

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

(Last Updated Sat Jul 4 02:50:49 CDT 2009)

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	$2^{43112609} - 1$	12978189	G10	08	Mersenne 47??
2	$2^{42643801} - 1$	12837064	G12	09	Mersenne 46??
3	$2^{37156667} - 1$	11185272	G11	08	Mersenne 45??
4	$2^{32582657} - 1$	9808358	G9	06	Mersenne 44??
5	$2^{30402457} - 1$	9152052	G9	05	Mersenne 43??
6	$2^{25964951} - 1$	7816230	G8	05	Mersenne 42?
7	$2^{24036583} - 1$	7235733	G7	04	Mersenne 41?
8	$2^{20996011} - 1$	6320430	G6	03	Mersenne 40?
9	$2^{13466917} - 1$	4053946	G5	01	Mersenne 39
10	$19249 \cdot 2^{13018586} + 1$	3918990	SB10	07	
11	$27653 \cdot 2^{9167433} + 1$	2759677	SB8	05	
12	$28433 \cdot 2^{7830457} + 1$	2357207	SB7	04	
13	$33661 \cdot 2^{7031232} + 1$	2116617	SB11	07	
14	$2^{6972593} - 1$	2098960	G4	99	Mersenne 38
15	$1582137 \cdot 2^{6328550} + 1$	1905090	L801	09	Cullen
16	$258317 \cdot 2^{5450519} + 1$	1640776	g414	08	
17	$3 \cdot 2^{5082306} + 1$	1529928	L780	09	Divides $GF(5082303, 3)$, $GF(5082305, 5)$
18	$5359 \cdot 2^{5054502} + 1$	1521561	SB6	03	
19	$265711 \cdot 2^{4858008} + 1$	1462412	g414	08	
20	$3 \cdot 2^{4235414} - 1$	1274988	L606	08	
21	$24518^{262144} + 1$	1150678	g413	08	Generalized Fermat
22	$938237 \cdot 2^{3752950} - 1$	1129757	L521	07	Woodall
23	$485767 \cdot 2^{3609357} - 1$	1086531	L622	08	

rank	description	digits	who	year	comment
24	$5 \cdot 2^{3569154} - 1$	1074424	L503	09	
25	$7 \cdot 2^{3511774} + 1$	1057151	p236	08	Divides $GF(3511773, 6)$
26	$3139 \cdot 2^{3321905} - 1$	999997	L185	08	
27	$4847 \cdot 2^{3321063} + 1$	999744	SB9	05	
28	$113983 \cdot 2^{3201175} - 1$	963655	L613	08	
29	$3 \cdot 2^{3136255} - 1$	944108	L256	07	
30	$5 \cdot 2^{3059698} - 1$	921062	L503	08	
31	$2^{3021377} - 1$	909526	G3	98	Mersenne 37
32	$7 \cdot 2^{3015762} + 1$	907836	g279	08	
33	$4348099 \cdot 2^{2976221} - 1$	895939	L466	08	
34	$2^{2976221} - 1$	895932	G2	97	Mersenne 36
35	$7 \cdot 2^{2915954} + 1$	877791	g279	08	Divides $GF(2915953, 12)$ [g322]
36	$222361 \cdot 2^{2854840} + 1$	859398	g403	06	
37	$1372930^{131072} + 1$	804474	g236	03	Generalized Fermat
38	$1361244^{131072} + 1$	803988	g236	04	Generalized Fermat
39	$1176694^{131072} + 1$	795695	g236	03	Generalized Fermat
40	$342673 \cdot 2^{2639439} - 1$	794556	L53	07	
41	$572186^{131072} + 1$	754652	g0	04	Generalized Fermat
42	$3 \cdot 2^{2478785} + 1$	746190	g245	03	Divides Fermat $F(2478782)$, $GF(2478782, 3)$, $GF(2478776, 6)$, $GF(2478782, 12)$
43	$26773 \cdot 2^{2465343} - 1$	742147	L197	06	
44	$5 \cdot 2^{2460482} - 1$	740680	L503	08	
45	$737 \cdot 2^{2382804} - 1$	717299	L191	07	
46	$1183953 \cdot 2^{2367907} - 1$	712818	L447	07	Woodall
47	$275293 \cdot 2^{2335007} - 1$	702913	L193	06	
48	$3 \cdot 2^{2312734} - 1$	696203	L158	05	
49	$450457 \cdot 2^{2307905} - 1$	694755	L172	06	
50	$3 \cdot 2^{2291610} + 1$	689844	L753	08	Divides $GF(2291607, 3)$, $GF(2291609, 5)$
51	$130816^{131072} + 1$	670651	g308	03	Generalized Fermat
52	$19 \cdot 2^{2206266} + 1$	664154	p189	06	
53	$5077 \cdot 2^{2198565} - 1$	661838	L251	08	
54	$114487 \cdot 2^{2198389} - 1$	661787	L179	06	
55	$196597 \cdot 2^{2178109} - 1$	655682	L175	06	
56	$7 \cdot 2^{2167800} + 1$	652574	g279	07	Divides Fermat $F(2167797)$, $GF(2167799, 5)$, $GF(2167799, 10)$
57	$3 \cdot 2^{2145353} + 1$	645817	g245	03	Divides Fermat $F(2145351)$, $GF(2145351, 3)$, $GF(2145352, 5)$, $GF(2145348, 6)$, $GF(2145352, 10)$, $GF(2145351, 12)$
58	$23 \cdot 2^{2141626} - 1$	644696	L545	08	
59	$7 \cdot 2^{2139912} + 1$	644179	g279	07	Divides $GF(2139911, 12)$
60	$62722^{131072} + 1$	628808	g308	03	Generalized Fermat
61	$1003 \cdot 2^{2076535} - 1$	625103	L51	08	
62	$9 \cdot 2^{2060941} - 1$	620407	L503	08	

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63	$121 \cdot 2^{2033941} - 1$	612280	L162	06	
64	$251749 \cdot 2^{2013995} - 1$	606279	L436	07	Woodall
65	$467917 \cdot 2^{1993429} - 1$	600088	L160	05	
66	$137137 \cdot 2^{1993201} - 1$	600019	L321	07	
67	$17 \cdot 2^{1990299} + 1$	599141	g267	06	Divides $GF(1990298, 3)$
68	$25 \cdot 2^{1977369} - 1$	595249	L426	08	
69	$121 \cdot 2^{1954243} - 1$	588288	L162	06	
70	$214519 \cdot 2^{1929114} + 1$	580727	g346	06	
71	$345067 \cdot 2^{1876573} - 1$	564911	g59	05	
72	$13 \cdot 2^{1861732} + 1$	560439	g267	05	Divides $GF(1861731, 6)$
73	$137 \cdot 2^{1849238} - 1$	556679	L321	07	
74	$15 \cdot 2^{1837873} - 1$	553257	L632	08	
75	$3 \cdot 2^{1832496} + 1$	551637	p189	07	Divides $GF(1832490, 3)$, $GF(1832494, 5)$
76	$21 \cdot 2^{1830919} + 1$	551163	g279	04	
77	$33 \cdot 2^{1813526} - 1$	545928	L621	08	
78	$417643 \cdot 2^{1800787} - 1$	542097	L134	05	
79	$357659 \cdot 2^{1779748} - 1$	535764	L47	05	
80	$5 \cdot 2^{1777515} + 1$	535087	p148	05	Divides $GF(1777511, 5)$, $GF(1777514, 6)$
81	$5077 \cdot 2^{1753317} - 1$	527805	L251	08	
82	$1179 \cdot 2^{1750847} + 1$	527061	g387	09	
83	$253 \cdot 2^{1722623} - 1$	518564	L145	07	
84	$121 \cdot 2^{1695499} - 1$	510399	L62	05	
85	$19 \cdot 2^{1684813} - 1$	507181	L503	08	
86	$15 \cdot 2^{1667744} + 1$	502043	g279	07	
87	$149183 \cdot 2^{1666957} + 1$	501810	g346	05	
88	$63 \cdot 2^{1659338} - 1$	499513	L503	08	
89	$61 \cdot 2^{1654383} - 1$	498021	L503	08	
90	$69 \cdot 2^{1649423} - 1$	496528	L621	08	
91	$469949 \cdot 2^{1649228} - 1$	496473	L160	07	
92	$81 \cdot 2^{1643428} + 1$	494724	g418	09	Generalized Fermat
93	$81 \cdot 2^{1606848} + 1$	483712	gt	07	Generalized Fermat
94	$15 \cdot 2^{1597510} + 1$	480900	g279	06	
95	$58753 \cdot 2^{1594323} - 1$	479944	p190	06	
96	$737 \cdot 2^{1592724} - 1$	479461	L191	06	
97	$110413 \cdot 2^{1591999} - 1$	479245	L111	05	
98	$99 \cdot 2^{1591984} - 1$	479237	L282	09	
99	$1179 \cdot 2^{1591362} + 1$	479051	g387	06	
100	$121 \cdot 2^{1589157} - 1$	478387	L65	05	
101	$19502212^{65536} + 1$	477763	p160	05	Generalized Fermat
102	$311 \cdot 2^{1581686} - 1$	476138	L623	09	
103	$17684828^{65536} + 1$	474979	g410	07	Generalized Fermat
104	$17655444^{65536} + 1$	474932	g410	07	Generalized Fermat
105	$17629398^{65536} + 1$	474890	g410	07	Generalized Fermat
106	$29 \cdot 2^{1574753} + 1$	474050	L391	08	
107	$139 \cdot 2^{1567874} + 1$	471980	p189	06	
108	$81 \cdot 2^{1544545} + 1$	464957	gt	07	
109	$234847 \cdot 2^{1535589} - 1$	462264	L73	05	
110	$121 \cdot 2^{1526097} - 1$	459404	L65	05	

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111	$19709699 \cdot 2^{1521540} - 1$	458037	L421	08	
112	$13 \cdot 2^{1499876} + 1$	451509	g267	04	Divides $GF(1499875, 3)$
113	$7 \cdot 2^{1491852} + 1$	449094	p166	05	Divides $GF(1491851, 6)$
114	$2232007 \cdot 2^{1490605} - 1$	448724	L4	03	
115	$9 \cdot 2^{1481821} - 1$	446074	L503	08	
116	$29 \cdot 2^{1478344} - 1$	445028	L10	05	
117	$27 \cdot 2^{1476347} + 1$	444427	g279	05	
118	$325627 \cdot 2^{1472117} - 1$	443157	L111	05	
119	$1467763 \cdot 2^{1467763} - 1$	441847	L381	07	Woodall
120	$77 \cdot 2^{1467554} - 1$	441780	L145	06	
121	$99 \cdot 2^{1461496} - 1$	439957	L282	09	
122	$21 \cdot 2^{1452771} - 1$	437329	L503	08	
123	$23 \cdot 2^{1448461} + 1$	436032	L170	08	
124	$19 \cdot 2^{1434165} - 1$	431728	L503	08	
125	$113 \cdot 2^{1425998} - 1$	429271	L257	08	
126	$21 \cdot 2^{1421741} + 1$	427989	g279	05	
127	$15 \cdot 2^{1418605} + 1$	427044	g279	06	Divides $GF(1418600, 5)$, $GF(1418601, 6)$
128	$29 \cdot 2^{1416873} + 1$	426523	g305	07	
129	$149797 \cdot 2^{1414137} - 1$	425703	L105	05	
130	$127 \cdot 2^{1398889} - 1$	421110	L486	08	
131	$1564347 \cdot 2^{1398269} - 1$	420928	L466	08	
132	$2^{1398269} - 1$	420921	G1	96	Mersenne 35
133	$192089 \cdot 2^{1395688} - 1$	420150	L49	04	
134	$113 \cdot 2^{1389674} - 1$	418336	L257	08	
135	$17 \cdot 2^{1388355} + 1$	417938	g267	05	Divides $GF(1388354, 10)$
136	$2187182^{65536} + 1$	415491	g260	09	Generalized Fermat
137	$2177038^{65536} + 1$	415359	g260	08	Generalized Fermat
138	$2162068^{65536} + 1$	415162	g260	08	Generalized Fermat
139	$15 \cdot 2^{1368428} + 1$	411940	g279	06	
140	$1874512^{65536} + 1$	411101	g413	08	Generalized Fermat
141	$241489 \cdot 2^{1365062} + 1$	410930	L101	05	
142	$1828502^{65536} + 1$	410393	GF2	05	Generalized Fermat
143	$35 \cdot 2^{1357881} + 1$	408765	g279	06	
144	$338707 \cdot 2^{1354830} + 1$	407850	L124	05	Cullen
145	$1540550^{65536} + 1$	405516	GF2	03	Generalized Fermat
146	$15 \cdot 2^{1344313} - 1$	404680	L139	07	
147	$1483076^{65536} + 1$	404434	GF2	03	Generalized Fermat
148	$11 \cdot 2^{1343347} + 1$	404389	p169	05	Divides $GF(1343346, 6)$
149	$1478036^{65536} + 1$	404337	GF2	02	Generalized Fermat
150	$54767 \cdot 2^{1337287} + 1$	402569	SB5	02	
151	$1374038^{65536} + 1$	402260	GF3	03	Generalized Fermat
152	$81 \cdot 2^{1335675} - 1$	402081	L268	08	
153	$1361846^{65536} + 1$	402007	GF3	02	Generalized Fermat
154	$1266062^{65536} + 1$	399931	g295	02	Generalized Fermat
155	$5 \cdot 2^{1320487} + 1$	397507	g55	02	Divides $GF(1320486, 12)$
156	$1057476^{65536} + 1$	394807	g197	02	Generalized Fermat
157	$1024390^{65536} + 1$	393902	g299	03	Generalized Fermat
158	$25 \cdot 2^{1298186} + 1$	390795	g279	05	Generalized Fermat
159	$99 \cdot 2^{1292395} - 1$	389052	L282	08	

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160	$857678^{65536} + 1$	388847	GF0	02	Generalized Fermat
161	$843832^{65536} + 1$	388384	GF0	01	Generalized Fermat
162	$138847 \cdot 2^{1283793} - 1$	386466	L2	03	
163	$5 \cdot 2^{1282755} + 1$	386149	g55	02	Divides $GF(1282754, 3)$, $GF(1282748, 5)$
164	$15 \cdot 2^{1276177} + 1$	384169	g279	06	Divides $GF(1276174, 3)$, $GF(1276174, 10)$
165	$1268979 \cdot 2^{1268979} - 1$	382007	L201	07	Woodall
166	$671600^{65536} + 1$	381886	g55	02	Generalized Fermat
167	$11 \cdot 2^{1261478} - 1$	379744	L163	06	
168	$25 \cdot 2^{1258562} + 1$	378867	g279	04	Generalized Fermat
169	$2084259 \cdot 2^{1257787} - 1$	378638	L466	08	
170	$26869 \cdot 2^{1257787} - 1$	378637	L466	07	
171	$2^{1257787} - 1$	378632	SG	96	Mersenne 34
172	$49 \cdot 2^{1257295} - 1$	378486	L217	08	
173	$6201 \cdot 2^{1257068} + 1$	378419	L667	08	
174	$81 \cdot 2^{1254155} + 1$	377541	gt	07	
175	$27 \cdot 2^{1253870} - 1$	377454	L65	08	
176	$80857169 \cdot 2^{1251076} - 1$	376620	L10	04	
177	$549868^{65536} + 1$	376194	g295	03	Generalized Fermat
178	$544118^{65536} + 1$	375895	g295	02	Generalized Fermat
179	$15 \cdot 2^{1244377} + 1$	374596	g279	06	
180	$257708 \cdot 5^{535176} - 1$	374078	p196	07	
181	$21 \cdot 2^{1240067} + 1$	373299	g279	04	
182	$43 \cdot 2^{1235298} + 1$	371864	g279	06	
183	$3 \cdot 2^{1232255} - 1$	370947	L30	04	
184	$15 \cdot 2^{1229600} + 1$	370148	g279	06	
185	$19581121 \cdot 2^{1229561} - 1$	370143	p49	08	
186	$440846^{65536} + 1$	369904	GC1	02	Generalized Fermat
187	$177482 \cdot 117^{177482} + 1$	367072	g407	08	Generalized Cullen
188	$25 \cdot 2^{1211488} + 1$	364696	g279	05	Generalized Fermat, divides $GF(1211487, 12)$
189	$357868^{65536} + 1$	363969	g266	03	Generalized Fermat
190	$2^{1203793} - 2^{601897} + 1$	362378	L192	06	Gaussian Mersenne norm 37?
191	$3 \cdot 2^{1201046} - 1$	361552	L77	04	
192	$502541 \cdot 2^{1199930} - 1$	361221	L93	04	
193	$1195203 \cdot 2^{1195203} - 1$	359799	L124	05	Woodall
194	$5 \cdot 2^{1194164} - 1$	359480	L478	08	
195	$292550^{65536} + 1$	358233	GC2	02	Generalized Fermat
196	$291726^{65536} + 1$	358153	GC2	02	Generalized Fermat
197	$71009 \cdot 2^{1185112} - 1$	356760	L47	04	
198	$255694^{65536} + 1$	354401	g266	02	Generalized Fermat
199	$617 \cdot 2^{1175468} - 1$	353854	L426	07	
200	$21 \cdot 2^{1170083} - 1$	352232	L503	08	
201	$27 \cdot 2^{1164664} + 1$	350601	g279	05	
202	$27 \cdot 2^{1163629} - 1$	350289	L503	08	
203	$55 \cdot 2^{1162155} - 1$	349846	L545	08	
204	$69109 \cdot 2^{1157446} + 1$	348431	SB4	02	
205	$152713 \cdot 2^{1154707} - 1$	347607	g23	04	
206	$29 \cdot 2^{1152765} + 1$	347019	g300	05	Divides $GF(1152760, 10)$

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207	$189590^{65536} + 1$	345887	g262	02	Generalized Fermat
208	$350107 \cdot 2^{1144101} - 1$	344415	L35	04	
209	$31 \cdot 2^{1142093} - 1$	343806	L503	08	
210	$209826493 \cdot 2^{1140855} - 1$	343440	L10	04	
211	$500621 \cdot 2^{1138518} - 1$	342734	L73	04	
212	$504613 \cdot 2^{1136459} - 1$	342114	L84	04	
213	$33 \cdot 2^{1130884} + 1$	340432	L165	06	Divides $GF(1130881, 12)$
214	$64 \cdot 3^{712171} + 1$	339794	x28	06	
215	$63 \cdot 2^{1126551} - 1$	339128	L323	08	
216	$842711 \cdot 2^{1126138} - 1$	339008	L251	09	
217	$177 \cdot 2^{1121720} + 1$	337674	L129	06	
218	$141146^{65536} + 1$	337489	g281	02	Generalized Fermat
219	$165 \cdot 2^{1117217} + 1$	336319	g196	07	
220	$33 \cdot 2^{1115902} - 1$	335922	L488	08	
221	$27 \cdot 2^{1108214} - 1$	333608	L590	08	
222	$99 \cdot 2^{1106989} - 1$	333239	L486	07	
223	$11 \cdot 2^{1104606} - 1$	332521	L10	05	
224	$49 \cdot 2^{1103430} + 1$	332168	L669	09	Generalized Fermat
225	$165 \cdot 2^{1100755} + 1$	331363	g196	07	
226	$289 \cdot 2^{1098117} - 1$	330569	L6	06	
227	$19433 \cdot 2^{1096861} + 1$	330193	g411	08	
228	$108368^{65536} + 1$	329968	g181	01	Generalized Fermat
229	$43 \cdot 2^{1087992} + 1$	327520	g279	06	
230	$45 \cdot 2^{1086062} + 1$	326939	L669	09	
231	$412717 \cdot 2^{1084409} - 1$	326446	L76	04	
232	$15 \cdot 2^{1084010} - 1$	326321	L139	06	
233	$103 \cdot 2^{1077739} - 1$	324434	L621	09	
234	$150847 \cdot 2^{1076441} - 1$	324047	L73	04	
235	$55 \cdot 2^{1075711} - 1$	323824	L545	08	
236	$85 \cdot 2^{1072368} + 1$	322817	g267	06	
237	$209826493 \cdot 2^{1071303} - 1$	322503	L10	04	
238	$63 \cdot 2^{1070449} + 1$	322240	L669	09	
239	$107 \cdot 2^{1070256} - 1$	322182	L621	08	
240	$2203 \cdot 2^{1069647} - 1$	322000	L123	06	
241	$53 \cdot 2^{1066381} + 1$	321015	L669	09	
242	$133 \cdot 2^{1065655} - 1$	320797	L632	08	
243	$257 \cdot 2^{1064062} - 1$	320317	L632	08	
244	$217 \cdot 2^{1059961} - 1$	319083	L639	08	
245	$41 \cdot 2^{1059562} - 1$	318962	L282	09	
246	$864316301 \cdot 2^{1055106} - 1$	317628	L426	07	
247	$9 \cdot 2^{1051026} + 1$	316392	p156	04	Generalized Fermat
248	$12345 \cdot 2^{1047788} - 1$	315420	L426	09	
249	$11 \cdot 2^{1044086} - 1$	314303	L10	05	
250	$105 \cdot 2^{1043063} - 1$	313996	L384	09	
251	$151515 \cdot 2^{1043018} - 1$	313985	L426	07	
252	$35 \cdot 2^{1040005} + 1$	313075	g279	06	
253	$121 \cdot 2^{1039965} - 1$	313063	L65	04	
254	$958 \cdot 11^{300544} + 1$	312988	p217	08	
255	$13 \cdot 2^{1038896} + 1$	312740	g267	04	
256	$85 \cdot 2^{1034069} - 1$	311288	L323	07	

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257	$217 \cdot 2^{1026869} - 1$	309121	L632	08	
258	$91 \cdot 2^{1026521} - 1$	309016	L323	08	
259	$31838235 \cdot 2^{1025596} + 1$	308743	p190	06	
260	$21 \cdot 2^{1022168} + 1$	307705	g279	04	
261	$48594^{65536} + 1$	307140	g141	00	Generalized Fermat
262	$205 \cdot 2^{1019679} - 1$	306957	L632	08	
263	$65567 \cdot 2^{1013803} + 1$	305190	SB2	02	
264	$6119 \cdot 2^{1011416} - 1$	304471	L251	07	
265	$9 \cdot 2^{1010277} - 1$	304125	L80	07	
266	$165 \cdot 2^{1010133} + 1$	304083	g196	07	
267	$729 \cdot 2^{1003373} - 1$	302049	L466	08	
268	$603 \cdot 2^{1002662} + 1$	301835	p219	07	
269	$945 \cdot 2^{1001719} + 1$	301551	p219	07	
270	$103 \cdot 2^{1001214} + 1$	301398	p219	07	
271	$869 \cdot 2^{1000725} + 1$	301252	p114	05	
272	$8009271 \cdot 2^{1000005} - 1$	301039	g396	09	
273	$1611111 \cdot 2^{1000000} + 1$	301037	p197	07	
274	$1089927 \cdot 2^{1000000} + 1$	301037	p197	06	
275	$32883 \cdot 2^{1000004} + 1$	301036	p86	02	
276	$21 \cdot 2^{999599} - 1$	300911	L56	05	
277	$215 \cdot 2^{999170} - 1$	300783	L323	08	
278	$81 \cdot 2^{998065} + 1$	300450	gt	07	
279	$243 \cdot 2^{997537} + 1$	300291	L165	08	
280	$1515 \cdot 2^{996848} - 1$	300085	L200	07	
281	$351351 \cdot 2^{996709} - 1$	300045	L80	06	
282	$291 \cdot 2^{996371} - 1$	299941	L261	08	
283	$44131 \cdot 2^{995972} + 1$	299823	SB3	02	
284	$75 \cdot 2^{995721} - 1$	299744	L257	08	
285	$75 \cdot 2^{995208} + 1$	299590	L669	09	
286	$3 \cdot 2^{992700} - 1$	298833	L59	04	
287	$2^{991961} - 2^{495981} + 1$	298611	x28	05	Gaussian Mersenne norm 36
288	$9615 \cdot 2^{991347} - 1$	298430	L644	09	
289	$93 \cdot 2^{990684} - 1$	298228	L282	08	
290	$121 \cdot 2^{990219} - 1$	298088	L66	04	
291	$21 \cdot 2^{986130} - 1$	296857	L56	05	
292	$103 \cdot 2^{984667} - 1$	296417	L621	09	
293	$395 \cdot 2^{983160} - 1$	295964	L644	09	
294	$403 \cdot 2^{981831} - 1$	295564	L284	08	
295	$317 \cdot 2^{981378} - 1$	295427	L623	08	
296	$303 \cdot 2^{978724} - 1$	294628	L548	08	
297	$137137 \cdot 2^{978229} - 1$	294482	L321	07	
298	$69 \cdot 2^{978209} - 1$	294473	L260	07	
299	$103 \cdot 2^{977951} - 1$	294395	L621	09	
300	$23 \cdot 2^{977541} + 1$	294271	g267	04	
301	$93 \cdot 2^{977284} + 1$	294194	L669	09	
302	$99 \cdot 2^{976049} + 1$	293823	p76	05	
303	$57 \cdot 2^{975036} + 1$	293517	p241	09	
304	$27 \cdot 2^{974752} + 1$	293432	L57	05	
305	$145 \cdot 2^{972835} - 1$	292855	L639	08	
306	$61 \cdot 2^{971585} - 1$	292479	L80	08	

rank	description	digits	who	year	comment
307	$79 \cdot 2^{969795} - 1$	291940	L80	08	
308	$229 \cdot 2^{969073} - 1$	291723	L268	08	
309	$95 \cdot 2^{968636} - 1$	291591	L80	08	
310	$143 \cdot 2^{968622} - 1$	291587	L621	08	
311	$95 \cdot 2^{966925} + 1$	291076	p241	09	
312	$3001 \cdot 2^{966755} - 1$	291026	L615	09	
313	$25 \cdot 2^{966414} + 1$	290922	g279	04	Generalized Fermat
314	$255 \cdot 2^{962590} - 1$	289771	g320	08	
315	$135 \cdot 2^{961897} - 1$	289562	L323	08	
316	$11 \cdot 2^{960901} + 1$	289262	g277	05	Divides Fermat $F(960897)$
317	$111 \cdot 2^{959671} - 1$	288892	L282	07	
318	$231 \cdot 2^{959375} - 1$	288804	L138	06	
319	$135 \cdot 2^{959059} - 1$	288708	L616	08	
320	$1845 \cdot 2^{955940} - 1$	287770	L251	09	
321	$1515 \cdot 2^{955219} - 1$	287553	L200	07	
322	$2 \cdot 827^{98511} + 1$	287407	g404	09	Divides $\Phi(827^{98511}, 2)$
323	$309 \cdot 2^{954323} - 1$	287283	L548	09	
324	$10474035 \cdot 2^{953628} - 1$	287078	L18	08	
325	$95 \cdot 2^{953153} + 1$	286930	p241	09	
326	$247 \cdot 2^{952069} - 1$	286604	L138	06	
327	$3234846615 \cdot 2^{949441} - 1$	285820	p113	08	
328	$45 \cdot 2^{949353} + 1$	285786	g107	06	
329	$1845 \cdot 2^{948584} - 1$	285556	L251	09	
330	$12345 \cdot 2^{948054} - 1$	285397	L200	07	
331	$143717 \cdot 96^{143717} + 1$	284892	g157	09	Generalized Cullen
332	$1545 \cdot 2^{946280} - 1$	284862	L251	09	
333	$167 \cdot 2^{945934} - 1$	284757	L621	08	
334	$87 \cdot 2^{942790} - 1$	283811	L145	06	
335	$25 \cdot 2^{942563} - 1$	283742	L183	06	
336	$37 \cdot 2^{939364} + 1$	282779	p122	06	
337	$277 \cdot 2^{937325} - 1$	282166	L323	09	
338	$21547 \cdot 2^{936473} - 1$	281911	L284	08	
339	$246419198025 \cdot 2^{935249} - 1$	281550	L106	07	
340	$167 \cdot 2^{934492} - 1$	281313	L621	08	
341	$291 \cdot 2^{934097} - 1$	281194	L261	08	
342	$273 \cdot 2^{930663} - 1$	280160	L260	08	
343	$165 \cdot 2^{928724} + 1$	279576	g196	07	
344	$3313 \cdot 2^{928263} - 1$	279439	L251	08	
345	$465 \cdot 2^{928115} - 1$	279394	L198	09	
346	$397 \cdot 2^{926925} - 1$	279035	L644	08	
347	$95 \cdot 2^{925235} + 1$	278526	L669	09	
348	$33 \cdot 2^{922782} + 1$	277787	L165	06	
349	$209 \cdot 2^{921484} - 1$	277397	L421	08	
350	$75 \cdot 2^{920734} + 1$	277171	p241	09	
351	$441 \cdot 2^{920683} + 1$	277156	L798	09	
352	$243163663 \cdot 2^{919087} - 1$	276682	L10	04	
353	$125 \cdot 2^{918494} - 1$	276497	L384	07	
354	$113 \cdot 2^{916801} + 1$	275987	L153	09	Divides $GF(916800, 5)$, $GF(916800, 12)$
355	$3 \cdot 2^{916773} + 1$	275977	g245	01	Divides $GF(916771, 3)$, $GF(916772, 10)$

rank	description	digits	who	year	comment
356	$19 \cdot 2^{916763} - 1$	275975	L177	07	
357	$263 \cdot 2^{916202} - 1$	275807	L426	08	
358	$195 \cdot 2^{915929} - 1$	275725	L323	09	
359	$285 \cdot 2^{915913} - 1$	275720	L261	08	
360	$63 \cdot 24^{199633} - 1$	275538	x37	09	
361	$259 \cdot 2^{914173} - 1$	275196	L639	08	
362	$331 \cdot 2^{913201} - 1$	274904	L543	08	
363	$207 \cdot 2^{912512} - 1$	274696	L330	09	
364	$10474035 \cdot 2^{910955} - 1$	274232	L18	08	
365	$83 \cdot 2^{910716} - 1$	274155	L545	08	
366	$3039469 \cdot 2^{908463} - 1$	273482	L466	09	
367	$251 \cdot 2^{907478} - 1$	273181	L421	09	
368	$399 \cdot 2^{906480} - 1$	272881	L644	08	
369	$737 \cdot 2^{906168} - 1$	272787	L191	06	
370	$42717 \cdot 2^{905792} + 1$	272676	L159	05	
371	$216751 \cdot 2^{903792} + 1$	272074	g346	04	
372	$93 \cdot 2^{903187} - 1$	271889	L282	08	
373	$15 \cdot 2^{902474} - 1$	271673	L52	06	
374	$309817 \cdot 2^{901173} - 1$	271286	L64	04	
375	$101 \cdot 2^{900358} - 1$	271037	L183	06	
376	$297 \cdot 2^{899234} - 1$	270699	L421	09	
377	$371 \cdot 2^{898690} - 1$	270536	L644	09	
378	$63 \cdot 2^{898308} + 1$	270420	p241	09	
379	$6465 \cdot 2^{897008} - 1$	270031	L20	08	
380	$43 \cdot 2^{894766} + 1$	269354	g279	06	Divides $GF(894765, 5)$
381	$153 \cdot 2^{894504} - 1$	269275	L384	09	
382	$345 \cdot 2^{894064} - 1$	269143	L536	09	
383	$3333 \cdot 2^{894014} + 1$	269129	g412	08	
384	$333 \cdot 2^{893871} - 1$	269085	L536	09	
385	$19581121 \cdot 2^{893547} - 1$	268992	p49	04	
386	$85 \cdot 2^{892568} + 1$	268692	g267	06	
387	$63 \cdot 2^{892164} + 1$	268570	p241	09	
388	$189 \cdot 2^{891876} - 1$	268484	L621	09	
389	$2995125705 \cdot 2^{891645} - 1$	268422	L145	06	
390	$95 \cdot 2^{891073} + 1$	268242	p241	09	
391	$81 \cdot 2^{889981} + 1$	267913	gt	07	
392	$165 \cdot 2^{889902} - 1$	267890	L268	08	
393	$7195377 \cdot 2^{888888} - 1$	267589	L284	08	
394	$189 \cdot 2^{888200} - 1$	267378	L323	09	
395	$1545 \cdot 2^{887559} - 1$	267186	L251	08	
396	$11 \cdot 2^{886071} + 1$	266735	g277	05	Divides $GF(886070, 12)$
397	$167 \cdot 2^{885664} - 1$	266614	L621	08	
398	$2809 \cdot 2^{883814} + 1$	266058	L123	07	Generalized Fermat
399	$5077 \cdot 2^{881829} - 1$	265461	L251	07	
400	$285 \cdot 2^{881240} - 1$	265283	L323	08	
401	$759375 \cdot 2^{880769} - 1$	265144	L284	08	
402	$193 \cdot 2^{880287} - 1$	264996	L323	08	
403	$141 \cdot 2^{878798} - 1$	264547	L282	09	
404	$117 \cdot 2^{877874} - 1$	264269	L488	08	
405	$81 \cdot 2^{877707} + 1$	264219	gt	07	

rank	description	digits	who	year	comment
406	$65 \cdot 2^{877287} + 1$	264092	p189	06	
407	$135 \cdot 2^{876997} - 1$	264005	L260	08	
408	$85 \cdot 2^{876458} + 1$	263843	g267	06	
409	$5775 \cdot 2^{876045} + 1$	263720	p189	07	
410	$108045 \cdot 2^{875337} - 1$	263508	L466	09	
411	$108045 \cdot 2^{871024} - 1$	262210	L466	09	
412	$2953 \cdot 2^{870435} - 1$	262031	L862	09	
413	$3539 \cdot 2^{869868} - 1$	261860	L251	08	
414	$327 \cdot 2^{869829} - 1$	261848	L536	09	
415	$157 \cdot 2^{869073} - 1$	261620	L585	08	
416	$69 \cdot 2^{867653} - 1$	261192	L138	06	
417	$170591 \cdot 2^{866870} - 1$	260960	L47	04	
418	$3234846615 \cdot 2^{865933} - 1$	260682	p113	07	
419	$93997 \cdot 2^{864401} - 1$	260216	L49	04	
420	$1815 \cdot 2^{863743} - 1$	260016	L251	09	
421	$19581121 \cdot 2^{862127} - 1$	259534	p49	03	
422	$10474035 \cdot 2^{860172} - 1$	258945	L18	08	
423	$203 \cdot 2^{859602} - 1$	258769	L268	08	
424	$3793717 \cdot 2^{859433} - 1$	258722	L466	09	
425	$3512185 \cdot 2^{859433} - 1$	258722	L466	09	
426	$2013289 \cdot 2^{859433} - 1$	258722	L466	07	
427	$1486245 \cdot 2^{859433} - 1$	258722	L466	07	
428	$1283911 \cdot 2^{859433} - 1$	258722	L466	07	
429	$24949 \cdot 2^{859435} - 1$	258721	L468	08	
430	$95061 \cdot 2^{859433} + 1$	258721	L466	08	
431	$2^{859433} - 1$	258716	SG	94	Mersenne 33
432	$692835 \cdot 2^{857593} - 1$	258168	L138	06	
433	$21 \cdot 2^{856865} + 1$	257944	g279	04	
434	$736320585 \cdot 2^{856778} - 1$	257925	L426	08	
435	$265 \cdot 2^{856293} - 1$	257773	L548	08	
436	$77 \cdot 2^{855770} - 1$	257615	L56	05	
437	$19 \cdot 2^{853546} + 1$	256945	g381	05	
438	$2951 \cdot 2^{852818} - 1$	256728	L862	09	
439	$83 \cdot 2^{851092} - 1$	256207	L80	07	
440	$43541 \cdot 2^{850394} - 1$	255999	L251	08	
441	$261 \cdot 2^{850383} - 1$	255994	L478	07	
442	$377 \cdot 2^{850160} - 1$	255927	L644	09	
443	$1471 \cdot 2^{848765} - 1$	255507	L421	08	
444	$Phi(3, 1 - 3^{267414})/3$	255178	x28	05	Generalized unique
445	$315 \cdot 2^{846610} - 1$	254858	L585	09	
446	$1581823815 \cdot 2^{846116} - 1$	254716	L83	05	
447	$51 \cdot 2^{845494} - 1$	254521	L80	07	
448	$147687 \cdot 2^{843689} - 1$	253981	L550	09	
449	$97 \cdot 2^{843205} - 1$	253832	L145	06	
450	$325 \cdot 2^{842787} - 1$	253707	L848	09	
451	$2039 \cdot 2^{841312} - 1$	253264	L251	08	
452	$201 \cdot 2^{840735} - 1$	253089	L282	07	
453	$165 \cdot 2^{840038} - 1$	252879	L268	08	
454	$57 \cdot 2^{839446} - 1$	252701	L80	07	
455	$35 \cdot 2^{839082} - 1$	252591	L325	07	

rank	description	digits	who	year	comment
456	$2607 \cdot 2^{838647} + 1$	252462	g61	07	
457	$1977 \cdot 2^{838330} - 1$	252366	L621	08	
458	$187 \cdot 2^{838101} - 1$	252296	L632	08	
459	$175268 \cdot 5^{360870} - 1$	252243	p196	06	
460	$43 \cdot 2^{835934} + 1$	251643	g279	06	
461	$117 \cdot 2^{834916} - 1$	251337	L261	07	
462	$9 \cdot 2^{834810} + 1$	251304	p148	04	Generalized Fermat
463	$367 \cdot 2^{834573} - 1$	251235	L644	09	
464	$167 \cdot 2^{832962} - 1$	250749	L621	08	
465	$51 \cdot 2^{832630} - 1$	250649	L80	07	
466	$333 \cdot 2^{832611} - 1$	250644	L536	09	
467	$291 \cdot 2^{832410} - 1$	250583	L261	07	
468	$237 \cdot 2^{832053} - 1$	250476	L261	07	
469	$393047 \cdot 2^{832040} - 1$	250475	L466	08	
470	$69 \cdot 2^{831617} - 1$	250344	L138	06	
471	$35 \cdot 2^{831411} + 1$	250282	g279	06	Divides $GF(831410, 3)$
472	$2 \cdot 881^{84879} + 1$	249967	g404	09	
473	$115 \cdot 2^{830103} - 1$	249888	L268	08	
474	$95 \cdot 2^{829421} + 1$	249683	p241	09	
475	$8331405 \cdot 2^{829367} - 1$	249672	L138	06	
476	$71 \cdot 2^{829245} + 1$	249630	p227	08	
477	$173 \cdot 2^{828808} - 1$	249499	L145	07	
478	$9 \cdot 2^{828709} - 1$	249468	L38	05	
479	$261 \cdot 2^{827599} - 1$	249135	L261	07	
480	$165 \cdot 2^{826425} + 1$	248781	g196	06	
481	$465 \cdot 2^{825730} - 1$	248573	L198	09	
482	$359 \cdot 2^{825204} - 1$	248414	L644	08	
483	$197 \cdot 2^{825188} - 1$	248409	L282	07	
484	$236377 \cdot 2^{824773} - 1$	248287	L251	08	
485	$17 \cdot 2^{824451} + 1$	248186	g267	04	
486	$229918 \cdot 12^{229918} - 1$	248129	x37	08	Generalized Woodall
487	$181 \cdot 2^{823853} - 1$	248007	L138	07	
488	$397 \cdot 2^{823745} - 1$	247975	L644	08	
489	$87 \cdot 2^{822164} + 1$	247498	p227	08	
490	$2 \cdot 389^{95485} + 1$	247302	g404	07	
491	$69 \cdot 2^{820237} - 1$	246918	L138	06	
492	$5 \cdot 2^{819739} + 1$	246767	g55	01	Divides $GF(819738, 3)$
493	$1010718321 \cdot 2^{819120} + 1$	246589	p221	08	
494	$1009332993 \cdot 2^{819120} + 1$	246589	p221	08	
495	$1005748293 \cdot 2^{819120} + 1$	246589	p221	08	
496	$1003438725 \cdot 2^{819120} + 1$	246589	p221	08	
497	$1002264615 \cdot 2^{819120} + 1$	246589	p221	08	
498	$85 \cdot 2^{818760} + 1$	246474	g267	05	
499	$45 \cdot 2^{818648} - 1$	246440	L282	07	
500	$53 \cdot 2^{816013} + 1$	245647	p227	08	
501	$75 \cdot 2^{814857} - 1$	245299	L80	07	
502	$105 \cdot 2^{814850} - 1$	245297	L384	07	
503	$175 \cdot 2^{814158} + 1$	245089	L669	09	
504	$79 \cdot 2^{812726} + 1$	244657	p189	06	
505	$149 \cdot 2^{812719} + 1$	244655	L669	09	

rank	description	digits	who	year	comment
506	$133977 \cdot 2^{811485} - 1$	244287	L591	08	
507	$7 \cdot 2^{811230} + 1$	244206	g148	02	Divides $GF(811228, 5)$
508	$291 \cdot 2^{810347} - 1$	243942	L421	07	
509	$507607 \cdot 2^{810012} + 1$	243844	g412	08	
510	$183 \cdot 2^{809866} + 1$	243797	L669	09	
511	$203 \cdot 2^{809848} - 1$	243791	L632	08	
512	$133 \cdot 2^{809755} - 1$	243763	L632	08	
513	$151 \cdot 2^{809716} + 1$	243751	L669	09	
514	$64 \cdot 3^{510853} + 1$	243741	x28	05	
515	$325 \cdot 2^{809389} - 1$	243653	L848	09	
516	$2 \cdot 809^{83495} + 1$	242800	g404	08	
517	$600921 \cdot 2^{806197} + 1$	242696	g337	04	
518	$309 \cdot 2^{805516} - 1$	242487	L548	08	
519	$9980 \cdot 19^{189621} - 1$	242483	p237	08	Generalized Woodall
520	$35 \cdot 2^{805222} - 1$	242398	L142	07	
521	$7 \cdot 2^{804534} + 1$	242190	g196	03	Divides $GF(804533, 12)$
522	$3997 \cdot 2^{803217} - 1$	241797	L644	09	
523	$157 \cdot 2^{802321} - 1$	241525	L585	08	
524	$261 \cdot 2^{802123} - 1$	241466	L261	07	
525	$105 \cdot 2^{801978} - 1$	241422	L384	07	
526	$153 \cdot 2^{801973} + 1$	241421	p241	09	
527	$3 \cdot 2^{801978} + 1$	241420	g372	05	Divides $GF(801973, 3)$, $GF(801977, 5)$
528	$169 \cdot 2^{801578} + 1$	241302	g246	08	Generalized Fermat
529	$153 \cdot 2^{800567} - 1$	240997	L323	09	
530	$659 \cdot 2^{800516} - 1$	240983	g59	04	
531	$2294020991 \cdot 2^{800493} + 1$	240982	p157	04	
532	$29 \cdot 2^{800191} + 1$	240883	p122	05	
533	$99913731 \cdot 2^{800000} + 1$	240832	g279	04	
534	$99797893 \cdot 2^{800000} + 1$	240832	g279	04	
535	$3882741 \cdot 2^{800000} + 1$	240831	g279	06	
536	$3433305 \cdot 2^{800000} + 1$	240831	g279	04	
537	$2633527 \cdot 2^{800000} + 1$	240831	g279	03	
538	$2169967 \cdot 2^{800000} + 1$	240831	g53	03	
539	$1913067 \cdot 2^{800000} + 1$	240831	g279	03	
540	$1736913 \cdot 2^{800000} + 1$	240831	g53	03	
541	$1122201 \cdot 2^{800000} + 1$	240831	g53	03	
542	$247753 \cdot 2^{800002} + 1$	240830	g300	09	
543	$741411 \cdot 2^{800000} + 1$	240830	g53	03	
544	$4597 \cdot 2^{799781} - 1$	240762	L251	08	
545	$249 \cdot 2^{799771} + 1$	240758	L153	09	
546	$7844265 \cdot 2^{799658} + 1$	240728	g336	09	
547	$297 \cdot 2^{799620} - 1$	240713	L421	08	
548	$201 \cdot 2^{799611} - 1$	240710	L282	07	
549	$177 \cdot 2^{798443} + 1$	240358	L129	05	
550	$87 \cdot 2^{798432} + 1$	240354	p227	08	
551	$87 \cdot 2^{796341} - 1$	239725	L145	06	
552	$1695 \cdot 2^{796134} + 1$	239664	g336	09	
553	$309 \cdot 2^{795776} - 1$	239555	L548	08	
554	$411 \cdot 2^{793944} + 1$	239004	L153	08	

rank	description	digits	who	year	comment
555	$161 \cdot 2^{792702} - 1$	238630	L323	08	
556	$3645 \cdot 2^{792240} - 1$	238492	L261	07	
557	$83 \cdot 2^{791926} - 1$	238396	L425	08	
558	$111 \cdot 2^{791502} - 1$	238268	L282	07	
559	$7844265 \cdot 2^{790654} + 1$	238018	g336	08	
560	$95 \cdot 2^{790508} - 1$	237969	L323	08	
561	$187 \cdot 2^{788640} + 1$	237407	p189	07	
562	$11174 \cdot 50432^{50432} - 1$	237171	x37	08	
563	$91 \cdot 2^{787173} - 1$	236965	L323	08	
564	$119 \cdot 2^{787017} + 1$	236918	p189	07	
565	$375 \cdot 2^{786387} - 1$	236729	L644	09	
566	$271 \cdot 2^{786059} - 1$	236630	L585	08	
567	$229 \cdot 2^{786034} + 1$	236623	L181	07	
568	$108045 \cdot 2^{784973} - 1$	236306	L466	08	
569	$333 \cdot 2^{783927} - 1$	235989	L536	09	
570	$73 \cdot 2^{783831} - 1$	235959	L145	06	
571	$1695 \cdot 2^{782947} + 1$	235694	g336	09	
572	$387 \cdot 2^{782853} - 1$	235665	L644	08	
573	$60205 \cdot 2^{782665} - 1$	235611	p243	09	Generalized Woodall
574	$1001 \cdot 2^{782313} + 1$	235503	L153	08	
575	$1695 \cdot 2^{782114} + 1$	235444	g336	09	
576	$165 \cdot 2^{781224} + 1$	235175	L153	08	
577	$39 \cdot 2^{781220} - 1$	235173	L138	06	
578	$309 \cdot 2^{780395} - 1$	234925	L548	08	
579	$285 \cdot 2^{780300} - 1$	234897	L425	07	
580	$460139 \cdot 2^{779536} - 1$	234670	L47	04	
581	$246419198025 \cdot 2^{778905} - 1$	234486	L106	07	
582	$7844265 \cdot 2^{778258} + 1$	234286	g336	08	
583	$39 \cdot 2^{778233} + 1$	234274	g267	05	
584	$115 \cdot 2^{778112} + 1$	234238	p189	07	
585	$27 \cdot 2^{777992} - 1$	234201	L151	05	
586	$7003141 \cdot 2^{777777} - 1$	234142	L81	07	
587	$6982195 \cdot 2^{777777} - 1$	234142	L81	07	
588	$6870877 \cdot 2^{777777} - 1$	234142	L81	07	
589	$6655117 \cdot 2^{777777} - 1$	234142	L81	07	
590	$5901565 \cdot 2^{777777} - 1$	234141	L81	07	
591	$5070649 \cdot 2^{777777} - 1$	234141	L81	06	
592	$4533949 \cdot 2^{777777} - 1$	234141	L81	06	
593	$4105201 \cdot 2^{777777} - 1$	234141	L81	06	
594	$3190291 \cdot 2^{777777} - 1$	234141	L81	06	
595	$3188689 \cdot 2^{777777} - 1$	234141	L81	06	
596	$2298237 \cdot 2^{777777} - 1$	234141	L81	06	
597	$2193597 \cdot 2^{777777} - 1$	234141	L81	06	
598	$1155681 \cdot 2^{777777} - 1$	234141	L81	06	
599	$99926 \cdot 5^{334793} + 1$	234016	p225	08	
600	$459 \cdot 2^{777071} + 1$	233925	L116	09	
601	$441 \cdot 2^{776036} + 1$	233613	L505	07	Generalized Fermat
602	$63 \cdot 2^{775857} + 1$	233559	p227	08	
603	$201 \cdot 2^{775453} - 1$	233437	L282	07	
604	$2935 \cdot 2^{775357} - 1$	233410	L698	09	

rank	description	digits	who	year	comment
605	$371 \cdot 2^{773762} - 1$	232929	L644	09	
606	$67 \cdot 2^{773566} + 1$	232869	p227	08	Divides $GF(773564, 5)$
607	$22183 \cdot 2^{773447} - 1$	232836	L251	07	
608	$31 \cdot 2^{773227} - 1$	232767	L330	07	
609	$33 \cdot 2^{773030} - 1$	232707	L488	07	
610	$8331405 \cdot 2^{772375} - 1$	232515	L138	06	
611	$10474035 \cdot 2^{771908} - 1$	232375	L18	08	
612	$385 \cdot 2^{771627} - 1$	232286	L644	09	
613	$2983 \cdot 2^{771455} - 1$	232235	L251	08	
614	$124679 \cdot 2^{769908} - 1$	231771	L284	08	
615	$405 \cdot 2^{769828} + 1$	231744	L203	09	
616	$177 \cdot 2^{769026} - 1$	231503	L145	06	
617	$399 \cdot 2^{768439} - 1$	231326	L644	09	
618	$35 \cdot 2^{768063} + 1$	231212	L126	05	Divides $GF(768062, 3)$
619	$325 \cdot 2^{766545} - 1$	230756	L548	09	
620	$159 \cdot 2^{766421} - 1$	230718	L384	08	
621	$265 \cdot 2^{763957} - 1$	229977	L633	08	
622	$262 \cdot 17^{186768} + 1$	229811	p231	08	
623	$61 \cdot 2^{762417} - 1$	229513	L548	08	
624	$43 \cdot 2^{762212} + 1$	229451	g279	06	
625	$317 \cdot 2^{762078} - 1$	229411	L623	08	
626	$10021136^{32768} + 1$	229407	p154	06	Generalized Fermat
627	$169 \cdot 2^{761749} - 1$	229312	L621	08	
628	$213 \cdot 2^{760942} - 1$	229069	L261	07	
629	$51127 \cdot 2^{759513} - 1$	228641	L83	07	
630	$246419198025 \cdot 2^{757961} - 1$	228181	L106	07	
631	$3512673 \cdot 2^{756839} - 1$	227838	L466	08	
632	$1391281 \cdot 2^{756839} - 1$	227838	L466	07	
633	$1334079 \cdot 2^{756839} - 1$	227838	L466	07	
634	$1081255 \cdot 2^{756839} - 1$	227838	L466	07	
635	$755061 \cdot 2^{756839} - 1$	227838	L466	07	
636	$360983 \cdot 2^{756840} - 1$	227838	L468	08	
637	$33305 \cdot 2^{756839} + 1$	227836	L466	07	
638	$2^{756839} - 1$	227832	SG	92	Mersenne 32
639	$205 \cdot 2^{756705} - 1$	227794	L268	08	
640	$121212121212121 \cdot 2^{756429} - 1$	227722	L736	09	
641	$139606 \cdot 5^{325722} + 1$	227676	p224	08	
642	$1575 \cdot 2^{755172} - 1$	227333	L251	09	
643	$22932195 \cdot 2^{754723} - 1$	227202	L138	06	
644	$736320585 \cdot 2^{753905} - 1$	226957	L200	07	
645	$246419198025 \cdot 2^{752612} - 1$	226571	L106	07	
646	$246299 \cdot 2^{752600} - 1$	226561	L42	04	
647	$67 \cdot 2^{752396} + 1$	226496	p227	08	
648	$57111443 \cdot 2^{751982} - 1$	226377	L402	08	
649	$177 \cdot 2^{751028} + 1$	226085	L129	05	
650	$205 \cdot 2^{749859} - 1$	225733	L268	08	
651	$3389 \cdot 2^{749828} - 1$	225725	L151	08	
652	$231 \cdot 2^{749301} - 1$	225565	L138	06	
653	$3039469 \cdot 2^{749267} - 1$	225559	L466	08	
654	$221 \cdot 2^{749166} - 1$	225524	L282	08	

rank	description	digits	who	year	comment
655	$39 \cdot 2^{747219} - 1$	224937	L138	06	
656	$165 \cdot 2^{746994} + 1$	224870	g196	06	
657	$253973 \cdot 2^{746152} - 1$	224620	L80	06	
658	$243 \cdot 2^{744442} - 1$	224102	p48	05	
659	$65 \cdot 2^{744095} + 1$	223997	p189	06	
660	$6927 \cdot 2^{743481} - 1$	223814	L541	08	
661	$11 \cdot 2^{743322} - 1$	223764	L10	04	
662	$273 \cdot 2^{742930} - 1$	223647	L323	07	
663	$151515 \cdot 2^{742445} - 1$	223504	L200	07	
664	$29 \cdot 2^{742191} + 1$	223424	p122	05	
665	$81 \cdot 2^{741917} - 1$	223342	L268	07	
666	$71098 \cdot 5^{319336} + 1$	223212	p246	08	
667	$2933 \cdot 2^{740722} - 1$	222984	L698	09	
668	$187 \cdot 2^{739321} - 1$	222561	L268	08	
669	$129 \cdot 2^{739023} + 1$	222471	p189	07	
670	$183 \cdot 2^{737805} + 1$	222104	p189	07	
671	$3993 \cdot 2^{737800} - 1$	222104	L644	09	
672	$2741 \cdot 2^{737586} - 1$	222039	L251	08	
673	$1585 \cdot 2^{736945} - 1$	221846	L282	09	
674	$383 \cdot 2^{736876} - 1$	221825	L644	09	
675	$159 \cdot 2^{736144} - 1$	221604	L323	08	
676	$71 \cdot 2^{735802} - 1$	221501	L97	05	
677	$2929 \cdot 2^{735531} - 1$	221421	L698	09	
678	$19581121 \cdot 2^{735431} - 1$	221395	p49	04	
679	$133 \cdot 2^{734835} - 1$	221210	L621	08	
680	$2995125705 \cdot 2^{734584} - 1$	221142	L72	05	
681	$15 \cdot 2^{734400} + 1$	221078	p76	04	
682	[Long prime 682]	221071	x34	08	Generalized unique
683	$1545 \cdot 2^{734144} - 1$	221003	L251	08	
684	$403 \cdot 2^{732860} + 1$	220616	L203	08	
685	$343 \cdot 2^{731147} - 1$	220100	L644	08	
686	$221 \cdot 2^{730986} - 1$	220052	L426	08	
687	$212893 \cdot 2^{730387} - 1$	219874	g163	03	
688	$237 \cdot 2^{729654} - 1$	219651	L261	07	
689	$27 \cdot 2^{729314} - 1$	219547	L125	05	
690	$289 \cdot 2^{728205} - 1$	219215	L6	05	
691	$161957 \cdot 2^{727995} + 1$	219154	g341	04	
692	$59 \cdot 2^{727815} + 1$	219096	p227	08	Divides $GF(727814, 12)$
693	$3 \cdot 2^{727699} - 1$	219060	L41	04	
694	$2937 \cdot 2^{726444} - 1$	218685	L698	09	
695	$137137 \cdot 2^{725437} - 1$	218384	L321	07	
696	$69 \cdot 2^{724802} + 1$	218189	p227	08	
697	$189 \cdot 2^{724746} + 1$	218173	p189	07	
698	$19413 \cdot 2^{724320} - 1$	218047	L587	09	
699	$1977 \cdot 2^{723820} - 1$	217895	L621	08	
700	$2935 \cdot 2^{722817} - 1$	217594	L698	09	
701	$67 \cdot 2^{722805} - 1$	217588	L268	08	
702	$465 \cdot 2^{722089} - 1$	217374	L198	08	
703	$355 \cdot 2^{719857} - 1$	216702	L555	09	
704	$220033 \cdot 2^{719731} - 1$	216666	g163	04	

rank	description	digits	who	year	comment
705	$3104 \cdot 2^{2^{161188}} - 1$	216386	p253	09	
706	$986963835 \cdot 2^{718502} + 1$	216300	L631	08	
707	$1977 \cdot 2^{718101} - 1$	216174	L621	08	
708	$375 \cdot 2^{717884} - 1$	216108	L644	09	
709	$171 \cdot 2^{717731} + 1$	216061	p189	07	
710	$135 \cdot 2^{717682} + 1$	216046	p189	07	
711	$333 \cdot 2^{717510} - 1$	215995	L536	09	
712	$465 \cdot 2^{716805} - 1$	215783	L198	08	
713	$25 \cdot 2^{716769} - 1$	215771	L137	06	
714	$365 \cdot 2^{715676} - 1$	215443	L548	09	
715	$101 \cdot 2^{715503} + 1$	215390	p189	07	
716	$229 \cdot 2^{715459} - 1$	215377	L268	08	
717	$111546435 \cdot 2^{715180} - 1$	215299	L466	08	
718	$215 \cdot 2^{714542} - 1$	215101	L548	08	
719	$171 \cdot 2^{714200} + 1$	214998	p189	07	
720	$149 \cdot 2^{714199} + 1$	214998	p189	07	
721	$5755 \cdot 2^{714077} - 1$	214963	L268	08	
722	$1415 \cdot 2^{714058} - 1$	214957	L268	09	
723	$2 \cdot 809^{73879} + 1$	214837	g404	08	
724	$15 \cdot 2^{712294} - 1$	214424	L52	05	
725	$1545 \cdot 2^{711570} - 1$	214208	L251	08	
726	$91 \cdot 2^{711335} - 1$	214136	L323	07	
727	$3011 \cdot 2^{711301} + 1$	214127	L31	08	
728	$176625 \cdot 2^{711112} - 1$	214072	L43	08	
729	$333 \cdot 2^{710678} - 1$	213938	L536	09	
730	$3 \cdot 2^{709968} + 1$	213723	g372	05	Divides $GF(709962, 3)$, $GF(709963, 5)$
731	$213 \cdot 2^{709727} - 1$	213652	L261	07	
732	$5775 \cdot 2^{708795} + 1$	213373	p189	07	
733	$3149688^{32768} + 1$	212936	g260	05	Generalized Fermat
734	$57 \cdot 2^{707245} - 1$	212904	L384	07	
735	$3134838^{32768} + 1$	212868	g260	04	Generalized Fermat
736	$3109540^{32768} + 1$	212753	g260	04	Generalized Fermat
737	$151515 \cdot 2^{705873} - 1$	212495	L200	07	
738	$405 \cdot 2^{705795} - 1$	212469	L282	09	
739	$75 \cdot 2^{705688} + 1$	212436	p227	08	Divides $GF(705684, 12)$
740	$3000336^{32768} + 1$	212244	g292	02	Generalized Fermat
741	$267 \cdot 2^{705028} - 1$	212238	L260	07	
742	$2 \cdot 269^{87347} + 1$	212232	g404	07	
743	$7331 \cdot 2^{704842} - 1$	212183	L251	07	
744	$649285 \cdot 2^{704721} - 1$	212148	g396	06	
745	$2973894^{32768} + 1$	212118	g309	04	Generalized Fermat
746	$261917 \cdot 2^{704227} + 1$	211999	g346	04	
747	$483 \cdot 2^{703479} - 1$	211771	L79	06	
748	$105 \cdot 2^{703368} + 1$	211737	p189	07	
749	$3 \cdot 2^{702038} - 1$	211335	L30	03	
750	$125 \cdot 2^{701981} + 1$	211320	p189	07	
751	$15 \cdot 2^{701902} + 1$	211295	p76	04	
752	$1581823815 \cdot 2^{701702} - 1$	211243	L83	06	
753	$499 \cdot 2^{701434} + 1$	211156	L203	08	

rank	description	digits	who	year	comment
754	$24067 \cdot 2^{700073} - 1$	210748	L251	07	
755	$6215657 \cdot 2^{700000} - 1$	210728	L81	07	
756	$4786305 \cdot 2^{700000} - 1$	210728	L81	07	
757	$4649865 \cdot 2^{700000} - 1$	210728	L81	07	
758	$3762633 \cdot 2^{700000} - 1$	210728	L81	06	
759	$3030329 \cdot 2^{700000} - 1$	210728	L81	06	
760	$2758665 \cdot 2^{700000} - 1$	210728	L81	07	
761	$2599043 \cdot 2^{700000} - 1$	210728	L81	06	
762	$2500883 \cdot 2^{700000} - 1$	210728	L81	07	
763	$1168043 \cdot 2^{700000} - 1$	210728	L81	06	
764	$58153 \cdot 2^{700004} + 1$	210727	g305	07	
765	$422367 \cdot 2^{700000} - 1$	210727	L81	06	
766	$2696506^{32768} + 1$	210725	g309	03	Generalized Fermat
767	$2679502^{32768} + 1$	210635	g309	03	Generalized Fermat
768	$143 \cdot 2^{699189} + 1$	210480	p189	07	
769	$2619572^{32768} + 1$	210313	g309	03	Generalized Fermat
770	$2^{698592} - 2^{349296} - 1$	210298	p168	09	
771	$46157 \cdot 2^{698207} + 1$	210186	SB1	02	
772	$2585646^{32768} + 1$	210128	g309	03	Generalized Fermat
773	$7844265 \cdot 2^{697732} + 1$	210046	g336	08	
774	$117 \cdot 2^{697458} - 1$	209958	L261	07	
775	$2538626^{32768} + 1$	209866	g309	03	Generalized Fermat
776	$6794935 \cdot 2^{696969} - 1$	209816	L81	07	
777	$6145851 \cdot 2^{696969} - 1$	209816	L81	07	
778	$4549431 \cdot 2^{696969} - 1$	209816	L81	07	
779	$4226259 \cdot 2^{696969} - 1$	209816	L81	07	
780	$4063867 \cdot 2^{696969} - 1$	209816	L81	07	
781	$3649585 \cdot 2^{696969} - 1$	209816	L81	07	
782	$3598881 \cdot 2^{696969} - 1$	209816	L81	07	
783	$3477939 \cdot 2^{696969} - 1$	209816	L81	07	
784	$3425817 \cdot 2^{696969} - 1$	209816	L81	07	
785	$2009719 \cdot 2^{696969} - 1$	209815	L81	07	
786	$1868755 \cdot 2^{696969} - 1$	209815	L81	07	
787	$1846815 \cdot 2^{696969} - 1$	209815	L81	07	
788	$1328227 \cdot 2^{696969} - 1$	209815	L81	07	
789	$1158589 \cdot 2^{696969} - 1$	209815	L81	07	
790	$602031 \cdot 2^{696969} - 1$	209815	L81	07	
791	$332269 \cdot 2^{696969} - 1$	209815	L81	07	
792	$35 \cdot 2^{696935} + 1$	209800	L126	05	
793	$204223 \cdot 2^{696891} - 1$	209791	g163	03	
794	$885 \cdot 2^{696823} - 1$	209768	L644	09	
795	$2510928^{32768} + 1$	209710	g309	03	Generalized Fermat
796	$1333 \cdot 2^{696471} - 1$	209662	L121	09	
797	$11 \cdot 2^{696438} - 1$	209650	L10	04	
798	$421 \cdot 2^{696385} - 1$	209636	L548	09	
799	$429 \cdot 2^{696361} - 1$	209629	L701	09	
800	$1203 \cdot 2^{696279} - 1$	209604	L121	09	
801	$1155 \cdot 2^{695822} + 1$	209467	L181	09	
802	$875 \cdot 2^{695742} - 1$	209443	L644	09	
803	$47 \cdot 2^{695724} - 1$	209436	L548	08	

