

In this file we provide the following data.

(Pages: 1-21) Integral solutions of the equation

$$x^4 - 4y^2 + 4axy + 4 = 0$$

with $3 \leq a \leq 5000.000$.

(Pages: 22-26) Integral solutions of the equation

$$x^4 - 4y^2 + 2axy + 4 = 0$$

with odd values of a in the range $3 \leq a \leq 5000.000$.

10	$[(0, -1), (0, 1), (6, -5), (6, 65), (-6, -65), (-6, 5)]$
16	$[(0, -1), (-4, -65), (4, 65), (0, 1), (-4, 1), (4, -1)]$
20	$[(-56, 1105), (0, -1), (0, 1), (-56, -2225), (56, -1105), (56, 2225)]$
24	$[(0, -1), (-12, 17), (12, -17), (-12, -305), (12, 305), (0, 1)]$
25	$[(0, -1), (0, 1), (-8, -205), (8, 205), (-8, 5), (8, -5)]$
38	$[(0, -1), (22, 901), (0, 1), (22, -65), (-22, -901), (-22, 65)]$
54	$[(0, -1), (-6, 1), (6, -1), (-6, -325), (0, 1), (6, 325)]$
63	$[(0, -1), (-24, -1565), (24, 1565), (0, 1), (24, -53), (-24, 53)]$
86	$[(12, -5), (0, -1), (12, 1037), (0, 1), (-12, 5), (-12, -1037)]$
88	$[(0, -1), (0, 1), (-496, -146753), (496, 146753), (496, -103105), (-496, 103105)]$
112	$[(312, -34241), (0, -1), (-312, 34241), (-312, -69185), (0, 1), (312, 69185)]$
124	$[(32, 4033), (0, -1), (32, -65), (0, 1), (-32, -4033), (-32, 65)]$
128	$[(8, 1025), (0, -1), (-8, 1), (-8, -1025), (0, 1), (8, -1)]$
133	$[(88, -1165), (0, -1), (-88, -12869), (-88, 1165), (0, 1), (88, 12869)]$
142	$[(0, -1), (-82, 901), (82, 12545), (0, 1), (-82, -12545), (82, -901)]$
154	$[(0, -1), (318, 80665), (0, 1), (-318, -80665), (318, -31693), (-318, 31693)]$
250	$[(-10, 1), (-156, 3485), (0, -1), (10, 2501), (0, 1), (10, -1), (156, -3485), (-10, -2501), (156, 42485), (-156, -42485)]$
349	$[(0, -1), (56, 19669), (0, 1), (56, -125), (-56, -19669), (-56, 125)]$

380	$[(0, -1), (92, -505), (-92, 505), (92, 35465), (0, 1), (-92, -35465)]$
387	$[(0, -1), (-192, 4321), (-192, -78625), (0, 1), (192, 78625), (192, -4321)]$
389	$[(0, -1), (-2192, 2013625), (2192, -2013625), (0, 1), (2192, 2866313), (-2192, -2866313)]$
424	$[(0, -1), (-48, 65), (0, 1), (48, -65), (48, 20417), (-48, -20417)]$
432	$[(0, -1), (12, -1), (-12, 1), (0, 1), (12, 5185), (-12, -5185)]$
515	$[(0, -1), (56, -85), (56, 28925), (-56, -28925), (0, 1), (-56, 85)]$
530	$[(-306, 12545), (0, -1), (0, 1), (306, 174725), (306, -12545), (-306, -174725)]$
551	$[(0, -1), (40, -29), (40, 22069), (0, 1), (-40, -22069), (-40, 29)]$
556	$[(0, -1), (0, 1), (84, -265), (-84, -46969), (-84, 265), (84, 46969)]$
569	$[(-184, 2669), (0, -1), (184, -2669), (-184, -107365), (184, 107365), (0, 1)]$
638	$[(0, -1), (42, 26825), (-42, -26825), (-42, 29), (0, 1), (42, -29)]$
682	$[(0, -1), (-10604, 52722605), (10604, 59954533), (0, 1), (-10604, -59954533), (10604, -52722605)]$
686	$[(0, -1), (14, 9605), (14, -1), (-14, 1), (0, 1), (-14, -9605)]$
691	$[(-112, -77897), (0, -1), (-24, -16589), (24, 16589), (0, 1), (24, -5), (-24, 5), (-112, 505), (112, -505), (112, 77897)]$
705	$[(192, -2465), (0, -1), (-192, 2465), (0, 1), (-192, -137825), (192, 137825)]$
826	$[(-490, -437669), (0, -1), (-490, 32929), (0, 1), (490, -32929), (490, 437669)]$
834	$[(0, -1), (-1722, -2365453), (1722, -929305), (0, 1), (-1722, 929305), (1722, 2365453)]$
907	$[(0, -1), (600, -54149), (-600, 54149), (-600, -598349), (0, 1), (600, 598349)]$
922	$[(0, -1), (2568, 4687241), (0, 1), (2568, -2319545), (-2568, -4687241), (-2568, 2319545)]$
966	$[(0, -1), (-108, 325), (0, 1), (108, -325), (-108, -104653), (108, 104653)]$
976	$[(-252, 4033), (0, -1), (252, -4033), (0, 1), (252, 249985), (-252, -249985)]$
1024	$[(0, -1), (16, -1), (-16, 1), (0, 1), (16, 16385), (-16, -16385)]$
1199	$[(0, -1), (1760, 2929169), (-1760, -2929169), (0, 1), (1760, -818929), (-1760, 818929)]$
1458	$[(0, -1), (0, 1), (18, -1), (-18, -26245), (18, 26245), (-18, 1)]$
1626	$[(-48, 17), (0, -1), (-48, -78065), (0, 1), (48, 78065), (48, -17)]$
1861	$[(-3080, -8407741), (0, -1), (-3080, 2675861), (3080, 8407741), (0, 1), (3080, -2675861)]$
1922	$[(0, -1), (-156, 493), (156, -493), (156, 300325), (-156, -300325), (0, 1)]$
1978	$[(0, -1), (1142, 2433601), (0, 1), (1142, -174725), (-1142, 174725), (-1142, -2433601)]$

2000	$[(0, -1), (-20, 1), (20, -1), (20, 40001), (-20, -40001), (0, 1)]$
2621	$[(0, -1), (-208, 857), (-208, -546025), (0, 1), (208, 546025), (208, -857)]$
2662	$[(0, -1), (-22, 1), (22, -1), (0, 1), (22, 58565), (-22, -58565)]$
2837	$[(0, -1), (7216, 38211097), (0, 1), (7216, -17739305), (-7216, 17739305), (-7216, -38211097)]$
2990	$[(0, -1), (-97244, 4585052485), (97244, -4585052485), (0, 1), (97244, 4875812045), (-97244, -4875812045)]$
3225	$[(-1008, 77545), (0, -1), (1008, -77545), (-1008, -3328345), (0, 1), (1008, 3328345)]$
3336	$[(0, -1), (-828, 41905), (828, -41905), (0, 1), (828, 2804113), (-828, -2804113)]$
3346	$[(0, -1), (16478, 166100593), (-16478, 110965205), (16478, -110965205), (0, 1), (-16478, -166100593)]$
3377	$[(56, 189125), (-56, -189125), (0, -1), (56, -13), (0, 1), (-56, 13)]$
3456	$[(0, -1), (-24, -82945), (24, -1), (24, 82945), (0, 1), (-24, 1)]$
3748	$[(0, -1), (1176, -105937), (-1176, 105937), (0, 1), (-1176, -4513585), (1176, 4513585)]$
4088	$[(0, -1), (-256, 1025), (256, 1047553), (256, -1025), (0, 1), (-256, -1047553)]$
4282	$[(0, -1), (-14990, -148937641), (14990, 148937641), (0, 1), (-14990, 84750461), (14990, -84750461)]$
4394	$[(0, -1), (-26, -114245), (26, 114245), (-26, 1), (26, -1), (0, 1)]$
4534	$[(4218, 22622465), (0, -1), (4218, -3498053), (-4218, 3498053), (0, 1), (-4218, -22622465)]$
4736	$[(0, -1), (0, 1), (292, -1313), (292, 1384225), (-292, -1384225), (-292, 1313)]$
5119	$[(-11784, -105860581), (0, -1), (-11784, 45538285), (11784, -45538285), (11784, 105860581), (0, 1)]$
5150	$[(-14344, 72369065), (0, -1), (14344, -72369065), (0, 1), (14344, 146240665), (-14344, -146240665)]$
5488	$[(0, -1), (28, -1), (-28, -153665), (-28, 1), (28, 153665), (0, 1)]$
5654	$[(0, -1), (176, 995345), (-176, 241), (0, 1), (-176, -995345), (176, -241)]$
6102	$[(-1980, -12392029), (0, -1), (1980, 12392029), (-1980, 310069), (1980, -310069), (0, 1)]$
6146	$[(0, -1), (-234, -1438685), (234, -521), (-234, 521), (0, 1), (234, 1438685)]$
6167	$[(0, -1), (-3776, 2009185), (0, 1), (3776, -2009185), (3776, 25295777), (-3776, -25295777)]$
6216	$[(0, -1), (-3084, -20285009), (3084, -1114865), (3084, 20285009), (-3084, 1114865), (0, 1)]$
6358	$[(0, -1), (252, 1602845), (-252, -1602845), (-252, 629), (0, 1), (252, -629)]$
6366	$[(1122, 7197697), (0, -1), (-1122, -7197697), (0, 1), (-1122, 55045), (1122, -55045)]$
6657	$[(-1680, 175321), (0, -1), (1680, -175321), (1680, 11359081), (-1680, -11359081), (0, 1)]$
6750	$[(-2142, 355265), (-2142, -14813765), (-30, 1), (0, -1), (30, 202501), (0, 1), (2142, 14813765), (30, -1), (2142, -355265), (-30, -202501)]$

6843	$[(336, -1385), (0, -1), (0, 1), (336, 2300633), (-336, -2300633), (-336, 1385)]$
7359	$[(0, -1), (1296, -73385), (-1296, -9610649), (0, 1), (-1296, 73385), (1296, 9610649)]$
7382	$[(-4262, 2433601), (0, -1), (-4262, -33895685), (0, 1), (4262, -2433601), (4262, 33895685)]$
7477	$[(0, -1), (1232, 9273769), (-1232, -9273769), (1232, -62105), (0, 1), (-1232, 62105)]$
7684	$[(0, -1), (1984, 15495041), (1984, -249985), (-1984, 249985), (0, 1), (-1984, -15495041)]$
8120	$[(-2944, 761345), (0, -1), (2944, -761345), (0, 1), (2944, 24666625), (-2944, -24666625)]$
8153	$[(0, -1), (-1320, 70069), (0, 1), (-1320, -10832029), (1320, 10832029), (1320, -70069)]$
8186	$[(0, -1), (-1140, 45029), (1140, 9377069), (-1140, -9377069), (0, 1), (1140, -45029)]$
8192	$[(0, -1), (32, -1), (-32, -262145), (0, 1), (-32, 1), (32, 262145)]$
8646	$[(0, -1), (420, 3633461), (0, 1), (420, -2141), (-420, -3633461), (-420, 2141)]$
9006	$[(-4914, 3079621), (0, -1), (-4914, -47335105), (4914, 47335105), (0, 1), (4914, -3079621)]$
9268	$[(0, -1), (16856, -84009617), (-16856, -240231025), (-16856, 84009617), (0, 1), (16856, 240231025)]$
9799	$[(0, -1), (11872, 149543633), (-11872, -149543633), (11872, -33209905), (-11872, 33209905), (0, 1)]$
9812	$[(0, -1), (1968, -192289), (0, 1), (1968, 19502305), (-1968, 192289), (-1968, -19502305)]$
9826	$[(0, -1), (34, -1), (0, 1), (34, 334085), (-34, 1), (-34, -334085)]$
10957	$[(0, -1), (1776, 19586617), (-1776, -19586617), (-1776, 126985), (0, 1), (1776, -126985)]$
11086	$[(0, -1), (-11472, -155097137), (-11472, 27918545), (11472, 155097137), (0, 1), (11472, -27918545)]$
11398	$[(-84, 13), (0, -1), (-84, -957445), (84, -13), (0, 1), (84, 957445)]$
11664	$[(0, -1), (36, 419905), (0, 1), (36, -1), (-36, -419905), (-36, 1)]$
11970	$[(0, -1), (606, 7258465), (-606, -7258465), (606, -4645), (0, 1), (-606, 4645)]$
12490	$[(0, -1), (500, -2501), (-500, -6247501), (500, 6247501), (0, 1), (-500, 2501)]$
12661	$[(0, -1), (0, 1), (-1176, 32045), (1176, -32045), (-1176, -14921381), (1176, 14921381)]$
12730	$[(0, -1), (7944, 110164745), (7944, -9037625), (0, 1), (-7944, -110164745), (-7944, 9037625)]$
12912	$[(0, -1), (6132, 83413889), (0, 1), (6132, -4237505), (-6132, -83413889), (-6132, 4237505)]$
13518	$[(3150, -570401), (0, -1), (0, 1), (3150, 43152101), (-3150, 570401), (-3150, -43152101)]$
13718	$[(38, 521285), (-7964, -117788285), (-38, -521285), (7964, -8538133), (0, -1), (7964, 117788285), (0, 1), (-7964, 8538133), (-38, 1), (38, -1)]$
14149	$[(0, -1), (79728, -2663901833), (79728, 3791973305), (0, 1), (-79728, -3791973305), (-79728, 2663901833)]$

