

[Cu1 1]

Elements (y) of Simple Duan Primes $p = (y^2 + 1)$.

2 x 1912

2826	890	1406	1920	2460	2974	3624	4170	4784	5314	5914	6590
4340	906	1410	1940	2461	2986	3641	4174	4786	5316	5916	6604
6850	910	1416	1964	2470	3016	3650	4176	4754	5370	5964	6614
10384	920	1420	1966	2496	3026	3660	4180	4780	5384	5970	6636
14886	930	1430	1970	2516	3046	3670	4184	4784	5404	5984	6646
16396	936	1434	1974	2534	3054	3686	4206	4786	5420	5990	6704
20400	946	1440	1980	2536	3074	3716	4226	4794	5424	5996	6710
24406	950	1456	1990	2550	3094	3730	4250	4796	5430	6006	6714
26420	960	1460	2006	2570	3106	3734	4260	4834	5446	6010	6724
36430	966	1494	2026	2576	3110	3746	4266	4850	5466	6016	6734
40436	986	1504	2034	2594	3134	3754	4294	4876	5474	6030	6764
54440	1004	1524	2050	2600	3136	3756	4300	4886	5476	6046	6776
56444	1010	1546	2054	2604	3140	3764	4310	4894	5486	6060	6780
66464	1036	1550	2056	2624	3156	3774	4330	4904	5490	6066	6784
74466	1054	1556	2064	2646	3160	3776	4336	4910	5500	6110	6786
84470	1060	1564	2074	2654	3174	3784	4340	4920	5506	6120	6800
90474	1066	1566	2080	2664	3184	3790	4364	4936	5510	6126	6806
94490	1070	1570	2084	2666	3196	3794	4366	4944	5524	6130	6824
110496	1080	1576	2086	2676	3204	3800	4370	4954	5536	6134	6826
116536	1094	1580	2094	2684	3214	3806	4374	4956	5560	6146	6850
120544	1096	1586	2096	2700	3220	3826	4384	4990	5560	6156	6854
124550	1106	1614	2106	2706	3240	3850	4404	5004	5564	6164	6866
126570	1120	1616	2116	2730	3246	3870	4410	5014	5566	6166	6874
130576	1140	1640	2120	2736	3254	3884	4414	5016	5574	6176	6884
134584	1144	1644	2126	2746	3266	3890	4444	5030	5584	6190	6910
146594	1146	1654	2136	2754	3274	3894	4456	5044	5586	6216	6926
150634	1150	1660	2154	2760	3280	3900	4474	5054	5590	6226	6930
156630	1156	1664	2174	2766	3290	3910	4486	5056	6206	6234	6944
160644	1174	1674	2210	2770	3304	3924	4496	5076	6206	6236	6956
170646	1176	1676	2224	2776	3306	3946	4504	5080	6246	6240	6970
176654	1184	1684	2260	2780	3314	3966	4510	5086	6254	6254	6980
180674	1210	1686	2266	2794	3326	3984	4524	5120	6266	6266	6984
184680	1244	1700	2286	2804	3334	3994	4530	5126	6274	6306	6990
204686	1246	1716	2294	2824	3340	4006	4534	5154	6276	6314	6996
206690	1274	1736	2304	2834	3350	4024	4540	5170	6340	6340	7010
210696	1276	1756	2310	2836	3356	4026	4554	5176	6356	6350	7014
224700	1290	1766	2314	2850	3360	4034	4566	5180	6360	6360	7016
230704	1294	1774	2320	2864	3374	4046	4590	5194	6374	6366	7044
236714	1306	1784	2326	2876	3390	4056	4600	5200	6384	6400	7050
240716	1314	1790	2330	2884	3396	4070	4604	5204	6384	6406	7066
250740	1316	1794	2336	2890	3440	4080	4606	5226	6384	6424	7100
256750	1320	1816	2354	2896	3474	4086	4614	5236	6390	6460	7114
260760	1324	1824	2360	2900	3480	4114	4616	5246	6394	6480	7130
264764	1340	1850	2380	2916	3490	4204	4644	5254	6394	6514	7150
270780	1350	1860	2404	2924	3504	4244	4650	5266	6396	6530	7160
280784	1354	1870	2406	2926	3516	4264	4666	5264	6396	6536	7164
284816	1366	1876	2420	2934	3520	4264	4676	5284	6396	6540	7190
288826	1374	1884	2430	2944	3530	4264	4676	5284	6396	6546	7216
292860	1376	1894	2434	2960	3534	4264	4676	5284	6396	6550	7210
311864	1394	1910	2456	2964	3536	4264	4676	5284	6396	6576	7244

Elements (y) of Simple Duan Primes $p = (y^2 + 1)$.