rank	description	digits	who	year	comment
804	$31431 \cdot 2^{695695} - 1$	209430	p190	06	
805	$1417 \cdot 2^{695625} - 1$	209408	L268	09	
806	$175 \cdot 2^{695576} + 1$	209392	p189	07	
807	$617 \cdot 2^{695452} - 1$	209355	L176	06	
808	$603 \cdot 2^{695447} - 1$	209354	L548	09	
809	$47 \cdot 2^{695384} - 1$	209334	L548	08	
810	$435 \cdot 2^{695309} - 1$	209312	L548	09	
811	$2435410^{32768} + 1$	209276	g309	03	Generalized Fermat
812	$5855 \cdot 2^{694636} - 1$	209111	L268	09	
813	$699 \cdot 2^{694497} - 1$	209068	L701	09	
814	$5775 \cdot 2^{694061} + 1$	208937	p189	07	
815	$2354618^{32768} + 1$	208796	g242	03	Generalized Fermat
816	$2354572^{32768} + 1$	208795	g242	03	Generalized Fermat
817	$695 \cdot 2^{693588} - 1$	208794	L701	09	
818	$2351172^{32768} + 1$	208775	g242	03	Generalized Fermat
819	$2329148^{32768} + 1$	208641	g309	03	Generalized Fermat
820	$187 \cdot 2^{693012} + 1$	208620	p189	07	
821	$\text{Phi}(3, -2322573^{16384})$	208601	p72	08	Generalized unique
822	$\text{Phi}(3, -2313516^{16384})$	208545	p72	08	Generalized unique
823	$945 \cdot 2^{692744} - 1$	208540	L644	09	
824	$12601 \cdot 2^{692732} + 1$	208538	g411	07	
825	$209 \cdot 2^{692692} - 1$	208524	L421	07	
826	$2282862^{32768} + 1$	208355	g309	03	Generalized Fermat
827	$2279250^{32768} + 1$	208333	g309	03	Generalized Fermat
828	$627 \cdot 2^{691932} - 1$	208296	L548	09	
829	$999 \cdot 2^{691895} - 1$	208285	L644	09	
830	$645 \cdot 2^{691682} - 1$	208220	L548	09	
831	$2825 \cdot 2^{691465} + 1$	208156	L31	08	
832	$49 \cdot 2^{691469} - 1$	208155	L217	07	
833	$1273 \cdot 2^{691383} - 1$	208131	L121	09	
834	$129 \cdot 2^{690893} - 1$	207982	L425	07	
835	$19540909 \cdot 2^{690774} + 1$	207951	g393	05	
836	$801923 \cdot 2^{690713} + 1$	207932	g156	08	
837	$465 \cdot 2^{690044} - 1$	207727	L198	08	
838	$\text{Phi}(3, -2182528^{16384})$	207716	f7	07	Generalized unique
839	$\text{Phi}(3, -2178996^{16384})$	207692	f7	07	Generalized unique
840	$2167350^{32768} + 1$	207616	g295	02	Generalized Fermat
841	$2 \cdot 683^{73237} + 1$	207585	g404	08	Divides $\text{Phi}(683^{73237}, 2)$
842	$969 \cdot 2^{689503} - 1$	207565	L644	09	
843	$159 \cdot 2^{689437} + 1$	207544	p189	07	
844	$261221 \cdot 2^{689422} - 1$	207543	L35	03	
845	$2147196^{32768} + 1$	207483	g295	02	Generalized Fermat
846	$709 \cdot 2^{689023} - 1$	207420	L548	09	
847	$1815 \cdot 2^{688939} - 1$	207395	L251	09	
848	$497 \cdot 2^{688852} - 1$	207368	L566	09	
849	$\text{Phi}(3, -2115084^{16384})$	207269	f7	07	Generalized unique
850	$\text{Phi}(3, -2110199^{16384})$	207236	f7	07	Generalized unique
851	$403 \cdot 2^{688290} + 1$	207199	L203	08	
852	$1845 \cdot 2^{688142} - 1$	207155	L251	09	
853	$1695 \cdot 2^{688026} + 1$	207120	g336	08	

rank	description	digits	who	year	comment
854	$101 \cdot 2^{687897} + 1$	207080	p189	07	
855	$137137 \cdot 2^{687797} - 1$	207053	L321	07	
856	$499\#/97\# \cdot 2^{687105} - 1$	207009	x37	08	
857	$\text{Phi}(3, -2074507^{16384})$	206993	f7	07	Generalized unique
858	$10293 \cdot 2^{687000} + 1$	206812	L155	08	
859	$429 \cdot 2^{686860} - 1$	206769	L566	09	
860	$777 \cdot 2^{686718} - 1$	206726	L548	09	
861	$2034902^{32768} + 1$	206719	g295	02	Generalized Fermat
862	$555 \cdot 2^{686694} - 1$	206719	L566	09	
863	$21 \cdot 2^{686632} + 1$	206699	g279	04	
864	$1353 \cdot 2^{686610} - 1$	206694	L121	09	
865	$\text{Phi}(3, -2029827^{16384})$	206683	f7	06	Generalized unique
866	$1575 \cdot 2^{686537} - 1$	206672	L251	09	
867	$12345 \cdot 2^{686316} - 1$	206606	L200	07	
868	$103 \cdot 2^{686251} - 1$	206585	L488	08	
869	$635 \cdot 2^{685706} - 1$	206421	L548	09	
870	$\text{Phi}(3, -1989801^{16384})$	206400	f7	06	Generalized unique
871	$1986700^{32768} + 1$	206378	g295	02	Generalized Fermat
872	$873 \cdot 2^{685480} - 1$	206353	L644	09	
873	$\text{Phi}(3, -3898771219232^{8192})$	206290	f14	07	Generalized unique
874	$999 \cdot 2^{685156} - 1$	206256	L644	09	
875	$155 \cdot 2^{684887} + 1$	206174	p189	07	
876	$\text{Phi}(3, -3824990769800^{8192})$	206154	f14	07	Generalized unique
877	$\text{Phi}(3, -3804263911368^{8192})$	206116	f14	07	Generalized unique
878	$\text{Phi}(3, -1949616^{16384})$	206110	f7	06	Generalized unique
879	$935 \cdot 2^{684668} - 1$	206109	L644	09	
880	$481 \cdot 2^{684665} - 1$	206108	L566	09	
881	$13 \cdot 2^{684560} + 1$	206075	g267	03	Divides $GF(684557, 10)$, $GF(684559, 6)$
882	$1359 \cdot 2^{684535} - 1$	206069	L121	09	
883	$\text{Phi}(3, -3775889401250^{8192})$	206062	f14	07	Generalized unique
884	$\text{Phi}(3, -3757143544200^{8192})$	206027	f14	07	Generalized unique
885	$663 \cdot 2^{684374} - 1$	206020	L566	09	
886	$67 \cdot 2^{684258} + 1$	205985	g402	08	
887	$\text{Phi}(3, -1932045^{16384})$	205981	f7	06	Generalized unique
888	$\text{Phi}(3, -1925507^{16384})$	205932	f7	06	Generalized unique
889	$1922592^{32768} + 1$	205911	g295	02	Generalized Fermat
890	$171 \cdot 2^{684003} - 1$	205908	L91	05	
891	$\text{Phi}(3, -1910944^{16384})$	205824	f7	06	Generalized unique
892	$1909372^{32768} + 1$	205813	g295	02	Generalized Fermat
893	$\text{Phi}(3, -3632746914882^{8192})$	205787	f14	07	Generalized unique
894	$\text{Phi}(3, -3629324489672^{8192})$	205781	f14	07	Generalized unique
895	$85 \cdot 2^{683573} - 1$	205778	L323	07	
896	$513 \cdot 2^{683547} - 1$	205771	L701	09	
897	$543 \cdot 2^{683355} - 1$	205714	L566	09	
898	$563 \cdot 2^{683292} - 1$	205695	L566	09	
899	$609 \cdot 2^{683212} - 1$	205671	L566	09	
900	$\text{Phi}(3, -1886204^{16384})$	205639	f7	06	Generalized unique
901	$909 \cdot 2^{683019} - 1$	205613	L644	09	
902	$321 \cdot 2^{682493} - 1$	205454	L548	09	

rank	description	digits	who	year	comment
903	$1977 \cdot 2^{682144} - 1$	205350	L621	08	
904	$\text{Phi}(3, -1847091^{16384})$	205341	f7	06	Generalized unique
905	$95 \cdot 2^{682055} + 1$	205321	p227	08	
906	$717 \cdot 2^{682046} - 1$	205320	L566	09	
907	$\text{Phi}(3, -1833726^{16384})$	205237	f6	06	Generalized unique
908	$1263 \cdot 2^{681632} - 1$	205195	L121	09	
909	$\text{Phi}(3, -3338434976648^{8192})$	205186	f14	08	Generalized unique
910	$1313 \cdot 2^{681522} - 1$	205162	L121	09	
911	$185 \cdot 2^{681393} + 1$	205122	p189	07	
912	$\text{Phi}(3, -1799953^{16384})$	204973	f7	06	Generalized unique
913	$829 \cdot 2^{680777} - 1$	204938	L644	09	
914	$246419198025 \cdot 2^{680688} - 1$	204919	L106	07	
915	$1261 \cdot 2^{680627} - 1$	204893	L121	09	
916	$783 \cdot 2^{680388} - 1$	204821	L548	09	
917	$515 \cdot 2^{680196} - 1$	204763	L566	09	
918	$211 \cdot 2^{680135} - 1$	204744	L426	08	
919	$965 \cdot 2^{679780} - 1$	204638	L644	09	
920	$1269 \cdot 2^{679747} - 1$	204628	L121	09	
921	$1755378^{32768} + 1$	204616	GF2	02	Generalized Fermat
922	$649 \cdot 2^{679239} - 1$	204475	L548	09	
923	$1695 \cdot 2^{678764} + 1$	204332	g336	08	
924	$160 \cdot 17^{166048} + 1$	204316	p231	08	
925	$669 \cdot 2^{678357} - 1$	204209	L566	09	
926	$\text{Phi}(3, -1705876^{16384})$	204209	f7	06	Generalized unique
927	$\text{Phi}(3, -2894735600712^{8192})$	204172	f17	08	Generalized unique
928	$881 \cdot 2^{678138} - 1$	204143	L644	09	
929	$6119 \cdot 2^{678080} - 1$	204127	L251	07	
930	$\text{Phi}(3, -2866364976672^{8192})$	204101	f17	08	Generalized unique
931	$625 \cdot 2^{677325} - 1$	203898	L566	09	
932	$\text{Phi}(3, -1668188^{16384})$	203891	f7	06	Generalized unique
933	$\text{Phi}(3, -2781445091042^{8192})$	203887	f17	07	Generalized unique
934	$\text{Phi}(3, -2750281713792^{8192})$	203807	f17	07	Generalized unique
935	$\text{Phi}(3, -1656973^{16384})$	203795	f7	06	Generalized unique
936	$\text{Phi}(3, -1648264^{16384})$	203720	f7	06	Generalized unique
937	$1261 \cdot 2^{676597} - 1$	203680	L121	09	
938	$\text{Phi}(3, -2694769342722^{8192})$	203662	f17	07	Generalized unique
939	$\text{Phi}(3, -1636894^{16384})$	203622	f7	06	Generalized unique
940	$203 \cdot 2^{676032} - 1$	203509	L384	08	
941	$\text{Phi}(3, -1623927^{16384})$	203508	f7	06	Generalized unique
942	$\text{Phi}(3, -1620351^{16384})$	203477	f7	06	Generalized unique
943	$\text{Phi}(3, -2623996861250^{8192})$	203473	f17	07	Generalized unique
944	$\text{Phi}(3, -2590433963552^{8192})$	203381	f14	07	Generalized unique
945	$10474035 \cdot 2^{675578} - 1$	203377	L18	08	
946	$709 \cdot 2^{675411} - 1$	203322	L548	09	
947	$209 \cdot 2^{675232} - 1$	203268	L421	07	
948	$1455 \cdot 2^{675193} + 1$	203257	g405	08	
949	$\text{Phi}(3, -1589754^{16384})$	203206	f7	06	Generalized unique
950	$2995125705 \cdot 2^{674974} - 1$	203197	L87	05	
951	$651 \cdot 2^{674785} - 1$	203134	L566	09	
952	$\text{Phi}(3, -2490345104258^{8192})$	203101	f14	06	Generalized unique

rank	description	digits	who	year	comment
953	$1585 \cdot 2^{674467} - 1$	203038	L282	09	
954	$121 \cdot 2^{674360} + 1$	203005	p189	07	Generalized Fermat
955	$\text{Phi}(3, -2446029620000^{8192})$	202973	f14	06	Generalized unique
956	$503 \cdot 2^{674214} - 1$	202962	L566	09	
957	$\text{Phi}(3, -1562069^{16384})$	202956	f7	06	Generalized unique
958	$\text{Phi}(3, -1557862^{16384})$	202917	f7	06	Generalized unique
959	$33 \cdot 2^{674050} - 1$	202911	L138	07	
960	$423 \cdot 2^{673728} - 1$	202815	L566	09	
961	$55 \cdot 2^{673708} + 1$	202809	p227	08	
962	$2029 \cdot 2^{673583} - 1$	202772	L614	08	
963	$917 \cdot 2^{673570} - 1$	202768	L644	09	
964	$871 \cdot 2^{673565} - 1$	202767	L644	09	
965	$1815 \cdot 2^{673335} - 1$	202698	L251	09	
966	$849 \cdot 2^{673024} - 1$	202604	L644	09	
967	$605 \cdot 2^{672972} - 1$	202588	L548	09	
968	$357 \cdot 2^{672930} - 1$	202575	L548	09	
969	$1519380^{32768} + 1$	202561	g204	01	Generalized Fermat
970	$\text{Phi}(3, -1505290^{16384})$	202429	f7	06	Generalized unique
971	$7844265 \cdot 2^{672401} + 1$	202420	g336	06	
972	$597 \cdot 2^{672336} - 1$	202397	L566	09	
973	$34252725 \cdot 2^{672043} - 1$	202313	p113	05	
974	$27 \cdot 2^{672007} + 1$	202296	g279	05	Divides Fermat $F(672005)$
975	$1209 \cdot 2^{671449} - 1$	202130	L121	09	
976	$2933 \cdot 2^{671312} - 1$	202089	L698	09	
977	$\text{Phi}(3, -1464219^{16384})$	202035	f7	06	Generalized unique
978	$666625245 \cdot 2^{671089} - 1$	202027	L545	08	
979	$319 \cdot 2^{671009} - 1$	201997	L548	09	
980	$243 \cdot 2^{670891} - 1$	201961	p48	04	
981	$607 \cdot 2^{670861} - 1$	201953	L548	09	
982	$4 \cdot 3^{423253} - 1$	201944	p228	09	
983	$683 \cdot 2^{670454} - 1$	201830	L548	09	
984	$379371 \cdot 2^{670001} - 1$	201696	L185	07	
985	$\text{Phi}(3, -2024357714082^{8192})$	201627	f20	07	Generalized unique
986	$1581823815 \cdot 2^{669473} - 1$	201541	L83	06	
987	$\text{Phi}(3, -1413863^{16384})$	201537	f7	06	Generalized unique
988	$493 \cdot 2^{669151} - 1$	201438	L823	09	
989	$1235 \cdot 2^{669066} - 1$	201413	L121	09	
990	$\text{Phi}(3, -1400719^{16384})$	201404	f7	06	Generalized unique
991	$2306679 \cdot 2^{668779} + 1$	201329	g405	09	
992	$2238689 \cdot 2^{668779} + 1$	201329	g405	09	
993	$1727217 \cdot 2^{668779} + 1$	201329	g405	09	
994	$829127 \cdot 2^{668779} + 1$	201329	g405	08	
995	$658217 \cdot 2^{668779} + 1$	201329	g405	08	
996	$84945 \cdot 2^{668779} + 1$	201328	g405	07	
997	$465 \cdot 2^{668701} - 1$	201302	L198	07	
998	$177 \cdot 2^{668682} - 1$	201296	L145	06	
999	$52421 \cdot 469762048^{23209} - 1$	201271	x37	08	
1000	$231 \cdot 2^{668218} - 1$	201157	L87	05	
1001	$\text{Phi}(3, -1894115805122^{8192})$	201154	f17	07	Generalized unique
1002	$\text{Phi}(3, -1869137652722^{8192})$	201059	f20	07	Generalized unique

rank	description	digits	who	year	comment
1003	$417 \cdot 2^{667878} - 1$	201054	L701	09	
1004	$732351 \cdot 2^{667766} - 1$	201024	L402	08	
1005	$476267 \cdot 2^{667766} - 1$	201024	L402	08	
1006	$272517 \cdot 2^{667766} - 1$	201024	L402	08	
1007	$\text{Phi}(3, -1362748^{16384})$	201013	f7	06	Generalized unique
1008	$1177 \cdot 2^{667697} - 1$	201000	L621	08	
1009	$113 \cdot 2^{667533} + 1$	200950	g47	03	
1010	$\text{Phi}(3, -1837555687682^{8192})$	200938	f20	07	Generalized unique
1011	$929 \cdot 2^{667460} - 1$	200929	L644	09	
1012	$\text{Phi}(3, -1812760323200^{8192})$	200841	f20	06	Generalized unique
1013	$979 \cdot 2^{667087} - 1$	200817	L644	09	
1014	$667071 \cdot 2^{667071} - 1$	200815	g55	00	Woodall
1015	$\text{Phi}(3, -1787221992200^{8192})$	200740	f2	06	Generalized unique
1016	$321 \cdot 2^{666797} - 1$	200729	L548	09	
1017	$\text{Phi}(3, -1335473^{16384})$	200725	f7	06	Generalized unique
1018	$\text{Phi}(3, -1779048754632^{8192})$	200708	f2	06	Generalized unique
1019	$38727148425 \cdot 2^{666667} - 1$	200698	L731	09	
1020	$37338495255 \cdot 2^{666667} - 1$	200698	L891	09	
1021	$73115782155 \cdot 2^{666666} - 1$	200698	L731	09	
1022	$2256169425 \cdot 2^{666671} - 1$	200698	L731	09	
1023	$17985131955 \cdot 2^{666668} - 1$	200698	L731	09	
1024	$8802104325 \cdot 2^{666669} - 1$	200698	L731	09	
1025	$29620984455 \cdot 2^{666667} - 1$	200698	L722	09	
1026	$52909376355 \cdot 2^{666666} - 1$	200698	L731	09	
1027	$45659554125 \cdot 2^{666666} - 1$	200698	L634	08	
1028	$43474951665 \cdot 2^{666666} - 1$	200698	L643	08	
1029	$5005026675 \cdot 2^{666669} - 1$	200698	L634	08	
1030	$9011376825 \cdot 2^{666668} - 1$	200698	L596	08	
1031	$32140685925 \cdot 2^{666666} - 1$	200697	L596	08	
1032	$29820115785 \cdot 2^{666666} - 1$	200697	L596	08	
1033	$7668057255 \cdot 2^{666667} - 1$	200697	L596	08	
1034	$4197278295 \cdot 2^{666667} - 1$	200697	L596	08	
1035	$6476615 \cdot 2^{666666} - 1$	200694	L81	05	
1036	$5194163 \cdot 2^{666666} - 1$	200694	L81	06	
1037	$5135955 \cdot 2^{666666} - 1$	200694	L81	06	
1038	$4834137 \cdot 2^{666666} - 1$	200694	L81	06	
1039	$4658895 \cdot 2^{666666} - 1$	200694	L81	06	
1040	$3028517 \cdot 2^{666666} - 1$	200693	L81	05	
1041	$2806367 \cdot 2^{666666} - 1$	200693	L81	05	
1042	$2403341 \cdot 2^{666666} - 1$	200693	L81	05	
1043	$2172225 \cdot 2^{666666} - 1$	200693	L81	05	
1044	$2031801 \cdot 2^{666666} - 1$	200693	L81	05	
1045	$323955 \cdot 2^{666667} - 1$	200693	g141	06	
1046	$192201 \cdot 2^{666666} - 1$	200692	L81	05	
1047	$31 \cdot 2^{666285} - 1$	200574	L330	07	
1048	$1245 \cdot 2^{665997} - 1$	200489	L121	09	
1049	$177 \cdot 2^{665874} - 1$	200451	L145	06	
1050	$\text{Phi}(3, -1309000^{16384})$	200440	f7	06	Generalized unique
1051	$\text{Phi}(3, -1710250412694^{8192})$	200427	f18	06	Generalized unique
1052	$2 \cdot 419^{76419} + 1$	200388	g404	07	Divides $\text{Phi}(419^{76419}, 2)$

rank	description	digits	who	year	comment
1053	$\text{Phi}(3, -1303833^{16384})$	200384	p72	06	Generalized unique
1054	$825 \cdot 2^{665464} - 1$	200328	L268	08	
1055	$\text{Phi}(3, -1681821221814^{8192})$	200308	f18	06	Generalized unique
1056	$\text{Phi}(3, -1673443651250^{8192})$	200272	f2	07	Generalized unique
1057	$\text{Phi}(3, -1287328^{16384})$	200203	f7	06	Generalized unique
1058	$1277444^{32768} + 1$	200093	GF2	02	Generalized Fermat
1059	$\text{Phi}(3, -1276943^{16384})$	200088	f7	06	Generalized unique
1060	$\text{Phi}(3, -1275383^{16384})$	200070	f7	06	Generalized unique
1061	$563 \cdot 2^{664568} - 1$	200058	L548	09	
1062	$3240639 \cdot 2^{664385} - 1$	200007	L466	08	
1063	$2207995 \cdot 2^{664385} - 1$	200007	L466	08	
1064	$1749375 \cdot 2^{664385} - 1$	200007	L466	08	
1065	$1693305 \cdot 2^{664385} - 1$	200007	L466	08	
1066	$1662657 \cdot 2^{664385} - 1$	200007	L466	08	
1067	$1197385 \cdot 2^{664385} - 1$	200006	L466	07	
1068	$566971 \cdot 2^{664385} - 1$	200006	L466	07	
1069	$398355 \cdot 2^{664385} - 1$	200006	L466	07	
1070	$415062551 \cdot 2^{664357} + 1$	200001	p221	08	
1071	$414489473 \cdot 2^{664357} + 1$	200001	p221	08	
1072	$413308331 \cdot 2^{664357} + 1$	200001	p221	08	
1073	$57101 \cdot 2^{664369} + 1$	200000	L652	08	
1074	$2638216539 \cdot 2^{664351} + 1$	199999	p38	04	
1075	$\text{Phi}(3, -1261293^{16384})$	199912	f7	06	Generalized unique
1076	$\text{Phi}(3, -1249815^{16384})$	199782	f4	06	Generalized unique
1077	$177 \cdot 2^{663601} - 1$	199767	L145	06	
1078	$605 \cdot 2^{663508} - 1$	199739	L701	09	
1079	$217 \cdot 2^{663509} - 1$	199739	L323	08	
1080	$875 \cdot 2^{663162} - 1$	199635	L644	09	
1081	$812881 \cdot 2^{663152} + 1$	199635	g156	09	
1082	$783 \cdot 2^{663015} - 1$	199591	L701	09	
1083	$305 \cdot 2^{662808} - 1$	199528	L543	08	
1084	$267 \cdot 2^{662524} - 1$	199443	L400	07	
1085	$246419198025 \cdot 2^{662444} - 1$	199427	L106	07	
1086	$\text{Phi}(3, -1218494^{16384})$	199421	f7	06	Generalized unique
1087	$1217284^{32768} + 1$	199407	GF4	02	Generalized Fermat
1088	$1225 \cdot 2^{662229} - 1$	199354	L121	09	
1089	$1573 \cdot 2^{662203} - 1$	199347	L543	09	
1090	$937 \cdot 2^{662181} - 1$	199340	L644	09	
1091	$1210354^{32768} + 1$	199325	GF4	02	Generalized Fermat
1092	$12591 \cdot 2^{662053} + 1$	199302	g411	07	
1093	$\text{Phi}(3, -1203036^{16384})$	199239	f7	06	Generalized unique
1094	$\text{Phi}(3, -1439751774050^{8192})$	199202	f13	06	Generalized unique
1095	$101670 \cdot 91^{101670} + 1$	199181	g157	05	Generalized Cullen
1096	$1413 \cdot 2^{661562} - 1$	199154	L543	09	
1097	$1855 \cdot 2^{661155} - 1$	199031	L800	09	
1098	$\text{Phi}(3, -1386775296486^{8192})$	198935	f18	06	Generalized unique
1099	$1617 \cdot 2^{660752} - 1$	198910	L697	09	
1100	$713 \cdot 2^{660750} - 1$	198909	L701	09	
1101	$\text{Phi}(3, -1381078788338^{8192})$	198906	f13	06	Generalized unique
1102	$261 \cdot 2^{660709} - 1$	198896	L384	07	

rank	description	digits	who	year	comment
1103	$1171824^{32768} + 1$	198865	GF3	02	Generalized Fermat
1104	$\text{Phi}(3, -1370075257800^{8192})$	198849	f13	06	Generalized unique
1105	$1169486^{32768} + 1$	198837	GF3	02	Generalized Fermat
1106	$1167528^{32768} + 1$	198813	GF3	02	Generalized Fermat
1107	$1161054^{32768} + 1$	198734	GF3	02	Generalized Fermat
1108	$1665 \cdot 2^{659957} - 1$	198671	L701	09	
1109	$4 \cdot 3^{416337} - 1$	198644	p228	08	
1110	$\text{Phi}(3, -1323323714952^{8192})$	198602	f13	06	Generalized unique
1111	$\text{Phi}(3, -1148089^{16384})$	198574	f7	06	Generalized unique
1112	$893 \cdot 2^{659586} - 1$	198559	L644	09	
1113	$1313 \cdot 2^{659312} - 1$	198476	L121	09	
1114	$125 \cdot 2^{659314} - 1$	198476	L138	06	
1115	$\text{Phi}(3, -1138316^{16384})$	198452	f7	06	Generalized unique
1116	$315 \cdot 2^{659232} - 1$	198452	L536	09	
1117	$\text{Phi}(3, -1295428614498^{8192})$	198450	f13	06	Generalized unique
1118	$1495 \cdot 2^{659159} - 1$	198430	L697	09	
1119	$1815 \cdot 2^{659158} - 1$	198430	L251	09	
1120	$3234846615 \cdot 2^{658992} - 1$	198386	p113	06	
1121	$\text{Phi}(3, -1282439561288^{8192})$	198379	f13	06	Generalized unique
1122	$149 \cdot 2^{658917} + 1$	198356	p189	07	
1123	$315 \cdot 2^{658900} + 1$	198352	L813	09	
1124	$\text{Phi}(3, -1277505869400^{8192})$	198351	f18	06	Generalized unique
1125	$683 \cdot 2^{658857} + 1$	198339	L685	09	
1126	$\text{Phi}(3, -1129153^{16384})$	198337	f7	06	Generalized unique
1127	$\text{Phi}(3, -1269203662322^{8192})$	198305	f14	09	Generalized unique
1128	$815 \cdot 2^{658632} - 1$	198271	L644	09	
1129	$\text{Phi}(3, -1242871618688^{8192})$	198156	f14	09	Generalized unique
1130	$727 \cdot 2^{658245} - 1$	198155	L548	09	
1131	$1113768^{32768} + 1$	198142	g274	02	Generalized Fermat
1132	$993 \cdot 2^{658034} + 1$	198091	L813	09	
1133	$745 \cdot 2^{657911} - 1$	198054	L701	09	
1134	$573 \cdot 2^{657807} - 1$	198023	L585	09	
1135	$51 \cdot 2^{657705} - 1$	197991	L148	07	
1136	$111546435 \cdot 2^{657608} - 1$	197968	L466	08	
1137	$1505 \cdot 2^{657540} - 1$	197943	L700	09	
1138	$\text{Phi}(3, -1098136^{16384})$	197941	f4	05	Generalized unique
1139	$1096382^{32768} + 1$	197918	GF3	02	Generalized Fermat
1140	$177 \cdot 2^{657458} + 1$	197917	L129	05	
1141	$459 \cdot 2^{657272} - 1$	197862	L548	09	
1142	$1851 \cdot 2^{656958} - 1$	197768	L804	09	
1143	$111 \cdot 2^{656935} - 1$	197760	L91	05	
1144	$1793 \cdot 2^{656912} - 1$	197754	L697	09	
1145	$659 \cdot 2^{656845} + 1$	197733	L877	09	
1146	$\text{Phi}(3, -1079569^{16384})$	197698	f7	05	Generalized unique
1147	$1074542^{32768} + 1$	197632	GF3	01	Generalized Fermat
1148	$429 \cdot 2^{656445} + 1$	197613	L813	09	
1149	$1635 \cdot 2^{656285} - 1$	197565	L697	09	
1150	$15 \cdot 2^{656264} - 1$	197557	L52	05	
1151	$85 \cdot 2^{656039} - 1$	197490	L323	07	
1152	$\text{Phi}(3, -1063662^{16384})$	197487	f4	05	Generalized unique

rank	description	digits	who	year	comment
1153	$533 \cdot 2^{656000} - 1$	197479	L548	09	
1154	$1485 \cdot 2^{655977} + 1$	197472	g405	08	
1155	$1210421 \cdot 2^{655938} - 1$	197464	L536	09	
1156	$651 \cdot 2^{655935} + 1$	197459	L888	09	
1157	$871 \cdot 2^{655608} + 1$	197361	L717	09	
1158	$909 \cdot 2^{655606} + 1$	197361	L119	09	
1159	$\text{Phi}(3, -1052811^{16384})$	197341	f7	05	Generalized unique
1160	$1161 \cdot 2^{655507} + 1$	197331	L119	09	
1161	$1071 \cdot 2^{655399} + 1$	197298	L846	09	
1162	$681 \cdot 2^{655393} + 1$	197296	L685	09	
1163	$801 \cdot 2^{655362} - 1$	197287	L644	09	
1164	$461 \cdot 2^{655327} + 1$	197276	L651	09	
1165	$1007446395 \cdot 2^{655278} + 1$	197268	p221	09	
1166	$1005474877 \cdot 2^{655278} + 1$	197268	p221	09	
1167	$1003053615 \cdot 2^{655278} + 1$	197268	p221	09	
1168	$1002809565 \cdot 2^{655278} + 1$	197268	p221	09	
1169	$1001497677 \cdot 2^{655278} + 1$	197268	p221	09	
1170	$1000372195 \cdot 2^{655278} + 1$	197268	p221	09	
1171	$617 \cdot 2^{655259} + 1$	197256	L685	09	
1172	$1559 \cdot 2^{655252} - 1$	197254	L697	09	
1173	$87258 \cdot 182^{87258} + 1$	197215	g392	06	Generalized Cullen
1174	$692835 \cdot 2^{655075} - 1$	197204	L138	06	
1175	$181 \cdot 2^{655067} - 1$	197198	L138	06	
1176	$1041870^{32768} + 1$	197192	g0	00	Generalized Fermat
1177	$561 \cdot 2^{654972} + 1$	197169	L687	09	
1178	$517 \cdot 2^{654868} + 1$	197138	L661	09	
1179	$1165 \cdot 2^{654821} - 1$	197124	L268	08	
1180	$1991 \cdot 2^{654810} - 1$	197121	L697	09	
1181	$\text{Phi}(3, -1034698^{16384})$	197094	f7	05	Generalized unique
1182	$2 \cdot 797^{67907} + 1$	197030	g404	08	
1183	$83 \cdot 2^{654488} - 1$	197023	L323	07	
1184	$385 \cdot 2^{654349} - 1$	196982	L644	09	
1185	$31503 \cdot 2^{654323} - 1$	196976	L71	08	
1186	$125115 \cdot 2^{654321} - 1$	196976	L71	08	
1187	$22723 \cdot 2^{654323} - 1$	196976	L71	08	
1188	$4747 \cdot 2^{654325} - 1$	196976	L71	08	
1189	$1049 \cdot 2^{654169} + 1$	196928	L687	09	
1190	$1371 \cdot 2^{654118} - 1$	196913	L121	09	
1191	$1305 \cdot 2^{654081} - 1$	196902	L121	09	
1192	$\text{Phi}(3, -1019849^{16384})$	196888	f7	05	Generalized unique
1193	$1145 \cdot 2^{653963} + 1$	196866	L692	09	
1194	$607 \cdot 2^{653872} + 1$	196838	L689	09	
1195	$755 \cdot 2^{653850} - 1$	196832	L548	09	
1196	$\text{Phi}(3, -1029757567704^{8192})$	196817	f18	06	Generalized unique
1197	$675 \cdot 2^{653795} - 1$	196815	L701	09	
1198	$177 \cdot 2^{653686} - 1$	196782	L145	06	
1199	$\text{Phi}(3, -1016817857568^{8192})$	196727	f2	07	Generalized unique
1200	$\text{Phi}(3, -1007934^{16384})$	196721	f4	05	Generalized unique
1201	$435 \cdot 2^{653451} + 1$	196711	L763	09	
1202	$\text{Phi}(3, -1008401650082^{8192})$	196668	f2	07	Generalized unique

rank	description	digits	who	year	comment
1203	$\text{Phi}(3, -1003271^{16384})$	196655	f7	05	Generalized unique
1204	$999236^{32768} + 1$	196598	g141	00	Generalized Fermat
1205	$943 \cdot 2^{653046} + 1$	196590	L867	09	
1206	$465 \cdot 2^{652931} + 1$	196555	L679	09	
1207	$905 \cdot 2^{652908} - 1$	196548	L644	09	
1208	$5955 \cdot 2^{652721} - 1$	196493	L268	08	
1209	$\text{Phi}(3, -991824^{16384})$	196492	f7	05	Generalized unique
1210	$\text{Phi}(3, -983319115446^{8192})$	196489	f18	06	Generalized unique
1211	$\text{Phi}(3, -991445^{16384})$	196486	p72	05	Generalized unique
1212	$1075 \cdot 2^{652659} - 1$	196473	L268	08	
1213	$687 \cdot 2^{652368} + 1$	196386	L665	09	
1214	$915 \cdot 2^{652353} - 1$	196381	L268	08	
1215	$649 \cdot 2^{652103} - 1$	196306	L566	09	
1216	$141 \cdot 2^{652057} + 1$	196291	L668	09	
1217	$759 \cdot 2^{651993} - 1$	196273	L548	09	
1218	$\text{Phi}(3, -970312^{16384})$	196180	f4	05	Generalized unique
1219	$1085 \cdot 2^{651479} + 1$	196118	L763	09	
1220	$239 \cdot 2^{651413} + 1$	196098	L679	09	
1221	$1035 \cdot 2^{651348} - 1$	196079	L121	09	
1222	$98035 \cdot 10^{196070} + 1$	196075	g157	07	Generalized Cullen
1223	$971 \cdot 2^{651325} + 1$	196072	L691	09	
1224	$1877 \cdot 2^{651256} - 1$	196051	L698	09	
1225	$10474035 \cdot 2^{651162} - 1$	196027	L18	08	
1226	$615 \cdot 2^{651041} - 1$	195986	L268	08	
1227	$55 \cdot 2^{651015} - 1$	195977	L325	07	
1228	$159 \cdot 2^{650934} + 1$	195953	p189	07	
1229	$1787 \cdot 2^{650908} - 1$	195947	L800	09	
1230	$\text{Phi}(3, -910253972322^{8192})$	195939	f6	06	Generalized unique
1231	$\text{Phi}(3, -953686^{16384})$	195934	f4	05	Generalized unique
1232	$321 \cdot 2^{650818} - 1$	195919	L548	09	
1233	$\text{Phi}(3, -902662726688^{8192})$	195880	f6	06	Generalized unique
1234	$1509 \cdot 2^{650501} - 1$	195824	L698	09	
1235	$325 \cdot 2^{650493} - 1$	195821	L548	09	
1236	$1745 \cdot 2^{650260} - 1$	195752	L700	09	
1237	$1209 \cdot 2^{650107} - 1$	195705	L121	09	
1238	$\text{Phi}(3, -934486^{16384})$	195644	f7	05	Generalized unique
1239	$215503 \cdot 2^{649891} - 1$	195643	g163	03	
1240	$607 \cdot 2^{649860} + 1$	195631	L758	09	
1241	$\text{Phi}(3, -932333^{16384})$	195611	f7	05	Generalized unique
1242	$793 \cdot 2^{649747} - 1$	195597	L566	09	
1243	$1985 \cdot 2^{649728} - 1$	195591	L697	09	
1244	$1791 \cdot 2^{649689} - 1$	195580	L697	09	
1245	$741 \cdot 2^{649621} - 1$	195559	L566	09	
1246	$1000000001 \cdot 2^{649519} + 1$	195534	p221	09	
1247	$1877 \cdot 2^{649526} - 1$	195531	L697	09	
1248	$395 \cdot 2^{649445} + 1$	195506	L849	09	
1249	$829 \cdot 2^{649149} - 1$	195417	L644	09	
1250	$1215 \cdot 2^{649121} - 1$	195408	L121	09	
1251	$1757 \cdot 2^{649008} - 1$	195375	L697	09	
1252	$1575 \cdot 2^{648997} - 1$	195371	L251	09	

rank	description	digits	who	year	comment
1253	$268168 \cdot 5^{279459} - 1$	195339	p246	07	
1254	$337 \cdot 2^{648856} + 1$	195328	L844	09	
1255	$201 \cdot 2^{648792} + 1$	195309	p241	09	
1256	$\text{Phi}(3, -832576403232^{8192})$	195305	f6	06	Generalized unique
1257	$\text{Phi}(3, -911498^{16384})$	195290	f4	05	Generalized unique
1258	$\text{Phi}(3, -827841700224^{8192})$	195264	f18	06	Generalized unique
1259	$\text{Phi}(3, -823701529944^{8192})$	195228	f18	06	Generalized unique
1260	$\text{Phi}(3, -819074564802^{8192})$	195188	f6	06	Generalized unique
1261	$921 \cdot 2^{647991} - 1$	195068	L644	09	
1262	$43018 \cdot 5^{279020} + 1$	195032	p196	06	
1263	$307 \cdot 2^{647786} + 1$	195006	L635	09	
1264	$1431 \cdot 2^{647763} - 1$	195000	L697	09	
1265	$1167 \cdot 2^{647708} - 1$	194983	L121	09	
1266	$1627 \cdot 2^{647673} - 1$	194973	L697	09	
1267	$605 \cdot 2^{647639} + 1$	194962	L843	09	
1268	$5091 \cdot 2^{647536} + 1$	194932	L31	08	
1269	$805 \cdot 2^{647277} - 1$	194853	L644	09	
1270	$1191 \cdot 2^{647253} + 1$	194846	L687	09	
1271	$65 \cdot 2^{647130} - 1$	194808	L148	06	
1272	$849 \cdot 2^{646968} - 1$	194760	L644	09	
1273	$\text{Phi}(3, -872302^{16384})$	194664	f4	05	Generalized unique
1274	$1185 \cdot 2^{646586} + 1$	194645	L635	09	
1275	$\text{Phi}(3, -870765^{16384})$	194639	f4	05	Generalized unique
1276	$\text{Phi}(3, -754964889632^{8192})$	194608	f6	06	Generalized unique
1277	$1263 \cdot 2^{646400} - 1$	194589	L121	09	
1278	$109 \cdot 2^{646403} - 1$	194589	L426	08	
1279	$\text{Phi}(3, -750746212658^{8192})$	194569	f6	06	Generalized unique
1280	$5955 \cdot 2^{646244} - 1$	194543	L268	08	
1281	$1785 \cdot 2^{646070} - 1$	194490	L697	09	
1282	$6465 \cdot 2^{645980} - 1$	194464	L20	08	
1283	$19581121 \cdot 2^{645943} - 1$	194456	p49	03	
1284	$717 \cdot 2^{645897} - 1$	194438	L701	09	
1285	$1097 \cdot 2^{645874} - 1$	194431	L121	09	
1286	$855124^{32768} + 1$	194381	g141	01	Generalized Fermat
1287	$1073 \cdot 2^{645570} - 1$	194339	L121	09	
1288	$19 \cdot 2^{645555} - 1$	194333	L177	06	
1289	$45 \cdot 2^{645542} - 1$	194330	L282	07	
1290	$1455 \cdot 2^{645453} - 1$	194304	L698	09	
1291	$4331 \cdot 2^{645398} - 1$	194288	L123	07	
1292	$187 \cdot 2^{645401} - 1$	194288	L384	08	
1293	$861 \cdot 2^{645393} - 1$	194286	L79	06	
1294	$423 \cdot 2^{644966} + 1$	194157	L656	09	
1295	$1863 \cdot 2^{644951} - 1$	194153	L804	09	
1296	$607 \cdot 2^{644861} - 1$	194126	L548	09	
1297	$1581823815 \cdot 2^{644836} - 1$	194125	L83	05	
1298	$12345 \cdot 2^{644708} - 1$	194081	L200	07	
1299	$11 \cdot 2^{644677} + 1$	194069	g277	04	
1300	$\text{Phi}(3, -693192060000^{8192})$	194001	f18	07	Generalized unique
1301	$831648^{32768} + 1$	193985	g199	02	Generalized Fermat
1302	$1119 \cdot 2^{644283} - 1$	193952	L121	09	

rank	description	digits	who	year	comment
1303	$797 \cdot 2^{644220} - 1$	193933	L548	09	
1304	$609 \cdot 2^{644181} - 1$	193921	L701	09	
1305	$1135 \cdot 2^{644167} - 1$	193917	L268	09	
1306	$753 \cdot 2^{644053} + 1$	193883	L822	09	
1307	$29 \cdot 2^{644044} - 1$	193879	L10	04	
1308	$825324^{32768} + 1$	193876	g199	02	Generalized Fermat
1309	$567 \cdot 2^{643700} + 1$	193776	L821	09	
1310	$287626 \cdot 5^{277175} - 1$	193743	p212	08	
1311	$207 \cdot 2^{643478} - 1$	193709	L330	07	
1312	$783 \cdot 2^{643146} - 1$	193610	L548	09	
1313	$\text{Phi}(3, -808691^{16384})$	193587	f7	05	Generalized unique
1314	$1131 \cdot 2^{642993} + 1$	193564	L635	09	
1315	$93 \cdot 2^{642909} + 1$	193537	g196	03	
1316	$5655 \cdot 2^{642799} - 1$	193506	L268	08	
1317	$775 \cdot 2^{642772} + 1$	193497	L635	09	
1318	$1315 \cdot 2^{642425} - 1$	193393	L121	09	
1319	$\text{Phi}(3, -796191^{16384})$	193365	f7	05	Generalized unique
1320	$405405 \cdot 2^{642296} - 1$	193356	L466	08	
1321	$699 \cdot 2^{642289} - 1$	193352	L548	09	
1322	$417 \cdot 2^{642156} + 1$	193311	L692	09	
1323	$1311 \cdot 2^{641605} - 1$	193146	L121	09	
1324	$373 \cdot 2^{641606} + 1$	193146	L681	09	
1325	$425 \cdot 2^{641553} + 1$	193130	L734	09	
1326	$1023 \cdot 2^{641310} + 1$	193057	L705	09	
1327	$1027 \cdot 2^{641172} + 1$	193016	L820	09	
1328	$\text{Phi}(3, -772447^{16384})$	192934	f7	05	Generalized unique
1329	$729 \cdot 2^{640874} + 1$	192926	L651	09	Generalized Fermat
1330	$1763 \cdot 2^{640656} - 1$	192860	L697	09	
1331	$885 \cdot 2^{640490} + 1$	192810	L689	09	
1332	$741 \cdot 2^{640175} - 1$	192715	L548	09	
1333	$607 \cdot 2^{640146} + 1$	192706	L635	09	
1334	$693 \cdot 2^{639986} + 1$	192658	L754	09	
1335	$\text{Phi}(3, -756916^{16384})$	192645	f7	05	Generalized unique
1336	$1037 \cdot 2^{639844} - 1$	192616	L121	09	
1337	$1305 \cdot 2^{639691} - 1$	192570	L121	09	
1338	$375 \cdot 2^{639621} - 1$	192548	L644	09	
1339	$263927 \cdot 2^{639599} + 1$	192544	g341	04	
1340	$639 \cdot 2^{639554} + 1$	192528	L713	09	
1341	$893 \cdot 2^{639440} - 1$	192494	L644	09	
1342	$1695 \cdot 2^{639158} + 1$	192409	g336	08	
1343	$743788^{32768} + 1$	192396	g271	02	Generalized Fermat
1344	$939 \cdot 2^{638941} + 1$	192344	L797	09	
1345	$289 \cdot 2^{638902} + 1$	192332	L672	09	Generalized Fermat
1346	$1011 \cdot 2^{638758} - 1$	192289	L121	09	
1347	$\text{Phi}(3, -737869^{16384})$	192282	f4	05	Generalized unique
1348	$1485 \cdot 2^{638597} + 1$	192241	g405	08	
1349	$881 \cdot 2^{638437} + 1$	192192	L635	09	
1350	$978847155 \cdot 2^{638344} - 1$	192170	L58	09	
1351	$983 \cdot 2^{638361} + 1$	192169	L824	09	
1352	$507 \cdot 2^{638296} - 1$	192149	L548	09	

rank	description	digits	who	year	comment
1353	$393571035 \cdot 2^{638021} + 1$	192073	L122	07	
1354	$1733 \cdot 2^{637904} - 1$	192032	L697	09	
1355	$845 \cdot 2^{637848} - 1$	192015	L644	09	
1356	$1975 \cdot 2^{637595} - 1$	191939	L576	09	
1357	$697 \cdot 2^{637234} + 1$	191830	L868	09	
1358	$1741 \cdot 2^{637157} - 1$	191807	L698	09	
1359	$19581121 \cdot 2^{637021} - 1$	191770	p49	03	
1360	$775 \cdot 2^{637012} + 1$	191763	L651	09	
1361	$843 \cdot 2^{636955} - 1$	191746	L644	09	
1362	$825 \cdot 2^{636779} + 1$	191693	L687	09	
1363	$121 \cdot 2^{636564} + 1$	191627	p189	07	Generalized Fermat
1364	$1995 \cdot 2^{636339} - 1$	191561	L698	09	
1365	$849 \cdot 2^{636306} + 1$	191551	L818	09	
1366	$381 \cdot 2^{636195} + 1$	191517	L635	09	
1367	$9613 \cdot 2^{636159} - 1$	191507	L251	07	
1368	$975 \cdot 2^{636054} + 1$	191475	L635	09	
1369	$1105 \cdot 2^{636002} + 1$	191459	L809	09	
1370	$15 \cdot 2^{635989} + 1$	191453	p76	04	
1371	$133736 \cdot 3^{401209} - 1$	191431	p120	04	Generalized Woodall
1372	$1257 \cdot 2^{635888} - 1$	191425	L121	09	
1373	$1539 \cdot 2^{635844} - 1$	191412	L615	09	
1374	$255 \cdot 2^{635715} - 1$	191372	g320	07	
1375	$\text{Phi}(3, -691650^{16384})$	191362	f1	05	Generalized unique
1376	$3234846615 \cdot 2^{635652} - 1$	191360	p113	05	
1377	$2935 \cdot 2^{635629} - 1$	191347	L698	09	
1378	$601 \cdot 2^{635375} - 1$	191270	L548	09	
1379	$1309 \cdot 2^{635287} - 1$	191244	L121	09	
1380	$5955 \cdot 2^{635277} - 1$	191242	L268	08	
1381	$9001 \cdot 2^{635264} + 1$	191238	g411	07	
1382	$197 \cdot 2^{635042} - 1$	191169	L282	07	
1383	$1495 \cdot 2^{635021} - 1$	191164	L615	09	
1384	$\text{Phi}(3, -681101^{16384})$	191143	f4	05	Generalized unique
1385	$162454 \cdot 15^{162454} - 1$	191066	p242	09	Generalized Woodall
1386	$405 \cdot 2^{634608} - 1$	191039	L282	09	
1387	$39 \cdot 2^{634441} + 1$	190988	g196	05	
1388	$35 \cdot 2^{634402} - 1$	190976	L142	06	
1389	$\text{Phi}(3, -672996^{16384})$	190973	f4	05	Generalized unique
1390	$1121 \cdot 2^{634222} - 1$	190923	L621	08	
1391	$\text{Phi}(3, -669646^{16384})$	190902	f4	05	Generalized unique
1392	$503 \cdot 2^{634134} - 1$	190897	L548	09	
1393	$1801 \cdot 2^{634053} - 1$	190873	L700	09	
1394	$345 \cdot 2^{633911} + 1$	190829	L656	09	
1395	$777 \cdot 2^{633901} - 1$	190827	L548	09	
1396	$2^{633888} - 2^{316944} - 1$	190820	p168	07	
1397	$387 \cdot 2^{633582} - 1$	190730	L644	08	
1398	$845 \cdot 2^{633390} - 1$	190673	L644	09	
1399	$\text{Phi}(3, -657858^{16384})$	190649	f4	05	Generalized unique
1400	$359 \cdot 2^{633247} + 1$	190629	L661	09	
1401	$1049 \cdot 2^{633217} + 1$	190621	L796	09	
1402	$91 \cdot 2^{633169} - 1$	190605	L425	07	

rank	description	digits	who	year	comment
1403	$3993 \cdot 2^{633086} - 1$	190582	L644	09	
1404	$151515 \cdot 2^{632955} - 1$	190544	L200	06	
1405	$855 \cdot 2^{632791} - 1$	190493	L644	09	
1406	$Phi(3, -647715^{16384})$	190428	f4	05	Generalized unique
1407	$733 \cdot 2^{632387} - 1$	190371	L548	09	
1408	$339 \cdot 2^{632297} + 1$	190343	L785	09	
1409	$1637 \cdot 2^{632272} - 1$	190337	L697	09	
1410	$1299 \cdot 2^{632072} - 1$	190276	L121	09	
1411	$189 \cdot 2^{632049} + 1$	190268	p189	07	
1412	$173 \cdot 2^{632000} - 1$	190254	L145	07	
1413	$1399 \cdot 2^{631967} - 1$	190245	L121	09	
1414	$987 \cdot 2^{631666} - 1$	190154	L644	09	
1415	$1027 \cdot 2^{631221} - 1$	190020	L268	08	
1416	$5091 \cdot 2^{631192} + 1$	190012	L31	08	
1417	$69 \cdot 2^{631121} + 1$	189989	p227	08	
1418	$75 \cdot 2^{631091} - 1$	189980	L257	07	
1419	$885 \cdot 2^{631004} - 1$	189955	L268	08	
1420	$959 \cdot 2^{630963} + 1$	189942	L687	09	
1421	$22201 \cdot 2^{630916} + 1$	189929	L123	08	Generalized Fermat
1422	$1187 \cdot 2^{630890} - 1$	189920	L121	09	
1423	$1965 \cdot 2^{630845} - 1$	189907	L697	09	
1424	$129 \cdot 2^{630843} + 1$	189905	p189	07	
1425	$777 \cdot 2^{630736} + 1$	189874	L689	09	
1426	$Phi(3, -621973^{16384})$	189851	f4	05	Generalized unique
1427	$1485 \cdot 2^{630611} - 1$	189836	L697	09	
1428	$861 \cdot 2^{630463} - 1$	189792	L79	06	
1429	$1975 \cdot 2^{630413} - 1$	189777	L697	09	
1430	$109897 \cdot 2^{630221} - 1$	189721	g163	03	
1431	$791 \cdot 2^{630135} + 1$	189693	L791	09	
1432	$1139 \cdot 2^{630055} + 1$	189669	L656	09	
1433	$975 \cdot 2^{630019} + 1$	189658	L678	09	
1434	$705 \cdot 2^{630007} - 1$	189654	L268	08	
1435	$1841 \cdot 2^{629982} - 1$	189647	L698	09	
1436	$519 \cdot 2^{629945} + 1$	189636	L687	09	
1437	$1881 \cdot 2^{629917} - 1$	189628	L698	09	
1438	$399 \cdot 2^{629840} - 1$	189604	L644	09	
1439	$1371 \cdot 2^{629822} - 1$	189599	L121	09	
1440	$319 \cdot 2^{629783} - 1$	189587	L548	09	
1441	$Phi(3, -610367^{16384})$	189583	f4	04	Generalized unique
1442	$595 \cdot 2^{629757} - 1$	189579	L548	09	
1443	$1195 \cdot 2^{629754} + 1$	189578	L789	09	
1444	$869 \cdot 2^{629516} - 1$	189507	L644	09	
1445	$811 \cdot 2^{629404} + 1$	189473	L656	09	
1446	$Phi(3, -604003^{16384})$	189434	f4	04	Generalized unique
1447	$2995125705 \cdot 2^{629062} - 1$	189377	L87	05	
1448	$3333 \cdot 2^{629074} + 1$	189374	g412	08	
1449	$2 \cdot 191^{83009} + 1$	189347	g404	06	Divides $Phi(191^{83009}, 2)$
1450	$1793 \cdot 2^{628976} - 1$	189344	L804	09	
1451	$269 \cdot 2^{628904} - 1$	189322	L426	07	
1452	$281 \cdot 2^{628898} - 1$	189320	L426	07	

rank	description	digits	who	year	comment
1453	$108045 \cdot 2^{628770} - 1$	189284	L466	08	
1454	$321 \cdot 2^{628734} - 1$	189271	L548	09	
1455	$\text{Phi}(3, -595806^{16384})$	189239	f7	05	Generalized unique
1456	$1065 \cdot 2^{628382} - 1$	189165	L121	09	
1457	$1115 \cdot 2^{628371} + 1$	189162	L841	09	
1458	$169 \cdot 2^{628357} - 1$	189157	L384	08	
1459	$\text{Phi}(3, -590124^{16384})$	189103	f4	05	Generalized unique
1460	$\text{Phi}(3, -589145^{16384})$	189079	f7	05	Generalized unique
1461	$1005 \cdot 2^{628092} + 1$	189078	L681	09	
1462	$\text{Phi}(3, -586426^{16384})$	189013	f7	05	Generalized unique
1463	$1815 \cdot 2^{627840} - 1$	189002	L251	09	
1464	$27 \cdot 2^{627794} - 1$	188987	L107	05	
1465	$25 \cdot 2^{627710} + 1$	188961	g279	04	Generalized Fermat
1466	$1437 \cdot 2^{627580} - 1$	188924	L697	09	
1467	$\text{Phi}(3, -582706^{16384})$	188923	f4	05	Generalized unique
1468	$309 \cdot 2^{627517} + 1$	188904	L708	09	
1469	$835 \cdot 2^{627477} - 1$	188893	L644	09	
1470	$1007 \cdot 2^{627295} + 1$	188838	L656	09	
1471	$29 \cdot 2^{627167} + 1$	188798	p122	05	
1472	$1085 \cdot 2^{626920} - 1$	188725	L121	09	
1473	$\text{Phi}(3, -571538^{16384})$	188647	f7	05	Generalized unique
1474	$126667 \cdot 2^{626497} - 1$	188600	g23	03	
1475	$473 \cdot 2^{626184} - 1$	188503	L548	09	
1476	$986963835 \cdot 2^{625989} + 1$	188451	L631	08	
1477	$\text{Phi}(3, -559738^{16384})$	188350	f7	05	Generalized unique
1478	$553602^{32768} + 1$	188194	g168	01	Generalized Fermat
1479	$513 \cdot 2^{625011} - 1$	188150	L576	09	
1480	$975 \cdot 2^{624927} + 1$	188125	L651	09	
1481	$119 \cdot 2^{624896} - 1$	188115	L282	08	
1482	$1435 \cdot 2^{624793} - 1$	188085	L698	09	
1483	$615 \cdot 2^{624752} + 1$	188072	L761	09	
1484	$1065 \cdot 2^{624740} - 1$	188069	L121	09	
1485	$815730721 \cdot 2^{624480} + 1$	187997	L466	09	Generalized Fermat
1486	$83 \cdot 2^{624398} - 1$	187965	L323	07	
1487	$341667 \cdot 2^{624280} + 1$	187933	g422	09	
1488	$280113 \cdot 2^{624280} + 1$	187933	g422	09	
1489	$217 \cdot 2^{624208} + 1$	187908	L656	09	
1490	$559 \cdot 2^{624122} + 1$	187883	L785	09	
1491	$985 \cdot 2^{624114} + 1$	187881	L675	09	
1492	$1125 \cdot 2^{624055} - 1$	187863	L121	09	
1493	$1183 \cdot 2^{624042} + 1$	187859	L786	09	
1494	$369 \cdot 2^{623979} + 1$	187839	L651	09	
1495	$1731 \cdot 2^{623847} - 1$	187800	L697	09	
1496	$225 \cdot 2^{623720} + 1$	187761	p43	05	Generalized Fermat
1497	$179 \cdot 2^{623635} + 1$	187736	p189	07	
1498	$639 \cdot 2^{623113} + 1$	187579	L656	09	
1499	$329 \cdot 2^{623005} + 1$	187546	L714	09	
1500	$95 \cdot 2^{622849} + 1$	187499	p227	08	
1501	$297 \cdot 2^{622800} + 1$	187484	L783	09	
1502	$1875 \cdot 2^{622639} - 1$	187437	L697	09	

rank	description	digits	who	year	comment
1503	$524552^{32768} + 1$	187427	g65	01	Generalized Fermat
1504	$5114 \cdot 5^{268127} + 1$	187417	p224	07	
1505	$146478 \cdot 19^{146478} - 1$	187315	p237	08	Generalized Woodall
1506	$1865 \cdot 2^{622146} - 1$	187288	L566	09	
1507	$1105 \cdot 2^{622142} + 1$	187287	L784	09	
1508	$985 \cdot 2^{622033} - 1$	187254	L644	09	
1509	$501 \cdot 2^{621532} + 1$	187103	L779	09	
1510	$313 \cdot 2^{621432} + 1$	187073	L728	09	
1511	$531 \cdot 2^{621426} - 1$	187071	L548	09	
1512	$539 \cdot 2^{621357} + 1$	187050	L778	09	
1513	$627 \cdot 2^{621252} + 1$	187019	L782	09	
1514	$1813 \cdot 2^{621119} - 1$	186979	L800	09	
1515	$1391 \cdot 2^{621102} - 1$	186974	L121	09	
1516	$1907 \cdot 2^{621002} - 1$	186944	L697	09	
1517	$1515 \cdot 2^{620928} - 1$	186922	L253	07	
1518	$655 \cdot 2^{620922} + 1$	186919	L787	09	
1519	$861 \cdot 2^{620508} + 1$	186795	L788	09	
1520	$499310^{32768} + 1$	186725	g295	01	Generalized Fermat
1521	$1023 \cdot 2^{620205} + 1$	186704	L681	09	
1522	$37850187375 \cdot 2^{620089} - 1$	186676	L257	09	
1523	$245 \cdot 2^{619938} - 1$	186623	L426	07	
1524	$\text{Phi}(3, -494093^{16384})$	186575	f7	05	Generalized unique
1525	$141 \cdot 2^{619742} - 1$	186564	L426	07	
1526	$749 \cdot 2^{619737} + 1$	186563	L781	09	
1527	$1445 \cdot 2^{619170} - 1$	186392	L700	09	
1528	$849 \cdot 2^{619157} + 1$	186388	L775	09	
1529	$381 \cdot 2^{618929} - 1$	186319	L644	09	
1530	$261 \cdot 2^{618918} - 1$	186316	L145	07	
1531	$1311 \cdot 2^{618754} - 1$	186267	L121	09	
1532	$713 \cdot 2^{618606} - 1$	186222	L566	09	
1533	$1081 \cdot 2^{618559} - 1$	186208	L121	09	
1534	$1153 \cdot 2^{618328} + 1$	186139	L790	09	
1535	$187 \cdot 2^{618293} - 1$	186128	L636	08	
1536	$501 \cdot 2^{618284} + 1$	186125	L153	08	
1537	$1015 \cdot 2^{618271} - 1$	186122	L121	09	
1538	$1137 \cdot 2^{618105} - 1$	186072	L121	09	
1539	$69 \cdot 2^{617993} + 1$	186037	p227	08	
1540	$731 \cdot 2^{617957} + 1$	186027	L153	09	
1541	$93254 \cdot 5^{266111} + 1$	186009	p196	07	
1542	$921 \cdot 2^{617888} + 1$	186006	L153	08	
1543	$1645 \cdot 2^{617867} - 1$	186000	L697	09	
1544	$659 \cdot 2^{617815} + 1$	185984	L732	09	Divides Fermat $F(617813)$
1545	$\text{Phi}(3, -473198^{16384})$	185960	f4	05	Generalized unique
1546	$58882 \cdot 5^{265981} - 1$	185918	p225	08	
1547	$485 \cdot 2^{617483} + 1$	185884	L773	09	
1548	$393571035 \cdot 2^{617318} + 1$	185840	L122	07	
1549	$1401 \cdot 2^{617333} - 1$	185839	L268	09	
1550	$1209 \cdot 2^{617307} - 1$	185832	L121	09	
1551	$779 \cdot 2^{617133} + 1$	185779	L774	09	
1552	$369 \cdot 2^{617047} + 1$	185753	L816	09	

rank	description	digits	who	year	comment
1553	$1155 \cdot 2^{616925} + 1$	185716	L181	08	
1554	$567 \cdot 2^{616877} - 1$	185702	L644	09	
1555	$857 \cdot 2^{616824} - 1$	185686	L644	09	
1556	$243 \cdot 2^{616662} - 1$	185637	L442	07	
1557	$8331405 \cdot 2^{616479} - 1$	185586	L87	05	
1558	$1145 \cdot 2^{616423} + 1$	185565	L715	09	
1559	$975 \cdot 2^{616335} + 1$	185539	L679	09	
1560	$279703 \cdot 2^{616235} - 1$	185511	L53	04	
1561	$91 \cdot 2^{616072} + 1$	185459	p189	06	
1562	$279 \cdot 2^{616044} - 1$	185451	L145	07	
1563	$615 \cdot 2^{615952} - 1$	185423	L268	08	
1564	$1113 \cdot 2^{615855} - 1$	185394	L121	09	
1565	$1967 \cdot 2^{615772} - 1$	185370	L698	09	
1566	$911 \cdot 2^{615622} - 1$	185324	L644	09	
1567	$861 \cdot 2^{615463} + 1$	185276	L771	09	
1568	$741 \cdot 2^{615439} + 1$	185269	L656	09	
1569	$1275 \cdot 2^{615380} - 1$	185251	L121	09	
1570	$331 \cdot 2^{615116} + 1$	185171	L153	09	
1571	$29399 \cdot 2^{615101} + 1$	185169	g6	06	
1572	$103259 \cdot 2^{615076} - 1$	185162	g163	02	
1573	$455 \cdot 2^{615036} - 1$	185147	L644	09	
1574	$77 \cdot 2^{614995} + 1$	185134	L56	05	
1575	$891 \cdot 2^{614976} + 1$	185130	L785	09	
1576	$693 \cdot 2^{614963} - 1$	185126	L566	09	
1577	$887 \cdot 2^{614875} + 1$	185099	L776	09	
1578	$1581823815 \cdot 2^{614637} - 1$	185034	L83	05	
1579	$371 \cdot 2^{614517} + 1$	184991	L754	09	
1580	$669 \cdot 2^{614303} - 1$	184927	L548	09	
1581	$1031 \cdot 2^{614255} + 1$	184913	L651	09	
1582	$837 \cdot 2^{614222} + 1$	184903	L766	09	
1583	$5775 \cdot 2^{614179} + 1$	184891	p189	07	
1584	$1821 \cdot 2^{613946} - 1$	184820	L697	09	
1585	$315 \cdot 2^{613854} - 1$	184791	L548	09	
1586	$259 \cdot 2^{613845} - 1$	184789	L621	08	
1587	$69 \cdot 2^{613781} - 1$	184769	L138	06	
1588	$30003 \cdot 2^{613463} - 1$	184676	L550	08	
1589	$1081 \cdot 2^{613200} + 1$	184595	L770	09	
1590	$222997 \cdot 2^{613153} - 1$	184583	g163	01	
1591	$429370^{32768} + 1$	184577	g295	01	Generalized Fermat
1592	$619 \cdot 2^{613139} - 1$	184577	L548	09	
1593	$345 \cdot 2^{613086} + 1$	184560	L817	09	
1594	$1119 \cdot 2^{613033} + 1$	184545	L772	09	
1595	$665 \cdot 2^{613004} - 1$	184536	L566	09	
1596	$1883 \cdot 2^{612756} - 1$	184462	L697	09	
1597	$951 \cdot 2^{612740} + 1$	184457	L768	09	
1598	$1167 \cdot 2^{612633} - 1$	184424	L121	09	
1599	$185 \cdot 2^{612412} - 1$	184357	L543	08	
1600	$973 \cdot 2^{612382} + 1$	184349	L764	09	
1601	$363 \cdot 2^{612291} - 1$	184321	L536	09	
1602	$1645 \cdot 2^{612263} - 1$	184313	L697	09	

rank	description	digits	who	year	comment
1603	$35535391 \cdot 2^{612212} + 1$	184302	g267	07	
1604	$281 \cdot 2^{612083} + 1$	184258	L761	09	
1605	$363 \cdot 2^{611998} + 1$	184233	L767	09	
1606	$1527 \cdot 2^{611818} - 1$	184179	L697	09	
1607	$5855 \cdot 2^{611596} - 1$	184113	L268	08	
1608	$2929 \cdot 2^{611581} - 1$	184108	L698	09	
1609	$Phi(3, -415159^{16384})$	184098	f7	05	Generalized unique
1610	$1191 \cdot 2^{611350} - 1$	184038	L121	09	
1611	$1345 \cdot 2^{611309} - 1$	184026	L268	08	
1612	$1023 \cdot 2^{611208} + 1$	183995	L762	09	
1613	$1585 \cdot 2^{611185} - 1$	183989	L282	09	
1614	$429 \cdot 2^{611081} + 1$	183957	L153	09	
1615	$1485 \cdot 2^{611053} - 1$	183949	L566	09	
1616	$1485 \cdot 2^{611020} + 1$	183939	g405	08	
1617	$159 \cdot 2^{611020} - 1$	183938	L91	05	
1618	$537 \cdot 2^{610990} + 1$	183930	L651	09	
1619	$1995 \cdot 2^{610979} - 1$	183927	L697	09	
1620	$289 \cdot 2^{610737} - 1$	183853	L6	05	
1621	$63 \cdot 2^{610704} - 1$	183843	L442	08	
1622	$10474035 \cdot 2^{610477} - 1$	183779	L18	08	
1623	$1799 \cdot 2^{610472} - 1$	183774	L800	09	
1624	$1563 \cdot 2^{610386} - 1$	183748	L697	09	
1625	$571 \cdot 2^{610371} - 1$	183743	L620	09	
1626	$1773 \cdot 2^{610363} - 1$	183741	L701	09	
1627	$447 \cdot 2^{610250} - 1$	183707	L555	09	
1628	$747 \cdot 2^{610126} - 1$	183670	L594	09	
1629	$423 \cdot 2^{609975} - 1$	183624	L576	09	
1630	$1137 \cdot 2^{609642} + 1$	183524	L768	09	
1631	$357491 \cdot 2^{609338} - 1$	183435	g302	03	
1632	$543 \cdot 2^{609174} - 1$	183383	L653	09	
1633	$1745 \cdot 2^{608842} - 1$	183283	L698	09	
1634	$1717 \cdot 2^{608773} - 1$	183263	L697	09	
1635	$59 \cdot 2^{608687} + 1$	183235	p161	08	
1636	$447 \cdot 2^{608666} + 1$	183230	L689	09	
1637	$795 \cdot 2^{608479} + 1$	183174	L717	09	
1638	$383 \cdot 2^{608340} - 1$	183132	L644	09	
1639	$1875 \cdot 2^{608322} - 1$	183127	L698	09	
1640	$181 \cdot 2^{608192} + 1$	183087	p189	07	
1641	$77 \cdot 2^{607920} - 1$	183005	L56	04	
1642	$1831 \cdot 2^{607887} - 1$	182996	L698	09	
1643	$1013 \cdot 2^{607834} - 1$	182980	L121	09	
1644	$267 \cdot 2^{607688} - 1$	182935	L261	07	
1645	$2 \cdot 131^{86365} + 1$	182859	g404	07	Divides $Phi(131^{86365}, 2)$
1646	$12345 \cdot 2^{607395} - 1$	182849	L183	06	
1647	$467 \cdot 2^{607118} - 1$	182764	L548	08	
1648	$Phi(3, -377716^{16384})$	182753	f7	05	Generalized unique
1649	$409 \cdot 2^{606805} - 1$	182670	L548	08	
1650	$1869 \cdot 2^{606779} - 1$	182662	L576	09	
1651	$245 \cdot 2^{606706} - 1$	182640	L426	07	
1652	$1305 \cdot 2^{606676} - 1$	182631	L121	09	

