

Integral solutions of the equation

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

with $3 \leq L \leq 500.000$.

10	$[(0, 1), (-6, 5), (6, -5), (6, 65), (-6, -65), (0, -1)]$
16	$[(0, 1), (-4, 1), (-4, -65), (4, -1), (0, -1), (4, 65)]$
20	$[(56, -1105), (0, 1), (56, 2225), (0, -1), (-56, 1105), (-56, -2225)]$
24	$[(0, 1), (-12, -305), (12, 305), (-12, 17), (12, -17), (0, -1)]$
25	$[(0, 1), (0, -1), (-8, 5), (8, 205), (-8, -205), (8, -5)]$
38	$[(0, 1), (-22, 65), (22, 901), (-22, -901), (22, -65), (0, -1)]$
54	$[(0, 1), (6, -1), (-6, 1), (6, 325), (-6, -325), (0, -1)]$
63	$[(0, 1), (-24, 53), (-24, -1565), (24, 1565), (24, -53), (0, -1)]$
86	$[(0, 1), (-12, 5), (12, 1037), (-12, -1037), (12, -5), (0, -1)]$
88	$[(0, 1), (496, -103105), (0, -1), (-496, -146753), (496, 146753), (-496, 103105)]$
112	$[(0, 1), (-312, 34241), (312, 69185), (-312, -69185), (0, -1), (312, -34241)]$
124	$[(0, 1), (0, -1), (-32, -4033), (-32, 65), (32, -65), (32, 4033)]$
128	$[(0, 1), (8, -1), (8, 1025), (-8, 1), (0, -1), (-8, -1025)]$
133	$[(0, 1), (0, -1), (88, 12869), (88, -1165), (-88, 1165), (-88, -12869)]$
142	$[(0, 1), (82, 12545), (-82, 901), (82, -901), (-82, -12545), (0, -1)]$
154	$[(0, 1), (318, -31693), (-318, 31693), (-318, -80665), (318, 80665), (0, -1)]$
250	$[(0, 1), (156, 42485), (-10, 1), (-156, 3485), (10, -1), (-10, -2501), (0, -1), (10, 2501), (156, -3485), (-156, -42485)]$
349	$[(0, 1), (56, 19669), (56, -125), (-56, 125), (-56, -19669), (0, -1)]$
380	$[(0, 1), (-92, 505), (92, -505), (92, 35465), (-92, -35465), (0, -1)]$
387	$[(0, 1), (-192, 4321), (-192, -78625), (192, 78625), (192, -4321), (0, -1)]$
389	$[(0, 1), (2192, -2013625), (-2192, -2866313), (0, -1), (2192, 2866313), (-2192, 2013625)]$
424	$[(0, 1), (-48, -20417), (-48, 65), (48, -65), (48, 20417), (0, -1)]$
432	$[(0, 1), (-12, -5185), (12, 5185), (0, -1), (-12, 1), (12, -1)]$
515	$[(0, 1), (-56, 85), (-56, -28925), (56, 28925), (56, -85), (0, -1)]$

530	$[(0, 1), (306, -12545), (306, 174725), (-306, 12545), (-306, -174725), (0, -1)]$
551	$[(0, 1), (40, -29), (-40, -22069), (40, 22069), (-40, 29), (0, -1)]$
556	$[(0, 1), (-84, 265), (0, -1), (84, -265), (84, 46969), (-84, -46969)]$
569	$[(0, 1), (184, 107365), (-184, 2669), (184, -2669), (-184, -107365), (0, -1)]$
638	$[(0, 1), (42, -29), (-42, 29), (0, -1), (42, 26825), (-42, -26825)]$
682	$[(0, 1), (-10604, -59954533), (10604, -52722605), (-10604, 52722605), (10604, 59954533), (0, -1)]$
686	$[(0, 1), (14, -1), (-14, 1), (14, 9605), (-14, -9605), (0, -1)]$
691	$[(0, 1), (112, 77897), (-112, 505), (-24, -16589), (24, 16589), (112, -505), (-112, -77897), (-24, 5), (0, -1), (24, -5)]$
705	$[(0, 1), (192, -2465), (-192, 2465), (0, -1), (-192, -137825), (192, 137825)]$
826	$[(0, 1), (-490, 32929), (-490, -437669), (490, 437669), (490, -32929), (0, -1)]$
834	$[(0, 1), (1722, 2365453), (-1722, 929305), (1722, -929305), (-1722, -2365453), (0, -1)]$
907	$[(-600, -598349), (0, 1), (-600, 54149), (0, -1), (600, -54149), (600, 598349)]$
922	$[(0, 1), (2568, 4687241), (-2568, -4687241), (0, -1), (-2568, 2319545), (2568, -2319545)]$
966	$[(0, 1), (-108, 325), (108, -325), (-108, -104653), (108, 104653), (0, -1)]$
976	$[(0, 1), (252, -4033), (-252, -249985), (252, 249985), (-252, 4033), (0, -1)]$
1024	$[(0, 1), (-16, -16385), (-16, 1), (16, 16385), (16, -1), (0, -1)]$
1199	$[(0, 1), (-1760, 818929), (1760, 2929169), (0, -1), (-1760, -2929169), (1760, -818929)]$
1458	$[(18, -1), (0, 1), (18, 26245), (-18, 1), (-18, -26245), (0, -1)]$
1626	$[(-48, -78065), (-48, 17), (0, 1), (48, 78065), (48, -17), (0, -1)]$
1861	$[(0, 1), (-3080, -8407741), (3080, -2675861), (3080, 8407741), (-3080, 2675861), (0, -1)]$
1922	$[(0, 1), (-156, 493), (156, 300325), (-156, -300325), (0, -1), (156, -493)]$
1978	$[(0, 1), (-1142, 174725), (1142, -174725), (0, -1), (-1142, -2433601), (1142, 2433601)]$
2000	$[(0, 1), (-20, -40001), (-20, 1), (20, -1), (20, 40001), (0, -1)]$
2621	$[(0, 1), (208, 546025), (-208, 857), (208, -857), (-208, -546025), (0, -1)]$
2662	$[(0, 1), (-22, -58565), (22, -1), (22, 58565), (0, -1), (-22, 1)]$
2837	$[(0, 1), (7216, 38211097), (-7216, -38211097), (-7216, 17739305), (0, -1), (7216, -17739305)]$
2990	$[(0, 1), (97244, 4875812045), (-97244, -4875812045), (97244, -4585052485), (-97244, 4585052485), (0, -1)]$
3225	$[(0, 1), (-1008, 77545), (-1008, -3328345), (0, -1), (1008, 3328345), (1008, -77545)]$

