGrid, LLR
L2806	Tatsuta,	PSieve, Srsieve, PrimeGrid, LLR
L2807	Andersen1,	PSieve, Srsieve, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L2808	Ferrandis	PSieve, Srsieve, PrimeGrid, LLR
L2809	Sander	PSieve, Srsieve, PrimeGrid, LLR
L2810	Skoog	PSieve, Srsieve, PrimeGrid, LLR
L2811	Martinez1	PSieve, Srsieve, PrimeGrid, LLR
L2812	Letzin	PSieve, Srsieve, PrimeGrid, LLR
L2813	Sumi	PSieve, Srsieve, PrimeGrid, LLR
L2814	Metrock	PSieve, Srsieve, PrimeGrid, LLR
L2815	Suchomsky	PSieve, Srsieve, PrimeGrid, LLR
L2816	Pecio	PSieve, Srsieve, PrimeGrid, LLR
L2820	Fomenko	PSieve, Srsieve, PrimeGrid, LLR
L2821	Dejong1	PSieve, Srsieve, PrimeGrid, LLR
L2823	Loureiro	PSieve, Srsieve, PrimeGrid, LLR
L2824	Hippeau	PSieve, Srsieve, PrimeGrid, LLR
L2826	Judy	PSieve, Srsieve, PrimeGrid, LLR
L2827	Melzer	PSieve, Srsieve, PrimeGrid, LLR
L2829	Wong <sub>C</sub>	<i>PSieve, Srsieve, PrimeGrid, LLR</i>
L2831	Drumm	PSieve, Srsieve, PrimeGrid, LLR
L2835	Pinnock	PSieve, Srsieve, PrimeGrid, LLR
L2837	Brueckner	PSieve, Srsieve, PrimeGrid, LLR
L2840	Santana	PSieve, Srsieve, PrimeGrid, LLR
L2841	Minovic	Gcwsieve, MultiSieve, TOPS, LLR
L2842	English1	PSieve, Srsieve, PrimeGrid, LLR
L2856	Charette	PSieve, Srsieve, PrimeGrid, LLR
L2857	Ball	PSieve, Srsieve, PrimeGrid, LLR
L2858	Hunger	PSieve, Srsieve, PrimeGrid, LLR
L2859	Keenan	PSieve, Srsieve, PrimeGrid, LLR
L2861	Gatewood	PSieve, Srsieve, PrimeGrid, LLR
L2863	Orr	PSieve, Srsieve, PrimeGrid, LLR
L2866	Prestemon	PSieve, Srsieve, PrimeGrid, LLR
L2873	Jurach	PSieve, Srsieve, PrimeGrid, LLR
L2875	Pcolinsky	PSieve, Srsieve, PrimeGrid, LLR
L2876	Pryazhentsev	PSieve, Srsieve, PrimeGrid, LLR
L2879	Longden	PSieve, Srsieve, PrimeGrid, LLR
L2884	Andersen2	PSieve, Srsieve, PrimeGrid, LLR
L2886	Bullock	PSieve, Srsieve, PrimeGrid, LLR
L2887	Harper	PSieve, Srsieve, PrimeGrid, LLR
L2888	Kravtchenko	PSieve, Srsieve, PrimeGrid, LLR
L2890	Smelser	PSieve, Srsieve, PrimeGrid, LLR
L2891	Lacroix	PSieve, Srsieve, PrimeGrid, LLR
L2895	Leonard1	PSieve, Srsieve, PrimeGrid, LLR
L2901	Leschek	PSieve, Srsieve, PrimeGrid, LLR
L2903	Netzeband	PSieve, Srsieve, PrimeGrid, LLR
L2904	Webster1	PSieve, Srsieve, PrimeGrid, LLR
L2905	Cannell	PSieve, Srsieve, PrimeGrid, LLR
L2906	Dreher	PSieve, Srsieve, PrimeGrid, LLR
L2907	Holmes1	PSieve, Srsieve, PrimeGrid, LLR
L2908	Wild	PSieve, Srsieve, PrimeGrid, LLR
L2909	Brys	PSieve, Srsieve, PrimeGrid, LLR
L2910	Kiesanowski	PSieve, Srsieve, PrimeGrid, LLR
L2912	Lantinga	PSieve, <u>Srsieve</u> , PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L2913	Cioca,	PSieve, Srsieve, PrimeGrid, LLR
L2914	Merrylees,	PSieve, Srsieve, PrimeGrid, LLR
L2915	Li1,	PSieve, Srsieve, PrimeGrid, LLR
L2916	Chism,	PSieve, Srsieve, PrimeGrid, LLR
L2917	Wiegers,	PSieve, Srsieve, PrimeGrid, LLR
L2918	Basson,	PSieve, Srsieve, PrimeGrid, LLR
L2919	Marsh1,	PSieve, Srsieve, PrimeGrid, LLR
L2920	Husu,	PSieve, Srsieve, PrimeGrid, LLR
L2921	Takeda,	PSieve, Srsieve, PrimeGrid, LLR
L2922	Pepper,	PSieve, Srsieve, PrimeGrid, LLR
L2923	Lannigan,	PSieve, Srsieve, PrimeGrid, LLR
L2924	Derkach,	PSieve, Srsieve, PrimeGrid, LLR
L2925	Szumlakowski,	PSieve, Srsieve, PrimeGrid, LLR
L2926	Oelrich,	PSieve, Srsieve, PrimeGrid, LLR
L2927	Harris,	PSieve, Srsieve, PrimeGrid, LLR
L2928	Kozłowski,	PSieve, Srsieve, PrimeGrid, LLR
L2929	Utiuzh,	PSieve, Srsieve, PrimeGrid, LLR
L2930	Ruber,	PSieve, Srsieve, PrimeGrid, LLR
L2931	Lewis1,	PSieve, Srsieve, PrimeGrid, LLR
L2932	Savchenko,	PSieve, Srsieve, PrimeGrid, LLR
L2933	Winkler1,	PSieve, Srsieve, PrimeGrid, LLR
L2934	VanWeers,	PSieve, Srsieve, PrimeGrid, LLR
L2935	Bamber,	PSieve, Srsieve, PrimeGrid, LLR
L2936	Preusch,	PSieve, Srsieve, PrimeGrid, LLR
L2937	Chi,	PSieve, Srsieve, PrimeGrid, LLR
L2938	VanLeeuwen,	PSieve, Srsieve, PrimeGrid, LLR
L2939	Brouwer,	PSieve, Srsieve, PrimeGrid, LLR
L2940	Revol,	PSieve, Srsieve, PrimeGrid, LLR
L2941	Thompson4,	PSieve, Srsieve, PrimeGrid, LLR
L2942	Grant1,	PSieve, Srsieve, PrimeGrid, LLR
L2943	Ying,	PSieve, Srsieve, PrimeGrid, LLR
L2944	Stahl,	PSieve, Srsieve, PrimeGrid, LLR
L2945	Schaefer1,	PSieve, Srsieve, PrimeGrid, LLR
L2946	Sanny,	PSieve, Srsieve, PrimeGrid, LLR
L2947	Si,	PSieve, Srsieve, PrimeGrid, LLR
L2948	Plentner,	PSieve, Srsieve, PrimeGrid, LLR
L2949	Kostal,	PSieve, Srsieve, PrimeGrid, LLR
L2950	Harlass,	PSieve, Srsieve, PrimeGrid, LLR
L2951	Fiedler,	PSieve, Srsieve, PrimeGrid, LLR
L2952	Dovgiy,	PSieve, Srsieve, PrimeGrid, Ukraine, LLR
L2954	Lee4,	PSieve, Srsieve, PrimeGrid, LLR
L2955	Hollings,	PSieve, Srsieve, PrimeGrid, LLR
L2956	Ensink,	PSieve, Srsieve, PrimeGrid, LLR
L2957	Fitch,	PSieve, Srsieve, PrimeGrid, LLR
L2958	Hsu1,	PSieve, Srsieve, PrimeGrid, LLR
L2959	Derrera,	PSieve, Srsieve, PrimeGrid, LLR
L2960	Huenicke,	PSieve, Srsieve, PrimeGrid, LLR