rank	description	digits	who	year	comment
1653	$633 \cdot 2^{606608} - 1$	182611	L548	08	
1654	$581 \cdot 2^{606443} + 1$	182561	L705	09	
1655	$945 \cdot 2^{606384} + 1$	182543	L656	09	
1656	$1441 \cdot 2^{606339} - 1$	182530	L701	09	
1657	$441 \cdot 2^{605849} - 1$	182382	L579	09	
1658	$1371 \cdot 2^{605798} - 1$	182367	L121	09	
1659	$3333 \cdot 2^{605640} + 1$	182320	g412	08	
1660	$859 \cdot 2^{605575} - 1$	182300	L644	09	
1661	$1911 \cdot 2^{605573} - 1$	182299	L697	09	
1662	$1103 \cdot 2^{605478} - 1$	182271	L121	09	
1663	$141 \cdot 2^{605392} + 1$	182244	p43	05	
1664	$17 \cdot 2^{605394} - 1$	182243	L141	06	
1665	$1331 \cdot 2^{605374} - 1$	182239	L121	09	
1666	$225 \cdot 2^{605172} + 1$	182178	p43	05	Generalized Fermat, divides $GF(605169, 3)$
1667	$1701 \cdot 2^{605054} - 1$	182143	L697	09	
1668	$587 \cdot 2^{605050} - 1$	182141	L579	08	
1669	$667 \cdot 2^{605037} - 1$	182138	L644	08	
1670	$329 \cdot 2^{604999} + 1$	182126	L153	08	
1671	$1631 \cdot 2^{604986} - 1$	182123	L697	09	
1672	$1311 \cdot 2^{604858} - 1$	182084	L121	09	
1673	$1015 \cdot 2^{604823} - 1$	182073	L121	09	
1674	$273 \cdot 2^{604822} + 1$	182073	L777	09	
1675	$285 \cdot 2^{604747} + 1$	182050	L758	09	
1676	$1247 \cdot 2^{604612} - 1$	182010	L121	09	
1677	$\text{Phi}(3, -358446^{16384})$	182008	f4	05	Generalized unique
1678	$1997 \cdot 2^{604582} - 1$	182001	L566	09	
1679	$173 \cdot 2^{604585} + 1$	182001	p189	07	
1680	$2933 \cdot 2^{604502} - 1$	181977	L698	09	
1681	$1587 \cdot 2^{604449} - 1$	181961	L697	09	
1682	$585 \cdot 2^{604450} + 1$	181961	L763	09	
1683	$\text{Phi}(3, -357238^{16384})$	181960	f7	05	Generalized unique
1684	$837 \cdot 2^{604188} + 1$	181882	L757	09	
1685	$1785 \cdot 2^{604151} - 1$	181871	L697	09	
1686	$2927 \cdot 2^{604126} - 1$	181864	L698	09	
1687	$\text{Phi}(3, -352694^{16384})$	181778	f4	05	Generalized unique
1688	$131 \cdot 2^{603738} - 1$	181746	L426	07	
1689	$549 \cdot 2^{603675} + 1$	181728	L794	09	
1690	$675 \cdot 2^{603636} - 1$	181716	L548	08	
1691	$\text{Phi}(3, -350159^{16384})$	181675	f7	05	Generalized unique
1692	$129 \cdot 2^{603488} - 1$	181671	L260	07	
1693	$907 \cdot 2^{603448} + 1$	181659	L153	08	
1694	$978847155 \cdot 2^{603383} - 1$	181646	L58	09	
1695	$1125 \cdot 2^{603350} - 1$	181630	L121	09	
1696	$1501 \cdot 2^{603315} - 1$	181620	L697	09	
1697	$\text{Phi}(3, -347458^{16384})$	181565	f7	05	Generalized unique
1698	$1101 \cdot 2^{602883} + 1$	181489	L795	09	
1699	$1673 \cdot 2^{602624} - 1$	181412	L698	09	
1700	$3039469 \cdot 2^{602609} - 1$	181410	L466	08	
1701	$539 \cdot 2^{602564} - 1$	181393	L548	08	

rank	description	digits	who	year	comment
1702	$111 \cdot 2^{602565} - 1$	181393	L91	05	
1703	$103 \cdot 2^{602483} - 1$	181368	L488	08	
1704	$169 \cdot 2^{602070} + 1$	181244	g246	07	Generalized Fermat
1705	$255 \cdot 2^{601910} - 1$	181196	g320	07	
1706	$1065 \cdot 2^{601742} - 1$	181146	L121	09	
1707	$725 \cdot 2^{601599} + 1$	181103	L153	08	
1708	$857 \cdot 2^{601512} - 1$	181077	L644	08	
1709	$1883 \cdot 2^{601494} - 1$	181072	L698	09	
1710	$863 \cdot 2^{601494} - 1$	181071	L644	08	
1711	$969 \cdot 2^{601488} - 1$	181069	L644	08	
1712	$986963835 \cdot 2^{601391} + 1$	181046	L631	08	
1713	$665 \cdot 2^{601262} - 1$	181001	L566	08	
1714	$5955 \cdot 2^{601219} - 1$	180989	L268	08	
1715	$1039 \cdot 2^{601187} - 1$	180979	L121	09	
1716	$2607 \cdot 2^{601176} + 1$	180976	g61	05	
1717	$17 \cdot 2^{601158} - 1$	180968	g267	04	
1718	$3135 \cdot 2^{601146} - 1$	180967	L615	09	
1719	$332554^{32768} + 1$	180941	GF5	02	Generalized Fermat
1720	$427 \cdot 2^{600836} + 1$	180873	L153	08	
1721	$330716^{32768} + 1$	180862	g232	01	Generalized Fermat
1722	$1021 \cdot 2^{600729} - 1$	180841	L121	09	
1723	$1419 \cdot 2^{600379} - 1$	180736	L804	09	
1724	$331 \cdot 2^{600339} - 1$	180723	L543	08	
1725	$33 \cdot 2^{600270} + 1$	180701	L126	05	Divides $GF(600269, 5)$
1726	$\text{Phi}(3, -326040^{16384})$	180659	f7	05	Generalized unique
1727	$903 \cdot 2^{600124} - 1$	180659	L644	08	
1728	$225 \cdot 2^{600080} + 1$	180645	p43	05	Generalized Fermat
1729	$4159449 \cdot 2^{600000} - 1$	180625	L81	06	
1730	$3672389 \cdot 2^{600000} - 1$	180625	L81	06	
1731	$3543819 \cdot 2^{600000} - 1$	180625	L81	06	
1732	$3368853 \cdot 2^{600000} - 1$	180625	L81	06	
1733	$2666517 \cdot 2^{600000} - 1$	180625	L81	06	
1734	$2606859 \cdot 2^{600000} - 1$	180625	L81	06	
1735	$2420747 \cdot 2^{600000} - 1$	180625	L81	06	
1736	$2220567 \cdot 2^{600000} - 1$	180625	L81	06	
1737	$2189259 \cdot 2^{600000} - 1$	180625	L81	06	
1738	$2092353 \cdot 2^{600000} - 1$	180625	L81	06	
1739	$1484163 \cdot 2^{600000} - 1$	180625	L81	06	
1740	$339217 \cdot 2^{600002} + 1$	180625	g305	07	
1741	$20475 \cdot 2^{600004} + 1$	180624	g305	07	
1742	$13971 \cdot 2^{600004} + 1$	180624	g305	07	
1743	$162585 \cdot 2^{600000} - 1$	180624	L81	06	
1744	$1395 \cdot 2^{599977} - 1$	180615	L121	09	
1745	$1077 \cdot 2^{599858} + 1$	180579	L656	09	
1746	$405405 \cdot 2^{599745} - 1$	180547	L466	08	
1747	$3234846615 \cdot 2^{599555} - 1$	180494	p113	05	
1748	$675 \cdot 2^{599539} - 1$	180483	L79	07	
1749	$455 \cdot 2^{599531} + 1$	180480	L656	09	
1750	$429 \cdot 2^{599478} + 1$	180464	L203	08	
1751	$321164^{32768} + 1$	180445	g232	01	Generalized Fermat

rank	description	digits	who	year	comment
1752	$603 \cdot 2^{599288} - 1$	180407	L543	08	
1753	$849 \cdot 2^{599283} + 1$	180406	L658	09	
1754	$1021 \cdot 2^{599175} - 1$	180373	L503	09	
1755	$1885 \cdot 2^{599049} - 1$	180335	L800	09	
1756	$861 \cdot 2^{599041} - 1$	180333	L79	06	
1757	$409 \cdot 2^{599013} - 1$	180324	L653	08	
1758	$1833 \cdot 2^{598984} - 1$	180316	L701	09	
1759	$\text{Phi}(3, -317790^{16384})$	180295	f7	05	Generalized unique
1760	$349 \cdot 2^{598831} - 1$	180269	L79	08	
1761	$999999999 \cdot 10^{180230} - 1$	180239	g208	08	Near-repdigit
1762	$1147 \cdot 2^{598616} + 1$	180205	L717	09	
1763	$843 \cdot 2^{598482} - 1$	180164	L653	08	
1764	$135 \cdot 2^{598478} + 1$	180162	L675	09	
1765	$22932195 \cdot 2^{598360} - 1$	180132	L138	06	
1766	$397 \cdot 2^{598342} + 1$	180122	L692	09	
1767	$677 \cdot 2^{598310} - 1$	180113	L543	08	
1768	$33 \cdot 2^{598248} - 1$	180093	L138	06	
1769	$1987 \cdot 2^{598201} - 1$	180080	L800	09	
1770	$1119 \cdot 2^{598163} + 1$	180069	L679	09	
1771	$519 \cdot 2^{598018} + 1$	180025	L627	09	
1772	$1815 \cdot 2^{597967} - 1$	180010	L251	09	
1773	$10^{180004} + 248797842 \cdot 10^{89998} + 1$	180005	D	07	Palindrome
1774	$927 \cdot 2^{597860} + 1$	179977	L671	09	
1775	$1983 \cdot 2^{597786} - 1$	179955	L698	09	
1776	$923 \cdot 2^{597546} - 1$	179883	L566	08	
1777	$685 \cdot 2^{597544} + 1$	179882	L656	09	
1778	$163 \cdot 2^{597474} + 1$	179860	p43	05	Divides $GF(597473, 3)$
1779	$\text{Phi}(3, -307866^{16384})$	179843	f7	05	Generalized unique
1780	$1209 \cdot 2^{596976} - 1$	179711	L121	09	
1781	$371 \cdot 2^{596942} - 1$	179701	L543	08	
1782	$609 \cdot 2^{596887} - 1$	179684	L548	08	
1783	$1011 \cdot 2^{596823} - 1$	179665	L503	09	
1784	$1727 \cdot 2^{596746} - 1$	179642	L697	09	
1785	$1179 \cdot 2^{596423} + 1$	179545	g387	06	
1786	$759 \cdot 2^{596225} - 1$	179485	L657	08	
1787	$1309 \cdot 2^{596029} - 1$	179426	L121	09	
1788	$1835 \cdot 2^{595990} - 1$	179415	L701	09	
1789	$421 \cdot 2^{595801} - 1$	179357	L548	08	
1790	$\text{Phi}(3, -297244^{16384})$	179343	f7	05	Generalized unique
1791	$1049 \cdot 2^{595751} + 1$	179342	L742	09	
1792	$1043 \cdot 2^{595722} - 1$	179334	L503	09	
1793	$315940139 \cdot 2^{595620} - 1$	179308	L10	04	
1794	$205252 \cdot 5^{256435} - 1$	179246	p232	08	
1795	$12401 \cdot 2^{595154} - 1$	179164	L536	09	
1796	$3039469 \cdot 2^{595009} - 1$	179123	L466	08	
1797	$1057 \cdot 2^{594689} - 1$	179023	L268	08	
1798	$1449 \cdot 2^{594636} - 1$	179007	L697	09	
1799	$471 \cdot 2^{594003} - 1$	178816	L543	08	
1800	$1155 \cdot 2^{593965} - 1$	178805	L121	09	
1801	$1043 \cdot 2^{593697} + 1$	178724	L651	09	

rank	description	digits	who	year	comment
1802	$965 \cdot 2^{593597} + 1$	178694	L739	09	
1803	$695 \cdot 2^{593568} - 1$	178685	L548	08	
1804	$685 \cdot 2^{593347} - 1$	178619	L548	08	
1805	$459 \cdot 2^{593309} + 1$	178607	L743	09	
1806	$1515 \cdot 2^{593203} - 1$	178576	L183	07	
1807	$511 \cdot 2^{592985} - 1$	178509	L548	08	
1808	$149 \cdot 2^{592968} - 1$	178504	L171	06	
1809	$1785 \cdot 2^{592848} - 1$	178469	L701	09	
1810	$1075 \cdot 2^{592515} - 1$	178368	L268	08	
1811	$1761 \cdot 2^{592301} - 1$	178304	L697	09	
1812	$10474035 \cdot 2^{592237} - 1$	178289	L18	08	
1813	$659 \cdot 2^{592243} + 1$	178286	L793	09	
1814	$255 \cdot 2^{592080} - 1$	178237	g320	07	
1815	$1025 \cdot 2^{592058} - 1$	178231	L121	09	
1816	$1719 \cdot 2^{592008} - 1$	178216	L701	09	
1817	$485 \cdot 2^{591787} + 1$	178149	L745	09	
1818	$555 \cdot 2^{591776} + 1$	178146	L635	09	
1819	$739 \cdot 2^{591681} - 1$	178117	L541	08	
1820	$1637 \cdot 2^{591668} - 1$	178114	L701	09	
1821	$645 \cdot 2^{591556} + 1$	178079	L651	09	
1822	$789 \cdot 2^{591441} - 1$	178045	L543	08	
1823	$1087 \cdot 2^{591382} + 1$	178027	L635	09	
1824	$1251 \cdot 2^{591194} - 1$	177971	L121	09	
1825	$617 \cdot 2^{591187} + 1$	177968	L749	09	
1826	$1083 \cdot 2^{590965} + 1$	177902	L792	09	
1827	$171 \cdot 2^{590818} - 1$	177857	L91	05	
1828	$1037 \cdot 2^{590791} + 1$	177849	L741	09	
1829	$719 \cdot 2^{590715} + 1$	177826	L746	09	
1830	$1619 \cdot 2^{590620} - 1$	177798	L697	09	
1831	$351 \cdot 2^{590579} - 1$	177785	L615	08	
1832	$12543 \cdot 2^{590327} - 1$	177711	L647	09	
1833	$1981 \cdot 2^{590077} - 1$	177635	L701	09	
1834	$Phi(3, -263458^{16384})$	177626	f7	05	Generalized unique
1835	$1245 \cdot 2^{589954} - 1$	177597	L121	09	
1836	$2 \cdot 353^{69705} + 1$	177593	g404	07	
1837	$98682705 \cdot 2^{589915} - 1$	177591	L545	08	
1838	$317 \cdot 2^{589755} + 1$	177537	L655	09	
1839	$1155 \cdot 2^{589735} - 1$	177531	L121	09	
1840	$679 \cdot 2^{589659} - 1$	177508	L548	08	
1841	$921 \cdot 2^{589470} - 1$	177452	L566	08	
1842	$813 \cdot 2^{589384} - 1$	177426	L566	08	
1843	$691 \cdot 2^{589341} - 1$	177413	L576	08	
1844	$1519 \cdot 2^{589297} - 1$	177400	L698	09	
1845	$1819 \cdot 2^{589189} - 1$	177367	L697	09	
1846	$1225 \cdot 2^{589189} - 1$	177367	L121	09	
1847	$1929 \cdot 2^{589136} - 1$	177351	L697	09	
1848	$1815 \cdot 2^{589131} - 1$	177350	L251	09	
1849	$1101 \cdot 2^{588999} - 1$	177310	L503	08	
1850	$123406 \cdot 5^{253626} + 1$	177283	p188	06	
1851	$981 \cdot 2^{588855} + 1$	177267	L679	09	

rank	description	digits	who	year	comment
1852	$973 \cdot 2^{588814} + 1$	177254	L728	09	
1853	$927 \cdot 2^{588621} - 1$	177196	L566	08	
1854	$1189 \cdot 2^{588585} - 1$	177185	L121	09	
1855	$1383 \cdot 2^{588560} - 1$	177178	L121	09	
1856	$351 \cdot 2^{588325} + 1$	177107	L651	09	Divides $GF(588323, 6)$
1857	$\text{Phi}(3, -64319462214^{8192})$	177084	f18	06	Generalized unique
1858	$1973 \cdot 2^{588090} - 1$	177037	L701	09	
1859	$1075 \cdot 2^{588029} - 1$	177018	L268	08	
1860	$279 \cdot 2^{587881} - 1$	176973	L145	07	
1861	$39 \cdot 2^{587850} + 1$	176963	g267	05	
1862	$301 \cdot 2^{587635} - 1$	176899	L79	07	
1863	$25 \cdot 2^{587585} - 1$	176883	L137	06	
1864	$161 \cdot 2^{587570} - 1$	176879	L323	08	
1865	$249830^{32768} + 1$	176871	g242	01	Generalized Fermat
1866	$1741 \cdot 2^{587137} - 1$	176750	L701	09	
1867	$1575 \cdot 2^{587013} - 1$	176712	L251	09	
1868	$229 \cdot 2^{586795} - 1$	176646	L145	06	
1869	$1415 \cdot 2^{586778} - 1$	176641	L268	08	
1870	$1745 \cdot 2^{586722} - 1$	176625	L555	09	
1871	$1179 \cdot 2^{586711} - 1$	176621	L121	09	
1872	$1437 \cdot 2^{586702} - 1$	176619	L701	09	
1873	$93 \cdot 2^{586453} + 1$	176542	g196	03	
1874	$4275 \cdot 2^{586352} - 1$	176514	L268	08	
1875	$819 \cdot 2^{586330} + 1$	176506	L714	09	
1876	$365 \cdot 2^{586189} + 1$	176464	L759	09	
1877	$99 \cdot 2^{586088} - 1$	176433	L167	06	
1878	$195 \cdot 2^{585988} + 1$	176403	p189	07	Divides $GF(585985, 12)$ [K]
1879	$999 \cdot 2^{585907} + 1$	176379	L110	06	
1880	$741 \cdot 2^{585865} - 1$	176366	L583	08	
1881	$\text{Phi}(3, -241074^{16384})$	176363	f7	05	Generalized unique
1882	$\text{Phi}(3, -240513^{16384})$	176330	p72	05	Generalized unique
1883	$8331405 \cdot 2^{585714} - 1$	176325	L87	05	
1884	$1971 \cdot 2^{585723} - 1$	176324	L804	09	
1885	$879 \cdot 2^{585649} + 1$	176301	L635	09	
1886	$841 \cdot 2^{585467} - 1$	176247	L644	08	
1887	$237 \cdot 2^{585403} + 1$	176227	L738	09	
1888	$33 \cdot 2^{585400} - 1$	176225	L138	06	
1889	$711 \cdot 2^{585381} + 1$	176221	L661	09	
1890	$191 \cdot 2^{585377} + 1$	176219	p189	07	
1891	$447 \cdot 2^{585292} - 1$	176194	L548	08	
1892	$151 \cdot 2^{585044} + 1$	176118	L446	07	Divides Fermat $F(585042)$
1893	$3 \cdot 2^{584995} - 1$	176102	L24	03	
1894	$843 \cdot 2^{584873} + 1$	176068	L752	09	
1895	$1379 \cdot 2^{584492} - 1$	175953	L121	09	
1896	$407 \cdot 2^{584491} + 1$	175952	L203	08	
1897	$1083 \cdot 2^{584474} - 1$	175948	L121	09	
1898	$1503 \cdot 2^{584384} - 1$	175921	L697	09	
1899	$2931 \cdot 2^{584103} - 1$	175836	L698	09	
1900	$1003 \cdot 2^{584103} - 1$	175836	L51	04	
1901	$1035 \cdot 2^{583882} - 1$	175770	L121	09	

rank	description	digits	who	year	comment
1902	$1137 \cdot 2^{583778} + 1$	175738	L765	09	
1903	$Phi(3, 29093^{19683})$	175722	p16	02	Generalized unique
1904	$1141 \cdot 2^{583629} - 1$	175693	L121	09	
1905	$1253 \cdot 2^{583560} - 1$	175673	L121	09	
1906	$297 \cdot 2^{583464} - 1$	175643	L421	07	
1907	$Phi(3, 28808^{19683})$	175554	p16	02	Generalized unique
1908	$183 \cdot 2^{583114} + 1$	175538	p189	07	
1909	$1407 \cdot 2^{582881} - 1$	175468	L701	09	
1910	$736320585 \cdot 2^{582738} - 1$	175431	L200	07	
1911	$1605 \cdot 2^{582712} - 1$	175417	L698	09	
1912	$123 \cdot 2^{582672} + 1$	175404	p189	07	
1913	$1145 \cdot 2^{582594} - 1$	175382	L284	09	
1914	$2199 \cdot 2^{582592} - 1$	175382	L268	08	
1915	$177 \cdot 2^{582454} - 1$	175339	L145	06	
1916	$795 \cdot 2^{582242} + 1$	175276	L739	09	
1917	$246419198025 \cdot 2^{582194} - 1$	175270	L106	06	
1918	$1029 \cdot 2^{582099} + 1$	175233	L651	09	
1919	$53 \cdot 2^{582078} - 1$	175225	L251	07	
1920	$1151 \cdot 2^{581961} + 1$	175191	L692	09	
1921	$1749 \cdot 2^{581897} - 1$	175172	L566	09	
1922	$1609 \cdot 2^{581865} - 1$	175163	L619	09	
1923	$10^{175108} + 230767032 \cdot 10^{87550} + 1$	175109	D	07	Palindrome
1924	$Phi(3, -219682^{16384})$	175040	f7	05	Generalized unique
1925	$1053 \cdot 2^{581417} + 1$	175027	L740	09	
1926	$1353 \cdot 2^{581310} - 1$	174995	L121	09	
1927	$595 \cdot 2^{581167} - 1$	174952	L644	08	
1928	$199 \cdot 2^{581119} - 1$	174937	L426	07	
1929	$1669 \cdot 2^{581085} - 1$	174928	L697	09	
1930	$645 \cdot 2^{580866} + 1$	174861	L735	09	
1931	$2185 \cdot 2^{580861} - 1$	174860	L268	08	
1932	$1717 \cdot 2^{580825} - 1$	174849	L697	09	
1933	$1749 \cdot 2^{580743} - 1$	174825	L555	09	
1934	$99 \cdot 2^{580738} + 1$	174822	p76	05	
1935	$1507 \cdot 2^{580717} - 1$	174817	L697	09	
1936	$69 \cdot 2^{580596} - 1$	174779	L138	06	
1937	$93 \cdot 2^{580482} - 1$	174745	L147	07	
1938	$1221 \cdot 2^{580429} - 1$	174730	L121	09	
1939	$1143 \cdot 2^{580320} - 1$	174697	L121	09	
1940	$1077 \cdot 2^{580294} - 1$	174689	L121	09	
1941	$1453 \cdot 2^{580287} - 1$	174687	L701	09	
1942	$1909 \cdot 2^{580267} - 1$	174682	L697	09	
1943	$569 \cdot 2^{580181} + 1$	174655	L687	09	
1944	$1361 \cdot 2^{580082} - 1$	174626	L121	09	
1945	$1989 \cdot 2^{580079} - 1$	174625	L697	09	
1946	$1621 \cdot 2^{579705} - 1$	174512	L697	09	
1947	$339728 \cdot 5^{249588} - 1$	174461	p188	06	
1948	$5855 \cdot 2^{579408} - 1$	174423	L268	08	
1949	$1597 \cdot 2^{579373} - 1$	174412	L488	07	
1950	$775 \cdot 2^{579335} - 1$	174401	L644	08	
1951	$1005 \cdot 2^{579154} + 1$	174346	L661	09	

rank	description	digits	who	year	comment
1952	$2715 \cdot 2^{578940} - 1$	174282	L257	09	
1953	$666625245 \cdot 2^{578853} - 1$	174261	L545	08	
1954	$108045 \cdot 2^{578856} - 1$	174259	L466	08	
1955	$122149 \cdot 2^{578806} + 1$	174244	g341	04	
1956	$843 \cdot 2^{578747} - 1$	174224	L548	08	
1957	$675 \cdot 2^{578746} - 1$	174223	L79	07	
1958	$895 \cdot 2^{578637} - 1$	174191	L644	08	
1959	$65 \cdot 2^{578512} - 1$	174152	L132	05	
1960	$89707 \cdot 2^{578313} - 1$	174095	g173	03	
1961	$761 \cdot 2^{578113} + 1$	174033	L755	09	
1962	$1113 \cdot 2^{578090} - 1$	174026	L503	09	
1963	$1031 \cdot 2^{578089} + 1$	174026	L747	09	
1964	$1881 \cdot 2^{578065} - 1$	174019	L701	09	
1965	$204462^{32768} + 1$	174019	g27	01	Generalized Fermat
1966	$255 \cdot 2^{577903} - 1$	173969	g320	06	
1967	$1171 \cdot 2^{577863} - 1$	173958	L121	09	
1968	$735 \cdot 2^{577763} - 1$	173927	g172	06	
1969	$\text{Phi}(3, -203097^{16384})$	173923	f4	05	Generalized unique
1970	$163 \cdot 2^{577723} - 1$	173915	L323	08	
1971	$1005 \cdot 2^{577597} + 1$	173878	L737	09	
1972	$975 \cdot 2^{577342} + 1$	173801	L692	09	
1973	$1239 \cdot 2^{576831} - 1$	173647	L121	09	
1974	$171 \cdot 2^{576733} - 1$	173617	L91	05	
1975	$67 \cdot 2^{576558} + 1$	173564	p227	08	
1976	$1225 \cdot 2^{576459} - 1$	173535	L121	09	
1977	$791 \cdot 2^{576238} - 1$	173468	L644	08	
1978	$1491 \cdot 2^{576227} - 1$	173465	L566	09	
1979	$999 \cdot 2^{576128} - 1$	173435	L644	08	
1980	$615 \cdot 2^{575972} + 1$	173388	L119	09	
1981	$463 \cdot 2^{575902} + 1$	173367	L713	09	
1982	$735 \cdot 2^{575880} - 1$	173361	g172	06	
1983	$1965 \cdot 2^{575717} - 1$	173312	L585	09	
1984	$1177 \cdot 2^{575684} + 1$	173302	L717	09	
1985	$922141 \cdot 2^{575631} - 1$	173289	L74	08	
1986	$850531 \cdot 2^{575631} - 1$	173289	L74	08	
1987	$1312 \cdot 45^{104779} - 1$	173226	p244	09	
1988	$331 \cdot 2^{575199} - 1$	173155	g320	07	
1989	$98939 \cdot 2^{575144} - 1$	173141	g163	01	
1990	$877 \cdot 2^{575074} + 1$	173118	L734	09	
1991	$459 \cdot 2^{574949} + 1$	173080	L196	09	
1992	$553 \cdot 2^{574760} + 1$	173023	L656	09	
1993	$371697 \cdot 2^{574646} - 1$	172992	g356	06	
1994	$45 \cdot 2^{574506} + 1$	172946	g409	07	Divides $GF(574504, 3)$
1995	$903 \cdot 2^{574412} + 1$	172919	L656	09	
1996	$1581823815 \cdot 2^{574196} - 1$	172860	L83	05	
1997	$2505 \cdot 2^{574175} - 1$	172848	L257	09	
1998	$3039469 \cdot 2^{574029} - 1$	172807	L466	08	
1999	$6465 \cdot 2^{574035} + 1$	172806	g258	09	
2000	$1143 \cdot 2^{573894} + 1$	172763	L717	09	Divides $GF(573892, 3)$
2001	$749 \cdot 2^{573524} - 1$	172651	L644	08	

rank	description	digits	who	year	comment
2002	$465 \cdot 2^{573441} + 1$	172626	L702	09	
2003	$1115 \cdot 2^{573391} + 1$	172611	L656	09	
2004	$213 \cdot 2^{573332} + 1$	172593	L756	09	
2005	$779 \cdot 2^{573211} + 1$	172557	L679	09	
2006	$9101981 \cdot 2^{572981} + 1$	172492	g405	09	
2007	$113 \cdot 2^{572966} - 1$	172483	L257	08	
2008	$Phi(3, 24071^{19683})$	172482	p16	02	Generalized unique
2009	$Phi(3, -33650405888^{8192})$	172475	f14	06	Generalized unique
2010	$929 \cdot 2^{572799} + 1$	172433	L656	09	
2011	$855 \cdot 2^{572656} - 1$	172390	L644	08	
2012	$389 \cdot 2^{572625} + 1$	172380	L732	09	
2013	$405 \cdot 2^{572623} + 1$	172380	L203	07	
2014	$861 \cdot 2^{572559} - 1$	172361	L79	06	
2015	$439 \cdot 2^{572313} - 1$	172287	L644	08	
2016	$1799 \cdot 2^{572228} - 1$	172262	L697	09	
2017	$141 \cdot 2^{572007} + 1$	172194	p43	05	
2018	$1113 \cdot 2^{571998} + 1$	172192	L744	09	
2019	$Phi(3, -32245301250^{8192})$	172171	f14	06	Generalized unique
2020	$393 \cdot 2^{571884} + 1$	172157	L754	09	
2021	$615 \cdot 2^{571871} - 1$	172154	L644	08	
2022	$1581823815 \cdot 2^{571773} - 1$	172131	L83	05	
2023	$615 \cdot 2^{571623} - 1$	172079	L644	08	
2024	$1815 \cdot 2^{571513} - 1$	172046	L251	09	
2025	$459 \cdot 2^{571508} - 1$	172044	L644	08	
2026	$999 \cdot 2^{571360} - 1$	172000	L644	08	
2027	$1077 \cdot 2^{571351} + 1$	171997	L751	09	
2028	$227968 \cdot 5^{245975} - 1$	171935	p225	07	
2029	$371 \cdot 2^{571042} - 1$	171904	L548	08	
2030	$1995 \cdot 2^{570951} - 1$	171877	L697	09	
2031	$2607 \cdot 2^{570948} + 1$	171876	g61	05	
2032	$659 \cdot 2^{570903} + 1$	171862	L729	09	
2033	$673 \cdot 2^{570898} + 1$	171861	L656	09	
2034	$1581823815 \cdot 2^{570823} - 1$	171845	L83	05	
2035	$2955 \cdot 2^{570821} - 1$	171838	L257	09	
2036	$40078 \cdot 5^{245766} + 1$	171788	p215	07	
2037	$217 \cdot 2^{570616} + 1$	171775	L689	09	
2038	$699 \cdot 2^{570581} + 1$	171765	L665	09	
2039	$571 \cdot 2^{570443} - 1$	171724	L644	08	
2040	$141 \cdot 2^{570401} + 1$	171710	p43	05	
2041	$309 \cdot 2^{570389} + 1$	171707	L668	09	
2042	$1141 \cdot 2^{570348} + 1$	171695	L656	09	
2043	$981 \cdot 2^{570197} - 1$	171650	L585	08	
2044	$427 \cdot 2^{570112} + 1$	171624	L203	08	
2045	$753 \cdot 2^{570008} - 1$	171593	L585	08	
2046	$5855 \cdot 2^{569974} - 1$	171584	L268	08	
2047	$81411 \cdot 2^{569884} + 1$	171558	p243	09	
2048	$19580625 \cdot 2^{569850} + 1$	171550	L71	07	Generalized Fermat
2049	$666625245 \cdot 2^{569811} - 1$	171540	L545	08	
2050	$2759 \cdot 2^{569812} - 1$	171534	L251	08	
2051	$1797 \cdot 2^{569782} - 1$	171525	L698	09	

rank	description	digits	who	year	comment
2052	$1045 \cdot 2^{569617} - 1$	171475	L268	08	
2053	$1099 \cdot 2^{569559} - 1$	171458	L503	08	
2054	$1143 \cdot 2^{569557} + 1$	171457	L196	09	
2055	$197 \cdot 2^{569222} - 1$	171356	L167	07	
2056	$703 \cdot 2^{569043} - 1$	171302	L644	08	
2057	$759375 \cdot 2^{568888} - 1$	171259	L284	08	
2058	$15 \cdot 2^{568780} - 1$	171222	L52	05	
2059	$167176^{32768} + 1$	171153	g0	00	Generalized Fermat
2060	$79635 \cdot 2^{568417} - 1$	171116	L860	09	
2061	$931 \cdot 2^{568391} - 1$	171106	L548	08	
2062	$Phi(3, -27745199048^{8192})$	171102	f6	06	Generalized unique
2063	$707 \cdot 2^{568259} + 1$	171066	L675	09	
2064	$1735 \cdot 2^{568151} - 1$	171034	L566	09	
2065	$1307 \cdot 2^{567966} - 1$	170978	L121	09	
2066	$5380571 \cdot 2^{567890} - 1$	170959	L81	05	
2067	$5256777 \cdot 2^{567890} - 1$	170959	L81	05	
2068	$4537013 \cdot 2^{567890} - 1$	170959	L81	05	
2069	$4455531 \cdot 2^{567890} - 1$	170959	L81	05	
2070	$4206591 \cdot 2^{567890} - 1$	170959	L81	05	
2071	$3941273 \cdot 2^{567890} - 1$	170959	L81	05	
2072	$3443493 \cdot 2^{567890} - 1$	170959	L81	05	
2073	$3399591 \cdot 2^{567890} - 1$	170959	L81	05	
2074	$3275663 \cdot 2^{567890} - 1$	170959	L81	05	
2075	$2166717 \cdot 2^{567890} - 1$	170959	L81	05	
2076	$1699307 \cdot 2^{567890} - 1$	170959	L81	05	
2077	$1113315 \cdot 2^{567890} - 1$	170958	L81	05	
2078	$829653 \cdot 2^{567890} - 1$	170958	L81	05	
2079	$183435 \cdot 2^{567890} - 1$	170958	L81	05	
2080	$1665 \cdot 2^{567736} - 1$	170909	L251	09	
2081	$1367 \cdot 2^{567244} - 1$	170761	L121	09	
2082	$519 \cdot 2^{567235} + 1$	170758	L656	09	Divides Fermat $F(567233)$
2083	$2925 \cdot 2^{567219} - 1$	170754	L268	09	
2084	$305 \cdot 2^{567161} + 1$	170735	L679	09	
2085	$301 \cdot 2^{566979} - 1$	170681	L79	07	
2086	$1187 \cdot 2^{566940} - 1$	170670	L121	09	
2087	$1107 \cdot 2^{566777} - 1$	170620	L503	09	
2088	$66242 \cdot 5^{244063} + 1$	170598	p215	07	
2089	$2073 \cdot 2^{566123} - 1$	170424	L268	08	
2090	$1371 \cdot 2^{566085} - 1$	170412	L121	09	
2091	$57 \cdot 2^{565994} - 1$	170383	L261	07	
2092	$291 \cdot 2^{565917} - 1$	170361	L261	07	
2093	$1253 \cdot 2^{565904} - 1$	170358	L121	09	
2094	$49335 \cdot 2^{565857} - 1$	170345	L860	09	
2095	$1479 \cdot 2^{565777} - 1$	170320	L697	09	
2096	$315 \cdot 2^{565722} + 1$	170302	g361	07	
2097	$78795 \cdot 2^{565677} - 1$	170291	L860	09	
2098	$435 \cdot 2^{565591} + 1$	170263	L692	09	
2099	$1867 \cdot 2^{565489} - 1$	170233	L566	09	
2100	$1011 \cdot 2^{565482} - 1$	170231	L503	09	
2101	$1353 \cdot 2^{565374} - 1$	170198	L121	09	

rank	description	digits	who	year	comment
2102	$459 \cdot 2^{565374} + 1$	170198	L728	09	
2103	$869688105 \cdot 2^{565266} - 1$	170171	L139	06	
2104	$219 \cdot 2^{565209} + 1$	170148	L754	09	
2105	$1893 \cdot 2^{565191} - 1$	170143	L804	09	
2106	$129 \cdot 2^{564990} + 1$	170082	L675	09	
2107	$41117 \cdot 2^{564778} - 1$	170020	L6	05	
2108	$10^{170006} + 3880883 \cdot 10^{85000} + 1$	170007	D	06	Palindrome
2109	$392113\# + 1$	169966	p16	01	Primorial
2110	$349 \cdot 2^{564443} - 1$	169917	L79	08	
2111	$315 \cdot 2^{564347} - 1$	169888	L79	07	
2112	$895 \cdot 2^{564319} - 1$	169880	L548	08	
2113	$1413 \cdot 2^{564298} - 1$	169874	L804	09	
2114	$885 \cdot 2^{564282} - 1$	169869	L548	08	
2115	$555555 \cdot 2^{564235} - 1$	169858	L862	09	
2116	$181 \cdot 2^{563997} - 1$	169783	L145	06	
2117	$1047 \cdot 2^{563956} + 1$	169771	L656	09	
2118	$1627 \cdot 2^{563789} - 1$	169721	L566	09	
2119	$1641 \cdot 2^{563774} - 1$	169717	L701	09	
2120	$281 \cdot 2^{563713} + 1$	169697	L656	09	
2121	$623 \cdot 2^{563618} - 1$	169669	L548	08	
2122	$91 \cdot 2^{563469} - 1$	169624	L145	06	
2123	$825 \cdot 2^{563255} - 1$	169560	L548	08	
2124	$453 \cdot 2^{563253} + 1$	169559	L665	09	
2125	$1005 \cdot 2^{563235} - 1$	169554	L503	09	
2126	$(2^{281621} + 1)^2 - 2$	169553	p89	05	
2127	$737 \cdot 2^{563135} + 1$	169524	L705	09	
2128	$785 \cdot 2^{562861} + 1$	169441	L750	09	
2129	$459 \cdot 2^{562794} + 1$	169421	L725	09	
2130	$755 \cdot 2^{562655} + 1$	169379	L656	09	
2131	$613 \cdot 2^{562536} + 1$	169343	L725	09	
2132	$13 \cdot 2^{562456} + 1$	169318	g267	03	Divides $GF(562454, 5)$
2133	$1175 \cdot 2^{562177} + 1$	169236	L692	09	
2134	$507 \cdot 2^{562132} - 1$	169222	L548	08	
2135	$1001 \cdot 2^{562107} + 1$	169215	L725	09	
2136	$1059 \cdot 2^{561903} + 1$	169153	L692	09	
2137	$7 \cdot 2^{561816} + 1$	169125	g148	03	Divides $GF(561815, 5)$; $GF(561815, 6)$ [p149]
2138	$365 \cdot 2^{561783} + 1$	169117	L725	09	
2139	$821 \cdot 2^{561774} - 1$	169114	L566	08	
2140	$1109 \cdot 2^{561705} + 1$	169094	L78	06	
2141	$349 \cdot 2^{561646} + 1$	169075	L726	09	
2142	$815730721 \cdot 2^{561584} + 1$	169063	L466	09	Generalized Fermat
2143	$990267135 \cdot 2^{561576} - 1$	169061	L545	08	
2144	$964 \cdot 7^{200026} + 1$	169045	g107	04	
2145	$1881 \cdot 2^{561461} - 1$	169020	L576	09	
2146	$195 \cdot 2^{561444} - 1$	169014	L138	06	
2147	$295 \cdot 2^{561426} + 1$	169009	L725	09	
2148	$753 \cdot 2^{561335} - 1$	168982	L548	08	
2149	$5555 \cdot 2^{561246} - 1$	168956	L268	08	
2150	$2 \cdot 809^{58099} + 1$	168950	g404	08	

rank	description	digits	who	year	comment
2151	$978847155 \cdot 2^{561111} - 1$	168921	L58	08	
2152	$123 \cdot 2^{561012} + 1$	168884	p189	07	
2153	$199 \cdot 2^{560987} - 1$	168877	L426	07	
2154	$117 \cdot 2^{560848} - 1$	168835	L145	07	
2155	$1581823815 \cdot 2^{560649} - 1$	168782	L83	05	
2156	$951 \cdot 2^{560599} + 1$	168761	L727	09	
2157	$163 \cdot 2^{560576} + 1$	168753	p43	05	
2158	$19580625 \cdot 2^{560531} + 1$	168744	L71	07	
2159	$249 \cdot 2^{560519} + 1$	168736	L651	09	
2160	$4 \cdot 3^{353635} - 1$	168728	p228	08	
2161	$1909 \cdot 2^{560435} - 1$	168712	L698	09	
2162	$1165 \cdot 2^{560367} - 1$	168691	L268	08	
2163	$705 \cdot 2^{560319} + 1$	168676	L656	09	
2164	$49335 \cdot 2^{560295} - 1$	168671	L860	09	
2165	$229 \cdot 2^{560259} - 1$	168658	L171	06	
2166	$861 \cdot 2^{560221} - 1$	168647	L79	06	
2167	$111546435 \cdot 2^{559752} - 1$	168511	L466	08	
2168	$339 \cdot 2^{559637} + 1$	168471	L725	09	
2169	$64 \cdot 3^{353093} + 1$	168470	x28	05	
2170	$967 \cdot 2^{559594} + 1$	168458	L687	09	
2171	$1663 \cdot 2^{559547} - 1$	168444	L701	09	
2172	$1173 \cdot 2^{559444} + 1$	168413	L723	09	
2173	$1503 \cdot 2^{559427} - 1$	168408	L807	09	
2174	$Phi(3, -137683^{16384})$	168391	f2	05	Generalized unique
2175	$1305 \cdot 2^{559257} - 1$	168357	L121	09	
2176	$1821 \cdot 2^{559186} - 1$	168336	L697	09	
2177	$1827 \cdot 2^{559128} - 1$	168318	L701	09	
2178	$249 \cdot 2^{558959} + 1$	168266	p227	08	
2179	$861 \cdot 2^{558945} - 1$	168263	L79	06	
2180	$2505 \cdot 2^{558870} - 1$	168241	L268	09	
2181	$1111 \cdot 2^{558861} - 1$	168237	L503	09	
2182	$1133 \cdot 2^{558656} - 1$	168176	L121	09	
2183	$939 \cdot 2^{558605} - 1$	168160	L548	08	
2184	$1151 \cdot 2^{558549} + 1$	168144	L721	09	
2185	$1155 \cdot 2^{558534} + 1$	168139	L181	08	
2186	$1801 \cdot 2^{558523} - 1$	168136	L566	09	
2187	$1601 \cdot 2^{558478} - 1$	168122	L566	09	
2188	$1683 \cdot 2^{558472} - 1$	168121	L698	09	
2189	$975 \cdot 2^{558469} - 1$	168119	L548	08	
2190	$1851 \cdot 2^{558458} - 1$	168116	L701	09	
2191	$2151 \cdot 2^{558397} - 1$	168098	L268	08	
2192	$219 \cdot 2^{558313} - 1$	168072	L91	05	
2193	$2355 \cdot 2^{558309} - 1$	168072	L268	09	
2194	$1485 \cdot 2^{558224} + 1$	168046	g405	07	
2195	$1029 \cdot 2^{558220} - 1$	168044	L503	09	
2196	$591 \cdot 2^{558045} + 1$	167992	L651	09	
2197	$1971 \cdot 2^{558030} - 1$	167988	L697	09	
2198	$405405 \cdot 2^{558018} - 1$	167986	L466	08	
2199	$1445 \cdot 2^{558010} - 1$	167981	L802	09	
2200	$36315 \cdot 2^{557985} - 1$	167975	L251	09	

rank	description	digits	who	year	comment
2201	$741 \cdot 2^{557981} - 1$	167972	L566	08	
2202	$1911 \cdot 2^{557915} - 1$	167953	L698	09	
2203	$246419198025 \cdot 2^{557789} - 1$	167923	L106	06	
2204	$1951 \cdot 2^{557649} - 1$	167873	L701	09	
2205	$169719 \cdot 2^{557557} + 1$	167847	g141	00	
2206	$2775 \cdot 2^{557490} - 1$	167825	L268	09	
2207	$385 \cdot 2^{557488} + 1$	167824	L721	09	
2208	$1469 \cdot 2^{557420} - 1$	167804	L268	09	
2209	$446509 \cdot 2^{557118} + 1$	167715	g182	03	
2210	$1845 \cdot 2^{557102} - 1$	167708	L18	09	
2211	$861 \cdot 2^{557092} + 1$	167705	L681	09	
2212	$1085 \cdot 2^{556987} + 1$	167673	L721	09	
2213	$1875 \cdot 2^{556800} - 1$	167617	L697	09	
2214	$53625 \cdot 2^{556611} - 1$	167562	L251	09	
2215	$1935 \cdot 2^{556591} - 1$	167554	L251	08	
2216	$267 \cdot 2^{556486} + 1$	167522	p227	08	
2217	$2547 \cdot 2^{556368} - 1$	167487	L323	09	
2218	$111546435 \cdot 2^{556240} - 1$	167453	L466	08	
2219	$1965 \cdot 2^{556221} - 1$	167443	L566	09	
2220	$1171 \cdot 2^{556200} + 1$	167436	L679	09	
2221	$22932195 \cdot 2^{556146} - 1$	167424	L138	06	
2222	$1877 \cdot 2^{556150} - 1$	167422	L697	09	
2223	$37785 \cdot 2^{556108} - 1$	167410	L251	09	
2224	$235 \cdot 2^{556077} - 1$	167399	L163	06	
2225	$203 \cdot 2^{556069} + 1$	167396	p161	08	
2226	$243 \cdot 2^{555984} + 1$	167371	L165	07	Divides $GF(555978, 3)$
2227	$4 \cdot 3^{50767} - 1$	167359	p228	08	
2228	$23741 \cdot 2^{555921} + 1$	167354	L541	08	
2229	$39 \cdot 2^{555902} + 1$	167345	g267	05	
2230	$515 \cdot 2^{555895} + 1$	167344	L670	09	
2231	$1427 \cdot 2^{555872} - 1$	167338	L698	09	
2232	$519 \cdot 2^{555760} - 1$	167304	L615	08	
2233	$5347983 \cdot 2^{555555} - 1$	167246	L81	06	
2234	$5184553 \cdot 2^{555555} - 1$	167246	L81	06	
2235	$5028771 \cdot 2^{555555} - 1$	167246	L81	06	
2236	$4700535 \cdot 2^{555555} - 1$	167246	L81	06	
2237	$4258965 \cdot 2^{555555} - 1$	167246	L81	06	
2238	$3664525 \cdot 2^{555555} - 1$	167246	L81	06	
2239	$3659001 \cdot 2^{555555} - 1$	167246	L81	06	
2240	$3516945 \cdot 2^{555555} - 1$	167246	L81	06	
2241	$2949993 \cdot 2^{555555} - 1$	167246	L81	06	
2242	$2876215 \cdot 2^{555555} - 1$	167246	L81	06	
2243	$2169615 \cdot 2^{555555} - 1$	167246	L81	06	
2244	$1003323 \cdot 2^{555555} - 1$	167245	L81	06	
2245	$827365 \cdot 2^{555555} - 1$	167245	L81	06	
2246	$465099 \cdot 2^{555555} - 1$	167245	L81	06	
2247	$339559 \cdot 2^{555555} - 1$	167245	L81	06	
2248	$135345 \cdot 2^{555555} - 1$	167244	L81	06	
2249	$879 \cdot 2^{555471} - 1$	167217	L644	08	
2250	$283076 \cdot 5^{239214} - 1$	167209	p225	08	

rank	description	digits	who	year	comment
2251	$207 \cdot 2^{55422} + 1$	167201	p161	08	
2252	$1297 \cdot 2^{55189} - 1$	167132	L121	09	
2253	$99 \cdot 2^{55115} + 1$	167109	p114	05	
2254	$865 \cdot 2^{55071} - 1$	167096	L644	08	
2255	$2937 \cdot 2^{55062} - 1$	167094	L698	09	
2256	$897 \cdot 2^{55048} + 1$	167090	L685	09	
2257	$301 \cdot 2^{554825} - 1$	167022	L80	07	
2258	$1055 \cdot 2^{554686} - 1$	166981	L503	09	
2259	$33909 \cdot 23\#^{20000} - 1$	166975	p229	08	
2260	$1917 \cdot 2^{554596} - 1$	166954	L697	09	
2261	$729 \cdot 2^{554074} + 1$	166796	L656	09	Generalized Fermat
2262	$181 \cdot 2^{553989} - 1$	166770	L138	06	
2263	$1131 \cdot 2^{553862} - 1$	166733	L121	09	
2264	$1213 \cdot 2^{553807} - 1$	166716	L121	09	
2265	$1227 \cdot 2^{553552} - 1$	166639	L121	09	
2266	$945 \cdot 2^{553388} + 1$	166590	L656	09	
2267	$2995125705 \cdot 2^{553148} - 1$	166524	L87	05	
2268	$877 \cdot 2^{552961} - 1$	166461	L644	08	
2269	$327 \cdot 2^{552901} - 1$	166443	L615	08	
2270	$855 \cdot 2^{552791} + 1$	166410	L156	07	
2271	$1581823815 \cdot 2^{552718} - 1$	166394	L83	05	
2272	$1173 \cdot 2^{552630} + 1$	166362	L679	09	
2273	$4 \cdot 12^{154142} + 1$	166348	x37	09	Generalized Fermat
2274	$825 \cdot 2^{552348} - 1$	166277	L548	08	
2275	$58855 \cdot 2^{552296} + 1$	166263	L541	08	
2276	$191 \cdot 2^{552085} + 1$	166197	p189	07	
2277	$5761455 \cdot 2^{551907} - 1$	166148	g393	05	
2278	$1763 \cdot 2^{551866} - 1$	166132	L697	09	
2279	$37 \cdot 2^{551830} + 1$	166119	p122	05	
2280	$406033 \cdot 2^{551315} - 1$	165968	L138	06	
2281	$2955 \cdot 2^{551281} - 1$	165956	L268	09	
2282	$1187 \cdot 2^{551280} - 1$	165955	L121	09	
2283	$81 \cdot 2^{551155} + 1$	165917	gt	06	
2284	$1963 \cdot 2^{551139} - 1$	165913	L697	09	
2285	$37785 \cdot 2^{550940} - 1$	165855	L251	09	
2286	$1023 \cdot 2^{550765} + 1$	165800	L687	09	
2287	$601 \cdot 2^{550691} - 1$	165778	L644	08	
2288	$587 \cdot 2^{550576} - 1$	165743	L644	08	
2289	$1157 \cdot 2^{550426} - 1$	165698	L121	09	
2290	$563 \cdot 2^{550396} - 1$	165689	L644	08	
2291	$666625245 \cdot 2^{550161} - 1$	165624	L146	08	
2292	$195 \cdot 2^{550148} + 1$	165614	p189	07	
2293	$291 \cdot 2^{550040} + 1$	165582	p240	09	
2294	$425 \cdot 2^{550026} - 1$	165577	L644	08	
2295	$\text{Phi}(3, -12742963350^{8192})$	165565	f18	06	Generalized unique
2296	$1287 \cdot 2^{549917} - 1$	165545	L121	09	
2297	$210885 \cdot 2^{549843} - 1$	165525	L137	05	
2298	$923 \cdot 2^{549734} - 1$	165490	L548	08	
2299	$36315 \cdot 2^{549422} - 1$	165398	L251	09	
2300	$621 \cdot 2^{549331} - 1$	165368	L644	08	

rank	description	digits	who	year	comment
2301	$1097 \cdot 2^{549280} - 1$	165353	L503	08	
2302	$231 \cdot 2^{549235} + 1$	165339	p43	05	
2303	$1285 \cdot 2^{549159} - 1$	165317	L268	08	
2304	$11111 \cdot 2^{549034} - 1$	165280	L123	07	
2305	$1547 \cdot 2^{548936} - 1$	165250	L697	09	
2306	$199 \cdot 2^{548533} - 1$	165128	L426	07	
2307	$1935 \cdot 2^{548512} - 1$	165122	L251	08	
2308	$343 \cdot 2^{548383} - 1$	165083	L79	08	
2309	$415 \cdot 2^{548359} - 1$	165076	L548	08	
2310	$627 \cdot 2^{548302} + 1$	165059	L687	09	
2311	$179 \cdot 2^{548291} + 1$	165055	p189	07	
2312	$861 \cdot 2^{548116} + 1$	165003	L712	09	
2313	$2^{548108} - 2^{274054} - 1$	164997	p168	06	
2314	$1429 \cdot 2^{548083} - 1$	164993	L268	09	
2315	$37 \cdot 2^{548012} + 1$	164970	p122	05	
2316	$1125 \cdot 2^{547950} - 1$	164953	L121	09	
2317	$435 \cdot 2^{547893} + 1$	164935	L203	08	
2318	$821 \cdot 2^{547803} + 1$	164909	L656	09	
2319	$458743 \cdot 2^{547791} - 1$	164908	g163	03	
2320	$735 \cdot 2^{547661} - 1$	164866	g172	06	
2321	$1293 \cdot 2^{547638} - 1$	164859	L121	09	
2322	$537801 \cdot 2^{547497} + 1$	164819	g356	06	
2323	$431595 \cdot 2^{547497} + 1$	164819	g356	06	
2324	$143309 \cdot 2^{547497} + 1$	164819	g356	06	
2325	$95309 \cdot 2^{547497} + 1$	164818	g356	06	
2326	$56781 \cdot 2^{547497} + 1$	164818	g356	06	
2327	$595 \cdot 2^{547465} - 1$	164807	L579	08	
2328	$1987 \cdot 2^{547437} - 1$	164799	L566	09	
2329	$239 \cdot 2^{547433} + 1$	164797	L713	09	
2330	$1943 \cdot 2^{547370} - 1$	164779	L555	09	
2331	$1371 \cdot 2^{547287} - 1$	164753	L121	09	
2332	$1695 \cdot 2^{547141} + 1$	164710	g336	06	
2333	$1485 \cdot 2^{547107} + 1$	164699	g405	07	
2334	$1755 \cdot 2^{547056} - 1$	164684	L585	09	
2335	$1453 \cdot 2^{546959} - 1$	164655	L803	09	
2336	$969 \cdot 2^{546938} + 1$	164648	L714	09	
2337	$2945 \cdot 2^{546922} - 1$	164644	L698	09	
2338	$561 \cdot 2^{546613} - 1$	164550	L644	08	
2339	$1493 \cdot 2^{546544} - 1$	164530	L698	09	
2340	$1559 \cdot 2^{546524} - 1$	164524	L701	09	
2341	$217 \cdot 2^{546500} + 1$	164516	p161	08	
2342	$375 \cdot 2^{546458} + 1$	164503	L689	09	
2343	$1737 \cdot 2^{546368} - 1$	164477	L698	09	
2344	$593 \cdot 2^{546309} + 1$	164459	L719	09	
2345	$717 \cdot 2^{546174} - 1$	164418	L548	08	
2346	$213 \cdot 2^{546146} + 1$	164409	p161	08	
2347	$449 \cdot 2^{546076} - 1$	164388	L548	08	
2348	$849 \cdot 2^{546031} - 1$	164375	L548	08	
2349	$837 \cdot 2^{546024} + 1$	164373	L748	09	
2350	$975 \cdot 2^{545986} + 1$	164362	L676	09	

rank	description	digits	who	year	comment
2351	$453 \cdot 2^{545863} - 1$	164324	L548	08	
2352	$1913 \cdot 2^{545806} - 1$	164308	L803	09	
2353	$153 \cdot 2^{545716} - 1$	164280	L91	05	
2354	$507 \cdot 2^{545696} + 1$	164274	L656	09	
2355	$1017 \cdot 2^{545589} - 1$	164242	L503	09	
2356	$1167 \cdot 2^{545551} + 1$	164231	L715	09	
2357	$2985 \cdot 2^{545391} - 1$	164183	L251	09	
2358	$1047 \cdot 2^{545296} + 1$	164154	L661	09	
2359	$737 \cdot 2^{545287} + 1$	164151	L651	09	
2360	$6555 \cdot 2^{545008} - 1$	164068	L892	09	
2361	$347 \cdot 2^{544887} + 1$	164030	L679	09	Divides $GF(544886, 5)$
2362	$337 \cdot 2^{544852} + 1$	164020	L668	09	
2363	$735 \cdot 2^{544725} - 1$	163982	g172	06	
2364	$1259 \cdot 2^{544692} - 1$	163972	L121	09	
2365	$1475 \cdot 2^{544628} - 1$	163953	L698	09	
2366	$5761455 \cdot 2^{544162} - 1$	163816	g393	05	
2367	$1575 \cdot 2^{544152} - 1$	163810	L251	09	
2368	$779 \cdot 2^{544147} + 1$	163808	L710	09	
2369	$1155 \cdot 2^{544104} - 1$	163795	L121	09	
2370	$92235 \cdot 2^{544089} - 1$	163793	L251	09	
2371	$1839 \cdot 2^{543935} - 1$	163745	L617	09	
2372	$246419198025 \cdot 2^{543820} - 1$	163718	L106	06	
2373	$1291 \cdot 2^{543607} - 1$	163646	L121	09	
2374	$19750825 \cdot 2^{543452} + 1$	163603	g121	04	
2375	$1195 \cdot 2^{543465} - 1$	163603	L121	09	
2376	$37785 \cdot 2^{543314} - 1$	163559	L251	09	
2377	$1857 \cdot 2^{543216} - 1$	163528	L468	08	
2378	$343 \cdot 2^{543148} + 1$	163507	L119	09	
2379	$89 \cdot 2^{543049} + 1$	163476	p189	06	
2380	$49 \cdot 2^{542945} - 1$	163445	L217	07	
2381	$1757 \cdot 2^{542894} - 1$	163431	L548	09	
2382	$321 \cdot 2^{542876} + 1$	163425	L670	09	
2383	$1135 \cdot 2^{542831} - 1$	163412	L268	08	
2384	$485 \cdot 2^{542823} + 1$	163409	L651	09	
2385	$615 \cdot 2^{542783} + 1$	163397	L709	09	
2386	$429 \cdot 2^{542500} - 1$	163312	L579	08	
2387	$Phi(3, -96280^{16384})$	163301	f2	05	Generalized unique
2388	$1293 \cdot 2^{542346} - 1$	163266	L121	09	
2389	$99291 \cdot 35840^{35840} - 1$	163234	x37	08	
2390	$459 \cdot 2^{542204} - 1$	163223	L579	08	
2391	$407 \cdot 2^{541955} + 1$	163148	L203	07	
2392	$787 \cdot 2^{541934} + 1$	163142	L651	09	
2393	$1867 \cdot 2^{541921} - 1$	163138	L804	09	
2394	$1217 \cdot 2^{541878} - 1$	163125	L121	09	
2395	$199 \cdot 2^{541753} - 1$	163087	L426	07	
2396	$669 \cdot 2^{541685} + 1$	163067	L656	09	
2397	$933 \cdot 2^{541668} + 1$	163062	L716	09	
2398	$121 \cdot 2^{541621} - 1$	163047	L65	04	
2399	$255255 \cdot 2^{541578} + 1$	163037	L94	06	
2400	$325 \cdot 2^{541569} - 1$	163032	L79	07	

rank	description	digits	who	year	comment
2401	$1983 \cdot 2^{541564} - 1$	163031	L701	09	
2402	$3975 \cdot 2^{541557} - 1$	163029	L323	09	
2403	$1825 \cdot 2^{541409} - 1$	162984	L617	09	
2404	$257 \cdot 2^{541402} - 1$	162981	L145	06	
2405	$91 \cdot 2^{541128} + 1$	162898	p189	06	
2406	$635 \cdot 2^{541112} - 1$	162894	L629	08	
2407	$805 \cdot 2^{541106} + 1$	162893	L689	09	
2408	$1101 \cdot 2^{541091} + 1$	162888	L196	09	
2409	$159503 \cdot 2^{540945} + 1$	162846	g341	04	
2410	$525 \cdot 2^{540866} + 1$	162820	L717	09	
2411	$543 \cdot 2^{540826} + 1$	162808	L754	09	
2412	$201 \cdot 2^{540810} - 1$	162803	L282	07	
2413	$777 \cdot 2^{540606} + 1$	162742	L711	09	
2414	$190468 \cdot 5^{232789} - 1$	162718	p225	08	
2415	$47 \cdot 2^{540494} - 1$	162707	L548	08	
2416	$249 \cdot 2^{540394} + 1$	162678	p227	08	
2417	$66505 \cdot 2^{539824} + 1$	162509	L541	08	
2418	$1131 \cdot 2^{539823} + 1$	162506	L673	09	
2419	$679 \cdot 2^{539605} - 1$	162441	L548	08	
2420	$1665 \cdot 2^{539599} - 1$	162439	L251	09	
2421	$8 \cdot 23^{119215} + 1$	162340	p238	08	
2422	$243 \cdot 2^{539016} - 1$	162263	L442	07	
2423	$67531 \cdot 2^{538755} - 1$	162187	L164	07	
2424	$1905 \cdot 2^{538661} - 1$	162157	L697	09	
2425	$21 \cdot 2^{538657} - 1$	162154	L56	04	
2426	$709 \cdot 2^{538623} - 1$	162145	L548	08	
2427	$1183 \cdot 2^{538558} + 1$	162126	L717	09	
2428	$1491 \cdot 2^{538543} - 1$	162121	L696	09	
2429	$163 \cdot 2^{538318} + 1$	162053	p43	05	
2430	$431 \cdot 2^{538215} + 1$	162022	L203	08	
2431	$95662 \cdot 5^{231787} - 1$	162018	p214	08	
2432	$1029 \cdot 2^{538195} + 1$	162016	L689	09	
2433	$519 \cdot 2^{538118} + 1$	161993	p161	08	
2434	$465 \cdot 2^{538043} - 1$	161970	L198	07	
2435	$2151 \cdot 2^{537994} - 1$	161956	L268	08	
2436	$1843 \cdot 2^{537939} - 1$	161940	L800	09	
2437	$367 \cdot 2^{537553} - 1$	161823	L594	08	
2438	$2235 \cdot 2^{537475} - 1$	161800	L251	09	
2439	$1947 \cdot 2^{537464} - 1$	161797	L701	09	
2440	$1793 \cdot 2^{537448} - 1$	161792	L566	09	
2441	$1353 \cdot 2^{537315} - 1$	161752	L121	09	
2442	$1455 \cdot 2^{537289} - 1$	161744	g405	08	
2443	$36315 \cdot 2^{537266} - 1$	161738	L251	09	
2444	$79 \cdot 2^{537238} + 1$	161727	p189	06	
2445	$729 \cdot 2^{537230} + 1$	161726	p161	08	Generalized Fermat
2446	$3721 \cdot 2^{536916} + 1$	161632	L123	07	Generalized Fermat
2447	$417 \cdot 2^{536876} - 1$	161619	g276	06	
2448	$375 \cdot 2^{536724} - 1$	161573	L617	08	
2449	$129 \cdot 2^{536615} - 1$	161540	L145	07	
2450	$555 \cdot 2^{536460} - 1$	161494	L548	08	