3336	$[(0, 1), (-828, -2804113), (828, -41905), (-828, 41905), (828, 2804113), (0, -1)]$
3346	$[(0, 1), (-16478, 110965205), (-16478, -166100593), (16478, 166100593), (16478, -110965205), (0, -1)]$
3377	$[(0, 1), (56, 189125), (56, -13), (-56, 13), (-56, -189125), (0, -1)]$
3456	$[(0, 1), (24, -1), (-24, 1), (-24, -82945), (24, 82945), (0, -1)]$
3748	$[(0, 1), (-1176, 105937), (1176, -105937), (1176, 4513585), (0, -1), (-1176, -4513585)]$
4088	$[(0, 1), (256, 1047553), (256, -1025), (-256, 1025), (-256, -1047553), (0, -1)]$
4282	$[(0, 1), (14990, 148937641), (14990, -84750461), (0, -1), (-14990, 84750461), (-14990, -148937641)]$
4394	$[(0, 1), (26, 114245), (-26, 1), (26, -1), (-26, -114245), (0, -1)]$
4534	$[(0, 1), (-4218, 3498053), (4218, -3498053), (-4218, -22622465), (0, -1), (4218, 22622465)]$
4736	$[(0, 1), (292, 1384225), (-292, -1384225), (-292, 1313), (292, -1313), (0, -1)]$
5119	$[(0, 1), (11784, -45538285), (-11784, 45538285), (0, -1), (-11784, -105860581), (11784, 105860581)]$
5150	$[(0, 1), (-14344, 72369065), (-14344, -146240665), (14344, 146240665), (14344, -72369065), (0, -1)]$
5488	$[(0, 1), (28, 153665), (-28, 1), (0, -1), (-28, -153665), (28, -1)]$
5654	$[(0, 1), (-176, -995345), (176, -241), (-176, 241), (176, 995345), (0, -1)]$
6102	$[(0, 1), (-1980, 310069), (-1980, -12392029), (1980, 12392029), (1980, -310069), (0, -1)]$
6146	$[(0, 1), (234, 1438685), (234, -521), (-234, 521), (-234, -1438685), (0, -1)]$
6167	$[(0, 1), (-3776, 2009185), (3776, 25295777), (-3776, -25295777), (3776, -2009185), (0, -1)]$
6216	$[(0, 1), (-3084, -20285009), (3084, -1114865), (-3084, 1114865), (3084, 20285009), (0, -1)]$
6358	$[(0, 1), (252, 1602845), (252, -629), (-252, -1602845), (-252, 629), (0, -1)]$
6366	$[(0, 1), (-1122, 55045), (-1122, -7197697), (0, -1), (1122, 7197697), (1122, -55045)]$
6657	$[(0, 1), (1680, 11359081), (1680, -175321), (-1680, -11359081), (0, -1), (-1680, 175321)]$
6750	$[(-30, -202501), (0, 1), (-2142, 355265), (30, -1), (2142, 14813765), (-30, 1), (-2142, -14813765), (30, 202501), (2142, -355265), (0, -1)]$
6843	$[(0, 1), (336, 2300633), (336, -1385), (-336, 1385), (-336, -2300633), (0, -1)]$
7359	$[(1296, -73385), (0, 1), (-1296, -9610649), (-1296, 73385), (1296, 9610649), (0, -1)]$
7382	$[(0, 1), (4262, 33895685), (4262, -2433601), (-4262, 2433601), (-4262, -33895685), (0, -1)]$
7477	$[(0, 1), (1232, 9273769), (-1232, 62105), (-1232, -9273769), (1232, -62105), (0, -1)]$
7684	$[(0, 1), (1984, 15495041), (-1984, -15495041), (0, -1), (-1984, 249985), (1984, -249985)]$
8120	$[(0, 1), (-2944, -24666625), (2944, -761345), (2944, 24666625), (0, -1), (-2944, 761345)]$