L2962	Nagasawa,	PSieve, Srsieve, PrimeGrid, LLR
L2963	Newberry,	PSieve, Srsieve, PrimeGrid, LLR
L2967	Ryjkov,	PSieve, Srsieve, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L2973	Kurtovic, Srsieve,	<u>PrimeGrid, LLR</u>
L2975	Loureiro, GeneferCUDA, AthGFNSieve,	PrimeGrid, LLR
L2981	Yoshigoe, PSieve, Srsieve,	PrimeGrid, LLR
L2984	Sey, PSieve, Srsieve,	PrimeGrid, LLR
L2987	Isetti, PSieve, Srsieve,	PrimeGrid, LLR
L2989	Jurka, PSieve, Srsieve,	PrimeGrid, LLR
L2997	Williams2, PSieve, Srsieve,	PrimeGrid, LLR
L3014	Janda, PSieve, Srsieve,	PrimeGrid, LLR
L3019	Pozharski, PSieve, Srsieve,	PrimeGrid, LLR
L3023	Winslow, PSieve, Srsieve,	PrimeGrid, 12121search, LLR
L3030	Harder, PSieve, Srsieve,	PrimeGrid, LLR
L3033	Snow, PSieve, Srsieve,	PrimeGrid, 12121search, LLR
L3034	Wakolbinger, PSieve, Srsieve,	PrimeGrid, LLR
L3035	Scalise, PSieve, Srsieve,	PrimeGrid, LLR
L3043	Hayase, PSieve, Srsieve,	PrimeGrid, LLR
L3048	Breslin, PSieve, Srsieve,	PrimeGrid, LLR
L3049	Tardy, PSieve, Srsieve,	PrimeGrid, LLR
L3054	Winslow, Srsieve,	PrimeGrid, LLR
L3075	Goellner, PSieve, Srsieve,	PrimeGrid, LLR
L3091	Ridgway, PSieve, Srsieve,	PrimeGrid, LLR
L3105	Eldredge, PSieve, Srsieve,	PrimeGrid, LLR
L3108	Horotan, PSieve, Srsieve,	PrimeGrid, LLR
L3110	Ruge, PSieve, Srsieve,	PrimeGrid, LLR
L3113	Utendorf, PSieve, Srsieve,	PrimeGrid, LLR
L3117	Johnson7, PSieve, Srsieve,	PrimeGrid, LLR
L3118	Yama, GeneferCUDA, AthGFNSieve,	PrimeGrid, LLR
L3121	Kwok, NewPGen, TPS,	LLR
L3125	Rizman, PSieve, Srsieve,	PrimeGrid, LLR
L3127	Gilles, PSieve, Srsieve,	PrimeGrid, LLR
L3131	Kopp, PSieve, Srsieve,	PrimeGrid, LLR
L3137	Plinta, PSieve, Srsieve,	PrimeGrid, LLR
L3139	Berker, PSieve, Srsieve,	PrimeGrid, LLR
L3141	Kus, PSieve, Srsieve,	PrimeGrid, LLR
L3149	Gordiani, PSieve, Srsieve,	PrimeGrid, LLR
L3154	Hentrich, PSieve, Srsieve,	PrimeGrid, LLR
L3157	Becker2, Srsieve,	PrimeGrid, SierpinskiRiesel, LLR
L3158	Zyber, PSieve, Srsieve,	PrimeGrid, LLR
L3167	Delisle, PSieve, Srsieve,	PrimeGrid, LLR
L3168	Schwegler, PSieve, Srsieve,	PrimeGrid, LLR
L3169	Siemlink, Srsieve,	CRUS, LLR
L3171	Bergelt, PSieve, Srsieve,	PrimeGrid, LLR
L3173	Zhou2, PSieve, Srsieve,	PrimeGrid, LLR
L3174	Boniecki, PSieve, Srsieve,	PrimeGrid, LLR
L3175	Watanabe1, PSieve, Srsieve,	PrimeGrid, LLR
L3179	Hamada, PSieve, Srsieve,	PrimeGrid, LLR
L3180	Poon, PSieve, Srsieve,	PrimeGrid, LLR
L3183	Haller, Srsieve,	PrimeGrid, LLR
L3184	Hayslette, GeneferCUDA, AthGFNSieve,	PrimeGrid, LLR
L3188	Oenen, PSieve, Srsieve,	PrimeGrid, LLR
L3190	Vogel, Srsieve,	<u>PrimeGrid, SierpinskiRiesel, LLR</u>

	<u>code</u>	<u>description</u>
L3192		Gundermann, PSieve, Srsieve, PrimeGrid, LLR
L3199		Henderson2, PSieve, Srsieve, PrimeGrid, LLR
L3202		Sharma, PSieve, Rieselprime, LLR
L3203		Scalise, TwinGen, PrimeGrid, LLR
L3204		Ryjkov, TwinGen, PrimeGrid, LLR
L3206		Chang2, PSieve, Srsieve, PrimeGrid, LLR
L3208		Lewis1, TwinGen, PrimeGrid, LLR
L3209		McArdle, GenefX64, AthGFNSieve, PrimeGrid, LLR
L3210		DeVries, TwinGen, PrimeGrid, LLR
L3213		OBrien1, PSieve, Srsieve, PrimeGrid, LLR
L3214		Deutschmann, TwinGen, PrimeGrid, LLR
L3216		Lind, TwinGen, PrimeGrid, LLR
L3218		Kim3, TwinGen, PrimeGrid, LLR
L3221		Vicena, PSieve, Srsieve, PrimeGrid, LLR
L3222		Yamamoto, PSieve, Srsieve, PrimeGrid, LLR
L3223		Yurgandzhiev, PSieve, Srsieve, PrimeGrid, LLR
L3224		Criado, TwinGen, PrimeGrid, LLR
L3226		Pepper, TwinGen, PrimeGrid, LLR
L3227		Hoorn, TwinGen, PrimeGrid, LLR
L3228		Meditz, TwinGen, PrimeGrid, LLR
L3230		Kumagai, GeneferCUDA, AthGFNSieve, PrimeGrid, LLR
L3233		Nadeau, PSieve, Srsieve, PrimeGrid, LLR
L3234		Parangalan, PSieve, Srsieve, PrimeGrid, LLR
L3235		Ruge, TwinGen, PrimeGrid, LLR
L3236		Larsson1, TwinGen, PrimeGrid, LLR
L3237		Reifschneider, PSieve, Srsieve, PrimeGrid, LLR
L3240		Vogt, TwinGen, PrimeGrid, LLR
L3242		Jevtic, TwinGen, PrimeGrid, LLR
L3246		Beard, PSieve, Srsieve, PrimeGrid, LLR
L3247		Elliott2, TwinGen, PrimeGrid, LLR
L3248		Kumagai, PSieve, Srsieve, PrimeGrid, LLR
L3249		Lind, PSieve, Srsieve, PrimeGrid, LLR
L3251		Delisle, TwinGen, PrimeGrid, LLR
L3252		Bergman1, TwinGen, PrimeGrid, LLR
L3255		Eldredge, TwinGen, PrimeGrid, LLR
L3256		Harris1, TwinGen, PrimeGrid, LLR
L3257		Ksiazek1, PSieve, Srsieve, PrimeGrid, LLR
L3258		Molder, TwinGen, PrimeGrid, LLR
L3260		Stanko, PSieve, Srsieve, PrimeGrid, LLR
L3261		Batalov, PSieve, Srsieve, PrimeGrid, LLR
L3262		Molder, PSieve, Srsieve, PrimeGrid, LLR
L3269		Ritschel, Gcwsieve, GenWoodall, LLR
L3270		Heidotting, TwinGen, PrimeGrid, LLR
L3271		Hedlund, PSieve, Srsieve, PrimeGrid, LLR
L3274		Schouten, TwinGen, PrimeGrid, LLR
L3276		Jeka, PSieve, Srsieve, PrimeGrid, LLR
L3277		Wijnen, PSieve, Srsieve, PrimeGrid, LLR