rank	description	digits	who	year	comment
2451	$645 \cdot 2^{536435} + 1$	161486	p161	08	
2452	$1883 \cdot 2^{536160} - 1$	161404	L576	09	
2453	$178657 \cdot 2^{535974} + 1$	161350	p243	09	
2454	$823 \cdot 2^{535955} - 1$	161342	L548	08	
2455	$685281 \cdot 2^{535827} - 1$	161306	L161	06	
2456	$91 \cdot 2^{535819} - 1$	161300	L145	06	
2457	$525 \cdot 2^{535741} - 1$	161277	L79	07	
2458	$423261447984375 \cdot 2^{535700} + 1$	161277	L466	09	
2459	$231 \cdot 2^{535713} - 1$	161269	L87	05	
2460	$789 \cdot 2^{535627} + 1$	161243	p161	08	
2461	$1191 \cdot 2^{535593} + 1$	161233	L656	09	
2462	$957 \cdot 2^{535472} - 1$	161197	L548	08	
2463	$108045 \cdot 2^{535443} - 1$	161190	L466	08	
2464	$1065 \cdot 2^{535328} + 1$	161153	L656	09	
2465	$37510 \cdot 3^{337592} + 1$	161077	p126	06	Generalized Cullen
2466	$1939 \cdot 2^{534973} - 1$	161047	L701	09	
2467	$39 \cdot 2^{534973} + 1$	161045	g267	05	
2468	$101 \cdot 2^{534891} + 1$	161021	p189	07	
2469	$1459 \cdot 2^{534807} - 1$	160997	L701	09	
2470	$1089 \cdot 2^{534806} + 1$	160996	L605	09	Generalized Fermat
2471	$1191 \cdot 2^{534646} - 1$	160948	L121	09	
2472	$97 \cdot 2^{534602} + 1$	160934	p114	05	
2473	$147 \cdot 2^{534558} + 1$	160921	p189	07	
2474	$267253 \cdot 2^{534508} + 1$	160909	p243	09	
2475	$385 \cdot 2^{534324} + 1$	160851	p161	08	
2476	$1757 \cdot 2^{534312} - 1$	160848	L619	09	
2477	$97 \cdot 2^{534310} + 1$	160846	p114	05	
2478	$639 \cdot 2^{534159} - 1$	160801	L579	08	
2479	$978847155 \cdot 2^{533895} - 1$	160728	L58	08	
2480	$1923 \cdot 2^{533876} - 1$	160716	L697	09	
2481	$975 \cdot 2^{533780} + 1$	160687	p161	08	
2482	$1337 \cdot 2^{533416} - 1$	160578	L51	04	
2483	$1371 \cdot 2^{533414} - 1$	160577	L121	09	
2484	$1539 \cdot 2^{533384} - 1$	160568	L566	09	
2485	$1487 \cdot 2^{533256} - 1$	160530	L698	09	
2486	$1575 \cdot 2^{533192} - 1$	160510	L251	09	
2487	$723 \cdot 2^{533086} - 1$	160478	L548	08	
2488	$137 \cdot 2^{533043} + 1$	160465	MC	04	
2489	$1797 \cdot 2^{532962} - 1$	160441	L769	09	
2490	$401143 \cdot 2^{532927} - 1$	160433	g163	03	
2491	$491 \cdot 2^{532821} + 1$	160398	p161	08	
2492	$1375 \cdot 2^{532785} - 1$	160388	L121	09	
2493	$7179 \cdot 2^{532680} - 1$	160357	L541	08	
2494	$8295 \cdot 2^{532615} - 1$	160338	L257	09	
2495	$273 \cdot 2^{532597} + 1$	160331	p161	08	
2496	$1245 \cdot 2^{532493} - 1$	160300	L121	09	
2497	$807 \cdot 2^{532358} + 1$	160259	p161	08	
2498	$1745 \cdot 2^{532306} - 1$	160244	L698	09	
2499	$45652 \cdot 5^{229218} + 1$	160222	p215	07	
2500	$1065 \cdot 2^{532082} - 1$	160176	L121	09	

rank	description	digits	who	year	comment
2501	$1029 \cdot 2^{532036} - 1$	160162	L503	09	
2502	$5655 \cdot 2^{531926} - 1$	160130	L268	08	
2503	$1137 \cdot 2^{531881} - 1$	160116	L503	09	
2504	$2 \cdot 1031^{53111} + 1$	160038	g404	09	Divides $\Phi(1031^{53111}, 2)$
2505	$10^{160016} + 8231328 \cdot 10^{80005} + 1$	160017	D	06	Palindrome
2506	$1033 \cdot 2^{531444} + 1$	159984	L673	09	
2507	$1275 \cdot 2^{531404} - 1$	159972	L121	09	
2508	$199 \cdot 2^{531357} - 1$	159957	L426	07	
2509	$291 \cdot 2^{531347} - 1$	159954	L171	07	
2510	$965 \cdot 2^{531295} + 1$	159939	p161	08	
2511	$1763 \cdot 2^{531284} - 1$	159936	L619	09	
2512	$607 \cdot 2^{530957} - 1$	159837	L543	08	
2513	$5445 \cdot 2^{530923} - 1$	159828	L268	09	
2514	$1995 \cdot 2^{530872} - 1$	159812	L548	09	
2515	$209 \cdot 2^{530729} + 1$	159768	p161	08	
2516	$453 \cdot 2^{530675} - 1$	159752	L543	08	
2517	$1121 \cdot 2^{530551} + 1$	159715	L656	09	
2518	$1101 \cdot 2^{530481} + 1$	159694	L668	09	
2519	$921 \cdot 2^{530480} + 1$	159694	p161	08	
2520	$33448 \cdot 5^{228454} + 1$	159688	p215	07	
2521	$503 \cdot 2^{530429} + 1$	159678	g233	06	
2522	$5775 \cdot 2^{530395} + 1$	159669	p189	07	
2523	$1831 \cdot 2^{530387} - 1$	159666	L555	09	
2524	$105 \cdot 2^{530360} - 1$	159657	L325	07	
2525	$591 \cdot 2^{530223} - 1$	159616	L579	08	
2526	$565 \cdot 2^{530221} - 1$	159616	L579	08	
2527	$145 \cdot 2^{530181} - 1$	159603	L163	06	
2528	$697 \cdot 2^{530150} + 1$	159594	p161	08	
2529	$302627325 \cdot 2^{530101} + 1$	159585	gf	99	
2530	$901 \cdot 2^{530103} - 1$	159580	L579	08	
2531	$7605 \cdot 2^{530086} - 1$	159576	L323	09	
2532	$1121 \cdot 2^{530057} + 1$	159567	L635	09	
2533	$1767 \cdot 2^{530014} - 1$	159554	L701	09	
2534	$675 \cdot 2^{529997} - 1$	159548	L79	07	
2535	$3039469 \cdot 2^{529893} - 1$	159521	L466	08	
2536	$549 \cdot 2^{529887} + 1$	159515	p161	08	
2537	$6975 \cdot 2^{529869} - 1$	159511	L268	09	
2538	$39 \cdot 2^{529642} + 1$	159440	g267	05	
2539	$1765 \cdot 2^{529603} - 1$	159430	L701	09	
2540	$978847155 \cdot 2^{529577} - 1$	159428	L58	08	
2541	$813 \cdot 2^{529552} + 1$	159414	p161	08	
2542	$248360 \cdot 35072^{35072} - 1$	159407	x37	09	
2543	$22932195 \cdot 2^{529462} - 1$	159392	L138	06	
2544	$1185 \cdot 2^{529444} + 1$	159382	L707	09	
2545	$175 \cdot 2^{529417} - 1$	159373	L145	06	
2546	$349 \cdot 2^{529251} - 1$	159323	L79	08	
2547	$435 \cdot 2^{529247} + 1$	159322	L203	08	
2548	$273 \cdot 2^{529094} + 1$	159276	p227	08	
2549	$2995125705 \cdot 2^{529005} - 1$	159256	L87	05	
2550	$2508 \cdot 1959^{48373} + 1$	159249	g261	05	

rank	description	digits	who	year	comment
2551	$9441 \cdot 2^{528999} - 1$	159249	L323	09	
2552	$163 \cdot 2^{528788} + 1$	159184	p43	05	
2553	$79635 \cdot 2^{528729} - 1$	159169	L251	09	
2554	$1683 \cdot 2^{528588} - 1$	159125	L555	09	
2555	$335 \cdot 2^{528439} + 1$	159079	p161	08	
2556	$2445 \cdot 2^{528423} - 1$	159075	L121	09	
2557	$483 \cdot 2^{528297} + 1$	159036	p161	08	Divides $GF(528292, 3)$
2558	$45 \cdot 2^{528245} - 1$	159020	L167	07	
2559	$1963 \cdot 2^{528211} - 1$	159011	L548	09	
2560	$70906^{32768} + 1$	158948	g136	01	Generalized Fermat
2561	$366439\# + 1$	158936	p16	01	Primorial
2562	$1965 \cdot 2^{527912} - 1$	158921	L698	09	
2563	$9615 \cdot 2^{527772} - 1$	158880	L644	09	
2564	$19650919 \cdot 2^{527530} + 1$	158810	p147	04	
2565	$1849 \cdot 2^{527449} - 1$	158782	L566	09	
2566	$615 \cdot 2^{527416} - 1$	158771	L548	08	
2567	$1845 \cdot 2^{527412} - 1$	158771	L18	09	
2568	$7215 \cdot 2^{527378} - 1$	158761	L257	09	
2569	$1695 \cdot 2^{527363} - 1$	158756	L698	09	
2570	$1047 \cdot 2^{527295} + 1$	158735	L705	09	
2571	$1517 \cdot 2^{527274} - 1$	158729	L548	09	
2572	$525 \cdot 2^{527270} - 1$	158727	L79	07	
2573	$1169 \cdot 2^{527225} + 1$	158714	L635	09	
2574	$1143 \cdot 2^{527131} - 1$	158686	L121	09	
2575	$67 \cdot 2^{527037} - 1$	158656	L268	07	
2576	$1887 \cdot 2^{526956} - 1$	158633	L548	09	
2577	$1221 \cdot 2^{526909} - 1$	158619	L121	09	
2578	$757 \cdot 2^{526680} + 1$	158550	p161	08	
2579	$949 \cdot 2^{526586} + 1$	158522	p161	08	
2580	$2941 \cdot 2^{526493} - 1$	158494	L698	09	
2581	$1365 \cdot 2^{526329} - 1$	158444	L121	09	
2582	$1603 \cdot 2^{526319} - 1$	158442	L182	06	
2583	$629 \cdot 2^{526211} + 1$	158409	p161	08	
2584	$1757 \cdot 2^{526146} - 1$	158389	L698	09	
2585	$1383 \cdot 2^{526031} - 1$	158355	L121	09	
2586	$1885 \cdot 2^{525997} - 1$	158345	L555	09	
2587	$345 \cdot 2^{525977} + 1$	158338	g258	07	Divides $GF(525974, 6)$
2588	$1143 \cdot 2^{525912} - 1$	158319	L121	09	
2589	$5445 \cdot 2^{525824} - 1$	158293	L257	09	
2590	$8445 \cdot 2^{525823} - 1$	158293	L644	09	
2591	$9735 \cdot 2^{525696} - 1$	158255	L644	09	
2592	$11 \cdot 2^{525589} + 1$	158220	p116	03	Divides $GF(525588, 6)$
2593	$135 \cdot 2^{525544} - 1$	158207	L171	07	
2594	$2715 \cdot 2^{525530} - 1$	158204	L268	09	
2595	$1497 \cdot 2^{525434} - 1$	158175	L566	09	
2596	$287 \cdot 2^{525378} - 1$	158157	L145	06	
2597	$1185 \cdot 2^{525340} - 1$	158147	L121	09	
2598	$1347 \cdot 2^{525308} - 1$	158137	L121	09	
2599	$79635 \cdot 2^{525065} - 1$	158066	L251	09	
2600	$4035 \cdot 2^{525066} - 1$	158065	L268	08	

rank	description	digits	who	year	comment
2601	$425 \cdot 2^{524997} + 1$	158043	L203	08	
2602	$3234846615 \cdot 2^{524946} - 1$	158035	p113	04	
2603	$401 \cdot 2^{524862} - 1$	158002	L548	08	
2604	$1569 \cdot 2^{524755} - 1$	157971	L566	09	
2605	$7605 \cdot 2^{524632} - 1$	157934	L323	09	
2606	$711 \cdot 2^{524387} - 1$	157860	L548	08	
2607	$423261447984375 \cdot 2^{524273} + 1$	157837	L466	09	
2608	$575600367 \cdot 2^{524288} - 1$	157836	g415	08	
2609	$379482687 \cdot 2^{524288} - 1$	157835	g415	08	
2610	$5226703 \cdot 2^{524288} + 1$	157834	L466	09	
2611	$4988033 \cdot 2^{524288} - 1$	157834	L466	09	
2612	$4797425 \cdot 2^{524288} - 1$	157834	L466	09	
2613	$4795019 \cdot 2^{524288} - 1$	157834	L466	09	
2614	$4636255 \cdot 2^{524288} + 1$	157834	L466	09	
2615	$4444973 \cdot 2^{524288} - 1$	157834	L466	09	
2616	$4380193 \cdot 2^{524288} + 1$	157834	L466	09	
2617	$3905237 \cdot 2^{524288} - 1$	157834	L466	09	
2618	$3780035 \cdot 2^{524288} - 1$	157833	L466	09	
2619	$3525165 \cdot 2^{524288} + 1$	157833	L466	08	
2620	$3459757 \cdot 2^{524288} + 1$	157833	L466	08	
2621	$3278729 \cdot 2^{524288} - 1$	157833	L466	08	
2622	$3085109 \cdot 2^{524288} - 1$	157833	L466	08	
2623	$3077949 \cdot 2^{524288} - 1$	157833	L466	08	
2624	$2646507 \cdot 2^{524288} + 1$	157833	L466	08	
2625	$1862525 \cdot 2^{524288} - 1$	157833	L466	08	
2626	$1557973 \cdot 2^{524288} + 1$	157833	L466	08	
2627	$1359313 \cdot 2^{524288} + 1$	157833	L466	08	
2628	$1292371 \cdot 2^{524288} + 1$	157833	L466	08	
2629	$1267013 \cdot 2^{524288} - 1$	157833	L466	08	
2630	$1204313 \cdot 2^{524288} - 1$	157833	L466	08	
2631	$1109427 \cdot 2^{524288} + 1$	157833	L466	08	
2632	$764017 \cdot 2^{524288} + 1$	157833	L466	08	
2633	$685299 \cdot 2^{524288} - 1$	157833	L466	07	
2634	$677901 \cdot 2^{524288} + 1$	157833	L466	07	
2635	$622867 \cdot 2^{524288} + 1$	157833	L466	07	
2636	$428079 \cdot 2^{524288} - 1$	157833	L466	07	
2637	$422943 \cdot 2^{524288} + 1$	157833	L466	07	
2638	$358245 \cdot 2^{524288} + 1$	157832	L466	07	
2639	$113451 \cdot 2^{524287} + 1$	157832	p152	04	
2640	$1487 \cdot 2^{524264} - 1$	157823	L701	09	
2641	$1339 \cdot 2^{524235} - 1$	157814	L121	09	
2642	$595 \cdot 2^{524229} - 1$	157812	L548	08	
2643	$9435 \cdot 2^{524209} - 1$	157807	L644	09	
2644	$1623 \cdot 2^{524063} - 1$	157762	L566	09	
2645	$567 \cdot 2^{524044} + 1$	157756	p161	08	
2646	$255255 \cdot 2^{523865} + 1$	157705	L94	06	
2647	$1139 \cdot 2^{523728} - 1$	157661	L503	09	
2648	$975 \cdot 2^{523544} + 1$	157606	p161	08	
2649	$15043 \cdot 2^{523519} - 1$	157600	L257	09	
2650	$27183585 \cdot 2^{523451} + 1$	157582	L122	07	

rank	description	digits	who	year	comment
2651	$137 \cdot 2^{523283} + 1$	157527	MC	04	
2652	$405405 \cdot 2^{523129} - 1$	157484	L466	08	
2653	$525 \cdot 2^{523046} + 1$	157456	p161	08	
2654	$515 \cdot 2^{523017} + 1$	157447	p161	08	
2655	$1899 \cdot 2^{522879} - 1$	157406	L701	09	
2656	$555555 \cdot 2^{522870} - 1$	157406	L862	09	
2657	$1089 \cdot 2^{522759} + 1$	157370	L672	09	
2658	$11390625 \cdot 2^{522725} - 1$	157363	L614	09	
2659	$1137 \cdot 2^{522714} + 1$	157356	L689	09	
2660	$691 \cdot 2^{522556} + 1$	157308	p161	08	
2661	$521 \cdot 2^{522422} - 1$	157268	L565	08	
2662	$1639 \cdot 2^{522361} - 1$	157250	L701	09	
2663	$273 \cdot 2^{522287} - 1$	157227	L171	07	
2664	$817 \cdot 2^{522253} - 1$	157217	L548	08	
2665	$465 \cdot 2^{522168} - 1$	157191	L198	07	
2666	$1005 \cdot 2^{522070} + 1$	157162	L717	09	
2667	$5445 \cdot 2^{522059} - 1$	157160	L257	09	
2668	$769217 \cdot 2^{522002} - 1$	157145	p90	07	
2669	$338271 \cdot 2^{522002} - 1$	157144	p90	07	
2670	$268311 \cdot 2^{522002} - 1$	157144	p90	07	
2671	$25447 \cdot 2^{522002} + 1$	157143	p90	06	
2672	$21735 \cdot 2^{522002} - 1$	157143	p90	07	
2673	$3975 \cdot 2^{522004} + 1$	157143	p90	06	
2674	$63 \cdot 2^{521925} + 1$	157117	p161	07	
2675	$1349 \cdot 2^{521900} - 1$	157111	L121	09	
2676	$955 \cdot 2^{521891} - 1$	157108	L548	08	
2677	$98682705 \cdot 2^{521820} - 1$	157092	L545	08	
2678	$326962 \cdot 5^{224737} - 1$	157090	p225	07	
2679	$913 \cdot 2^{521804} + 1$	157082	p161	08	
2680	$7215 \cdot 2^{521696} - 1$	157051	L268	09	
2681	$425 \cdot 2^{521696} - 1$	157049	L585	08	
2682	$1785 \cdot 2^{521690} - 1$	157048	L701	09	
2683	$927 \cdot 2^{521468} + 1$	156981	p161	08	
2684	$13 \cdot 2^{521306} + 1$	156930	g267	03	
2685	$1001 \cdot 2^{521137} + 1$	156881	L702	09	
2686	$749 \cdot 2^{521099} + 1$	156870	p161	08	
2687	$123 \cdot 2^{521031} - 1$	156849	L91	05	
2688	$21102003 \cdot 2^{520908} - 1$	156817	L458	07	
2689	$111 \cdot 2^{520923} - 1$	156816	L91	05	
2690	$809 \cdot 2^{520875} + 1$	156802	p161	08	
2691	$561 \cdot 2^{520850} - 1$	156795	L615	08	
2692	$92278 \cdot 50^{92278} + 1$	156783	g157	08	Generalized Cullen
2693	$7245 \cdot 2^{520742} - 1$	156763	L268	09	
2694	$201 \cdot 2^{520586} - 1$	156715	L282	07	
2695	$895 \cdot 2^{520479} - 1$	156683	L615	08	
2696	$1575 \cdot 2^{520302} - 1$	156630	L251	09	
2697	$715 \cdot 2^{520195} - 1$	156598	L615	08	
2698	$763094475 \cdot 2^{520160} - 1$	156593	L545	08	
2699	$731 \cdot 2^{520155} + 1$	156586	p161	08	
2700	$133138 \cdot 5^{224013} - 1$	156584	p225	07	

rank	description	digits	who	year	comment
2701	$1117 \cdot 2^{520148} + 1$	156584	g241	06	
2702	$237881 \cdot 2^{520025} + 1$	156549	g167	03	
2703	$1575 \cdot 2^{520003} - 1$	156540	L251	09	
2704	$991 \cdot 2^{519993} - 1$	156537	L548	08	
2705	$405405 \cdot 2^{519961} - 1$	156530	L466	08	
2706	$847 \cdot 2^{519964} + 1$	156528	L153	08	
2707	$57 \cdot 2^{519892} + 1$	156505	p152	07	
2708	$1287 \cdot 2^{519884} + 1$	156504	p161	08	
2709	$57 \cdot 2^{519862} + 1$	156496	p152	07	
2710	$2295 \cdot 2^{519749} - 1$	156464	L121	09	
2711	$313 \cdot 2^{519748} + 1$	156463	L153	08	
2712	$37785 \cdot 2^{519716} - 1$	156455	L251	09	
2713	$17861 \cdot 2^{519674} - 1$	156442	L536	09	
2714	$657 \cdot 2^{519647} + 1$	156433	p161	08	
2715	$1335 \cdot 2^{519561} + 1$	156407	p161	08	
2716	$685 \cdot 2^{519476} + 1$	156381	p161	08	
2717	$353 \cdot 2^{519312} - 1$	156332	L576	08	
2718	$1879 \cdot 2^{519269} - 1$	156319	L555	09	
2719	$1449 \cdot 2^{519251} - 1$	156314	L566	09	
2720	$1431 \cdot 2^{519174} - 1$	156291	L698	09	
2721	$1875 \cdot 2^{519075} - 1$	156261	L566	09	
2722	$1103 \cdot 2^{519041} + 1$	156250	p161	08	
2723	$1195 \cdot 2^{518997} - 1$	156237	L121	09	
2724	$789 \cdot 2^{518911} - 1$	156211	L548	08	
2725	$243 \cdot 2^{518736} - 1$	156158	L442	07	
2726	$847 \cdot 2^{518645} - 1$	156131	L548	08	
2727	$123 \cdot 2^{518540} - 1$	156099	L91	05	
2728	$301 \cdot 2^{517960} + 1$	155924	L153	07	
2729	$1981 \cdot 2^{517893} - 1$	155905	L701	09	
2730	$5355 \cdot 2^{517558} - 1$	155805	L426	09	
2731	[Long prime 2731]	155792	p168	09	
2732	$233 \cdot 2^{517373} + 1$	155748	p227	08	
2733	$8325 \cdot 2^{517351} - 1$	155743	L644	09	
2734	$92235 \cdot 2^{517249} - 1$	155713	L251	09	
2735	$293 \cdot 2^{517242} - 1$	155708	L145	06	
2736	$5761455 \cdot 2^{517136} - 1$	155681	g393	05	
2737	$1839 \cdot 2^{516995} - 1$	155635	L698	09	
2738	$819 \cdot 2^{516883} - 1$	155601	L548	08	
2739	$793 \cdot 2^{516715} - 1$	155550	L548	08	
2740	$555 \cdot 2^{516529} - 1$	155494	L548	08	
2741	$721 \cdot 2^{516520} + 1$	155491	p161	08	
2742	$37995 \cdot 2^{516463} - 1$	155476	L251	09	
2743	$123 \cdot 2^{516456} - 1$	155471	L91	05	
2744	$405 \cdot 2^{516432} - 1$	155465	L282	07	
2745	$1093 \cdot 2^{516406} + 1$	155457	p161	08	
2746	$561 \cdot 2^{516347} + 1$	155439	L153	08	
2747	$595 \cdot 2^{516324} + 1$	155432	L153	08	
2748	$83660 \cdot 72^{83660} - 1$	155390	g265	03	Generalized Woodall
2749	$1581823815 \cdot 2^{516152} - 1$	155387	L83	05	
2750	$507 \cdot 2^{516086} + 1$	155361	L153	08	

rank	description	digits	who	year	comment
2751	$231 \cdot 2^{516048} + 1$	155349	p43	05	
2752	$986963835 \cdot 2^{516018} + 1$	155346	g368	05	
2753	$1239 \cdot 2^{515961} - 1$	155323	L121	09	
2754	$71 \cdot 2^{515885} + 1$	155299	p152	07	
2755	$287 \cdot 2^{515827} + 1$	155282	p227	08	
2756	$573 \cdot 2^{515815} - 1$	155279	L543	08	
2757	$945 \cdot 2^{515762} - 1$	155263	L576	08	
2758	$561 \cdot 2^{515702} - 1$	155245	L548	08	
2759	$1235 \cdot 2^{515675} + 1$	155237	p161	08	
2760	$501 \cdot 2^{515543} + 1$	155197	L153	07	
2761	$736320585 \cdot 2^{515431} - 1$	155170	L183	07	
2762	$1085 \cdot 2^{515381} + 1$	155149	p161	08	
2763	$1925 \cdot 2^{515298} - 1$	155124	L555	09	
2764	$5775 \cdot 2^{515218} + 1$	155100	p189	07	
2765	$8475 \cdot 2^{515071} - 1$	155056	L644	09	
2766	$759007755 \cdot 2^{514971} - 1$	155031	L545	08	
2767	$1921 \cdot 2^{514969} - 1$	155025	L548	09	
2768	$755 \cdot 2^{514952} - 1$	155019	L585	08	
2769	$159 \cdot 2^{514927} + 1$	155011	p43	05	
2770	$987 \cdot 2^{514910} + 1$	155007	p161	08	
2771	$375 \cdot 2^{514874} - 1$	154996	L620	08	
2772	$1849 \cdot 2^{514843} - 1$	154987	L548	09	
2773	$8685 \cdot 2^{514658} - 1$	154932	L644	09	
2774	$92235 \cdot 2^{514653} - 1$	154931	L251	09	
2775	$517 \cdot 2^{514430} + 1$	154862	L153	08	
2776	$471 \cdot 2^{514399} - 1$	154853	L548	08	
2777	$895 \cdot 2^{514336} + 1$	154834	p161	08	
2778	$2554711 \cdot 2^{514229} - 1$	154805	L466	09	
2779	$2548237 \cdot 2^{514229} - 1$	154805	L466	09	
2780	$2302315 \cdot 2^{514229} - 1$	154805	L466	09	
2781	$1452459 \cdot 2^{514229} - 1$	154805	L466	08	
2782	$926197 \cdot 2^{514229} - 1$	154805	L466	08	
2783	$834961 \cdot 2^{514229} - 1$	154805	L466	08	
2784	$131831 \cdot 2^{514229} + 1$	154804	L466	08	
2785	$103939 \cdot 2^{514229} - 1$	154804	L466	07	
2786	$14161 \cdot 2^{514229} - 1$	154803	L466	07	
2787	$3681 \cdot 2^{514229} - 1$	154802	L466	07	
2788	$165452 \cdot 5^{221446} - 1$	154790	p225	07	
2789	$2153 \cdot 2^{514076} - 1$	154756	L268	08	
2790	$1281 \cdot 2^{514045} + 1$	154747	p161	08	
2791	$321 \cdot 2^{514041} - 1$	154745	L79	07	
2792	$913 \cdot 2^{514008} + 1$	154735	L153	08	
2793	$789 \cdot 2^{513943} - 1$	154716	L548	08	
2794	$1365 \cdot 2^{513913} - 1$	154707	L121	09	
2795	$375 \cdot 2^{513834} - 1$	154683	L576	08	
2796	$16175 \cdot 2^{513645} + 1$	154627	L541	08	
2797	$281065 \cdot 2^{513505} - 1$	154586	L80	05	
2798	$581 \cdot 2^{513506} - 1$	154584	L548	08	
2799	$1125 \cdot 2^{513375} - 1$	154545	L503	09	
2800	$637 \cdot 2^{513284} + 1$	154517	L153	08	

rank	description	digits	who	year	comment
2801	$393 \cdot 2^{513153} + 1$	154478	p227	08	
2802	$831 \cdot 2^{513082} - 1$	154456	L548	08	
2803	$121 \cdot 2^{513020} + 1$	154437	p189	07	Generalized Fermat Divides $GF(512994, 5)$, $GF(512995, 6)$
2804	$39 \cdot 2^{512997} + 1$	154430	g267	05	
2805	$10001 \cdot 2^{512918} - 1$	154408	p249	09	
2806	$795 \cdot 2^{512914} + 1$	154406	p161	08	
2807	$13236795 \cdot 2^{512891} - 1$	154403	L695	09	
2808	$65537 \cdot 2^{512895} + 1$	154402	g361	06	
2809	$717 \cdot 2^{512802} + 1$	154372	p161	08	
2810	$71 \cdot 2^{512745} + 1$	154354	p152	07	
2811	$4275 \cdot 2^{512439} - 1$	154264	L268	08	
2812	$70013 \cdot 2^{512206} - 1$	154195	g276	05	
2813	$571 \cdot 2^{512192} + 1$	154188	L153	08	
2814	$451 \cdot 2^{512076} + 1$	154153	L153	08	
2815	$1791 \cdot 2^{511967} - 1$	154121	L548	09	
2816	$875 \cdot 2^{511928} - 1$	154109	L548	08	
2817	$692835 \cdot 2^{511792} - 1$	154071	L138	05	
2818	$507 \cdot 2^{511794} - 1$	154069	L548	08	
2819	$78795 \cdot 2^{511766} - 1$	154062	L251	09	
2820	$1995 \cdot 2^{511752} - 1$	154057	L701	09	
2821	$66825 \cdot 2^{511745} - 1$	154056	L251	09	
2822	$1917 \cdot 2^{511741} - 1$	154053	L548	09	
2823	$41 \cdot 2^{511718} - 1$	154045	L290	07	
2824	$1493 \cdot 2^{511680} - 1$	154035	L701	09	
2825	$1629 \cdot 2^{511617} - 1$	154016	L548	09	
2826	$1371 \cdot 2^{511587} - 1$	154007	L121	09	
2827	$121125181 \cdot 2^{511347} - 1$	153939	p92	05	
2828	$117 \cdot 2^{511361} - 1$	153938	L171	07	
2829	$453 \cdot 2^{511288} + 1$	153916	L153	08	
2830	$13131 \cdot 2^{511111} - 1$	153864	L123	05	
2831	$5865 \cdot 2^{511085} - 1$	153856	L268	09	
2832	$1307 \cdot 2^{511011} + 1$	153833	L409	07	
2833	$197 \cdot 2^{510940} - 1$	153811	L167	07	
2834	$1429 \cdot 2^{510882} + 1$	153794	p161	08	
2835	$357 \cdot 2^{510812} - 1$	153773	g276	06	
2836	$1779 \cdot 2^{510784} - 1$	153765	L698	09	
2837	$39 \cdot 2^{510595} + 1$	153707	g267	05	
2838	$243 \cdot 2^{510491} - 1$	153676	L442	07	
2839	$67\# \cdot 2^{510386} + 1$	153667	L466	09	
2840	$1835 \cdot 2^{510400} - 1$	153649	L701	09	
2841	$53625 \cdot 2^{510237} - 1$	153602	L251	09	
2842	$1191 \cdot 2^{510146} - 1$	153573	L121	09	
2843	$64059 \cdot 2^{510101} + 1$	153561	gt	01	
2844	$1121 \cdot 2^{510085} + 1$	153554	p161	08	
2845	$1333 \cdot 2^{510067} - 1$	153549	L121	09	
2846	$487 \cdot 2^{509982} + 1$	153523	L153	08	
2847	$527 \cdot 2^{509836} - 1$	153479	L543	08	
2848	$147 \cdot 2^{509831} + 1$	153477	p189	07	
2849	$165 \cdot 2^{509812} + 1$	153471	L679	09	

rank	description	digits	who	year	comment
2850	$423 \cdot 2^{509720} + 1$	153444	L203	08	
2851	$1499 \cdot 2^{509708} - 1$	153441	L698	09	
2852	$92235 \cdot 2^{509665} - 1$	153430	L251	09	
2853	$289 \cdot 2^{509401} - 1$	153348	L6	05	
2854	$573 \cdot 2^{509312} - 1$	153321	L548	08	
2855	$651 \cdot 2^{509299} + 1$	153318	p161	08	
2856	$639 \cdot 2^{509058} + 1$	153245	L153	08	
2857	$1595 \cdot 2^{509046} - 1$	153242	L698	09	
2858	$5655 \cdot 2^{508993} - 1$	153226	L268	08	
2859	$19911001 \cdot 2^{508852} + 1$	153188	g369	05	
2860	$3001 \cdot 2^{508783} - 1$	153163	L615	09	
2861	$1127 \cdot 2^{508314} - 1$	153021	L503	09	
2862	$853 \cdot 2^{508240} + 1$	152999	p161	08	
2863	$11347 \cdot 2^{508209} - 1$	152991	L257	09	
2864	$97305 \cdot 2^{508188} - 1$	152985	L251	09	
2865	$1221 \cdot 2^{508190} - 1$	152984	L121	09	
2866	$8295 \cdot 2^{508161} - 1$	152976	L268	09	
2867	$659 \cdot 2^{508117} + 1$	152962	p161	08	
2868	$1431 \cdot 2^{508097} - 1$	152956	L548	09	
2869	$313 \cdot 2^{508091} - 1$	152954	L79	07	
2870	$2699 \cdot 2^{507972} - 1$	152919	L251	08	
2871	$(2^{253987} - 1)^2 - 2$	152916	p89	07	
2872	$5955 \cdot 2^{507890} - 1$	152894	L268	08	
2873	$1431 \cdot 2^{507867} + 1$	152887	p161	08	
2874	$207 \cdot 2^{507833} - 1$	152876	L330	07	
2875	$179 \cdot 2^{507816} - 1$	152871	L145	06	
2876	$829 \cdot 2^{507641} - 1$	152819	L548	08	
2877	$5481 \cdot 2^{507634} - 1$	152817	L251	09	
2878	$125 \cdot 2^{507637} + 1$	152817	p189	07	
2879	$2 \cdot 191^{66971} + 1$	152764	g404	06	Divides $\Phi(191^{66971}, 2)$
2880	$1385 \cdot 2^{507368} - 1$	152737	L121	09	
2881	$253 \cdot 2^{507316} + 1$	152720	p227	08	
2882	$1563 \cdot 2^{507144} - 1$	152669	L555	09	
2883	$43541 \cdot 2^{507098} - 1$	152657	g23	00	
2884	$1623 \cdot 2^{507088} - 1$	152652	L548	09	
2885	$74528 \cdot 5^{218272} - 1$	152571	p188	06	
2886	$497 \cdot 2^{506812} - 1$	152569	L548	08	
2887	$39547695 \cdot 2^{506636} - 1$	152521	L277	08	
2888	$1635 \cdot 2^{506471} - 1$	152467	L701	09	
2889	$56271 \cdot 2^{506439} + 1$	152459	p243	09	Generalized Cullen
2890	$417 \cdot 2^{506332} + 1$	152424	L203	07	
2891	$1131 \cdot 2^{506286} - 1$	152411	L503	09	
2892	$17295 \cdot 2^{506161} - 1$	152374	L860	09	
2893	$1085 \cdot 2^{506117} + 1$	152360	p161	08	
2894	$519 \cdot 2^{506051} - 1$	152340	L576	08	
2895	$1815 \cdot 2^{505975} - 1$	152317	L251	09	
2896	$1505 \cdot 2^{505720} - 1$	152241	L548	09	
2897	$395 \cdot 2^{505679} + 1$	152228	p227	08	
2898	$1905 \cdot 2^{505618} - 1$	152210	L698	09	
2899	$1263 \cdot 2^{505568} + 1$	152195	p161	08	

rank	description	digits	who	year	comment
2900	$1447 \cdot 2^{505453} - 1$	152160	L698	09	
2901	$1995 \cdot 2^{505437} - 1$	152155	L566	09	
2902	$827 \cdot 2^{505402} - 1$	152145	L576	08	
2903	$741 \cdot 2^{505381} - 1$	152138	L565	08	
2904	$1441 \cdot 2^{505295} - 1$	152113	L548	09	
2905	$955 \cdot 2^{505151} - 1$	152069	L565	08	
2906	$19725 \cdot 2^{505100} + 1$	152055	L541	08	
2907	$507 \cdot 2^{505096} - 1$	152052	L565	08	
2908	$1224255 \cdot 2^{505050} - 1$	152042	L434	07	
2909	$1208955 \cdot 2^{505050} - 1$	152042	L434	07	
2910	$817263 \cdot 2^{505050} - 1$	152042	L434	07	
2911	$247005 \cdot 2^{505050} - 1$	152041	L434	07	
2912	$225507 \cdot 2^{505050} - 1$	152041	L434	07	
2913	$477945 \cdot 2^{505001} + 1$	152027	g258	08	
2914	$395 \cdot 2^{505000} - 1$	152023	L56	05	
2915	$2607 \cdot 2^{504959} + 1$	152012	g61	04	
2916	$600921 \cdot 2^{504799} + 1$	151966	g337	04	
2917	$611 \cdot 2^{504751} + 1$	151948	L153	08	
2918	$469 \cdot 2^{504610} + 1$	151906	L153	08	
2919	$3389 \cdot 2^{504584} - 1$	151899	L251	08	
2920	$1689 \cdot 2^{504505} - 1$	151875	L548	09	
2921	$1153 \cdot 2^{504495} - 1$	151872	L503	09	
2922	$1069 \cdot 2^{504441} - 1$	151855	L503	08	
2923	$899 \cdot 2^{504372} - 1$	151835	L548	08	
2924	$999 \cdot 2^{504311} - 1$	151816	L543	08	
2925	$611 \cdot 2^{504137} + 1$	151764	L153	08	
2926	$507 \cdot 2^{504116} + 1$	151757	L153	08	
2927	$597 \cdot 2^{504106} - 1$	151754	L548	08	
2928	$863 \cdot 2^{504085} + 1$	151748	p161	08	
2929	$2177 \cdot 2^{503892} - 1$	151690	L268	08	
2930	$923 \cdot 2^{503892} - 1$	151690	L548	08	
2931	$9 \cdot 2^{503893} - 1$	151688	L38	04	
2932	$1047 \cdot 2^{503708} - 1$	151635	L503	08	
2933	$829 \cdot 2^{503691} - 1$	151630	L585	08	
2934	$1125 \cdot 2^{503666} - 1$	151622	L503	09	
2935	$69 \cdot 2^{503641} + 1$	151613	p114	02	
2936	$1503 \cdot 2^{503589} + 1$	151599	p161	08	
2937	$1465 \cdot 2^{503551} - 1$	151588	L268	09	
2938	$411 \cdot 2^{503501} - 1$	151572	L548	08	
2939	$37850187375 \cdot 2^{503473} - 1$	151572	L257	08	
2940	$44312 \cdot 5^{216837} + 1$	151568	p215	07	
2941	$89 \cdot 2^{503479} + 1$	151565	p189	06	
2942	$102765 \cdot 2^{503386} - 1$	151540	L644	09	
2943	$2547 \cdot 2^{503218} - 1$	151488	L323	09	
2944	$1665 \cdot 2^{502987} + 1$	151418	L834	09	
2945	$2377 \cdot 28^{104621} + 1$	151407	p253	09	
2946	$1503 \cdot 2^{502848} - 1$	151376	L701	09	
2947	$964387 \cdot 2^{502793} - 1$	151362	g396	05	
2948	$4401 \cdot 2^{502789} + 1$	151359	L834	09	
2949	$6797 \cdot 2^{502783} + 1$	151357	L834	09	

rank	description	digits	who	year	comment
2950	$4935 \cdot 2^{502717} + 1$	151337	L834	09	
2951	$175 \cdot 2^{502646} + 1$	151314	p189	07	
2952	$4965 \cdot 2^{502617} + 1$	151307	L834	09	
2953	$9015 \cdot 2^{502610} + 1$	151305	L834	09	
2954	$9343 \cdot 2^{502576} + 1$	151295	L834	09	
2955	$6557 \cdot 2^{502507} + 1$	151274	L834	09	
2956	$745 \cdot 2^{502499} - 1$	151271	L548	08	
2957	$4619 \cdot 2^{502495} + 1$	151270	L834	09	
2958	$1009 \cdot 2^{502463} - 1$	151260	L268	08	
2959	$7665 \cdot 2^{502400} + 1$	151242	L834	09	
2960	$2415 \cdot 2^{502357} + 1$	151228	L834	09	
2961	$3707 \cdot 2^{502343} + 1$	151224	L834	09	
2962	$8491 \cdot 2^{502336} + 1$	151223	L834	09	
2963	$8283 \cdot 2^{502329} + 1$	151221	L834	09	
2964	$9333 \cdot 2^{502313} + 1$	151216	L834	09	
2965	$5379 \cdot 2^{502271} + 1$	151203	L834	09	
2966	$1587 \cdot 2^{502255} + 1$	151198	L834	09	
2967	$2669 \cdot 2^{502187} + 1$	151177	L834	09	
2968	$833 \cdot 2^{502165} + 1$	151170	g267	08	
2969	$6461 \cdot 2^{502087} + 1$	151148	L834	09	
2970	$5739 \cdot 2^{502030} + 1$	151130	L834	09	
2971	$3985 \cdot 2^{502012} + 1$	151125	L834	09	
2972	$289 \cdot 2^{501991} - 1$	151117	L6	05	
2973	$1005 \cdot 2^{501968} + 1$	151111	p227	08	
2974	$1347 \cdot 2^{501937} - 1$	151102	L121	09	
2975	$883 \cdot 2^{501779} - 1$	151054	g219	07	
2976	$295 \cdot 2^{501770} + 1$	151051	p161	08	
2977	$519 \cdot 2^{501728} - 1$	151038	L548	08	
2978	$9441 \cdot 2^{501654} - 1$	151017	L121	09	
2979	$3589 \cdot 2^{501586} + 1$	150996	L707	09	
2980	$451 \cdot 2^{501525} - 1$	150977	L548	08	
2981	$9915 \cdot 2^{501404} + 1$	150942	L635	09	
2982	$1551 \cdot 2^{501404} + 1$	150941	L669	09	
2983	$7329 \cdot 2^{501391} + 1$	150938	L805	09	
2984	$5409 \cdot 2^{501343} + 1$	150924	L693	09	
2985	$9521 \cdot 2^{501253} + 1$	150897	L693	09	
2986	$37785 \cdot 2^{501239} - 1$	150893	L251	09	
2987	$99999999321741 \cdot 2^{501205} + 1$	150892	L430	07	
2988	$9071 \cdot 2^{501235} + 1$	150891	L693	09	
2989	$49 \cdot 2^{501238} + 1$	150890	g402	06	Generalized Fermat
2990	$9367 \cdot 2^{501200} + 1$	150881	L635	09	
2991	$1357 \cdot 2^{501165} - 1$	150869	L121	09	
2992	$1993 \cdot 2^{501120} + 1$	150856	L829	09	
2993	$177 \cdot 2^{501106} + 1$	150851	g226	05	
2994	$4217 \cdot 2^{501099} + 1$	150850	L669	09	
2995	$3689 \cdot 2^{501089} + 1$	150847	L805	09	
2996	$749 \cdot 2^{501083} + 1$	150844	p161	08	
2997	$8965 \cdot 2^{501030} + 1$	150830	L635	09	
2998	$1995 \cdot 2^{500936} + 1$	150801	p219	09	
2999	$5729 \cdot 2^{500925} + 1$	150798	L635	09	

rank	description	digits	who	year	comment
3000	$1287 \cdot 2^{500908} - 1$	150792	L121	09	
3001	$2459 \cdot 2^{500905} + 1$	150791	p219	09	
3002	$1497 \cdot 2^{500894} - 1$	150788	L698	09	
3003	$3559 \cdot 2^{500850} + 1$	150775	p219	09	
3004	$4487 \cdot 2^{500775} + 1$	150752	p219	09	
3005	$9105 \cdot 2^{500713} - 1$	150734	L251	09	
3006	$635 \cdot 2^{500689} + 1$	150726	L153	08	
3007	$9505 \cdot 2^{500668} + 1$	150721	L635	09	
3008	$3107 \cdot 2^{500623} + 1$	150707	p219	09	
3009	$1581823815 \cdot 2^{500591} - 1$	150703	L83	05	
3010	$1193 \cdot 2^{500589} + 1$	150696	p161	08	
3011	$604189 \cdot 2^{500578} + 1$	150695	g118	04	
3012	$3975 \cdot 2^{500545} + 1$	150683	p219	09	
3013	$2325 \cdot 2^{500521} + 1$	150676	p219	09	
3014	$8231 \cdot 2^{500495} + 1$	150668	L669	09	
3015	$2949 \cdot 2^{500481} - 1$	150664	L698	09	
3016	$1431 \cdot 2^{500443} - 1$	150652	L698	09	
3017	$4833 \cdot 2^{500436} + 1$	150650	L690	09	
3018	$545 \cdot 2^{500398} - 1$	150638	L548	08	
3019	$4437 \cdot 2^{500348} + 1$	150624	L635	09	
3020	$1095 \cdot 2^{500331} + 1$	150618	p161	08	
3021	$3709 \cdot 2^{500318} + 1$	150615	p219	09	
3022	$2305 \cdot 2^{500310} + 1$	150612	p219	09	
3023	$7949 \cdot 2^{500303} + 1$	150611	L635	09	
3024	$5475 \cdot 2^{500263} + 1$	150598	L635	09	
3025	$2823 \cdot 2^{500090} + 1$	150546	p219	09	
3026	$6109 \cdot 2^{500082} + 1$	150544	L805	09	
3027	$4425 \cdot 2^{500070} + 1$	150540	L690	09	
3028	$9281 \cdot 2^{500053} + 1$	150535	L669	09	
3029	$9615 \cdot 2^{500034} - 1$	150530	L644	09	
3030	$211395 \cdot 2^{500025} - 1$	150528	L402	07	
3031	$4468523 \cdot 2^{500000} - 1$	150522	L81	06	
3032	$3868043 \cdot 2^{500000} - 1$	150522	L81	06	
3033	$3809145 \cdot 2^{500000} - 1$	150522	L81	06	
3034	$3404927 \cdot 2^{500000} - 1$	150522	L81	06	
3035	$2500725 \cdot 2^{500000} - 1$	150522	L81	06	
3036	$1972625 \cdot 2^{500000} - 1$	150522	L81	06	
3037	$1627497 \cdot 2^{500000} - 1$	150522	L81	06	
3038	$1035779 \cdot 2^{500000} - 1$	150522	L81	06	
3039	$995547 \cdot 2^{500000} - 1$	150521	L81	06	
3040	$367899 \cdot 2^{500000} - 1$	150521	L81	06	
3041	$14933 \cdot 2^{500001} + 1$	150520	g305	04	
3042	$9507 \cdot 2^{499952} + 1$	150505	L834	09	
3043	$2089 \cdot 2^{499951} - 1$	150504	L261	07	
3044	$135 \cdot 2^{499948} + 1$	150502	g354	05	
3045	$8577 \cdot 2^{499939} + 1$	150501	L834	09	
3046	$7987 \cdot 2^{499910} + 1$	150492	L834	09	
3047	$5787 \cdot 2^{499908} + 1$	150492	L834	09	
3048	$8611 \cdot 2^{499820} + 1$	150465	L834	09	
3049	$7347 \cdot 2^{499794} + 1$	150457	L834	09	

rank	description	digits	who	year	comment
3050	$6283 \cdot 2^{499750} + 1$	150444	L834	09	
3051	$9885 \cdot 2^{499676} + 1$	150422	L834	09	
3052	$429 \cdot 2^{499671} - 1$	150419	L617	08	
3053	$439 \cdot 2^{499662} + 1$	150416	L153	07	
3054	$3627 \cdot 2^{499636} + 1$	150409	L834	09	
3055	$399 \cdot 2^{499635} + 1$	150408	L153	08	
3056	$5727 \cdot 2^{499624} + 1$	150406	L834	09	
3057	$1975 \cdot 2^{499588} + 1$	150395	L834	09	
3058	$405405 \cdot 2^{499569} - 1$	150391	L466	08	
3059	$4407 \cdot 2^{499567} + 1$	150389	L834	09	
3060	$1365 \cdot 2^{499547} + 1$	150382	L834	09	
3061	$5775 \cdot 2^{499522} + 1$	150375	p189	07	
3062	$8855 \cdot 2^{499501} + 1$	150369	L834	09	
3063	$5095 \cdot 2^{499448} + 1$	150353	L834	09	
3064	$6069 \cdot 2^{499445} + 1$	150352	L834	09	
3065	$407 \cdot 2^{499431} + 1$	150347	L203	07	
3066	$5849 \cdot 2^{499425} + 1$	150346	L834	09	
3067	$73 \cdot 2^{499391} - 1$	150334	L145	06	
3068	$9933 \cdot 2^{499349} + 1$	150324	L834	09	
3069	$1887 \cdot 2^{499338} - 1$	150319	L555	09	
3070	$4719 \cdot 2^{499314} + 1$	150313	L834	09	
3071	$2613 \cdot 2^{499280} + 1$	150302	L834	09	
3072	$6693 \cdot 2^{499265} + 1$	150298	L834	09	
3073	$5097 \cdot 2^{499260} + 1$	150296	L834	09	
3074	$3705 \cdot 2^{499255} + 1$	150295	L834	09	
3075	$61 \cdot 2^{499175} - 1$	150269	L290	07	
3076	$2995125705 \cdot 2^{499082} - 1$	150249	L72	05	
3077	$2097 \cdot 2^{499086} + 1$	150244	L834	09	
3078	$9007 \cdot 2^{499038} + 1$	150230	L834	09	
3079	$9735 \cdot 2^{499021} - 1$	150225	L644	09	
3080	$231 \cdot 2^{498961} - 1$	150205	L87	05	
3081	$3 \cdot 346369\# + 1$	150198	p16	02	
3082	$1885 \cdot 2^{498607} - 1$	150099	L769	09	
3083	$471 \cdot 2^{498476} + 1$	150059	L153	07	
3084	$19580625 \cdot 2^{498383} - 1$	150036	L71	07	
3085	$429 \cdot 2^{498391} + 1$	150034	L153	07	
3086	$871 \cdot 2^{498385} - 1$	150032	L548	08	
3087	$2 \cdot 431^{56947} + 1$	150026	g404	07	Divides $\Phi(431^{56947}, 2)$
3088	$10^{150008} + 4798974 \cdot 10^{75001} + 1$	150009	D	06	Palindrome
3089	$763094475 \cdot 2^{498281} - 1$	150007	L545	08	
3090	$10^{150006} + 7426247 \cdot 10^{75000} + 1$	150007	p5	05	Palindrome
3091	$315 \cdot 2^{498239} + 1$	149988	L635	08	
3092	$1393 \cdot 2^{498147} - 1$	149961	L121	09	
3093	$63405 \cdot 2^{498116} + 1$	149953	L541	08	
3094	$144643 \cdot 2^{498079} - 1$	149942	g173	00	
3095	$1059 \cdot 2^{498005} + 1$	149918	L675	09	
3096	$5221 \cdot 2^{497996} + 1$	149916	L834	09	
3097	$1413 \cdot 2^{497929} + 1$	149895	L834	09	
3098	$187 \cdot 2^{497926} + 1$	149893	L693	09	
3099	$803 \cdot 2^{497908} - 1$	149889	L548	08	

rank	description	digits	who	year	comment
3100	$(2^{248949} - 1)^2 - 2$	149883	p191	06	
3101	$8747 \cdot 2^{497863} + 1$	149876	L834	09	
3102	$1403 \cdot 2^{497854} - 1$	149873	L698	09	
3103	$939 \cdot 2^{497824} - 1$	149863	L548	08	
3104	$6779 \cdot 2^{497789} + 1$	149854	L834	09	
3105	$6903 \cdot 2^{497782} + 1$	149852	L834	09	
3106	$2475 \cdot 2^{497777} + 1$	149850	L834	09	
3107	$2 \cdot 1931^{45605} + 1$	149849	g404	07	Divides $\Phi(1931^{45605}, 2)$
3108	$2965 \cdot 2^{497764} + 1$	149846	L834	09	
3109	$1595 \cdot 2^{497756} - 1$	149843	L701	09	
3110	$1131 \cdot 2^{497745} + 1$	149840	L672	09	
3111	$241 \cdot 2^{497679} - 1$	149819	L145	06	
3112	$1461 \cdot 2^{497676} + 1$	149819	L834	09	
3113	$5941 \cdot 2^{497656} + 1$	149814	L834	09	
3114	$1161 \cdot 2^{497617} + 1$	149801	L656	09	
3115	$465869 \cdot 2^{497596} - 1$	149797	g302	03	
3116	$4275 \cdot 2^{497555} - 1$	149783	L268	08	
3117	$7359 \cdot 2^{497547} + 1$	149781	L834	09	
3118	$5043 \cdot 2^{497546} + 1$	149780	L834	09	
3119	$26013585 \cdot 2^{497505} - 1$	149772	L466	09	
3120	$46664997 \cdot 2^{497504} - 1$	149772	L466	09	
3121	$76567779 \cdot 2^{497503} - 1$	149772	L466	09	
3122	$37220487 \cdot 2^{497504} - 1$	149772	L466	09	
3123	$4302201 \cdot 2^{497507} - 1$	149772	L466	09	
3124	$56712411 \cdot 2^{497503} - 1$	149772	L466	08	
3125	$8422839 \cdot 2^{497505} - 1$	149771	L466	08	
3126	$2451 \cdot 2^{497292} + 1$	149704	L834	09	
3127	$6169 \cdot 2^{497278} + 1$	149700	L834	09	
3128	$124679 \cdot 2^{497244} - 1$	149691	L284	08	
3129	$6419 \cdot 2^{497231} + 1$	149686	L834	09	
3130	$747 \cdot 2^{497206} + 1$	149677	L691	09	
3131	$469 \cdot 2^{497206} + 1$	149677	L203	07	
3132	$1981 \cdot 2^{497168} + 1$	149666	L834	09	
3133	$631 \cdot 2^{497092} + 1$	149643	L656	09	
3134	$815 \cdot 2^{497063} + 1$	149634	L689	09	
3135	$189 \cdot 2^{496835} - 1$	149565	L91	05	
3136	$9975 \cdot 2^{496816} - 1$	149561	L644	09	
3137	$3615 \cdot 2^{496718} - 1$	149531	L171	09	
3138	$953 \cdot 2^{496693} + 1$	149523	L692	09	
3139	$2029 \cdot 2^{496685} - 1$	149521	L614	08	
3140	$1251 \cdot 2^{496646} - 1$	149509	L503	09	
3141	$3345 \cdot 2^{496616} - 1$	149500	L323	09	
3142	$155 \cdot 2^{496604} - 1$	149495	L163	06	
3143	$495 \cdot 2^{496551} + 1$	149480	L153	08	
3144	$641 \cdot 2^{496430} - 1$	149444	L548	08	
3145	$23 \cdot 2^{496422} - 1$	149440	L40	04	
3146	$1143 \cdot 2^{496336} - 1$	149416	L503	09	
3147	$1171 \cdot 2^{496188} + 1$	149371	L672	09	
3148	$399 \cdot 2^{496100} - 1$	149344	g276	08	
3149	$895823 \cdot 2^{495837} + 1$	149268	g335	02	

rank	description	digits	who	year	comment
3150	$511 \cdot 2^{495800} + 1$	149254	g136	06	
3151	$5955 \cdot 2^{495794} - 1$	149253	L268	08	
3152	$1875 \cdot 2^{495775} - 1$	149247	L536	09	
3153	$243 \cdot 2^{495732} + 1$	149233	L165	07	Divides Fermat $F(495728)$, $GF(495726, 3)$, $GF(495728, 6)$, $GF(495727, 12)$
3154	$Phi(3, -35822^{16384})$	149231	f2	05	Generalized unique
3155	$2955 \cdot 2^{495709} - 1$	149227	L268	09	
3156	$903 \cdot 2^{495560} + 1$	149182	L689	09	
3157	$6705 \cdot 2^{495407} - 1$	149137	L323	09	
3158	$1779 \cdot 2^{495289} - 1$	149101	L698	09	
3159	$717 \cdot 2^{495026} + 1$	149021	L668	09	
3160	$1593 \cdot 2^{494915} - 1$	148988	L701	09	
3161	$107 \cdot 2^{494896} - 1$	148981	L138	06	
3162	$11729 \cdot 2^{494856} - 1$	148971	L257	09	
3163	$5655 \cdot 2^{494763} - 1$	148943	L268	08	
3164	$1175 \cdot 2^{494662} - 1$	148912	L503	09	
3165	$35 \cdot 2^{494607} + 1$	148894	g220	05	
3166	$187 \cdot 2^{494602} + 1$	148893	L656	09	
3167	$123643 \cdot 2^{494568} + 1$	148885	p243	09	
3168	$8475 \cdot 2^{494479} - 1$	148857	L644	09	
3169	$583 \cdot 2^{494466} + 1$	148852	g233	07	
3170	$121 \cdot 2^{494317} - 1$	148807	L66	04	
3171	$81778 \cdot 66^{81778} + 1$	148804	g157	07	Generalized Cullen
3172	$4 \cdot 3^{311835} - 1$	148784	p228	08	
3173	$22932195 \cdot 2^{494150} - 1$	148762	L138	06	
3174	$521 \cdot 2^{494105} + 1$	148744	g136	06	
3175	$555555 \cdot 2^{494045} - 1$	148729	L862	09	
3176	$927 \cdot 2^{494005} - 1$	148714	L565	08	
3177	$1311 \cdot 2^{493918} - 1$	148688	L503	09	
3178	$49335 \cdot 2^{493906} - 1$	148686	L251	09	
3179	$11390625 \cdot 2^{493855} - 1$	148673	L614	09	
3180	$235 \cdot 2^{493738} + 1$	148633	L153	07	
3181	$297 \cdot 2^{493726} - 1$	148629	L195	07	
3182	$9999 \cdot 2^{493445} - 1$	148546	L268	09	
3183	$1855 \cdot 2^{493389} - 1$	148529	L701	09	
3184	$138724 \cdot 5^{212488} + 1$	148528	p215	07	
3185	$39547695 \cdot 2^{493338} - 1$	148518	L277	08	
3186	$889 \cdot 2^{493346} + 1$	148515	L673	09	
3187	$27615 \cdot 2^{493324} - 1$	148510	L268	09	
3188	$1695 \cdot 2^{493238} + 1$	148483	g336	05	
3189	$983 \cdot 2^{493212} - 1$	148475	L565	08	
3190	$955 \cdot 2^{493082} + 1$	148436	L689	09	
3191	$261 \cdot 2^{492999} + 1$	148410	g361	06	
3192	$37995 \cdot 2^{492984} - 1$	148408	L251	09	
3193	$1931 \cdot 2^{492970} - 1$	148403	L698	09	
3194	$1611 \cdot 2^{492905} - 1$	148383	L698	09	
3195	$1895 \cdot 2^{492900} - 1$	148381	L620	09	
3196	$2029 \cdot 2^{492765} - 1$	148341	L614	08	
3197	$1039 \cdot 2^{492675} - 1$	148313	L503	08	

rank	description	digits	who	year	comment
3198	$297 \cdot 2^{492450} - 1$	148245	L195	07	
3199	$609 \cdot 2^{492403} - 1$	148231	L565	08	
3200	$2397 \cdot 2^{492334} - 1$	148211	L251	09	
3201	$1791 \cdot 2^{492279} - 1$	148194	L251	08	
3202	$1425 \cdot 2^{492263} - 1$	148190	L701	09	
3203	$1681 \cdot 2^{492221} - 1$	148177	L555	09	
3204	$63405 \cdot 2^{492140} + 1$	148154	L587	08	
3205	$797 \cdot 2^{492100} - 1$	148140	L565	08	
3206	$1113 \cdot 2^{492080} + 1$	148134	L673	09	
3207	$1771 \cdot 2^{492075} - 1$	148133	L698	09	
3208	$427 \cdot 2^{492076} + 1$	148133	L153	07	
3209	$9967 \cdot 2^{492050} + 1$	148126	L635	09	
3210	$1559 \cdot 2^{491984} - 1$	148106	L257	08	
3211	$563 \cdot 2^{491980} - 1$	148104	L565	08	
3212	$36957 \cdot 2^{491967} + 1$	148102	g256	02	
3213	$14895 \cdot 2^{491956} - 1$	148098	L257	09	
3214	$8295 \cdot 2^{491744} - 1$	148034	L323	09	
3215	$1371 \cdot 2^{491730} - 1$	148029	L503	09	
3216	$751 \cdot 2^{491695} - 1$	148018	L565	08	
3217	$292648 \cdot 5^{211729} - 1$	147998	p225	07	
3218	$181 \cdot 2^{491487} - 1$	147955	L171	06	
3219	$333 \cdot 2^{491436} - 1$	147940	L79	07	
3220	$1393 \cdot 2^{491175} - 1$	147862	L503	09	
3221	$225 \cdot 2^{491135} - 1$	147849	L91	05	
3222	$3803443215 \cdot 2^{491104} - 1$	147847	L167	06	
3223	$1623 \cdot 2^{491038} - 1$	147821	L555	09	
3224	$402335175 \cdot 2^{490928} - 1$	147793	L146	06	
3225	$831 \cdot 2^{490927} - 1$	147787	L565	08	
3226	$277 \cdot 2^{490805} - 1$	147750	L145	06	
3227	$179 \cdot 2^{490800} - 1$	147748	L138	06	
3228	$157 \cdot 2^{490772} + 1$	147740	p122	05	
3229	$789 \cdot 2^{490711} - 1$	147722	L565	08	
3230	$31838235 \cdot 2^{490669} + 1$	147714	p190	09	
3231	$1023 \cdot 2^{490681} + 1$	147713	L656	09	
3232	$51 \cdot 2^{490673} + 1$	147709	p114	04	
3233	$5077 \cdot 2^{490629} - 1$	147698	L251	07	
3234	$597 \cdot 2^{490528} + 1$	147667	g387	06	
3235	$177 \cdot 2^{490500} + 1$	147658	g226	05	
3236	$1853 \cdot 2^{490210} - 1$	147572	L566	09	
3237	$1973 \cdot 2^{490134} - 1$	147549	L566	09	
3238	$1669 \cdot 2^{490105} - 1$	147540	L701	09	
3239	$2029 \cdot 2^{489935} - 1$	147489	L614	08	
3240	$1789 \cdot 2^{489891} - 1$	147476	L698	09	
3241	$2595 \cdot 2^{489851} - 1$	147464	L261	08	
3242	$885 \cdot 2^{489785} - 1$	147443	L565	08	
3243	$1113 \cdot 2^{489731} - 1$	147427	L503	09	
3244	$20030919 \cdot 2^{489643} + 1$	147405	g344	04	
3245	$2115 \cdot 2^{489611} + 1$	147391	g380	08	
3246	$581 \cdot 2^{489603} + 1$	147388	g233	07	
3247	$967 \cdot 2^{489572} + 1$	147379	L687	09	

rank	description	digits	who	year	comment
3248	$1035 \cdot 2^{489512} + 1$	147361	L635	09	
3249	$9285 \cdot 2^{489367} - 1$	147319	L644	09	
3250	$2685 \cdot 2^{489306} - 1$	147300	L121	09	
3251	$1185 \cdot 2^{489226} + 1$	147275	L685	09	
3252	$1125 \cdot 2^{489225} - 1$	147275	L503	09	
3253	$2775 \cdot 2^{489194} - 1$	147266	L121	09	
3254	$9765 \cdot 2^{489156} - 1$	147255	L644	09	
3255	$555555 \cdot 2^{489137} - 1$	147251	L862	09	
3256	$12045 \cdot 2^{489088} - 1$	147235	L268	09	
3257	$1085 \cdot 2^{488767} + 1$	147137	L678	09	
3258	$99 \cdot 2^{488698} + 1$	147115	p114	05	
3259	$1163 \cdot 2^{488618} - 1$	147092	L503	09	
3260	$815 \cdot 2^{488502} - 1$	147057	L565	08	
3261	$101 \cdot 2^{488039} + 1$	146917	g233	05	
3262	$165 \cdot 2^{487961} - 1$	146894	L32	05	
3263	$243 \cdot 2^{487938} + 1$	146887	p114	04	
3264	$1901 \cdot 2^{487865} + 1$	146866	p241	09	
3265	$1529 \cdot 2^{487800} - 1$	146846	L257	08	
3266	$869 \cdot 2^{487791} + 1$	146843	p114	05	
3267	$725 \cdot 2^{487759} + 1$	146833	p114	05	
3268	$189 \cdot 2^{487601} - 1$	146785	L91	05	
3269	$869688105 \cdot 2^{487488} - 1$	146758	L139	06	
3270	$6585 \cdot 2^{487502} - 1$	146757	L268	08	
3271	$999 \cdot 2^{487426} + 1$	146733	p114	05	
3272	$1095 \cdot 2^{487053} - 1$	146621	L503	08	
3273	$775 \cdot 2^{486913} - 1$	146579	L565	08	
3274	$1507 \cdot 2^{486901} - 1$	146575	L620	09	
3275	$973 \cdot 2^{486740} + 1$	146527	L635	09	
3276	$1323 \cdot 2^{486656} - 1$	146502	L503	09	
3277	$809 \cdot 2^{486521} + 1$	146461	L668	09	
3278	$1167 \cdot 2^{486504} - 1$	146456	L503	09	
3279	$1581823815 \cdot 2^{486425} - 1$	146438	L83	05	
3280	$1385 \cdot 2^{486346} - 1$	146408	L503	09	
3281	$323 \cdot 2^{486322} - 1$	146401	g320	07	
3282	$1869 \cdot 2^{486293} - 1$	146393	L566	09	
3283	$8055 \cdot 2^{486016} - 1$	146310	L251	09	
3284	$22932195 \cdot 2^{485935} - 1$	146289	L138	06	
3285	$13236795 \cdot 2^{485854} - 1$	146264	L695	09	
3286	$759375 \cdot 2^{485773} - 1$	146239	L284	08	
3287	$9675 \cdot 2^{485702} - 1$	146215	L644	09	
3288	$255255 \cdot 2^{485660} + 1$	146204	L94	05	
3289	$1881 \cdot 2^{485590} - 1$	146181	L701	09	
3290	$1605 \cdot 2^{485583} - 1$	146179	L251	08	
3291	$32713 \cdot 2^{485539} - 1$	146167	L257	09	
3292	$583 \cdot 2^{485520} + 1$	146159	g233	07	
3293	$275 \cdot 2^{485505} + 1$	146155	L153	07	
3294	$1041 \cdot 2^{485490} - 1$	146151	L503	08	
3295	$375 \cdot 2^{485466} + 1$	146143	g380	06	
3296	$815 \cdot 2^{485457} + 1$	146141	L672	09	
3297	$801 \cdot 2^{485328} + 1$	146102	L683	09	