8153	$[(0, 1), (1320, -70069), (-1320, 70069), (1320, 10832029), (0, -1), (-1320, -10832029)]$
8186	$[(0, 1), (1140, -45029), (0, -1), (-1140, 45029), (-1140, -9377069), (1140, 9377069)]$
8192	$[(0, 1), (32, -1), (32, 262145), (-32, 1), (0, -1), (-32, -262145)]$
8646	$[(0, 1), (420, 3633461), (-420, 2141), (420, -2141), (-420, -3633461), (0, -1)]$
9006	$[(0, 1), (4914, -3079621), (4914, 47335105), (-4914, -47335105), (-4914, 3079621), (0, -1)]$
9268	$[(0, 1), (16856, -84009617), (-16856, 84009617), (0, -1), (16856, 240231025), (-16856, -240231025)]$
9799	$[(0, 1), (-11872, -149543633), (-11872, 33209905), (11872, 149543633), (11872, -33209905), (0, -1)]$
9812	$[(0, 1), (-1968, 192289), (-1968, -19502305), (1968, 19502305), (1968, -192289), (0, -1)]$
9826	$[(34, -1), (0, 1), (34, 334085), (-34, -334085), (0, -1), (-34, 1)]$
10957	$[(0, 1), (1776, -126985), (1776, 19586617), (-1776, -19586617), (-1776, 126985), (0, -1)]$
11086	$[(0, 1), (-11472, 27918545), (11472, 155097137), (-11472, -155097137), (11472, -27918545), (0, -1)]$
11398	$[(0, 1), (84, -13), (-84, -957445), (84, 957445), (-84, 13), (0, -1)]$
11664	$[(0, 1), (36, -1), (-36, 1), (0, -1), (-36, -419905), (36, 419905)]$
11970	$[(0, 1), (606, -4645), (-606, -7258465), (606, 7258465), (-606, 4645), (0, -1)]$
12490	$[(0, 1), (-500, -6247501), (500, -2501), (-500, 2501), (500, 6247501), (0, -1)]$
12661	$[(0, 1), (-1176, 32045), (1176, 14921381), (1176, -32045), (-1176, -14921381), (0, -1)]$
12730	$[(0, 1), (-7944, -110164745), (7944, -9037625), (-7944, 9037625), (7944, 110164745), (0, -1)]$
12912	$[(0, 1), (6132, 83413889), (6132, -4237505), (-6132, 4237505), (0, -1), (-6132, -83413889)]$
13518	$[(0, 1), (-3150, 570401), (3150, -570401), (0, -1), (3150, 43152101), (-3150, -43152101)]$
13718	$[(0, 1), (-38, 1), (38, -1), (7964, -8538133), (38, 521285), (7964, 117788285), (-38, -521285), (0, -1), (-7964, -117788285), (-7964, 8538133)]$
14149	$[(0, 1), (79728, -2663901833), (-79728, -3791973305), (79728, 3791973305), (-79728, 2663901833), (0, -1)]$
14812	$[(0, 1), (1452, 21558569), (1452, -51545), (-1452, -21558569), (-1452, 51545), (0, -1)]$
16000	$[(0, 1), (40, -1), (-40, 1), (-40, -640001), (40, 640001), (0, -1)]$
16804	$[(0, 1), (756, -6425), (756, 12710249), (-756, 6425), (-756, -12710249), (0, -1)]$
16922	$[(0, 1), (-216092, 21591000925), (-216092, -25247709749), (216092, 25247709749), (216092, -21591000925), (0, -1)]$
17334	$[(0, 1), (-1938, 104653), (1938, -104653), (1938, 33697945), (-1938, -33697945), (0, -1)]$
18522	$[(0, 1), (42, 777925), (-42, 1), (-42, -777925), (42, -1), (0, -1)]$