L3278		Fischer1, PSieve, Srsieve, PrimeGrid, LLR
L3279		Hollander, PSieve, Srsieve, PrimeGrid, LLR
L3284		Bosma, PSieve, <u>Srsieve</u> , PrimeGrid, LLR



	<u>code</u>	<u>description</u>
L3287	Jarlsson,	TwinGen, PrimeGrid, LLR
L3289	Evans1,	PSieve, Srsieve, PrimeGrid, LLR
L3290	Bednar1,	PSieve, Srsieve, PrimeGrid, LLR
L3294	Bartlett,	PSieve, Srsieve, PrimeGrid, LLR
L3297	DroppaSR,	PSieve, Srsieve, PrimeGrid, LLR
L3309	Everett1,	PSieve, Srsieve, PrimeGrid, LLR
L3311	Noon,	PSieve, Srsieve, PrimeGrid, LLR
L3312	Perchenko,	PSieve, Srsieve, PrimeGrid, LLR
L3313	Yost,	Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3316	Shay,	TwinGen, PrimeGrid, LLR
L3317	Ryabchikov,	PSieve, Srsieve, PrimeGrid, LLR
L3319	Kusig,	PSieve, Srsieve, PrimeGrid, LLR
L3321	Stanko,	TwinGen, PrimeGrid, LLR
L3322	Kelava,	TwinGen, PrimeGrid, LLR
L3323	Ritschel,	NewPGen, TOPS, LLR
L3325	Elvy,	PSieve, Srsieve, PrimeGrid, LLR
L3326	Ritschel,	Srsieve, TOPS, LLR
L3327	Mierzejowski,	PSieve, Srsieve, PrimeGrid, LLR
L3328	Ferrell,	TwinGen, PrimeGrid, LLR
L3329	Tatearka,	PSieve, Srsieve, PrimeGrid, LLR
L3330	Wilson3,	TwinGen, PrimeGrid, LLR
L3331	Farrow,	TwinGen, PrimeGrid, LLR
L3332	Bergelt,	TwinGen, PrimeGrid, LLR
L3333	Romer,	PSieve, Srsieve, PrimeGrid, LLR
L3334	Michelot,	TwinGen, PrimeGrid, LLR
L3335	Kramer2,	PSieve, Srsieve, PrimeGrid, LLR
L3336	Dongen,	Siemelink, Srsieve, LLR
L3337	Ryabchikov,	TwinGen, PrimeGrid, LLR
L3338	DeJesus,	PSieve, Srsieve, PrimeGrid, LLR
L3339	Jurach,	TwinGen, PrimeGrid, LLR
L3340	Baltat,	TwinGen, PrimeGrid, LLR
L3341	Botting,	TwinGen, PrimeGrid, LLR
L3342	Boulay,	TwinGen, PrimeGrid, LLR
L3343	Woerner,	PSieve, Srsieve, PrimeGrid, LLR
L3344	Fausten,	PSieve, Srsieve, PrimeGrid, LLR
L3345	Domanov1,	PSieve, Rieselprime, LLR
L3346	Rassokhin,	TwinGen, PrimeGrid, LLR
L3347	Bryniarski,	TwinGen, PrimeGrid, LLR
L3349	Belougourov,	TwinGen, PrimeGrid, LLR
L3350	Prange,	TwinGen, PrimeGrid, LLR
L3351	Szajerski,	TwinGen, PrimeGrid, LLR
L3354	Willig,	Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3355	Liskay,	TwinGen, PrimeGrid, LLR
L3357	Yoshida1,	TwinGen, PrimeGrid, LLR
L3359	Brittain,	TwinGen, PrimeGrid, LLR
L3360	Kaczala,	TwinGen, PrimeGrid, LLR
L3362	Elmir,	PSieve, Srsieve, PrimeGrid, LLR
L3364	Combe,	TwinGen, PrimeGrid, LLR
L3365	Hamada,	TwinGen, PrimeGrid, LLR
L3369	Kim2,	TwinGen, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3370	Utendorf,	TwinGen, PrimeGrid, LLR
L3371	Glasgow,	TwinGen, PrimeGrid, LLR
L3372	Ryan,	PSieve, Srsieve, PrimeGrid, LLR
L3373	Simpson1,	TwinGen, PrimeGrid, LLR
L3374	Burningham,	TwinGen, PrimeGrid, LLR
L3375	Maj,	TwinGen, PrimeGrid, LLR
L3378	Glasgow,	PSieve, Srsieve, PrimeGrid, LLR
L3379	Almond,	TwinGen, PrimeGrid, LLR
L3380	Yoshigoe,	TwinGen, PrimeGrid, LLR
L3381	Andersen3,	TwinGen, PrimeGrid, LLR
L3382	Reifschneider,	TwinGen, PrimeGrid, LLR
L3383	Everett1,	TwinGen, PrimeGrid, LLR
L3384	Makowski,	TwinGen, PrimeGrid, LLR
L3385	Rassokhin,	PSieve, Srsieve, PrimeGrid, LLR
L3387	Vicena,	TwinGen, PrimeGrid, LLR
L3388	Tardy,	TwinGen, PrimeGrid, LLR
L3390	Nadeau,	TwinGen, PrimeGrid, LLR
L3391	Bangma,	TwinGen, PrimeGrid, LLR
L3392	Notte,	TwinGen, PrimeGrid, LLR
L3393	Tanaka1,	TwinGen, PrimeGrid, LLR
L3394	Paloheimo,	TwinGen, PrimeGrid, LLR
L3395	Marini,	TwinGen, PrimeGrid, LLR
L3396	Marques,	TwinGen, PrimeGrid, LLR
L3397	Volf,	PSieve, Srsieve, PrimeGrid, LLR
L3398	Sylvain,	TwinGen, PrimeGrid, LLR
L3399	Senftleben,	TwinGen, PrimeGrid, LLR
L3400	Wyn,	TwinGen, PrimeGrid, LLR
L3401	Bartlett,	TwinGen, PrimeGrid, LLR
L3402	Echtelt,	TwinGen, PrimeGrid, LLR
L3403	Hedlund,	TwinGen, PrimeGrid, LLR
L3404	Francony,	TwinGen, PrimeGrid, LLR
L3405	Odom,	PSieve, Srsieve, PrimeGrid, LLR
L3406	Vanco,	TwinGen, PrimeGrid, LLR
L3407	Zhuang,	TwinGen, PrimeGrid, LLR
L3408	Guman,	TwinGen, PrimeGrid, LLR
L3409	Rehnberg,	PSieve, Srsieve, PrimeGrid, LLR
L3410	Kurtovic,	Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3411	Lechoczak,	TwinGen, PrimeGrid, LLR
L3412	Niermann,	PSieve, Srsieve, PrimeGrid, LLR
L3414	Elmir,	TwinGen, PrimeGrid, LLR
L3415	Johnston1,	PSieve, Srsieve, PrimeGrid, LLR
L3416	Giebel,	TwinGen, PrimeGrid, LLR
L3418	Stein,	PSieve, Srsieve, PrimeGrid, LLR
L3419	Wong <sub>C</sub> ,	<i>TwinGen, PrimeGrid, LLR</i>
L3420	Landwehr,	TwinGen, PrimeGrid, LLR
L3421	Handa,	TwinGen, PrimeGrid, LLR
L3422	Micom,	PSieve, Srsieve, PrimeGrid, LLR
L3423	Collins,	PSieve, Srsieve, PrimeGrid, LLR
L3424	Petrov,	TwinGen, PrimeGrid, LLR
L3425	Fluttert,	TwinGen, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3426	Fick,	TwinGen, PrimeGrid, LLR
L3427	Pasanen,	PSieve, Srsieve, PrimeGrid, LLR
L3428	Cristian,	PSieve, Srsieve, PrimeGrid, LLR
L3429	Redding,	TwinGen, PrimeGrid, LLR
L3430	Durstewitz,	PSieve, Srsieve, PrimeGrid, LLR