14812	$[(0, -1), (-1452, -21558569), (0, 1), (1452, -51545), (-1452, 51545), (1452, 21558569)]$
16000	$[(0, -1), (40, 640001), (0, 1), (40, -1), (-40, 1), (-40, -640001)]$
16804	$[(0, -1), (-756, -12710249), (-756, 6425), (756, 12710249), (0, 1), (756, -6425)]$
16922	$[(0, -1), (216092, -21591000925), (-216092, 21591000925), (0, 1), (216092, 25247709749), (-216092, -25247709749)]$
17334	$[(0, -1), (1938, 33697945), (-1938, 104653), (0, 1), (1938, -104653), (-1938, -33697945)]$
18522	$[(0, -1), (-42, -777925), (42, -1), (0, 1), (-42, 1), (42, 777925)]$
18764	$[(0, -1), (1140, -19721), (-1140, -21410681), (0, 1), (1140, 21410681), (-1140, 19721)]$
18844	$[(0, -1), (-620, 3161), (620, -3161), (0, 1), (620, 11686441), (-620, -11686441)]$
18889	$[(0, -1), (-149296, -12643518329), (0, 1), (149296, -9823466185), (-149296, 9823466185), (149296, 12643518329)]$
19150	$[(0, -1), (5258, 102553945), (-5258, -102553945), (5258, -1863245), (0, 1), (-5258, 1863245)]$
19226	$[(0, -1), (-94682, -5483994965), (94682, 5483994965), (-94682, 3663638833), (94682, -3663638833), (0, 1)]$
19309	$[(0, -1), (624, 12051961), (624, -3145), (0, 1), (-624, 3145), (-624, -12051961)]$
19924	$[(-4216, -84929585), (4216, 84929585), (904, 18020561), (0, -1), (904, -9265), (4216, -930001), (-904, -18020561), (0, 1), (-4216, 930001), (-904, 9265)]$
19942	$[(0, -1), (238, 4746365), (0, 1), (-238, -4746365), (-238, 169), (238, -169)]$
20414	$[(-8732, 7811365), (0, -1), (8732, -7811365), (8732, 186066413), (-8732, -186066413), (0, 1)]$
20449	$[(0, -1), (240, 4907929), (240, -169), (-240, 169), (0, 1), (-240, -4907929)]$
20658	$[(0, -1), (-1386, 32185), (1386, 28664173), (0, 1), (1386, -32185), (-1386, -28664173)]$
20968	$[(0, -1), (176, -65), (0, 1), (176, 3690433), (-176, 65), (-176, -3690433)]$
21296	$[(-44, -937025), (0, -1), (-44, 1), (0, 1), (44, -1), (44, 937025)]$
21791	$[(0, -1), (-1432, 33653), (1432, -33653), (0, 1), (1432, 31238365), (-1432, -31238365)]$
22186	$[(0, -1), (-6090, 2498929), (6090, 137611669), (0, 1), (6090, -2498929), (-6090, -137611669)]$
22747	$[(0, -1), (-744, 4525), (0, 1), (744, -4525), (744, 16928293), (-744, -16928293)]$
23168	$[(0, -1), (-2096896, 2174330159105), (2096896, -2174330159105), (-2096896, -2222911045633), (0, 1), (2096896, 2222911045633)]$
23494	$[(0, -1), (2040, 48017929), (0, 1), (-2040, 90169), (2040, -90169), (-2040, -48017929)]$
23644	$[(0, -1), (5724, 137293001), (5724, -1954745), (0, 1), (-5724, -137293001), (-5724, 1954745)]$
24278	$[(0, -1), (-84990, -4787809661), (84990, 4787809661), (0, 1), (84990, -2724422441), (-84990, 2724422441)]$
24334	$[(0, -1), (-46, -1119365), (46, -1), (46, 1119365), (0, 1), (-46, 1)]$

27550	$[(0, -1), (-15906, -472105985), (15906, -33895685), (0, 1), (15906, 472105985), (-15906, 33895685)]$
27648	$[(0, -1), (48, 1327105), (-48, -1327105), (0, 1), (48, -1), (-48, 1)]$
27673	$[(-728, -20149429), (0, -1), (-728, 3485), (0, 1), (728, 20149429), (728, -3485)]$
30196	$[(57900, 2764635449), (0, -1), (-57900, 1016287049), (57900, -1016287049), (-57900, -2764635449), (0, 1)]$
30666	$[(-3360, -103346081), (0, -1), (3360, -308321), (0, 1), (3360, 103346081), (-3360, 308321)]$
31092	$[(0, -1), (-864, -26868673), (0, 1), (864, -5185), (864, 26868673), (-864, 5185)]$
31250	$[(0, -1), (-50, -1562501), (0, 1), (50, -1), (50, 1562501), (-50, 1)]$
34998	$[(558, 19530125), (0, -1), (-558, -19530125), (-558, 1241), (0, 1), (558, -1241)]$
35152	$[(52, 1827905), (0, -1), (-52, -1827905), (-52, 1), (0, 1), (52, -1)]$
36827	$[(0, -1), (48360, 2360278309), (0, 1), (-48360, 579324589), (-48360, -2360278309), (48360, -579324589)]$
37476	$[(0, -1), (1140, 42732521), (-1140, 9881), (0, 1), (-1140, -42732521), (1140, -9881)]$
37964	$[(0, -1), (-156, -5922409), (0, 1), (156, -25), (-156, 25), (156, 5922409)]$
38918	$[(0, -1), (-904, -35186617), (-904, 4745), (0, 1), (904, -4745), (904, 35186617)]$
39366	$[(0, -1), (54, 2125765), (0, 1), (-54, -2125765), (-54, 1), (54, -1)]$
40934	$[(0, -1), (-6806, -280509125), (6806, 280509125), (6806, -1912321), (0, 1), (-6806, 1912321)]$
42392	$[(0, -1), (118072, 9908808865), (-118072, -9908808865), (0, 1), (118072, -4903500641), (-118072, 4903500641)]$
42824	$[(0, -1), (30400, 1449186049), (30400, -147336449), (0, 1), (-30400, -1449186049), (-30400, 147336449)]$
43144	$[(0, -1), (67436, 4154069329), (-67436, 1244610545), (0, 1), (-67436, -4154069329), (67436, -1244610545)]$
43769	$[(1032, -6277), (0, -1), (-1032, 6277), (0, 1), (1032, 45175885), (-1032, -45175885)]$
43904	$[(0, -1), (56, 2458625), (0, 1), (-56, -2458625), (-56, 1), (56, -1)]$
43990	$[(0, -1), (2744, -117305), (0, 1), (-2744, -120825865), (-2744, 117305), (2744, 120825865)]$
44266	$[(-36876, 246101645), (0, -1), (-36876, -1878454661), (0, 1), (36876, 1878454661), (36876, -246101645)]$
48578	$[(0, -1), (-4026, -195910285), (0, 1), (4026, 195910285), (4026, -335257), (-4026, 335257)]$
48778	$[(0, -1), (58, 2829125), (58, -1), (-58, 1), (0, 1), (-58, -2829125)]$
50510	$[(0, -1), (4556, 230590685), (-4556, -230590685), (0, 1), (-258, 85), (258, 13031665), (-4556, 467125), (258, -85), (-258, -13031665), (4556, -467125)]$
51248	$[(0, -1), (-1204, 8513), (1204, -8513), (1204, 61711105), (-1204, -61711105), (0, 1)]$
52362	$[(-108114, 3663154585), (0, -1), (108114, -3663154585), (-108114, -9324219853), (0, 1), (108114, 9324219853)]$

54000	$[(0, -1), (60, -1), (60, 3240001), (-60, -3240001), (0, 1), (-60, 1)]$
54681	$[(0, -1), (-10848, 5780177), (-10848, -598959665), (10848, -5780177), (10848, 598959665), (0, 1)]$
57242	$[(0, -1), (30494, -116117677), (30494, 1861655225), (0, 1), (-30494, -1861655225), (-30494, 116117677)]$
59582	$[(0, -1), (62, -1), (0, 1), (62, 3694085), (-62, 1), (-62, -3694085)]$
60438	$[(0, -1), (-234, -14142545), (-234, 53), (234, 14142545), (0, 1), (234, -53)]$
60496	$[(0, -1), (-15620, 15495041), (15620, 960442561), (15620, -15495041), (0, 1), (-15620, -960442561)]$
61028	$[(0, -1), (552, 33688145), (552, -689), (0, 1), (-552, 689), (-552, -33688145)]$
61378	$[(0, -1), (-1302, 8989), (0, 1), (-1302, -79923145), (1302, -8989), (1302, 79923145)]$
65536	$[(0, -1), (64, -1), (0, 1), (-64, 1), (-64, -4194305), (64, 4194305)]$
66472	$[(-71988, -5919417265), (0, -1), (-71988, 1134230929), (71988, -1134230929), (0, 1), (71988, 5919417265)]$
66602	$[(0, -1), (31890, -115458809), (0, 1), (-31890, -2239396589), (31890, 2239396589), (-31890, 115458809)]$
67214	$[(0, -1), (1372, -9605), (0, 1), (-1372, 9605), (-1372, -92227213), (1372, 92227213)]$
69424	$[(0, -1), (23068, 1644519617), (-23068, -1644519617), (-23068, 43046785), (0, 1), (23068, -43046785)]$
70409	$[(-5320, -375109741), (0, -1), (-5320, 533861), (5320, -533861), (0, 1), (5320, 375109741)]$
70768	$[(0, -1), (264, -65), (264, 18682817), (0, 1), (-264, -18682817), (-264, 65)]$
71874	$[(-66, -4743685), (0, -1), (-66, 1), (66, 4743685), (0, 1), (66, -1)]$
76242	$[(6804, -1030805), (0, -1), (-6804, -519781373), (-6804, 1030805), (6804, 519781373), (0, 1)]$
76968	$[(0, -1), (-99216, 2411060417), (0, 1), (99216, 10047517505), (99216, -2411060417), (-99216, -10047517505)]$
78226	$[(2856, -74425), (0, -1), (2856, 223487881), (-2856, -223487881), (0, 1), (-2856, 74425)]$
78353	$[(11736, -5128957), (0, -1), (-11736, -924679765), (-11736, 5128957), (0, 1), (11736, 924679765)]$
78608	$[(0, -1), (-68, 1), (68, -1), (68, 5345345), (0, 1), (-68, -5345345)]$
79287	$[(-3480, -276051581), (0, -1), (3480, 276051581), (0, 1), (-3480, 132821), (3480, -132821)]$
79770	$[(0, -1), (-660, -52649101), (660, 52649101), (0, 1), (660, -901), (-660, 901)]$
81569	$[(0, -1), (-459632, -126027130073), (0, 1), (-459632, 88535407465), (459632, -88535407465), (459632, 126027130073)]$
85602	$[(0, -1), (23562, -37505161), (-23562, 37505161), (0, 1), (-23562, -2054459485), (23562, 2054459485)]$
85750	$[(0, -1), (70, 6002501), (-70, 1), (70, -1), (0, 1), (-70, -6002501)]$
86726	$[(0, -1), (-11270, -981511061), (0, 1), (11270, 981511061), (-11270, 4109041), (11270, -4109041)]$
89989	$[(0, -1), (208, 18717737), (-208, 25), (208, -25), (0, 1), (-208, -18717737)]$