7260	8014	8784	9460	10126	10790	11456	12154	12816	13550	14220
7256	8030	8786	9474	10130	10796	11480	12184	12820	13576	14264
7304	8034	8790	9476	10150	10804	11514	12194	12844	13620	14270
7316	8064	8816	9486	10160	10814	11520	12214	12854	13650	14290
7326	8080	8846	9494	10166	10836	11560	12224	12874	13656	14294
7364	8100	8854	9520	10216	10840	11566	12234	12876	13660	14330
7384	8114	8876	9530	10240	10844	11586	12256	12880	13666	14356
7404	8116	8880	9546	10246	10846	11596	12276	12896	13674	14374
7410	8174	8894	9554	10256	10854	11600	12294	12910	13680	14380
7414	8176	8940	9564	10270	10866	11610	12300	12920	13686	14406
7420	8180	8964	9596	10276	10890	11626	12314	12926	13724	14410
7434	8184	8974	9600	10284	10894	11650	12334	12964	13754	14414
7456	8194	8976	9630	10294	10896	11674	12336	12970	13756	14426
7460	8196	8996	9650	10324	10914	11680	12344	12986	13786	14466
7466	8206	9000	9666	10326	10936	11720	12354	13056	13806	14476
7474	8216	9010	9670	10350	10960	11750	12356	13064	13820	14484
7490	8226	9016	9696	10360	10966	11766	12366	13066	13830	14486
7504	8230	9020	9714	10376	10970	11790	12386	13076	13846	14494
7516	8254	9024	9724	10384	10984	11800	12390	13090	13854	14496
7520	8270	9046	9744	10414	11010	11804	12396	13100	13870	14504
7524	8290	9054	9760	10416	11024	11810	12404	13106	13880	14506
7536	8296	9120	9770	10424	11026	11814	12416	13110	13886	14544
7550	8304	9124	9786	10426	11034	11816	12434	13130	13900	14550
7566	8324	9126	9804	10430	11056	11830	12450	13136	13924	14560
7604	8350	9154	9806	10490	11074	11866	12454	13180	13940	14566
7624	8376	9164	9826	10504	11076	11886	12460	13224	13964	14576
7656	8386	9180	9844	10506	11096	11894	12484	13246	13984	14580
7674	8420	9204	9860	10516	11116	11910	12486	13254	13994	14606
7716	8424	9214	9874	10520	11130	11924	12490	13266	14000	14634
7720	8434	9240	9876	10530	11154	11934	12506	13274	14010	14636
7734	8454	9246	9880	10550	11170	11946	12546	13284	14016	14660
7744	8500	9260	9894	10556	11200	11970	12564	13286	14020	14674
7754	8540	9266	9896	10560	11204	11980	12570	13310	14026	14694
7770	8550	9270	9900	10580	11236	11990	12590	13336	14034	14714
7774	8554	9276	9904	10594	11244	11996	12614	13344	14036	14716
7780	8576	9280	9956	10614	11246	12000	12620	13350	14040	14746
7796	8584	9294	9970	10634	11256	12014	12624	13360	14086	14774
7804	8610	9310	9980	10640	11270	12016	12630	13376	14104	14790
7806	8626	9314	9986	10654	11286	12024	12634	13390	14120	14814
7810	8634	9324	9990	10666	11320	12036	12636	13394	14144	14824
7820	8656	9336	10006	10674	11330	12060	12684	13420	14156	14826
7836	8670	9340	10014	10690	11336	12064	12694	13430	14166	14850
7854	8680	9356	10016	10700	11346	12084	12710	13436	14180	14886
7856	8684	9374	10024	10726	11350	12090	12724	13466	14186	14914
7864	8694	9386	10050	10734	11364	12094	12730	13490	14190	14926
7906	8706	9406	10056	10744	11374	12096	12744	13506	14194	14986
7916	8720	9424	10074	10764	11400	12120	12756	13516	14196	14940
7944	8750	9426	10084	10770	11404	12126	12764	13520	14200	14950
7946	8760	9434	10086	10780	11416	12140	12766	13534	14210	14996
7956	8774	9436	10116	10784	11436	12144	12776	13546	14240	14990

Cumingham Please enter 2650-2650
(11 seqs)
[Cu1 1]

This Table gives the Elements (y) of all the Simple Duan Primes $p = (y^2 + 1) > 235$

1912
2384
2640
2650
2407
6987

PRIME FACTORS (p) OF SIMPLE DUANS.

Elements (y) of Primes p = 1/10 N = 1/10 (y^2 + 1). (Continued from page 243.)

Table with 2 rows of prime factor elements for p = 1/10 N.

Elements (y) of Primes p = 1/3 N = 1/3 (y^2 + 1).

Table with 10 columns of prime factor elements for p = 1/3 N.

omit

Elements (y) of Primes p = 1/17 N = 1/17 (y^2 + 1).

Table with 10 columns of prime factor elements for p = 1/17 N.

These Tables give the Elements (y) of all Primes p = 1/m (y^2 - 1), [m = 10, 13, 17], up to y = 15,000.

2384

Elements (y) of Simple Cuban Primes p = N = (y^3 - 1) / (y - 1).

Table with 10 columns of prime factor elements for Simple Cuban Primes.

2640

$\frac{y^2+y+1}{3}$ is prime

2640
(cont)

SIMPLE TRITO-CUBAN PRIMES.

Elements (y) of Simple Trito-Cuban Primes, $p = \frac{1}{3}N = \frac{1}{3}(y^3-1) \div (y-1)$.

Table of Simple Trito-Cuban Primes for page 248, listing elements (y) in a grid format.

Elements (y) of Simple Trito-Cuban Primes (continued).

Table of Simple Trito-Cuban Primes for page 249, continuing the list of elements (y) in a grid format.

This Table gives the Elements of all Primes $p = \frac{1}{3}(y^3-1) \div (y-1) \neq 75, 10, 2 \kappa$

Elements (y) of Primes $p = \frac{1}{3}N = \frac{1}{3}(y^3-1) \div (y-1)$.

Table with 4 columns of numbers, listing prime factors for various values of y. Includes handwritten '2641' and '2081' with arrows pointing to specific rows.

Elements (y) of Primes $p = \frac{1}{7}N = \frac{1}{7}(y^3-1) \div (y-1)$.

Table with 4 columns of numbers, listing prime factors for various values of y.

Handwritten '2642' with an arrow pointing to a row in the table below.

Elements (y) of Primes $p = \frac{1}{13}N = \frac{1}{13}(y^3-1) \div (y-1)$.

Table with 4 columns of numbers, listing prime factors for various values of y.

1- These Tables give the Elements (y) of all Primes $p = \frac{1}{\mu}(y^3-1) \div (y-1)$, [$\mu = 7, 13$], up to $y > 15,000$.

2643

252

PRIME FACTORS (p) OF SIMPLE CUBANS.