L3432	Batalov,	Srsieve, LLR
L3433	Ferrandis,	TwinGen, PrimeGrid, LLR
L3434	Hoff,	TwinGen, PrimeGrid, LLR
L3435	Walling,	PSieve, Srsieve, PrimeGrid, LLR
L3436	Linder,	PSieve, Srsieve, PrimeGrid, LLR
L3439	Huang,	PSieve, Srsieve, PrimeGrid, LLR
L3440	Pelikan,	PSieve, Srsieve, PrimeGrid, LLR
L3441	Ilves,	PSieve, Srsieve, PrimeGrid, LLR
L3444	Crane,	PSieve, Srsieve, PrimeGrid, LLR
L3445	Bishopp,	PSieve, Srsieve, PrimeGrid, LLR
L3446	Marshall3,	PSieve, Srsieve, PrimeGrid, LLR
L3452	Resto,	PSieve, Srsieve, PrimeGrid, LLR
L3453	Benes,	PSieve, Srsieve, PrimeGrid, LLR
L3456	Murai,	PSieve, Srsieve, PrimeGrid, LLR
L3458	Jia,	PSieve, Srsieve, PrimeGrid, LLR
L3459	Boruvka,	PSieve, Srsieve, PrimeGrid, LLR
L3460	Ottusch,	PSieve, Srsieve, PrimeGrid, LLR
L3464	Ferrell,	PSieve, Srsieve, PrimeGrid, LLR
L3469	Putz,	PSieve, Srsieve, PrimeGrid, LLR
L3470	Fisan,	PSieve, Srsieve, PrimeGrid, LLR
L3471	Georgijewski,	PSieve, Srsieve, PrimeGrid, LLR
L3472	Hernas,	PSieve, Srsieve, PrimeGrid, LLR
L3473	Mizelle,	PSieve, Srsieve, PrimeGrid, LLR
L3474	Perretta,	TwinGen, PrimeGrid, LLR
L3476	Gasuen,	PSieve, Srsieve, PrimeGrid, LLR
L3478	Stirling1,	TwinGen, PrimeGrid, LLR
L3479	Lee5,	TwinGen, PrimeGrid, LLR
L3480	Anwander,	TwinGen, PrimeGrid, LLR
L3482	Eckford,	TwinGen, PrimeGrid, LLR
L3483	Farrow,	PSieve, Srsieve, PrimeGrid, LLR
L3484	Horta,	TwinGen, PrimeGrid, LLR
L3486	Maurice,	TwinGen, PrimeGrid, LLR
L3487	Ziemann,	PSieve, Srsieve, PrimeGrid, LLR
L3488	Skinner,	TwinGen, PrimeGrid, LLR
L3491	Lanting,	TwinGen, PrimeGrid, LLR
L3492	Mazzucato,	TwinGen, PrimeGrid, LLR
L3493	Patrick,	TwinGen, PrimeGrid, LLR
L3494	Batalov,	NewPGen, LLR
L3495	Oliveira1,	TwinGen, PrimeGrid, LLR
L3496	Benes,	TwinGen, PrimeGrid, LLR
L3498	Keenan,	TwinGen, PrimeGrid, LLR
L3499	Matsumoto1,	TwinGen, PrimeGrid, LLR
L3500	Stirling1,	PSieve, Srsieve, PrimeGrid, LLR
L3502	Ristic,	PSieve, Srsieve, PrimeGrid, LLR
L3503	Durstewitz,	<u>TwinGen, PrimeGrid, LLR</u>

	<u>code</u>	<u>description</u>
L3504		Krofchik, TwinGen, PrimeGrid, LLR
L3506		Wang1, TwinGen, PrimeGrid, LLR
L3507		Badis, TwinGen, PrimeGrid, LLR
L3508		Poon, TwinGen, PrimeGrid, LLR
L3509		McLean1, TwinGen, PrimeGrid, LLR
L3512		Tsuji, PSieve, Srsieve, PrimeGrid, LLR
L3514		Bishop1, PSieve, Srsieve, OpenPFGW, PrimeGrid, LLR
L3515		Liu3, TwinGen, PrimeGrid, LLR
L3517		Leamon, TwinGen, PrimeGrid, LLR
L3518		Papendick, PSieve, Srsieve, PrimeGrid, LLR
L3519		Kurtovic, PSieve, Srsieve, Rieselprime, LLR
L3520		Lester, TwinGen, PrimeGrid, LLR
L3521		Cervelle, TwinGen, PrimeGrid, LLR
L3522		Jhkel, TwinGen, PrimeGrid, LLR
L3523		Brown1, Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3525		Rezek, TwinGen, PrimeGrid, LLR
L3526		Holm, PSieve, Srsieve, PrimeGrid, LLR
L3528		Batalov, Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3529		Yurgandzhiev, TwinGen, PrimeGrid, LLR
L3530		Ollivier, TwinGen, PrimeGrid, LLR
L3532		Batalov, Gcwsieve, LLR
L3534		English1, TwinGen, PrimeGrid, LLR
L3535		Nikolaou, TwinGen, PrimeGrid, LLR
L3536		Melcher1, TwinGen, PrimeGrid, LLR
L3537		Rodriguez1, TwinGen, PrimeGrid, LLR
L3538		Beard1, PSieve, Srsieve, PrimeGrid, LLR
L3539		Jacobs, PSieve, Srsieve, PrimeGrid, LLR
L3541		Matousek, TwinGen, PrimeGrid, LLR
L3542		Pelikan, TwinGen, PrimeGrid, LLR
L3543		Yama, PrimeGrid, LLR
L3544		Minovic, Gcwsieve, GenWoodall, LLR
L3545		Eskam1, PSieve, Srsieve, PrimeGrid, LLR
L3546		Mueller3, TwinGen, PrimeGrid, LLR
L3547		Ready, Srsieve, PrimeGrid, LLR
L3548		Ready, PSieve, Srsieve, PrimeGrid, LLR
L3549		Hirai, Srsieve, PrimeGrid, LLR
L3550		Ready, TwinGen, PrimeGrid, LLR
L3552		Benson2, Srsieve, PrimeGrid, LLR
L3553		Cilliers, Srsieve, PrimeGrid, LLR
L3554		Kroob, TwinGen, PrimeGrid, LLR
L3555		Cervelle, PSieve, Srsieve, PrimeGrid, LLR
L3556		Micom, TwinGen, PrimeGrid, LLR
L3557		Dausch, TwinGen, PrimeGrid, LLR
L3558		Deakin, TwinGen, PrimeGrid, LLR
L3560		Myers, TwinGen, PrimeGrid, LLR
L3562		Schouten, Srsieve, PrimeGrid, LLR
L3563		Wolf2, TwinGen, PrimeGrid, LLR
L3564		Jaworski, Srsieve, CRUS, LLR
L3566		Slakans, Srsieve, PrimeGrid, LLR
L3567		Meili, Srsieve, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3568		Wakolbinger, TwinGen, PrimeGrid, LLR
L3571		Chang2, TwinGen, PrimeGrid, LLR
L3572		Kohne, TwinGen, PrimeGrid, LLR
L3573		Batalov, TwinGen, PrimeGrid, LLR
L3574		Wharton, TwinGen, PrimeGrid, LLR
L3577		Sriworarat, PSieve, Srsieve, PrimeGrid, LLR
L3578		Kraus, TwinGen, PrimeGrid, LLR
L3580		Nelson1, PSieve, Srsieve, PrimeGrid, LLR
L3582		Matsuda, TwinGen, PrimeGrid, LLR
L3586		Wharton, PSieve, Srsieve, PrimeGrid, LLR
L3588		Matousek, PSieve, Srsieve, PrimeGrid, LLR
L3590		Jakobson, TwinGen, PrimeGrid, LLR
L3591		Dietsch, TwinGen, PrimeGrid, LLR
L3594		Norris1, PSieve, Srsieve, PrimeGrid, LLR