rank	description	digits	who	year	comment
3298	$1577 \cdot 2^{485232} - 1$	146073	L257	08	
3299	$253 \cdot 2^{485188} + 1$	146059	L153	07	
3300	$1347 \cdot 2^{485136} + 1$	146044	p240	09	
3301	$1311 \cdot 2^{485133} + 1$	146043	p240	09	
3302	$1649 \cdot 2^{485120} - 1$	146039	L701	09	
3303	$891 \cdot 2^{485040} + 1$	146015	L670	09	
3304	$857 \cdot 2^{485006} - 1$	146005	L579	08	
3305	$9 \cdot 2^{484975} - 1$	145993	L38	04	
3306	$1219 \cdot 2^{484954} + 1$	145989	p161	08	
3307	$1501 \cdot 2^{484947} - 1$	145987	L698	09	
3308	$8655 \cdot 2^{484899} - 1$	145974	L251	09	
3309	$1407 \cdot 2^{484811} + 1$	145946	p240	09	
3310	$1275 \cdot 2^{484801} - 1$	145943	L503	09	
3311	$210877 \cdot 2^{484789} - 1$	145942	L536	09	
3312	$807 \cdot 2^{484727} + 1$	145921	L694	09	
3313	$1019 \cdot 2^{484704} - 1$	145914	L251	08	
3314	$105 \cdot 2^{484658} - 1$	145899	L38	05	
3315	$201 \cdot 2^{484583} - 1$	145877	L167	06	
3316	$903 \cdot 2^{484562} + 1$	145871	L681	09	
3317	$193 \cdot 2^{484500} + 1$	145852	L57	06	
3318	$22095 \cdot 2^{484480} - 1$	145848	L268	09	
3319	$4035 \cdot 2^{484360} - 1$	145811	L268	08	
3320	$247099 \cdot 2^{484190} + 1$	145762	g341	04	
3321	$6365 \cdot 2^{484188} - 1$	145759	L876	09	
3322	$1245 \cdot 2^{484108} + 1$	145735	p240	08	
3323	$20145 \cdot 2^{484090} - 1$	145730	L268	09	
3324	$363 \cdot 2^{484076} + 1$	145724	L153	08	
3325	$229 \cdot 2^{484018} + 1$	145707	L181	06	
3326	$2153 \cdot 2^{483941} + 1$	145685	g380	09	
3327	$173 \cdot 2^{483932} - 1$	145681	L145	07	
3328	$519 \cdot 2^{483915} + 1$	145676	L153	08	
3329	$5775 \cdot 2^{483844} + 1$	145656	p189	07	
3330	$253 \cdot 2^{483768} + 1$	145632	L153	07	
3331	$921 \cdot 2^{483762} - 1$	145630	L548	08	
3332	$1317 \cdot 2^{483761} - 1$	145630	L503	09	
3333	$835 \cdot 2^{483718} + 1$	145617	L654	09	
3334	$1509 \cdot 2^{483561} + 1$	145570	p240	09	
3335	$1213 \cdot 2^{483535} - 1$	145562	L503	09	
3336	$102765 \cdot 2^{483523} - 1$	145560	L644	09	
3337	$8235 \cdot 2^{483521} - 1$	145559	L644	09	
3338	$1951 \cdot 2^{483481} - 1$	145546	L555	09	
3339	$6207 \cdot 2^{483337} - 1$	145503	L268	09	
3340	$29445 \cdot 2^{483330} - 1$	145502	L323	09	
3341	$1103 \cdot 2^{483326} - 1$	145499	L10	04	
3342	$1035 \cdot 2^{483288} - 1$	145488	L503	08	
3343	$1767 \cdot 2^{483281} - 1$	145486	L698	09	
3344	$2685 \cdot 2^{483182} - 1$	145456	L323	09	
3345	$187 \cdot 2^{483153} - 1$	145446	L138	06	
3346	$8475 \cdot 2^{483095} - 1$	145431	L644	09	
3347	$15 \cdot 2^{483098} + 1$	145429	p76	04	

rank	description	digits	who	year	comment
3348	$1247 \cdot 2^{483070} - 1$	145422	L503	09	
3349	$1761 \cdot 2^{483045} - 1$	145415	L701	09	
3350	$149 \cdot 2^{483045} + 1$	145414	L57	06	
3351	$1217 \cdot 2^{482959} + 1$	145389	p161	08	
3352	$1175 \cdot 2^{482920} - 1$	145377	L503	09	
3353	$736320585 \cdot 2^{482897} - 1$	145376	L137	06	
3354	$9429 \cdot 2^{482795} - 1$	145340	L251	09	
3355	$219 \cdot 2^{482782} + 1$	145335	g233	07	
3356	$1105 \cdot 2^{482773} - 1$	145333	L503	08	
3357	$393 \cdot 2^{482773} + 1$	145332	L153	08	
3358	$1003 \cdot 2^{482655} - 1$	145297	L51	04	
3359	$21525 \cdot 2^{482615} - 1$	145286	L251	09	
3360	$1073 \cdot 2^{482585} + 1$	145276	L656	08	
3361	$159 \cdot 2^{482581} - 1$	145274	L91	05	
3362	$183 \cdot 2^{482384} + 1$	145215	L108	05	
3363	$53 \cdot 2^{482377} + 1$	145212	p114	04	
3364	$1095 \cdot 2^{482338} - 1$	145202	L503	08	
3365	$949 \cdot 2^{482315} - 1$	145195	L619	08	
3366	$27183585 \cdot 2^{482296} + 1$	145193	L122	07	
3367	$79635 \cdot 2^{482295} - 1$	145191	L251	09	
3368	$957 \cdot 2^{482230} + 1$	145169	L635	08	
3369	$203 \cdot 2^{482177} + 1$	145153	g233	06	
3370	$1089 \cdot 2^{481919} + 1$	145076	L656	08	
3371	$481899 \cdot 2^{481899} + 1$	145072	gm	98	Cullen
3372	$255 \cdot 2^{481837} - 1$	145050	g320	05	
3373	$957860475 \cdot 2^{481762} - 1$	145034	L18	08	
3374	$9345 \cdot 2^{481642} - 1$	144993	L644	09	
3375	$28635 \cdot 2^{481618} - 1$	144986	L251	09	
3376	$1623 \cdot 2^{481564} - 1$	144969	L698	09	
3377	$6975 \cdot 2^{481543} - 1$	144963	L121	09	
3378	$1401 \cdot 2^{481489} + 1$	144946	p240	09	
3379	$4035 \cdot 2^{481460} - 1$	144938	L268	08	
3380	$1377 \cdot 2^{481426} + 1$	144927	p240	09	
3381	$207 \cdot 2^{481385} - 1$	144914	L186	07	
3382	$577294575 \cdot 2^{481273} + 1$	144887	g42	08	
3383	$2355 \cdot 2^{481236} - 1$	144870	L121	09	
3384	$9615 \cdot 2^{481062} - 1$	144819	L644	09	
3385	$203 \cdot 2^{480918} - 1$	144774	L163	06	
3386	$905 \cdot 2^{480913} + 1$	144773	L635	08	
3387	$6289 \cdot 2^{480883} - 1$	144765	L268	09	
3388	$189 \cdot 2^{480835} - 1$	144749	L91	05	
3389	$9585 \cdot 2^{480781} - 1$	144734	L644	09	
3390	$1509 \cdot 2^{480731} - 1$	144718	L701	09	
3391	$717 \cdot 2^{480680} + 1$	144702	L635	08	
3392	$95493!_3 + 1$	144697	p119	06	Multifactorial
3393	$15043 \cdot 2^{480639} - 1$	144691	L257	09	
3394	$1737 \cdot 2^{480454} - 1$	144635	L701	09	
3395	$677 \cdot 2^{480447} + 1$	144632	L679	08	
3396	$309 \cdot 2^{480343} - 1$	144601	L79	07	
3397	$1041 \cdot 2^{480229} + 1$	144567	L668	08	

rank	description	digits	who	year	comment
3398	$1455 \cdot 2^{480180} - 1$	144552	g405	07	
3399	$1761 \cdot 2^{480153} - 1$	144544	L701	09	
3400	$923 \cdot 2^{480089} + 1$	144525	L678	08	
3401	$747 \cdot 2^{480003} + 1$	144499	L681	08	
3402	$1785 \cdot 2^{479966} - 1$	144488	L698	09	
3403	$937 \cdot 2^{479725} - 1$	144415	L615	08	
3404	$1727 \cdot 2^{479638} - 1$	144389	L698	09	
3405	$1755 \cdot 2^{479628} - 1$	144386	L555	09	
3406	$2 \cdot 599^{51983} + 1$	144380	g404	08	Divides $\Phi(599^{51983}, 2)$
3407	$97305 \cdot 2^{479568} - 1$	144370	L251	09	
3408	$481 \cdot 2^{479573} - 1$	144369	L615	08	
3409	$903 \cdot 2^{479544} + 1$	144361	L671	09	
3410	$1653 \cdot 2^{479500} - 1$	144348	L620	09	
3411	$279 \cdot 2^{479437} - 1$	144328	L199	07	
3412	$736320585 \cdot 2^{479381} - 1$	144317	L137	06	
3413	$1185 \cdot 2^{479344} + 1$	144300	L656	08	
3414	$692835 \cdot 2^{479214} - 1$	144264	L87	05	
3415	$425 \cdot 2^{479187} + 1$	144253	L153	07	
3416	$4275 \cdot 2^{479132} - 1$	144237	L268	08	
3417	$1653 \cdot 2^{479120} + 1$	144233	p240	09	
3418	$1531 \cdot 2^{479097} - 1$	144226	L701	09	
3419	$473 \cdot 2^{479081} + 1$	144221	L153	07	
3420	$3335 \cdot 2^{478970} - 1$	144188	L261	08	
3421	$849 \cdot 2^{478885} + 1$	144162	L670	08	
3422	$1427 \cdot 2^{478831} + 1$	144146	p240	09	
3423	$595 \cdot 2^{478771} - 1$	144128	L548	08	
3424	$15645 \cdot 2^{478710} - 1$	144111	L268	09	
3425	$72048 \cdot 10^{144096} + 1$	144101	g157	05	Generalized Cullen
3426	$37785 \cdot 2^{478576} - 1$	144071	L251	09	
3427	$129 \cdot 2^{478538} + 1$	144057	L57	06	
3428	$1941 \cdot 2^{478377} + 1$	144010	p241	09	
3429	$6351 \cdot 2^{478354} - 1$	144003	L860	09	
3430	$195 \cdot 2^{478255} + 1$	143972	L108	06	
3431	$147639 \cdot 2^{478236} - 1$	143969	g356	05	
3432	$10623 \cdot 2^{478236} - 1$	143968	L74	05	
3433	$66825 \cdot 2^{478138} - 1$	143939	L251	09	
3434	$2137 \cdot 2^{477970} + 1$	143887	g380	08	
3435	$3039469 \cdot 2^{477833} - 1$	143849	L466	08	
3436	$1789 \cdot 2^{477639} - 1$	143787	L698	09	
3437	$1235 \cdot 2^{477605} + 1$	143777	p161	08	
3438	$100110001 \cdot 2^{477516} + 1$	143755	p249	09	
3439	$\Phi(3, 4469^{19683})$	143695	p16	02	Generalized unique
3440	$2211 \cdot 2^{477294} - 1$	143684	L261	08	
3441	$1425 \cdot 2^{477283} + 1$	143680	p240	09	
3442	$\Phi(3, -24135^{16384})$	143611	f2	05	Generalized unique
3443	$59629 \cdot 2^{477037} - 1$	143608	p243	09	
3444	$8325 \cdot 2^{477028} - 1$	143604	L644	09	
3445	$1757 \cdot 2^{476948} - 1$	143579	L701	09	
3446	$1577 \cdot 2^{476891} + 1$	143562	p240	09	
3447	$363 \cdot 2^{476748} - 1$	143519	g276	06	

rank	description	digits	who	year	comment
3448	$651 \cdot 2^{476632} + 1$	143484	L668	08	Divides Fermat $F(476624)$
3449	$1275 \cdot 2^{476581} - 1$	143469	L80	08	
3450	$6279 \cdot 2^{476527} - 1$	143453	L268	09	
3451	$649 \cdot 2^{476415} - 1$	143419	L617	08	
3452	$1575 \cdot 2^{476247} - 1$	143368	L284	08	
3453	$2123 \cdot 2^{476034} - 1$	143304	L261	07	
3454	$315 \cdot 2^{475986} - 1$	143289	L594	08	
3455	$1487 \cdot 2^{475980} - 1$	143288	L701	09	
3456	$943 \cdot 2^{475938} + 1$	143275	L676	08	
3457	$1651 \cdot 2^{475928} + 1$	143272	p240	09	
3458	$1049 \cdot 2^{475896} - 1$	143262	L80	08	
3459	$316751 \cdot 2^{475843} + 1$	143249	L624	08	
3460	$22701 \cdot 2^{475814} - 1$	143239	L621	09	
3461	$6285 \cdot 2^{475806} - 1$	143236	L268	09	
3462	$20152491645 \cdot 2^{475768} - 1$	143231	L268	07	
3463	$106074103 \cdot 2^{475699} - 1$	143208	L163	06	
3464	$2745 \cdot 2^{475676} - 1$	143197	L323	09	
3465	$106377 \cdot 2^{475569} - 1$	143166	L550	08	
3466	$295 \cdot 2^{475400} + 1$	143113	L153	08	
3467	$1881 \cdot 2^{475361} - 1$	143102	L698	09	
3468	$34631 \cdot 2^{475246} - 1$	143068	L323	09	
3469	$6825 \cdot 2^{475188} - 1$	143050	L268	08	
3470	$9885 \cdot 2^{475162} - 1$	143043	L644	09	
3471	$1090279905 \cdot 2^{474937} - 1$	142980	L545	08	
3472	$1299 \cdot 2^{474932} - 1$	142972	L80	08	
3473	$801 \cdot 2^{474900} + 1$	142963	L679	08	
3474	$1225 \cdot 2^{474797} - 1$	142932	L80	08	
3475	$5929 \cdot 2^{474778} + 1$	142927	L123	07	Generalized Fermat
3476	$1197 \cdot 2^{474764} + 1$	142922	g387	07	
3477	$1663 \cdot 2^{474731} - 1$	142912	L619	09	
3478	$34790! - 1$	142891	p85	02	Factorial
3479	$1875 \cdot 2^{474572} + 1$	142864	p240	09	
3480	$2101 \cdot 2^{474364} + 1$	142802	g380	08	
3481	$9765 \cdot 2^{474343} - 1$	142796	L644	09	
3482	$20145 \cdot 2^{474205} - 1$	142755	L621	09	
3483	$135 \cdot 2^{474178} - 1$	142744	L140	07	
3484	$1221 \cdot 2^{474071} + 1$	142713	p161	08	
3485	$1145 \cdot 2^{474062} - 1$	142710	L80	08	
3486	$1389 \cdot 2^{474039} - 1$	142704	L80	08	
3487	$493 \cdot 2^{473996} + 1$	142690	L153	08	
3488	$9855 \cdot 2^{473889} - 1$	142659	L644	09	
3489	$1185 \cdot 2^{473876} + 1$	142654	L635	08	
3490	$11655 \cdot 2^{473872} - 1$	142654	L323	09	
3491	$507 \cdot 2^{473865} - 1$	142651	L617	08	
3492	$170388075 \cdot 2^{473759} - 1$	142624	L545	08	
3493	$1191 \cdot 2^{473614} - 1$	142576	L80	08	
3494	$1731 \cdot 2^{473589} - 1$	142568	L566	09	
3495	$276278983 \cdot 2^{473423} - 1$	142523	L10	04	
3496	$663 \cdot 2^{473420} - 1$	142517	L617	08	
3497	$2109 \cdot 2^{473357} + 1$	142498	g380	08	

rank	description	digits	who	year	comment
3498	$1453 \cdot 2^{473330} + 1$	142490	p240	09	
3499	$753 \cdot 2^{473164} + 1$	142440	L635	08	
3500	$1911 \cdot 2^{473158} - 1$	142439	L698	09	
3501	$1133 \cdot 2^{473132} - 1$	142430	L80	08	
3502	$1957 \cdot 2^{473121} - 1$	142427	L701	09	
3503	$157 \cdot 2^{473073} - 1$	142412	L163	06	
3504	$2745 \cdot 2^{473048} - 1$	142406	L251	09	
3505	$105 \cdot 2^{473040} + 1$	142402	g233	05	
3506	$221 \cdot 2^{473029} + 1$	142399	g233	07	
3507	$1431 \cdot 2^{472973} + 1$	142383	p240	09	
3508	$6333 \cdot 2^{472911} - 1$	142365	L860	09	
3509	$987 \cdot 2^{472802} - 1$	142331	L565	08	
3510	$881 \cdot 2^{472687} + 1$	142296	L635	08	
3511	$1749 \cdot 2^{472685} + 1$	142296	p240	09	
3512	$1035 \cdot 2^{472684} - 1$	142296	L80	08	
3513	$6705 \cdot 2^{472680} - 1$	142295	L268	09	
3514	$2655 \cdot 2^{472672} - 1$	142292	L251	09	
3515	$12753 \cdot 2^{472607} - 1$	142273	L268	09	
3516	$283 \cdot 2^{472530} + 1$	142249	L153	08	
3517	$429 \cdot 2^{472505} + 1$	142241	L153	07	
3518	$1941 \cdot 2^{472435} + 1$	142221	p240	09	
3519	$105 \cdot 2^{472430} - 1$	142218	L38	04	
3520	$9961 \cdot 2^{472372} + 1$	142203	L635	09	
3521	$5535 \cdot 2^{472351} - 1$	142196	L268	09	
3522	$1535 \cdot 2^{472338} - 1$	142192	L698	09	
3523	$1717 \cdot 2^{472261} - 1$	142168	L536	09	
3524	$1877 \cdot 2^{472147} + 1$	142134	p240	09	
3525	$1019 \cdot 2^{472119} + 1$	142125	L677	08	
3526	$1047 \cdot 2^{472098} - 1$	142119	L80	08	
3527	$89 \cdot 2^{472099} + 1$	142118	p114	04	Divides Fermat $F(472097)$
3528	$29445 \cdot 2^{471983} - 1$	142086	L268	09	
3529	$5025 \cdot 2^{471882} - 1$	142055	L268	09	
3530	$659 \cdot 2^{471751} + 1$	142015	L635	08	
3531	$1199 \cdot 2^{471687} + 1$	141996	L635	08	
3532	$9555 \cdot 2^{471641} - 1$	141983	L644	09	
3533	$831 \cdot 2^{471566} - 1$	141959	L565	08	
3534	$555 \cdot 2^{471517} - 1$	141944	L565	08	
3535	$133 \cdot 2^{471455} - 1$	141925	L145	06	
3536	$81 \cdot 2^{471397} + 1$	141907	p114	04	
3537	$107 \cdot 2^{471382} - 1$	141903	L145	06	
3538	$1421 \cdot 2^{471235} + 1$	141860	p240	09	
3539	$267 \cdot 2^{471230} - 1$	141857	L171	06	
3540	$549 \cdot 2^{471189} + 1$	141845	L153	08	
3541	$53625 \cdot 2^{471031} - 1$	141800	L251	09	
3542	$9785 \cdot 2^{470862} - 1$	141748	L644	09	
3543	$6043 \cdot 2^{470803} - 1$	141730	L282	09	
3544	$58695 \cdot 2^{470697} - 1$	141699	L644	09	
3545	$2385 \cdot 2^{470679} - 1$	141692	L18	08	
3546	$947 \cdot 2^{470602} - 1$	141669	L565	08	
3547	$1293 \cdot 2^{470592} + 1$	141666	p240	09	

rank	description	digits	who	year	comment
3548	$26829 \cdot 2^{470531} - 1$	141649	L268	09	
3549	$271 \cdot 2^{470529} - 1$	141646	L145	06	
3550	$3645 \cdot 2^{470421} - 1$	141615	L139	06	
3551	$1883 \cdot 2^{470382} - 1$	141603	L698	09	
3552	$1161 \cdot 2^{470363} - 1$	141597	L80	08	
3553	$1189 \cdot 2^{470253} - 1$	141564	L80	08	
3554	$131 \cdot 2^{470245} + 1$	141560	p114	05	
3555	$1125 \cdot 2^{470181} + 1$	141542	L680	08	
3556	$401617 \cdot 2^{470149} - 1$	141535	g59	02	
3557	$21825 \cdot 2^{470138} - 1$	141530	L268	09	
3558	$825 \cdot 2^{470111} + 1$	141521	p114	06	
3559	$933 \cdot 2^{470094} + 1$	141516	p114	06	
3560	$90082 \cdot 5^{202441} - 1$	141506	p204	07	
3561	$1215 \cdot 2^{469910} - 1$	141461	L80	08	
3562	$413 \cdot 2^{469901} + 1$	141457	L153	07	
3563	$1299 \cdot 2^{469839} - 1$	141439	L80	08	
3564	$1089 \cdot 2^{469779} + 1$	141421	L656	08	
3565	$3493 \cdot 2^{469759} - 1$	141416	L862	09	
3566	$801 \cdot 2^{469733} + 1$	141407	L668	08	
3567	$1887 \cdot 2^{469709} - 1$	141400	L698	09	
3568	$192908 \cdot 5^{202258} - 1$	141378	p204	07	
3569	$883 \cdot 2^{469622} + 1$	141374	L670	08	
3570	$269 \cdot 2^{469595} + 1$	141365	L153	07	
3571	$67 \cdot 2^{469596} + 1$	141365	p114	04	
3572	$37850187375 \cdot 2^{469548} - 1$	141359	L257	08	
3573	$88195 \cdot 40^{88195} + 1$	141299	x37	09	Generalized Cullen
3574	$3575 \cdot 2^{469368} - 1$	141298	L862	09	
3575	$381 \cdot 2^{469371} - 1$	141298	L548	08	
3576	$379 \cdot 2^{469369} - 1$	141297	g276	07	
3577	$1213 \cdot 2^{469359} - 1$	141295	L80	08	
3578	$1323 \cdot 2^{469330} - 1$	141286	L80	08	
3579	$925 \cdot 2^{469142} + 1$	141229	L674	08	
3580	$36231101 \cdot 2^{469002} - 1$	141192	L251	07	
3581	$303 \cdot 2^{468977} + 1$	141179	g258	06	
3582	$1917 \cdot 2^{468959} + 1$	141175	p240	09	
3583	$22365 \cdot 2^{468941} - 1$	141170	L323	09	
3584	$913 \cdot 2^{468911} - 1$	141160	L565	08	
3585	$1581 \cdot 2^{468851} + 1$	141142	p240	09	
3586	$5655 \cdot 2^{468842} - 1$	141140	L268	08	
3587	$2505 \cdot 2^{468805} - 1$	141128	L121	09	
3588	$767 \cdot 2^{468744} - 1$	141109	L565	08	
3589	$1707 \cdot 2^{468726} - 1$	141104	L701	09	
3590	$1997 \cdot 2^{468642} - 1$	141079	L698	09	
3591	$3921 \cdot 2^{468634} - 1$	141077	L862	09	
3592	$2741 \cdot 2^{468594} - 1$	141065	L251	08	
3593	$773 \cdot 2^{468504} - 1$	141037	L565	08	
3594	$51 \cdot 2^{468417} - 1$	141010	L38	04	
3595	$80463 \cdot 2^{468141} + 1$	140930	L541	08	
3596	$6585 \cdot 2^{468137} - 1$	140928	L268	08	
3597	$3623 \cdot 2^{468132} - 1$	140926	L862	09	

rank	description	digits	who	year	comment
3598	$1155 \cdot 2^{468090} + 1$	140913	L635	08	
3599	$1607 \cdot 2^{468062} - 1$	140904	L698	09	
3600	$1947 \cdot 2^{468046} + 1$	140900	p240	09	
3601	$3875 \cdot 2^{467870} - 1$	140847	L893	09	
3602	$741 \cdot 2^{467854} - 1$	140841	g320	06	
3603	$699 \cdot 2^{467839} + 1$	140837	L686	08	
3604	$1037 \cdot 2^{467696} - 1$	140794	L80	08	
3605	$1931 \cdot 2^{467627} + 1$	140774	p240	09	
3606	$617 \cdot 2^{467627} + 1$	140773	L673	08	
3607	$1545 \cdot 2^{467598} + 1$	140765	p240	09	
3608	$1653 \cdot 2^{467574} + 1$	140758	p240	09	
3609	$1695 \cdot 2^{467531} + 1$	140745	g336	05	
3610	$3783 \cdot 2^{467492} - 1$	140733	L862	09	
3611	$7755 \cdot 2^{467489} - 1$	140733	L463	08	
3612	$1007 \cdot 2^{467423} + 1$	140712	L672	08	
3613	$5955 \cdot 2^{467420} - 1$	140712	L268	08	
3614	$555 \cdot 2^{467419} - 1$	140710	L565	08	
3615	$735 \cdot 2^{467323} - 1$	140682	g172	06	
3616	$975 \cdot 2^{467222} + 1$	140651	L656	08	
3617	$1591 \cdot 2^{467191} - 1$	140642	L566	09	
3618	$3015015 \cdot 2^{467138} - 1$	140630	L488	08	
3619	$3871 \cdot 2^{467103} - 1$	140616	L862	09	
3620	$967 \cdot 2^{467098} + 1$	140614	L664	08	
3621	$5107 \cdot 2^{467006} + 1$	140587	L635	09	
3622	$6253 \cdot 2^{466975} - 1$	140578	L268	09	
3623	$959 \cdot 2^{466904} - 1$	140556	L565	08	
3624	$1437 \cdot 2^{466834} - 1$	140535	L698	09	
3625	$39547695 \cdot 2^{466753} - 1$	140515	L277	08	
3626	$1035 \cdot 2^{466717} - 1$	140499	L80	08	
3627	$2933 \cdot 2^{466692} - 1$	140492	L698	09	
3628	$85 \cdot 2^{466658} + 1$	140480	g267	04	
3629	$3725 \cdot 2^{466592} - 1$	140462	L862	09	
3630	$67 \cdot 2^{466532} + 1$	140442	p219	07	
3631	$23985 \cdot 2^{466484} - 1$	140431	L251	09	
3632	$1893 \cdot 2^{466486} - 1$	140430	L698	09	
3633	$675 \cdot 2^{466442} - 1$	140416	L79	07	
3634	$1343 \cdot 2^{466404} - 1$	140405	L80	08	
3635	$527 \cdot 2^{466326} - 1$	140381	L565	08	
3636	$20625 \cdot 2^{466289} - 1$	140372	L268	09	
3637	$1765 \cdot 2^{466267} - 1$	140364	L548	09	
3638	$19580625 \cdot 2^{466078} + 1$	140311	L71	06	Generalized Fermat
3639	$9285 \cdot 2^{466079} - 1$	140308	L644	09	
3640	$681 \cdot 2^{466063} - 1$	140302	L565	08	
3641	$405405 \cdot 2^{466003} - 1$	140287	L466	08	
3642	$377 \cdot 2^{465986} - 1$	140279	g276	05	
3643	$305 \cdot 2^{465959} + 1$	140271	L153	08	
3644	$5775 \cdot 2^{465939} + 1$	140266	p189	06	
3645	$1687 \cdot 2^{465934} + 1$	140264	p240	09	
3646	$5523 \cdot 2^{465886} + 1$	140250	L690	09	
3647	$365 \cdot 2^{465850} - 1$	140238	g276	06	

rank	description	digits	who	year	comment
3648	$7905 \cdot 2^{465845} + 1$	140238	L740	09	
3649	$1243 \cdot 2^{465840} + 1$	140235	p161	08	
3650	$9503 \cdot 2^{465789} + 1$	140221	L671	09	
3651	$64872 \cdot 145^{64872} + 1$	140218	g142	05	Generalized Cullen
3652	$3075 \cdot 2^{465772} + 1$	140215	L669	09	
3653	$8657 \cdot 2^{465723} + 1$	140201	L805	09	
3654	$7635 \cdot 2^{465709} + 1$	140197	L671	09	
3655	$9193 \cdot 2^{465700} + 1$	140194	L635	09	
3656	$1031 \cdot 2^{465669} + 1$	140184	L668	08	
3657	$9399 \cdot 2^{465586} + 1$	140160	L635	09	
3658	$3549 \cdot 2^{465568} - 1$	140154	L862	09	
3659	$8017 \cdot 2^{465544} + 1$	140147	L669	09	
3660	$4817 \cdot 2^{465527} + 1$	140142	L690	09	
3661	$2599 \cdot 2^{465494} + 1$	140132	L635	09	
3662	$1851 \cdot 2^{465493} - 1$	140131	L698	09	
3663	$8383 \cdot 2^{465464} + 1$	140123	L669	09	
3664	$4321 \cdot 2^{465448} + 1$	140118	L671	09	
3665	$7779 \cdot 2^{465443} + 1$	140117	L870	09	
3666	$195 \cdot 2^{465427} + 1$	140110	L108	06	
3667	$6245 \cdot 2^{465411} + 1$	140107	L635	09	
3668	$9179 \cdot 2^{465389} + 1$	140101	L635	09	
3669	$231 \cdot 2^{465391} - 1$	140100	L87	05	
3670	$1767 \cdot 2^{465385} - 1$	140099	L701	09	
3671	$1295 \cdot 2^{465366} - 1$	140093	L80	08	
3672	$3847 \cdot 2^{465353} - 1$	140089	L862	09	
3673	$8547 \cdot 2^{465346} + 1$	140088	L635	09	
3674	$9095 \cdot 2^{465345} + 1$	140087	L635	09	
3675	$6749 \cdot 2^{465319} + 1$	140079	L635	09	
3676	$1365 \cdot 2^{465290} + 1$	140070	p240	09	
3677	$4377 \cdot 2^{465264} + 1$	140063	L635	09	
3678	$6227 \cdot 2^{465258} - 1$	140061	L268	09	
3679	$1375 \cdot 2^{465249} - 1$	140058	L80	08	
3680	$3335 \cdot 2^{465245} + 1$	140057	L635	09	
3681	$5497 \cdot 2^{465226} + 1$	140051	L635	09	
3682	$9741 \cdot 2^{465219} + 1$	140049	L690	09	
3683	$23295 \cdot 2^{465214} - 1$	140048	L323	09	
3684	$9525 \cdot 2^{465183} - 1$	140039	L644	09	
3685	$897 \cdot 2^{465178} + 1$	140036	L668	08	
3686	$5739 \cdot 2^{465158} + 1$	140031	L635	09	
3687	$3531 \cdot 2^{465141} + 1$	140025	L635	09	
3688	$10^{140008} + 4546454 \cdot 10^{70001} + 1$	140009	D	05	Palindrome
3689	$6975 \cdot 2^{465060} + 1$	140001	L635	09	
3690	$2913 \cdot 2^{465013} + 1$	139987	L669	09	
3691	$3769 \cdot 2^{464991} - 1$	139980	L862	09	
3692	$145 \cdot 2^{464887} - 1$	139948	L145	06	
3693	$1273 \cdot 2^{464876} + 1$	139945	p161	08	
3694	$1677 \cdot 2^{464866} + 1$	139942	p240	09	
3695	$69 \cdot 2^{464843} - 1$	139934	L38	04	
3696	$1625260065 \cdot 2^{464713} - 1$	139902	L146	06	
3697	$3345 \cdot 2^{464725} - 1$	139900	L257	09	

rank	description	digits	who	year	comment
3698	$1755 \cdot 2^{464639} - 1$	139874	L698	09	
3699	$3234846615 \cdot 2^{464595} - 1$	139867	p113	04	
3700	$2103 \cdot 2^{464609} + 1$	139865	g380	08	
3701	$13245 \cdot 2^{464593} + 1$	139861	L647	09	
3702	$9405 \cdot 2^{464507} - 1$	139835	L644	09	
3703	$2 \cdot 191^{61303} + 1$	139835	g404	06	Divides $\Phi(191^{61303}, 2)$ [g187]
3704	$339 \cdot 2^{464483} + 1$	139826	p161	08	
3705	$1415 \cdot 2^{464458} - 1$	139819	L698	09	
3706	$2805 \cdot 2^{464446} - 1$	139816	L261	08	
3707	$9613 \cdot 2^{464439} - 1$	139815	L251	07	
3708	$113 \cdot 2^{464386} - 1$	139797	L10	04	
3709	$3879 \cdot 2^{464311} - 1$	139776	L862	09	
3710	$147 \cdot 2^{464300} - 1$	139771	L163	06	
3711	$1065 \cdot 2^{464242} + 1$	139754	L671	08	
3712	$6289 \cdot 2^{464225} - 1$	139750	L268	09	
3713	$155056 \cdot 5^{199913} - 1$	139739	p204	07	
3714	$6305 \cdot 2^{464076} - 1$	139705	L860	09	
3715	$757 \cdot 2^{464076} + 1$	139704	L675	08	
3716	$1485 \cdot 2^{464029} - 1$	139690	g405	06	
3717	$865 \cdot 2^{464001} - 1$	139682	L565	08	
3718	$395 \cdot 2^{464002} - 1$	139682	g276	05	
3719	$99 \cdot 10^{139670} - 1$	139672	p200	06	Near-repdigit
3720	$3939 \cdot 2^{463897} - 1$	139651	L862	09	
3721	$22932195 \cdot 2^{463856} - 1$	139642	L138	06	
3722	$3741 \cdot 2^{463819} - 1$	139628	L862	09	
3723	$39547695 \cdot 2^{463654} - 1$	139582	L277	08	
3724	$625 \cdot 2^{463656} + 1$	139578	L665	08	Generalized Fermat
3725	$177 \cdot 2^{463598} + 1$	139560	g226	04	
3726	$6249 \cdot 2^{463587} - 1$	139558	L268	09	
3727	$1599 \cdot 2^{463571} - 1$	139552	L257	08	
3728	$1945 \cdot 2^{463480} + 1$	139525	p240	09	
3729	$292340 \cdot 3^{292340} - 1$	139488	p120	04	Generalized Woodall
3730	$91848 \cdot 33^{91848} + 1$	139478	g157	06	Generalized Cullen
3731	$1535 \cdot 2^{463303} + 1$	139472	p240	09	
3732	$255 \cdot 2^{463229} + 1$	139449	L153	07	
3733	$1137 \cdot 2^{463202} + 1$	139441	L663	08	
3734	$3789 \cdot 2^{463153} - 1$	139427	L860	09	
3735	$3615 \cdot 2^{463149} - 1$	139426	L261	08	
3736	$861 \cdot 2^{463119} - 1$	139416	L79	06	
3737	$377 \cdot 2^{463086} - 1$	139406	g276	05	
3738	$1245 \cdot 2^{463080} - 1$	139405	L80	08	
3739	$419 \cdot 2^{463079} + 1$	139404	L153	07	
3740	$975 \cdot 2^{463041} + 1$	139393	L656	08	
3741	$1413 \cdot 2^{463024} + 1$	139388	p240	08	
3742	$1557 \cdot 2^{462980} - 1$	139375	L698	09	
3743	$631 \cdot 2^{462929} - 1$	139359	L536	08	
3744	$7215 \cdot 2^{462798} - 1$	139320	L257	09	
3745	$423 \cdot 2^{462792} - 1$	139317	g276	05	
3746	$2 \cdot 149^{64107} + 1$	139317	g404	06	
3747	$10001 \cdot 2^{462753} + 1$	139307	g380	09	

rank	description	digits	who	year	comment
3748	$1683 \cdot 2^{462620} - 1$	139266	L698	09	
3749	$1501 \cdot 2^{462581} - 1$	139254	L698	09	
3750	$3789 \cdot 2^{462517} - 1$	139236	L862	09	
3751	$6279 \cdot 2^{462467} - 1$	139221	L268	09	
3752	$6233 \cdot 2^{462338} - 1$	139182	L268	09	
3753	$3531 \cdot 2^{462307} - 1$	139172	L862	09	
3754	$1137 \cdot 2^{462306} + 1$	139172	L635	08	
3755	$351 \cdot 2^{462287} - 1$	139165	L548	08	
3756	$6465 \cdot 2^{462267} + 1$	139161	g258	08	
3757	$205 \cdot 2^{462261} - 1$	139157	L171	06	
3758	$9405 \cdot 2^{462192} - 1$	139138	L644	09	
3759	$34999 \cdot 2^{462058} + 1$	139098	g189	01	
3760	$41 \cdot 2^{462023} + 1$	139085	p114	04	
3761	$3935 \cdot 2^{461978} - 1$	139073	L862	09	
3762	$685 \cdot 2^{461971} - 1$	139070	L576	08	
3763	$1445 \cdot 2^{461951} + 1$	139065	p240	09	
3764	$6279 \cdot 2^{461932} - 1$	139060	L268	09	
3765	$437 \cdot 2^{461908} - 1$	139051	L536	08	
3766	$6301 \cdot 2^{461891} - 1$	139047	L251	09	
3767	$13845 \cdot 2^{461706} - 1$	138992	L621	09	
3768	$3665 \cdot 2^{461580} - 1$	138953	L862	09	
3769	$114613 \cdot 2^{461551} - 1$	138946	L251	07	
3770	$3615 \cdot 2^{461541} - 1$	138942	L261	08	
3771	$381 \cdot 2^{461496} + 1$	138927	L153	08	
3772	$193 \cdot 2^{461470} + 1$	138919	L57	06	
3773	$555555 \cdot 2^{461442} - 1$	138914	L862	09	
3774	$1115 \cdot 2^{461399} + 1$	138898	L662	08	
3775	$6327 \cdot 2^{461358} - 1$	138887	L251	09	
3776	$1799 \cdot 2^{461261} + 1$	138857	p240	09	
3777	$555 \cdot 2^{461262} + 1$	138857	g233	08	
3778	$455 \cdot 2^{461215} + 1$	138843	L153	07	
3779	$471 \cdot 2^{461146} - 1$	138822	L536	08	
3780	$2043 \cdot 2^{461079} - 1$	138802	L251	08	
3781	$9 \cdot 2^{461081} + 1$	138801	g122	03	Divides Fermat $F(461076)$, $GF(461077, 3)$, $GF(461077, 6)$, $GF(461077, 12)$
3782	$49 \cdot 2^{460989} - 1$	138774	L217	07	
3783	$19861029 \cdot 2^{460955} - 1$	138769	L895	09	
3784	$24097 \cdot 2^{460945} - 1$	138763	L257	09	
3785	$9429 \cdot 2^{460936} - 1$	138760	L251	09	
3786	$22932195 \cdot 2^{460859} - 1$	138740	L138	06	
3787	$21285 \cdot 2^{460829} - 1$	138728	L251	09	
3788	$957 \cdot 2^{460820} - 1$	138724	L536	08	
3789	$2955 \cdot 2^{460802} - 1$	138719	L268	09	
3790	$3625 \cdot 2^{460792} + 1$	138716	L849	09	
3791	$689 \cdot 2^{460772} - 1$	138710	L548	08	
3792	$993 \cdot 2^{460718} - 1$	138693	L548	08	
3793	$1791 \cdot 2^{460696} + 1$	138687	p240	09	Divides $GF(460693, 12)$
3794	$5549 \cdot 2^{460689} + 1$	138685	L764	09	
3795	$9475 \cdot 2^{460656} + 1$	138676	L651	09	

rank	description	digits	who	year	comment
3796	$3385 \cdot 2^{460656} + 1$	138675	L687	09	
3797	$8293 \cdot 2^{460594} + 1$	138657	L691	09	
3798	$230287 \cdot 2^{460576} + 1$	138653	p77	08	
3799	$9929 \cdot 2^{460577} + 1$	138652	L721	09	
3800	$6615 \cdot 2^{460549} + 1$	138643	L898	09	
3801	$5377 \cdot 2^{460512} + 1$	138632	L894	09	
3802	$1756836015 \cdot 2^{460487} - 1$	138630	L545	08	
3803	$8259 \cdot 2^{460493} + 1$	138627	L685	09	
3804	$1557 \cdot 2^{460479} + 1$	138622	p240	09	
3805	$963 \cdot 2^{460473} + 1$	138620	L660	08	
3806	$1127 \cdot 2^{460467} + 1$	138618	L635	08	
3807	$1821 \cdot 2^{460466} - 1$	138618	L548	09	
3808	$7375 \cdot 2^{460452} + 1$	138614	L813	09	
3809	$6775 \cdot 2^{460444} + 1$	138612	L894	09	
3810	$1387 \cdot 2^{460441} - 1$	138610	L80	08	
3811	$3945 \cdot 2^{460431} + 1$	138608	L687	09	
3812	$1523 \cdot 2^{460273} + 1$	138560	p240	09	
3813	$1209 \cdot 2^{460264} - 1$	138557	L80	08	
3814	$9675 \cdot 2^{460198} - 1$	138538	L644	09	
3815	$8233 \cdot 2^{460186} + 1$	138534	L813	09	
3816	$20152491645 \cdot 2^{460155} - 1$	138531	L268	07	
3817	$1725 \cdot 2^{460152} - 1$	138523	L698	09	
3818	$8385 \cdot 2^{460097} - 1$	138507	L251	09	
3819	$8775 \cdot 2^{460096} + 1$	138507	L721	09	
3820	$681 \cdot 2^{460099} - 1$	138507	L536	08	
3821	$8281 \cdot 2^{460076} + 1$	138501	L119	09	Generalized Fermat
3822	$1025 \cdot 2^{460038} - 1$	138489	L80	08	
3823	$3421 \cdot 2^{460036} + 1$	138489	L758	09	
3824	$163 \cdot 2^{460006} + 1$	138478	p43	05	
3825	$471 \cdot 2^{459963} + 1$	138466	L153	07	
3826	$1571 \cdot 2^{459950} - 1$	138462	L698	09	
3827	$3549 \cdot 2^{459936} - 1$	138459	L862	09	
3828	$599 \cdot 2^{459935} + 1$	138458	g68	07	
3829	$30015 \cdot 2^{459895} - 1$	138447	L251	09	
3830	$1511 \cdot 2^{459846} - 1$	138431	L257	08	
3831	$987 \cdot 2^{459838} - 1$	138429	L617	08	
3832	$4015 \cdot 2^{459806} + 1$	138420	L679	09	
3833	$8175 \cdot 2^{459761} + 1$	138406	L849	09	
3834	$597 \cdot 2^{459736} + 1$	138398	g387	06	
3835	$4685 \cdot 2^{459679} + 1$	138381	L813	09	
3836	$523 \cdot 2^{459675} - 1$	138379	L543	08	
3837	$411 \cdot 2^{459595} + 1$	138355	L153	07	
3838	$921 \cdot 2^{459593} + 1$	138355	L661	08	
3839	$893 \cdot 2^{459593} + 1$	138355	L659	08	
3840	$7245 \cdot 2^{459567} + 1$	138348	L692	09	
3841	$4393 \cdot 2^{459548} + 1$	138342	L679	09	
3842	$3203 \cdot 2^{459521} + 1$	138334	L687	09	Divides $GF(459520, 6)$
3843	$3291 \cdot 2^{459519} + 1$	138333	L679	09	
3844	$3175 \cdot 2^{459516} + 1$	138332	L887	09	
3845	$6945 \cdot 2^{459487} + 1$	138324	L886	09	

rank	description	digits	who	year	comment
3846	$12007 \cdot 2^{459457} - 1$	138315	L257	09	
3847	$8229 \cdot 2^{459429} + 1$	138306	L119	09	
3848	$6703 \cdot 2^{459370} + 1$	138288	L813	09	
3849	$185 \cdot 2^{459352} - 1$	138281	L145	06	
3850	$8403 \cdot 2^{459329} + 1$	138276	L689	09	
3851	$1735 \cdot 2^{459265} - 1$	138256	L698	09	
3852	$2613 \cdot 2^{459260} + 1$	138255	L710	09	
3853	$8727 \cdot 2^{459252} + 1$	138253	L679	09	
3854	$6525 \cdot 2^{459227} + 1$	138245	L189	09	
3855	$1125 \cdot 2^{459226} + 1$	138244	L635	08	
3856	$589 \cdot 2^{459218} + 1$	138242	L153	07	
3857	$345 \cdot 2^{459204} + 1$	138237	L153	07	
3858	$9465 \cdot 2^{459193} + 1$	138235	L717	09	
3859	$4743 \cdot 2^{459177} + 1$	138230	L679	09	
3860	$3385 \cdot 2^{459174} + 1$	138229	L685	09	
3861	$657 \cdot 2^{459161} - 1$	138225	L548	08	
3862	$5143 \cdot 2^{459142} + 1$	138220	L846	09	
3863	$6191 \cdot 2^{459141} + 1$	138220	g313	05	
3864	$29925 \cdot 2^{459135} - 1$	138218	L268	09	
3865	$143 \cdot 2^{459093} + 1$	138203	p149	06	
3866	$61813 \cdot 172^{61813} + 1$	138190	g407	07	Generalized Cullen
3867	$1469 \cdot 2^{459017} + 1$	138182	p240	09	
3868	$245 \cdot 2^{458995} + 1$	138174	L153	07	
3869	$7423 \cdot 2^{458982} + 1$	138172	L717	09	
3870	$979 \cdot 2^{458927} - 1$	138154	L548	08	
3871	$9603 \cdot 2^{458884} + 1$	138142	L679	09	
3872	$3705 \cdot 2^{458865} + 1$	138136	L896	09	
3873	$1407 \cdot 2^{458863} + 1$	138135	p161	08	
3874	$6903 \cdot 2^{458845} + 1$	138130	L813	09	
3875	$2847 \cdot 2^{458835} + 1$	138127	L877	09	
3876	$4571 \cdot 2^{458825} + 1$	138124	L836	09	
3877	$3533 \cdot 2^{458773} + 1$	138108	L656	09	
3878	$97305 \cdot 2^{458767} - 1$	138108	L251	09	
3879	$8269 \cdot 2^{458758} + 1$	138104	L813	09	
3880	$2339 \cdot 2^{458741} + 1$	138099	L877	09	
3881	$45 \cdot 2^{458712} + 1$	138088	L170	07	Divides $GF(458709, 5)$, $GF(458710, 6)$ [K]
3882	$8593 \cdot 2^{458696} + 1$	138086	L877	09	
3883	$3263 \cdot 2^{458693} + 1$	138084	L651	09	
3884	$1995 \cdot 2^{458684} - 1$	138081	L698	09	
3885	$9095 \cdot 2^{458681} + 1$	138081	L884	09	
3886	$1613 \cdot 2^{458669} + 1$	138077	p161	08	
3887	$2211 \cdot 2^{458653} + 1$	138072	L858	09	
3888	$6425 \cdot 2^{458651} + 1$	138072	L885	09	
3889	$6741 \cdot 2^{458625} + 1$	138064	L883	09	
3890	$1403 \cdot 2^{458616} - 1$	138061	L566	09	
3891	$8291 \cdot 2^{458559} + 1$	138044	L119	09	
3892	$675 \cdot 2^{458557} - 1$	138043	L79	07	
3893	$1429 \cdot 2^{458533} - 1$	138036	L698	09	
3894	$555555 \cdot 2^{458524} - 1$	138036	L862	09	

rank	description	digits	who	year	comment
3895	$6119 \cdot 2^{458529} + 1$	138035	L119	09	
3896	$20030919 \cdot 2^{458436} - 1$	138011	g344	05	
3897	$9747 \cdot 2^{458427} + 1$	138005	L813	09	
3898	$1457 \cdot 2^{458415} + 1$	138000	p161	08	
3899	$8257 \cdot 2^{458392} + 1$	137994	L813	09	
3900	$111382 \cdot 5^{197410} + 1$	137989	p215	06	
3901	$23 \cdot 2^{458362} - 1$	137983	L50	04	
3902	$8225 \cdot 2^{458349} + 1$	137981	L119	09	
3903	$3249 \cdot 2^{458330} + 1$	137975	L651	09	Generalized Fermat
3904	$181 \cdot 2^{458303} - 1$	137966	L145	06	
3905	$2335 \cdot 2^{458284} + 1$	137961	L692	09	
3906	$274275 \cdot 2^{458258} - 1$	137955	L180	06	
3907	$939 \cdot 2^{458239} - 1$	137947	L548	08	
3908	$9345 \cdot 2^{458225} + 1$	137944	L691	09	
3909	$4713 \cdot 2^{458188} + 1$	137933	L758	09	
3910	$2165 \cdot 2^{458181} + 1$	137930	g380	09	
3911	$6703 \cdot 2^{458162} + 1$	137925	L881	09	
3912	$6303 \cdot 2^{458154} + 1$	137922	L882	09	
3913	$9065 \cdot 2^{458121} + 1$	137913	L668	09	
3914	$2375 \cdot 2^{458117} + 1$	137911	L889	09	
3915	$6835 \cdot 2^{458114} + 1$	137910	L687	09	
3916	$975 \cdot 2^{458098} - 1$	137905	L585	08	
3917	$6065 \cdot 2^{458094} - 1$	137904	L282	09	
3918	$169 \cdot 2^{458099} - 1$	137904	L145	06	
3919	$5917 \cdot 2^{458062} + 1$	137895	L119	09	
3920	$7033 \cdot 2^{458052} + 1$	137892	L687	09	
3921	$9999 \cdot 2^{458051} + 1$	137892	L635	09	
3922	$989 \cdot 2^{458035} + 1$	137886	L635	08	
3923	$2301 \cdot 2^{458019} + 1$	137881	L651	09	
3924	$6515 \cdot 2^{458011} + 1$	137879	L879	09	
3925	$3569 \cdot 2^{458000} - 1$	137876	L862	09	
3926	$7181 \cdot 2^{457975} + 1$	137869	L654	09	
3927	$609 \cdot 2^{457969} + 1$	137866	L664	08	
3928	$19911001 \cdot 2^{457932} + 1$	137859	g369	05	
3929	$5345 \cdot 2^{457893} + 1$	137844	L846	09	
3930	$629 \cdot 2^{457877} + 1$	137838	L656	08	
3931	$9465 \cdot 2^{457868} + 1$	137836	L878	09	
3932	$1411 \cdot 2^{457828} + 1$	137824	p161	08	
3933	$26565 \cdot 2^{457815} - 1$	137821	L644	09	
3934	$4055 \cdot 2^{457809} + 1$	137818	L679	09	
3935	$8611 \cdot 2^{457804} + 1$	137817	L687	09	
3936	$413 \cdot 2^{457801} + 1$	137815	L153	07	
3937	$9583 \cdot 2^{457758} + 1$	137803	L766	09	
3938	$5135 \cdot 2^{457731} + 1$	137795	L813	09	
3939	$2121 \cdot 2^{457724} + 1$	137792	g380	08	
3940	$461 \cdot 2^{457718} - 1$	137790	L617	08	
3941	$4115 \cdot 2^{457703} + 1$	137786	L687	09	
3942	$1823 \cdot 2^{457696} - 1$	137784	L548	09	
3943	$869688105 \cdot 2^{457651} - 1$	137776	L139	05	
3944	$403 \cdot 2^{457660} + 1$	137772	L153	07	

rank	description	digits	who	year	comment
3945	$1069 \cdot 2^{457657} - 1$	137772	L80	08	
3946	$2775 \cdot 2^{457647} - 1$	137769	L323	09	
3947	$8409 \cdot 2^{457645} + 1$	137769	L679	09	
3948	$1165 \cdot 2^{457623} - 1$	137762	L80	08	
3949	$201193 \cdot 2^{457615} - 1$	137762	g76	03	
3950	$3393 \cdot 2^{457596} + 1$	137754	L833	09	
3951	$52654604145 \cdot 2^{457564} - 1$	137752	L268	07	
3952	$3847 \cdot 2^{457514} + 1$	137730	L790	09	
3953	$3967 \cdot 2^{457506} + 1$	137727	L764	09	
3954	$8359 \cdot 2^{457502} + 1$	137726	L707	09	
3955	$5055 \cdot 2^{457502} + 1$	137726	L877	09	
3956	$1669 \cdot 2^{457493} - 1$	137723	L548	09	
3957	$5475 \cdot 2^{457480} + 1$	137719	L877	09	
3958	$597 \cdot 2^{457470} + 1$	137715	g387	06	
3959	$7485 \cdot 2^{457462} + 1$	137714	L764	09	
3960	$1551 \cdot 2^{457447} + 1$	137709	p240	09	
3961	$829013 \cdot 2^{457421} + 1$	137704	g156	05	
3962	$7003 \cdot 2^{457422} + 1$	137702	L764	09	
3963	$3495 \cdot 2^{457410} + 1$	137698	L692	09	
3964	$9405 \cdot 2^{457391} - 1$	137693	L644	09	
3965	$3111 \cdot 2^{457383} + 1$	137690	L875	09	
3966	$8019 \cdot 2^{457363} + 1$	137684	L119	09	
3967	$6837 \cdot 2^{457347} + 1$	137680	L890	09	
3968	$1955 \cdot 2^{457290} - 1$	137662	L698	09	
3969	$763094475 \cdot 2^{457258} - 1$	137658	L545	08	
3970	$3657 \cdot 2^{457261} - 1$	137653	L862	09	
3971	$1761 \cdot 2^{457262} - 1$	137653	L698	09	
3972	$6681 \cdot 2^{457241} + 1$	137648	L873	09	
3973	$6765 \cdot 2^{457226} + 1$	137643	L764	09	
3974	$9903 \cdot 2^{457194} + 1$	137634	L853	09	
3975	$5501 \cdot 2^{457187} + 1$	137631	L687	09	
3976	$735 \cdot 2^{457145} - 1$	137618	g172	06	
3977	$21525 \cdot 2^{457089} - 1$	137602	L251	09	
3978	$6813 \cdot 2^{457069} + 1$	137596	L685	09	
3979	$5023 \cdot 2^{457054} + 1$	137591	L679	09	
3980	$7169 \cdot 2^{457005} + 1$	137577	L679	09	
3981	$85807 \cdot 2^{456977} - 1$	137569	L421	08	
3982	$6111 \cdot 2^{456954} - 1$	137561	L282	09	
3983	$25077 \cdot 2^{456924} - 1$	137553	L621	09	
3984	$1221 \cdot 2^{456885} - 1$	137540	L80	08	
3985	$4117 \cdot 2^{456866} + 1$	137534	L672	09	
3986	$6329 \cdot 2^{456847} + 1$	137529	L679	09	
3987	$6155 \cdot 2^{456845} + 1$	137528	L672	09	
3988	$211 \cdot 2^{456840} + 1$	137525	g233	06	
3989	$1097 \cdot 2^{456831} + 1$	137523	L635	08	
3990	$2741 \cdot 2^{456811} + 1$	137518	L871	09	
3991	$5025 \cdot 2^{456808} - 1$	137517	L323	09	
3992	$4158109 \cdot 2^{456789} - 1$	137514	L81	05	
3993	$3492781 \cdot 2^{456789} - 1$	137514	L81	05	
3994	$3435549 \cdot 2^{456789} - 1$	137514	L81	05	

rank	description	digits	who	year	comment
3995	$3364687 \cdot 2^{456789} - 1$	137514	L81	05	
3996	$2429977 \cdot 2^{456789} - 1$	137514	L81	05	
3997	$2250595 \cdot 2^{456789} - 1$	137514	L81	05	
3998	$1061839 \cdot 2^{456790} - 1769267 \cdot 2^{340000} - 1$	137514	p97	07	Arithmetic progression ($3, d = 1061839 \cdot 2^{456789} - 1769267 \cdot 2^{340000}$)
3999	$1687009 \cdot 2^{456789} - 1$	137514	L81	05	
4000	$355424355 \cdot 2^{456781} - 1$	137514	L87	05	
4001	$1337769 \cdot 2^{456789} - 1$	137514	L81	05	
4002	$1061839 \cdot 2^{456789} - 1$	137514	L81	05	Arithmetic progression ($2, d = 1061839 \cdot 2^{456789} - 1769267 \cdot 2^{340000}$)
4003	$1034731 \cdot 2^{456789} - 1$	137514	L81	05	
4004	$716125 \cdot 2^{456789} - 1$	137514	L81	05	
4005	$410895 \cdot 2^{456789} - 1$	137513	L81	05	
4006	$409099 \cdot 2^{456789} - 1$	137513	L81	05	
4007	$127756 \cdot 5^{196729} - 1$	137513	p204	07	
4008	$9765 \cdot 2^{456709} + 1$	137488	L679	09	
4009	$4377 \cdot 2^{456708} + 1$	137487	L872	09	Divides $GF(456707, 10)$
4010	$9243 \cdot 2^{456696} + 1$	137484	L849	09	
4011	$40006 \cdot 246005760^{16384} - 1$	137482	x37	08	
4012	$371343 \cdot 2^{456654} + 1$	137473	L682	09	
4013	$8981 \cdot 2^{456657} + 1$	137472	L675	09	
4014	$7023 \cdot 2^{456646} + 1$	137468	L119	09	
4015	$7467 \cdot 2^{456631} + 1$	137464	L685	09	
4016	$4767 \cdot 2^{456628} + 1$	137463	L751	09	
4017	$3909 \cdot 2^{456621} - 1$	137461	L874	09	
4018	$41117 \cdot 2^{456614} - 1$	137460	L6	05	
4019	$9879 \cdot 2^{456613} + 1$	137459	L679	09	
4020	$9825 \cdot 2^{456613} + 1$	137459	L685	09	
4021	$2651 \cdot 2^{456591} + 1$	137452	L692	09	
4022	$753 \cdot 2^{456579} - 1$	137447	L615	08	
4023	$3667 \cdot 2^{456569} - 1$	137445	L874	09	
4024	$4607 \cdot 2^{456547} + 1$	137439	L819	09	
4025	$827 \cdot 2^{456544} - 1$	137437	L615	08	
4026	$9557 \cdot 2^{456531} + 1$	137434	L661	09	
4027	$6723 \cdot 2^{456512} + 1$	137428	L714	09	
4028	$7443 \cdot 2^{456504} + 1$	137426	L714	09	
4029	$6951 \cdot 2^{456425} + 1$	137402	L679	09	
4030	$3597 \cdot 2^{456409} - 1$	137397	L862	09	
4031	$3525 \cdot 2^{456398} - 1$	137394	L874	09	
4032	$6465 \cdot 2^{456375} - 1$	137387	L20	08	
4033	$281 \cdot 2^{456377} + 1$	137386	g383	05	
4034	$6911 \cdot 2^{456345} + 1$	137378	L826	09	
4035	$2391 \cdot 2^{456317} + 1$	137369	L764	09	
4036	$2389 \cdot 2^{456310} + 1$	137367	L705	09	
4037	$5515 \cdot 2^{456292} + 1$	137362	L691	09	
4038	$7137 \cdot 2^{456275} + 1$	137357	L865	09	
4039	$2307 \cdot 2^{456263} + 1$	137353	L836	09	
4040	$18975 \cdot 2^{456235} - 1$	137345	L621	09	

rank	description	digits	who	year	comment
4041	$9861 \cdot 2^{456145} + 1$	137318	L847	09	
4042	$1069 \cdot 2^{456141} - 1$	137316	L80	08	
4043	$963 \cdot 2^{456107} - 1$	137305	L615	08	
4044	$5343 \cdot 2^{456104} + 1$	137305	L635	09	
4045	$9697 \cdot 2^{456094} + 1$	137302	L861	09	
4046	$2347 \cdot 2^{456024} + 1$	137281	L635	09	
4047	$439 \cdot 2^{456023} - 1$	137280	L330	08	
4048	$4717 \cdot 2^{456002} + 1$	137274	L635	09	
4049	$5979 \cdot 2^{455979} + 1$	137268	L692	09	
4050	$2057 \cdot 2^{455971} + 1$	137265	L855	09	
4051	$7949 \cdot 2^{455957} + 1$	137261	L813	09	
4052	$4521 \cdot 2^{455932} + 1$	137253	L692	09	
4053	$1725 \cdot 2^{455905} - 1$	137245	L698	09	
4054	$2683 \cdot 2^{455882} + 1$	137238	L692	09	
4055	$5675 \cdot 2^{455829} + 1$	137222	L869	09	
4056	$8641 \cdot 2^{455808} + 1$	137216	L692	09	
4057	$979 \cdot 2^{455801} - 1$	137213	L615	08	
4058	$6433 \cdot 2^{455780} + 1$	137208	L850	09	
4059	$3495 \cdot 2^{455769} + 1$	137204	L851	09	
4060	$2417 \cdot 2^{455751} + 1$	137199	L847	09	
4061	$279 \cdot 2^{455704} - 1$	137184	L148	07	
4062	$52654604145 \cdot 2^{455655} - 1$	137177	L268	07	
4063	$329 \cdot 2^{455645} + 1$	137166	L153	07	
4064	$3489 \cdot 2^{455615} + 1$	137158	L849	09	
4065	$5895 \cdot 2^{455575} + 1$	137146	L813	09	
4066	$75929 \cdot 2^{455568} - 1$	137145	p243	09	
4067	$3601 \cdot 2^{455551} - 1$	137139	L862	09	
4068	$5447 \cdot 2^{455483} + 1$	137118	L845	09	
4069	$9345 \cdot 2^{455480} - 1$	137118	L644	09	
4070	$6465 \cdot 2^{455435} + 1$	137104	g258	08	
4071	$6795 \cdot 2^{455356} + 1$	137080	L665	09	
4072	$1381 \cdot 2^{455340} + 1$	137075	L156	08	
4073	$3733 \cdot 2^{455334} + 1$	137073	L847	09	
4074	$6243 \cdot 2^{455282} - 1$	137058	L268	09	
4075	$779 \cdot 2^{455275} + 1$	137055	L635	08	
4076	$7995 \cdot 2^{455265} + 1$	137053	L654	09	
4077	$2043 \cdot 2^{455246} - 1$	137047	L251	08	
4078	$5129 \cdot 2^{455209} + 1$	137036	L717	09	
4079	$5277 \cdot 2^{455200} + 1$	137033	L679	09	
4080	$203 \cdot 2^{455190} - 1$	137029	L145	06	
4081	$5427 \cdot 2^{455174} + 1$	137025	L687	09	
4082	$6419 \cdot 2^{455157} + 1$	137020	L846	09	
4083	$6761 \cdot 2^{455155} + 1$	137020	L842	09	
4084	$3095 \cdot 2^{455127} + 1$	137011	L863	09	
4085	$7107 \cdot 2^{455106} + 1$	137005	L679	09	
4086	$31738 \cdot 5^{196001} - 1$	137004	p204	07	
4087	$7761 \cdot 2^{455083} + 1$	136998	L763	09	
4088	$4267 \cdot 2^{455082} + 1$	136997	L754	09	
4089	$213056 \cdot 5^{195968} - 1$	136982	p214	07	
4090	$5145 \cdot 2^{455016} + 1$	136978	L754	09	

rank	description	digits	who	year	comment
4091	$9209 \cdot 2^{455015} + 1$	136978	L672	09	
4092	$4995 \cdot 2^{455011} + 1$	136976	L763	09	
4093	$5397 \cdot 2^{455004} + 1$	136974	L869	09	
4094	$541 \cdot 2^{454960} + 1$	136960	L153	07	
4095	$76710 \cdot 61^{76710} + 1$	136958	g157	06	Generalized Cullen
4096	$2971 \cdot 2^{454928} + 1$	136951	L679	09	
4097	$2499 \cdot 2^{454927} + 1$	136951	L687	09	
4098	$1245 \cdot 2^{454928} - 1$	136951	L80	08	
4099	$1357 \cdot 2^{454900} + 1$	136942	L156	08	
4100	$2963 \cdot 2^{454841} + 1$	136925	L844	09	
4101	$1311 \cdot 2^{454816} + 1$	136917	L156	08	
4102	$5211 \cdot 2^{454800} + 1$	136913	L651	09	
4103	$8709 \cdot 2^{454797} + 1$	136912	L692	09	
4104	$2085 \cdot 2^{454753} - 1$	136898	L330	09	
4105	$8055 \cdot 2^{454747} - 1$	136897	L251	09	
4106	$5229 \cdot 2^{454725} + 1$	136890	L763	09	
4107	$7747 \cdot 2^{454708} + 1$	136885	L707	09	
4108	$3147 \cdot 2^{454676} + 1$	136875	L679	09	
4109	$15 \cdot 2^{454681} - 1$	136874	L52	04	
4110	$2941 \cdot 2^{454656} + 1$	136869	L813	09	
4111	$4835 \cdot 2^{454629} + 1$	136861	L679	09	
4112	$8019 \cdot 2^{454611} + 1$	136856	L635	09	
4113	$4245 \cdot 2^{454572} + 1$	136844	L692	09	
4114	$7657 \cdot 2^{454562} + 1$	136841	L635	09	
4115	$6325 \cdot 2^{454526} + 1$	136830	L635	09	
4116	$6127 \cdot 2^{454490} + 1$	136819	L853	09	
4117	$12753 \cdot 2^{454484} - 1$	136818	L268	09	
4118	$28571 \cdot 2^{454482} - 1$	136818	L257	09	
4119	$5621 \cdot 2^{454457} + 1$	136809	L705	09	
4120	$8913 \cdot 2^{454380} + 1$	136786	L635	09	
4121	$9387 \cdot 2^{454378} + 1$	136786	L687	09	
4122	$285 \cdot 2^{454378} + 1$	136784	L153	07	
4123	$7041 \cdot 2^{454319} + 1$	136768	L635	09	
4124	$2547 \cdot 2^{454308} - 1$	136764	L268	09	
4125	$6235 \cdot 2^{454258} + 1$	136750	L838	09	
4126	$39547695 \cdot 2^{454240} - 1$	136748	L277	08	
4127	$9933 \cdot 2^{454233} + 1$	136742	L687	09	
4128	$8039 \cdot 2^{454217} + 1$	136737	L782	09	
4129	$12345 \cdot 2^{454194} - 1$	136731	L183	06	
4130	$1491 \cdot 2^{454183} + 1$	136726	p240	09	
4131	$1917 \cdot 2^{454169} - 1$	136722	L701	09	
4132	$7605 \cdot 2^{454099} - 1$	136702	L638	08	
4133	$6235 \cdot 2^{454080} + 1$	136696	L635	09	
4134	$1845 \cdot 2^{454057} + 1$	136689	p240	08	
4135	$1523 \cdot 2^{454040} - 1$	136683	L257	08	
4136	$3909 \cdot 2^{454037} - 1$	136683	L862	09	
4137	$2197729 \cdot 2^{453993} - 1$	136672	L138	06	
4138	$2669 \cdot 2^{453989} + 1$	136668	L826	09	
4139	$7151 \cdot 2^{453971} + 1$	136663	L635	09	
4140	$9779 \cdot 2^{453939} + 1$	136654	L836	09	