90054	$[(0, -1), (1596, -11285), (0, 1), (1596, 143737469), (-1596, 11285), (-1596, -143737469)]$
92743	$[(0, -1), (10808, -3391781), (0, 1), (-10808, -1005758125), (10808, 1005758125), (-10808, 3391781)]$
93312	$[(0, -1), (0, 1), (72, 6718465), (72, -1), (-72, 1), (-72, -6718465)]$
99843	$[(0, -1), (-49536, 287630785), (0, 1), (49536, 5233453633), (-49536, -5233453633), (49536, -287630785)]$
101306	$[(0, -1), (-74, 1), (-74, -7496645), (0, 1), (74, 7496645), (74, -1)]$
101572	$[(0, -1), (19248296, 186228572612305), (0, 1), (19248296, -184273484690993), (-19248296, -186228572612305), (-19248296, 184273484690993)]$
101650	$[(0, -1), (252456, 47184288905), (252456, -21522136505), (0, 1), (-252456, -47184288905), (-252456, 21522136505)]$
102818	$[(0, -1), (-59362, -6575588101), (-59362, 472105985), (0, 1), (59362, 6575588101), (59362, -472105985)]$
103161	$[(0, -1), (-1824, -188180369), (-1824, 14705), (1824, -14705), (1824, 188180369), (0, 1)]$
106675	$[(0, -1), (-1421608, -1089150564965), (0, 1), (-1421608, 937500531565), (1421608, 1089150564965), (1421608, -937500531565)]$
108281	$[(35016, -96661669), (-35016, 96661669), (0, -1), (35016, 3888229165), (-35016, -3888229165), (0, 1)]$
109744	$[(0, -1), (-76, 1), (-76, -8340545), (76, -1), (0, 1), (76, 8340545)]$
112182	$[(0, -1), (6864, -720017), (0, 1), (6864, 770737265), (-6864, -770737265), (-6864, 720017)]$
112187	$[(0, -1), (32048, 3667280681), (-32048, -3667280681), (0, 1), (-32048, 71911705), (32048, -71911705)]$
114217	$[(0, -1), (-1144, 3277), (1144, -3277), (0, 1), (-1144, -130667525), (1144, 130667525)]$
114702	$[(0, -1), (43890, 5212253089), (-43890, -5212253089), (0, 1), (-43890, 177982309), (43890, -177982309)]$
116118	$[(0, -1), (-2328, 27161), (2328, 270349865), (0, 1), (2328, -27161), (-2328, -270349865)]$
118638	$[(0, -1), (78, 9253765), (78, -1), (0, 1), (-78, 1), (-78, -9253765)]$
128000	$[(0, -1), (-80, -10240001), (-80, 1), (0, 1), (80, 10240001), (80, -1)]$
130664	$[(-1940, 13969), (0, -1), (1940, -13969), (1940, 253502129), (-1940, -253502129), (0, 1)]$
130688	$[(0, -1), (-8184, -1070598145), (8184, -1047553), (0, 1), (8184, 1070598145), (-8184, 1047553)]$
131056	$[(0, -1), (2048, 268419073), (0, 1), (-2048, -268419073), (-2048, 16385), (2048, -16385)]$
131121	$[(0, -1), (-434496, 70112150369), (-434496, -127083700385), (434496, -70112150369), (0, 1), (434496, 127083700385)]$
132250	$[(-47544, 196985545), (0, -1), (47544, -196985545), (0, 1), (47544, 6484679545), (-47544, -6484679545)]$
137455	$[(2856, 392613845), (0, -1), (2856, -42365), (0, 1), (-2856, 42365), (-2856, -392613845)]$
137842	$[(0, -1), (82, 11303045), (-82, 1), (0, 1), (-82, -11303045), (82, -1)]$
140688	$[(0, -1), (135780, 22825378369), (135780, -3722761729), (-135780, 3722761729), (0, 1), (-135780, -22825378369)]$

142438	$[(0, -1), (-19914, 13793765), (0, 1), (19914, 2850304097), (-19914, -2850304097), (19914, -13793765)]$
148176	$[(0, -1), (84, -1), (-84, 1), (-84, -12446785), (0, 1), (84, 12446785)]$
153538	$[(-1700996, -1583158981645), (0, -1), (-1700996, 1321991457797), (1700996, 1583158981645), (1700996, -1321991457797), (0, 1)]$
157785	$[(0, -1), (-34320, -5478490601), (34320, -63309401), (0, 1), (34320, 5478490601), (-34320, 63309401)]$
159014	$[(0, -1), (86, 13675205), (-86, -13675205), (0, 1), (86, -1), (-86, 1)]$
165806	$[(-5700, -945373349), (0, -1), (5700, 945373349), (0, 1), (5700, -279149), (-5700, 279149)]$
169207	$[(0, -1), (-2336, -395286385), (-2336, 18833), (0, 1), (2336, 395286385), (2336, -18833)]$
170368	$[(0, -1), (-88, 1), (-88, -14992385), (0, 1), (88, -1), (88, 14992385)]$
176641	$[(0, -1), (11608, 2052660053), (11608, -2211325), (-11608, 2211325), (0, 1), (-11608, -2052660053)]$
182250	$[(0, -1), (-90, 1), (90, -1), (0, 1), (90, 16402501), (-90, -16402501)]$
184858	$[(0, -1), (-97934, 1191826973), (0, 1), (-97934, -19295710345), (97934, 19295710345), (97934, -1191826973)]$
189329	$[(-24024, -4566675541), (-24024, 18235645), (0, -1), (24024, 4566675541), (24024, -18235645), (0, 1)]$
190666	$[(2628, 501094045), (0, -1), (0, 1), (-2628, 23797), (2628, -23797), (-2628, -501094045)]$
194672	$[(0, -1), (92, 17909825), (-92, -17909825), (0, 1), (92, -1), (-92, 1)]$
194791	$[(0, -1), (-34080, 50417809), (34080, -50417809), (-34080, -6688895089), (0, 1), (34080, 6688895089)]$
197111	$[(0, -1), (3352, -47765), (-3352, -660763837), (-3352, 47765), (3352, 660763837), (0, 1)]$
203257	$[(-7464, -1517621533), (0, -1), (-7464, 511285), (0, 1), (7464, -511285), (7464, 1517621533)]$
203942	$[(966, -1105), (0, -1), (-966, -197009077), (0, 1), (-966, 1105), (966, 197009077)]$
207646	$[(0, -1), (94, -1), (-94, 1), (0, 1), (94, 19518725), (-94, -19518725)]$
208257	$[(0, -1), (-6072, -1264805189), (6072, -268685), (6072, 1264805189), (0, 1), (-6072, 268685)]$
208304	$[(0, -1), (25440, -19687169), (-25440, -5318940929), (0, 1), (25440, 5318940929), (-25440, 19687169)]$
217781	$[(0, -1), (-384, 65), (-384, -83627969), (384, 83627969), (0, 1), (384, -65)]$
221184	$[(96, 21233665), (0, -1), (96, -1), (-96, 1), (0, 1), (-96, -21233665)]$
221272	$[(0, -1), (1672, 369972065), (1672, -5281), (-1672, 5281), (0, 1), (-1672, -369972065)]$
222316	$[(19564, 4357794569), (0, -1), (19564, -8404345), (-19564, 8404345), (0, 1), (-19564, -4357794569)]$
231299	$[(0, -1), (336, -41), (-336, 41), (0, 1), (336, 77716505), (-336, -77716505)]$
235298	$[(0, -1), (-98, 1), (98, 23059205), (0, 1), (98, -1), (-98, -23059205)]$
236178	$[(0, -1), (2916, -26245), (-2916, 26245), (0, 1), (-2916, -688721293), (2916, 688721293)]$

236788	$[(-659512, 152988152785), (659512, 309152680241), (-659512, -309152680241), (-23212, 13172809), (0, -1), (0, 1), (23212, 5509495865), (23212, -13172809), (659512, -152988152785), (-23212, -5509495865)]$
238628	$[(0, -1), (-4296, 83057), (0, 1), (4296, -83057), (4296, 1025228945), (-4296, -1025228945)]$
238786	$[(0, -1), (0, 1), (-562054, 104510734285), (562054, -104510734285), (-562054, -238721360729), (562054, 238721360729)]$
250000	$[(0, -1), (0, 1), (-100, -250000001), (-100, 1), (100, -1), (100, 250000001)]$
254338	$[(0, -1), (0, 1), (3556, -44197), (-3556, 44197), (3556, 904470125), (-3556, -904470125)]$
263076	$[(0, -1), (-5256, -1382865425), (0, 1), (5256, 1382865425), (-5256, 137969), (5256, -137969)]$
265302	$[(102, -1), (0, -1), (102, 27060805), (-102, -27060805), (0, 1), (-102, 1)]$
268684	$[(-16324, 4043689), (0, -1), (16324, -4043689), (-16324, -4390041305), (16324, 4390041305), (0, 1)]$
269244	$[(0, -1), (0, 1), (11916, -1570265), (-11916, 1570265), (-11916, -3209881769), (11916, 3209881769)]$
273730	$[(80592, -468137905), (0, -1), (80592, 22528586065), (-80592, 468137905), (0, 1), (-80592, -22528586065)]$
279222	$[(0, -1), (-12474, 1736965), (0, 1), (12474, 3484752193), (12474, -1736965), (-12474, -3484752193)]$
281216	$[(0, -1), (104, -1), (-104, -29246465), (0, 1), (104, 29246465), (-104, 1)]$
282766	$[(0, -1), (129822, -1842020753), (0, 1), (129822, 38551268405), (-129822, 1842020753), (-129822, -38551268405)]$
283164	$[(0, -1), (-326172, -116623047113), (326172, -24262878905), (0, 1), (-326172, 24262878905), (326172, 116623047113)]$
283558	$[(0, -1), (585474, 273441143065), (0, 1), (-585474, 107425306573), (585474, -107425306573), (-585474, -273441143065)]$
288128	$[(0, -1), (7728, 2227053569), (-7728, -2227053569), (0, 1), (7728, -400385), (-7728, 400385)]$
296288	$[(0, -1), (-3276, 29665), (0, 1), (3276, 970669153), (3276, -29665), (-3276, -970669153)]$
297754	$[(0, -1), (-106, 1), (0, 1), (106, 31561925), (106, -1), (-106, -31561925)]$
298232	$[(-660, 241), (0, -1), (-660, -196833361), (0, 1), (660, 196833361), (660, -241)]$
310529	$[(0, -1), (33400, -29910701), (33400, 10401579301), (-33400, -10401579301), (0, 1), (-33400, 29910701)]$
310578	$[(0, -1), (52338, -114596065), (-52338, -16369627429), (-52338, 114596065), (0, 1), (52338, 16369627429)]$
310612	$[(0, -1), (-11004, -3419046553), (-11004, 1072105), (11004, 3419046553), (0, 1), (11004, -1072105)]$
311046	$[(0, -1), (34776, 10850633641), (0, 1), (34776, -33697945), (-34776, 33697945), (-34776, -10850633641)]$
313625	$[(0, -1), (-12944, 1728025), (12944, 4061290025), (0, 1), (-12944, -4061290025), (12944, -1728025)]$
314928	$[(0, -1), (-108, -34012225), (108, 34012225), (0, 1), (108, -1), (-108, 1)]$
324490	$[(0, -1), (202494, -5872191005), (202494, 71579469065), (0, 1), (-202494, 5872191005), (-202494, -71579469065)]$
329591	$[(-3640, -1199747821), (0, -1), (-3640, 36581), (3640, -36581), (0, 1), (3640, 1199747821)]$