L3596		Bratton1, TwinGen, PrimeGrid, LLR
L3599		Svendsen, TwinGen, PrimeGrid, LLR
L3600		Patillaud, TwinGen, PrimeGrid, LLR
L3601		Jablonski1, PSieve, Srsieve, PrimeGrid, LLR
L3602		Shimizu, TwinGen, PrimeGrid, LLR
L3603		Sorensen, TwinGen, PrimeGrid, LLR
L3605		Hilbich, TwinGen, PrimeGrid, LLR
L3606		Sander, TwinGen, PrimeGrid, LLR
L3608		Athanas, TwinGen, PrimeGrid, LLR
L3609		Fesenko, PSieve, Srsieve, PrimeGrid, LLR
L3610		Batalov, Srsieve, CRUS, LLR
L3611		Vincent, TwinGen, PrimeGrid, LLR
L3612		Smits, PSieve, Srsieve, PrimeGrid, LLR
L3613		Salazar, TwinGen, PrimeGrid, LLR
L3615		Harris2, TwinGen, PrimeGrid, LLR
L3616		Englehard, PSieve, Srsieve, PrimeGrid, LLR
L3618		Lowder, TwinGen, PrimeGrid, LLR
L3619		Arthur1, PSieve, Srsieve, PrimeGrid, LLR
L3621		, TwinGen, PrimeGrid, LLR
L3622		Hovden, TwinGen, PrimeGrid, LLR
L3623		Johnson7, TwinGen, PrimeGrid, LLR
L3625		Haymoz, PSieve, Srsieve, PrimeGrid, LLR
L3626		Takahashi2, TwinGen, PrimeGrid, LLR
L3627		Mot, TwinGen, PrimeGrid, LLR
L3628		High, TwinGen, PrimeGrid, LLR
L3629		Raab, PSieve, Srsieve, PrimeGrid, LLR
L3630		Brebois, PSieve, Srsieve, PrimeGrid, LLR
L3631		Karpin, TwinGen, PrimeGrid, LLR
L3632		Hartung, TwinGen, PrimeGrid, LLR
L3633		Milosch, TwinGen, PrimeGrid, LLR
L3634		Schmidt2, TwinGen, PrimeGrid, LLR
L3635		Blum, TwinGen, PrimeGrid, LLR
L3636		Swenson, TwinGen, PrimeGrid, LLR
L3637		Wasiewicz, TwinGen, PrimeGrid, LLR
L3638		Ollila, TwinGen, PrimeGrid, LLR
L3639		Janowiecki, TwinGen, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3640	Stopper,	PSieve, Srsieve, PrimeGrid, LLR
L3641	Adams4,	PSieve, Srsieve, PrimeGrid, LLR
L3642	Kasprzyca,	TwinGen, PrimeGrid, LLR
L3643	Safarova,	TwinGen, PrimeGrid, LLR
L3644	Vietor,	TwinGen, PrimeGrid, LLR
L3645	Lewandowski,	PSieve, Srsieve, PrimeGrid, LLR
L3646	Tai,	PSieve, Srsieve, PrimeGrid, LLR
L3647	Smits,	TwinGen, PrimeGrid, LLR
L3648	Schwegler,	TwinGen, PrimeGrid, LLR
L3649	Zokov,	PSieve, Srsieve, PrimeGrid, LLR
L3650	Smit,	PSieve, Srsieve, PrimeGrid, LLR
L3651	Bishop1,	TwinGen, PrimeGrid, LLR
L3652	Amschl,	TwinGen, PrimeGrid, LLR
L3653	Robins,	TwinGen, PrimeGrid, LLR
L3654	Trovas,	TwinGen, PrimeGrid, LLR
L3655	Odom,	TwinGen, PrimeGrid, LLR
L3656	Jamet,	PSieve, Srsieve, PrimeGrid, LLR
L3657	Jarvenpaa,	PSieve, Srsieve, PrimeGrid, LLR
L3658	Furushima,	PSieve, Srsieve, PrimeGrid, LLR
L3659	Volynsky,	Srsieve, PrimeGrid, LLR
L3660	Kroob,	PSieve, Srsieve, PrimeGrid, LLR
L3661	Hollander,	TwinGen, PrimeGrid, LLR
L3662	Schawe,	PSieve, Srsieve, PrimeGrid, LLR
L3663	Branish,	PSieve, Srsieve, PrimeGrid, LLR
L3664	Kong1,	PSieve, Srsieve, PrimeGrid, LLR
L3665	Kelava1,	PSieve, Srsieve, Rieselprime, LLR
L3666	Bielecki,	PSieve, Srsieve, PrimeGrid, LLR
L3667	Kozenko,	TwinGen, PrimeGrid, LLR
L3668	Prokopchuk,	PSieve, Srsieve, PrimeGrid, LLR
L3669	Kerr,	TwinGen, PrimeGrid, LLR
L3670	Markowski,	PSieve, Srsieve, PrimeGrid, LLR
L3671	Gunn,	PSieve, Srsieve, PrimeGrid, LLR
L3672	Yanagida,	PSieve, Srsieve, PrimeGrid, LLR
L3673	Hovden,	PSieve, Srsieve, PrimeGrid, LLR
L3674	Yoshida2,	TwinGen, PrimeGrid, LLR
L3675	Ledford,	PSieve, Srsieve, PrimeGrid, LLR
L3676	Wight,	PSieve, Srsieve, PrimeGrid, LLR
L3677	KjeldsenIII,	TwinGen, PrimeGrid, LLR
L3678	Knestruck,	PSieve, Srsieve, PrimeGrid, LLR
L3679	Smros,	PSieve, Srsieve, PrimeGrid, LLR
L3680	White1,	TwinGen, PrimeGrid, LLR
L3681	Francis,	TwinGen, PrimeGrid, LLR
L3682	Schaible,	PSieve, Srsieve, PrimeGrid, LLR
L3683	Maat1,	TwinGen, PrimeGrid, LLR
L3684	Kiesewetter,	TwinGen, PrimeGrid, LLR
L3685	Miao,	PSieve, Srsieve, PrimeGrid, LLR
L3686	Yost,	Srsieve, PrimeGrid, LLR
L3687	Huang1,	TwinGen, PrimeGrid, LLR
L3688	Hasznos,	PSieve, Srsieve, PrimeGrid, LLR
L3689	Stefaniak,	TwinGen, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3690	Knain, TwinGen,	<u>PrimeGrid, LLR</u>
L3691	Williams5, PSieve, Srsieve,	PrimeGrid, LLR
L3692	Santana1, TwinGen,	PrimeGrid, LLR
L3693	Pachushkin, PSieve, Srsieve,	PrimeGrid, LLR
L3694	Leonard1, TwinGen,	PrimeGrid, LLR
L3695	White1, PSieve, Srsieve,	PrimeGrid, LLR
L3696	Linderson, PSieve, Srsieve,	PrimeGrid, LLR
L3697	Markowski, TwinGen,	PrimeGrid, LLR
L3698	Pisarev, PSieve, Srsieve,	PrimeGrid, LLR
L3699	Olszowi, PSieve, Srsieve,	PrimeGrid, LLR
L3700	Kim4, PSieve, Srsieve,	PrimeGrid, LLR
L3701	Haines1, TwinGen,	PrimeGrid, LLR
L3702	Vanstone, PSieve, Srsieve,	PrimeGrid, LLR
L3703	Brueckner, TwinGen,	PrimeGrid, LLR
L3704	Chadszinow, TwinGen,	PrimeGrid, LLR
L3705	Oettermann, PSieve, Srsieve,	PrimeGrid, LLR
L3706	Radle, TwinGen,	PrimeGrid, LLR
L3707	Nobuhiro, PSieve, Srsieve,	PrimeGrid, LLR
L3708	Hicks1, TwinGen,	PrimeGrid, LLR
L3709	Buss, PSieve, Srsieve,	PrimeGrid, LLR
L3710	Huetter, TwinGen,	PrimeGrid, LLR
L3711	Toda, PSieve, Srsieve,	PrimeGrid, LLR