Elements (p) of Primes $p = \frac{1}{3}N = \frac{1}{3}(y^3 - 1) \div (y - 1)$.

Table with 4 columns of prime factors for simple cubans. Rows are numbered 7 to 201.

2644

Table with 4 columns of prime factors for simple cubans. Rows are numbered 4 to 541.

These Tables give the Elements (p) of all Primes p = 1/3(y^3 - 1) for [y = 19, 21], up to y = 15,000.

2645

QUARTAN PRIMES.

253

Quartan Primes, $p = x^4 + y^4$ [x odd, y even].

Table with 8 columns showing prime factors for quartan primes. Columns are labeled p, x, y, p, x, y, p, x, y. Rows are numbered 17 to 279.

Continued on page 255.

2646 → Half-Quartan Primes, $p = \frac{1}{2}(x^4 + y^4)$. [x and y odd].

v	x, y	p	x, y	p	x, y	p	x, y
1	1, 1	353 681	29, 3	2 057 633	45, 11	4 715 233	55, 23
41	3, 1	378 953	29, 15	2 092 073	45, 17	4 795 481	51, 41
313	5, 1	405 641	27, 23	2 093 801	39, 37	4 928 953	55, 29
353	5, 3	450 881	29, 21	2 163 193	41, 35	4 932 713	49, 45
1 201	7, 1	461 801	31, 3	2 171 161	43, 31	5 101 961	53, 39
3 593	9, 5	462 073	31, 5	2 190 233	45, 23	5 278 001	57, 1
4 481	9, 7	465 041	31, 9	2 439 881	47, 3	5 319 761	57, 17
7 321	11, 1	476 041	31, 13	2 440 153	47, 5	5 473 313	57, 25
8 521	11, 7	487 073	31, 15	2 441 041	47, 7	5 654 641	53, 43
10 601	11, 9	548 953	29, 25	2 447 161	47, 11	5 822 441	61, 47
14 281	13, 1	559 001	31, 21	2 454 121	47, 13	5 988 193	55, 41
14 321	13, 3	593 273	33, 5	2 481 601	47, 17	6 028 313	57, 35
14 593	13, 5	594 161	33, 7	2 537 081	47, 21	6 058 993	59, 5
21 001	13, 11	750 313	35, 1	2 705 561	47, 27	6 083 993	59, 15
26 513	15, 7	750 353	35, 3	2 703 481	47, 29	6 123 841	59, 19
32 633	15, 11	757 033	35, 11	2 806 121	43, 39	6 198 601	59, 23
41 761	17, 1	764 593	35, 13	2 882 441	49, 3	6 253 993	59, 25
41 801	17, 3	792 073	35, 17	2 901 601	47, 31	6 265 001	51, 49
42 073	17, 5	815 401	31, 29	2 907 713	49, 15	6 324 401	59, 27
42 961	17, 7	937 121	37, 3	2 947 561	49, 19	6 412 321	59, 29
49 081	17, 11	940 361	37, 9	3 032 801	47, 33	6 520 441	59, 31
56 041	17, 13	951 361	37, 13	3 122 281	43, 41	6 690 881	57, 41
66 361	19, 7	1 002 241	37, 19	3 148 121	49, 27	6 922 921	61, 1
67 073	17, 15	1 016 033	35, 27	3 190 153	47, 35	6 930 241	61, 11
72 481	19, 11	1 054 721	33, 31	3 236 041	49, 29	6 948 233	61, 15
90 473	19, 15	1 132 393	37, 25	3 344 161	49, 31	6 995 761	59, 37
97 241	21, 1	1 156 721	39, 1	3 383 801	51, 7	7 020 161	61, 21
97 553	21, 5	1 157 033	39, 5	3 522 521	51, 23	7 215 401	59, 39
104 361	21, 11	1 108 481	39, 17	3 577 913	51, 25	7 471 561	59, 41
106 921	19, 17	1 398 841	37, 31	3 736 241	51, 29	7 768 081	59, 43
111 521	21, 13	1 414 081	41, 7	3 759 713	45, 43	7 941 641	63, 19
139 921	23, 1	1 416 161	41, 9	3 819 481	49, 37	8 160 401	57, 49
141 121	23, 7	1 420 201	41, 11	3 948 521	53, 9	8 230 121	63, 29
165 233	23, 15	1 510 121	41, 21	3 952 561	53, 11	8 338 241	63, 31
195 353	25, 3	1 510 361	39, 29	3 987 001	53, 17	8 925 313	65, 1
198 593	25, 9	1 618 481	39, 31	4 132 913	51, 35	8 928 593	65, 9
205 681	23, 19	1 678 601	41, 27	4 295 281	49, 41	8 967 073	65, 17
237 073	25, 17	1 687 393	37, 35	4 298 881	53, 29	9 223 241	57, 53
237 161	23, 21	1 709 713	43, 5	4 319 681	51, 37	9 278 953	65, 29
266 921	27, 7	1 710 601	43, 7	4 580 593	55, 13	9 441 281	59, 51
280 601	27, 13	1 734 713	43, 15	4 591 801	49, 43	9 585 881	63, 43
307 341	27, 15	1 973 121	43, 27	4 617 073	55, 17	9 853 313	67, 17
353 641	29, 1	2 005 841	41, 33	4 672 553	55, 21	9 862 393	65, 37

↳ This Table gives all Half-Quartan Primes, $p = \frac{1}{2}(x^4 + y^4) \nless 10^7$.