331574	$[(0, -1), (5076, 1683168229), (5076, -98605), (-5076, 98605), (0, 1), (-5076, -1683168229)]$
332278	$[(0, -1), (47614, 15901888157), (-47614, 80803465), (0, 1), (47614, -80803465), (-47614, -15901888157)]$
332558	$[(3228, -25285), (-3228, -1073522509), (0, -1), (-3228, 25285), (0, 1), (3228, 1073522509)]$
332750	$[(0, -1), (-110, -36602501), (0, 1), (110, -1), (-110, 1), (110, 36602501)]$
338434	$[(0, -1), (-2516, 11765), (2516, -11765), (0, 1), (2516, 851511709), (-2516, -851511709)]$
347482	$[(0, -1), (558, 193895081), (0, 1), (-558, 125), (558, -125), (-558, -193895081)]$
347966	$[(-4068, 48365), (0, -1), (4068, 1415574053), (0, 1), (-4068, -1415574053), (4068, -48365)]$
351232	$[(0, -1), (112, -1), (-112, 1), (0, 1), (-112, -39337985), (112, 39337985)]$
363071	$[(0, -1), (-1632, -592534865), (-1632, 2993), (0, 1), (1632, -2993), (1632, 592534865)]$
366748	$[(0, -1), (-124684, 1285188505), (124684, 47012796137), (-124684, -47012796137), (0, 1), (124684, -1285188505)]$
370386	$[(-114, -42224005), (0, -1), (114, -1), (0, 1), (114, 42224005), (-114, 1)]$
383722	$[(0, -1), (221542, 91586127425), (-221542, -91586127425), (0, 1), (221542, -6575588101), (-221542, 6575588101)]$
385670	$[(0, -1), (-23456, -9054633185), (23456, -8357665), (0, 1), (23456, 9054633185), (-23456, 8357665)]$
390224	$[(0, -1), (116, -1), (-116, -45265985), (0, 1), (116, 45265985), (-116, 1)]$
390290	$[(0, -1), (-1140, 949), (0, 1), (1140, 444931549), (1140, -949), (-1140, -444931549)]$
392016	$[(-2892, -1133725697), (0, -1), (2892, -15425), (0, 1), (2892, 1133725697), (-2892, 15425)]$
399773	$[(0, -1), (6984, -213013), (-6984, 213013), (0, 1), (-6984, -2792227645), (6984, 2792227645)]$
399980	$[(-4000, 40001), (0, -1), (4000, -40001), (4000, 1599960001), (0, 1), (-4000, -1599960001)]$
403076	$[(0, -1), (1584, 638474849), (1584, -2465), (0, 1), (-1584, -638474849), (-1584, 2465)]$
404449	$[(0, -1), (-30840, 18104621), (30840, 12491311781), (0, 1), (30840, -18104621), (-30840, -12491311781)]$
405974	$[(0, -1), (-210958, 5436284633), (210958, -5436284633), (-210958, -91079747725), (0, 1), (210958, 91079747725)]$
410758	$[(118, -1), (0, -1), (118, 48469445), (-118, -48469445), (0, 1), (-118, 1)]$
429956	$[(0, -1), (150156, -1911918889), (-150156, 1911918889), (0, 1), (150156, 66472392025), (-150156, -66472392025)]$
431174	$[(0, -1), (11946, -988261), (-11946, -5151792865), (-11946, 988261), (0, 1), (11946, 5151792865)]$
432000	$[(0, -1), (-120, 1), (-120, -51840001), (0, 1), (120, -1), (120, 51840001)]$
437006	$[(0, -1), (512582, -60632649673), (-512582, -284634059165), (0, 1), (512582, 284634059165), (-512582, 60632649673)]$
437722	$[(0, -1), (-70768, -31177824305), (0, 1), (70768, 31177824305), (70768, -201113809), (-70768, 201113809)]$
451756	$[(0, -1), (0, 1), (420, 189737561), (420, -41), (-420, -189737561), (-420, 41)]$

453962	$[(0, -1), (0, 1), (-122, -55383365), (-122, 1), (122, 55383365), (122, -1)]$
454295	$[(0, -1), (-9944, 541045), (9944, -541045), (0, 1), (9944, 4518050525), (-9944, -4518050525)]$
461648	$[(0, -1), (126224, 59340497537), (-126224, -59340497537), (0, 1), (-126224, 1069440385), (126224, -1069440385)]$
466211	$[(0, -1), (-34048, -15894689665), (34048, -21137537), (0, 1), (34048, 15894689665), (-34048, 21137537)]$
476284	$[(0, -1), (-122976, -59531943745), (0, 1), (122976, -960442561), (122976, 59531943745), (-122976, 960442561)]$
476656	$[(124, 59105345), (0, -1), (124, -1), (0, 1), (-124, 1), (-124, -59105345)]$
486563	$[(0, -1), (110376, 54387126053), (0, 1), (-110376, 682248365), (110376, -682248365), (-110376, -54387126053)]$
490389	$[(0, -1), (4440, -44621), (-4440, -2177371781), (0, 1), (-4440, 44621), (4440, 2177371781)]$
490894	$[(-17974, -8826285005), (0, -1), (17974, -2956249), (17974, 8826285005), (-17974, 2956249), (0, 1)]$
491582	$[(39984, 19687870033), (0, -1), (-39984, -19687870033), (-39984, 32455345), (0, 1), (39984, -32455345)]$
492676	$[(0, -1), (-21228, 4851817), (0, 1), (21228, 10463377945), (-21228, -10463377945), (21228, -4851817)]$
500094	$[(0, -1), (126, -1), (-126, 1), (126, 63011845), (0, 1), (-126, -63011845)]$
500659	$[(0, -1), (-467632, -277245520553), (0, 1), (-467632, 43121351065), (467632, -43121351065), (467632, 277245520553)]$
505068	$[(0, -1), (156420, -1851010921), (-156420, 1851010921), (0, 1), (-156420, -80853747481), (156420, 80853747481)]$
515681	$[(0, -1), (416016, -30553647769), (0, 1), (-416016, -245085194665), (416016, 245085194665), (-416016, 30553647769)]$
521314	$[(0, -1), (-2674, 9169), (2674, -9169), (2674, 1394002805), (-2674, -1394002805), (0, 1)]$
524288	$[(128, -1), (0, -1), (-128, -67108865), (0, 1), (-128, 1), (128, 67108865)]$
539089	$[(0, -1), (-92008, -49959115037), (92008, -358614325), (92008, 49959115037), (0, 1), (-92008, 358614325)]$
539892	$[(0, -1), (4884, -53945), (-4884, -2636886473), (0, 1), (-4884, 53945), (4884, 2636886473)]$
549250	$[(0, -1), (-130, -71402501), (0, 1), (130, 71402501), (-130, 1), (130, -1)]$
552536	$[(0, -1), (133764, 74976929105), (133764, -1067503601), (0, 1), (-133764, -74976929105), (-133764, 1067503601)]$
557444	$[(-2632, -1467200785), (0, -1), (0, 1), (2632, -8177), (2632, 1467200785), (-2632, 8177)]$
574992	$[(0, -1), (132, -1), (132, 75898945), (0, 1), (-132, 1), (-132, -75898945)]$
578086	$[(0, -1), (-52340, -30318902821), (-52340, 61881581), (52340, -61881581), (52340, 30318902821), (0, 1)]$
581439	$[(0, -1), (123240, -795963869), (123240, 72452506229), (-123240, 795963869), (0, 1), (-123240, -72452506229)]$
589844	$[(33640, -16121969), (0, -1), (33640, 19858474129), (-33640, -19858474129), (0, 1), (-33640, 16121969)]$
595814	$[(0, -1), (769494, 603672855941), (-769494, -603672855941), (-769494, 145197557825), (0, 1), (769494, -145197557825)]$
600374	$[(0, -1), (-2944, 10625), (2944, 1767511681), (-2944, -1767511681), (0, 1), (2944, -10625)]$

601526	$[(−134, −80604485), (0, −1), (−134, 1), (0, 1), (134, 80604485), (134, −1)]$
604879	$[(0, −1), (2320, 1403324441), (−2320, −1403324441), (0, 1), (−2320, 5161), (2320, −5161)]$
624250	$[(0, −1), (24990, 15606255001), (24990, −6247501), (0, 1), (−24990, 6247501), (−24990, −15606255001)]$
626432	$[(0, −1), (−41544, 28583425), (41544, 26053074433), (0, 1), (−41544, −26053074433), (41544, −28583425)]$
628864	$[(136, −1), (0, −1), (−136, 1), (136, 85525505), (0, 1), (−136, −85525505)]$
629120	$[(0, −1), (0, 1), (266960, 175197518849), (266960, −7247643649), (−266960, 7247643649), (−266960, −175197518849)]$
634637	$[(−21680, 4012969), (0, −1), (21680, 13762943129), (0, 1), (21680, −4012969), (−21680, −13762943129)]$
644182	$[(0, −1), (5324, 3429683533), (−5324, −3429683533), (0, 1), (−5324, 58565), (5324, −58565)]$
644870	$[(0, −1), (162558, 106468432685), (0, 1), (162558, −1639655225), (−162558, −106468432685), (−162558, 1639655225)]$
653348	$[(−1342332, 563471653769), (0, −1), (1342332, 1440481581305), (1342332, −563471653769), (0, 1), (−1342332, −1440481581305)]$
657018	$[(0, −1), (−138, 1), (−138, −90668485), (0, 1), (138, −1), (138, 90668485)]$
662904	$[(0, −1), (−268212, 7000863857), (268212, −7000863857), (0, 1), (268212, 184799671505), (−268212, −184799671505)]$
667378	$[(−8436, −5630225693), (0, −1), (8436, 5630225693), (8436, −224885), (−8436, 224885), (0, 1)]$
684575	$[(0, −1), (1392, −985), (0, 1), (−1392, −952929385), (−1392, 985), (1392, 952929385)]$
686000	$[(0, −1), (0, 1), (140, 96040001), (−140, −96040001), (−140, 1), (140, −1)]$
687530	$[(1394, 958417805), (0, −1), (−1394, 985), (0, 1), (1394, −985), (−1394, −958417805)]$
703342	$[(0, −1), (−341964, −253978262173), (−341964, 13460618485), (341964, 253978262173), (0, 1), (341964, −13460618485)]$
710469	$[(−409416, −313297707869), (0, −1), (−409416, 22420331765), (409416, −22420331765), (0, 1), (409416, 313297707869)]$
715822	$[(−413444, −318861253093), (413444, −22908942125), (142, −1), (−142, −101646725), (−413444, 22908942125), (0, −1), (0, 1), (413444, 318861253093), (−142, 1), (142, 101646725)]$
721362	$[(0, −1), (435798, −26457494669), (435798, 340825611545), (0, 1), (−435798, 26457494669), (−435798, −340825611545)]$
735018	$[(0, −1), (57960, 42667766441), (0, 1), (57960, −66123161), (−57960, −42667766441), (−57960, 66123161)]$
740342	$[(10108, −348725), (0, −1), (10108, 7483725661), (−10108, −7483725661), (0, 1), (−10108, 348725)]$
746496	$[(0, −1), (144, 107495425), (−144, −107495425), (−144, 1), (0, 1), (144, −1)]$
760554	$[(0, −1), (42756, 32543918749), (−42756, −32543918749), (−42756, 25671925), (0, 1), (42756, −25671925)]$
768584	$[(0, −1), (−3116, 9841), (3116, 2394917585), (0, 1), (3116, −9841), (−3116, −2394917585)]$
775114	$[(5852, 4536031765), (0, −1), (−5852, 64637), (0, 1), (5852, −64637), (−5852, −4536031765)]$
778034	$[(0, −1), (−146, −113592965), (146, −1), (0, 1), (146, 113592965), (−146, 1)]$