L3712	Brunner, PSieve, Srsieve,	PrimeGrid, LLR
L3713	Jaillet, PSieve, Srsieve,	PrimeGrid, LLR
L3714	Huehn, PSieve, Srsieve,	PrimeGrid, LLR
L3715	Peters, TwinGen,	PrimeGrid, LLR
L3716	Hartwich, TwinGen,	PrimeGrid, LLR
L3717	McDonald3, PSieve, Srsieve,	PrimeGrid, LLR
L3718	Lukosevisius, TwinGen,	PrimeGrid, LLR
L3719	Skinner, PSieve, Srsieve,	PrimeGrid, LLR
L3720	Ohno, Srsieve,	PrimeGrid, LLR
L3721	Chen, PSieve, Srsieve,	PrimeGrid, LLR
L3722	Cartiaux, TwinGen,	PrimeGrid, LLR
L3723	Romer, TwinGen,	PrimeGrid, LLR
L3724	Kerr, PSieve, Srsieve,	PrimeGrid, LLR
L3725	Kiss, PSieve, Srsieve,	PrimeGrid, LLR
L3726	Layec, PSieve, Srsieve,	PrimeGrid, LLR
L3727	Ruch, PSieve, Srsieve,	PrimeGrid, LLR
L3728	Rietveld, PSieve, Srsieve,	PrimeGrid, LLR
L3729	Canossi, TwinGen,	PrimeGrid, LLR
L3730	Waguri, TwinGen,	PrimeGrid, LLR
L3731	Deram, PSieve, Srsieve,	PrimeGrid, LLR
L3732	OConnor, PSieve, Srsieve,	PrimeGrid, LLR
L3733	Bryniarski, PSieve, Srsieve,	PrimeGrid, LLR
L3734	Bosma, TwinGen,	PrimeGrid, LLR
L3735	Kurtovic, Srsieve,	LLR
L3736	Lukosevisius, PSieve, Srsieve,	PrimeGrid, LLR
L3737	Cartiaux, PSieve, Srsieve,	PrimeGrid, LLR
L3738	Larsson1, PSieve, Srsieve,	PrimeGrid, LLR
L3739	Gournay, PSieve,	<u>Srsieve, PrimeGrid, LLR</u>

	<u>code</u>	<u>description</u>
L3740	Vries,	TwinGen, PrimeGrid, LLR
L3741	Qian,	TwinGen, PrimeGrid, LLR
L3742	Kodey,	PSieve, Srsieve, PrimeGrid, LLR
L3743	Parker1,	PSieve, Srsieve, PrimeGrid, LLR
L3744	Green1,	PSieve, Srsieve, PrimeGrid, LLR
L3745	Stuart1,	TwinGen, PrimeGrid, LLR
L3746	Bello2,	TwinGen, PrimeGrid, LLR
L3747	Ringdahl,	TwinGen, PrimeGrid, LLR
L3748	Vries,	PSieve, Srsieve, PrimeGrid, LLR
L3749	Meador,	Srsieve, PrimeGrid, LLR
L3750	Leung,	PSieve, Srsieve, PrimeGrid, LLR
L3751	Gunn,	TwinGen, PrimeGrid, LLR
L3752	Kizu,	PSieve, Srsieve, PrimeGrid, LLR
L3753	Doerscheln,	PSieve, Srsieve, PrimeGrid, LLR
L3754	Papendick,	TwinGen, PrimeGrid, LLR
L3755	Ringdahl,	PSieve, Srsieve, PrimeGrid, LLR
L3756	Brandstaetter,	TwinGen, PrimeGrid, LLR
L3757	Luca,	PSieve, Srsieve, PrimeGrid, LLR
L3758	Baltat,	PSieve, Srsieve, PrimeGrid, LLR
L3759	Heidotting,	PSieve, Srsieve, PrimeGrid, LLR
L3760	Okazaki,	PSieve, Srsieve, PrimeGrid, LLR
L3761	Layec,	TwinGen, PrimeGrid, LLR
L3762	Heigaard,	PSieve, Srsieve, PrimeGrid, LLR
L3763	Martin4,	PSieve, Srsieve, PrimeGrid, LLR
L3764	Diepeveen,	PSieve, Srsieve, Rieselprime, LLR
L3765	Ruch,	TwinGen, PrimeGrid, LLR
L3766	Vacaretu,	PSieve, Srsieve, PrimeGrid, LLR
L3767	Huang1,	PSieve, Srsieve, PrimeGrid, LLR
L3768	Natalenko,	PSieve, Srsieve, PrimeGrid, LLR
L3769	DelGrosso,	TwinGen, PrimeGrid, LLR
L3770	Tang,	Srsieve, PrimeGrid, LLR
L3771	Deixonne,	TwinGen, PrimeGrid, LLR
L3772	Ottusch,	Srsieve, PrimeGrid, LLR
L3773	Swasey,	PSieve, Srsieve, PrimeGrid, LLR
L3774	Jurek,	TwinGen, PrimeGrid, LLR
L3775	Pichler,	PSieve, Srsieve, PrimeGrid, LLR
L3776	Weller,	TwinGen, PrimeGrid, LLR
L3777	Vob,	TwinGen, PrimeGrid, LLR
L3778	Newton,	TwinGen, PrimeGrid, LLR
L3779	Janse,	TwinGen, PrimeGrid, LLR
L3780	Li3,	PSieve, Srsieve, PrimeGrid, LLR
L3781	Kim3,	PSieve, Srsieve, PrimeGrid, LLR
L3782	Rhodes,	TwinGen, PrimeGrid, LLR
L3783	Kiesewetter,	PSieve, Srsieve, PrimeGrid, LLR
L3784	Cavanaugh,	PSieve, Srsieve, PrimeGrid, LLR
L3785	Reichel,	PSieve, Srsieve, PrimeGrid, LLR
L3786	Xi,	PSieve, Srsieve, PrimeGrid, LLR
L3787	Palumbo,	PSieve, Srsieve, PrimeGrid, LLR
L3788	Binder,	TwinGen, PrimeGrid, LLR
L3789	Toda,	Srsieve, PrimeGrid, LLR



	<u>code</u>	<u>description</u>
L3790	Tamagawa,	PSieve, Srsieve, PrimeGrid, LLR
L3791	Hicks1,	PSieve, Srsieve, PrimeGrid, LLR
L3792	Nishii,	TwinGen, PrimeGrid, LLR
L3793	Bun,	PSieve, Srsieve, PrimeGrid, LLR
L3794	McKay1,	PSieve, Srsieve, PrimeGrid, LLR
L3795	Groner,	TwinGen, PrimeGrid, LLR
L3796	Zhuang,	PSieve, Srsieve, PrimeGrid, LLR
L3797	Schmidt3,	PSieve, Srsieve, PrimeGrid, LLR
L3798	Miles,	PSieve, Srsieve, PrimeGrid, LLR
L3799	Granier,	TwinGen, PrimeGrid, LLR
L3800	Amschl,	PSieve, Srsieve, PrimeGrid, LLR
L3801	Klepel,	TwinGen, PrimeGrid, LLR
L3802	Aggarwal,	Srsieve, LLR
L3803	Bredl,	PSieve, Srsieve, PrimeGrid, LLR
L3804	Soukop,	TwinGen, PrimeGrid, LLR
L3805	Kalus,	TwinGen, PrimeGrid, LLR
L3806	Bello2,	PSieve, Srsieve, PrimeGrid, LLR
L3807	Ambroziak,	PSieve, Srsieve, PrimeGrid, LLR
L3808	Theis,	PSieve, Srsieve, PrimeGrid, LLR
L3809	Kecic,	TwinGen, PrimeGrid, LLR
L3810	Radle,	PSieve, Srsieve, PrimeGrid, LLR
L3811	Rietveld,	TwinGen, PrimeGrid, LLR
L3812	Dickson,	PSieve, Srsieve, PrimeGrid, LLR
L3813	Chambers2,	PSieve, Srsieve, PrimeGrid, LLR
L3814	Glinka,	PSieve, Srsieve, PrimeGrid, LLR
L3815	Unterhalt,	TwinGen, PrimeGrid, LLR
L3816	Santana,	TwinGen, PrimeGrid, LLR
L3817	Kemenes,	TwinGen, PrimeGrid, LLR
L3818	Linderson,	TwinGen, PrimeGrid, LLR