Quartan Primes
(Continued from page 253).

p	x, y
6 700 897	39, 46
6 925 201	51, 20
6 964 817	47, 38
6 999 457	51, 22
7 101 137	49, 34
7 166 897	43, 44
7 222 177	51, 26
7 326 257	11, 52
7 435 921	33, 50
7 439 681	47, 40
7 506 097	21, 52
7 591 457	23, 52
7 813 777	51, 32
7 843 057	27, 52
7 891 777	53, 6
7 894 577	53, 8
7 900 481	53, 10
7 911 217	53, 12
7 928 897	53, 14
8 030 481	53, 20
8 124 161	37, 50
8 222 257	53, 24
8 324 801	49, 40
8 503 057	1, 54
8 503 681	5, 54
8 505 137	53, 28
8 531 617	13, 54
8 586 577	17, 54
8 627 777	47, 44
8 633 377	19, 54
8 812 241	35, 52
8 939 057	53, 32
9 075 761	41, 50
9 189 041	55, 14
9 216 161	55, 16
9 226 817	53, 34
9 255 601	55, 18
9 426 577	31, 54
9 834 497	1, 56
9 918 017	17, 50

↳ This Table gives all Quartan Primes, $p = (x^4 + y^4) \nless 10^7$.

High Quartan Primes,
 $p = (x^4 + y^4)$,
[x odd, y even].

p	x, y
29 986 577	1, 74
40 960 001	1, 80
45 212 177	1, 82
59 969 537	1, 88
65 610 001	1, 90
100 000 081	3, 100
100 006 361	9, 100
126 247 697	1, 106
193 877 777	1, 118
303 595 777	1, 132
384 160 001	1, 140
406 586 897	1, 142
562 448 657	1, 154
655 360 001	1, 160
723 394 817	1, 164
916 636 177	1, 174
1 049 760 001	1, 180
1 416 468 497	1, 194
1 536 953 617	1, 198
1 731 891 457	1, 204
1 944 810 001	1, 210
2 342 560 001	1, 220
2 702 336 257	1, 228

↳ This List is complete (with $x=1$) up to $y \nless 236$.

High Half-Quartan Primes,
 $p = \frac{1}{2}(1 + y^4)$, [y odd].

p	x, y
B 12 705 841	1, 71
B 14 199 121	1, 73
BJ 21 523 361	1, 81
56 275 441	1, 103
60 775 313	1, 105
81 523 681	1, 113
87 450 313	1, 115
100 266 961	1, 119
107 182 721	9, 121
138 461 441	1, 129
273 990 641	1, 153
370 600 313	1, 165
407 865 361	1, 169
427 518 041	1, 171
784 119 601	1, 199
849 090 841	1, 203
883 050 313	1, 205
1 984 563 001	1, 251
2 249 930 281	1, 259

↳ This List is complete (with $x=1$) up to $y \nless 265$.

Sextan Primes. $p = (x^6 + y^6) \div (x^2 + y^2)$.

p	x, y	p	x, y	p	x, y	p	x, y
1	1, 1	79 153	17, 1	479 761	23, 28	1 352 521	35, 33
13	1, 2	81 001	17, 3	495 613	27, 26	1 388 593	17, 36
61	3, 2	83 233	1, 17	513 841	27, 5	1 405 603	37, 26
73	1, 3	97 501	5, 18	530 713	1, 27	1 417 393	37, 24
193	3, 4	99 721	19, 15	547 753	29, 17	1 429 801	37, 23
241	1, 4	101 281	19, 11	554 641	29, 24	1 457 821	35, 6
541	5, 2	107 641	19, 9	557 521	29, 16	1 481 281	35, 4
601	1, 5	118 621	19, 6	572 281	29, 25	1 486 561	37, 20
1 021	5, 6	121 921	19, 5	595 741	29, 26	1 489 153	13, 36
1 801	7, 5	126 241	11, 20	606 913	29, 12	1 510 273	37, 19
1 873	7, 4	127 921	17, 20	607 681	3, 28	1 535 581	37, 18
1 933	7, 6	134 161	9, 20	613 741	23, 30	1 537 441	11, 36
2 221	7, 2	148 513	21, 13	620 161	29, 11	1 563 901	27, 38
3 121	5, 8	165 601	21, 19	694 081	29, 4	1 569 241	37, 33
3 361	7, 8	170 353	21, 8	694 201	31, 21	1 620 973	31, 38
4 993	9, 7	184 081	21, 5	699 793	29, 3	1 642 813	21, 38
5 521	9, 4	189 853	19, 22	701 761	31, 24	1 678 321	1, 36
6 481	1, 9	209 953	23, 16	706 921	31, 19	1 753 441	39, 25
8 461	9, 10	210 481	23, 17	717 133	31, 18	1 775 281	39, 31
9 181	3, 10	211 441	23, 15	768 301	7, 30	1 788 673	39, 23
9 001	1, 10	219 001	23, 13	784 753	31, 28	1 790 641	37, 8
10 993	11, 8	224 401	23, 12	789 673	31, 13	1 804 513	39, 32
11 113	11, 7	229 981	3, 22	791 473	21, 32	1 809 481	37, 7
12 241	11, 5	243 553	23, 9	805 873	31, 12	1 811 533	39, 22
12 541	11, 10	254 161	19, 24	809 101	1, 30	1 816 861	35, 38
13 633	11, 3	258 061	23, 22	836 161	17, 32	1 826 173	37, 6
14 173	11, 2	275 161	23, 3	868 801	15, 32	1 840 561	37, 5
17 761	5, 12	276 721	11, 24	878 833	31, 7	1 861 921	37, 3
20 593	1, 12	277 741	23, 2	890 221	31, 6	1 868 701	37, 2
21 433	13, 9	306 541	25, 14	900 121	31, 5	1 891 501	39, 34
21 661	13, 10	306 913	23, 24	919 693	31, 2	1 921 681	29, 40
21 841	13, 8	309 481	25, 21	922 561	1, 31	1 925 041	27, 40
23 773	13, 6	313 561	25, 13	946 801	33, 28	1 993 441	23, 40
26 113	13, 4	318 001	5, 24	988 033	31, 32	2 083 693	1, 38
27 901	13, 2	339 841	25, 23	1 004 461	25, 34	2 122 513	41, 28
28 393	1, 13	343 261	19, 26	1 023 601	5, 32	2 144 041	39, 11
29 101	9, 14	345 133	17, 26	1 030 441	33, 13	2 171 341	39, 10
34 141	5, 14	346 561	25, 9	1 062 913	33, 31	2 181 073	41, 33
41 161	15, 13	353 341	21, 26	1 120 321	33, 8	2 189 281	41, 24
49 201	11, 16	355 501	15, 26	1 126 861	15, 34	2 202 253	39, 38
49 741	15, 2	380 881	25, 4	1 129 501	35, 26	2 218 861	41, 34
50 833	13, 16	385 081	25, 3	1 134 961	33, 7	2 220 193	39, 8
51 361	9, 16	390 001	1, 25	1 139 041	35, 27	2 241 313	39, 7
63 241	17, 13	410 353	27, 16	1 148 941	31, 34	2 276 041	39, 5
63 313	3, 16	425 101	25, 26	1 177 681	35, 29	2 307 373	39, 2
64 021	17, 10	425 641	27, 23	1 181 581	33, 2	2 311 921	1, 39
65 293	17, 14	426 253	7, 26	1 188 721	35, 19	2 308 633	11, 37
71 761	17, 7	426 973	27, 14	1 263 373	33, 31	2 399 821	25, 12
74 413	17, 6	436 801	27, 13	1 282 093	7, 31	2 400 961	11, 16
78 781	13, 18	466 441	27, 25	1 322 161	35, 13	2 545 681	3, 40