rank	description	digits	who	year	comment
4141	$6615 \cdot 2^{453928} + 1$	136650	L707	09	
4142	$4821 \cdot 2^{453901} + 1$	136642	L833	09	
4143	$8589 \cdot 2^{453891} + 1$	136639	L656	09	
4144	$3179 \cdot 2^{453879} + 1$	136635	L679	09	
4145	$1435 \cdot 2^{453878} + 1$	136635	p161	08	
4146	$9735 \cdot 2^{453867} - 1$	136632	L644	09	
4147	$5739 \cdot 2^{453857} + 1$	136629	L119	09	
4148	$929 \cdot 2^{453847} + 1$	136625	L635	08	
4149	$883 \cdot 2^{453818} + 1$	136616	L635	08	
4150	$8575 \cdot 2^{453802} + 1$	136612	L656	09	
4151	$775 \cdot 2^{453795} - 1$	136609	L548	08	
4152	$6381 \cdot 2^{453756} + 1$	136598	L656	09	
4153	$8085 \cdot 2^{453745} + 1$	136595	L718	09	
4154	$3789 \cdot 2^{453697} - 1$	136580	L862	09	
4155	$755 \cdot 2^{453695} + 1$	136579	L655	08	
4156	$4035 \cdot 2^{453684} + 1$	136577	L831	09	
4157	$9015 \cdot 2^{453672} - 1$	136573	L251	09	
4158	$1185 \cdot 2^{453669} + 1$	136572	L156	08	
4159	$16665 \cdot 2^{453665} - 1$	136571	L268	09	
4160	$1221 \cdot 2^{453651} + 1$	136566	L156	08	
4161	$981 \cdot 2^{453605} + 1$	136552	L635	08	
4162	$6035 \cdot 2^{453592} - 1$	136549	L282	09	
4163	$8063 \cdot 2^{453497} + 1$	136521	L714	09	
4164	$(2^{226749} - 1)^2 - 2$	136517	p103	05	
4165	$1893 \cdot 2^{453455} - 1$	136507	L698	09	
4166	$65 \cdot 2^{453455} + 1$	136506	g381	05	
4167	$3295 \cdot 2^{453424} + 1$	136498	L813	09	
4168	$167246 \cdot 5^{195250} - 1$	136480	p204	07	
4169	$927 \cdot 2^{453333} - 1$	136470	L548	08	
4170	$7281 \cdot 2^{453321} + 1$	136468	L827	09	
4171	$2775 \cdot 2^{453293} - 1$	136459	L268	09	
4172	$7233 \cdot 2^{453284} + 1$	136456	L826	09	
4173	$841 \cdot 2^{453236} + 1$	136441	L635	08	Generalized Fermat
4174	$4535 \cdot 2^{453223} + 1$	136438	L635	09	
4175	$3473 \cdot 2^{453193} + 1$	136429	L761	09	
4176	$1949 \cdot 2^{453167} + 1$	136421	p161	08	
4177	$6321 \cdot 2^{453116} + 1$	136406	L837	09	
4178	$8913 \cdot 2^{453098} + 1$	136401	L656	09	
4179	$1711 \cdot 2^{453095} - 1$	136399	L698	09	
4180	$6065 \cdot 2^{453071} + 1$	136392	L687	09	
4181	$735 \cdot 2^{453063} + 1$	136389	L659	08	
4182	$3234846615 \cdot 2^{453034} - 1$	136387	p113	04	
4183	$7117 \cdot 2^{453000} + 1$	136371	L656	09	
4184	$9867 \cdot 2^{452980} + 1$	136365	L692	09	
4185	$6465 \cdot 2^{452960} + 1$	136359	g258	08	
4186	$8265 \cdot 2^{452947} + 1$	136355	L673	09	
4187	$8879 \cdot 2^{452939} + 1$	136353	L692	09	
4188	$1911 \cdot 2^{452921} - 1$	136347	L698	09	
4189	$9999 \cdot 2^{452916} - 1$	136346	L268	09	
4190	$1909 \cdot 2^{452845} - 1$	136324	L698	09	

rank	description	digits	who	year	comment
4191	$3947 \cdot 2^{452830} - 1$	136320	L862	09	
4192	$25905 \cdot 2^{452762} - 1$	136300	L251	09	
4193	$2193 \cdot 2^{452764} + 1$	136299	L681	09	
4194	$9669 \cdot 2^{452707} + 1$	136283	L635	09	
4195	$12045 \cdot 2^{452687} - 1$	136277	L323	09	
4196	$2331 \cdot 2^{452663} + 1$	136269	L685	09	
4197	$6297 \cdot 2^{452634} - 1$	136261	L268	09	
4198	$196304!_7 + 1$	136256	p3	09	Multifactorial
4199	$6163 \cdot 2^{452615} - 1$	136255	L282	09	
4200	$5049 \cdot 2^{452511} + 1$	136224	L635	09	
4201	$4919 \cdot 2^{452479} + 1$	136214	L689	09	
4202	$7089 \cdot 2^{452466} + 1$	136210	L859	09	
4203	$855 \cdot 2^{452455} + 1$	136206	L80	07	
4204	$2811 \cdot 2^{452433} + 1$	136200	L31	07	
4205	$7483 \cdot 2^{452422} + 1$	136197	L810	09	
4206	$6145 \cdot 2^{452419} - 1$	136196	L282	09	
4207	$4169 \cdot 2^{452405} + 1$	136192	L839	09	
4208	$1465 \cdot 2^{452406} + 1$	136191	p240	08	
4209	$9495 \cdot 2^{452399} + 1$	136190	L858	09	
4210	$7363 \cdot 2^{452374} + 1$	136183	L119	09	
4211	$2079 \cdot 2^{452374} + 1$	136182	L813	09	
4212	$2195 \cdot 2^{452369} + 1$	136180	L812	09	
4213	$701 \cdot 2^{452363} + 1$	136178	L635	08	
4214	$9943 \cdot 2^{452354} + 1$	136177	L852	09	
4215	$7911 \cdot 2^{452348} + 1$	136175	L702	09	
4216	$9291 \cdot 2^{452332} + 1$	136170	L672	09	
4217	$3771 \cdot 2^{452316} + 1$	136165	L822	09	
4218	$25077 \cdot 2^{452305} - 1$	136162	L323	09	
4219	$9735 \cdot 2^{452280} + 1$	136154	L832	09	
4220	$7491 \cdot 2^{452265} + 1$	136150	L763	09	
4221	$2733 \cdot 2^{452240} + 1$	136142	L815	09	
4222	$7661 \cdot 2^{452193} + 1$	136128	L790	09	
4223	$5115 \cdot 2^{452155} + 1$	136116	L679	09	
4224	$3011 \cdot 2^{452141} + 1$	136112	L31	08	
4225	$7109 \cdot 2^{452139} + 1$	136112	L824	09	
4226	$7689 \cdot 2^{452133} + 1$	136110	L635	09	
4227	$1157 \cdot 2^{452134} - 1$	136109	L80	07	
4228	$6693 \cdot 2^{452116} + 1$	136105	L635	09	
4229	$7557 \cdot 2^{452115} + 1$	136105	L880	09	
4230	$8715 \cdot 2^{452094} + 1$	136098	L684	09	
4231	$2445 \cdot 2^{452044} - 1$	136083	L268	09	
4232	$6089 \cdot 2^{452041} + 1$	136082	L734	09	
4233	$6295 \cdot 2^{452038} + 1$	136081	L811	09	
4234	$5749 \cdot 2^{452010} + 1$	136073	L635	09	
4235	$5723 \cdot 2^{451985} + 1$	136065	L635	09	
4236	$5527 \cdot 2^{451966} + 1$	136060	L679	09	
4237	$986963835 \cdot 2^{451943} + 1$	136058	g368	04	
4238	$515106735 \cdot 2^{451876} - 1$	136037	L87	05	
4239	$1653 \cdot 2^{451884} + 1$	136034	p161	08	
4240	$1001 \cdot 2^{451875} + 1$	136031	L156	08	

rank	description	digits	who	year	comment
4241	$6973 \cdot 2^{451858} + 1$	136027	L814	09	
4242	$9473 \cdot 2^{451857} + 1$	136027	L687	09	
4243	$5145 \cdot 2^{451849} + 1$	136024	L815	09	
4244	$6663 \cdot 2^{451846} + 1$	136024	L702	09	
4245	$3351 \cdot 2^{451825} + 1$	136017	L837	09	
4246	$6883 \cdot 2^{451800} + 1$	136010	L815	09	
4247	$2277 \cdot 2^{451798} + 1$	136009	L635	09	
4248	$5047 \cdot 2^{451772} + 1$	136001	L651	09	
4249	$265 \cdot 2^{451724} + 1$	135985	L153	07	
4250	$6729 \cdot 2^{451691} + 1$	135977	L835	09	
4251	$2465 \cdot 2^{451689} + 1$	135976	L721	09	
4252	$515 \cdot 2^{451661} + 1$	135967	L153	07	
4253	$8459 \cdot 2^{451635} + 1$	135960	L856	09	
4254	$6555 \cdot 2^{451634} - 1$	135960	L323	09	
4255	$4807 \cdot 2^{451632} + 1$	135959	L635	09	
4256	$8215 \cdot 2^{451612} + 1$	135953	L689	09	
4257	$1179 \cdot 2^{451610} + 1$	135952	g387	05	
4258	$5915 \cdot 2^{451575} + 1$	135942	L754	09	
4259	$5691 \cdot 2^{451560} + 1$	135937	L830	09	
4260	$3451 \cdot 2^{451511} - 1$	135922	L862	09	
4261	$1855 \cdot 2^{451392} + 1$	135886	p240	09	
4262	$3963 \cdot 2^{451390} + 1$	135886	L825	09	
4263	$9283 \cdot 2^{451384} + 1$	135885	L635	09	
4264	$4893 \cdot 2^{451364} + 1$	135878	L635	09	
4265	$139 \cdot 2^{451367} - 1$	135878	L442	07	
4266	$3027 \cdot 2^{451352} + 1$	135874	L635	09	
4267	$23805 \cdot 2^{451349} - 1$	135874	L323	09	
4268	$4787 \cdot 2^{451211} + 1$	135832	L719	09	
4269	$525 \cdot 2^{451210} - 1$	135831	L79	07	
4270	$4431 \cdot 2^{451183} + 1$	135824	L685	09	
4271	$3275 \cdot 2^{451141} + 1$	135811	L679	09	
4272	$785 \cdot 2^{451142} - 1$	135811	L536	08	
4273	$8195 \cdot 2^{451107} + 1$	135801	L675	09	
4274	$5385 \cdot 2^{451087} - 1$	135795	L123	06	
4275	$7791 \cdot 2^{451061} + 1$	135787	L844	09	
4276	$987 \cdot 2^{451058} + 1$	135785	L754	08	
4277	$7327 \cdot 2^{451054} + 1$	135785	L721	09	
4278	$9899 \cdot 2^{451053} + 1$	135785	L774	09	
4279	$611325 \cdot 2^{451022} + 1$	135777	g305	04	
4280	$2853 \cdot 2^{451010} + 1$	135771	L857	09	
4281	$5185 \cdot 2^{451006} + 1$	135771	L837	09	
4282	$7911 \cdot 2^{451005} + 1$	135770	L635	09	
4283	$7767 \cdot 2^{451003} + 1$	135770	L754	09	
4284	$8345 \cdot 2^{450995} + 1$	135767	L774	09	
4285	$1065 \cdot 2^{450932} - 1$	135748	L80	08	
4286	$2703 \cdot 2^{450873} + 1$	135730	L735	09	
4287	$3095 \cdot 2^{450867} + 1$	135728	L854	09	
4288	$875 \cdot 2^{450848} - 1$	135722	L576	08	
4289	$9555 \cdot 2^{450829} - 1$	135718	L644	09	
4290	$7919 \cdot 2^{450789} + 1$	135705	L819	09	

rank	description	digits	who	year	comment
4291	$25077 \cdot 2^{450772} - 1$	135701	L866	09	
4292	$255 \cdot 2^{450762} - 1$	135696	g320	05	
4293	$527 \cdot 2^{450695} + 1$	135676	L153	07	
4294	$6133 \cdot 2^{450658} + 1$	135666	L799	09	
4295	$37850187375 \cdot 2^{450597} - 1$	135654	L257	08	
4296	$9087 \cdot 2^{450559} + 1$	135636	L758	09	
4297	$12345 \cdot 2^{450486} - 1$	135614	L183	06	
4298	$3973 \cdot 2^{450470} + 1$	135609	L679	09	
4299	$47 \cdot 2^{450470} - 1$	135607	L38	04	
4300	$2187 \cdot 2^{450438} + 1$	135599	L702	09	
4301	$57 \cdot 2^{450430} - 1$	135595	L171	06	
4302	$7299 \cdot 2^{450393} + 1$	135586	L808	09	
4303	$7021 \cdot 2^{450372} + 1$	135580	L778	09	
4304	$9147 \cdot 2^{450310} + 1$	135561	L686	09	
4305	$119098 \cdot 5^{193933} - 1$	135559	p196	07	
4306	$4137 \cdot 2^{450291} + 1$	135555	L717	09	
4307	$8513 \cdot 2^{450289} + 1$	135555	L656	09	
4308	$887 \cdot 2^{450283} + 1$	135552	L654	08	
4309	$150083 \cdot 2^{450252} - 1$	135545	p77	09	
4310	$17295 \cdot 2^{450249} - 1$	135543	L251	09	
4311	$1497 \cdot 2^{450239} + 1$	135539	p240	09	
4312	$1953 \cdot 2^{450228} - 1$	135536	L698	09	
4313	$921 \cdot 2^{450221} + 1$	135533	L635	08	
4314	$1939 \cdot 2^{450199} - 1$	135527	L698	09	
4315	$8679 \cdot 2^{450161} + 1$	135516	L728	09	
4316	$255 \cdot 2^{450144} - 1$	135510	g320	05	
4317	$3727 \cdot 2^{450134} + 1$	135508	L828	09	
4318	$2093 \cdot 2^{450133} + 1$	135507	L687	09	
4319	$6775 \cdot 2^{450118} + 1$	135503	L687	09	
4320	$5749 \cdot 2^{450106} + 1$	135500	L679	09	
4321	$8495 \cdot 2^{450103} + 1$	135499	L774	09	
4322	$1291 \cdot 2^{450059} - 1$	135485	L80	07	
4323	$3659 \cdot 2^{450043} + 1$	135481	L656	09	
4324	$6879 \cdot 2^{450015} + 1$	135472	L782	09	
4325	$18065319 \cdot 2^{450001} - 1$	135472	L465	09	
4326	$19983177 \cdot 2^{450000} - 1$	135471	L465	08	
4327	$7510869 \cdot 2^{450001} - 1$	135471	L465	08	
4328	$2906493 \cdot 2^{450000} - 1$	135470	L465	07	
4329	$3485 \cdot 2^{449996} - 1$	135466	L862	09	
4330	$2625 \cdot 2^{449993} + 1$	135465	L635	09	
4331	$1133 \cdot 2^{449964} - 1$	135456	L80	07	
4332	$1691 \cdot 2^{449943} + 1$	135450	p161	08	
4333	$353 \cdot 2^{449918} - 1$	135442	L566	08	
4334	$445 \cdot 2^{449804} + 1$	135408	L203	07	
4335	$211 \cdot 2^{449788} + 1$	135403	g233	06	
4336	$2187 \cdot 2^{449776} - 1$	135400	L466	09	
4337	$1751 \cdot 2^{449717} + 1$	135382	p240	09	
4338	$749 \cdot 2^{449713} + 1$	135380	p161	08	
4339	$3777 \cdot 2^{449702} - 1$	135378	L862	09	
4340	$Phi(3, -13510^{16384})$	135354	f4	04	Generalized unique

rank	description	digits	who	year	comment
4341	$1329 \cdot 2^{449547} - 1$	135331	L80	07	
4342	$351 \cdot 2^{449453} + 1$	135302	g267	05	
4343	$191 \cdot 2^{449381} + 1$	135280	L57	08	
4344	$1217 \cdot 2^{449344} - 1$	135270	L80	07	
4345	$637 \cdot 2^{449304} + 1$	135257	p161	08	
4346	$2995125705 \cdot 2^{449154} - 1$	135219	L32	04	
4347	$775 \cdot 2^{449151} - 1$	135211	L576	08	
4348	$3335 \cdot 2^{449116} - 1$	135201	L261	07	
4349	$1195 \cdot 2^{449037} - 1$	135177	L80	07	
4350	$789 \cdot 2^{449009} - 1$	135169	L576	08	
4351	$8145 \cdot 2^{448953} - 1$	135153	L644	09	
4352	$981 \cdot 2^{448948} + 1$	135150	p161	08	
4353	$63 \cdot 2^{448833} + 1$	135114	p114	04	
4354	$671 \cdot 2^{448822} - 1$	135112	L576	08	
4355	$1503 \cdot 2^{448800} + 1$	135106	p161	08	
4356	$1737 \cdot 2^{448789} - 1$	135103	L555	09	
4357	$6129 \cdot 2^{448763} - 1$	135095	L621	09	
4358	$172127 \cdot 2^{448743} + 1$	135091	p132	04	
4359	$875 \cdot 2^{448648} - 1$	135060	L576	08	
4360	$801 \cdot 2^{448596} + 1$	135044	p161	08	
4361	$957 \cdot 2^{448584} + 1$	135041	p161	08	
4362	$6335 \cdot 2^{448572} - 1$	135038	L251	09	
4363	$22066791 \cdot 2^{448546} - 1$	135034	g276	05	
4364	$1587 \cdot 2^{448493} - 1$	135014	L257	08	
4365	$3819 \cdot 2^{448455} - 1$	135002	L862	09	
4366	$2943 \cdot 2^{448416} - 1$	134991	L698	09	
4367	$1729 \cdot 2^{448341} - 1$	134968	L701	09	
4368	$7844265 \cdot 2^{448314} + 1$	134963	g336	04	
4369	$9991 \cdot 2^{448316} + 1$	134961	g313	06	
4370	$9991 \cdot 2^{448284} + 1$	134951	g313	06	
4371	$625 \cdot 2^{448261} - 1$	134943	L576	08	
4372	$29925 \cdot 2^{448240} - 1$	134939	L268	09	
4373	$9015 \cdot 2^{448216} - 1$	134931	L257	09	
4374	$281 \cdot 2^{448129} + 1$	134903	g383	05	
4375	$467 \cdot 2^{448120} - 1$	134901	L615	08	
4376	$111 \cdot 2^{448102} - 1$	134895	L91	05	
4377	$3861 \cdot 2^{448050} - 1$	134881	L862	09	
4378	$1427 \cdot 2^{448027} + 1$	134873	p161	08	
4379	$675 \cdot 2^{447966} + 1$	134855	p161	08	
4380	$6837 \cdot 2^{447958} - 1$	134853	L862	09	
4381	$987 \cdot 2^{447923} + 1$	134842	p161	08	
4382	$22932195 \cdot 2^{447864} - 1$	134828	L138	06	
4383	$475 \cdot 2^{447826} + 1$	134812	L203	07	
4384	$3713 \cdot 2^{447768} - 1$	134796	L862	09	
4385	$1285 \cdot 2^{447718} + 1$	134780	L156	08	
4386	$3113 \cdot 2^{447680} - 1$	134769	L769	09	
4387	$793 \cdot 2^{447604} + 1$	134746	p161	08	
4388	$34252725 \cdot 2^{447553} - 1$	134735	p113	05	
4389	$1593 \cdot 2^{447565} + 1$	134734	p161	08	
4390	$689 \cdot 2^{447551} + 1$	134730	p161	08	

rank	description	digits	who	year	comment
4391	$21825 \cdot 2^{447542} - 1$	134728	L251	09	
4392	$453 \cdot 2^{447535} - 1$	134725	L576	08	
4393	$885 \cdot 2^{447527} + 1$	134722	p161	08	
4394	$6477 \cdot 2^{447481} - 1$	134710	L874	09	
4395	$1287 \cdot 2^{447434} - 1$	134695	L80	07	
4396	$469 \cdot 2^{447377} - 1$	134677	L615	08	
4397	$1847 \cdot 2^{447338} - 1$	134666	L698	09	
4398	$3495 \cdot 2^{447334} - 1$	134665	L862	09	
4399	$161 \cdot 2^{447330} - 1$	134662	L63	06	
4400	$477 \cdot 2^{447278} + 1$	134647	L203	07	
4401	$6923 \cdot 2^{447202} - 1$	134626	L874	09	
4402	$3841 \cdot 2^{447195} - 1$	134623	L862	09	
4403	$1345 \cdot 2^{447188} + 1$	134621	L156	08	
4404	$1939 \cdot 2^{447122} + 1$	134601	p240	08	
4405	$1041 \cdot 2^{447101} - 1$	134594	L80	07	
4406	$8745 \cdot 2^{447093} - 1$	134593	L644	09	
4407	$27676 \cdot 5^{192546} + 1$	134589	p215	06	
4408	$6441 \cdot 2^{447065} - 1$	134584	L862	09	
4409	$1047 \cdot 2^{447016} + 1$	134569	L156	08	
4410	$9465 \cdot 2^{446993} - 1$	134563	L644	09	
4411	$1615 \cdot 2^{446908} + 1$	134536	p161	08	
4412	$978847155 \cdot 2^{446715} - 1$	134484	L58	07	
4413	$1701 \cdot 2^{446731} + 1$	134483	p161	08	
4414	$181754 \cdot 5^{192382} - 1$	134475	p196	07	
4415	$446693 \cdot 2^{446694} - 1$	134474	p103	08	
4416	$591 \cdot 2^{446597} + 1$	134442	g68	07	
4417	$1531 \cdot 2^{446563} - 1$	134433	L548	09	
4418	$6959 \cdot 2^{446452} - 1$	134400	L874	09	
4419	$2137 \cdot 2^{446360} + 1$	134372	g380	08	
4420	$3965 \cdot 2^{446324} - 1$	134361	L862	09	
4421	$1677 \cdot 2^{446314} + 1$	134358	p161	08	
4422	$525 \cdot 2^{446286} - 1$	134349	L79	07	
4423	$3591 \cdot 2^{446169} - 1$	134314	L862	09	
4424	$225 \cdot 2^{446165} + 1$	134312	p43	05	
4425	$12097 \cdot 2^{446141} - 1$	134306	L268	09	
4426	$499\#/97\# \cdot 2^{445509} - 1$	134282	x37	08	
4427	$13845 \cdot 2^{445995} - 1$	134263	L251	09	
4428	$58695 \cdot 2^{445992} - 1$	134262	L261	07	
4429	$1245 \cdot 2^{445973} - 1$	134255	L80	07	
4430	$4935 \cdot 2^{445949} - 1$	134248	L323	09	
4431	$799 \cdot 2^{445902} + 1$	134233	p161	08	
4432	$593 \cdot 2^{445880} - 1$	134227	L615	08	
4433	$1763 \cdot 2^{445858} - 1$	134220	L698	09	
4434	$1387 \cdot 2^{445814} + 1$	134207	L156	08	
4435	$5655 \cdot 2^{445769} - 1$	134194	L268	08	
4436	$8081 \cdot 2^{445766} - 1$	134193	L621	09	
4437	$1811 \cdot 2^{445730} - 1$	134182	L698	09	
4438	$3155 \cdot 2^{445682} - 1$	134168	L585	09	
4439	$6477 \cdot 2^{445537} - 1$	134124	L874	09	
4440	$1645 \cdot 2^{445520} + 1$	134119	p161	08	

rank	description	digits	who	year	comment
4441	$1533 \cdot 2^{445512} - 1$	134116	L257	08	
4442	$6121 \cdot 2^{445501} - 1$	134113	L621	09	
4443	$3649 \cdot 2^{445431} - 1$	134092	L862	09	
4444	$58695 \cdot 2^{445378} - 1$	134077	L261	07	
4445	$62378 \cdot 141^{62378} + 1$	134069	g407	07	Generalized Cullen
4446	$405 \cdot 2^{445231} - 1$	134031	L282	07	
4447	$6407 \cdot 2^{445222} - 1$	134029	L874	09	
4448	$83 \cdot 2^{445205} + 1$	134022	p189	06	
4449	$915 \cdot 2^{445192} - 1$	134020	L542	08	
4450	$6737 \cdot 2^{445158} - 1$	134010	L874	09	
4451	$1293 \cdot 2^{445150} + 1$	134007	L156	08	
4452	$1095 \cdot 2^{445139} - 1$	134004	L80	07	
4453	$1965 \cdot 2^{445060} - 1$	133980	L698	09	
4454	$29835 \cdot 2^{445046} + 1$	133977	L116	09	
4455	$1803 \cdot 2^{445028} - 1$	133971	L548	09	
4456	$2385 \cdot 2^{444970} - 1$	133953	L18	08	
4457	$3003 \cdot 2^{444936} - 1$	133943	L615	09	
4458	$3755 \cdot 2^{444922} - 1$	133939	L862	09	
4459	$425 \cdot 2^{444896} - 1$	133930	g276	05	
4460	$1393 \cdot 2^{444892} + 1$	133929	L156	08	
4461	$911 \cdot 2^{444886} - 1$	133927	L615	08	
4462	$823 \cdot 2^{444851} - 1$	133917	L576	08	
4463	$657 \cdot 2^{444784} - 1$	133897	L615	08	
4464	$27615 \cdot 2^{444763} - 1$	133892	L251	09	
4465	$805 \cdot 2^{444693} - 1$	133869	L543	08	
4466	$3533 \cdot 2^{444620} - 1$	133848	L862	09	
4467	$27 \cdot 2^{444622} - 1$	133846	L1	04	
4468	$6341 \cdot 2^{444610} - 1$	133845	L251	09	
4469	$579 \cdot 2^{444561} + 1$	133829	g399	06	
4470	$27820515 \cdot 2^{444444} - 1$	133799	L284	08	
4471	$14866065 \cdot 2^{444444} - 1$	133799	L284	08	
4472	$9088413 \cdot 2^{444444} - 1$	133798	L284	08	
4473	$4197423 \cdot 2^{444444} - 1$	133798	L81	06	
4474	$3945783 \cdot 2^{444444} - 1$	133798	L81	06	
4475	$3743373 \cdot 2^{444444} - 1$	133798	L81	06	
4476	$3339599 \cdot 2^{444444} - 1$	133798	L81	06	
4477	$3259085 \cdot 2^{444444} - 1$	133798	L81	06	
4478	$3134193 \cdot 2^{444444} - 1$	133798	L81	06	
4479	$2626433 \cdot 2^{444444} - 1$	133798	L81	06	
4480	$2516047 \cdot 2^{444444} + 1$	133798	g412	07	
4481	$2510175 \cdot 2^{444444} + 1$	133798	g412	07	
4482	$2486705 \cdot 2^{444444} - 1$	133798	L81	06	
4483	$2466285 \cdot 2^{444444} - 1$	133798	L81	06	
4484	$2455437 \cdot 2^{444444} - 1$	133798	L81	06	
4485	$2212803 \cdot 2^{444444} - 1$	133798	L81	06	
4486	$2171727 \cdot 2^{444444} - 1$	133798	L81	06	
4487	$2140857 \cdot 2^{444444} - 1$	133798	L81	06	
4488	$2107935 \cdot 2^{444444} - 1$	133798	L81	06	
4489	$2095617 \cdot 2^{444444} - 1$	133798	L81	06	
4490	$1947629 \cdot 2^{444444} - 1$	133798	L81	06	

rank	description	digits	who	year	comment
4491	$414853 \cdot 2^{444444} + 1$	133797	g412	07	
4492	$160935 \cdot 2^{444444} + 1$	133797	g412	07	
4493	$789 \cdot 2^{444439} + 1$	133793	p161	08	
4494	$73503 \cdot 2^{444333} + 1$	133763	x8	04	
4495	$325 \cdot 2^{444297} - 1$	133750	L594	08	
4496	$445419975 \cdot 2^{444256} - 1$	133744	L145	07	
4497	$1989 \cdot 2^{444247} - 1$	133735	L548	09	
4498	$1423 \cdot 2^{444231} - 1$	133731	L257	08	
4499	$692835 \cdot 2^{444168} - 1$	133714	L87	05	
4500	$1217 \cdot 2^{444116} - 1$	133696	L80	07	
4501	$1641 \cdot 2^{444102} - 1$	133692	L698	09	
4502	$255255 \cdot 2^{444028} - 1$	133672	L94	06	
4503	$9525 \cdot 2^{443854} - 1$	133618	L644	09	
4504	$933 \cdot 2^{443740} + 1$	133583	p161	08	
4505	$1445 \cdot 2^{443720} - 1$	133577	L555	09	
4506	$645 \cdot 2^{443719} - 1$	133576	L579	08	
4507	$28665 \cdot 2^{443532} - 1$	133521	L323	09	
4508	$315 \cdot 2^{443524} - 1$	133517	L566	08	
4509	$3151 \cdot 2^{443471} - 1$	133502	L585	09	
4510	$1865 \cdot 2^{443434} - 1$	133491	L698	09	
4511	$777 \cdot 2^{443376} + 1$	133473	p161	08	
4512	$1225 \cdot 2^{443349} - 1$	133465	L80	07	
4513	$3927 \cdot 2^{443342} + 1$	133463	L31	06	
4514	$1895 \cdot 2^{443266} - 1$	133440	L555	09	
4515	$521 \cdot 2^{443237} + 1$	133431	g136	06	
4516	$453 \cdot 2^{443212} + 1$	133423	L203	07	
4517	$1819 \cdot 2^{443181} - 1$	133415	L698	09	
4518	$941 \cdot 2^{443171} + 1$	133411	p161	08	
4519	$825 \cdot 2^{443120} - 1$	133396	L555	08	
4520	$145257 \cdot 2^{443077} - 1$	133385	L591	08	
4521	$943 \cdot 2^{443079} - 1$	133384	L617	08	
4522	$1225 \cdot 2^{442989} - 1$	133357	L80	07	
4523	$2003 \cdot 2^{442977} + 1$	133353	g233	08	
4524	$6631 \cdot 2^{442959} - 1$	133348	L874	09	
4525	$57 \cdot 2^{442948} + 1$	133343	p114	04	
4526	$3125 \cdot 2^{442872} - 1$	133322	L585	09	
4527	$6487 \cdot 2^{442861} - 1$	133319	L874	09	
4528	$1593 \cdot 2^{442838} + 1$	133311	p161	08	
4529	$871 \cdot 2^{442803} - 1$	133300	L543	08	
4530	$1863 \cdot 2^{442783} - 1$	133295	L698	09	
4531	$20591 \cdot 2^{442754} - 1$	133287	L323	09	
4532	$1737 \cdot 2^{442739} + 1$	133281	p240	09	
4533	$1555 \cdot 2^{442739} - 1$	133281	L619	09	
4534	$7910907 \cdot 2^{442700} - 1$	133273	L730	09	
4535	$1485 \cdot 2^{442605} + 1$	133241	g400	07	
4536	$(5^{95310} + 1)^2 + 5^{95310}$	133238	p82	06	
4537	$345 \cdot 2^{442566} + 1$	133229	p114	05	
4538	$1487 \cdot 2^{442547} + 1$	133224	p161	08	
4539	$6825 \cdot 2^{442487} - 1$	133206	L268	08	
4540	$321 \cdot 2^{442480} + 1$	133203	p114	05	

rank	description	digits	who	year	comment
4541	$651 \cdot 2^{442475} + 1$	133202	p114	05	
4542	$1587 \cdot 2^{442424} - 1$	133187	L257	08	
4543	$715 \cdot 2^{442402} + 1$	133180	p114	05	
4544	$1013 \cdot 2^{442388} - 1$	133176	L80	07	
4545	$1191 \cdot 2^{442285} - 1$	133145	L80	07	
4546	$1813 \cdot 2^{442254} + 1$	133135	p240	09	
4547	$603 \cdot 2^{442247} - 1$	133133	L576	08	
4548	$8325 \cdot 2^{442221} - 1$	133126	L644	09	
4549	$1473 \cdot 2^{442205} + 1$	133121	p161	08	
4550	$6309 \cdot 2^{442192} - 1$	133117	L251	09	
4551	$793 \cdot 2^{442194} + 1$	133117	p114	05	
4552	$159 \cdot 2^{442189} - 1$	133115	L91	05	
4553	$1587 \cdot 2^{442185} - 1$	133115	L257	08	
4554	$2041 \cdot 2^{442145} - 1$	133103	L806	09	
4555	$1481 \cdot 2^{442125} + 1$	133097	p161	08	
4556	$1053 \cdot 2^{442080} - 1$	133083	L80	07	
4557	$339 \cdot 2^{442065} + 1$	133078	p114	05	
4558	$6551 \cdot 2^{441974} - 1$	133052	L860	09	
4559	$1633 \cdot 2^{441894} + 1$	133027	p161	08	
4560	$950307 \cdot 2^{441746} - 1$	132985	g337	07	
4561	$963 \cdot 2^{441729} + 1$	132977	p161	08	
4562	$345 \cdot 2^{441719} + 1$	132974	L153	07	
4563	$78795 \cdot 2^{441711} - 1$	132974	L251	09	
4564	$9525 \cdot 2^{441666} - 1$	132959	L644	09	
4565	$265995345 \cdot 2^{441571} - 1$	132935	g344	04	
4566	$1897 \cdot 2^{441584} + 1$	132934	p240	09	
4567	$423261447984375 \cdot 2^{441543} + 1$	132933	L466	08	
4568	$309 \cdot 2^{441542} + 1$	132920	g124	06	
4569	$77 \cdot 2^{441528} - 1$	132916	L56	04	
4570	$7844265 \cdot 2^{441494} + 1$	132910	g336	04	
4571	$6293 \cdot 2^{441462} - 1$	132898	L268	09	
4572	$6105 \cdot 2^{441397} - 1$	132878	L621	09	
4573	$759007755 \cdot 2^{441291} - 1$	132851	L146	08	
4574	$1615 \cdot 2^{441136} + 1$	132799	p161	08	
4575	$9441 \cdot 2^{441126} - 1$	132797	L257	09	
4576	$105 \cdot 2^{441040} + 1$	132769	g233	05	
4577	$245 \cdot 2^{441021} + 1$	132763	L153	07	
4578	$6567 \cdot 2^{440998} - 1$	132758	L874	09	
4579	$281543 \cdot 2^{440853} + 1$	132716	g335	02	
4580	$20152491645 \cdot 2^{440789} - 1$	132702	L268	07	
4581	$27615 \cdot 2^{440754} - 1$	132685	L251	09	
4582	$1748348745 \cdot 2^{440682} - 1$	132668	L18	08	
4583	$3087 \cdot 2^{440644} - 1$	132651	L585	09	
4584	$1469 \cdot 2^{440588} - 1$	132634	L548	09	
4585	$435 \cdot 2^{440433} + 1$	132587	L203	07	
4586	$1625260065 \cdot 2^{440409} - 1$	132586	L146	06	
4587	$795 \cdot 2^{440417} - 1$	132582	L555	08	
4588	$6^{170371} - V(6, 6, 170371) + 1$	132575	p42	05	
4589	$3699 \cdot 2^{440363} - 1$	132567	L860	09	
4590	$727 \cdot 2^{440276} + 1$	132540	p161	08	

rank	description	digits	who	year	comment
4591	$303 \cdot 2^{440274} + 1$	132539	g124	06	
4592	$1473 \cdot 2^{440261} + 1$	132535	p161	08	
4593	$135 \cdot 2^{440255} + 1$	132533	g354	05	
4594	$1639 \cdot 2^{440183} - 1$	132512	L698	09	
4595	$823 \cdot 2^{440039} - 1$	132468	L548	08	
4596	$3765 \cdot 2^{440024} - 1$	132464	L862	09	
4597	$2415 \cdot 2^{439954} - 1$	132443	L251	09	
4598	$6069 \cdot 2^{439879} - 1$	132421	L621	09	
4599	$495 \cdot 2^{439656} + 1$	132353	p114	04	
4600	$445419975 \cdot 2^{439597} - 1$	132341	L145	07	
4601	$1647 \cdot 2^{439614} - 1$	132341	L701	09	
4602	$6889 \cdot 2^{439607} - 1$	132339	L862	09	
4603	$9785 \cdot 2^{439604} - 1$	132338	L644	09	
4604	$9101981 \cdot 2^{439577} + 1$	132333	g400	06	
4605	$1771 \cdot 2^{439532} + 1$	132316	p240	09	
4606	$8613 \cdot 2^{439502} - 1$	132308	L251	09	
4607	$1573 \cdot 2^{439471} - 1$	132298	L257	08	
4608	$411 \cdot 2^{439453} - 1$	132292	L548	08	
4609	$1839 \cdot 2^{439432} - 1$	132286	L698	09	
4610	$37995 \cdot 2^{439385} - 1$	132273	L251	09	
4611	$1075 \cdot 2^{439350} + 1$	132261	L156	08	
4612	$301 \cdot 2^{439347} - 1$	132260	g320	07	
4613	$1551 \cdot 2^{439313} - 1$	132250	L698	09	
4614	$28635 \cdot 2^{439304} - 1$	132249	L251	09	
4615	$6699 \cdot 2^{439281} - 1$	132241	L874	09	
4616	$9429 \cdot 2^{439276} - 1$	132240	L251	09	
4617	$3021 \cdot 2^{439262} - 1$	132235	L585	09	
4618	$6465 \cdot 2^{439175} - 1$	132209	L20	08	
4619	$6429 \cdot 2^{439133} - 1$	132197	L860	09	
4620	$1389 \cdot 2^{439107} - 1$	132188	L80	07	
4621	$193 \cdot 2^{439107} - 1$	132187	L145	05	
4622	$575 \cdot 2^{439101} + 1$	132186	p114	04	
4623	$8007 \cdot 2^{439044} - 1$	132170	L621	09	
4624	$3489 \cdot 2^{439008} - 1$	132159	L860	09	
4625	$3821 \cdot 2^{439006} - 1$	132158	L251	08	
4626	$1605 \cdot 2^{438942} + 1$	132138	p240	09	
4627	$1889 \cdot 2^{438920} - 1$	132132	L698	09	
4628	$6579 \cdot 2^{438868} - 1$	132117	L860	09	
4629	$3777 \cdot 2^{438837} - 1$	132107	L862	09	
4630	$2127 \cdot 2^{438820} + 1$	132102	g380	08	
4631	$415 \cdot 2^{438776} + 1$	132088	L153	07	
4632	$1431 \cdot 2^{438771} + 1$	132087	p161	08	
4633	$3447 \cdot 2^{438740} - 1$	132078	L862	09	
4634	$6267 \cdot 2^{438709} - 1$	132069	L268	09	
4635	$997 \cdot 2^{438705} - 1$	132067	L576	08	
4636	$1229 \cdot 2^{438683} + 1$	132060	L156	07	
4637	$1085 \cdot 2^{438666} - 1$	132055	L80	07	
4638	$7605 \cdot 2^{438655} - 1$	132053	L638	08	
4639	$5775 \cdot 2^{438648} + 1$	132050	p189	06	
4640	$49335 \cdot 2^{438617} - 1$	132042	L251	09	

rank	description	digits	who	year	comment
4641	$34252725 \cdot 2^{438587} - 1$	132036	p113	05	
4642	$3 \cdot 304663\# - 1$	131969	p16	02	
4643	$3569 \cdot 2^{438344} - 1$	131959	L862	09	
4644	$6749 \cdot 2^{438176} - 1$	131908	L874	09	
4645	$1921 \cdot 2^{438132} + 1$	131895	p240	09	
4646	$1169783175 \cdot 2^{438062} - 1$	131879	L146	06	
4647	$1629 \cdot 2^{438032} - 1$	131864	L698	09	
4648	$6959 \cdot 2^{438028} - 1$	131864	L860	09	
4649	$74460 \cdot 59^{74460} + 1$	131863	g157	06	Generalized Cullen
4650	$591 \cdot 2^{437973} - 1$	131846	L617	08	
4651	$600921 \cdot 2^{437954} - 1$	131844	g337	04	
4652	$1364724075 \cdot 2^{437936} - 1$	131842	L545	08	
4653	$7127 \cdot 48^{78407} - 1$	131825	p230	08	
4654	$22932195 \cdot 2^{437820} - 1$	131805	L138	06	
4655	$424163685 \cdot 2^{437804} - 1$	131801	L545	08	
4656	$1779 \cdot 2^{437814} + 1$	131799	p240	09	
4657	$1691 \cdot 2^{437654} - 1$	131751	L698	09	
4658	$3689 \cdot 2^{437616} - 1$	131740	L862	09	
4659	$1489 \cdot 2^{437590} + 1$	131731	p161	08	
4660	$1299 \cdot 2^{437588} - 1$	131731	L80	07	
4661	$1423 \cdot 2^{437564} + 1$	131724	p161	08	
4662	$135 \cdot 2^{437544} - 1$	131716	L199	06	
4663	$2547 \cdot 2^{437512} - 1$	131708	L251	09	
4664	$1631 \cdot 2^{437503} + 1$	131705	p241	09	
4665	$12121 \cdot 2^{437493} - 1$	131703	L89	05	
4666	$2 \cdot 863^{44857} + 1$	131701	g404	08	Divides $\Phi(863^{44857}, 2)$
4667	$1671 \cdot 2^{437476} + 1$	131697	p240	09	
4668	$1057 \cdot 2^{437442} + 1$	131687	L156	07	
4669	$2109 \cdot 2^{437381} + 1$	131669	g380	08	
4670	$1997 \cdot 2^{437370} - 1$	131665	L548	09	
4671	$37785 \cdot 2^{437348} - 1$	131660	L251	09	
4672	$711 \cdot 2^{437320} + 1$	131650	L153	07	
4673	$703 \cdot 2^{437132} + 1$	131593	L153	07	
4674	$51 \cdot 2^{437036} + 1$	131563	p114	04	
4675	$1707 \cdot 2^{437015} + 1$	131558	p240	08	
4676	$6545 \cdot 2^{436982} - 1$	131549	L862	09	
4677	$212270565 \cdot 2^{436893} - 1$	131527	L138	06	
4678	$5955 \cdot 2^{436901} - 1$	131525	L268	08	
4679	$1185 \cdot 2^{436851} + 1$	131509	L156	07	
4680	$3535 \cdot 2^{436831} - 1$	131503	L862	09	
4681	$3087 \cdot 2^{436797} - 1$	131493	L585	09	
4682	$6555 \cdot 2^{436774} - 1$	131486	L323	09	
4683	$2739 \cdot 2^{436753} - 1$	131480	L548	09	
4684	$28723 \cdot 2^{436743} - 1$	131478	L257	09	
4685	$1509 \cdot 2^{436745} - 1$	131477	L701	09	
4686	$2945 \cdot 2^{436732} - 1$	131473	L698	09	
4687	$743 \cdot 2^{436732} - 1$	131473	L617	08	
4688	$6517 \cdot 2^{436685} - 1$	131460	L874	09	
4689	$3873 \cdot 2^{436675} - 1$	131456	L860	09	
4690	$2525 \cdot 2^{436646} - 1$	131447	L548	09	

rank	description	digits	who	year	comment
4691	$1595 \cdot 2^{436580} - 1$	131427	L555	09	
4692	$1377 \cdot 2^{436537} - 1$	131414	L80	07	
4693	$3959 \cdot 2^{436460} - 1$	131392	L862	09	
4694	$2593 \cdot 2^{436431} - 1$	131383	L548	09	
4695	$1085 \cdot 2^{436396} - 1$	131372	L80	07	
4696	$8043 \cdot 2^{436330} - 1$	131353	L621	09	
4697	$1725 \cdot 2^{436215} - 1$	131318	L698	09	
4698	$577 \cdot 2^{436185} - 1$	131308	L548	08	
4699	$6387 \cdot 2^{436176} - 1$	131306	L251	09	
4700	$3661 \cdot 2^{436175} - 1$	131306	L860	09	
4701	$735 \cdot 2^{436061} - 1$	131271	g172	06	
4702	$3923 \cdot 2^{435972} - 1$	131245	L862	09	
4703	$5659 \cdot 2^{97758} + 1$	131237	p226	07	
4704	$871 \cdot 2^{435891} - 1$	131220	L579	08	
4705	$5445 \cdot 2^{435815} - 1$	131198	L257	09	
4706	$3563 \cdot 2^{435762} - 1$	131181	L862	09	
4707	$9 \cdot 2^{435743} + 1$	131173	g122	03	Divides $GF(435742, 10)$
4708	$6497 \cdot 2^{435532} - 1$	131113	L860	09	
4709	$1155 \cdot 2^{435526} - 1$	131110	L80	07	
4710	$47126 \cdot 5^{187554} - 1$	131100	p214	07	
4711	$417 \cdot 2^{435482} + 1$	131096	L153	07	
4712	$2967 \cdot 2^{435478} - 1$	131096	L548	09	
4713	$37995 \cdot 2^{435429} - 1$	131082	L251	09	
4714	$5955 \cdot 2^{435429} - 1$	131081	L268	08	
4715	$9015 \cdot 2^{435418} - 1$	131078	L644	09	
4716	$12753 \cdot 2^{435414} - 1$	131077	L251	09	
4717	$99941872^{16384} + 1$	131068	g379	07	Generalized Fermat
4718	$99852128^{16384} + 1$	131062	g379	06	Generalized Fermat
4719	$99841934^{16384} + 1$	131061	g379	06	Generalized Fermat
4720	$99838222^{16384} + 1$	131061	g379	08	Generalized Fermat
4721	$6467 \cdot 2^{435358} - 1$	131060	L874	09	
4722	$99787180^{16384} + 1$	131057	g379	06	Generalized Fermat
4723	$99735606^{16384} + 1$	131054	g379	06	Generalized Fermat
4724	$99712838^{16384} + 1$	131052	g398	06	Generalized Fermat
4725	$99712832^{16384} + 1$	131052	g398	06	Generalized Fermat
4726	$6893 \cdot 2^{435326} - 1$	131051	L862	09	
4727	$99685758^{16384} + 1$	131050	g398	06	Generalized Fermat
4728	$11961 \cdot 2^{435323} - 1$	131050	L251	09	
4729	$9075 \cdot 2^{435321} - 1$	131049	L257	09	
4730	$3773 \cdot 2^{435322} - 1$	131049	L862	09	
4731	$99597976^{16384} + 1$	131044	g398	06	Generalized Fermat
4732	$99567100^{16384} + 1$	131042	g379	05	Generalized Fermat
4733	$99 \cdot 2^{435301} - 1$	131041	L167	06	
4734	$99468970^{16384} + 1$	131035	g379	05	Generalized Fermat
4735	$99426472^{16384} + 1$	131032	g379	05	Generalized Fermat
4736	$99333406^{16384} + 1$	131025	g379	05	Generalized Fermat
4737	$6423 \cdot 2^{435224} - 1$	131020	L862	09	
4738	$29445 \cdot 2^{435195} - 1$	131012	L251	09	
4739	$99033888^{16384} + 1$	131003	g379	04	Generalized Fermat
4740	$99003480^{16384} + 1$	131001	g373	04	Generalized Fermat

rank	description	digits	who	year	comment
4741	$98983770^{16384} + 1$	131000	g398	08	Generalized Fermat
4742	$3875 \cdot 2^{435158} - 1$	131000	L862	09	
4743	$98954424^{16384} + 1$	130998	g398	08	Generalized Fermat
4744	$5655 \cdot 2^{435145} - 1$	130996	L268	08	
4745	$98921468^{16384} + 1$	130995	g398	08	Generalized Fermat
4746	$1095 \cdot 2^{435135} + 1$	130992	L156	07	
4747	$98806376^{16384} + 1$	130987	g398	08	Generalized Fermat
4748	$98504246^{16384} + 1$	130965	g419	09	Generalized Fermat
4749	$98503336^{16384} + 1$	130965	g419	09	Generalized Fermat
4750	$98475208^{16384} + 1$	130963	g419	09	Generalized Fermat
4751	$98473506^{16384} + 1$	130963	g419	09	Generalized Fermat
4752	$98363472^{16384} + 1$	130955	g398	08	Generalized Fermat
4753	$98321104^{16384} + 1$	130952	g398	08	Generalized Fermat
4754	$98301094^{16384} + 1$	130951	g398	08	Generalized Fermat
4755	$141 \cdot 2^{434996} + 1$	130949	p43	05	
4756	$98248330^{16384} + 1$	130947	g398	08	Generalized Fermat
4757	$789 \cdot 2^{434965} + 1$	130941	L153	07	
4758	$6441 \cdot 2^{434957} - 1$	130939	L874	09	
4759	$98025372^{16384} + 1$	130931	g398	08	Generalized Fermat
4760	$98022150^{16384} + 1$	130930	g398	08	Generalized Fermat
4761	$23295 \cdot 2^{434889} - 1$	130920	L840	09	
4762	$5535 \cdot 2^{434856} - 1$	130909	L257	09	
4763	$6199 \cdot 2^{434843} - 1$	130905	L621	09	
4764	$2571 \cdot 2^{434829} - 1$	130900	L548	09	
4765	$1031 \cdot 2^{434789} + 1$	130888	L156	07	
4766	$6057 \cdot 2^{434737} - 1$	130873	L621	09	
4767	$653 \cdot 2^{434661} + 1$	130849	L153	06	
4768	$2877 \cdot 2^{434657} - 1$	130849	L548	09	
4769	$1015 \cdot 2^{434633} - 1$	130841	L80	07	
4770	$3851 \cdot 2^{434606} - 1$	130834	L860	09	
4771	$2085 \cdot 2^{434449} - 1$	130786	L330	09	
4772	$6405 \cdot 2^{434435} - 1$	130782	L862	09	
4773	$6653 \cdot 2^{434408} - 1$	130774	L874	09	
4774	$58897 \cdot 166^{58897} + 1$	130763	g407	07	Generalized Cullen
4775	$1797 \cdot 2^{434365} - 1$	130761	L701	09	
4776	$177 \cdot 2^{434336} + 1$	130751	g226	04	
4777	$75 \cdot 2^{434323} - 1$	130747	L8	05	
4778	$3127 \cdot 2^{434285} - 1$	130737	L848	09	
4779	$1971 \cdot 2^{434283} - 1$	130736	L548	09	
4780	$465 \cdot 2^{434267} - 1$	130731	L198	07	
4781	$559 \cdot 2^{434177} - 1$	130704	L617	08	
4782	$201 \cdot 2^{434118} - 1$	130685	L167	06	
4783	$2973 \cdot 2^{433980} - 1$	130645	L617	09	
4784	$745 \cdot 2^{433969} - 1$	130641	L617	08	
4785	$99 \cdot 2^{433966} + 1$	130639	p76	05	
4786	$6381 \cdot 2^{433953} - 1$	130637	L251	09	
4787	$3023 \cdot 2^{433948} - 1$	130635	L769	09	
4788	$1967 \cdot 2^{433926} - 1$	130629	L548	09	
4789	$3575 \cdot 2^{433894} - 1$	130619	L874	09	
4790	$1645 \cdot 2^{433808} + 1$	130593	p240	09	

rank	description	digits	who	year	comment
4791	$1917 \cdot 2^{433775} + 1$	130583	p240	09	
4792	$1755 \cdot 2^{433644} + 1$	130544	p240	09	
4793	$1321 \cdot 2^{433596} + 1$	130529	L156	07	
4794	$6801 \cdot 2^{433587} - 1$	130527	L862	09	
4795	$1635 \cdot 2^{433506} - 1$	130502	L251	08	
4796	$1931 \cdot 2^{433494} - 1$	130498	L698	09	
4797	$1959 \cdot 2^{433467} - 1$	130490	L698	09	
4798	$825 \cdot 2^{433454} + 1$	130486	L153	07	
4799	$6377 \cdot 2^{433440} - 1$	130483	L251	09	
4800	$8331405 \cdot 2^{433420} - 1$	130480	L87	05	
4801	$28635 \cdot 2^{433376} - 1$	130464	L251	09	
4802	$1575 \cdot 2^{433354} - 1$	130456	L284	08	
4803	$95 \cdot 2^{433321} + 1$	130445	p189	06	
4804	$21102003 \cdot 2^{433292} - 1$	130442	L458	07	
4805	$355 \cdot 2^{433303} - 1$	130440	L536	08	
4806	$1791 \cdot 2^{433299} - 1$	130440	L251	08	
4807	$3441 \cdot 2^{433298} - 1$	130440	L860	09	
4808	$477 \cdot 2^{433299} + 1$	130439	L203	07	
4809	$6047 \cdot 2^{433288} - 1$	130437	L621	09	
4810	$711 \cdot 2^{433251} - 1$	130425	L617	08	
4811	$212270565 \cdot 2^{433228} - 1$	130423	L138	06	
4812	$3801 \cdot 2^{433197} - 1$	130409	L862	09	
4813	$1593 \cdot 2^{433168} + 1$	130400	p240	09	
4814	$3905 \cdot 2^{433162} - 1$	130399	L862	09	
4815	$1583 \cdot 2^{433161} + 1$	130398	p240	09	
4816	$349 \cdot 2^{433066} + 1$	130369	L153	07	
4817	$871 \cdot 2^{433047} - 1$	130364	L617	08	
4818	$2001 \cdot 2^{433021} - 1$	130356	L548	09	
4819	$6153 \cdot 2^{432966} - 1$	130340	L621	09	
4820	$1539 \cdot 2^{432959} - 1$	130337	L555	09	
4821	$6165 \cdot 2^{432948} - 1$	130335	L257	09	
4822	$1527 \cdot 2^{432946} + 1$	130333	p161	08	
4823	$6161 \cdot 2^{432874} - 1$	130312	L621	09	
4824	$1881 \cdot 2^{432847} + 1$	130304	p240	09	
4825	$2625 \cdot 2^{432818} - 1$	130295	L548	09	
4826	$29025 \cdot 2^{432810} - 1$	130294	L840	09	
4827	$6551 \cdot 2^{432806} - 1$	130292	L874	09	
4828	$125 \cdot 2^{432719} + 1$	130264	g233	06	
4829	$255255 \cdot 2^{432668} + 1$	130252	L94	05	
4830	$9495 \cdot 2^{432516} - 1$	130205	L644	09	
4831	$3895 \cdot 2^{432483} - 1$	130194	L862	09	
4832	$6035 \cdot 2^{432446} - 1$	130183	L621	09	
4833	$2019 \cdot 2^{432436} - 1$	130180	L555	09	
4834	$1119 \cdot 2^{432367} + 1$	130159	L156	07	
4835	$201 \cdot 2^{432315} - 1$	130143	L167	06	
4836	$9999992 \cdot 10^{130127} - 1$	130134	p200	08	Near-repdigit
4837	$419665 \cdot 2^{432235} - 1$	130122	L420	07	
4838	$251523 \cdot 2^{432235} - 1$	130122	L420	07	
4839	$211429 \cdot 2^{432235} - 1$	130122	L420	07	
4840	$413271 \cdot 2^{432234} - 1$	130122	L420	07	

rank	description	digits	who	year	comment
4841	$168645 \cdot 2^{432235} - 1$	130121	L420	07	
4842	$9873 \cdot 2^{432239} - 1$	130121	L420	07	
4843	$48249 \cdot 2^{432236} - 1$	130121	L420	07	
4844	$61121 \cdot 2^{432234} - 1$	130121	L420	07	
4845	$6347 \cdot 2^{432210} - 1$	130112	L251	09	
4846	$1941 \cdot 2^{432209} + 1$	130112	p240	09	
4847	$3077 \cdot 2^{432159} + 1$	130097	L31	06	
4848	$1593 \cdot 2^{432133} + 1$	130089	p240	09	
4849	$3335 \cdot 2^{432096} - 1$	130078	L261	07	
4850	$1347 \cdot 2^{432092} - 1$	130076	L80	07	
4851	$20625 \cdot 2^{432045} - 1$	130063	L840	09	
4852	$1133 \cdot 2^{432032} - 1$	130058	L80	07	
4853	$1459 \cdot 2^{432001} - 1$	130049	L548	09	
4854	$10^{130048} + (9 \cdot 10^{37077} - 2)/11 \cdot 10^{46486} + 1$	130049	p235	08	Tetradic palindrome
4855	$265995345 \cdot 2^{431957} - 1$	130041	g344	04	
4856	$412029 \cdot 2^{431957} + 1$	130038	L624	08	
4857	$188163 \cdot 2^{431957} + 1$	130038	L624	08	
4858	$116819 \cdot 2^{431957} + 1$	130038	L624	08	
4859	$10^{130036} + 116010611 \cdot 10^{65014} + 1$	130037	D	04	Palindrome
4860	$9315 \cdot 2^{431911} - 1$	130023	L644	09	
4861	$10^{130022} + 3761673 \cdot 10^{65008} + 1$	130023	D	04	Palindrome
4862	$183 \cdot 2^{431901} + 1$	130018	L108	05	
4863	$607 \cdot 2^{431862} + 1$	130007	L153	06	
4864	$695 \cdot 2^{431757} + 1$	129975	L153	07	
4865	$6157 \cdot 2^{431753} - 1$	129975	L621	09	
4866	$382691 \cdot 2^{431722} - 1$	129967	g23	03	
4867	$515106735 \cdot 2^{431582} - 1$	129928	L87	05	
4868	$517 \cdot 2^{431558} + 1$	129915	g136	06	
4869	$1769 \cdot 2^{431523} + 1$	129905	p240	09	
4870	$8745 \cdot 2^{431517} - 1$	129904	L644	09	
4871	$8325 \cdot 2^{431493} - 1$	129897	L644	09	
4872	$617 \cdot 2^{431464} - 1$	129887	L176	06	
4873	$857 \cdot 2^{431436} - 1$	129879	L619	08	
4874	$699 \cdot 2^{431402} + 1$	129868	L153	07	
4875	$537 \cdot 2^{431400} - 1$	129868	L617	08	
4876	$3615 \cdot 2^{431307} - 1$	129840	L261	07	
4877	$2 \cdot 683^{45797} + 1$	129809	g404	08	Divides $\Phi(683^{45797}, 2)$
4878	$219 \cdot 2^{431165} + 1$	129796	L153	06	
4879	$795 \cdot 2^{431144} + 1$	129791	L153	07	
4880	$433 \cdot 2^{431115} - 1$	129782	L543	08	
4881	$25905 \cdot 2^{431069} - 1$	129770	L251	09	
4882	$1561 \cdot 2^{431012} + 1$	129751	p161	08	
4883	$2959 \cdot 2^{430995} - 1$	129746	L548	09	
4884	$6669 \cdot 2^{430907} - 1$	129720	L862	09	
4885	$1935 \cdot 2^{430904} - 1$	129719	L251	08	
4886	$1395 \cdot 2^{430885} - 1$	129713	L80	07	
4887	$2145 \cdot 2^{430852} - 1$	129703	L442	07	
4888	$6501 \cdot 2^{430845} - 1$	129702	L860	09	
4889	$41117 \cdot 2^{430838} - 1$	129700	L6	05	

rank	description	digits	who	year	comment
4890	$1283 \cdot 2^{430834} - 1$	129698	L80	07	
4891	$6585 \cdot 2^{430760} - 1$	129676	L268	08	
4892	$2655 \cdot 2^{430740} - 1$	129670	L121	09	
4893	$3599 \cdot 2^{430684} - 1$	129653	L862	09	
4894	$19581121 \cdot 2^{430657} - 1$	129648	p49	02	
4895	$1509 \cdot 2^{430651} + 1$	129643	p161	08	
4896	$1125 \cdot 2^{430630} + 1$	129636	L156	07	
4897	$1585 \cdot 2^{430625} - 1$	129635	L701	09	
4898	$1793 \cdot 2^{430592} - 1$	129625	L548	09	
4899	$3183 \cdot 2^{430554} - 1$	129614	L769	09	
4900	$1977 \cdot 2^{430527} + 1$	129605	p240	09	
4901	$921 \cdot 2^{430517} + 1$	129602	L153	07	
4902	$1515 \cdot 2^{430504} - 1$	129598	L183	06	
4903	$525 \cdot 2^{430452} - 1$	129582	L79	07	
4904	$11961 \cdot 2^{430434} - 1$	129578	L621	09	
4905	$535 \cdot 2^{430370} + 1$	129558	L153	07	
4906	$6879 \cdot 2^{430340} - 1$	129550	L862	09	
4907	$279 \cdot 2^{430342} + 1$	129549	L153	06	
4908	$1945 \cdot 2^{430323} - 1$	129544	L548	09	
4909	$2619 \cdot 2^{430297} - 1$	129536	L548	09	
4910	$747 \cdot 2^{430297} - 1$	129536	L536	08	
4911	$131 \cdot 2^{430231} + 1$	129515	L650	08	
4912	$2961 \cdot 2^{430223} - 1$	129514	L548	09	
4913	$256 \cdot 3^{271423} + 1$	129505	x28	05	
4914	$2813 \cdot 2^{430162} - 1$	129496	L548	09	
4915	$2529 \cdot 2^{430147} - 1$	129491	L548	09	
4916	$3015015 \cdot 2^{430091} - 1$	129477	L488	08	
4917	$1167 \cdot 2^{430072} + 1$	129468	L156	07	
4918	$3567 \cdot 2^{430065} - 1$	129467	L862	09	
4919	$1371 \cdot 2^{430066} - 1$	129466	L80	07	
4920	$6721 \cdot 2^{430021} - 1$	129454	L862	09	
4921	$834405 \cdot 2^{429946} - 1$	129433	L139	06	
4922	$6191 \cdot 2^{429927} + 1$	129425	g313	05	
4923	$995 \cdot 2^{429875} + 1$	129409	L153	08	
4924	$179 \cdot 2^{429871} + 1$	129407	g233	06	
4925	$29925 \cdot 2^{429840} - 1$	129400	L384	09	
4926	$6195 \cdot 2^{429826} - 1$	129395	L621	09	
4927	$277153 \cdot 2^{429819} - 1$	129394	g230	02	
4928	$6039 \cdot 2^{429819} - 1$	129393	L621	09	
4929	$2281 \cdot 2^{429745} - 1$	129370	L548	09	
4930	$92235 \cdot 2^{429677} - 1$	129351	L251	09	
4931	$6321 \cdot 2^{429631} - 1$	129336	L251	09	
4932	$2673 \cdot 2^{429631} - 1$	129336	L548	09	
4933	$6197 \cdot 2^{429610} - 1$	129330	L621	09	
4934	$1013639055 \cdot 2^{429523} - 1$	129309	L545	08	
4935	$2001 \cdot 2^{429515} + 1$	129301	g233	08	
4936	$291 \cdot 2^{429460} + 1$	129283	L153	06	
4937	$978847155 \cdot 2^{429357} - 1$	129259	L58	07	
4938	$17 \cdot 2^{429319} - 197 \cdot 2^{202534} - 1$	129240	p162	05	Arithmetic progression (3, d = $17 \cdot 2^{429318} - 197 \cdot 2^{202534}$)