L3819	Eskam1,	TwinGen, PrimeGrid, LLR
L3820	Gonder,	PSieve, Srsieve, PrimeGrid, LLR
L3821	Furushima,	TwinGen, PrimeGrid, LLR
L3822	Fiedler1,	TwinGen, PrimeGrid, LLR
L3823	Armstrong1,	TwinGen, PrimeGrid, LLR
L3824	Mazzucato,	PSieve, Srsieve, PrimeGrid, LLR
L3825	Pestak,	PSieve, Srsieve, PrimeGrid, LLR
L3826	Silver,	TwinGen, PrimeGrid, LLR
L3827	Romanov,	TwinGen, PrimeGrid, LLR
L3828	Laeufer,	TwinGen, PrimeGrid, LLR
L3829	Abrahmi,	TwinGen, PrimeGrid, LLR
L3830	Szulc,	PSieve, Srsieve, PrimeGrid, LLR
L3831	Bird1,	TwinGen, PrimeGrid, LLR
L3832	Wang2,	TwinGen, PrimeGrid, LLR
L3833	Hakvoort,	PSieve, Srsieve, PrimeGrid, LLR
L3834	Wallace,	PSieve, Srsieve, PrimeGrid, LLR
L3835	Bauer2,	PSieve, Srsieve, PrimeGrid, LLR
L3836	Berlitz,	PSieve, Srsieve, PrimeGrid, LLR
L3837	Martin4,	TwinGen, PrimeGrid, LLR
L3838	Boyden,	PSieve, Srsieve, PrimeGrid, LLR
L3839	Batalov,	EMSieve, LLR

	<u>code</u>	<u>description</u>
L3840		Gutschow, TwinGen, PrimeGrid, LLR
L3841		Bruneton, TwinGen, PrimeGrid, LLR
L3842		Toda, TwinGen, PrimeGrid, LLR
L3843		Whiteley, PSieve, Srsieve, PrimeGrid, LLR
L3844		Sorbera, PSieve, Srsieve, NPLB, LLR
L3845		Spencer1, TwinGen, PrimeGrid, LLR
L3846		Glosowitz, TwinGen, PrimeGrid, LLR
L3847		Clifton, TwinGen, PrimeGrid, LLR
L3848		Bartlett2, PSieve, Srsieve, PrimeGrid, LLR
L3849		Smith10, Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3850		Moreau, PSieve, Srsieve, PrimeGrid, LLR
L3851		Lee6, PSieve, Srsieve, PrimeGrid, LLR
L3852		Huang2, TwinGen, PrimeGrid, LLR
L3853		Glinka, TwinGen, PrimeGrid, LLR
L3854		Ward1, PSieve, Srsieve, PrimeGrid, LLR
L3855		Lunner, PSieve, Srsieve, PrimeGrid, LLR
L3856		BoudierDucloy, PSieve, Srsieve, PrimeGrid, LLR
L3857		Hudec, PSieve, Srsieve, PrimeGrid, LLR
L3858		Martinez2, TwinGen, PrimeGrid, LLR
L3859		Clifton, PSieve, Srsieve, PrimeGrid, LLR
L3860		Cimrman, PSieve, Srsieve, PrimeGrid, LLR
L3861		Roemer, PSieve, Srsieve, PrimeGrid, LLR
L3862		Gudenschwager, PSieve, Srsieve, PrimeGrid, LLR
L3863		WaldenForrest, PSieve, Srsieve, PrimeGrid, LLR
L3864		Piantoni, PSieve, Srsieve, PrimeGrid, LLR
L3865		Silva, PSieve, Srsieve, PrimeGrid, LLR
L3866		Berman, TwinGen, PrimeGrid, LLR
L3867		Traebert, PSieve, Srsieve, PrimeGrid, LLR
L3868		Miller3, PSieve, Srsieve, PrimeGrid, LLR
L3869		Cholt, Srsieve, PrimeGrid, SierpinskiRiesel, LLR
L3870		Inouye, PSieve, Srsieve, NPLB, LLR
L3871		Olsen, TwinGen, PrimeGrid, LLR
L3872		Huang2, PSieve, Srsieve, PrimeGrid, LLR
L3873		Sala, PSieve, Srsieve, PrimeGrid, LLR
L3874		Isaev, TwinGen, PrimeGrid, LLR
L3875		Clark4, PSieve, Srsieve, PrimeGrid, LLR
L3876		Apreutesei, PSieve, Srsieve, PrimeGrid, LLR
L3877		Jarne, PSieve, Srsieve, PrimeGrid, LLR
L3878		Fiedler1, PSieve, Srsieve, PrimeGrid, LLR
L3879		Miller4, PSieve, Srsieve, PrimeGrid, LLR
L3880		Kieschnick, TwinGen, PrimeGrid, LLR
L3881		Qi1, PSieve, Srsieve, PrimeGrid, LLR
L3882		Friedrichsen, PSieve, Srsieve, PrimeGrid, LLR
L3883		Chell, TwinGen, PrimeGrid, LLR
L3884		Chandler1, TwinGen, PrimeGrid, LLR
L3885		Chandler1, PSieve, Srsieve, PrimeGrid, LLR
L3886		Vogel, Srsieve, CRUS, LLR
L3887		Byerly, PSieve, Rieselprime, LLR
L3888		Ferrara1, PSieve, Srsieve, PrimeGrid, LLR
L3889		Duerstock, PSieve, Srsieve, PrimeGrid, LLR

	<u>code</u>	<u>description</u>
L3890		Beeson, PSieve, Srsieve, PrimeGrid, LLR
L3891		Xi, TwinGen, PrimeGrid, LLR
L3892		Chew, TwinGen, PrimeGrid, LLR
L3893		Koshikawa, PSieve, Srsieve, PrimeGrid, LLR
L3894		YeattsJr, PSieve, Srsieve, PrimeGrid, LLR
L3895		Englehard1, PSieve, Srsieve, PrimeGrid, LLR
M		Morain
MM		Morii
O		Oakes
p3		Dohmen, OpenPFGW
p8		Caldwell, OpenPFGW
p12		Water, OpenPFGW
p16		Heuer, OpenPFGW
p21		Anderson, Robinson, OpenPFGW
p35		Augustin, NewPGen, OpenPFGW
p44		Broadhurst, OpenPFGW
p49		Berg, OpenPFGW
p54		Water, Broadhurst, OpenPFGW
p58		Glover, Oakes, OpenPFGW
p65		DavisK, Kuosa, OpenPFGW
p77		Harvey, MultiSieve, GenWoodall, OpenPFGW
p85		Marchal, Carmody, Kuosa, OpenPFGW
p102		Underwood, Frind, OpenPFGW
p114		Samidoost, FermFact, PRP, OpenPFGW
p133		Sun, NewPGen, OpenPFGW
p148		Yama, Noda, Nohara, PRP, NewPGen, MatGFN, OpenPFGW
p155		DavisK, NewPGen, OpenPFGW
p158		Paridon, NewPGen, OpenPFGW
p160		Ayuchan, AthGFNSieve, OpenPFGW
p166		Yamada, Noda, Nohara, PRP, NewPGen, MatGFN, OpenPFGW
p169		Eaton, PRP, NewPGen, OpenPFGW
p170		$Wu_T$ , <i>Primo</i> , <i>OpenPFGW</i>
p179		DavisK, APTreeSieve, OpenPFGW
p189		Bohanon, LLR, OpenPFGW
p190		DiMaria, NewPGen, OpenPFGW
p193		Irvine, Broadhurst, Primo, OpenPFGW
p196		Masser, Srsieve, PRP, SierpinskiRiesel, OpenPFGW
p199		Broadhurst, NewPGen, OpenPFGW
p221		AndersonLee, NewPGen, OpenPFGW
p227		Harvey, Srsieve, PRP, OpenPFGW
p231		Petat, Srsieve, PRP, CRUS, OpenPFGW
p235		Bedwell, OpenPFGW
p236		Cooper, PRP, NewPGen, OpenPFGW