Continued on page 257.

Sextan Primes (Continued from page 256).

p	x, y	p	x, y	p	x, y	p	x, y
2 564 701	43, 30	4 433 281	47, 15	6 909 841	55, 36	9 138 541	55, 2
2 570 233	41, 13	4 452 841	49, 20	6 941 293	47, 54	9 147 601	1, 55
2 570 941	37, 42	4 483 201	49, 40	6 999 073	11, 52	9 168 961	59, 45
2 571 073	43, 29	4 545 913	49, 27	7 043 713	51, 52	9 226 033	59, 37
2 582 401	41, 39	4 554 481	49, 41	7 085 341	53, 18	9 307 513	59, 47
2 637 001	41, 11	4 582 321	47, 12	7 240 333	23, 54	9 405 553	59, 48
2 653 801	43, 25	4 598 701	49, 26	7 287 361	3, 52	9 587 041	9, 56
2 654 401	43, 35	4 654 801	49, 25	7 308 913	1, 52	9 734 161	41, 60
2 702 113	43, 36	4 701 661	37, 50	7 313 881	55, 29	9 831 361	1, 56
2 722 273	41, 8	4 726 081	17, 48	7 349 473	53, 51	9 957 613	57, 14
2 758 141	43, 22	4 760 941	39, 50	7 378 081	39, 56		
2 810 713	41, 31	4 771 021	31, 50	7 378 333	53, 14		
2 819 053	41, 2	4 773 841	47, 7	7 393 681	55, 28		
2 839 201	43, 20	4 774 513	49, 22	7 476 841	55, 27		
2 912 893	11, 42	4 854 781	29, 50	7 562 701	55, 26		
2 919 913	43, 39	4 870 861	47, 2	7 580 701	19, 54		
2 971 873	37, 44	4 947 601	13, 48	7 606 561	53, 52		
3 020 401	43, 40	5 189 161	51, 31	7 619 581	53, 10		
3 075 601	45, 32	5 207 341	23, 50	7 652 401	55, 49		
3 088 801	21, 44	5 306 113	1, 48	7 714 801	53, 8		
3 094 813	43, 14	5 387 593	49, 13	7 740 001	55, 24		
3 096 061	45, 34	5 439 793	49, 12	7 820 881	53, 5		
3 127 681	45, 28	5 477 821	19, 50	7 845 793	53, 4		
3 134 881	43, 13	5 488 921	49, 11	7 865 281	53, 3		
3 188 701	45, 26	5 499 841	35, 52	7 917 601	57, 40		
3 268 861	42, 42	5 530 201	51, 25	7 920 193	57, 41		
3 353 533	43 6	5 576 881	49, 9	8 014 033	57, 44		
3 354 781	45, 22	5 636 593	31, 52	8 047 801	55, 51		
3 402 241	43, 3	5 730 721	43, 52	8 164 861	11, 54		
3 416 953	1, 43	5 744 833	29, 52	8 258 641	57, 47		
3 454 813	37, 46	5 871 841	27, 52	8 265 121	25, 56		
3 499 921	45, 19	5 899 273	51, 47	8 277 601	57, 32		
3 598 921	45, 17	5 929 633	53, 36	8 357 233	57, 31		
3 655 633	7, 44	5 979 613	53, 34	8 359 921	55, 17		
3 666 241	47, 32	6 115 441	53, 43	8 362 573	7, 54		
3 729 721	47, 37	6 161 041	23, 52	8 441 761	55, 16		
3 738 781	21, 46	6 172 381	53, 30	8 487 373	41, 58		
3 775 201	45, 43	6 200 353	53, 44	8 543 881	55, 53		
3 800 761	47, 27	6 218 161	47, 52	8 667 961	55, 13		
3 833 233	47, 39	6 293 821	51, 14	8 735 761	55, 12		
3 949 453	17, 46	6 385 213	37, 54	8 765 101	47, 58		
3 983 773	43, 46	6 448 573	53, 26	8 816 653	57, 26		
3 986 641	35, 48	6 602 833	51, 8	8 832 721	19, 56		
4 148 413	13, 46	6 684 361	53, 28	8 839 021	33, 58		
4 156 081	47, 20	6 726 961	53, 48	8 915 953	53, 56		
4 230 061	11, 46	6 753 841	15, 52	9 007 213	31, 58		
4 332 721	49, 36	6 757 981	29, 51	9 091 561	59, 41		
4 376 173	7, 46	6 765 181	53, 22	9 099 793	59, 48		
4 382 893	49, 38	6 846 193	53, 21	9 123 481	55, 3		
4 425 181	5, 46	6 883 561	55, 37	9 136 201	59, 39		