rank	description	digits	who	year	comment
4939	$17 \cdot 2^{429318} - 1$	129239	g267	03	Arithmetic progression ($2, d = 17 \cdot 2^{429318} - 197 \cdot 2^{202534}$) [p162]
4940	$2411 \cdot 2^{429306} - 1$	129238	L548	09	
4941	$629 \cdot 2^{429268} - 1$	129226	L555	08	
4942	$98682705 \cdot 2^{429217} - 1$	129216	L545	08	
4943	$9735 \cdot 2^{429192} - 1$	129204	L644	09	
4944	$6639 \cdot 2^{429157} - 1$	129193	L874	09	
4945	$6347 \cdot 2^{429130} - 1$	129185	L251	09	
4946	$693 \cdot 2^{428957} + 1$	129132	L153	06	
4947	$299617 \cdot 2^{428917} - 1$	129123	g59	02	
4948	$212270565 \cdot 2^{428831} - 1$	129100	L138	06	
4949	$633 \cdot 2^{428762} - 1$	129074	L617	08	
4950	$6957 \cdot 2^{428752} - 1$	129072	L862	09	
4951	$6293 \cdot 2^{428752} - 1$	129072	L268	09	
4952	$381 \cdot 2^{428660} + 1$	129043	L153	07	
4953	$1017 \cdot 2^{428635} + 1$	129035	L156	07	
4954	$1119 \cdot 2^{428619} - 1$	129031	L80	07	
4955	$181 \cdot 2^{428576} + 1$	129017	L57	06	
4956	$1089 \cdot 2^{428509} + 1$	128998	L156	07	
4957	$692835 \cdot 2^{428494} - 1$	128996	L87	05	
4958	$375 \cdot 2^{428451} + 1$	128980	g380	06	
4959	$453 \cdot 2^{428428} + 1$	128973	L153	07	
4960	$2569 \cdot 2^{428333} - 1$	128945	L548	09	
4961	$1473 \cdot 2^{428276} + 1$	128928	p161	08	
4962	$2579 \cdot 2^{428252} - 1$	128921	L615	09	
4963	$3735 \cdot 2^{428222} - 1$	128912	L862	09	
4964	$3471 \cdot 2^{428214} - 1$	128909	L862	09	
4965	$46271 \cdot 2^{428210} - 1$	128909	g188	01	
4966	$1225 \cdot 2^{428215} - 1$	128909	L80	07	
4967	$6065 \cdot 2^{428046} - 1$	128859	L621	09	
4968	$6369 \cdot 2^{428037} - 1$	128856	L257	09	
4969	$579 \cdot 2^{427999} - 1$	128844	L548	08	
4970	$2565 \cdot 2^{427924} - 1$	128822	L323	09	
4971	$2183 \cdot 2^{427880} - 1$	128809	L548	09	
4972	$6795 \cdot 2^{427836} - 1$	128796	L860	09	
4973	$5865 \cdot 2^{427626} - 1$	128733	L257	09	
4974	$259 \cdot 2^{427623} - 1$	128730	L163	06	
4975	$6723 \cdot 2^{427602} - 1$	128725	L862	09	
4976	$719 \cdot 2^{427575} + 1$	128716	L153	07	
4977	$1271 \cdot 2^{427485} + 1$	128689	L156	07	
4978	$1621 \cdot 2^{427476} + 1$	128687	p161	08	
4979	$16665 \cdot 2^{427457} - 1$	128682	L384	09	
4980	$835 \cdot 2^{427443} - 1$	128677	L617	08	
4981	$915 \cdot 2^{427390} - 1$	128661	L548	08	
4982	$3001 \cdot 2^{427375} - 1$	128657	L615	09	
4983	$52654604145 \cdot 2^{427263} - 1$	128630	L268	07	
4984	$2477 \cdot 2^{427220} - 1$	128610	L548	09	
4985	$3711 \cdot 2^{427166} - 1$	128594	L860	09	
4986	$183 \cdot 2^{427120} + 1$	128579	L108	05	
4987	$685 \cdot 2^{427076} + 1$	128566	L153	06	

rank	description	digits	who	year	comment
4988	$6999 \cdot 2^{426995} - 1$	128543	L874	09	
4989	$1555 \cdot 2^{426992} + 1$	128541	p161	08	
4990	$19580625 \cdot 2^{426892} + 1$	128515	p147	06	Generalized Fermat
4991	$1629 \cdot 2^{426853} - 1$	128499	L548	09	
4992	$1545 \cdot 2^{426823} - 1$	128490	L284	08	
4993	$6747 \cdot 2^{426785} - 1$	128479	L860	09	
4994	$9525 \cdot 2^{426710} - 1$	128457	L644	09	
4995	$705 \cdot 2^{426703} + 1$	128454	L153	06	
4996	$3483 \cdot 2^{426684} - 1$	128449	L860	09	
4997	$45 \cdot 2^{426653} + 1$	128438	L170	07	
4998	$773 \cdot 2^{426630} - 1$	128432	L617	08	
4999	$3521 \cdot 2^{426574} - 1$	128416	L860	09	
5000	$1755 \cdot 2^{426546} - 1$	128407	L566	09	
5081	[Long prime 5081]	127577	p185	06	Tetradic, palindrome
5132	$2 \cdot 23^{93337} + 1$	127100	gb1	06	Divides $\Phi(23^{93337}, 2)$
5271	$2 \cdot 4523^{34421} + 1$	125824	gb1	04	Divides $\Phi(4523^{34421}, 2)$
5274	$88900 \cdot 26^{88900} + 1$	125797	g157	05	Generalized Cullen
5302	$70615 \cdot 60^{70615} + 1$	125569	g157	08	Generalized Cullen
5316	$2 \cdot 359^{49071} + 1$	125382	g404	07	Divides $\Phi(359^{49071}, 2)$
5393	$2 \cdot 251^{51905} + 1$	124556	gb2	06	Divides $\Phi(251^{51905}, 2)$
5430	$61652 \cdot 103^{61652} - 1$	124101	p120	04	Generalized Woodall
5504	$1207 \cdot 2^{410108} + 1$	123458	g380	05	Divides Fermat $F(410105)$
5623	$2 \cdot 4079^{33873} + 1$	122301	gb2	07	Divides $\Phi(4079^{33873}, 2)$
5703	$15 \cdot 2^{403929} + 1$	121596	p114	02	Divides $GF(403927, 10)$
5776	$36635 \cdot 1960^{36635} - 1$	120617	p117	03	Generalized Woodall
5913	$10^{120016} + 1726271 \cdot 10^{60005} + 1$	120017	D	04	Palindrome
5914	$10^{120002} + 1617161 \cdot 10^{59998} + 1$	120003	D	04	Palindrome
5982	$3 \cdot 10^{119292} - 1$	119293	p135	06	Near-repdigit
6015	$69 \cdot 2^{394574} + 1$	118781	p219	08	Divides $GF(394572, 12)$
6132	$91850 \cdot 19^{91850} - 1$	117459	p237	08	Generalized Woodall
6242	$92711 \cdot 18^{92711} - 1$	116383	p242	09	Generalized Woodall
6265	$64227 \cdot 2^{385362} - 1$	116011	p77	03	Generalized Woodall
6383	$2 \cdot 491^{42801} + 1$	115182	g404	07	Divides $\Phi(491^{42801}, 2)$
6393	$3 \cdot 2^{382449} + 1$	115130	g132	99	Divides Fermat $F(382447)$, $GF(382447, 3)$, $GF(382447, 12)$, $GF(382443, 6)$
6664	$119 \cdot 2^{376951} + 1$	113476	g233	06	Divides $GF(376950, 12)$
6735	$145359 \cdot 6^{145359} - 1$	113117	p234	08	Generalized Woodall
6775	$8511 \cdot 2^{374486} - 1$	112736	p77	03	Generalized Woodall
6952	$45 \cdot 2^{368554} - 405769059 \cdot 2^{180009} - 1$	110948	p108	03	Arithmetic progression $(3, d =$ $45 \cdot 2^{368553} - 405769059 \cdot 2^{180009})$
6953	$45 \cdot 2^{368553} - 1$	110948	L4	03	Arithmetic progression $(2, d =$ $45 \cdot 2^{368553} - 405769059 \cdot 2^{180009})$ [p108]
7103	$2^{364289} - 2^{182145} + 1$	109662	p58	01	Gaussian Mersenne norm 35
7157	$3 \cdot 2^{362765} + 1$	109204	g245	02	Divides $GF(362763, 12)$, $GF(362764, 10)$
7169	$2 \cdot 8039^{27953} + 1$	109163	gb1	04	Divides $\Phi(8039^{27953}, 2)$
7221	$75 \cdot 2^{361614} + 1$	108859	p114	04	Divides $GF(361612, 10)$
7237	$361275 \cdot 2^{361275} + 1$	108761	DS	98	Cullen

rank	description	digits	who	year	comment
7379	$995 \cdot 10^{107888} - 1$	107891	p218	07	Near-repdigit
7404	$26951! + 1$	107707	p65	02	Factorial
7411	$17883 \cdot 2^{357662} - 1$	107672	p103	03	Generalized Woodall
7412	$9 \cdot 10^{107663} - 1$	107664	p122	04	Near-repdigit
7568	$65555 \cdot 42^{65555} - 1$	106417	p239	08	Generalized Woodall
7835	$10^{105022} + 523111325 \cdot 10^{52507} + 1$	105023	D	08	Palindrome
7836	$10^{105018} + 920383029 \cdot 10^{52505} + 1$	105019	D	08	Palindrome
7837	$10^{105016} + 318939813 \cdot 10^{52504} + 1$	105017	D	08	Palindrome
7838	$10^{105014} + 682787286 \cdot 10^{52503} + 1$	105015	D	08	Palindrome
7839	$10^{105014} + 424787424 \cdot 10^{52503} + 1$	105015	D	08	Palindrome
7840	$10^{105012} + 560949065 \cdot 10^{52502} + 1$	105013	D	08	Palindrome
7841	$10^{105012} + 432909234 \cdot 10^{52502} + 1$	105013	D	08	Palindrome
7954	$10^{104281} - 10^{52140} - 1$	104281	p16	03	Near-repdigit, palindrome
8145	$163 \cdot 2^{343190} + 1$	103313	g258	05	Divides $GF(343189, 10)$
8415	$1769267 \cdot 2^{340000} - 1$	102357	L4	03	Arithmetic progression ($1, d = 1061839 \cdot 2^{456789} - 1769267 \cdot 2^{340000}$)
8515	$485 \cdot 2^{338297} + 1$	101841	L203	07	Divides Fermat $F(338295)$ [K]
9620	$28782838101 \cdot 2^{333333} - 1$	100354	L453	07	Arithmetic progression ($3, d = 3371818539 \cdot 2^{333335}$) [g282]
9812	$26273597661 \cdot 2^{333333} - 1$	100354	L329	07	Arithmetic progression ($3, d = 38478921 \cdot 2^{333341}$) [g282]
10674	$16422993885 \cdot 2^{333333} - 1$	100354	L392	07	Arithmetic progression ($2, d = 38478921 \cdot 2^{333341}$) [g282]
10772	$15295563945 \cdot 2^{333333} - 1$	100354	L271	07	Arithmetic progression ($2, d = 3371818539 \cdot 2^{333335}$) [g282]
10861	$14470366551 \cdot 2^{333333} - 1$	100354	L315	07	Arithmetic progression ($1, d = 168667635 \cdot 2^{333334}$) [g348]
11529	$6572390109 \cdot 2^{333333} - 1$	100354	L255	07	Arithmetic progression ($1, d = 38478921 \cdot 2^{333341}$) [g282]
11949	$1808289789 \cdot 2^{333333} - 1$	100353	L212	07	Arithmetic progression ($1, d = 3371818539 \cdot 2^{333335}$) [g282]
12153	$54528 \cdot 69^{54528} - 1$	100274	p120	04	Generalized Woodall
12217	$10^{100000} - 10^{61403} - 1$	100000	p62	01	Near-repdigit
12618	$46225 \cdot 116^{46225} - 1$	95435	p120	03	Generalized Woodall
12665	$10^{95019} - 10^{47509} - 1$	95019	p16	03	Near-repdigit, palindrome
12744	$99999 \cdot 10^{94039} - 1$	94044	p199	06	Near-repdigit
12778	$891 \cdot 2^{311033} + 1$	93634	p114	05	Divides $GF(311032, 10)$
12917	$99999 \cdot 10^{92226} - 1$	92231	p199	06	Near-repdigit
12957	$9 \cdot 2^{304607} + 1$	91697	g23	98	Divides $GF(304604, 6)$
12996	$3 \cdot 2^{303093} + 1$	91241	Y	98	Divides Fermat $F(303088)$; $GF(303088, 3)$, $GF(303086, 6)$, $GF(303092, 10)$, $GF(303088, 12)$, $GF(303092, 5)$ [g0]
13035	$48820 \cdot 72^{48820} - 1$	90680	p110	03	Generalized Woodall
13092	$15 \cdot 2^{300488} + 1$	90458	p114	02	Divides $GF(300479, 6)$, $GF(300484, 10)$
13439	$99995 \cdot 10^{87092} - 1$	87097	p199	06	Near-repdigit
13497	$211 \cdot 2^{287388} + 1$	86515	p43	04	Divides Fermat $F(287384)$

rank	description	digits	who	year	comment
13626	$5 \cdot 10^{85142} - 1$	85143	g243	05	Near-repdigit
13630	$51 \cdot 2^{282719} + 1$	85109	g196	02	Divides Fermat $F(282717)$
13766	$21480! - 1$	83727	p65	01	Factorial
13861	$41 \cdot 2^{274897} + 1$	82754	g305	04	Divides $GF(274896, 10)$
14011	$63 \cdot 2^{270094} + 1$	81309	gt	02	Divides Fermat $F(270091)$
14085	$(10^{40293} - 1)^2 - 2$	80586	p48	04	Near-repdigit
14249	$262419 \cdot 2^{262419} + 1$	79002	DS	98	Cullen
14285	$5 \cdot 10^{78790} - 1$	78791	g243	05	Near-repdigit
14866	$8 \cdot 10^{74318} - 1$	74319	g243	04	Near-repdigit
14928	$99995 \cdot 10^{73668} - 1$	73673	p199	06	Near-repdigit
15102	$10^{72500} - 7 \cdot 10^{25509} - 1$	72500	p48	03	Near-repdigit
15244	$96 \cdot 10^{71600} - 1$	71602	p194	06	Near-repdigit
15570	$99998 \cdot 10^{69842} - 1$	69847	p199	06	Near-repdigit
16439	$2^{216091} - 1$	65050	S	85	Mersenne 31
16650	$3 \cdot 2^{213321} + 1$	64217	Y	97	Divides Fermat $F(213319)$; $GF(213319, 5)$, $GF(213316, 6)$, $GF(213319, 12)$ [g0]
16819	$145823\# + 1$	63142	p21	00	Primorial
17075	$659 \cdot 2^{204273} + 1$	61496	p161	05	Divides $GF(204271, 10)$
17094	$2^{203789} + 2^{101895} + 1$	61347	O	00	Gaussian Mersenne norm 34
17162	$197 \cdot 2^{202534} - 1$	60972	L40	04	Arithmetic progression $(1, d = 17 \cdot 2^{429318} - 197 \cdot 2^{202534})$ [p162]
18382	$2003663613 \cdot 2^{195000} + 1$	58711	L202	07	Twin $(p + 2)$
18383	$2003663613 \cdot 2^{195000} - 1$	58711	L202	07	Twin (p)
20792	$48047305725 \cdot 2^{172404} - 1$	51910	L99	07	Sophie Germain $(2p + 1)$
20793	$48047305725 \cdot 2^{172403} - 1$	51910	L99	07	Sophie Germain (p)
20891	$137211941292195 \cdot 2^{171961} - 1$	51780	x24	06	Sophie Germain $(2p + 1)$
20892	$194772106074315 \cdot 2^{171960} + 1$	51780	x24	07	Twin $(p + 2)$
20893	$194772106074315 \cdot 2^{171960} - 1$	51780	x24	07	Twin (p)
20894	$137211941292195 \cdot 2^{171960} - 1$	51780	x24	06	Sophie Germain (p)
20895	$100314512544015 \cdot 2^{171960} + 1$	51780	x24	06	Twin $(p + 2)$
20896	$100314512544015 \cdot 2^{171960} - 1$	51780	x24	06	Twin (p)
20897	$16869987339975 \cdot 2^{171960} + 1$	51779	x24	05	Twin $(p + 2)$
20898	$16869987339975 \cdot 2^{171960} - 1$	51779	x24	05	Twin (p)
21709	$33218925 \cdot 2^{169690} + 1$	51090	g259	02	Twin $(p + 2)$
21710	$33218925 \cdot 2^{169690} - 1$	51090	g259	02	Twin (p)
22441	$2^{160423} - 2^{80212} + 1$	48293	O	00	Gaussian Mersenne norm 33
22565	$\text{prim}V(40395, -1, 15588)$	47759	x23	07	Generalized Lucas primitive part
22620	$3 \cdot 2^{157169} + 1$	47314	Y	95	Divides Fermat $F(157167)$; $GF(157167, 3)$, $GF(157168, 5)$, $GF(157163, 6)$, $GF(157168, 10)$, $GF(157167, 12)$ [g0]
22634	$\text{prim}V(53394, -1, 15264)$	47200	CH4	07	Generalized Lucas primitive part
22903	$151023 \cdot 2^{151023} - 1$	45468	g25	98	Woodall
23673	$71509 \cdot 2^{143019} - 1$	43058	g23	98	Woodall, arithmetic progression $(2, d = (143018 \cdot 2^{83969} - 80047) \cdot 2^{59049})$ [x12]
24978	$2^{132049} - 1$	39751	S	83	Mersenne 30
25416	$371 \cdot 2^{127419} + 1$	38360	g50	01	Divides $GF(127416, 10)$
25627	$33759183 \cdot 2^{123459} - 1$	37173	L527	09	Sophie Germain $(2p + 1)$

rank	description	digits	who	year	comment
25628	$33759183 \cdot 2^{123458} - 1$	37173	L527	09	Sophie Germain (p)
25651	$(28839^{8317} - 1)/28838$	37090	CH6	06	Generalized repunit
25845	$7068555 \cdot 2^{121302} - 1$	36523	L100	05	Sophie Germain ($2p + 1$)
25846	$7068555 \cdot 2^{121301} - 1$	36523	L100	05	Sophie Germain (p)
26156	$307259241 \cdot 2^{115599} + 1$	34808	g336	09	Twin ($p + 2$)
26157	$307259241 \cdot 2^{115599} - 1$	34808	g336	09	Twin (p)
26190	$\text{primV}(38513, -1, 11502)$	34668	x23	06	Generalized Lucas primitive part
26235	$2540041185 \cdot 2^{114730} - 1$	34547	g294	03	Sophie Germain ($2p + 1$)
26243	$2540041185 \cdot 2^{114729} - 1$	34547	g294	03	Sophie Germain (p)
26349	$60194061 \cdot 2^{114689} + 1$	34533	g294	02	Twin ($p + 2$)
26350	$60194061 \cdot 2^{114689} - 1$	34533	g294	02	Twin (p)
26403	$\text{primV}(9008, 1, 16200)$	34168	x23	05	Generalized Lucas primitive part
26629	$2^{110503} - 1$	33265	WC	88	Mersenne 29
26635	$108615 \cdot 2^{110342} + 1$	33222	L113	08	Twin ($p + 2$)
26636	$108615 \cdot 2^{110342} - 1$	33222	L113	08	Twin (p)
27030	$1124044292325 \cdot 2^{108000} - 1$	32524	L99	06	Sophie Germain ($2p + 1$)
27031	$1124044292325 \cdot 2^{107999} - 1$	32523	L99	06	Sophie Germain (p)
27032	$112886032245 \cdot 2^{108001} - 1$	32523	L99	06	Sophie Germain ($2p + 1$)
27033	$112886032245 \cdot 2^{108000} - 1$	32523	L99	06	Sophie Germain (p)
27115	$1765199373 \cdot 2^{107520} + 1$	32376	g182	02	Twin ($p + 2$)
27116	$1765199373 \cdot 2^{107520} - 1$	32376	g182	02	Twin (p)
27967	$318032361 \cdot 2^{107001} + 1$	32220	p100	01	Twin ($p + 2$)
27968	$318032361 \cdot 2^{107001} - 1$	32220	p100	01	Twin (p)
28005	$2^{106693} + 2^{53347} + 1$	32118	O	00	Gaussian Mersenne norm 32
28242	$\text{primV}(10987, 1, 14400)$	31034	x25	05	Generalized Lucas primitive part
28475	$156733989 \cdot 2^{100007} + 1$	30114	L95	08	Twin ($p + 2$)
28476	$156733989 \cdot 2^{100007} - 1$	30114	L95	08	Twin (p)
28483	$1046619117 \cdot 2^{100000} + 1$	30113	L467	07	Twin ($p + 2$)
28484	$1046619117 \cdot 2^{100000} - 1$	30113	L467	07	Twin (p)
28621	$49363 \cdot 2^{98727} - 1$	29725	Y	97	Woodall
28625	$U(2341, -1, 8819)$	29712	x25	08	Generalized Lucas number
29134	$18912879 \cdot 2^{98396} - 1$	29628	p94	02	Sophie Germain ($2p + 1$)
29135	$18912879 \cdot 2^{98395} - 1$	29628	p94	02	Sophie Germain (p)
29231	$1807318575 \cdot 2^{98305} + 1$	29603	g216	01	Twin ($p + 2$)
29232	$1807318575 \cdot 2^{98305} - 1$	29603	g216	01	Twin (p)
30143	$\text{primV}(24127, -1, 6718)$	29433	CH3	05	Generalized Lucas primitive part
30332	$\text{primV}(205011)$	28552	x39	09	Lucas primitive part
30363	$U(16531, 1, 6721) -$ $U(16531, 1, 6720)$	28347	x36	07	Lehmer number
30541	$90825 \cdot 2^{90825} + 1$	27347	Y	97	Cullen
30704	$\text{primV}(5673, 1, 13500)$	27028	CH3	05	Generalized Lucas primitive part
30818	$3364553235 \cdot 2^{88889} - 1$	26768	L652	09	Sophie Germain ($2p + 1$)
30819	$3364553235 \cdot 2^{88888} - 1$	26768	L652	09	Sophie Germain (p)
30820	$\text{primV}(44368, 1, 9504)$	26768	CH3	05	Generalized Lucas primitive part
31070	$\text{primV}(10986, -1, 9756)$	26185	x23	05	Generalized Lucas primitive part
31154	$2^{86243} - 1$	25962	S	82	Mersenne 28
31171	$\text{primV}(11076, -1, 12000)$	25885	x25	05	Generalized Lucas primitive part
31251	$2^{85237} + 2^{42619} + 1$	25659	x16	00	Gaussian Mersenne norm 31
31382	$\text{primV}(42, -1, 23376)$	25249	x23	07	Generalized Lucas primitive part
31418	$\text{primV}(7577, -1, 10692)$	25140	x33	07	Generalized Lucas primitive part

rank	description	digits	who	year	comment
31424	$\text{prim}V(44573, -1, 10125)$	25105	CH4	07	Generalized Lucas primitive part
31444	$10495740081 \cdot 2^{83126} - 1$	25034	L99	06	Sophie Germain ($2p + 1$)
31445	$10495740081 \cdot 2^{83125} - 1$	25034	L99	06	Sophie Germain (p)
31446	$7473214125 \cdot 2^{83125} + 1$	25033	L99	06	Twin ($p + 2$)
31447	$7473214125 \cdot 2^{83125} - 1$	25033	L99	06	Twin (p)
31448	$11694962547 \cdot 2^{83124} + 1$	25033	L99	06	Twin ($p + 2$)
31449	$11694962547 \cdot 2^{83124} - 1$	25033	L99	06	Twin (p)
31450	$58950603 \cdot 2^{83130} + 1$	25033	L99	06	Twin ($p + 2$)
31451	$58950603 \cdot 2^{83130} - 1$	25033	L99	06	Twin (p)
31535	$1030739199 \cdot 2^{82019} + 1$	24700	g258	09	Twin ($p + 2$)
31536	$1030739199 \cdot 2^{82019} - 1$	24700	g258	09	Twin (p)
31538	$61078155 \cdot 2^{82003} - 1$	24694	L99	06	Sophie Germain ($2p + 1$)
31539	$61078155 \cdot 2^{82002} - 1$	24693	L99	06	Sophie Germain (p)
31542	$\text{prim}V(19285, 1, 10800)$	24683	x25	05	Generalized Lucas primitive part
31585	$(13096^{5953} - 1)/13095$	24506	CH6	07	Generalized repunit
31609	$1213822389 \cdot 2^{81132} - 1$	24433	g250	02	Sophie Germain ($2p + 1$)
31610	$1213822389 \cdot 2^{81131} - 1$	24432	g250	02	Sophie Germain (p)
31630	$\text{prim}V(2425, 1, 13500)$	24370	x23	06	Generalized Lucas primitive part
31643	$5583295473 \cdot 2^{80828} + 1$	24342	g336	06	Twin ($p + 2$)
31644	$5583295473 \cdot 2^{80828} - 1$	24342	g336	06	Twin (p)
31646	$134583 \cdot 2^{80828} + 1$	24337	L99	05	Twin ($p + 2$)
31647	$134583 \cdot 2^{80828} - 1$	24337	L99	05	Twin (p)
31946	$665551035 \cdot 2^{80025} + 1$	24099	g216	00	Twin ($p + 2$)
31947	$665551035 \cdot 2^{80025} - 1$	24099	g216	00	Twin (p)
32234	$3853775193 \cdot 2^{80001} + 1$	24093	L109	07	Cunningham chain <i>2nd</i> kind ($2p - 1$)
32237	$3853775193 \cdot 2^{80000} + 1$	24092	L109	07	Cunningham chain <i>2nd</i> kind (p)
32346	$\text{prim}V(14261, 1, 10800)$	23928	x23	05	Generalized Lucas primitive part
32358	$\text{prim}V(13964, 1, 8856)$	23876	CH3	05	Generalized Lucas primitive part
32374	$\text{prim}V(3464, 1, 6722)$	23786	x23	06	Generalized Lucas primitive part
32416	$1504084599 \cdot 2^{78342} + 1$	23593	g290	04	Cunningham chain <i>2nd</i> kind ($2p - 1$)
32417	$964487139 \cdot 2^{78342} + 1$	23593	g290	04	Cunningham chain <i>2nd</i> kind ($2p - 1$)
32418	$1504084599 \cdot 2^{78341} + 1$	23593	g290	04	Cunningham chain <i>2nd</i> kind (p)
32419	$964487139 \cdot 2^{78341} + 1$	23592	g290	04	Cunningham chain <i>2nd</i> kind (p)
32427	$6917! - 1$	23560	g1	98	Factorial
32463	$(89^{11971} - 1)/88$	23335	CH2	09	Generalized repunit
32465	$(23151^{5347} - 1)/23150$	23333	c13	08	Generalized repunit
32480	$2^{77291} + 2^{38646} + 1$	23267	O	00	Gaussian Mersenne norm 30
32503	$\text{prim}V(3711, 1, 9882)$	23131	x25	05	Generalized Lucas primitive part
32521	$(5855^{6121} - 1)/5854$	23058	CH1	05	Generalized repunit
32584	$\text{prim}V(20384, 1, 5281)$	22754	x25	03	Generalized Lucas primitive part, cyclotomy
32677	$64670473 \cdot 2^{74147} + 3$	22329	L446	09	Sophie Germain ($2p + 1$)
32678	$64670473 \cdot 2^{74146} + 1$	22328	L446	09	Sophie Germain (p)
32844	$U(19258, -1, 5039)$	21586	x23	07	Generalized Lucas number
32869	$6380! + 1$	21507	g1	98	Factorial
32980	$U(15631, 1, 5040) -$ $U(15631, 1, 5039)$	21134	x25	03	Lehmer number

rank	description	digits	who	year	comment
32996	$2566851867 \cdot 2^{70002} - 1$	21083	L109	07	Sophie Germain ($2p + 1$)
32998	$2566851867 \cdot 2^{70001} - 1$	21082	L109	07	Sophie Germain (p)
33136	[Long prime 33136]	20562	FE1	06	ECPP, Mills' prime
33196	$U(11200, -1, 5039)$	20400	x25	04	Generalized Lucas number, cyclotomy
33322	$1040131975 \cdot 2^{66459} + 3$	20016	g258	07	Sophie Germain ($2p + 1$)
33323	$1040131975 \cdot 2^{66458} + 1$	20015	g258	07	Sophie Germain (p)
33325	$109433307 \cdot 2^{66453} - 1$	20013	g205	01	Sophie Germain ($2p + 1$)
33326	$109433307 \cdot 2^{66452} - 1$	20013	g205	01	Sophie Germain (p)
33329	$984798015 \cdot 2^{66445} - 1$	20011	g205	01	Sophie Germain ($2p + 1$)
33332	$984798015 \cdot 2^{66444} - 1$	20011	g205	01	Sophie Germain (p)
33433	$(9473^{4969} - 1)/9472$	19756	CH2	08	Generalized repunit
34319	$(14261^{4663} - 1)/14260$	19367	c13	07	Generalized repunit
34490	$U(6584, -1, 5039)$	19238	x23	07	Generalized Lucas number
34587	$(13782^{4591} - 1)/13781$	19000	c13	07	Generalized repunit
34609	$(15637^{4513} - 1)/15636$	18925	c13	07	Generalized repunit
34895	$42209\# + 1$	18241	p8	99	Primorial
35225	$3714089895285 \cdot 2^{60001} - 1$	18075	IJW	00	Sophie Germain ($2p + 1$)
35272	$3714089895285 \cdot 2^{60000} - 1$	18075	IJW	00	Sophie Germain (p)
35435	$7457 \cdot 2^{59659} + 1$	17964	Y	97	Cullen
35457	$(18067^{4201} - 1)/18066$	17879	c13	02	Generalized repunit
35588	$3379174665 \cdot 2^{58503} - 1$	17621	L402	08	Sophie Germain ($2p + 1$)
35589	$3379174665 \cdot 2^{58502} - 1$	17621	L402	08	Sophie Germain (p)
35693	$(19026^{4051} - 1)/19025$	17332	c13	08	Generalized repunit
35732	$U(9657, 1, 4321) - U(9657, 1, 4320)$	17215	x23	05	Lehmer number
35778	$909004827 \cdot 2^{56790} - 1$	17105	g336	05	Sophie Germain ($2p + 1$)
35779	$787302705 \cdot 2^{56790} + 1$	17105	g336	05	Cunningham chain <i>2nd</i> kind ($2p - 1$)
35780	$909004827 \cdot 2^{56789} - 1$	17105	g336	05	Sophie Germain (p)
35781	$787302705 \cdot 2^{56789} + 1$	17105	g336	05	Cunningham chain <i>2nd</i> kind (p)
35782	$U(81839)$	17103	p54	01	Fibonacci number
35825	$(4735^{4621} - 1)/4734$	16980	CH3	05	Generalized repunit
35853	$(11031^{4177} - 1)/11030$	16882	p54	05	Generalized repunit
35984	$U(15823, 1, 3960) - U(15823, 1, 3959)$	16625	x25	02	Lehmer number, cyclotomy
36049	$U(10803, 1, 4081) - U(10803, 1, 4080)$	16457	x25	05	Lehmer number, cyclotomy
36085	$U(11091, -1, 4049)$	16375	CH3	05	Generalized Lucas number
36166	$U(2554, -1, 4751)$	16185	CH3	05	Generalized Lucas number
36189	$U(1599, -1, 5039)$	16141	x23	07	Generalized Lucas number
36240	$40931485 \cdot 2^{53124} - 3$	16000	p222	07	Cunningham chain <i>2nd</i> kind ($2p - 1$)
36242	$40931485 \cdot 2^{53123} - 1$	16000	p222	07	Cunningham chain <i>2nd</i> kind (p)
36250	$U(10853, 1, 3960) + U(10853, 1, 3959)$	15977	x25	02	Lehmer number, cyclotomy
36440	$U(9667, 1, 3960) - U(9667, 1, 3959)$	15778	x25	02	Lehmer number, cyclotomy
36461	$U(14257, -1, 3779)$	15694	x25	04	Generalized Lucas number, cyclotomy

rank	description	digits	who	year	comment
36527	[Long prime 36527]	15537	x38	09	Lehmer primitive part
36564	$(15134^{3697} - 1)/15133$	15450	CH6	07	Generalized repunit
36656	$(16339^{3613} - 1)/16338$	15219	c13	08	Generalized repunit
36837	$2638^{4405} + 4405^{2638}$	15071	FE3	04	ECPP
37545	$(4018^{4177} - 1)/4017$	15051	c13	08	Generalized repunit
37549	$(7372^{3889} - 1)/7371$	15038	CH6	07	Generalized repunit
37611	$U(8747, 1, 3780) +$ $U(8747, 1, 3779)$	14897	x25	05	Lehmer number
37616	$(2147483647^{1597} -$ $1)/1361551397315358942$	14885	FE7	09	ECPP
37642	$U(25700, 1, 3360) +$ $U(25700, 1, 3359)$	14813	x25	04	Lehmer number, cyclotomy
37643	$2^{49207} - 2^{24604} + 1$	14813	x16	00	Gaussian Mersenne norm 29
37714	$(15679^{3499} - 1)/15678$	14676	x25	03	Generalized repunit
37721	$U(1493, -1, 4621)$	14665	CH3	05	Generalized Lucas number
37736	$U(4951, 1, 3960) -$ $U(4951, 1, 3959)$	14628	CH3	05	Lehmer number
37771	$(2728^{4231} - 1)/2727$	14534	c13	07	Generalized repunit
37913	$U(12924, -12925, 3499)$	14382	x25	05	Generalized Lucas number
37915	$(8185^{3673} - 1)/8184$	14369	c13	03	Generalized repunit
37968	$U(12113, -1, 3499)$	14284	CH3	05	Generalized Lucas number
37975	$U(5192, 1, 3841) -$ $U(5192, 1, 3840)$	14267	x23	05	Lehmer number
37992	$U(2441, -1, 4201)$	14228	CH3	05	Generalized Lucas number
37998	$U(3865, 1, 3960) +$ $U(3865, 1, 3959)$	14202	x25	02	Lehmer number, cyclotomy
38429	$U(3645, 1, 3841) -$ $U(3645, 1, 3840)$	13677	x25	05	Lehmer number
38577	$U(11194, -11195, 3361)$	13605	x25	04	Generalized Lucas number
38695	$U(2219, -1, 4049)$	13546	CH3	05	Generalized Lucas number
38775	$U(475, -1, 5039)$	13486	x25	03	Generalized Lucas number, cyclotomy
39098	$U(7644, 1, 3421) -$ $U(7644, 1, 3420)$	13281	CH3	05	Lehmer number
39282	$U(10206, 1, 3276) -$ $U(10206, 1, 3275)$	13130	x23	05	Lehmer number
39410	$U(7537, -7538, 3361)$	13028	x23	07	Generalized Lucas number
39416	$U(7512, -7513, 3361)$	13023	x25	04	Generalized Lucas number
39432	$U(2783, -1, 3779)$	13014	CH3	05	Generalized Lucas number
39505	$U(7128, -1, 3361)$	12946	x25	04	Generalized Lucas number, cyclotomy
39581	$(2^{42737} + 1)/3$	12865	M	07	ECPP, generalized Lucas number, Wagstaff
39585	$U(12159, 1, 3150) -$ $U(12159, 1, 3149)$	12864	x25	05	Lehmer number, cyclotomy
39653	$U(5485, 1, 3421) +$ $U(5485, 1, 3420)$	12788	CH3	05	Lehmer number
39764	$(V(49596, 1, 3375) +$ $1)/(V(49596, 1, 675) + 1)$	12678	x25	06	Lehmer primitive part
39853	$(V(47025, 1, 3375) -$ $1)/(V(47025, 1, 675) - 1)$	12616	x25	06	Lehmer primitive part

rank	description	digits	who	year	comment
39932	$(V(44524, 1, 3375) - 1)/(V(44524, 1, 675) - 1)$	12552	x23	06	Lehmer primitive part
40012	$U(6393, 1, 3276) - U(6393, 1, 3275)$	12464	x25	05	Lehmer number, cyclotomy
40261	$(V(37511, 1, 3375) - 1)/(V(37511, 1, 675) - 1)$	12351	x25	06	Lehmer primitive part
40395	$(V(32362, 1, 3375) + 1)/(V(32362, 1, 675) + 1)$	12178	x23	06	Lehmer primitive part
40408	$U(4857, 1, 3300) - U(4857, 1, 3299)$	12162	x25	05	Lehmer number, cyclotomy
40807	$(V(30226, 1, 3375) - 1)/(V(30226, 1, 675) - 1)$	12098	x25	06	Lehmer primitive part
40949	$primV(57724)$	12063	p54	01	Lucas primitive part, cyclotomy
41108	$U(5989, 1, 3169) - U(5989, 1, 3168)$	11967	x25	05	Lehmer number
41112	$111871891 \cdot 27751\# + 1$	11961	p155	08	Arithmetic progression ($4, d = 3624707 \cdot 27751\#$)
41115	$103098395 \cdot 27751\# + 1$	11961	p155	07	Arithmetic progression ($4, d = 809963 \cdot 27751\#$)
41116	$102293041 \cdot 27751\# + 1$	11961	p155	07	Arithmetic progression ($4, d = 412064 \cdot 27751\#$)
41368	$V(56003)$	11704	p193	06	Lucas number
41589	$primU(67825)$	11336	x23	07	Fibonacci primitive part
41627	$3610! - 1$	11277	C	93	Factorial
41813	$(V(11258, 1, 3375) + 1)/(V(11258, 1, 675) + 1)$	10939	x23	06	Lehmer primitive part
41829	$3507! - 1$	10912	C	92	Factorial
41846	$(V(10638, 1, 3375) - 1)/(V(10638, 1, 675) - 1)$	10873	x25	06	Lehmer primitive part
41891	$(V(983, 1, 3609) - 1)/(V(983, 1, 9) - 1)$	10774	x23	06	Lehmer primitive part
41917	$primV(77058)$	10729	CH3	05	Lucas primitive part
41919	$(V(9352, 1, 3375) + 1)/(V(9352, 1, 675) + 1)$	10722	x25	05	Lehmer primitive part
41932	$V(51169)$	10694	p54	01	Lucas number
41972	$U(50833)$	10624	CH4	05	Fibonacci number
42018	$46915147 \cdot 2^{35000} + 1$	10544	p43	07	Arithmetic progression ($4, d = 9548007 \cdot 2^{35000}$)
42064	$(V(7792, 1, 3375) - 1)/(V(7792, 1, 675) - 1)$	10508	x25	06	Lehmer primitive part
42067	$primV(77841)$	10496	x25	05	Lucas primitive part
42077	$(V(812, 1, 3609) + 1)/(V(812, 1, 9) + 1)$	10475	x25	06	Lehmer primitive part
42126	$24029\# + 1$	10387	C	93	Primorial
42151	$6 \cdot Bern(4306)/2153$	10342	FE8	09	Irregular, ECPP
42187	$23801\# + 1$	10273	C	93	Primorial
42209	$59056921173 \cdot 2^{34030} + 7$	10255	FE6	09	ECPP
42280	[Long prime 42280]	10136	x38	09	Lehmer primitive part
42305	$1234^{3265} + 3265^{1234}$	10094	FE1	05	ECPP
42317	$Phi(427, -10^{28})$	10081	FE9	09	Unique, ECPP

rank	description	digits	who	year	comment
42325	$2739^{2930} + 2930^{2739}$	10073	FE1	05	ECPP
42339	$2072644824759 \cdot 2^{33333} + 5$	10047	FE5	08	Triplet (3), ECPP
42340	$2072644824759 \cdot 2^{33333} + 1$	10047	L645	08	Triplet (2)
42341	$2072644824759 \cdot 2^{33333} - 1$	10047	L645	08	Triplet (1)
42381	$409331735 \cdot 2^{33333} + 1$	10043	p155	07	Arithmetic progression ($4, d = 104086947 \cdot 2^{33333}$)
42413	$648^{3571} + 3571^{648}$	10041	M	03	ECPP
42634	$10^{9999} + 33603$	10000	FE2	03	ECPP
42667	[Long prime 42667]	9965	x38	09	Lehmer primitive part
42742	$(V(8259, 1, 2517) - 1)/(V(8259, 1, 3) - 1)$	9848	x25	05	Lehmer primitive part
42777	$32469 \cdot 2^{32469} + 1$	9779	MM	97	Cullen
42804	$8073 \cdot 2^{32294} + 1$	9726	MM	97	Cullen
42905	[Long prime 42905]	9548	x38	09	Lehmer primitive part
43088	$V(44507)$	9302	CH3	05	Lucas number
43252	$2658^{2659} + 2659^{2658}$	9106	FE1	05	ECPP
43277	$13^{8148} + 2716^{2197}$	9077	M	05	ECPP
43362	$(V(2247, 1, 3375) - 1)/(V(2247, 1, 675) - 1)$	9050	x25	06	Lehmer primitive part
43447	$(V(3798, 1, 2529) - 1)/(V(3798, 1, 9) - 1)$	9021	x25	06	Lehmer primitive part
43450	$2319^{2680} + 2680^{2319}$	9020	M	04	ECPP
43452	$(V(8162, 1, 2307) - 1)/(V(8162, 1, 3) - 1)$	9013	x25	05	Lehmer primitive part
44244	$2^{27529} - 2^{13765} + 1$	8288	O	00	Gaussian Mersenne norm 28
44320	$primV(39124)$	8176	CH3	05	Lucas primitive part
44375	$1647^{2518} + 2518^{1647}$	8100	FE1	05	ECPP
44403	$197^{3514} + 3514^{197}$	8063	M	04	ECPP
44419	$1995^{2438} + 2438^{1995}$	8046	FE1	03	ECPP
44463	$18523\# + 1$	8002	D	89	Primorial
44476	[Long prime 44476]	7996	FE1	05	Stop gap, ECPP
44477	[Long prime 44477]	7996	FE1	05	Start gap, ECPP
44512	$164210699973 \cdot 2^{26328} - 1$	7937	p158	06	Cunningham chain ($4p + 3$)
44514	$164210699973 \cdot 2^{26327} - 1$	7937	p158	06	Cunningham chain ($2p + 1$)
44515	$164210699973 \cdot 2^{26326} - 1$	7937	p158	06	Cunningham chain (p)
44573	$U(37511)$	7839	x13	05	Fibonacci number
44646	$-E(2762)/2670541$	7760	c11	04	Euler irregular, ECPP
44730	$V(36779)$	7687	CH3	05	Lucas number
45147	$197418203 \cdot 2^{25000} + 6089$	7535	FE4	05	ECPP, consecutive primes arithmetic progression ($3, d = 6090$)
45148	$197418203 \cdot 2^{25000} - 1$	7535	p164	05	Consecutive primes arithmetic progression ($2, d = 6090$)
45149	$197418203 \cdot 2^{25000} - 6091$	7535	FE4	05	ECPP, consecutive primes arithmetic progression ($1, d = 6090$)
45201	$U(35999)$	7523	p54	01	Fibonacci number, cyclotomy
45310	$V(35449)$	7409	p12	01	Lucas number
45315	$87 \cdot 2^{24582} + 2579$	7402	c31	04	ECPP, consecutive primes arithmetic progression ($3, d = 1290$)
45316	$87 \cdot 2^{24582} + 1289$	7402	c31	04	ECPP, consecutive primes arithmetic progression ($2, d = 1290$)

rank	description	digits	who	year	comment
45317	$87 \cdot 2^{24582} - 1$	7402	g106	99	Consecutive primes arithmetic progression ($1, d = 1290$) [c31]
45566	$V(34759)/27112021$	7257	c33	05	Lucas cofactor, ECPP
45757	$\text{Phi}(9455, -10)$	7200	c33	05	Unique, ECPP
46441	$164084347 \cdot 16229\# + 1$	7009	p155	09	Arithmetic progression ($5, d = 20333209 \cdot 16229\#$)
46546	$\text{primA}(82975)$	6935	p54	01	Lucas Aurifeuillian primitive part
46557	$23005 \cdot 2^{23005} - 1$	6930	Y	97	Woodall
46570	$22971 \cdot 2^{22971} - 1$	6920	Y	97	Woodall
46576	$2852851249 \cdot 16001\#/5 + 1$	6913	p199	08	Arithmetic progression ($5, d = 2653152 \cdot 16001\#$)
46581	$2399771561 \cdot 16001\#/5 + 1$	6913	p199	08	Arithmetic progression ($5, d = 86574302 \cdot 16001\#$)
46583	$1638535589 \cdot 16001\#/5 + 1$	6913	p199	08	Arithmetic progression ($5, d = 2003735 \cdot 16001\#$)
46590	$\text{Phi}(2405, -10000)$	6912	c47	09	Unique, ECPP
46660	$15877\# - 1$	6845	CD	92	Primorial
46665	$\text{Phi}(10887, 10)$	6841	c33	05	Unique, ECPP
46743	$\text{primV}(48381)$	6741	x23	05	Lucas primitive part
46746	$\text{primU}(40295)$	6737	p12	01	Fibonacci primitive part
46876	$\text{primV}(39700)$	6621	p54	01	Lucas primitive part
47134	$U(30757)$	6428	p54	01	Fibonacci number, cyclotomy
47181	$U(30671)/1141737296775689$	6395	c41	05	Fibonacci cofactor, ECPP
47337	$\text{Phi}(7357, -10)$	6301	c33	04	Unique, ECPP
47399	$\text{Phi}(6437, 10)$	6240	c47	08	Unique, ECPP
47417	$5612052289 \cdot 14489\#/5 + 5$	6223	c18	08	Triplet (3), ECPP
47418	$5612052289 \cdot 14489\#/5 + 1$	6223	p41	08	Triplet (2)
47419	$5612052289 \cdot 14489\#/5 - 1$	6223	p41	08	Triplet (1)
47554	$4811 \cdot 2^{20219} + 1$	6091	DM	96	Consecutive primes arithmetic progression ($3, d = 3738$) [c36]
47555	$4811 \cdot 2^{20219} - 3737$	6091	c36	04	ECPP, consecutive primes arithmetic progression ($2, d = 3738$)
47556	$4811 \cdot 2^{20219} - 7475$	6091	c36	04	ECPP, consecutive primes arithmetic progression ($1, d = 3738$)
47696	$3020255265 \cdot 2^{20025} - 1$	6038	p133	05	Cunningham chain ($4p + 3$)
47698	$3020255265 \cdot 2^{20024} - 1$	6038	p133	05	Cunningham chain ($2p + 1$)
47699	$3020255265 \cdot 2^{20023} - 1$	6038	p133	05	Cunningham chain (p)
47829	$\text{primV}(28844)$	6028	p12	01	Lucas primitive part
48110	$13649\# + 1$	5862	D	87	Primorial
48292	$18885 \cdot 2^{18885} - 1$	5690	K	87	Woodall
48434	$1963! - 1$	5614	CD	92	Factorial
48439	$13033\# - 1$	5610	CD	92	Primorial
48471	$p(25102542)$	5574	c39	09	Partitions, ECPP
48473	$289 \cdot 2^{18502} + 1$	5573	K	84	Cullen, generalized Fermat
48552	$p(24512858)$	5508	c42	07	Partitions, ECPP
48554	$p(24503300)$	5507	c42	07	Partitions, ECPP
49074	$U(25561)$	5342	p54	01	Fibonacci number
49106	$p(23028252)$	5338	c42	08	Partitions, ECPP
49122	$p(23010067)$	5336	c42	07	Partitions, ECPP

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49133	$primV(25504)$	5324	F3	01	Lucas primitive part, APR-CL assisted
49209	$p(22312025)$	5254	c39	07	Partitions, ECPP
49402	$2366867925 \cdot 2^{17208} + 1$	5190	p133	04	Cunningham chain 2nd kind ($4p - 3$)
49492	[Long prime 49492]	5132	p179	06	Triplet (3)
49493	[Long prime 49493]	5132	p179	06	Triplet (2)
49494	[Long prime 49494]	5132	p179	06	Triplet (1)
49495	[Long prime 49495]	5132	p179	06	Triplet (3)
49496	[Long prime 49496]	5132	p179	06	Triplet (2)
49497	[Long prime 49497]	5132	p179	06	Triplet (1)
49498	[Long prime 49498]	5132	p179	06	Consecutive primes arithmetic progression ($3, d = 6$)
49499	[Long prime 49499]	5132	p179	06	Consecutive primes arithmetic progression ($2, d = 6$)
49500	[Long prime 49500]	5132	p179	06	Consecutive primes arithmetic progression ($1, d = 6$)
49501	[Long prime 49501]	5132	p179	05	Triplet (3)
49502	[Long prime 49502]	5132	p179	05	Triplet (2)
49503	[Long prime 49503]	5132	p179	05	Triplet (1)
49507	[Long prime 49507]	5132	p179	05	Consecutive primes arithmetic progression ($3, d = 6$)
49508	[Long prime 49508]	5132	p179	05	Consecutive primes arithmetic progression ($2, d = 6$)
49509	[Long prime 49509]	5132	p179	05	Consecutive primes arithmetic progression ($1, d = 6$)
49510	[Long prime 49510]	5132	p179	07	Arithmetic progression ($5, d = (681402540 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) \cdot (205881 \cdot 4001\# - 1)/35)$)
49604	$(2^{17029} - 1)/418879343$	5118	c8	06	Mersenne cofactor, ECPP
49732	$33957462 \cdot Bern(2370)/40685$	5083	c11	03	Irregular, ECPP
50022	$primV(24998)$	5033	c48	08	Lucas primitive part, ECPP
50242	$16219299585 \cdot 2^{16614} - 1$	5012	p158	05	Cunningham chain ($4p + 3$)
50243	$16219299585 \cdot 2^{16613} - 1$	5012	p158	05	Cunningham chain ($2p + 1$)
50244	$16219299585 \cdot 2^{16612} - 1$	5011	p158	05	Cunningham chain (p)
50476	$primA(95475)$	4966	c4	09	Lucas Aurifeullian primitive part, ECPP
50488	$11549\# + 1$	4951	D	86	Primorial
51000	$2288999415 \cdot 2^{15939} - 1$	4808	p133	04	Cunningham chain ($4p + 3$)
51001	$2288999415 \cdot 2^{15938} - 1$	4808	p133	04	Cunningham chain ($2p + 1$)
51002	$2288999415 \cdot 2^{15937} - 1$	4807	p133	04	Cunningham chain (p)
51031	$7911 \cdot 2^{15823} - 1$	4768	K	87	Woodall
51049	$V(22811)/(2469062641 \cdot 84961206854418761)$	4741	c8	04	Lucas cofactor, ECPP
51087	$primU(25493)$	4695	c8	07	Fibonacci primitive part, ECPP
51303	$1793349831 \cdot 2^{15257} + 1$	4603	p133	04	Cunningham chain 2nd kind ($4p - 3$)
51361	$p(17120312)$	4602	c39	07	Partitions, ECPP
51362	$p(17120303)$	4602	c39	07	Partitions, ECPP

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51409	$1110159213 \cdot 2^{15166} + 1$	4575	g250	02	Cunningham chain 2nd kind ($4p - 3$)
51423	<i>primB</i> (95655)	4564	c4	09	Lucas Aurifeuillian primitive part, ECPP
51424	$3345660375 \cdot 2^{15127} + 1$	4564	p94	02	Cunningham chain 2nd kind ($4p - 3$)
51427	<i>Phi</i> (6685, -10)	4560	c8	03	Unique, ECPP
51445	$909092313 \cdot 2^{15060} - 1$	4543	g250	02	Cunningham chain ($4p + 3$)
51446	$909092313 \cdot 2^{15059} - 1$	4543	g250	02	Cunningham chain ($2p + 1$)
51447	$909092313 \cdot 2^{15058} - 1$	4542	g250	02	Cunningham chain (p)
51588	<i>primV</i> (29810)	4515	c8	04	Lucas primitive part, ECPP
51615	[Long prime 51615]	4498	c4	04	Euler irregular, ECPP
51638	[Long prime 51638]	4479	c8	04	Fibonacci cofactor, ECPP
51657	<i>p</i> (16026516)	4452	c39	06	Partitions, ECPP
51662	<i>primU</i> (34593)	4444	c8	07	Fibonacci primitive part, ECPP
51663	<i>primA</i> (53155)	4444	x25	02	Lucas Aurifeuillian primitive part, cyclotomy
51675	$2^{14699} + 2^{7350} + 1$	4425	O	00	Gaussian Mersenne norm 27
51684	<i>primU</i> (38181)	4414	c8	07	Fibonacci primitive part, ECPP
51687	<i>primA</i> (52825)	4414	x25	03	Lucas Aurifeuillian primitive part
51715	<i>primB</i> (79125)	4389	c4	09	Lucas Aurifeuillian primitive part, ECPP
51723	<i>p</i> (15446832)	4371	c8	06	Partitions, ECPP
51727	<i>p</i> (15432340)	4369	c8	06	Partitions, ECPP
51731	<i>p</i> (15421217)	4367	c8	06	Partitions, ECPP
51732	<i>p</i> (15415500)	4366	c8	06	Partitions, ECPP
51733	$(2^{14561} - 1)/8074991336582835391$	4365	c8	04	Mersenne cofactor, ECPP
51734	[Long prime 51734]	4365	c4	08	Mersenne cofactor, ECPP
51738	<i>Phi</i> (3273, -100)	4361	c8	03	Unique, ECPP
51740	$(2^{14479} + 1)/3$	4359	c4	04	Generalized Lucas number, Wagstaff, ECPP
51759	<i>Phi</i> (1087, -10000)	4344	c8	02	Unique, ECPP
51768	<i>p</i> (15188680)	4334	c8	07	Partitions, ECPP
51769	<i>p</i> (15185045)	4334	c8	07	Partitions, ECPP
51880	<i>p</i> (15144105)	4328	c8	07	Partitions, ECPP
51883	<i>p</i> (15131236)	4326	c8	07	Partitions, ECPP
51884	<i>p</i> (15123275)	4325	c8	06	Partitions, ECPP
51886	<i>p</i> (15121460)	4324	c8	07	Partitions, ECPP
51888	<i>p</i> (15118525)	4324	c8	06	Partitions, ECPP
51906	<i>primB</i> (56815)	4314	c4	09	Lucas Aurifeuillian primitive part, ECPP
51919	<i>primV</i> (20578)	4301	p54	01	Lucas primitive part
51952	<i>primU</i> (21053)	4274	c8	07	Fibonacci primitive part, ECPP
51959	<i>primU</i> (31209)	4264	c8	07	Fibonacci primitive part, ECPP
51979	<i>primV</i> (21298)	4249	c4	09	Lucas primitive part, ECPP
52004	<i>Phi</i> (483, -10^{16})	4224	c8	02	Unique, ECPP
52020	[Long prime 52020]	4200	c8	03	Irregular, ECPP
52021	<i>primU</i> (25115)	4199	CH3	05	Fibonacci primitive part

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52050	$primU(30687)$	4173	c8	07	Fibonacci primitive part, ECPP
52183	$V(19469)$	4069	x25	02	Lucas number, cyclotomy, APR-CL assisted
52226	$1477! + 1$	4042	D	84	Factorial
52453	[Long prime 52453]	4002	c8	04	Fibonacci cofactor, ECPP
52455	$primV(19148)$	4001	p12	01	Lucas primitive part
52472	$U(19051)/44198321$	3974	c8	04	Fibonacci cofactor, ECPP
52497	$U(18919)/1497228584233$	3942	c8	04	Fibonacci cofactor, ECPP
52501	$primU(22939)$	3933	c8	07	Fibonacci primitive part, ECPP
52517	$Phi(1959, 1000)$	3912	c8	02	Unique, ECPP
52533	$primA(52855)$	3888	c4	09	Lucas Aurifeullian primitive part, ECPP
52536	$primU(23009)$	3883	c8	07	Fibonacci primitive part, ECPP
52537	$primV(18857)$	3882	c4	09	Lucas primitive part, ECPP
52543	$primV(23716)$	3863	p54	01	Lucas primitive part
52546	$primV(37830)$	3853	c4	09	Lucas primitive part, ECPP
52550	$-2730 \cdot Bern(1884)/100983617849$	3844	c8	03	Irregular, ECPP
52568	$2840178 \cdot Bern(1870)/85$	3821	c8	03	Irregular, ECPP
52574	[Long prime 52574]	3815	c8	04	Fibonacci cofactor, ECPP
52630	$Phi(955, -100000)$	3801	c8	02	Unique, ECPP
52634	$primV(18796)$	3792	c4	09	Lucas primitive part, ECPP
52639	$primV(19193)$	3772	c4	09	Lucas primitive part, ECPP
52656	[Long prime 52656]	3734	c8	03	Irregular, ECPP
52658	$12379 \cdot 2^{12379} - 1$	3731	K	84	Woodall
52659	$(2^{12391} + 1)/3$	3730	M	96	Generalized Lucas number, Wagstaff
52746	[Long prime 52746]	3708	c4	08	Mersenne cofactor, ECPP
52778	$primU(32985)$	3672	x23	07	Fibonacci primitive part
52781	[Long prime 52781]	3671	c4	03	Euler irregular, ECPP
52804	$642 \cdot Bern(1802)/15720728189$	3641	c8	03	Irregular, ECPP
52884	$primA(42685)$	3568	c46	08	Lucas Aurifeullian primitive part
52885	$U(17137)/328335144266897$	3567	c8	04	Fibonacci cofactor, ECPP
52896	$primU(18689)$	3549	c8	07	Fibonacci primitive part, ECPP
52900	$U(17011)/42109783293497$	3542	c8	04	Fibonacci cofactor
52901	$V(17029)/(9570299 \cdot 495749440031)$	3541	c8	04	Lucas cofactor, ECPP
52922	$(2^{11813} - 1)/(70879 \cdot 207971134271377)$	3537	c8	02	Mersenne cofactor, ECPP
52948	$primU(41055)$	3531	c8	07	Fibonacci primitive part, ECPP
52994	$primA(45565)$	3512	c4	09	Lucas Aurifeullian primitive part, ECPP
53035	$primU(34515)$	3491	c8	03	Fibonacci primitive part, ECPP
53067	$primU(20665)$	3455	DK	99	Fibonacci primitive part
53185	$primU(24699)$	3441	p54	01	Fibonacci primitive part
53862	$(2^{11279} + 1)/3$	3395	PM	98	Cyclotomy, generalized Lucas number, Wagstaff
53891	[Long prime 53891]	3391	c8	04	Fibonacci cofactor, ECPP
53992	$primU(17221)$	3385	c8	03	Fibonacci primitive part, ECPP

rank	description	digits	who	year	comment
54049	$primV(17524)$	3371	c8	03	Lucas primitive part, ECPP
54153	$Phi(6135, 10)$	3265	c8	01	Unique, ECPP
54174	$V(15511)/394599841$	3234	c8	04	Lucas cofactor, ECPP
54175	$primU(23211)$	3233	DK	99	Fibonacci primitive part
54190	$(2^{10691} + 1)/3$	3218	c4	04	Generalized Lucas number, Wagstaff, ECPP
54196	$primA(41665)$	3211	c8	03	Lucas Aurifeuillian primitive part, ECPP
54246	$(2^{10501} + 1)/3$	3161	M	96	Generalized Lucas number, Wagstaff
54305	$V(14887)/1256071867381$	3100	c8	04	Lucas cofactor
54339	$Phi(3341, -10)$	3073	c8	01	Unique, ECPP
54361	$2^{10141} + 2^{5071} + 1$	3053	O	00	Gaussian Mersenne norm 26
54363	$1531785651 \cdot 2^{10109} + 1$	3053	g250	01	Cunningham chain 2nd kind ($4p - 3$)
54427	[Long prime 54427]	3022	c8	02	Mersenne cofactor, ECPP
54434	$V(14449)$	3020	DK	95	Lucas number
54498	$U(14431)$	3016	p54	01	Fibonacci number
54580	$Phi(3011, -10)$	3010	F2	01	Unique, APR-CL assisted
54715	[Long prime 54715]	2979	c8	02	Mersenne cofactor, ECPP
54740	$U(14177)/2199986861$	2954	c8	04	Fibonacci cofactor
54756	$primU(19415)$	2943	c8	03	Fibonacci primitive part, ECPP
54832	$V(13963)$	2919	c11	02	Lucas number, ECPP
54867	$primA(51945)$	2894	c8	03	Lucas Aurifeuillian primitive part, ECPP
54871	[Long prime 54871]	2888	c8	02	Mersenne cofactor, ECPP
54891	[Long prime 54891]	2876	c4	01	Mersenne cofactor, ECPP
54894	$9531 \cdot 2^{9531} - 1$	2874	K	84	Woodall
54918	[Long prime 54918]	2844	c2	01	Mersenne cofactor, ECPP
54950	$6569\# - 1$	2811	D	92	Primorial
54990	$primB(49785)$	2774	c8	03	Lucas Aurifeuillian primitive part, ECPP
55077	$U(13063)/(4389169 \cdot 10370895133369)$	2710	c8	04	Fibonacci cofactor
55125	$primA(52275)$	2676	c8	03	Lucas Aurifeuillian primitive part, ECPP
55168	$U(12743)/8869129$	2656	c8	04	Fibonacci cofactor
55201	[Long prime 55201]	2637	c4	01	Mersenne cofactor, ECPP
55215	$primB(48375)$	2634	F3	01	Lucas Aurifeuillian primitive part, APR-CL assisted
55279	$V(12503)/4954888889$	2604	c8	04	Lucas cofactor
55281	$primB(31145)$	2603	p54	01	Lucas Aurifeuillian primitive part
55311	$Phi(3903, 10)$	2600	p44	01	Unique
55541	$primB(34045)$	2584	c8	03	Lucas Aurifeuillian primitive part, ECPP
55574	$V(12457)/(1420099 \cdot 81953391325049801)$	2581	c8	04	Lucas cofactor, ECPP
55596	$-E(1078)/361898544439043$	2578	c4	02	Euler irregular, ECPP
55820	$V(12251)$	2561	p54	01	Lucas number

rank	description	digits	who	year	comment
56103	$primA(47235)$	2538	c8	03	Lucas Aurifeuillian primitive part, ECPP
56452	$primB(53625)$	2508	c8	03	Lucas Aurifeuillian primitive part, ECPP
56568	$974! - 1$	2490	CD	92	Factorial
57012	$U(11807)/(231936709 \cdot 1129990105451996281)$	2441	c8	04	Fibonacci cofactor, ECPP
57049	$E(1028)/(6415 \cdot 56837916301577)$	2433	c4	02	Euler irregular, ECPP
57058	$V(11657)/69172639$	2429	c8	04	Lucas cofactor
57189	$primB(45105)$	2407	c8	03	Lucas Aurifeuillian primitive part, ECPP
57273	$E(1004)/(579851915 \cdot 80533376783)$	2364	c4	02	Euler irregular, ECPP
57274	$V(11393)/(3076111 \cdot 5299498382701)$	2362	c8	04	Lucas cofactor
57284	$953477584 \cdot 5501\# - 1$	2355	p133	05	Cunningham chain ($8p + 7$)
57363	[Long prime 57363]	2346	c8	04	Fibonacci cofactor, ECPP
57462	$V(11261)/16823009787209$	2341	c8	04	Lucas cofactor
57509	$U(11279)/(34987457 \cdot 70263726073)$	2339	c8	04	Fibonacci cofactor
57510	$7755 \cdot 2^{7755} - 1$	2339	K	84	Woodall
57735	$V(11213)/(224261 \cdot 1476324252027331181)$	2320	c8	04	Lucas cofactor, ECPP
57840	$U(11093)/544296421641613$	2304	c8	04	Fibonacci cofactor
57842	[Long prime 57842]	2303	c2	01	Mersenne cofactor, ECPP
57871	$(2^{7673} - 1)/2563193011919$	2298	M1	97	Mersenne cofactor, cyclotomy
57951	[Long prime 57951]	2286	c8	04	Lucas cofactor, ECPP
58032	[Long prime 58032]	2276	c4	02	Irregular, ECPP
58054	$-36870 \cdot Bern(1228)/1043706675925609$	2272	c4	02	Irregular, ECPP
58274	$V(10691)$	2235	DK	95	Lucas number
58805	$(2^{7331} - 1)/458072843161$	2196	EM	97	Mersenne cofactor, ECPP
58820	[Long prime 58820]	2193	c8	02	Mersenne cofactor, ECPP
58840	$872! + 1$	2188	D	83	Factorial
58913	$Phi(3261, -10)$	2173	F2	01	Unique, APR-CL assisted
59170	$Phi(2137, -10)$	2136	c6	00	Unique, ECPP
59295	$V(10223)/61893855542632111$	2120	c8	04	Lucas cofactor, ECPP
59937	[Long prime 59937]	2074	c2	01	Mersenne cofactor, ECPP
59979	[Long prime 59979]	2069	c4	02	Euler irregular, ECPP
60055	$4104082046 \cdot 4799\# + 5659$	2058	c18	05	Quadruplet (4), ECPP
60056	$4104082046 \cdot 4799\# + 5657$	2058	c18	05	Quadruplet (3), ECPP
60057	$4104082046 \cdot 4799\# + 5653$	2058	c18	05	Quadruplet (2), ECPP
60058	$4104082046 \cdot 4799\# + 5651$	2058	c18	05	Quadruplet (1), ECPP
60127	$V(9839)/491951$	2051	c8	04	Lucas cofactor
60128	$(2^{6883} - 1)/(1885943 \cdot 2043031664890199)$	2051	M1	97	Mersenne cofactor, cyclotomy
60134	$-E(886)/68689$	2051	c4	02	Euler irregular, ECPP
60244	$4787\# + 1$	2038	D	84	Primorial
60512	$U(9677)$	2023	c2	00	Fibonacci number, ECPP
60536	[Long prime 60536]	2022	c8	04	Fibonacci cofactor