p252		Oakes, NewPGen, OpenPFGW
p254		Vogel, Srsieve, CRUS, OpenPFGW
p255		Siemelink, Srsieve, CRUS, OpenPFGW
p256		Chatfield, Srsieve, CRUS, OpenPFGW
p258		Batalov, Srsieve, CRUS, OpenPFGW
p259		Underbakke, GenefX64, AthGFNSieve, OpenPFGW
p260		Harvey, Gcwsieve, <u>MultiSieve</u> , GenWoodall, OpenPFGW

	<u>code</u>	<u>description</u>
p261	Gunn,	Srsieve, CRUS, OpenPFGW
p262	Vogel,	Gcwsieve, MultiSieve, PrimeGrid, OpenPFGW
p265	Jaworski,	Srsieve, Prime95, CRUS, OpenPFGW
p267	Domanov1,	Srsieve, Prime95, CRUS, OpenPFGW
p268	Rodenkirch,	Srsieve, CRUS, OpenPFGW
p271	Dettweiler,	Srsieve, CRUS, OpenPFGW
p279	Domanov1,	Srsieve, Prime95, Rieselprime, OpenPFGW
p280	Vogel,	Srsieve, SierpinskiRiesel, OpenPFGW
p281	Domanov1,	Srsieve, Prime95, NPLB, OpenPFGW
p284	Fredriksen,	Srsieve, SierpinskiRiesel, OpenPFGW
p286	Batalov,	Srsieve, OpenPFGW
p289	Steine,	Srsieve, CRUS, OpenPFGW
p290	Domanov1,	Fpsieve, PrimeGrid, OpenPFGW
p292	Dausch,	Srsieve, SierpinskiRiesel, OpenPFGW
p294	Domanov1,	Srsieve, Prime95, Rieselprime, OpenPFGW
p295	Angel,	NewPGen, OpenPFGW
p296	Kaiser1,	Srsieve, LLR, OpenPFGW
p297	Broadhurst,	Srsieve, LLR, NewPGen, OpenPFGW
p300	Gramolin,	NewPGen, OpenPFGW
p301	Winskill1,	Fpsieve, PrimeGrid, OpenPFGW
p302	Gasewicz,	Fpsieve, PrimeGrid, OpenPFGW
p304	Babb,	Srsieve, SierpinskiRiesel, OpenPFGW
p305	Gasewicz,	Srsieve, SierpinskiRiesel, OpenPFGW
p306	Poulter,	Srsieve, SierpinskiRiesel, OpenPFGW
p307	Dinkel,	Srsieve, SierpinskiRiesel, OpenPFGW
p308	DavisK,	Underwood, NewPGen, PrimeForm <sub>e</sub> group, <i>OpenPFGW</i>
p309	Yama,	GenefX64, AthGFNSieve, PrimeGrid, OpenPFGW
p310	Hubbard,	Gcwsieve, MultiSieve, PrimeGrid, OpenPFGW
p311	DUrso,	NewPGen, OpenPFGW
p312	Doggart,	Fpsieve, PrimeGrid, OpenPFGW
p314	Hubbard,	GenefX64, AthGFNSieve, PrimeGrid, OpenPFGW
p316	Yama,	GeneFer, AthGFNSieve, PrimeGrid, OpenPFGW
p320	Hron,	GenefX64, AthGFNSieve, PrimeGrid, OpenPFGW
p321	Dinkel,	Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW
p322	Harvey,	Srsieve, NewPGen, OpenPFGW
p323	Myllyvirta,	Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW
p324	Bliedung,	Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW
p325	Broadhurst,	Gcwsieve, MultiSieve, OpenPFGW
p332	Johnson6,	GeneferCUDA, AthGFNSieve, PrimeGrid, OpenPFGW
p333	Willig,	Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW
p334	Goetz,	GeneferCUDA, AthGFNSieve, PrimeGrid, OpenPFGW
p335	Tervooren,	OpenPFGW
p338	Tomecko,	GeneferCUDA, AthGFNSieve, PrimeGrid, OpenPFGW
p339	Zhou,	LLR, OpenPFGW
p341	Schmidt2,	Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW
p342	Trice,	OpenPFGW
p343	Brown1,	GeneFer, AthGFNSieve, PrimeGrid, OpenPFGW
p346	Burt,	Fpsieve, PrimeGrid, OpenPFGW
p349	Kaiser1,	NewPGen, OpenPFGW
p350	Koen,	Gcwsieve, <u>GenWoodall</u> , OpenPFGW

	<u>code</u>	<u>description</u>
p351	Lewis1, Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW	
p352	Hubbard, Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW	
p353	Yost, Srsieve, PrimeGrid, SierpinskiRiesel, OpenPFGW	
p354	Koen, Gcwsieve, OpenPFGW	
p355	Domanov1, Srsieve, CRUS, OpenPFGW	
p356	Rajala, Srsieve, NewPGen, OpenPFGW	
p357	Gruenewald, Gcwsieve, GenWoodall, OpenPFGW	
p358	Rajala, Srsieve, Proth.exe, OpenPFGW	
p360	Kinne, Exoo, OpenPFGW	
p362	Snow, Fpsieve, PrimeGrid, OpenPFGW	
p363	Batalov, OpenPFGW	
p364	Batalov, NewPGen, OpenPFGW	
p365	Poplin, Srsieve, CRUS, OpenPFGW	
p366	Demeyer, Siemelink, Srsieve, CRUS, OpenPFGW	
p371	Keiser, OpenPFGW	
p373	Morelli, OpenPFGW	
p374	Lasher, Ksieve, TOPS, OpenPFGW	
p375	Gevay, Vatai, Farkas, Jarai, OpenPFGW	
PM	Mihailescu	
S	Slowinski	
SB10	Agafonov, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP	
SB11	Sunde, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP	
SB4	DiMichele, Proth.exe, SB, PRP	
SB5	Coels, Proth.exe, SB, PRP	
SB6	Sundquist, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP	
SB7	Team $prime_{Rib}$ , SoBSieve, ProthSieve, Ksieve, SB, PRP	
SB8	Gordon, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP	
SB9	Hassler, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP	
SG	Slowinski, Gage	
WC	Colquitt, Welsh	
WD	Dubner, Williams, Cruncher	
WM	Morain, Williams	
x13	Renze	
x14	Steward, Primo, OpenPFGW	
x16	Doumen, Beelen	
x20	Irvine, Water, Broadhurst	
x23	Water, Renze, Broadhurst, Primo, OpenPFGW	
x24	Jarai $_Z$ , Farkas, Csajbok, Kasza, Jarai	
x25	Water, Broadhurst, Primo, OpenPFGW	
x28	Iskra	
x29	Broadhurst, OpenPFGW	
x33	Carmody, Water, Renze, Broadhurst, Primo, OpenPFGW	
x34	Caldwell, Broadhurst, OpenPFGW	
x36	Irvine, Carmody, Water, Renze, Broadhurst, Primo, OpenPFGW	
x38	Broadhurst, Primo, OpenPFGW	
x39	Dubner, Keller, Broadhurst, Primo, OpenPFGW	
x41	Abatzoglou, Wong3, Silverberg, Sutherland	
Y	Young	