High Simple Sextan Primes, $p = (1^6 + y^6) \div (1^2 + y^2)$.

p	x, y
13 842 121	1, 61
14 772 493	1, 62
17 846 401	1, 65
47 451 433	1, 83
71 630 833	1, 92
78 066 061	1, 94
96 049 801	1, 99
99 990 001	1, 100
116 975 041	1, 104
121 539 601	1, 105
141 146 281	1, 109
168 883 021	1, 114
193 863 853	1, 118
252 031 501	1, 126
294 482 761	1, 131
759 305 581	1, 166
796 565 953	1, 168
815 702 161	1, 169
875 183 473	1, 172
1 121 479 633	1, 183
1 171 316 401	1, 185
1 303 173 001	1, 190
1 416 430 801	1, 194
1 475 750 641	1, 196
1 536 914 413	1, 198
1 907 986 081	1, 209
2 517 580 801	1, 224
2 562 840 001	1, 225
2 750 006 041	1, 229
2 847 342 961	1, 231
1 000 999 999 001	1, 1000

This Table is complete for $x = 1$ up to $y > 238$.

2647

6686 OCTAVAN, DUODECIMAN, & C. PRIMES.

Octavan Primes.

$p = x^8 + y^8$		x, y
$p < 10^7$	257	1, 2
	65 537	1, 4
	2 070 241	5, 6
Complete to $p \geq 10^7$		
$p > 10^7$	100 006 561	3, 10
$p > 10^7$	None $> 10^7$, up to $4 \cdot 10^{12}$	1, y

Half-Octavan Primes.

$p = \frac{1}{2}(x^8 + y^8)$		x, y
$p < 10^7$	1	1, 1
	198 593	3, 5
Complete to $p \geq 10^7$		
$p > 10^7$	BJ 21 523 361	1, 9
	107 182 721	3, 4
	407 865 361	1, 13
$p > 10^7$	No more $< 189 \cdot 10^8$	1, y

6687

Duodeciman Primes.

$p = (x^{12} + y^{12}) \div (x^4 + y^4)$		x, y	$p = (x^{12} + y^{12}) \div (x^4 + y^4)$		x, y
$p < 10^7$	1	1, 1	$p > 10^7$	12 707 521	7, 8
	241	1, 2		39 330 721	9, 5
	5 521	3, 2		41 432 641	9, 4
	6 481	1, 3		42 942 001	9, 2
	51 361	3, 4		99 990 001	1, 10
	346 561	3, 5		815 702 161	1, 13
	380 881	5, 2		1 475 750 641	1, 14
	390 001	1, 5		2 562 840 001	1, 15
	1 678 321	1, 6		Complete to $p \geq 10^{10}$	
	4 332 721	7, 6			
	4 654 801	7, 5			
5 576 881	7, 3				
Complete to $p \geq 10^7$					

Sextodeciman Primes.

65 537 = $(1^{16} + 2^{16})$.
 $1 = \frac{1}{2}(1^{16} + 1^{16})$.
 21 523 361 = $\frac{1}{2}(1^{16} + 3^{16})$.

24-man Primes.

$1 = (1^{24} + 1^{24}) \div (1^8 + 1^8)$.
 $41 432 641 = (3^{24} + 2^{24}) \div (3^8 + 2^8)$.

2407

CUBAN PRIMES.

Cuban Primes $p = (x^3 - y^3) \div (x - y)$, up to $p \geq 10^6$, $[x - y = 1]$.

p	x	p	x	p	x	p	x	p	x	p	x
1	1	10 267	59	81 181 165	200 467	259	383 419 358	698 419	483		
7	2	11 719	63	82 171 166	202 021	260	387 721 360	707 131	486		
19	3	12 097	64	87 211 171	213 067	267	398 581 365	733 591	495		
37	4	13 267	67	88 237 172	231 019	278	407 377 369	742 519	498		
61	5	13 669	68	89 269 173	234 361	280	423 001 376	760 537	504		
127	7	16 651	75	92 401 176	241 117	284	436 627 382	769 627	507		
271	10	19 441	81	96 661 180	246 247	287	452 797 389	772 669	508		
331	11	19 927	82	102 121 185	251 431	290	459 817 392	784 897	512		
397	12	22 447	87	103 231 186	260 191	295	476 407 399	791 047	514		
547	14	23 497	89	104 347 187	263 737	297	478 801 400	812 761	521		
631	15	24 571	91	110 017 192	267 307	299	493 291 406	825 301	525		
919	18	25 117	92	112 327 194	276 337	304	522 919 418	837 937	529		
1 657	24	26 227	94	114 661 196	279 991	306	527 941 420	847 477	532		
1 801	25	27 361	96	115 837 197	283 669	308	553 411 430	863 497	537		
1 951	26	33 391	106	126 691 206	285 517	309	574 219 438	879 667	542		
2 269	28	35 317	109	129 169 208	292 969	313	584 767 442	886 177	544		
2 437	29	42 841	120	131 671 210	296 731	315	590 077 444	895 987	547		
2 791	31	45 757	124	135 469 213	298 621	316	592 741 445	909 151	551		
3 169	33	47 251	126	140 617 217	310 087	322	595 411 446	915 769	553		
3 571	35	49 537	129	144 541 220	329 677	332	603 457 449	925 741	556		
4 219	38	50 311	130	145 861 221	333 667	334	608 851 451	929 077	557		
4 447	39	55 897	137	151 201 225	337 681	336	611 557 452	932 419	558		
5 167	42	59 221	141	155 269 228	347 821	341	619 711 455	939 121	560		
5 419	43	60 919	143	163 567 234	351 919	343	627 919 458	952 597	564		
6 211	46	65 209	148	169 219 238	360 187	347	650 071 466	972 991	570		
7 057	49	70 687	154	170 647 239	368 551	351	658 477 469	976 411	571		
7 351	50	73 477	157	176 419 243	372 760	353	666 937 472	986 707	574		
8 269	53	74 419	158	180 811 246	374 887	354	689 761 480	990 151	575		
9 241	56	75 367	159	189 757 252	377 011	355	692 641 481	997 057	577		