18764	$[(0, 1), (-1140, -21410681), (1140, 21410681), (1140, -19721), (0, -1), (-1140, 19721)]$
18844	$[(0, 1), (620, 11686441), (-620, 3161), (620, -3161), (0, -1), (-620, -11686441)]$
18889	$[(0, 1), (-149296, -12643518329), (-149296, 9823466185), (149296, -9823466185), (149296, 12643518329), (0, -1)]$
19150	$[(0, 1), (-5258, -102553945), (5258, -1863245), (-5258, 1863245), (5258, 102553945), (0, -1)]$
19226	$[(0, 1), (94682, 5483994965), (-94682, 3663638833), (94682, -3663638833), (-94682, -5483994965), (0, -1)]$
19309	$[(0, 1), (-624, 3145), (624, -3145), (624, 12051961), (-624, -12051961), (0, -1)]$
19924	$[(0, 1), (-4216, -84929585), (-904, 9265), (-4216, 930001), (-904, -18020561), (904, 18020561), (4216, -930001), (904, -9265), (4216, 84929585), (0, -1)]$
19942	$[(0, 1), (-238, 169), (238, -169), (-238, -4746365), (238, 4746365), (0, -1)]$
20414	$[(0, 1), (-8732, 7811365), (8732, 186066413), (8732, -7811365), (-8732, -186066413), (0, -1)]$
20449	$[(0, 1), (240, -169), (240, 4907929), (-240, -4907929), (-240, 169), (0, -1)]$
20658	$[(0, 1), (1386, -32185), (-1386, 32185), (-1386, -28664173), (1386, 28664173), (0, -1)]$
20968	$[(0, 1), (-176, 65), (176, -65), (176, 3690433), (0, -1), (-176, -3690433)]$
21296	$[(0, 1), (44, 937025), (-44, 1), (-44, -937025), (0, -1), (44, -1)]$
21791	$[(0, 1), (-1432, 33653), (1432, 31238365), (-1432, -31238365), (1432, -33653), (0, -1)]$
22186	$[(0, 1), (6090, -2498929), (-6090, -137611669), (6090, 137611669), (-6090, 2498929), (0, -1)]$
22747	$[(0, 1), (744, 16928293), (744, -4525), (-744, 4525), (-744, -16928293), (0, -1)]$
23168	$[(0, 1), (-2096896, 2174330159105), (-2096896, -2222911045633), (0, -1), (2096896, -2174330159105), (2096896, 2222911045633)]$
23494	$[(0, 1), (-2040, -48017929), (-2040, 90169), (2040, -90169), (2040, 48017929), (0, -1)]$
23644	$[(0, 1), (5724, 137293001), (5724, -1954745), (-5724, 1954745), (-5724, -137293001), (0, -1)]$
24278	$[(0, 1), (84990, -2724422441), (-84990, -4787809661), (84990, 4787809661), (-84990, 2724422441), (0, -1)]$
24334	$[(0, 1), (46, -1), (46, 1119365), (-46, -1119365), (-46, 1), (0, -1)]$
27550	$[(0, 1), (15906, -33895685), (-15906, 33895685), (0, -1), (-15906, -472105985), (15906, 472105985)]$
27648	$[(0, 1), (-48, 1), (-48, -1327105), (48, -1), (48, 1327105), (0, -1)]$
27673	$[(0, 1), (-728, 3485), (728, -3485), (0, -1), (-728, -20149429), (728, 20149429)]$
30196	$[(0, 1), (-57900, 1016287049), (-57900, -2764635449), (0, -1), (57900, 2764635449), (57900, -1016287049)]$
30666	$[(0, 1), (-3360, -103346081), (-3360, 308321), (0, -1), (3360, -308321), (3360, 103346081)]$
31092	$[(0, 1), (864, -5185), (-864, -26868673), (-864, 5185), (864, 26868673), (0, -1)]$

31250	$[(0, 1), (50, 1562501), (-50, -1562501), (0, -1), (-50, 1), (50, -1)]$
34998	$[(0, 1), (558, -1241), (-558, -19530125), (558, 19530125), (-558, 1241), (0, -1)]$
35152	$[(0, 1), (52, -1), (-52, 1), (52, 1827905), (-52, -1827905), (0, -1)]$
36827	$[(0, 1), (-48360, -2360278309), (48360, -579324589), (-48360, 579324589), (48360, 2360278309), (0, -1)]$
37476	$[(0, 1), (-1140, -42732521), (-1140, 9881), (1140, -9881), (1140, 42732521), (0, -1)]$
37964	$[(0, 1), (156, -25), (156, 5922409), (-156, 25), (-156, -5922409), (0, -1)]$
38918	$[(0, 1), (904, -4745), (-904, -35186617), (904, 35186617), (-904, 4745), (0, -1)]$
39366	$[(0, 1), (-54, 1), (54, 2125765), (-54, -2125765), (54, -1), (0, -1)]$
40934	$[(6806, -1912321), (0, 1), (-6806, 1912321), (6806, 280509125), (-6806, -280509125), (0, -1)]$
42392	$[(0, 1), (-118072, -9908808865), (118072, 9908808865), (0, -1), (-118072, 4903500641), (118072, -4903500641)]$
42824	$[(0, 1), (-30400, -1449186049), (30400, -147336449), (30400, 1449186049), (-30400, 147336449), (0, -1)]$
43144	$[(0, 1), (67436, -1244610545), (-67436, -4154069329), (67436, 4154069329), (-67436, 1244610545), (0, -1)]$
43769	$[(0, 1), (-1032, -45175885), (1032, 45175885), (1032, -6277), (0, -1), (-1032, 6277)]$
43904	$[(56, -1), (0, 1), (-56, -2458625), (-56, 1), (56, 2458625), (0, -1)]$
43990	$[(0, 1), (-2744, -120825865), (2744, 120825865), (2744, -117305), (-2744, 117305), (0, -1)]$
44266	$[(-36876, -1878454661), (0, 1), (-36876, 246101645), (0, -1), (36876, -246101645), (36876, 1878454661)]$
48578	$[(0, 1), (-4026, 335257), (4026, -335257), (4026, 195910285), (0, -1), (-4026, -195910285)]$
48778	$[(0, 1), (-58, -2829125), (-58, 1), (58, -1), (58, 2829125), (0, -1)]$
50510	$[(0, 1), (-4556, -230590685), (4556, -467125), (-258, 85), (-4556, 467125), (258, 13031665), (4556, 230590685), (-258, -13031665), (258, -85), (0, -1)]$
51248	$[(0, 1), (1204, 61711105), (-1204, -61711105), (1204, -8513), (0, -1), (-1204, 8513)]$
52362	$[(0, 1), (-108114, 3663154585), (108114, -3663154585), (-108114, -9324219853), (0, -1), (108114, 9324219853)]$
54000	$[(0, 1), (60, -1), (60, 3240001), (-60, -3240001), (0, -1), (-60, 1)]$
54681	$[(0, 1), (10848, 598959665), (-10848, 5780177), (10848, -5780177), (-10848, -598959665), (0, -1)]$
57242	$[(0, 1), (-30494, -1861655225), (30494, 1861655225), (30494, -116117677), (-30494, 116117677), (0, -1)]$
59582	$[(0, 1), (62, -1), (-62, -3694085), (62, 3694085), (-62, 1), (0, -1)]$
60438	$[(0, 1), (-234, -14142545), (-234, 53), (234, 14142545), (234, -53), (0, -1)]$
60496	$[(0, 1), (15620, 960442561), (-15620, 15495041), (15620, -15495041), (-15620, -960442561), (0, -1)]$