780356	$[(0, -1), (105376, 82603963201), (-105376, -82603963201), (0, 1), (-105376, 373169345), (105376, -373169345)]$
787030	$[(415159444, -86015465356505005), (0, -1), (415159444, 86342208293716325), (-415159444, 86015465356505005), (-415159444, -86342208293716325), (0, 1)]$
793120	$[(28392, -7211905), (0, -1), (-28392, 7211905), (0, 1), (-28392, -22525474945), (28392, 22525474945)]$
794664	$[(0, -1), (4632, -31265), (0, 1), (4632, 3680914913), (-4632, -3680914913), (-4632, 31265)]$
810448	$[(0, -1), (-148, -119946305), (148, -1), (-148, 1), (0, 1), (148, 119946305)]$
818378	$[(0, -1), (-261702, -219513204161), (261702, -5342044805), (-261702, 5342044805), (0, 1), (261702, 219513204161)]$
827687	$[(0, -1), (-208288, -175084770865), (0, 1), (208288, 175084770865), (208288, -2687501009), (-208288, 2687501009)]$
828294	$[(0, -1), (152532, -1062190477), (-152532, 1062190477), (0, 1), (152532, 127403530885), (-152532, -127403530885)]$
843750	$[(0, -1), (150, 126562501), (-150, -126562501), (150, -1), (-150, 1), (0, 1)]$
846133	$[(-6384, 76873), (0, -1), (0, 1), (6384, -76873), (-6384, -5401789945), (6384, 5401789945)]$
855439	$[(0, -1), (2732968, 5082170726165), (-2732968, 2744283313213), (0, 1), (2732968, -2744283313213), (-2732968, -5082170726165)]$
877952	$[(0, -1), (152, -1), (152, 133448705), (-152, 1), (0, 1), (-152, -133448705)]$
895606	$[(0, -1), (24390, 21847879621), (0, 1), (-24390, -21847879621), (24390, -4049281), (-24390, 4049281)]$
904885	$[(0, -1), (1006256, 1136146271065), (1006256, -225600310505), (0, 1), (-1006256, 225600310505), (-1006256, -1136146271065)]$
913066	$[(0, -1), (-154, -140612165), (154, 140612165), (0, 1), (154, -1), (-154, 1)]$
932756	$[(0, -1), (8064, 7521884929), (-8064, 140545), (0, 1), (8064, -140545), (-8064, -7521884929)]$
949104	$[(0, -1), (-156, 1), (156, -1), (-156, -148060225), (0, 1), (156, 148060225)]$
973397	$[(0, -1), (77168, 75232936505), (-77168, 117836809), (77168, -117836809), (-77168, -75232936505), (0, 1)]$
976754	$[(0, -1), (0, 1), (-620, -605587541), (620, -61), (620, 605587541), (-620, 61)]$
986078	$[(0, -1), (-158, 1), (158, -1), (0, 1), (158, 155800325), (-158, -155800325)]$
986906	$[(0, -1), (34760, -10635769), (34760, 34315488329), (0, 1), (-34760, -34315488329), (-34760, 10635769)]$
995304	$[(-6912, -6879624193), (0, -1), (6912, -82945), (6912, 6879624193), (0, 1), (-6912, 82945)]$
1024000	$[(0, -1), (-160, -163840001), (160, -1), (0, 1), (-160, 1), (160, 163840001)]$
1039070	$[(0, -1), (1580, -949), (1580, 1641731549), (0, 1), (-1580, -1641731549), (-1580, 949)]$
1042436	$[(0, -1), (26264, -4344145), (0, 1), (26264, 27382883249), (-26264, -27382883249), (-26264, 4344145)]$
1062882	$[(0, -1), (-162, 1), (162, 172186885), (162, -1), (0, 1), (-162, -172186885)]$
1090892	$[(0, -1), (994212, 1276005097369), (994212, -191427180265), (-994212, 191427180265), (0, 1), (-994212, -1276005097369)]$

1102736	$[(0, -1), (164, -1), (164, 180848705), (-164, 1), (0, 1), (-164, -180848705)]$
1107328	$[(0, -1), (-2460, -2724030241), (-2460, 3361), (2460, 2724030241), (0, 1), (2460, -3361)]$
1108676	$[(0, -1), (41768, 46323604433), (41768, -16425265), (-41768, 16425265), (0, 1), (-41768, -46323604433)]$
1143206	$[(0, -1), (-386064, 12243614545), (-386064, -453594295729), (386064, 453594295729), (0, 1), (386064, -12243614545)]$
1143574	$[(-166, -189833285), (0, -1), (-166, 1), (0, 1), (166, 189833285), (166, -1)]$
1172250	$[(0, -1), (-127080, 436396249), (-127080, -149405926249), (127080, 149405926249), (127080, -436396249), (0, 1)]$
1175722	$[(0, -1), (60686506, 1877446783481525), (0, 1), (-60686506, -1877446783481525), (-60686506, 1806096323274193), (60686506, -1806096323274193)]$
1179059	$[(0, -1), (-7536, -8885479369), (0, 1), (7536, 8885479369), (7536, -90745), (-7536, 90745)]$
1185408	$[(0, -1), (168, -1), (-168, -199148545), (0, 1), (-168, 1), (168, 199148545)]$
1188526	$[(0, -1), (-298578, -360380987233), (298578, 360380987233), (0, 1), (298578, -5513271205), (-298578, 5513271205)]$
1191454	$[(0, -1), (-4192, -4994590625), (4192, 4994590625), (-4192, 15457), (0, 1), (4192, -15457)]$
1228250	$[(0, -1), (-170, -208802501), (170, -1), (170, 208802501), (0, 1), (-170, 1)]$
1261685	$[(0, -1), (23680, 29879331649), (0, 1), (23680, -2630849), (-23680, 2630849), (-23680, -29879331649)]$
1272112	$[(0, -1), (172, 218803265), (-172, -218803265), (0, 1), (172, -1), (-172, 1)]$
1272611	$[(0, -1), (2398304, -1729682484721), (0, 1), (2398304, 4781790536465), (-2398304, -4781790536465), (-2398304, 1729682484721)]$
1277966	$[(0, -1), (0, 1), (8164, -106445), (-8164, -10433420869), (8164, 10433420869), (-8164, 106445)]$
1317006	$[(0, -1), (174, -1), (174, 229159045), (-174, 1), (-174, -229159045), (0, 1)]$
1325320	$[(0, -1), (-2060, -2730160849), (2060, -1649), (0, 1), (-2060, 1649), (2060, 2730160849)]$
1335752	$[(0, -1), (496584, 685490414113), (0, 1), (-496584, -685490414113), (-496584, 22177342945), (496584, -22177342945)]$
1362944	$[(0, -1), (0, 1), (176, 239878145), (176, -1), (-176, 1), (-176, -239878145)]$
1409938	$[(0, -1), (-178, -250968965), (178, -1), (178, 250968965), (0, 1), (-178, 1)]$
1429033	$[(0, -1), (-535344, -790984198777), (0, 1), (535344, -25959956425), (535344, 790984198777), (-535344, 25959956425)]$
1432070	$[(0, -1), (-826806, 91586127425), (826806, 1275630195845), (0, 1), (826806, -91586127425), (-826806, -1275630195845)]$
1458000	$[(0, -1), (-180, -262440001), (-180, 1), (0, 1), (180, -1), (180, 262440001)]$
1469592	$[(0, -1), (1433556, 2524911988625), (-1433556, 418169559473), (-1433556, -2524911988625), (0, 1), (1433556, -418169559473)]$
1476578	$[(0, -1), (-1492670, -2669031456929), (1492670, 2669031456929), (0, 1), (1492670, -464987773669), (-1492670, 464987773669)]$
1485146	$[(0, -1), (8788, -114245), (8788, 13051577293), (-8788, 114245), (0, 1), (-8788, -13051577293)]$

1492279	$[(0, -1), (212936, -1609323245), (0, 1), (-212936, -319369244389), (-212936, 1609323245), (212936, 319369244389)]$
1507142	$[(0, -1), (-182, -274299845), (182, -1), (0, 1), (182, 274299845), (-182, 1)]$
1544083	$[(0, -1), (167912, -764251469), (-167912, -260034316165), (167912, 260034316165), (0, 1), (-167912, 764251469)]$
1557376	$[(-184, -286557185), (0, -1), (0, 1), (184, 286557185), (184, -1), (-184, 1)]$
1572196	$[(0, -1), (191184, -1107111265), (191184, 301685831329), (-191184, -301685831329), (0, 1), (-191184, 1107111265)]$
1603704	$[(795660, 1350210752369), (0, -1), (-795660, 74207627729), (-795660, -1350210752369), (0, 1), (795660, -74207627729)]$
1608714	$[(0, -1), (186, 299220805), (0, 1), (186, -1), (-186, -299220805), (-186, 1)]$
1618846	$[(0, -1), (-438306, -722323648001), (-438306, 12773733125), (0, 1), (438306, 722323648001), (438306, -12773733125)]$
1661168	$[(0, -1), (188, 312299585), (-188, 1), (0, 1), (188, -1), (-188, -312299585)]$
1686123	$[(0, -1), (-676848, -1185507835849), (-676848, 44258855545), (676848, -44258855545), (0, 1), (676848, 1185507835849)]$
1687831	$[(-744, -1255746325), (0, -1), (744, 1255746325), (744, -61), (0, 1), (-744, 61)]$
1714750	$[(0, -1), (190, 325802501), (0, 1), (-190, -325802501), (-190, 1), (190, -1)]$
1736292	$[(9516, -124073), (0, -1), (-9516, -16522678745), (0, 1), (-9516, 124073), (9516, 16522678745)]$
1749245	$[(0, -1), (564144, 1011851589785), (564144, -25025518505), (-564144, -1011851589785), (0, 1), (-564144, 25025518505)]$
1755504	$[(0, -1), (353736, 627225661889), (353736, -6240698945), (0, 1), (-353736, -627225661889), (-353736, 6240698945)]$
1769472	$[(0, -1), (-192, -339738625), (0, 1), (-192, 1), (192, 339738625), (192, -1)]$
1780690	$[(0, -1), (-22458, 1590185), (22458, 39992326205), (-22458, -39992326205), (0, 1), (22458, -1590185)]$
1798234	$[(0, -1), (-163466, -294556131685), (-163466, 606012641), (163466, 294556131685), (0, 1), (163466, -606012641)]$
1802419	$[(0, -1), (-34760, -62657909269), (34760, 62657909269), (0, 1), (34760, -5824829), (-34760, 5824829)]$
1805606	$[(0, -1), (83334, -80085265), (-83334, 80085265), (83334, 150548455669), (0, 1), (-83334, -150548455669)]$
1825346	$[(0, -1), (194, -1), (194, 354117125), (-194, 1), (-194, -354117125), (0, 1)]$
1846316	$[(1720, -689), (0, -1), (-1720, 689), (-1720, -3175664209), (0, 1), (1720, 3175664209)]$
1870611	$[(10248, -143837), (0, -1), (-10248, 143837), (10248, 19170165365), (0, 1), (-10248, -19170165365)]$
1870682	$[(28734, 53755346905), (0, -1), (-28734, 3170317), (28734, -3170317), (-28734, -53755346905), (0, 1)]$
1882384	$[(0, -1), (196, 368947265), (196, -1), (-196, -368947265), (0, 1), (-196, 1)]$
1883014	$[(0, -1), (-2515524, -6320559612181), (2515524, -1583792702845), (-2515524, 1583792702845), (0, 1), (2515524, 6320559612181)]$
1910725	$[(0, -1), (-152680, 464939749), (152680, 292194432749), (0, 1), (-152680, -292194432749), (152680, -464939749)]$
1915307	$[(0, -1), (643728, 1266823766585), (0, 1), (-643728, -1266823766585), (-643728, 33887022089), (643728, -33887022089)]$