Cuban Primes $p = (x^3 - y^3) \div (x - y)$, up to $p \geq 10^6$, $[x - y = 2]$.

2648

p	x	p	x	p	x	p	x	p	x	p	x
1	1	13 873	69	76 801 161	193 549 255	355 009 345	618 349 455				
13	3	18 253	79	84 673 169	209 089 265	363 313 349	640 333 463				
109	7	20 173	83	106 033 189	221 953 273	367 501 351	645 889 465				
193	9	21 169	85	108 301 191	238 573 283	397 489 365	685 453 479				
433	13	22 189	87	112 909 195	245 389 287	410 701 371	720 301 491				
769	17	28 813	99	115 249 197	259 309 295	415 153 373	762 049 505				
1 201	21	37 633	113	129 793 209	270 001 301	424 129 377	786 433 513				
1 453	23	43 201	121	139 969 217	273 613 303	433 201 381	823 729 525				
2 029	27	47 629	127	142 573 219	280 909 307	442 369 385	842 701 531				
3 469	35	60 493	143	147 853 223	284 593 309	534 253 423	940 801 561				
3 889	37	63 949	147	169 933 239	299 569 317	544 429 427	961 069 567				
4 801	41	65 713	149	172 801 241	307 201 321	549 553 429	967 873 569				
10 093	59	69 313	153	178 609 245	326 701 331	565 069 435					
12 289	65	73 009	157	181 549 247	342 733 339	596 749 447					

[CU1 2]

26697

Quintan Primes $p = (x^5 - y^5) \div (x - y)$, < 10 million.

Complete up to 10 million.

p	x, y	p	x, y	p	x, y	p	x, y
5	1, 1	330 241	17, 15	1 694 221	35, 4	5 253 121	33, 31
31	2, 1	337 661	20, 11	1 697 191	33, 10	5 403 921	43, 16
211	3, 2	346 201	24, 1	1 746 481	32, 13	5 593 591	47, 6
1 031	5, 2	362 101	21, 10	1 803 001	25, 24	5 660 581	44, 15
2 801	7, 1	371 281	17, 16	1 929 121	32, 15	5 707 861	36, 29
4 651	6, 5	378 151	23, 6	2 017 801	35, 9	5 754 901	45, 13
5 261	7, 4	391 891	22, 9	2 056 891	31, 18	5 826 451	41, 22
6 841	7, 5	418 921	24, 5	2 236 651	37, 6	6 010 111	49, 2
8 431	9, 2	429 181	19, 15	2 311 741	31, 20	6 078 881	41, 23
14 251	10, 3	443 881	25, 3	2 370 481	35, 13	6 214 321	48, 7
17 891	11, 2	473 841	19, 16	2 400 971	38, 5	6 377 551	50, 1
20 101	11, 3	562 501	23, 12	2 612 821	36, 13	6 524 891	38, 29
21 121	9, 7	572 521	25, 8	2 618 521	33, 19	6 539 581	45, 17
22 621	12, 1	593 381	20, 17	2 625 641	40, 1	6 569 011	49, 6
22 861	11, 4	624 451	26, 7	2 686 381	29, 25	6 619 471	46, 15
26 321	11, 5	637 421	28, 1	2 767 361	40, 3	6 730 661	41, 25
30 941	13, 1	632 081	27, 5	2 861 461	28, 27	6 637 621	39, 28
33 751	13, 2	686 041	25, 11	2 876 591	29, 26	6 734 521	47, 13
36 061	11, 7	723 901	20, 19	2 952 361	31, 24	6 754 991	43, 22
41 141	13, 4	732 541	29, 1	3 107 701	36, 17	6 888 841	49, 8
46 021	13, 5	782 861	25, 13	3 117 481	37, 15	7 086 451	35, 34
48 871	14, 3	837 931	30, 1	3 131 221	41, 4	7 444 441	40, 29
51 001	11, 9	838 171	27, 10	3 301 321	40, 9	7 624 601	43, 25
58 411	15, 2	886 741	27, 11	3 398 401	32, 25	7 798 891	45, 22
61 051	11, 10	987 211	31, 2	3 500 201	43, 1	7 836 221	49, 13
88 741	17, 1	1 011 091	26, 15	3 509 801	41, 8	7 843 291	47, 18
92 821	15, 7	1 043 221	25, 17	3 671 221	33, 25	7 944 301	36, 35
103 801	15, 8	1 079 531	22, 21	3 705 491	38, 17	7 948 651	43, 26
109 141	17, 4	1 125 151	25, 18	3 835 261	44, 1	8 008 691	50, 11
114 641	16, 7	1 130 561	29, 11	3 893 431	33, 26	8 173 681	48, 17
118 061	17, 5	1 176 121	23, 21	4 021 651	42, 11	8 291 221	43, 27
125 591	14, 11	1 192 181	31, 7	4 022 341	44, 3	8 323 291	41, 30
170 101	17, 9	1 209 121	27, 16	4 078 741	37, 21	8 475 391	42, 29
176 641	19, 5	1 242 641	32, 5	4 329 151	31, 30	8 782 981	49, 17
209 801	17, 11	1 265 461	28, 15	4 656 061	33, 29	8 840 581	52, 9
244 861	20, 7	1 270 471	30, 11	4 789 831	46, 3	8 856 901	44, 27
243 411	22, 1	1 295 641	31, 9	4 925 281	32, 31	8 904 431	38, 35
246 931	18, 11	1 397 581	33, 5	4 986 361	45, 8	9 037 801	40, 33
271 231	22, 3	1 435 501	28, 17	5 050 711	43, 14	9 310 471	51, 14
289 381	19, 11	1 456 321	9, 32	5 153 641	41, 19	9 342 731	46, 25
292 561	23, 1	1 497 121	29, 16	5 212 361	47, 3	9 426 671	50, 17
302 971	22, 5	1 509 161	32, 11	5 223 181	43, 15	9 593 161	53, 9
309 491	22, 3	1 541 301	35, 3	5 223 871	37, 26	9 625 321	47, 24
318 181	19, 12	1 602 871	29, 18	5 230 741	39, 23		