61028	$[(-552, -33688145), (-552, 689), (0, 1), (552, 33688145), (0, -1), (552, -689)]$
61378	$[(0, 1), (-1302, -79923145), (-1302, 8989), (1302, -8989), (1302, 79923145), (0, -1)]$
65536	$[(0, 1), (-64, 1), (-64, -4194305), (64, -1), (64, 4194305), (0, -1)]$
66472	$[(0, 1), (71988, -1134230929), (71988, 5919417265), (-71988, -5919417265), (-71988, 1134230929), (0, -1)]$
66602	$[(0, 1), (31890, 2239396589), (31890, -115458809), (-31890, 115458809), (-31890, -2239396589), (0, -1)]$
67214	$[(0, 1), (-1372, -92227213), (1372, -9605), (-1372, 9605), (1372, 92227213), (0, -1)]$
69424	$[(0, 1), (-23068, 43046785), (23068, -43046785), (23068, 1644519617), (-23068, -1644519617), (0, -1)]$
70409	$[(0, 1), (-5320, 533861), (5320, -533861), (5320, 375109741), (0, -1), (-5320, -375109741)]$
70768	$[(0, 1), (-264, 65), (264, 18682817), (-264, -18682817), (264, -65), (0, -1)]$
71874	$[(0, 1), (-66, 1), (-66, -4743685), (66, 4743685), (0, -1), (66, -1)]$
76242	$[(0, 1), (6804, -1030805), (6804, 519781373), (-6804, 1030805), (0, -1), (-6804, -519781373)]$
76968	$[(0, 1), (-99216, 2411060417), (99216, 10047517505), (-99216, -10047517505), (99216, -2411060417), (0, -1)]$
78226	$[(0, 1), (2856, 223487881), (-2856, -223487881), (-2856, 74425), (0, -1), (2856, -74425)]$
78353	$[(0, 1), (11736, 924679765), (11736, -5128957), (-11736, 5128957), (-11736, -924679765), (0, -1)]$
78608	$[(0, 1), (68, -1), (-68, -5345345), (-68, 1), (0, -1), (68, 5345345)]$
79287	$[(0, 1), (-3480, -276051581), (-3480, 132821), (3480, -132821), (3480, 276051581), (0, -1)]$
79770	$[(0, 1), (660, -901), (-660, 901), (660, 52649101), (-660, -52649101), (0, -1)]$
81569	$[(0, 1), (-459632, -126027130073), (459632, -88535407465), (-459632, 88535407465), (459632, 126027130073), (0, -1)]$
85602	$[(0, 1), (-23562, 37505161), (-23562, -2054459485), (0, -1), (23562, 2054459485), (23562, -37505161)]$
85750	$[(0, 1), (-70, -6002501), (-70, 1), (70, 6002501), (70, -1), (0, -1)]$
86726	$[(-11270, -981511061), (0, 1), (11270, -4109041), (0, -1), (-11270, 4109041), (11270, 981511061)]$
89989	$[(208, -25), (0, 1), (208, 18717737), (0, -1), (-208, -18717737), (-208, 25)]$
90054	$[(0, 1), (1596, -11285), (-1596, -143737469), (1596, 143737469), (-1596, 11285), (0, -1)]$
92743	$[(0, 1), (-10808, 3391781), (10808, 1005758125), (-10808, -1005758125), (10808, -3391781), (0, -1)]$
93312	$[(0, 1), (-72, -6718465), (0, -1), (72, -1), (72, 6718465), (-72, 1)]$
99843	$[(-49536, -5233453633), (49536, -287630785), (0, 1), (49536, 5233453633), (-49536, 287630785), (0, -1)]$
101306	$[(0, 1), (74, -1), (-74, 1), (74, 7496645), (-74, -7496645), (0, -1)]$