1934502	$[(0, -1), (8150988, 42026112390061), (0, 1), (-8150988, -42026112390061), (-8150988, 26258009802085), (8150988, -26258009802085)]$
1937954	$[(0, -1), (-449570, -882814027589), (449570, 882814027589), (0, 1), (-449570, 11568047809), (449570, -11568047809)]$
1940598	$[(0, -1), (198, -1), (198, 384238405), (0, 1), (-198, 1), (-198, -384238405)]$
1949110	$[(0, -1), (5428744, 20947217236985), (-5428744, -20947217236985), (0, 1), (-5428744, 10365998019145), (5428744, -10365998019145)]$
1993952	$[(0, -1), (17256, 34408279937), (-17256, -34408279937), (17256, -644225), (0, 1), (-17256, 644225)]$
1994228	$[(0, -1), (-41976, 9270865), (0, 1), (-41976, -83718985393), (41976, 83718985393), (41976, -9270865)]$
2000000	$[(0, -1), (200, 400000001), (200, -1), (0, 1), (-200, -400000001), (-200, 1)]$
2060602	$[(0, -1), (-202, 1), (202, 416241605), (-202, -416241605), (0, 1), (202, -1)]$
2122416	$[(-204, -432972865), (0, -1), (-204, 1), (204, -1), (0, 1), (204, 432972865)]$
2151268	$[(0, -1), (0, 1), (-10976, 153665), (-10976, -23612471233), (10976, -153665), (10976, 23612471233)]$
2161024	$[(0, -1), (-2508, 1825), (0, 1), (2508, 5419850017), (-2508, -5419850017), (2508, -1825)]$
2185454	$[(0, -1), (-206, 1), (206, -1), (0, 1), (206, 450203525), (-206, -450203525)]$
2203215	$[(0, -1), (-73944, -162960393725), (73944, -45863765), (73944, 162960393725), (0, 1), (-73944, 45863765)]$
2238192	$[(0, -1), (-62196, 26868673), (62196, -26868673), (-62196, -139233458305), (0, 1), (62196, 139233458305)]$
2249728	$[(208, 467943425), (0, -1), (0, 1), (208, -1), (-208, 1), (-208, -467943425)]$
2256924	$[(-18804, -42439935385), (0, -1), (18804, 42439935385), (-18804, 736489), (0, 1), (18804, -736489)]$
2315250	$[(0, -1), (-210, 1), (0, 1), (210, 486202501), (-210, -486202501), (210, -1)]$
2365416	$[(-155904, -369177883649), (0, -1), (155904, -400067585), (0, 1), (155904, 369177883649), (-155904, 400067585)]$
2382032	$[(0, -1), (-212, -504990785), (-212, 1), (212, -1), (0, 1), (212, 504990785)]$
2398508	$[(-1208616, 173620911377), (0, -1), (1208616, 3072496056305), (-1208616, -3072496056305), (1208616, -173620911377), (0, 1)]$
2435344	$[(0, -1), (-11060, 138881), (11060, 26935043521), (0, 1), (11060, -138881), (-11060, -26935043521)]$
2450086	$[(0, -1), (-214, -524318405), (214, -1), (0, 1), (214, 524318405), (-214, 1)]$
2477401	$[(0, -1), (801144, 2035354000069), (-801144, 50599053325), (801144, -50599053325), (0, 1), (-801144, -2035354000069)]$
2486833	$[(0, -1), (-11816, 165845), (-11816, -29384584573), (11816, -165845), (0, 1), (11816, 29384584573)]$
2489698	$[(0, -1), (-3360, -8365389089), (3360, 8365389089), (3360, -3809), (0, 1), (-3360, 3809)]$
2519424	$[(0, -1), (216, 544195585), (-216, -544195585), (-216, 1), (0, 1), (216, -1)]$
2556752	$[(1304532, -204535156481), (0, -1), (-1304532, -3539899956545), (-1304532, 204535156481), (1304532, 3539899956545), (0, 1)]$
2566618	$[(0, -1), (-2656, 1825), (-2656, -6816939233), (0, 1), (2656, -1825), (2656, 6816939233)]$

2590058	$[(0, -1), (218, 564632645), (-218, -564632645), (-218, 1), (0, 1), (218, -1)]$
2607173	$[(0, -1), (-224160, -585501962641), (224160, 585501962641), (0, 1), (-224160, 1078062961), (224160, -1078062961)]$
2641632	$[(0, -1), (0, 1), (-69528, 31803265), (69528, 183699192961), (-69528, -183699192961), (69528, -31803265)]$
2662000	$[(0, -1), (220, -1), (220, 585640001), (-220, 1), (0, 1), (-220, -585640001)]$
2665336	$[(0, -1), (12660, -190321), (-12660, 190321), (0, 1), (-12660, -33743344081), (12660, 33743344081)]$
2712962	$[(0, -1), (147158, -293446429), (-147158, 293446429), (0, 1), (147158, 399527508425), (-147158, -399527508425)]$
2735262	$[(0, -1), (0, 1), (222, -1), (-222, 1), (222, 607228165), (-222, -607228165)]$
2789530	$[(0, -1), (2640, 7364360849), (2640, -1649), (-2640, 1649), (0, 1), (-2640, -7364360849)]$
2806186	$[(0, -1), (-25344, 1450241), (-25344, -71121428225), (0, 1), (25344, -1450241), (25344, 71121428225)]$
2807782	$[(0, -1), (30002, -2404445), (0, 1), (-30002, -84241480009), (-30002, 2404445), (30002, 84241480009)]$
2809856	$[(0, -1), (-224, 1), (0, 1), (224, 629407745), (224, -1), (-224, -629407745)]$
2812808	$[(0, -1), (1329604, 3938310550705), (-1329604, -3938310550705), (1329604, -198389782673), (0, 1), (-1329604, 198389782673)]$
2876663	$[(0, -1), (-72632, -208971081005), (72632, 208971081005), (0, 1), (72632, -33293989), (-72632, 33293989)]$
2885794	$[(0, -1), (-226, 1), (226, 652189445), (-226, -652189445), (226, -1), (0, 1)]$
2963046	$[(0, -1), (373062, 1109763353845), (0, 1), (373062, -4363486993), (-373062, -1109763353845), (-373062, 4363486993)]$
2963088	$[(0, -1), (228, 675584065), (0, 1), (228, -1), (-228, 1), (-228, -675584065)]$
2966869	$[(0, -1), (16717968, 166728756697865), (-16717968, -166728756697865), (16717968, -117128735695673), (0, 1), (-16717968, 117128735695673)]$
3005033	$[(0, -1), (-64272, -193161566441), (64272, 193161566441), (0, 1), (64272, -22085465), (-64272, 22085465)]$
3006232	$[(0, -1), (-283004, 1880772305), (-283004, -852656453233), (0, 1), (283004, 852656453233), (283004, -1880772305)]$
3025206	$[(0, -1), (-7062, -21364033877), (-7062, 29105), (7062, -29105), (0, 1), (7062, 21364033877)]$
3028475	$[(0, -1), (490880, -9701016001), (0, 1), (-490880, -1496318824001), (490880, 1496318824001), (-490880, 9701016001)]$
3037470	$[(0, -1), (13500, -202501), (13500, 41006047501), (0, 1), (-13500, -41006047501), (-13500, 202501)]$
3041750	$[(0, -1), (230, -1), (-230, 1), (0, 1), (230, 699602501), (-230, -699602501)]$
3041854	$[(0, -1), (-89766, -273114501229), (0, 1), (-89766, 59435065), (89766, -59435065), (89766, 273114501229)]$
3121792	$[(0, -1), (232, -1), (-232, -724255745), (232, 724255745), (-232, 1), (0, 1)]$
3167708	$[(0, -1), (1197972, 3925978644185), (-1197972, 131153156009), (0, 1), (-1197972, -3925978644185), (1197972, -131153156009)]$
3169644	$[(0, -1), (-257664, 1347023105), (0, 1), (257664, 818050174721), (-257664, -818050174721), (0, 1), (257664, -1347023105)]$

3196501	$[(0, -1), (-32064, -102495186209), (32064, 102495186209), (0, 1), (-32064, 2578145), (32064, -2578145)]$
3203226	$[(0, -1), (-234, 1), (-234, -749554885), (0, 1), (234, 749554885), (234, -1)]$
3215698	$[(0, -1), (1326340, 4439384536109), (1326340, -174275650789), (0, 1), (-1326340, 174275650789), (-1326340, -4439384536109)]$
3232661	$[(0, -1), (1032, -85), (-1032, 85), (0, 1), (1032, 3336106237), (-1032, -3336106237)]$
3286064	$[(0, -1), (236, 775511105), (0, 1), (-236, 1), (-236, -775511105), (236, -1)]$
3291934	$[(0, -1), (152958, 503799266725), (0, 1), (-152958, -503799266725), (-152958, 271625953), (152958, -271625953)]$
3318623	$[(0, -1), (-12432, -41257265881), (12432, -144745), (12432, 41257265881), (0, 1), (-12432, 144745)]$
3341114	$[(0, -1), (-29340, -98030174581), (-29340, 1889821), (0, 1), (29340, 98030174581), (29340, -1889821)]$
3370318	$[(238, -1), (0, -1), (0, 1), (238, 802135685), (-238, -802135685), (-238, 1)]$
3382616	$[(137340, 464759862769), (0, -1), (-137340, 191381329), (0, 1), (137340, -191381329), (-137340, -464759862769)]$
3387260	$[(0, -1), (1831756, -424569837785), (0, 1), (-1831756, 424569837785), (1831756, 6629203666345), (-1831756, -6629203666345)]$
3423917	$[(0, -1), (5520, 18900034121), (0, 1), (-5520, -18900034121), (5520, -12281), (-5520, 12281)]$
3445522	$[(94058, -60365849), (0, -1), (-94058, 60365849), (94058, 324139274125), (0, 1), (-94058, -324139274125)]$
3450458	$[(-3811033204, -7268564922413249005), (0, -1), (-3811033204, 7255415112406241573), (3811033204, 7268564922413249005), (0, 1), (3811033204, -7255415112406241573)]$
3456000	$[(0, -1), (240, -1), (240, 829440001), (0, 1), (-240, 1), (-240, -829440001)]$
3477134	$[(0, -1), (14460, -217381), (14460, 50279575021), (-14460, 217381), (-14460, -50279575021), (0, 1)]$
3543122	$[(0, -1), (-242, 1), (-242, -857435525), (0, 1), (242, -1), (242, 857435525)]$
3547982	$[(0, -1), (488432, 1741119932945), (488432, -8171988721), (0, 1), (-488432, 8171988721), (-488432, -1741119932945)]$
3557608	$[(-126012, 140566385), (0, -1), (126012, -140566385), (126012, 448441865681), (0, 1), (-126012, -448441865681)]$
3627699	$[(0, -1), (107088, 388567643417), (-107088, -388567643417), (0, 1), (107088, -84612905), (-107088, 84612905)]$
3631696	$[(0, -1), (244, 886133825), (0, 1), (244, -1), (-244, 1), (-244, -886133825)]$
3636670	$[(0, -1), (-81942, 37818185), (81942, -37818185), (81942, 298033831325), (0, 1), (-81942, -298033831325)]$
3655181	$[(0, -1), (2528, -1105), (-2528, -9240298673), (0, 1), (2528, 9240298673), (-2528, 1105)]$
3678626	$[(67578, 248615159533), (0, -1), (0, 1), (-67578, 20971705), (-67578, -248615159533), (67578, -20971705)]$
3709771	$[(0, -1), (50264, 186476486989), (0, 1), (-50264, 8557445), (-50264, -186476486989), (50264, -8557445)]$
3709937	$[(0, -1), (15424, 57222315553), (-15424, 247265), (15424, -247265), (0, 1), (-15424, -57222315553)]$
3721734	$[(0, -1), (0, 1), (246, -1), (-246, 1), (246, 915546565), (-246, -915546565)]$