2650

Quintan Primes, $p = (x^5 + y^5) \div (x + y)$ < 10 million.

p	x, y	p	x, y	p	x, y	p	x, y
1	1, 1	263 761	25, 16	1 328 161	37, 16	3 291 791	46, 17
11	2, 1	275 741	25, 11	1 347 901	35, 33	3 307 361	47, 31
61	3, 1	296 921	25, 8	1 361 441	37, 29	3 341 101	43, 1
181	4, 3	308 311	26, 15	1 412 711	38, 25	3 470 821	47, 20
421	5, 3	317 431	25, 22	1 419 511	35, 2	3 575 521	48, 29
461	5, 4	337 541	25, 23	1 420 261	37, 12	3 587 761	48, 31
521	5, 1	360 551	26, 7	1 448 021	37, 11	3 657 041	47, 16
991	6, 5	381 841	27, 11	1 474 861	36, 5	3 922 081	49, 33
1 621	7, 4	383 371	26, 5	1 509 331	38, 15	3 922 741	47, 41
1 871	7, 2	398 011	27, 22	1 563 571	39, 22	3 926 341	45, 44
3 001	8, 3	409 711	26, 3	1 603 501	39, 28	3 950 731	49, 34
4 441	9, 5	418 861	28, 19	1 616 611	37, 34	4 090 921	49, 37
4 621	9, 4	424 451	26, 25	1 620 331	38, 11	4 157 591	49, 38
6 871	10, 7	462 901	27, 4	1 636 501	39, 17	4 244 791	50, 27
9 091	10, 1	463 741	27, 25	1 687 111	38, 9	4 425 541	49, 15
9 931	11, 6	476 611	29, 18	1 778 221	37, 36	4 458 931	50, 21
12 391	11, 2	478 901	29, 19	1 781 321	40, 29	4 524 991	50, 39
13 421	11, 1	503 231	20, 22	1 821 401	40, 17	4 564 871	50, 19
14 821	12, 5	528 491	29, 10	1 824 841	37, 1	4 585 261	51, 28
19 141	12, 1	537 241	29, 7	1 920 361	39, 8	4 634 821	49, 12
25 951	14, 9	570 221	29, 7	1 928 501	41, 28	4 707 211	50, 41
35 281	15, 7	596 611	30, 11	1 934 521	41, 21	4 778 021	47, 1
35 401	15, 11	649 361	31, 23	1 995 691	41, 18	4 807 681	48, 5
55 201	16, 3	659 101	31, 13	2 031 671	38, 1	4 810 661	49, 44
58 321	16, 15	671 581	31, 12	2 046 721	41, 32	4 871 281	49, 9
61 681	16, 1	685 621	31, 25	2 050 621	39, 5	4 968 121	49, 45
62 071	17, 6	706 481	32, 19	2 094 481	41, 33	4 973 861	52, 35
72 931	18, 13	741 001	31, 27	2 200 591	39, 2	5 009 581	51, 41
74 731	17, 2	784 081	32, 11	2 200 771	39, 38	5 200 081	48, 1
91 331	19, 14	798 781	33, 20	2 215 501	41, 35	5 234 401	51, 43
92 921	19, 8	800 221	33, 19	2 273 651	41, 10	5 317 801	53, 33
95 881	19, 7	842 041	31, 3	2 289 901	41, 36	5 319 341	53, 31
108 421	20, 11	844 111	33, 14	2 326 661	43, 29	5 329 741	49, 4
117 911	19, 2	858 841	33, 13	2 411 041	43, 19	5 333 981	52, 41
117 991	19, 18	864 691	33, 26	2 414 021	41, 7	5 432 221	49, 3
131 041	21, 13	910 031	34, 23	2 438 281	40, 39	5 486 681	53, 25
132 661	21, 11	912 451	33, 10	2 440 951	43, 18	5 530 781	52, 17
141 961	21, 8	923 701	33, 28	2 524 861	44, 27	5 587 261	53, 23
152 381	20, 1	962 041	33, 29	2 557 501	44, 23	5 579 231	54, 29
159 811	22, 15	980 071	34, 27	2 558 081	43, 35	5 848 441	51, 8
168 151	22, 9	1 025 161	35, 24	2 633 101	41, 3	6 009 851	50, 49
183 641	21, 1	1 057 741	33, 4	2 725 361	43, 11	6 037 541	52, 11
188 491	23, 14	1 058 011	34, 9	2 726 821	44, 17	6 046 771	54, 23
189 361	23, 15	1 058 821	33, 31	2 766 331	45, 26	6 076 001	53, 16
202 981	23, 9	1 101 041	35, 13	2 808 061	44, 15	6 165 391	55, 34
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