101572	$[(0, 1), (19248296, 186228572612305), (-19248296, 184273484690993), (-19248296, -186228572612305), (19248296, -184273484690993), (0, -1)]$
101650	$[(0, 1), (252456, 47184288905), (252456, -21522136505), (0, -1), (-252456, 21522136505), (-252456, -47184288905)]$
102818	$[(0, 1), (-59362, 472105985), (59362, -472105985), (-59362, -6575588101), (0, -1), (59362, 6575588101)]$
103161	$[(0, 1), (-1824, 14705), (-1824, -188180369), (0, -1), (1824, 188180369), (1824, -14705)]$
106675	$[(0, 1), (-1421608, 937500531565), (1421608, 1089150564965), (-1421608, -1089150564965), (1421608, -937500531565), (0, -1)]$
108281	$[(0, 1), (-35016, -3888229165), (35016, 3888229165), (-35016, 96661669), (35016, -96661669), (0, -1)]$
109744	$[(0, 1), (-76, 1), (76, 8340545), (76, -1), (-76, -8340545), (0, -1)]$
112182	$[(0, 1), (-6864, 720017), (-6864, -770737265), (6864, 770737265), (6864, -720017), (0, -1)]$
112187	$[(0, 1), (32048, -71911705), (32048, 3667280681), (-32048, -3667280681), (-32048, 71911705), (0, -1)]$
114217	$[(0, 1), (-1144, 3277), (1144, 130667525), (-1144, -130667525), (1144, -3277), (0, -1)]$
114702	$[(0, 1), (43890, 5212253089), (43890, -177982309), (-43890, 177982309), (-43890, -5212253089), (0, -1)]$
116118	$[(0, 1), (-2328, -270349865), (2328, 270349865), (2328, -27161), (0, -1), (-2328, 27161)]$
118638	$[(0, 1), (78, -1), (-78, -9253765), (-78, 1), (78, 9253765), (0, -1)]$
128000	$[(0, 1), (80, 10240001), (-80, 1), (80, -1), (0, -1), (-80, -10240001)]$
130664	$[(1940, -13969), (0, 1), (1940, 253502129), (0, -1), (-1940, -253502129), (-1940, 13969)]$
130688	$[(0, 1), (8184, 1070598145), (8184, -1047553), (-8184, 1047553), (-8184, -1070598145), (0, -1)]$
131056	$[(0, 1), (-2048, -268419073), (-2048, 16385), (2048, -16385), (2048, 268419073), (0, -1)]$
131121	$[(0, 1), (434496, 127083700385), (-434496, -127083700385), (-434496, 70112150369), (0, -1), (434496, -70112150369)]$
132250	$[(0, 1), (47544, 6484679545), (-47544, 196985545), (-47544, -6484679545), (47544, -196985545), (0, -1)]$
137455	$[(0, 1), (2856, 392613845), (-2856, 42365), (2856, -42365), (0, -1), (-2856, -392613845)]$
137842	$[(0, 1), (82, 11303045), (-82, 1), (-82, -11303045), (0, -1), (82, -1)]$
140688	$[(0, 1), (0, -1), (135780, 22825378369), (-135780, 3722761729), (135780, -3722761729), (-135780, -22825378369)]$
142438	$[(0, 1), (-19914, 13793765), (19914, 2850304097), (-19914, -2850304097), (19914, -13793765), (0, -1)]$
148176	$[(0, 1), (84, -1), (-84, -12446785), (-84, 1), (84, 12446785), (0, -1)]$
153538	$[(1700996, -1321991457797), (0, 1), (1700996, 1583158981645), (0, -1), (-1700996, -1583158981645), (-1700996, 1321991457797)]$
157785	$[(0, 1), (-34320, -5478490601), (34320, -63309401), (-34320, 63309401), (34320, 5478490601), (0, -1)]$
159014	$[(0, 1), (-86, -13675205), (-86, 1), (86, -1), (86, 13675205), (0, -1)]$

165806	$[(0, 1), (-5700, -945373349), (-5700, 279149), (5700, -279149), (5700, 945373349), (0, -1)]$
169207	$[(0, 1), (2336, 395286385), (2336, -18833), (-2336, 18833), (-2336, -395286385), (0, -1)]$
170368	$[(0, 1), (-88, -14992385), (88, 14992385), (0, -1), (-88, 1), (88, -1)]$
176641	$[(0, 1), (11608, 2052660053), (11608, -2211325), (-11608, 2211325), (-11608, -2052660053), (0, -1)]$
182250	$[(0, 1), (90, -1), (-90, 1), (-90, -16402501), (90, 16402501), (0, -1)]$
184858	$[(0, 1), (-97934, -19295710345), (-97934, 1191826973), (97934, -1191826973), (97934, 19295710345), (0, -1)]$
189329	$[(0, 1), (24024, 4566675541), (24024, -18235645), (-24024, 18235645), (-24024, -4566675541), (0, -1)]$
190666	$[(0, 1), (2628, 501094045), (2628, -23797), (-2628, 23797), (-2628, -501094045), (0, -1)]$
194672	$[(0, 1), (-92, 1), (92, 17909825), (-92, -17909825), (92, -1), (0, -1)]$
194791	$[(0, 1), (-34080, 50417809), (-34080, -6688895089), (34080, 6688895089), (34080, -50417809), (0, -1)]$
197111	$[(3352, -47765), (0, 1), (3352, 660763837), (-3352, 47765), (-3352, -660763837), (0, -1)]$
203257	$[(0, 1), (-7464, 511285), (-7464, -1517621533), (7464, 1517621533), (7464, -511285), (0, -1)]$
203942	$[(0, 1), (966, -1105), (-966, -197009077), (966, 197009077), (-966, 1105), (0, -1)]$
207646	$[(94, -1), (0, 1), (94, 19518725), (-94, 1), (-94, -19518725), (0, -1)]$
208257	$[(0, 1), (6072, 1264805189), (-6072, -1264805189), (-6072, 268685), (0, -1), (6072, -268685)]$
208304	$[(0, 1), (-25440, 19687169), (25440, -19687169), (-25440, -5318940929), (25440, 5318940929), (0, -1)]$
217781	$[(0, 1), (384, 83627969), (-384, 65), (-384, -83627969), (384, -65), (0, -1)]$
221184	$[(0, 1), (-96, 1), (96, -1), (96, 21233665), (-96, -21233665), (0, -1)]$
221272	$[(0, 1), (1672, -5281), (-1672, -369972065), (1672, 369972065), (-1672, 5281), (0, -1)]$
222316	$[(0, 1), (19564, -8404345), (-19564, 8404345), (0, -1), (19564, 4357794569), (-19564, -4357794569)]$
231299	$[(0, 1), (336, -41), (336, 77716505), (-336, -77716505), (-336, 41), (0, -1)]$
235298	$[(0, 1), (98, -1), (98, 23059205), (-98, -23059205), (0, -1), (-98, 1)]$
236178	$[(-2916, -688721293), (2916, -26245), (0, 1), (0, -1), (-2916, 26245), (2916, 688721293)]$
236788	$[(0, 1), (23212, 5509495865), (-23212, -5509495865), (-23212, 13172809), (659512, -152988152785), (-659512, 152988152785), (23212, -13172809), (659512, 309152680241), (0, -1), (-659512, -309152680241)]$
238628	$[(0, 1), (4296, -83057), (-4296, -1025228945), (4296, 1025228945), (-4296, 83057), (0, -1)]$
238786	$[(0, 1), (562054, -104510734285), (-562054, -238721360729), (562054, 238721360729), (0, -1), (-562054, 104510734285)]$
250000	$[(0, 1), (100, -1), (100, 25000001), (-100, 1), (-100, -25000001), (0, -1)]$