3739050	$[(0, -1), (-3943800, -18089370976249), (-3943800, 3343305586249), (0, 1), (3943800, 18089370976249), (3943800, -3343305586249)]$
3746124	$[(0, -1), (0, 1), (-688536, 21603074545), (688536, 2600944309009), (-688536, -2600944309009), (688536, -21603074545)]$
3749776	$[(0, -1), (968188, -59531943745), (-968188, -3690020069633), (-968188, 59531943745), (0, 1), (968188, 3690020069633)]$
3801641	$[(-4091880, -19205187692989), (0, -1), (-4091880, 3649328917909), (0, 1), (4091880, -3649328917909), (4091880, 19205187692989)]$
3813248	$[(0, -1), (248, -1), (-248, 1), (0, 1), (248, 945685505), (-248, -945685505)]$
3839834	$[(-661456, 18704404721), (0, -1), (661456, -18704404721), (661456, 2558585643025), (0, 1), (-661456, -2558585643025)]$
3881504	$[(-1210824, 111682100609), (0, -1), (-1210824, -4811500299905), (0, 1), (1210824, -111682100609), (1210824, 4811500299905)]$
3906250	$[(0, -1), (-250, -976562501), (250, -1), (0, 1), (-250, 1), (250, 976562501)]$
3916707	$[(0, -1), (846384, 3353297497705), (0, 1), (-846384, -3353297497705), (846384, -38259360217), (-846384, 38259360217)]$
3983994	$[(0, -1), (-3456474, 2230147929745), (0, 1), (3456474, 16000719606901), (3456474, -2230147929745), (-3456474, -16000719606901)]$
3993185	$[(81008, -33278185), (0, -1), (-81008, 33278185), (0, 1), (-81008, -323513208665), (81008, 323513208665)]$
4000752	$[(0, -1), (252, -1), (252, 1008189505), (0, 1), (-252, -1008189505), (-252, 1)]$
4010151	$[(0, -1), (-19992, -80171436925), (-19992, 498133), (19992, 80171436925), (0, 1), (19992, -498133)]$
4028040	$[(0, -1), (-171156, 311047505), (0, 1), (171156, 689734261745), (-171156, -689734261745), (171156, -311047505)]$
4096766	$[(254, -1), (0, -1), (-254, -1040578565), (0, 1), (-254, 1), (254, 1040578565)]$
4121359	$[(0, -1), (9736, 40125607205), (0, 1), (9736, -55981), (-9736, -40125607205), (-9736, 55981)]$
4130670	$[(-2460, -10161449101), (0, -1), (-2460, 901), (2460, 10161449101), (2460, -901), (0, 1)]$
4177928	$[(261632, -1070598145), (0, -1), (-261632, 1070598145), (-261632, -1094150256641), (261632, 1094150256641), (0, 1)]$
4190954	$[(0, -1), (-8796912, 24425780980945), (-8796912, -61293234514993), (0, 1), (8796912, -24425780980945), (8796912, 61293234514993)]$
4194272	$[(0, -1), (16384, -262145), (-16384, 262145), (-16384, -68719214593), (0, 1), (16384, 68719214593)]$
4194304	$[(0, -1), (-256, 1), (256, 1073741825), (0, 1), (-256, -1073741825), (256, -1)]$
4207894	$[(18890, 79487518129), (0, -1), (-18890, -79487518129), (-18890, 400469), (0, 1), (18890, -400469)]$
4293378	$[(0, -1), (-258, -1107691525), (0, 1), (258, 1107691525), (-258, 1), (258, -1)]$
4394000	$[(-260, -1142440001), (0, -1), (260, -1), (0, 1), (260, 1142440001), (-260, 1)]$
4409638	$[(1672, -265), (0, -1), (-1672, 265), (-1672, -7372915001), (0, 1), (1672, 7372915001)]$
4411972	$[(0, -1), (-611988, 12925931929), (611988, -12925931929), (0, 1), (-611988, -2712999852265), (611988, 2712999852265)]$
4424824	$[(0, -1), (2301156, 10829524119569), (0, 1), (-2301156, 647313823025), (2301156, -647313823025), (-2301156, -10829524119569)]$
4496182	$[(0, -1), (262, -1), (-262, -1177999685), (-262, 1), (0, 1), (262, 1177999685)]$

4599936	$[(264, -1), (0, -1), (264, 1214383105), (0, 1), (-264, -1214383105), (-264, 1)]$
4624864	$[(0, -1), (-8792, 36737), (8792, 40661841025), (8792, -36737), (0, 1), (-8792, -40661841025)]$
4692202	$[(0, -1), (96190158, -4406102341597325), (-96190158, 4406102341597325), (96190158, 4857445993345241), (0, 1), (-96190158, -4857445993345241)]$
4705274	$[(0, -1), (-266, -1251602885), (266, 1251602885), (0, 1), (-266, 1), (266, -1)]$
4706140	$[(0, -1), (0, 1), (266460, 1255002272201), (266460, -1004207801), (-266460, -1255002272201), (-266460, 1004207801)]$
4760559	$[(0, -1), (-17472, -83176766945), (0, 1), (17472, 83176766945), (-17472, 280097), (17472, -280097)]$
4776046	$[(0, -1), (-553280, 8836019009), (553280, -8836019009), (-553280, -2651326749889), (0, 1), (553280, 2651326749889)]$
4812208	$[(0, -1), (268, -1), (0, 1), (-268, -1289671745), (-268, 1), (268, 1289671745)]$
4879492	$[(0, -1), (4840, -5809), (4840, 23616747089), (-4840, -23616747089), (0, 1), (-4840, 5809)]$
4902714	$[(0, -1), (-65964, -323417261701), (0, 1), (65964, 323417261701), (-65964, 14635405), (65964, -14635405)]$
4920750	$[(270, 1328602501), (0, -1), (-270, 1), (0, 1), (-270, -1328602501), (270, -1)]$
4935751	$[(0, -1), (516200, 2554782638101), (516200, -6947971901), (0, 1), (-516200, -2554782638101), (-516200, 6947971901)]$

Integral solutions of the equation

$$x^4 - 4y^2 + 2axy + 4 = 0$$

with odd values of a in the range $3 \leq a \leq 5000.000$.

67	$[(0, -1), (-16, -565), (16, 565), (0, 1), (-16, 29), (16, -29)]$
77	$[(0, -1), (32, 1417), (0, 1), (-32, 185), (-32, -1417), (32, -185)]$
241	$[(-48, 221), (0, -1), (-48, -6005), (0, 1), (48, -221), (48, 6005)]$
409	$[(16, 3277), (0, -1), (-16, 5), (16, -5), (-16, -3277), (0, 1)]$
647	$[(-48, 85), (0, -1), (0, 1), (48, 15613), (-48, -15613), (48, -85)]$
717	$[(192, 73457), (0, -1), (0, 1), (-192, 4625), (192, -4625), (-192, -73457)]$
1407	$[(0, -1), (-3360, -6949081), (3360, -4585321), (-3360, 4585321), (3360, 6949081), (0, 1)]$
2041	$[(0, -1), (-240, -248261), (-240, 3341), (240, -3341), (0, 1), (240, 248261)]$
2453	$[(0, -1), (704, -66065), (-704, -929521), (0, 1), (704, 929521), (-704, 66065)]$
3287	$[(0, -1), (192, -1073), (192, 316625), (0, 1), (-192, 1073), (-192, -316625)]$
4253	$[(0, -1), (-48, 13), (48, 102085), (0, 1), (48, -13), (-48, -102085)]$
4649	$[(0, -1), (1904, -647597), (1904, 5073445), (-1904, -5073445), (-1904, 647597), (0, 1)]$
4693	$[(0, -1), (-240, 1469), (240, -1469), (-240, -564629), (0, 1), (240, 564629)]$
6497	$[(0, -1), (0, 1), (-1584, -5435189), (-1584, 289565), (1584, -289565), (1584, 5435189)]$
8023	$[(0, -1), (-464, -1867541), (464, -6205), (0, 1), (-464, 6205), (464, 1867541)]$
8483	$[(0, -1), (-1408, -6132257), (1408, 6132257), (-1408, 160225), (1408, -160225), (0, 1)]$
11059	$[(0, -1), (48, -5), (0, 1), (-48, -265421), (48, 265421), (-48, 5)]$
17747	$[(0, -1), (12432, -39785213), (-12432, 39785213), (-12432, -150100565), (0, 1), (12432, 150100565)]$
18887	$[(0, -1), (13760, 179790481), (-13760, 49847921), (-13760, -179790481), (13760, -49847921), (0, 1)]$
19039	$[(0, -1), (352, 3352009), (-352, -3352009), (0, 1), (352, -1145), (-352, 1145)]$
21109	$[(0, -1), (1408, -65825), (1408, 14926561), (0, 1), (-1408, -14926561), (-1408, 65825)]$
24405	$[(0, -1), (-192, 145), (192, -145), (0, 1), (192, 2343025), (-192, -2343025)]$
25269	$[(0, -1), (2448, -287605), (2448, 31216861), (0, 1), (-2448, -31216861), (-2448, 287605)]$
25393	$[(0, -1), (704, -6865), (0, 1), (-704, -8945201), (704, 8945201), (-704, 6865)]$