rank	description	digits	who	year	comment
62252	[Long prime 62252]	2003	c8	05	Fibonacci cofactor, ECPP
62348	$6611 \cdot 2^{6611} + 1$	1994	K	84	Cullen
62419	$4583\# - 1$	1953	D	92	Primorial
62441	$U(9311)$	1946	DK	95	Fibonacci number
62461	$4547\# + 1$	1939	D	84	Primorial
62495	$Phi(3927, 10)$	1920	c3	00	Unique, ECPP
62606	[Long prime 62606]	1879	c8	04	Lucas cofactor
62660	$Phi(2177, -10)$	1861	c2	00	Unique, ECPP
62710	$4297\# - 1$	1844	D	92	Primorial
62750	$V(8807)/356419291$	1833	c8	04	Lucas cofactor
62819	[Long prime 62819]	1813	c8	05	Mersenne cofactor, ECPP
62860	[Long prime 62860]	1802	c8	05	Mersenne cofactor, ECPP
62903	$(2^{6043} - 1)/11155520642419038056369903183$	1792	F2	00	Mersenne cofactor, APR-CL assisted
62967	$2^{5900} + 469721940591$	1777	c45	07	Consecutive primes arithmetic progression ($4, d = 2880$), ECPP
62997	$11628008104 \cdot 4127\# + 1$	1770	p133	05	Cunningham chain <i>2nd</i> kind ($8p - 7$)
63002	$V(8467)$	1770	c2	00	Lucas number, ECPP
63034	$18672891658 \cdot 4099\# + 1591789579$	1763	c14	03	ECPP, consecutive primes arithmetic progression ($4, d = 210$)
63085	$4093\# - 1$	1750	CD	92	Primorial
63097	$5795 \cdot 2^{5795} + 1$	1749	K	84	Cullen
63103	$(2^{5807} + 1)/3$	1748	PM	98	Cyclotomy, generalized Lucas number, Wagstaff
63185	[Long prime 63185]	1725	c8	04	Fibonacci cofactor
63236	$1226756544 \cdot 4001\# + 1$	1712	p133	04	Cunningham chain <i>2nd</i> kind ($8p - 7$)
63279	[Long prime 63279]	1701	c8	04	Fibonacci cofactor
63345	[Long prime 63345]	1678	c8	06	Lucas cofactor, ECPP
63554	$V(7741)$	1618	DK	95	Lucas number
63598	$52069470 \cdot 3739\# + 1$	1606	p155	06	Arithmetic progression ($6, d = 3884057 \cdot 3739\#$)
63622	$83 \cdot 2^{5318} - 1$	1603	K	84	Woodall
64091	$V(7243)/289721$	1509	c8	04	Lucas cofactor
64159	$45496757 \cdot 3529\# + 1$	1503	p42	06	Arithmetic progression ($6, d = 3603821 \cdot 3529\#$)
64294	$11024895887 \cdot 3499\# + 855739$	1491	c18	03	Quadruplet (4), ECPP
64295	$11024895887 \cdot 3499\# + 855737$	1491	c18	03	Quadruplet (3), ECPP
64296	$11024895887 \cdot 3499\# + 855733$	1491	c18	03	Quadruplet (2), ECPP
64297	$11024895887 \cdot 3499\# + 855731$	1491	c18	03	Quadruplet (1), ECPP
65110	$4713 \cdot 2^{4713} + 1$	1423	K	84	Cullen
65184	[Long prime 65184]	1418	c4	02	Irregular, ECPP
65870	$3229\# + 1$	1368	D	84	Primorial
66450	[Long prime 66450]	1343	c4	02	Euler irregular, ECPP
67241	$41812496896 \cdot 3067\# - 1$	1316	p133	04	Cunningham chain ($8p + 7$)
67371	$1054831232256 \cdot 3061\# + 1$	1314	p44	03	Cunningham chain <i>2nd</i> kind ($8p - 7$)
67386	$191881920 \cdot 3067\# - 1$	1314	p133	04	Cunningham chain ($8p + 7$)
67501	$23^{963} + 1031392866$	1312	c32	05	Consecutive primes arithmetic progression ($4, d = 1500$)

rank	description	digits	who	year	comment
67565	[Long prime 67565]	1311	c4	02	Irregular, ECPP
67711	$13657785480 \cdot 3049\# - 1$	1309	p94	02	Cunningham chain ($8p + 7$)
67760	$V(6379)/(9823661 \cdot 187797761 \cdot 39735824399)$	1308	c8	04	Lucas cofactor
67934	$2853609856 \cdot 3041\# + 1$	1304	p94	02	Cunningham chain 2nd kind ($8p - 7$)
68014	$49157981 \cdot 3041\# + 1$	1303	p151	08	Arithmetic progression ($6, d = 5151124 \cdot 3041\#$)
68020	$42261175 \cdot 3041\# + 1$	1303	p151	08	Arithmetic progression ($6, d = 1552212 \cdot 3041\#$)
68023	$40279010 \cdot 3041\# + 1$	1302	p151	08	Arithmetic progression ($6, d = 6220023 \cdot 3041\#$)
68456	[Long prime 68456]	1292	c8	05	Lucas cofactor, ECPP
68512	$833000864 \cdot 3011\# + 1$	1290	p155	06	Arithmetic progression ($7, d = 114858412 \cdot 3011\#$)
68513	$821752479 \cdot 3011\# + 1$	1290	p155	06	Arithmetic progression ($7, d = 114379137 \cdot 3011\#$)
68514	$797311599 \cdot 3011\# + 1$	1290	p155	06	Arithmetic progression ($7, d = 98881303 \cdot 3011\#$)
68524	$489855608 \cdot 3011\# + 1$	1290	p155	06	Arithmetic progression ($7, d = 1679489 \cdot 3011\#$)
68683	$1730304995 \cdot 3001\# + 1$	1287	p73	04	Arithmetic progression ($7, d = 230408192 \cdot 3001\#$)
68959	$10271674954 \cdot 2999\# + 3469$	1284	p26	02	Quadruplet (4), ECPP
68960	$10271674954 \cdot 2999\# + 3467$	1284	p26	02	Quadruplet (3), ECPP
68961	$10271674954 \cdot 2999\# + 3463$	1284	p26	02	Quadruplet (2), ECPP
68962	$10271674954 \cdot 2999\# + 3461$	1284	p26	02	Quadruplet (1), ECPP
68986	$4919761805 \cdot 2999\# + 6763$	1284	c23	03	Consecutive primes arithmetic progression ($4, d = 30$)
70221	$546! - 1$	1260	D	92	Factorial
71431	$354 \cdot \text{Bern}(754)/(377 \cdot 883462452530494157)$	1225	c4	02	Irregular, ECPP
71506	$V(5851)$	1223	DK	95	Lucas number
72160	$19743490208 \cdot 2801\# - 1$	1208	p133	05	Cunningham chain ($8p + 7$)
72441	[Long prime 72441]	1201	c8	02	Irregular, ECPP
73697	[Long prime 73697]	1178	c4	02	Irregular, ECPP
74687	$2722420456827 \cdot 2^{3800} + 7$	1157	c44	07	Quadruplet (4)
74688	$2722420456827 \cdot 2^{3800} + 5$	1157	c44	07	Quadruplet (3)
74689	$2722420456827 \cdot 2^{3800} + 1$	1157	L467	07	Quadruplet (2)
74690	$2722420456827 \cdot 2^{3800} - 1$	1157	L467	07	Quadruplet (1)
74697	$477707955423 \cdot 2^{3802} + 7$	1157	c44	07	Quadruplet (4)
74698	$477707955423 \cdot 2^{3802} + 5$	1157	c44	07	Quadruplet (3)
74699	$477707955423 \cdot 2^{3802} + 1$	1157	L467	07	Quadruplet (2)
74700	$477707955423 \cdot 2^{3802} - 1$	1157	L467	07	Quadruplet (1)
76513	$U(5387)$	1126	WM	90	Fibonacci number
77081	$2657\# + 1$	1115	BC	81	Primorial
77666	$424232794973 \cdot 2593\# + 43789$	1107	c18	09	Quintuplet (5), ECPP
77667	$424232794973 \cdot 2593\# + 43787$	1107	c18	09	Quintuplet (4), ECPP
77668	$424232794973 \cdot 2593\# + 43783$	1107	c18	09	Quintuplet (3), ECPP
77669	$424232794973 \cdot 2593\# + 43781$	1107	c18	09	Quintuplet (2), ECPP

rank	description	digits	who	year	comment
77670	$424232794973 \cdot 2593\# + 43777$	1107	c18	09	Quintuplet (1), ECPP
78432	[Long prime 78432]	1088	c4	02	Irregular, ECPP
79077	$6 \cdot \text{Bern}(674)/337$	1077	c4	02	Irregular, ECPP
79478	$283534892623 \cdot 2477\# + 1091273$	1069	c18	06	Quintuplet (5), ECPP
79479	$283534892623 \cdot 2477\# + 1091269$	1069	c18	06	Quintuplet (4), ECPP
79480	$283534892623 \cdot 2477\# + 1091267$	1069	c18	06	Quintuplet (3), ECPP
79481	$283534892623 \cdot 2477\# + 1091263$	1069	c18	06	Quintuplet (2), ECPP
79482	$283534892623 \cdot 2477\# + 1091261$	1069	c18	06	Quintuplet (1), ECPP
79693	$(2^{3539} + 1)/3$	1065	M	89	First titanic by ECPP, generalized Lucas number, Wagstaff
79910	$-E(510)$	1062	c4	02	Euler irregular, ECPP
79960	[Long prime 79960]	1060	c4	02	Euler irregular, ECPP
80168	$2968802755 \cdot 2459\# + 1$	1057	p155	09	Arithmetic progression (8, $d = 359463429 \cdot 2459\#$)
80175	$2519951928 \cdot 2459\# + 1$	1057	p155	09	Cunningham chain 2nd kind ($8p - 7$)
80362	$469! - 1$	1051	BC	81	Factorial
80416	$11^{1008} + 998672782$	1050	c32	05	Consecutive primes arithmetic progression (4, $d = 1080$)
80875	$142661157626 \cdot 2411\# + 71427877$	1038	c14	02	Consecutive primes arithmetic progression (5, $d = 30$)
80953	$6179783529 \cdot 2411\# + 1$	1037	p102	03	Arithmetic progression (8, $d = 176836494 \cdot 2411\#$)
81145	$31969211688 \cdot 2399\# + 16073$	1034	c18	02	Quintuplet (5), ECPP
81146	$31969211688 \cdot 2399\# + 16069$	1034	c18	02	Quintuplet (4), ECPP
81147	$31969211688 \cdot 2399\# + 16067$	1034	c18	02	Quintuplet (3), ECPP
81148	$31969211688 \cdot 2399\# + 16063$	1034	c18	02	Quintuplet (2), ECPP
81149	$31969211688 \cdot 2399\# + 16061$	1034	c18	02	Quintuplet (1), ECPP
81286	$R(1031)$	1031	WD	85	Repunit
81960	$2377\# - 1$	1007	D	92	Primorial
84036	$V(4793)$	1002	DK	95	Lucas number
84079	$V(4787)$	1001	DK	95	Lucas number

2 The Long Primes

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

Prime with rank 682 (221071 digits by x34)

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

Prime with rank 2731 (155792 digits by p168)

$$(3997 \cdot (2^{86243} - 1))^3 \cdot ((3997 \cdot (2^{86243} - 1))^3 - 1) - 1$$

Prime with rank 5081 (127577 digits by p185)

$$10^{127576} + 1081101080188810801011801 \cdot 10^{63776} + 1$$

Prime with rank 33136 (20562 digits by FE1)

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

Prime with rank 36527 (15537 digits by x38)

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

Prime with rank 42280 (10136 digits by x38)

$$(U(11987, 1, 2521) - U(11987, 1, 2520))/(U(11987, 1, 36) - U(11987, 1, 35))$$

Prime with rank 42667 (9965 digits by x38)

$$(U(10227, 1, 2521) + U(10227, 1, 2520))/(U(10227, 1, 36) + U(10227, 1, 35))$$

Prime with rank 42905 (9548 digits by x38)

$$(U(6954, 1, 2521) - U(6954, 1, 2520))/(U(6954, 1, 36) - U(6954, 1, 35))$$

Prime with rank 44476 (7996 digits by FE1) See on-line version for the rest of the digits

“10094619255896577743...(7956 other digits)...63761949451171033763”

Prime with rank 44477 (7996 digits by FE1) See on-line version for the rest of the digits

“10094619255896577743...(7956 other digits)...63761949451170696317”

Prime with rank 49492 (5132 digits by p179)

$$(99241437759 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$$

Prime with rank 49493 (5132 digits by p179)

$$(99241437759 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 5$$

Prime with rank 49494 (5132 digits by p179)

$$(99241437759 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 1$$

Prime with rank 49495 (5132 digits by p179)

$$(91456744909 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 11$$

Prime with rank 49496 (5132 digits by p179)

$$(91456744909 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$$

Prime with rank 49497 (5132 digits by p179)

$$(91456744909 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 5$$

Prime with rank 49498 (5132 digits by p179)

$$(84055657369 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 13$$

Prime with rank 49499 (5132 digits by p179)

$$(84055657369 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$$

Prime with rank 49500 (5132 digits by p179)

$$(84055657369 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 1$$

Prime with rank 49501 (5132 digits by p179)

$$(63140956174 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$$

Prime with rank 49502 (5132 digits by p179)

$(63140956174 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 5$
 Prime with rank 49503 (5132 digits by p179)

$(63140956174 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 1$
 Prime with rank 49507 (5132 digits by p179)

$(61310346529 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 13$
 Prime with rank 49508 (5132 digits by p179)

$(61310346529 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 7$
 Prime with rank 49509 (5132 digits by p179)

$(61310346529 \cdot 205881 \cdot 4001\# \cdot (205881 \cdot 4001\# + 1) + 210) \cdot (205881 \cdot 4001\# - 1)/35 + 1$
 Prime with rank 49510 (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 51615 (4498 digits by c4)

$E(1736)/(55695515 \cdot 75284987831 \cdot 3222089324971117)$
 Prime with rank 51638 (4479 digits by c8)

$U(21577)/(8626362776257 \cdot 608114436652075009)$
 Prime with rank 51734 (4365 digits by c4)

$(2^{14621} - 1)/(1958650799081 \cdot 9787919624201558678734079)$
 Prime with rank 52020 (4200 digits by c8)

$276474 \cdot \text{Bern}(2030)/(19426085 \cdot 24191786327543)$
 Prime with rank 52453 (4002 digits by c8)

$U(19433)/(8200903423639793 \cdot 124790158973035710313 \cdot 163702910239586286961573)$
 Prime with rank 52574 (3815 digits by c8)

$U(18427)/(1828363793 \cdot 23130933997 \cdot 11364458229549793)$
 Prime with rank 52656 (3734 digits by c8)

$-197676570 \cdot 18851280661 \cdot \text{Bern}(1836)/(59789 \cdot 3927024469727)$
 Prime with rank 52746 (3708 digits by c4)

$(2^{12451} - 1)/(4980401 \cdot 15289230353 \cdot 1143390212315192593598809)$
 Prime with rank 52781 (3671 digits by c4)

$E(1468)/(95 \cdot 217158949445380764696306893 \cdot 597712879321361736404369071)$
 Prime with rank 53891 (3391 digits by c8)

$U(16369)/(299022540829 \cdot 8523458822385578881)$
 Prime with rank 54427 (3022 digits by c8)

$(2^{10169} - 1)/10402314702094700470118039921523041260063$
 Prime with rank 54715 (2979 digits by c8)

$(2^{10007} - 1)/(14477908246561 \cdot 136255313 \cdot 10368448917257)$
 Prime with rank 54871 (2888 digits by c8)

$(2^{9697} - 1)/(724126946527 \cdot 19092282046942032847)$
 Prime with rank 54891 (2876 digits by c4)

$(2^{9733} - 1)/(2932747561 \cdot 353435802999708808999 \cdot 4424579967215442704801447)$
 Prime with rank 54918 (2844 digits by c2)

$(2^{9901} - 1)/(87770464009 \cdot 4512717821471308759 \cdot 8336998551279784091551 \cdot 1017688752041649660766793 \cdot 25146117302614435382787771401 \cdot 1502440689076527620360606617623599)$
 Prime with rank 55201 (2637 digits by c4)

$(2^{8849} - 1)/(52368383 \cdot 15264764469472455023)$
 Prime with rank 57363 (2346 digits by c8)

$U(11393)/(38772745844002993 \cdot 2788032223609253801)$
 Prime with rank 57842 (2303 digits by c2)

$(2^{7757} - 1)/233293220467553594643512097574361$
 Prime with rank 57951 (2286 digits by c8)

$V(11173)/(25206289 \cdot 28583254701767411959 \cdot 24018475125955094159731)$
 Prime with rank 58032 (2276 digits by c4)

$-2090369190 \cdot \text{Bern}(1236)/(103 \cdot 939551962476779 \cdot 157517441360851951)$
 Prime with rank 58820 (2193 digits by c8)

$(2^{7417} - 1)/(1930694161304071 \cdot 3888241452787718190543521)$
 Prime with rank 59937 (2074 digits by c2)

$(2^{7039} - 1)/(1324401538053479 \cdot 8541573097 \cdot 218216841131937276721)$
 Prime with rank 59979 (2069 digits by c4)

$-E(902)/(9756496279 \cdot 314344516832998594237)$
 Prime with rank 60536 (2022 digits by c8)

$U(9931)/(3079452003211541 \cdot 122039293401017981 \cdot 604956242930486632441)$
 Prime with rank 62252 (2003 digits by c8)

$U(9967)/(120801834061 \cdot 3105570884441 \cdot 1047583984031437 \cdot 22727240300133999677 \cdot 15086016388211003643481)$
 Prime with rank 62606 (1879 digits by c8)

$$V(9209)/(29745071 \cdot 101409509 \cdot 547683904686691 \cdot 4025749704474499)$$

Prime with rank 62819 (1813 digits by c8)

$$(2^{6199} - 1)/(46113927071 \cdot 3895469424045161025776010136475884556282201)$$

Prime with rank 62860 (1802 digits by c8)

$$(2^{6337} - 1)/(867442823536500063364056974417 \cdot 17816315586138579128417854744231 \cdot 291260082159225422294046286277013181681110191)$$

Prime with rank 63185 (1725 digits by c8)

$$U(8537)/(900766408671673 \cdot 558828605201 \cdot 17191134589117 \cdot 9229577309895207361)$$

Prime with rank 63279 (1701 digits by c8)

$$U(8353)/(176465477 \cdot 2184683363573 \cdot 3620673479519515599362549)$$

Prime with rank 63345 (1678 digits by c8)

$$V(8329)/(5533286033716829 \cdot 62798306322672929543921 \cdot 2398413145658705436562211)$$

Prime with rank 65184 (1418 digits by c4)

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

Prime with rank 66450 (1343 digits by c4)

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

Prime with rank 67565 (1311 digits by c4)

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

Prime with rank 68456 (1292 digits by c8)

$$V(6661)/(20413264084399 \cdot 254844997471 \cdot 6472729219639 \cdot 8036635984600095627961 \cdot 64250170013936618067104660874142964379889)$$

Prime with rank 72441 (1201 digits by c8)

$$-690 \cdot \text{Bern}(748)/(720511 \cdot 138192830377045750339532383)$$

Prime with rank 73697 (1178 digits by c4)

$$6 \cdot \text{Bern}(734)/(377231593 \cdot 75401119 \cdot 170508089)$$

Prime with rank 78432 (1088 digits by c4)

$$-88230 \cdot \text{Bern}(688)/(465776197109 \cdot 1913589601207)$$

Prime with rank 79960 (1060 digits by c4)

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

3 Table of Proof-Codes

Key to Proof-Codes (primality provers):

code	description
BC	Penk, Buhler, Crandall
C	Caldwell, Cruncher
c2	Water, Primo
c3	LaBarbera, Primo
c4	Broadhurst, Primo
c6	Larrosa, Primo
c8	Water, Broadhurst, Primo
c11	Oakes, Primo
c13	Steward, OpenPFGW, Primo
c14	Fougeron, Primo
c18	Luhn, Primo
c23	Andersen, Alm, OpenPFGW, Primo
c31	Andersen, Alm, Rosenthal, OpenPFGW, Primo
c32	DavisK, OpenPFGW, Primo
c33	Chaglassian, Primo
c36	Andersen, Willegen, Rosenthal, OpenPFGW, Primo
c39	Minovic, OpenPFGW, Primo
c41	Andersen, Rosenthal, Primo
c42	Peets, Primo
c44	Barnes, LLR, NewPGen, Primo
c45	DavisK, NewPGen, Primo
c46	Boncompagni, Primo
c47	Chandler, Primo
c48	Peets, OpenPFGW, Primo
CD	Dubner, Caldwell, Cruncher
CH1	Soule, Minovic, CHG, Primo, OpenPFGW
CH2	W_{uT} , CHG, Primo, OpenPFGW
CH3	Water, Broadhurst, CHG, Primo, OpenPFGW
CH4	Irvine, Water, Broadhurst, CHG, Primo, OpenPFGW
CH6	Steward, CHG, Primo, OpenPFGW
D	Dubner, Cruncher
DK	Dubner, Keller, Cruncher
DM	Demichel
DS	Smith _{Darren} , Proth.exe
EM	Morain, Mayer
f1	Chaglassian, ForEis, PhiSieve, PIES
f2	Harvey, ForEis, PhiSieve, PIES
F2	Broadhurst, Primo, OpenPFGW, VFYPR
F3	Water, Broadhurst, VFYPR
f4	Bruen, Carmody, ForEis, PhiSieve, PIES
f6	Carmody, ForEis, PhiSieve, PIES
f7	Heuer, ForEis, PhiSieve, OpenPFGW, PIES
f13	Rodenkirch, ForEis, PhiSieve, PIES
f14	Hillegas, ForEis, PhiSieve, PIES
f17	Grinbergs, ForEis, PhiSieve, PIES
f18	AndersonLee, ForEis, PhiSieve, PIES
f20	Willegen, ForEis, PhiSieve, PIES
FE1	Morain, FastECPP
FE2	Wirth, Kleinjung, Franke, FastECPP
FE3	Wirth, Kleinjung, Franke, Morain, FastECPP

code	description
FE4	Morain, Broadhurst, FastECPP, OpenPFGW
FE5	Luhn, Morain, FastECPP
FE6	Jordan, Morain, FastECPP, LLR
FE7	Deng, Morain, FastECPP
FE8	Oakes, Morain, Water, Broadhurst, FastECPP
FE9	Morain, Water, Broadhurst, FastECPP
g0	Gallot, Proth.exe
g1	Caldwell, Proth.exe
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
g6	Brazier, Proth.exe
G7	Findley <i>J</i> , <i>GIMPS, Prime95</i>
G8	Nowak, GIMPS, Prime95
G9	Boone, Cooper, GIMPS, Prime95
G10	Smith <i>E</i> , <i>GIMPS, Prime95</i>
G11	Elvenich, GIMPS, Prime95
G12	Strindmo, GIMPS, Prime95
g23	Ballinger, Proth.exe
g25	OHare, Proth.exe
g27	Hanson, Proth.exe
g42	Brennen, Proth.exe
g47	Svallmark, Proth.exe
g50	Uk, Proth.exe
g53	Casey, Cooper, PRP, NewPGen, Proth.exe
g55	Toplic, Proth.exe
g59	Linton, Proth.exe
g61	Fleuren, Proth.exe
g65	Johnson <i>L</i> , <i>Proth.exe</i>
g68	Okon, Proth.exe
g76	DavalDavis, Proth.exe
g106	Kuechler, Proth.exe
g107	Riesen, Proth.exe
g118	Schroeder, Proth.exe
g121	Liddle, Proth.exe
g122	Nohara, Proth.exe
g124	Crickman, Proth.exe
g132	Cosgrave, Proth.exe
g136	Saridis, Proth.exe
g141	Scott, Proth.exe
g142	HermleGC, Proth.exe
g148	Samidoost, Proth.exe
g156	Morenus, Proth.exe
g157	Loeh, Proth.exe
g163	Haeberle, Proth.exe
g167	DeMaio, Proth.exe
g168	Hewgill, Proth.exe

code	description
g172	Chaffey, Proth.exe
g173	Heylen, Proth.exe
g181	Bodenstein, Proth.exe
g182	McElhatton, Proth.exe
g188	Pirson, Proth.exe
g189	Baxter, Proth.exe
g196	Odermatt, Proth.exe
g197	Muischnek, Proth.exe
g199	Carmody, Proth.exe
g204	Anderson, Robinson, Proth.exe
g205	Underbakke, NewPGen, Proth.exe
g208	Tawaris, Proth.exe
g216	Underbakke, Carmody, PRP, NewPGen, Proth.exe
g219	Andrews, NPLB, Proth.exe
g220	Keiser, Proth.exe
g226	Snyder, Proth.exe
g230	Wolfe, PRP, NewPGen, Proth.exe
g232	Angel, Proth.exe
g233	Overmann, Proth.exe
g236	Heuer, GFNSearch, GFN17Sieve, Proth.exe
g241	Brittenham, Proth.exe
g242	Heuer, Proth.exe
g243	Sorensen, Proth.exe
g245	Cosgrave, PRP, NewPGen, Proth.exe
g246	Choliy, Proth.exe
g250	Angel, Jobling, Augustin, NewPGen, Proth.exe
g256	Arntzen, Proth.exe
g258	Neves, PRP, NewPGen, Proth.exe
g259	Papp, Proth.exe
g260	AYENI, Proth.exe
g261	Polster _{peter} , <i>Proth.exe</i>
g262	Kapek, Proth.exe
g265	Wolter, MultiSieve, GenWoodall, Proth.exe
g266	Hagel, Proth.exe
g267	Grobstich, PRP, NewPGen, Proth.exe
g271	Welsch, Proth.exe
g274	Hemsen, Proth.exe
g276	Oita, Proth.exe
g277	Eaton, PRP, NewPGen, Proth.exe
g279	Cooper, PRP, NewPGen, Proth.exe
g281	Berndt, Proth.exe
g290	Sun, PRP, NewPGen, Proth.exe
g292	Sun, Proth.exe
g294	Underbakke, TwinGen, PRP, Proth.exe
g295	Underbakke, AthGFNSieve, Proth.exe
g299	Dowd, Scott, Proth.exe
g300	Zilmer, Proth.exe
g302	Schmid, Proth.exe
g305	Berg2, Proth.exe
g308	Angel, GFNSearch, GFN17Sieve, Proth.exe

code	description
g309	Heuer, GFNSearch, GFN15Sieve, Proth.exe
g313	Dilick, NewPGen, Proth.exe
g320	Griffin, PRP, NewPGen, NPLB, Proth.exe
g335	Herranen, PRP, Proth.exe
g336	Tornberg, PRP, NewPGen, Proth.exe
g337	Hsieh, PRP, NewPGen, Proth.exe
g341	Wallace, ProthSieve, PRP, PrimeSierpinski, Proth.exe
g344	Ohigashi, Proth.exe
g346	Dausch, ProthSieve, PRP, PrimeSierpinski, Proth.exe
g354	Jobling, Gusev, Woltman, Proth.exe
g356	Hughes1, Proth.exe
g361	Molne, Proth.exe
g368	Davis, PRP, NewPGen, Proth.exe
g369	Tamai, Proth.exe
g372	Adney, PRP, NewPGen, Proth.exe
g373	Yamada, Noda, Proth.exe
g379	Yamada, GFNSearch, GFN16Sieve, Proth.exe
g380	Tajima, PRP, NewPGen, Proth.exe
g381	Bohanon, LLR, Proth.exe
g383	Murata, PRP, NewPGen, Proth.exe
g387	Muzik, Proth.exe
g392	HermleGC, MultiSieve, OpenPFGW, Proth.exe
g393	Tamai, PRP, NewPGen, Proth.exe
g396	Boncompagni, PRP, NewPGen, Proth.exe
g398	Yama, Yamada, Proth.exe
g399	Pacini, PRP, NewPGen, Proth.exe
g400	Ogawa, PRP, NewPGen, Proth.exe
g402	<i>Van_der_Westhuizen, Proth.exe</i>
g403	Yoshimura, ProthSieve, LLR, PrimeSierpinski, Proth.exe
g404	Taniguchi, Proth.exe
g405	Ogawa, LLR, NewPGen, Proth.exe
g407	HermleGC, MultiSieve, PRP, Proth.exe
g409	Melo, PRP, NewPGen, Proth.exe
g410	Anonymous, AthGFNSieve, GFNSearch, GFN16Sieve, Proth.exe
g411	Brittenham, PRP, NewPGen, Proth.exe
g412	Kamenyuk, Proth.exe
g413	Scott, AthGFNSieve, Proth.exe
g414	Gilvey, Srsieve, LLR, PrimeGrid, PrimeSierpinski, Proth.exe
g415	Scott, PRP, NewPGen, Proth.exe
g418	Taura, PRP, NewPGen, Proth.exe
g419	Nilsson _R , <i>AthGFNSieve, GFNSearch, GFN16Sieve, Proth.exe</i>
g422	ELAGOUZ1, Proth.exe
gb1	Buechel, Keller, PRP, Proth.exe
gb2	Buechel, Keller, PRP, NewPGen, Proth.exe
GC1	Angel, GFNSearch, GFN16Sieve, Proth.exe
GC2	Hluchan, GFNSearch, GFN16Sieve, Proth.exe
gf	Jobling, Nash, Burrowes, Dunaieff, Proth.exe
GF0	Gallot, Proth.exe, GFNSieve, GFNSearch
GF2	Heuer, Proth.exe, GFNSieve, GFNSearch
GF3	Penrose, Proth.exe, GFNSieve, GFNSearch

code	description
GF4	Rosenthal, Proth.exe, GFNSieve, GFNSearch
GF5	Angel, Proth.exe, GFNSieve, GFNSearch
gm	Morii, Proth.exe
gt	Taura, Proth.exe
IJW	Wassing, Indlekofer, Jarai
K	Keller
L1	Harvey, NewPGen, LLR
L2	Penne, NewPGen, LLR
L4	Sun, NewPGen, LLR
L6	Xiao, LLR
L8	Ritschel, NewPGen, 15k, LLR
L10	Ritschel, NewPGen, LLR
L18	Burt, NewPGen, 15k, LLR
L20	Kapek, LLR
L24	Kochergin, NewPGen, 321search, LLR
L30	Ritschel, NewPGen, 321search, LLR
L31	Metcalf, NewPGen, LLR
L32	Minovic, NewPGen, 15k, LLR
L35	Faith, RieselSieve, LLR
L38	Sax, NewPGen, LLR
L40	AndersonM, Ksieve, 15k, LLR
L41	Morelli, NewPGen, 321search, LLR
L42	OHare, ProthSieve, RieselSieve, LLR
L43	Lipinski, LLR
L47	Bishop _D , <i>ProthSieve, RieselSieve, LLR</i>
L49	Stolz, ProthSieve, RieselSieve, LLR
L50	AndersonM, NewPGen, LLR
L51	Hedges, PRP, NewPGen, LLR
L52	Smith _{Robert} , <i>NewPGen, LLR</i>
L53	Zaveri, ProthSieve, PRP, RieselSieve, LLR
L56	Minovic, Ksieve, NewPGen, LLR
L57	Rodenkirch, NewPGen, LLR
L58	Nilsson _R , <i>15k, LLR</i>
L59	Kowzun, NewPGen, 321search, LLR
L62	Ewing, NewPGen, 12121search, LLR
L63	Keller88, NewPGen, 15k, LLR
L64	Michel, ProthSieve, RieselSieve, LLR
L65	Clowes, NewPGen, 12121search, LLR
L66	Haas, NewPGen, 12121search, LLR
L71	Ayuchan, NewPGen, LLR
L72	Depereyra, 15k, LLR
L73	Wallace, ProthSieve, NewPGen, RieselSieve, LLR
L74	Hughes1, LLR
L76	Meissner, ProthSieve, RieselSieve, LLR
L77	Depereyra, 321search, LLR
L78	Depereyra, NewPGen, LLR
L79	Benson, NewPGen, NPLB, LLR
L80	Benson, NewPGen, LLR
L81	Heuer, NewPGen, LLR
L83	Voznyy, NewPGen, Proth.exe, LLR

code	description
L84	Mischel, RieselSieve, LLR
L87	Soule, 15k, LLR
L89	Vanklein, NewPGen, 12121search, LLR
L91	Masser, ProthSieve, NewPGen, LLR
L93	Sefko, ProthSieve, RieselSieve, LLR
L94	Abraham, LLR
L95	Urushi, LLR
L97	Minovic, Penne, Underwood, Keller, Broadhurst, OpenPFGW, NewPGen, LLR
L99	Underbakke, TwinGen, LLR
L100	Minovic, TwinGen, LLR
L101	Aggarwal, ProthSieve, PrimeSierpinski, LLR
L105	Hoof, ProthSieve, RieselSieve, LLR
L106	Brod, Ksieve, LLR
L107	Chatfield, NewPGen, 12121search, LLR
L108	Bedwell, NewPGen, LLR
L109	Nair, NewPGen, LLR
L110	Rosink, NewPGen, LLR
L111	Fisher, ProthSieve, RieselSieve, LLR
L113	Chatfield, NewPGen, LLR
L116	Wallace, NewPGen, LLR
L119	Hidy, Srsieve, PrimeGrid, LLR
L121	Benson, Srsieve, Rieselprime, LLR
L122	Stones, LLR
L123	Gillion, NewPGen, LLR
L124	Rodenkirch, MultiSieve, LLR
L125	Mikrut, NewPGen, 12121search, LLR
L126	Keiser, NewPGen, LLR
L129	Snyder, LLR
L132	Richard, 15k, LLR
L134	Childers, ProthSieve, RieselSieve, LLR
L137	Jaworski, Rieselprime, LLR
L138	Soule, NewPGen, Rieselprime, LLR
L139	Metcalfe, NewPGen, Rieselprime, LLR
L140	Schlessler, Rieselprime, LLR
L141	Depereyra, Rieselprime, LLR
L142	Chatfield, NewPGen, Rieselprime, LLR
L145	Minovic, Ksieve, NewPGen, Rieselprime, LLR
L146	AndersonM, Ksieve, Rieselprime, LLR
L147	Goudt, Rieselprime, LLR
L148	Brunson, Rieselprime, LLR
L151	Burt, NewPGen, 12121search, LLR
L153	Eckhard, LLR
L155	Brazier, NewPGen, LLR
L156	Benson, FermFact, LLR
L158	Underwood, NewPGen, 321search, LLR
L159	Penne, NewPGen, Base4Sierpinski, LLR
L160	Wong, ProthSieve, RieselSieve, LLR
L161	Schafer, NewPGen, LLR
L162	Banka, NewPGen, 12121search, LLR
L163	Ritschel, NewPGen, Rieselprime, LLR

code	description
L164	Chiovato, LLR
L165	Keiser, OpenPFGW, NewPGen, LLR
L167	Curtis, NewPGen, Rieselprime, LLR
L170	Crosa, LLR
L171	Metcalfe, ProthSieve, Rieselprime, LLR
L172	Smith, ProthSieve, RieselSieve, LLR
L175	Du, ProthSieve, RieselSieve, LLR
L176	Jaworski, NewPGen, NPLB, LLR
L177	Kwok, Rieselprime, LLR
L179	White, ProthSieve, RieselSieve, LLR
L180	Felder, NewPGen, LLR
L181	Siegert, LLR
L182	Keller88, NewPGen, LLR
L183	Jaworski, NewPGen, Rieselprime, LLR
L185	Hassler, NewPGen, LLR
L186	Tjung, NewPGen, Rieselprime, LLR
L189	DeRidder, Srsieve, PrimeGrid, LLR
L191	Banka, NewPGen, LLR
L192	Jaworski, LLR
L193	Rosink, ProthSieve, RieselSieve, LLR
L195	Bonath, NewPGen, Rieselprime, LLR
L196	Reiter, Srsieve, PrimeGrid, LLR
L197	DarkStar, ProthSieve, RieselSieve, LLR
L198	Mathew, NewPGen, NPLB, LLR
L199	Ritschel, ProthSieve, Rieselprime, LLR
L200	Jaworski, Ksieve, NewPGen, Rieselprime, LLR
L201	Siemelink, LLR
L202	Vautier, McKibbon, Gribenko, NewPGen, PrimeGrid, TPS, LLR
L203	Murata, LLR
L212	Apps, NewPGen, PrimeGrid, TPS, LLR
L217	Lehmann, Rieselprime, LLR
L251	Burt, NewPGen, Rieselprime, LLR
L253	Jaworski, Srsieve, NewPGen, Rieselprime, LLR
L255	Kramer, NewPGen, PrimeGrid, TPS, LLR
L256	Underwood, Srsieve, NewPGen, 321search, LLR
L257	Ritschel, Srsieve, Rieselprime, LLR
L260	Soule, Srsieve, Rieselprime, LLR
L261	Metcalfe, Srsieve, ProthSieve, Rieselprime, LLR
L268	Metcalfe, Srsieve, Rieselprime, LLR
L271	Klahn, NewPGen, PrimeGrid, TPS, LLR
L277	Liiv, Rieselprime, LLR
L282	Curtis, Srsieve, Rieselprime, LLR
L284	Burt, NewPGen, LLR
L290	Sax, Srsieve, Rieselprime, LLR
L315	Rhodes, NewPGen, PrimeGrid, TPS, LLR
L321	Broadhurst, OpenPFGW, NewPGen, LLR
L323	Minovic, Srsieve, NewPGen, Rieselprime, LLR
L325	Chatfield, Srsieve, NewPGen, Rieselprime, LLR
L329	Schoenrogge, NewPGen, PrimeGrid, TPS, LLR
L330	Tjung, Srsieve, Rieselprime, LLR

code	description
L381	Mate, Siemelink, Rodenkirch, MultiSieve, LLR
L384	Pinho, Srsieve, Rieselprime, LLR
L391	Rodenkirch, Srsieve, LLR
L392	Rodenkirk, NewPGen, PrimeGrid, TPS, LLR
L400	Anonymous, Srsieve, NewPGen, Rieselprime, LLR
L402	McKibbon, NewPGen, LLR
L409	Minet, LLR
L420	Anderegg, LLR
L421	Bonath, Srsieve, Rieselprime, LLR
L425	Goforth, Minovic, Srsieve, Rieselprime, LLR
L426	Jaworski, Srsieve, Rieselprime, LLR
L430	Carpenter3, LLR
L434	Metcalfe, NewPGen, LLR
L436	Andersen2, Gcwsieve, MultiSieve, PrimeGrid, LLR
L442	Barnes, Srsieve, Rieselprime, LLR
L446	Saridis, NewPGen, Proth.exe, LLR
L447	Kohlman, Gcwsieve, MultiSieve, PrimeGrid, LLR
L453	Straubinger, NewPGen, PrimeGrid, TPS, LLR
L458	Rajh, NewPGen, LLR
L463	Schmeer, NewPGen, Rieselprime, LLR
L465	Vonck, NewPGen, TPS, LLR
L466	Zhou, NewPGen, LLR
L467	Barnes, NewPGen, LLR
L468	Findley _S , <i>RMA</i> , <i>NewPGen</i> , <i>15k</i> , <i>LLR</i>
L478	Sutton1, Goforth, Srsieve, Rieselprime, LLR
L486	Goforth, Curtis, Srsieve, Rieselprime, LLR
L488	Sutton1, Srsieve, NewPGen, Rieselprime, LLR
L503	Benson, Srsieve, LLR
L505	Gaillard, NewPGen, LLR
L521	Thompson1, Gcwsieve, MultiSieve, PrimeGrid, LLR
L527	Tornberg, TwinGen, LLR
L536	Bonath, Srsieve, NPLB, LLR
L541	Barnes, Srsieve, CRUS, LLR
L542	Sutton1, Srsieve, NPLB, LLR
L543	Pinho, Srsieve, NPLB, LLR
L545	AndersonM, NewPGen, Rieselprime, LLR
L548	Barnes, Srsieve, NPLB, LLR
L550	Bonath, Srsieve, CRUS, LLR
L555	Chatfield, Srsieve, NPLB, LLR
L565	Burt, Srsieve, NPLB, LLR
L566	James, Srsieve, NPLB, LLR
L576	Kaiser, Srsieve, NPLB, LLR
L579	Sorbera, Srsieve, NPLB, LLR
L583	Goforth, Srsieve, NPLB, LLR
L585	Dettweiler, Srsieve, NPLB, LLR
L587	Dettweiler, Srsieve, CRUS, LLR
L590	Padro, NewPGen, 12121search, LLR
L591	Penne, Srsieve, CRUS, LLR
L594	Lucas, Srsieve, NPLB, LLR
L596	Vogel, TwinGen, PrimeGrid, LLR

code	description
L605	Dunn, Srsieve, PrimeGrid, LLR
L606	Bennett, Srsieve, NewPGen, PrimeGrid, 321search, LLR
L613	Keogh, Srsieve, ProthSieve, RieselSieve, LLR
L614	Vanklein, LLR
L615	Vogel, Srsieve, NPLB, LLR
L616	Schmeer, Srsieve, Rieselprime, LLR
L617	Slade, Srsieve, NPLB, LLR
L619	Vaes, Srsieve, NPLB, LLR
L620	Stevens, NPLB, LLR
L621	Sutton1, Srsieve, Rieselprime, LLR
L622	Cardall, Srsieve, ProthSieve, RieselSieve, LLR
L623	Jaworski, Srsieve, NPLB, LLR
L624	Walker2, PRP, NewPGen, LLR
L627	Elliott, Srsieve, PrimeGrid, LLR
L629	Schmeer, Srsieve, NPLB, LLR
L631	Davis, Srsieve, NewPGen, LLR
L632	Stokkedalen, Rieselprime, LLR
L633	Slade, Barnes, Srsieve, NPLB, LLR
L634	Ueda, TwinGen, PrimeGrid, LLR
L635	Vogel, Srsieve, PrimeGrid, LLR
L636	Jordan, Rieselprime, LLR
L638	Tirapelle, NewPGen, Rieselprime, LLR
L639	Depereyra, Srsieve, Rieselprime, LLR
L643	DeRidder, TwinGen, PrimeGrid, LLR
L644	Gunn, Srsieve, NPLB, LLR
L645	Luhn, LLR
L647	Micheli, NewPGen, Proth.exe, LLR
L650	Jimenez, Srsieve, PrimeGrid, LLR
L651	Courty, Srsieve, PrimeGrid, LLR
L652	Wu_T , <i>NewPGen</i> , LLR
L653	McArthur, Srsieve, NPLB, LLR
L654	Dickinson, Srsieve, PrimeGrid, LLR
L655	Englund, Srsieve, PrimeGrid, LLR
L656	Yama, Srsieve, PrimeGrid, LLR
L657	Platzer1, Srsieve, NPLB, LLR
L658	Birnie, Srsieve, PrimeGrid, LLR
L659	Rydekull, Srsieve, PrimeGrid, LLR
L660	Laurijssens, Srsieve, PrimeGrid, LLR
L661	Adolfsson, Srsieve, PrimeGrid, LLR
L662	Alvarez, Srsieve, PrimeGrid, LLR
L663	Stockmann, Srsieve, PrimeGrid, LLR
L664	Smith1, Srsieve, PrimeGrid, LLR
L665	Yakovlev, Srsieve, PrimeGrid, LLR
L667	Riesen, NewPGen, LLR
L668	Ueda, Srsieve, PrimeGrid, LLR
L669	Harvey, Srsieve, PrimeGrid, LLR
L670	McKibbon, Srsieve, PrimeGrid, LLR
L671	Wong, Srsieve, PrimeGrid, LLR
L672	Hron, Srsieve, PrimeGrid, LLR
L673	Samidoost, Srsieve, PrimeGrid, LLR

code	description
L674	Steine, Srsieve, PrimeGrid, LLR
L675	Yuki, Srsieve, PrimeGrid, LLR
L676	Slatkevicius, Srsieve, PrimeGrid, LLR
L677	Mendrik, Srsieve, PrimeGrid, LLR
L678	Burt, Srsieve, PrimeGrid, LLR
L679	Foody, Srsieve, PrimeGrid, LLR
L680	Ziebell, Srsieve, PrimeGrid, LLR
L681	Tibbott, Srsieve, PrimeGrid, LLR
L682	Walker3, LLR
L683	Milbrandt, Srsieve, PrimeGrid, LLR
L684	Fries, Srsieve, PrimeGrid, LLR
L685	Weis, Srsieve, PrimeGrid, LLR
L686	Steffener, Srsieve, PrimeGrid, LLR
L687	Slomma, Srsieve, PrimeGrid, LLR
L689	Brown1, Srsieve, PrimeGrid, LLR
L690	Cholt, Srsieve, PrimeGrid, LLR
L691	Chambers, Srsieve, PrimeGrid, LLR
L692	Rickard, Srsieve, PrimeGrid, LLR
L693	Schoefer, Srsieve, PrimeGrid, LLR
L694	Stockalis, Srsieve, PrimeGrid, LLR
L695	Vonck, Rieselprime, LLR
L696	Nicol, Srsieve, NPLB, LLR
L697	Kloska1, Srsieve, NPLB, LLR
L698	Lody, Srsieve, NPLB, LLR
L700	Luckham, Srsieve, NPLB, LLR
L701	Davies, Srsieve, NPLB, LLR
L702	Wood _D , <i>Srsieve, PrimeGrid, LLR</i>
L705	Chaton, Srsieve, PrimeGrid, LLR
L707	Dinkel, Srsieve, PrimeGrid, LLR
L708	Ballentyne, Srsieve, PrimeGrid, LLR
L709	Rudnik, Srsieve, PrimeGrid, LLR
L710	Desmond, Srsieve, PrimeGrid, LLR
L711	Smith3, Srsieve, PrimeGrid, LLR
L712	Bergman, Srsieve, PrimeGrid, LLR
L713	Ingram, Srsieve, PrimeGrid, LLR
L714	Sunderland, Srsieve, PrimeGrid, LLR
L715	Schoenrogge, Srsieve, PrimeGrid, LLR
L716	AparisiHermoso, Srsieve, PrimeGrid, LLR
L717	Laluk, Srsieve, PrimeGrid, LLR
L718	Modes, Srsieve, PrimeGrid, LLR
L719	Suchi, Srsieve, PrimeGrid, LLR
L721	Parker, Srsieve, PrimeGrid, LLR
L722	Bulka, Rodenkirch, TwinGen, PrimeGrid, LLR
L723	Chu, Srsieve, PrimeGrid, LLR
L725	Moody, Srsieve, PrimeGrid, LLR
L726	Johnson2, Srsieve, PrimeGrid, LLR
L727	James, Srsieve, PrimeGrid, LLR
L728	Usai, Srsieve, PrimeGrid, LLR
L729	Hill1, Srsieve, PrimeGrid, LLR
L730	Eisenmann, LLR

code	description
L731	Bulka, TwinGen, PrimeGrid, LLR
L732	Embling, Srsieve, PrimeGrid, LLR
L734	Koskinen, Srsieve, PrimeGrid, LLR
L735	Morton, Srsieve, PrimeGrid, LLR
L736	Byrom, Srsieve, LLR
L737	Biesterbosch, Srsieve, PrimeGrid, LLR
L738	Durzinsky, Srsieve, PrimeGrid, LLR
L739	Snow, Srsieve, PrimeGrid, LLR
L740	Wunder, Srsieve, PrimeGrid, LLR
L741	Trussell, Srsieve, PrimeGrid, LLR
L742	Renting, Srsieve, PrimeGrid, LLR
L743	Tamasko, Srsieve, PrimeGrid, LLR
L744	Brienen, Srsieve, PrimeGrid, LLR
L745	Yates, Srsieve, PrimeGrid, LLR
L746	Yoshida, Srsieve, PrimeGrid, LLR
L747	Tuttle, Srsieve, PrimeGrid, LLR
L748	Eiterig, Srsieve, PrimeGrid, LLR
L749	Steinmetz, Srsieve, PrimeGrid, LLR
L750	Joyner, Srsieve, PrimeGrid, LLR
L751	Lachance, Srsieve, PrimeGrid, LLR
L752	Sackrow, Srsieve, PrimeGrid, LLR
L753	Wolfram, Srsieve, PrimeGrid, LLR
L754	Codding, Srsieve, PrimeGrid, LLR
L755	Brase, Srsieve, PrimeGrid, LLR
L756	Pendry, Srsieve, PrimeGrid, LLR
L757	Millette, Srsieve, PrimeGrid, LLR
L758	Nish, Srsieve, PrimeGrid, LLR
L759	Barker, Srsieve, PrimeGrid, LLR
L761	Corrall, Srsieve, PrimeGrid, LLR
L762	Medcalf, Srsieve, PrimeGrid, LLR
L763	Rhodes, Srsieve, PrimeGrid, LLR
L764	Ewing, Srsieve, PrimeGrid, LLR
L765	Wagner, Srsieve, PrimeGrid, LLR
L766	Nye, Srsieve, PrimeGrid, LLR
L767	Cyr, Srsieve, PrimeGrid, LLR
L768	Valk, Srsieve, PrimeGrid, LLR
L769	Chu, Srsieve, NPLB, LLR
L770	Douglass, Srsieve, PrimeGrid, LLR
L771	Liberato, Srsieve, PrimeGrid, LLR
L772	Pfeiffer1, Srsieve, PrimeGrid, LLR
L773	Reeves, Srsieve, PrimeGrid, LLR
L774	Vecchia, Srsieve, PrimeGrid, LLR
L775	Wjtowicz, Srsieve, PrimeGrid, LLR
L776	Guichard, Srsieve, PrimeGrid, LLR
L777	Beane, Srsieve, PrimeGrid, LLR
L778	Tatterson, Srsieve, PrimeGrid, LLR
L779	Gilvey, Srsieve, PrimeGrid, LLR
L780	Brady, Srsieve, PrimeGrid, LLR
L781	Andrews1, Srsieve, PrimeGrid, LLR
L782	Potter2, Srsieve, PrimeGrid, LLR

code	description
L783	Turner1, Srsieve, PrimeGrid, LLR
L784	Vajro, Srsieve, PrimeGrid, LLR
L785	Spall, Srsieve, PrimeGrid, LLR
L786	Pedigo, Srsieve, PrimeGrid, LLR
L787	Wakayama, Srsieve, PrimeGrid, LLR
L788	Bohlke, Srsieve, PrimeGrid, LLR
L789	Little, Srsieve, PrimeGrid, LLR
L790	Ferralli, Srsieve, PrimeGrid, LLR
L791	Schwarz, Srsieve, PrimeGrid, LLR
L792	Brand, Srsieve, PrimeGrid, LLR
L793	Jones _M , <i>Srsieve, PrimeGrid, LLR</i>
L794	Mikula, Srsieve, PrimeGrid, LLR
L795	Rodriguez, Srsieve, PrimeGrid, LLR
L796	Labuiga, Srsieve, PrimeGrid, LLR
L797	Bouchard, Srsieve, PrimeGrid, LLR
L798	<i>LeBouec, Gaillard, NewPGen, LLR</i>
L799	Jung, Srsieve, PrimeGrid, LLR
L800	Gilchrist, Srsieve, NPLB, LLR
L801	Gesker, Gcwsieve, MultiSieve, PrimeGrid, LLR
L802	Zachariassen, Srsieve, NPLB, LLR
L803	Chapman, Srsieve, NPLB, LLR
L804	Brown4, Srsieve, NPLB, LLR
L805	Carpenter1, Srsieve, PrimeGrid, LLR
L806	Stevens, Srsieve, LLR
L807	Lawyer, Srsieve, NPLB, LLR
L808	Hartwig, Srsieve, PrimeGrid, LLR
L809	Russell1, Srsieve, PrimeGrid, LLR
L810	Pont, Srsieve, PrimeGrid, LLR
L811	Englehard, Srsieve, PrimeGrid, LLR
L812	Cremaschi, Srsieve, PrimeGrid, LLR
L813	Beck, Srsieve, PrimeGrid, LLR
L814	Wilder, Srsieve, PrimeGrid, LLR
L815	Kamenyuk, Srsieve, PrimeGrid, LLR
L816	Haines, Srsieve, PrimeGrid, LLR
L817	Helvich, Srsieve, PrimeGrid, LLR
L818	Dunlop, Srsieve, PrimeGrid, LLR
L819	Hampicke, Srsieve, PrimeGrid, LLR
L820	Morales, Srsieve, PrimeGrid, LLR
L821	Reed, Srsieve, PrimeGrid, LLR
L822	Marsh, Srsieve, PrimeGrid, LLR
L823	Park, Srsieve, NPLB, LLR
L824	Barnett, Srsieve, PrimeGrid, LLR
L825	Hudlicka, Srsieve, PrimeGrid, LLR
L826	Leranth, Srsieve, PrimeGrid, LLR
L827	Westphal, Srsieve, PrimeGrid, LLR
L828	Iwata, Srsieve, PrimeGrid, LLR
L829	Vanklein, Srsieve, PrimeGrid, LLR
L830	Hearn, Srsieve, PrimeGrid, LLR
L831	LaMarra, Srsieve, PrimeGrid, LLR
L832	Fries1, Srsieve, PrimeGrid, LLR

code	description
L833	Saksanen, Srsieve, PrimeGrid, LLR
L834	Kaiser1, Srsieve, PrimeGrid, LLR
L835	Ohyanagi1, Srsieve, PrimeGrid, LLR
L836	Morris, Srsieve, PrimeGrid, LLR
L837	AverayJones, Srsieve, PrimeGrid, LLR
L838	Proszenyak, Srsieve, PrimeGrid, LLR
L839	Shapiro, Srsieve, PrimeGrid, LLR
L840	Vogel, Srsieve, Rieselprime, LLR
L841	Wolven, Srsieve, PrimeGrid, LLR
L842	Cavecchia, Srsieve, PrimeGrid, LLR
L843	Parker1, Srsieve, PrimeGrid, LLR
L844	Sheckler, Srsieve, PrimeGrid, LLR
L845	Kemenes, Srsieve, PrimeGrid, LLR
L846	Emery, Srsieve, PrimeGrid, LLR
L847	Mandery, Srsieve, PrimeGrid, LLR
L848	Stockmann, Srsieve, NPLB, LLR
L849	Domanov, Srsieve, PrimeGrid, LLR
L850	Kuehne1, Srsieve, PrimeGrid, LLR
L851	Karlsson, Srsieve, PrimeGrid, LLR
L852	Helander, Srsieve, PrimeGrid, LLR
L853	Endo, Srsieve, PrimeGrid, LLR
L854	Heigaard, Srsieve, PrimeGrid, LLR
L855	Johnson _J , <i>Srsieve, PrimeGrid, LLR</i>
L856	Lawyer, Srsieve, PrimeGrid, LLR
L857	Barrett, Srsieve, PrimeGrid, LLR
L858	Svensson, Srsieve, PrimeGrid, LLR
L859	Guth, Srsieve, PrimeGrid, LLR
L860	Burt, Srsieve, FreeDCPrimeSearch, LLR
L861	Schradick, Srsieve, PrimeGrid, LLR
L862	Lody, Srsieve, FreeDCPrimeSearch, LLR
L863	Adams, Srsieve, PrimeGrid, LLR
L865	Tarnus, Srsieve, PrimeGrid, LLR
L866	Maguire, Srsieve, Rieselprime, LLR
L867	Grankin, Srsieve, PrimeGrid, LLR
L868	Anonymous, Srsieve, PrimeGrid, LLR
L869	Schoenberger1, Srsieve, PrimeGrid, LLR
L870	Marsh, LLR
L871	Upham, Srsieve, PrimeGrid, LLR
L872	Gronow, Srsieve, PrimeGrid, LLR
L873	Loros, Srsieve, PrimeGrid, LLR
L874	James, Srsieve, FreeDCPrimeSearch, LLR
L875	Arai, Srsieve, PrimeGrid, LLR
L876	Pinho, Srsieve, FreeDCPrimeSearch, LLR
L877	Keller88, Srsieve, PrimeGrid, LLR
L878	Brazier, Srsieve, PrimeGrid, LLR
L879	Skorski, Srsieve, PrimeGrid, LLR
L880	Martin1, Srsieve, PrimeGrid, LLR
L881	Thomas, Srsieve, PrimeGrid, LLR
L882	Nascimento, Srsieve, PrimeGrid, LLR
L883	Straubinger1, Srsieve, PrimeGrid, LLR

code	description
L884	Lee1, Srsieve, PrimeGrid, LLR
L885	Vassiladiotis, Srsieve, PrimeGrid, LLR
L886	VanderElst, Srsieve, PrimeGrid, LLR
L887	Platzer, Srsieve, PrimeGrid, LLR
L888	Moreno _A , <i>Srsieve, PrimeGrid, LLR</i>
L889	Sklar, Srsieve, PrimeGrid, LLR
L890	Szabo1, Takacs, Srsieve, PrimeGrid, LLR
L891	Dinkel, TwinGen, PrimeGrid, LLR
L892	Soule, Minovic, Srsieve, Rieselprime, LLR
L893	Blench, Srsieve, FreeDCPrimeSearch, LLR
L894	Soika, Srsieve, PrimeGrid, LLR
L895	Dinkel, Srsieve, LLR
L896	Szostak, Srsieve, PrimeGrid, LLR
L898	Frost1, Srsieve, PrimeGrid, LLR
M	Morain
M1	Mayer, Mihailescu
MC	McCranie, Proth.exe
MM	Morii
O	Oakes
p3	Dohmen, OpenPFGW
p5	Jobling, OpenPFGW
p8	Caldwell, OpenPFGW
p12	Water, OpenPFGW
p16	Heuer, OpenPFGW
p21	Anderson, Robinson, OpenPFGW
p26	Bell, OpenPFGW
p38	Ecob, OpenPFGW
p41	Luhn, OpenPFGW
p42	Oakes, OpenPFGW
p43	Fougeron, OpenPFGW
p44	Broadhurst, OpenPFGW
p48	Binnekamp, OpenPFGW
p49	Berg, OpenPFGW
p54	Water, Broadhurst, OpenPFGW
p58	Glover, Oakes, OpenPFGW
p62	Underwood, PrimeForm _e group, <i>OpenPFGW</i>
p65	DavisK, Kuosa, OpenPFGW
p72	Caldwell, ForEis, PhiSieve, PIES, OpenPFGW
p73	Fougeron, Rosenthal, OpenPFGW
p76	Samidoost, PRP, NewPGen, OpenPFGW
p77	Harvey, MultiSieve, GenWoodall, OpenPFGW
p82	Oakes, Broadhurst, OpenPFGW
p85	Marchal, Carmody, Kuosa, OpenPFGW
p86	Cousins, TwinGen, PRP, PSearch, OpenPFGW
p89	Emmanuel, OpenPFGW
p90	Brown _{Jan} , <i>OpenPFGW</i>
p92	Kapek, OpenPFGW
p94	Angel, Jobling, Augustin, NewPGen, OpenPFGW
p97	Andersen, OpenPFGW
p100	Underbakke, Carmody, PRP, NewPGen, OpenPFGW

code	description
p102	Underwood, Frind, OpenPFGW
p103	Harvey, MultiSieve, OpenPFGW
p108	Sun, OpenPFGW
p110	Wolter, MultiSieve, GenWoodall, OpenPFGW
p113	Anderegg, OpenPFGW
p114	Samidoost, FermFact, PRP, OpenPFGW
p116	Eaton, NewPGen, OpenPFGW
p117	Rodenkirch, MultiSieve, GenWoodall, OpenPFGW
p119	Harvey, MultiSieve, MultiF, OpenPFGW
p120	Minovic, MultiSieve, GenWoodall, OpenPFGW
p122	Sun, PRP, NewPGen, OpenPFGW
p126	Minovic, MultiSieve, OpenPFGW
p132	Aggarwal, LLR, PrimeSierpinski, OpenPFGW
p133	Sun, NewPGen, OpenPFGW
p135	Heuer, PRP, NewPGen, OpenPFGW
p147	Ayuchan, PRP, NewPGen, OpenPFGW
p148	Yama, Noda, Nohara, PRP, NewPGen, MatGFN, OpenPFGW
p149	Rodenkirch, NewPGen, OpenPFGW
p151	Kubota, NewPGen, OpenPFGW
p152	Harvey, PRP, NewPGen, OpenPFGW
p154	Sakai, OpenPFGW
p155	DavisK, NewPGen, OpenPFGW
p156	Murata, Noda, Nohara, PRP, NewPGen, MatGFN, OpenPFGW
p157	<i>P_{Ba}, DeGeest, Rivera, OpenPFGW</i>
p158	Paridon, NewPGen, OpenPFGW
p160	Ayuchan, AthGFNSieve, OpenPFGW
p161	Harvey, FermFact, OpenPFGW
p162	AndersonM, Grobstich, Broadhurst, OpenPFGW
p164	Morain, Broadhurst, OpenPFGW
p166	Yamada, Noda, Nohara, PRP, NewPGen, MatGFN, OpenPFGW
p168	Cami, OpenPFGW
p169	Eaton, PRP, NewPGen, OpenPFGW
p179	DavisK, APTreeSieve, OpenPFGW
p185	Carmody, Ksieve, Tetric, OpenPFGW
p188	Masser, PRP, NewPGen, Riesel5, OpenPFGW
p189	Bohanon, LLR, OpenPFGW
p190	DiMaria, NewPGen, OpenPFGW
p191	Rosink, MultiSieve, OpenPFGW
p193	Irvine, Broadhurst, Primo, OpenPFGW
p194	Soule, NewPGen, OpenPFGW
p196	Masser, Srsieve, PRP, Riesel5, OpenPFGW
p197	Sakai, PRP, NewPGen, OpenPFGW
p199	Broadhurst, NewPGen, OpenPFGW
p200	Soule, LLR, NewPGen, OpenPFGW
p204	Lucas, Srsieve, PRP, Riesel5, OpenPFGW
p212	Pinho, Srsieve, PRP, Riesel5, OpenPFGW
p214	Bird, Srsieve, PRP, Riesel5, OpenPFGW
p215	Lody, Srsieve, PRP, Riesel5, OpenPFGW
p217	Rodenkirch, 3Ps, Srsieve, CRUS, OpenPFGW
p218	Minovic, NewPGen, OpenPFGW

code	description
p219	Samidoost, FermFact, LLR, OpenPFGW
p221	AndersonLee, NewPGen, OpenPFGW
p222	Underbakke, TwinGen, LLR, OpenPFGW
p224	Over, Srsieve, PRP, Riesel5, OpenPFGW
p225	Benson1, Srsieve, PRP, Riesel5, OpenPFGW
p226	Siemelink, LLR, NewPGen, OpenPFGW
p227	Harvey, Srsieve, PRP, OpenPFGW
p228	Jaworski, Srsieve, PRP, OpenPFGW
p229	Zhou, PRP, NewPGen, OpenPFGW
p230	Siemelink, Srsieve, LLR, CRUS, OpenPFGW
p231	Petat, Srsieve, PRP, CRUS, OpenPFGW
p232	Gunn, Srsieve, PRP, Riesel5, OpenPFGW
p234	Reynolds, Gcwsieve, PRP, GenWoodall, OpenPFGW
p235	Bedwell, OpenPFGW
p236	Cooper, PRP, NewPGen, OpenPFGW
p237	Platzer1, Gcwsieve, 3Ps, GenWoodall, OpenPFGW
p238	Dettweiler, 3Ps, Srsieve, CRUS, OpenPFGW
p239	Koen, MultiSieve, GenWoodall, OpenPFGW
p240	Harvey, FermFact, LLR, OpenPFGW
p241	Harvey, Srsieve, LLR, PrimeGrid, OpenPFGW
p242	Rodenkirch, Gcwsieve, 3Ps, MultiSieve, GenWoodall, OpenPFGW
p243	Harvey, Gcwsieve, MultiSieve, LLR, OpenPFGW
p244	Gunn, 3Ps, Srsieve, CRUS, OpenPFGW
p246	Rodenkirch, Srsieve, LLR, Riesel5, OpenPFGW
p249	Makarchuk, LLR, OpenPFGW
p253	Barnes, 3Ps, Srsieve, CRUS, OpenPFGW
PM	Mihailescu
S	Slowinski
SB1	Gibson, Proth.exe, SB, PRP
SB10	Agafonov, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP
SB11	Sunde, SoBSieve, ProthSieve, Ksieve, Proth.exe, SB, PRP
SB2	Burt, Proth.exe, SB, PRP
SB3	Anonymous, 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	<i>TeamprimeRib, SoBSieve, ProthSieve, Ksieve, SB, PRP</i>
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
x8	Smith _p W
x13	Renze
x16	Doumen, Beelen
x23	Water, Renze, Broadhurst, Primo, OpenPFGW
x24	Jarai _Z , <i>Farkas, Csajbok, Kasza, Jarai</i>
x25	Water, Broadhurst, Primo, OpenPFGW
x28	Iskra

code	description
x33	Carmody, Water, Renze, Broadhurst, Primo, OpenPFGW
x34	Caldwell, Broadhurst, OpenPFGW
x36	Irvine, Carmody, Water, Renze, Broadhurst, Primo, OpenPFGW
x37	Zhou, LLR
x38	Broadhurst, Primo, OpenPFGW
x39	Dubner, Keller, Broadhurst, Primo, OpenPFGW
Y	Young