254338	$[(0, 1), (3556, 904470125), (3556, -44197), (-3556, 44197), (-3556, -904470125), (0, -1)]$
263076	$[(0, 1), (-5256, 137969), (-5256, -1382865425), (5256, 1382865425), (5256, -137969), (0, -1)]$
265302	$[(0, 1), (102, 27060805), (-102, 1), (102, -1), (-102, -27060805), (0, -1)]$
268684	$[(0, 1), (-16324, -4390041305), (16324, 4390041305), (-16324, 4043689), (16324, -4043689), (0, -1)]$
269244	$[(0, 1), (11916, 3209881769), (11916, -1570265), (-11916, 1570265), (-11916, -3209881769), (0, -1)]$
273730	$[(0, 1), (-80592, 468137905), (-80592, -22528586065), (80592, 22528586065), (80592, -468137905), (0, -1)]$
279222	$[(0, 1), (-12474, -3484752193), (12474, -1736965), (-12474, 1736965), (12474, 3484752193), (0, -1)]$
281216	$[(0, 1), (-104, 1), (104, -1), (104, 29246465), (0, -1), (-104, -29246465)]$
282766	$[(0, 1), (-129822, 1842020753), (-129822, -38551268405), (0, -1), (129822, 38551268405), (129822, -1842020753)]$
283164	$[(0, 1), (326172, 116623047113), (326172, -24262878905), (-326172, 24262878905), (0, -1), (-326172, -116623047113)]$
283558	$[(-585474, -273441143065), (0, 1), (585474, 273441143065), (-585474, 107425306573), (585474, -107425306573), (0, -1)]$
288128	$[(0, 1), (-7728, 400385), (-7728, -2227053569), (7728, 2227053569), (7728, -400385), (0, -1)]$
296288	$[(0, 1), (3276, 970669153), (3276, -29665), (-3276, -970669153), (0, -1), (-3276, 29665)]$
297754	$[(-106, -31561925), (0, 1), (106, -1), (-106, 1), (0, -1), (106, 31561925)]$
298232	$[(0, 1), (660, -241), (660, 196833361), (-660, 241), (-660, -196833361), (0, -1)]$
310529	$[(0, 1), (33400, 10401579301), (-33400, 29910701), (33400, -29910701), (-33400, -10401579301), (0, -1)]$
310578	$[(0, 1), (-52338, 114596065), (52338, -114596065), (-52338, -16369627429), (0, -1), (52338, 16369627429)]$
310612	$[(0, 1), (11004, 3419046553), (-11004, -3419046553), (-11004, 1072105), (11004, -1072105), (0, -1)]$
311046	$[(0, 1), (34776, -33697945), (34776, 10850633641), (-34776, -10850633641), (-34776, 33697945), (0, -1)]$
313625	$[(0, 1), (12944, -1728025), (-12944, -4061290025), (12944, 4061290025), (-12944, 1728025), (0, -1)]$
314928	$[(0, 1), (-108, 1), (-108, -34012225), (108, -1), (0, -1), (108, 34012225)]$
324490	$[(0, 1), (-202494, -71579469065), (-202494, 5872191005), (202494, -5872191005), (202494, 71579469065), (0, -1)]$
329591	$[(0, 1), (3640, 1199747821), (3640, -36581), (-3640, 36581), (-3640, -1199747821), (0, -1)]$
331574	$[(0, 1), (-5076, -1683168229), (-5076, 98605), (5076, -98605), (5076, 1683168229), (0, -1)]$
332278	$[(0, 1), (47614, 15901888157), (-47614, 80803465), (47614, -80803465), (0, -1), (-47614, -15901888157)]$
332558	$[(0, 1), (3228, 1073522509), (-3228, -1073522509), (-3228, 25285), (0, -1), (3228, -25285)]$
332750	$[(0, 1), (110, -1), (110, 36602501), (0, -1), (-110, -36602501), (-110, 1)]$
338434	$[(0, 1), (-2516, -851511709), (2516, 851511709), (2516, -11765), (-2516, 11765), (0, -1)]$