26293	$[(0, -1), (0, 1), (-203728, -22134866797), (-203728, 19456556645), (203728, -19456556645), (203728, 22134866797)]$
34755	$[(0, -1), (7920, 144439901), (-7920, -144439901), (0, 1), (7920, -6810101), (-7920, 6810101)]$
37013	$[(-1760, -32644921), (0, -1), (0, 1), (1760, -73481), (-1760, 73481), (1760, 32644921)]$
42785	$[(0, -1), (-10800, -244925749), (10800, 244925749), (10800, -13886749), (0, 1), (-10800, 13886749)]$
42893	$[(480, -1289), (480, 10295609), (0, -1), (-480, -10295609), (0, 1), (-480, 1289)]$
56303	$[(0, -1), (16800, 511852601), (0, 1), (16800, -38907401), (-16800, -511852601), (-16800, 38907401)]$
56577	$[(0, -1), (-106128, -7329304333), (106128, 7329304333), (-106128, 4327102405), (106128, -4327102405), (0, 1)]$
57803	$[(-20224, 64446145), (0, -1), (-20224, -648950081), (20224, -64446145), (0, 1), (20224, 648950081)]$
74875	$[(656, -1885), (0, -1), (-656, 1885), (0, 1), (656, 24560885), (-656, -24560885)]$
75535	$[(0, -1), (-3360, 250601), (3360, -250601), (0, 1), (-3360, -127149401), (3360, 127149401)]$
84245	$[(0, -1), (156240, 15931874701), (-156240, 9350655301), (0, 1), (156240, -9350655301), (-156240, -15931874701)]$
87097	$[(896, -4129), (0, -1), (-896, -39023585), (896, 39023585), (-896, 4129), (0, 1)]$
101293	$[(0, -1), (1824, -29945), (1824, 92409161), (-1824, -92409161), (0, 1), (-1824, 29945)]$
127585	$[(0, -1), (-221520, -32598322301), (-221520, 18467007701), (0, 1), (221520, -18467007701), (221520, 32598322301)]$
129055	$[(0, -1), (-256, 65), (-256, -16519105), (256, -65), (0, 1), (256, 16519105)]$
153859	$[(0, -1), (0, 1), (-13904, 8664877), (13904, -8664877), (13904, 1078292645), (-13904, -1078292645)]$
161545	$[(-4944, -399712925), (0, -1), (-4944, 373685), (4944, -373685), (0, 1), (4944, 399712925)]$
162463	$[(0, -1), (-3728, 159373), (-3728, -302990405), (0, 1), (3728, 302990405), (3728, -159373)]$
183145	$[(0, -1), (992, -2665), (-992, -90842585), (0, 1), (-992, 2665), (992, 90842585)]$
186519	$[(107088, -2609982685), (0, -1), (0, 1), (-107088, -12596956021), (107088, 12596956021), (-107088, 2609982685)]$
194365	$[(-46608, 246987445), (0, -1), (46608, 4776469405), (0, 1), (46608, -246987445), (-46608, -4776469405)]$
197113	$[(0, -1), (34048, 3452952385), (34048, -97300673), (0, 1), (-34048, -3452952385), (-34048, 97300673)]$
208173	$[(0, -1), (-192, -19984625), (192, 19984625), (0, 1), (-192, 17), (192, -17)]$
243257	$[(0, -1), (124432, -3258490885), (124432, 18392968397), (-124432, -18392968397), (0, 1), (-124432, 3258490885)]$
332447	$[(0, -1), (1088, -1937), (-1088, -180853105), (0, 1), (1088, 180853105), (-1088, 1937)]$
335399	$[(0, -1), (-2128, 14365), (2128, 356878901), (-2128, -356878901), (0, 1), (2128, -14365)]$
339035	$[(0, -1), (9808, -1390285), (-9808, -1664017925), (9808, 1664017925), (-9808, 1390285), (0, 1)]$
351743	$[(0, -1), (784, 137883941), (0, 1), (-784, 685), (784, -685), (-784, -137883941)]$

371507	$[(0, -1), (32592, 6100319525), (-32592, -6100319525), (0, 1), (-32592, 46241453), (32592, -46241453)]$
390659	$[(0, -1), (-245616, 14551158805), (245616, -14551158805), (245616, 62527209277), (0, 1), (-245616, -62527209277)]$
441851	$[(0, -1), (28960, -27367561), (0, 1), (-28960, -6425370041), (28960, 6425370041), (-28960, 27367561)]$
469399	$[(0, -1), (-592, -138942325), (0, 1), (-592, 221), (592, -221), (592, 138942325)]$
496957	$[(0, -1), (3344, -37621), (-3344, 37621), (0, 1), (3344, 830949725), (-3344, -830949725)]$
566185	$[(1408, -2465), (0, -1), (0, 1), (1408, 398596705), (-1408, -398596705), (-1408, 2465)]$
577913	$[(0, -1), (-365232, -137815053685), (-365232, 32278893277), (365232, -32278893277), (0, 1), (365232, 137815053685)]$
587703	$[(-9936, -2920542805), (0, -1), (9936, 2920542805), (0, 1), (9936, -834301), (-9936, 834301)]$
601937	$[(0, -1), (5568, 1675935985), (0, 1), (-5568, -1675935985), (-5568, 143377), (5568, -143377)]$
621303	$[(480, -89), (0, -1), (0, 1), (480, 149112809), (-480, -149112809), (-480, 89)]$
648651	$[(0, -1), (3792, -42029), (0, 1), (-3792, 42029), (3792, 1229884325), (-3792, -1229884325)]$
691979	$[(0, -1), (50384, 17524267813), (50384, -91932845), (-50384, 91932845), (0, 1), (-50384, -17524267813)]$
734367	$[(0, -1), (-39552, 42005665), (39552, -42005665), (0, 1), (-39552, -14564847457), (39552, 14564847457)]$
738545	$[(-27008, -9986631265), (0, -1), (-27008, 13319585), (0, 1), (27008, 9986631265), (27008, -13319585)]$
797383	$[(0, -1), (112272, 45632360293), (0, 1), (-112272, 870468205), (112272, -870468205), (-112272, -45632360293)]$
920209	$[(294288, 148067242765), (0, -1), (-294288, -148067242765), (0, 1), (-294288, 12664009669), (294288, -12664009669)]$
983101	$[(-2128, -1046024365), (-2128, 4901), (0, -1), (2128, -4901), (0, 1), (2128, 1046024365)]$
1138001	$[(0, -1), (0, 1), (6768, -136205), (6768, 3851131589), (-6768, -3851131589), (-6768, 136205)]$
1149791	$[(0, -1), (550208, 377072759089), (-550208, 60760655825), (-550208, -377072759089), (0, 1), (550208, -60760655825)]$
1159249	$[(0, -1), (13104, -970397), (-13104, -7596369845), (13104, 7596369845), (0, 1), (-13104, 970397)]$
1162817	$[(0, -1), (184800, -2648434601), (0, 1), (-184800, -110092725401), (-184800, 2648434601), (184800, 110092725401)]$
1217563	$[(609408, 447967188577), (0, -1), (0, 1), (609408, -76970872225), (-609408, -447967188577), (-609408, 76970872225)]$
1260991	$[(0, -1), (9408, -330161), (-9408, 330161), (0, 1), (9408, 5932031825), (-9408, -5932031825)]$
1294555	$[(338256, 232992392005), (0, -1), (0, 1), (338256, -14046893965), (-338256, -232992392005), (-338256, 14046893965)]$
1299991	$[(0, -1), (-120096, 660625577), (120096, -660625577), (0, 1), (120096, 78722485145), (-120096, -78722485145)]$
1364557	$[(0, -1), (-568288, -446171006905), (568288, 446171006905), (568288, -58440322697), (0, 1), (-568288, 58440322697)]$
1381937	$[(0, -1), (-70672, -48959503277), (-70672, 127377445), (0, 1), (70672, -127377445), (70672, 48959503277)]$
1457443	$[(0, -1), (32208, -11456653), (32208, 23482118725), (0, 1), (-32208, 11456653), (-32208, -23482118725)]$

1485833	$[(0, -1), (-171856, -129360424349), (171856, 129360424349), (0, 1), (-171856, 1685766325), (171856, -1685766325)]$
1503761	$[(-66608, -50179322869), (0, -1), (66608, 50179322869), (0, 1), (66608, -98066525), (-66608, 98066525)]$
1535351	$[(0, -1), (-17936, -13770906565), (-17936, 1878797), (0, 1), (17936, -1878797), (17936, 13770906565)]$
1672601	$[(0, -1), (15152, 12672664981), (15152, -1039805), (0, 1), (-15152, 1039805), (-15152, -12672664981)]$
1698061	$[(628544, -65161411825), (0, -1), (0, 1), (-628544, 65161411825), (-628544, -598814438417), (628544, 598814438417)]$
1753927	$[(0, -1), (18816, 16502844065), (-18816, 1898849), (0, 1), (18816, -1898849), (-18816, -16502844065)]$
1830235	$[(0, -1), (-26192, -23973665285), (-26192, 4907725), (0, 1), (26192, 23973665285), (26192, -4907725)]$
1869781	$[(-551216, -556778534693), (0, -1), (551216, 556778534693), (551216, -41451932845), (0, 1), (-551216, 41451932845)]$
1925735	$[(0, -1), (2944, 2834688545), (2944, -6625), (0, 1), (-2944, 6625), (-2944, -2834688545)]$
1992425	$[(0, -1), (420544, 436851158705), (420544, -17899969105), (0, 1), (-420544, 17899969105), (-420544, -436851158705)]$
2111333	$[(1088, -305), (-1088, 305), (0, -1), (1088, 1148565457), (0, 1), (-1088, -1148565457)]$
2156459	$[(0, -1), (1835776, 2943879923777), (-1835776, -2943879923777), (1835776, -964492085185), (0, 1), (-1835776, 964492085185)]$
2237799	$[(0, -1), (627360, 753357863609), (627360, -51405073289), (0, 1), (-627360, -753357863609), (-627360, 51405073289)]$
2288335	$[(0, -1), (48608, 55640776745), (-48608, 25082905), (0, 1), (48608, -25082905), (-48608, -55640776745)]$
2352679	$[(0, -1), (-560928, -695430669721), (560928, 695430669721), (0, 1), (560928, -35588906665), (-560928, 35588906665)]$
2481061	$[(0, -1), (-232176, -290521929685), (232176, -2500520317), (0, 1), (232176, 290521929685), (-232176, 2500520317)]$
2638355	$[(0, -1), (992, 1308624265), (-992, -1308624265), (992, -185), (0, 1), (-992, 185)]$
2733231	$[(-262560, -362099715641), (0, -1), (262560, -3281149961), (0, 1), (-262560, 3281149961), (262560, 362099715641)]$
2761051	$[(-3136, 5585), (0, -1), (3136, -5585), (0, 1), (3136, 4329333553), (-3136, -4329333553)]$
2778817	$[(0, -1), (-127520, -177549706409), (0, 1), (127520, 177549706409), (-127520, 372334489), (127520, -372334489)]$
2896051	$[(-37808, -54756277229), (0, -1), (37808, -9329125), (0, 1), (-37808, 9329125), (37808, 54756277229)]$
3105239	$[(-1077536, -1854717797017), (0, -1), (1077536, -181714391465), (-1077536, 181714391465), (0, 1), (1077536, 1854717797017)]$
3164017	$[(0, -1), (0, 1), (311221904, -48183984599617285), (-311221904, 48183984599617285), (311221904, 48676340297131469), (-311221904, -48676340297131469)]$
3255405	$[(0, -1), (-153120, -249783984649), (153120, -550177849), (0, 1), (-153120, 550177849), (153120, 249783984649)]$
3299843	$[(0, -1), (-107088, 185884205), (107088, -185884205), (107088, 176872677797), (0, 1), (-107088, -176872677797)]$
3306765	$[(-173856, 792392185), (0, -1), (-173856, -288242860105), (173856, 288242860105), (0, 1), (173856, -792392185)]$
3326613	$[(0, -1), (-9024, 110449), (9024, -110449), (0, 1), (9024, 15009788305), (-9024, -15009788305)]$

3333555	$[(0, -1), (-1082640, -1978147162549), (-1082640, 173627169949), (1082640, -173627169949), (0, 1), (1082640, 1978147162549)]$
3707851	$[(0, -1), (-896, -1661117345), (0, 1), (896, 1661117345), (896, -97), (-896, 97)]$
4784989	$[(0, -1), (15345408, -100806286671169), (-15345408, 100806286671169), (0, 1), (-15345408, -137520090911425), (15345408, 137520090911425)]$
4940745	$[(0, -1), (303744, -2825325665), (303744, 753186150305), (0, 1), (-303744, -753186150305), (-303744, 2825325665)]$