347482	$[(0, 1), (558, -125), (558, 193895081), (-558, -193895081), (-558, 125), (0, -1)]$
347966	$[(0, 1), (-4068, -1415574053), (-4068, 48365), (4068, -48365), (4068, 1415574053), (0, -1)]$
351232	$[(0, 1), (112, -1), (-112, 1), (-112, -39337985), (112, 39337985), (0, -1)]$
363071	$[(0, 1), (1632, -2993), (1632, 592534865), (-1632, 2993), (-1632, -592534865), (0, -1)]$
366748	$[(-124684, -47012796137), (0, 1), (-124684, 1285188505), (124684, -1285188505), (124684, 47012796137), (0, -1)]$
370386	$[(0, 1), (-114, 1), (114, -1), (-114, -42224005), (114, 42224005), (0, -1)]$
383722	$[(0, 1), (-221542, 6575588101), (221542, 91586127425), (-221542, -91586127425), (221542, -6575588101), (0, -1)]$
385670	$[(0, 1), (23456, 9054633185), (23456, -8357665), (-23456, 8357665), (-23456, -9054633185), (0, -1)]$
390224	$[(0, 1), (116, -1), (-116, 1), (0, -1), (-116, -45265985), (116, 45265985)]$
390290	$[(0, 1), (-1140, 949), (-1140, -444931549), (1140, 444931549), (1140, -949), (0, -1)]$
392016	$[(0, 1), (2892, 1133725697), (-2892, 15425), (2892, -15425), (-2892, -1133725697), (0, -1)]$
399773	$[(0, 1), (6984, -213013), (6984, 2792227645), (-6984, -2792227645), (0, -1), (-6984, 213013)]$
399980	$[(0, 1), (4000, -40001), (4000, 1599960001), (-4000, -1599960001), (-4000, 40001), (0, -1)]$
403076	$[(1584, -2465), (0, 1), (1584, 638474849), (-1584, 2465), (-1584, -638474849), (0, -1)]$
404449	$[(0, 1), (-30840, 18104621), (30840, 12491311781), (-30840, -12491311781), (30840, -18104621), (0, -1)]$
405974	$[(0, 1), (-210958, 5436284633), (-210958, -91079747725), (210958, 91079747725), (210958, -5436284633), (0, -1)]$
410758	$[(0, 1), (-118, 1), (118, 48469445), (-118, -48469445), (0, -1), (118, -1)]$
429956	$[(0, 1), (-150156, -66472392025), (-150156, 1911918889), (150156, 66472392025), (150156, -1911918889), (0, -1)]$
431174	$[(0, 1), (11946, -988261), (-11946, -5151792865), (11946, 5151792865), (-11946, 988261), (0, -1)]$
432000	$[(0, 1), (120, 51840001), (-120, 1), (-120, -51840001), (0, -1), (120, -1)]$
437006	$[(0, 1), (512582, -60632649673), (512582, 284634059165), (-512582, -284634059165), (-512582, 60632649673), (0, -1)]$
437722	$[(0, 1), (-70768, 201113809), (70768, -201113809), (0, -1), (70768, 31177824305), (-70768, -31177824305)]$
451756	$[(0, 1), (-420, -189737561), (420, -41), (-420, 41), (420, 189737561), (0, -1)]$
453962	$[(0, 1), (-122, -55383365), (122, 55383365), (-122, 1), (122, -1), (0, -1)]$
454295	$[(9944, -541045), (0, 1), (9944, 4518050525), (0, -1), (-9944, -4518050525), (-9944, 541045)]$
461648	$[(0, 1), (126224, 59340497537), (-126224, -59340497537), (0, -1), (126224, -1069440385), (-126224, 1069440385)]$
466211	$[(0, 1), (34048, -21137537), (34048, 15894689665), (-34048, -15894689665), (0, -1), (-34048, 21137537)]$
476284	$[(0, 1), (-122976, -59531943745), (122976, -960442561), (-122976, 960442561), (122976, 59531943745), (0, -1)]$

476656	$[(0, 1), (124, -1), (-124, 1), (-124, -59105345), (124, 59105345), (0, -1)]$
486563	$[(0, 1), (110376, 54387126053), (110376, -682248365), (-110376, -54387126053), (-110376, 682248365), (0, -1)]$
490389	$[(0, 1), (-4440, -2177371781), (4440, 2177371781), (-4440, 44621), (4440, -44621), (0, -1)]$
490894	$[(0, 1), (17974, -2956249), (-17974, 2956249), (17974, 8826285005), (0, -1), (-17974, -8826285005)]$
491582	$[(0, 1), (39984, 19687870033), (-39984, -19687870033), (0, -1), (-39984, 32455345), (39984, -32455345)]$
492676	$[(0, 1), (21228, 10463377945), (-21228, -10463377945), (-21228, 4851817), (21228, -4851817), (0, -1)]$