

Tables for OEIS A087048 (part 1) and for A003646 (part 2)

Part 1:

Positive discriminants A079896(n) of binary quadratic forms and class numbers A087048(n), $n \geq 0$.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24,
5 8, 12, 13, 17, 20, 21, 24, 28, 29, 32, 33, 37, 40, 41, 44, 45, 48, 52, 53, 56, 57, 60, 61, 65,
1, 1, 2, 1, 1, 1, 2, 2, 2, 1, 2, 2, 1, 2, 1, 2, 2, 2, 1, 1, 2, 2, 4, 1, 2,

25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46,
68, 69, 72, 73, 76, 77, 80, 84, 85, 88, 89, 92, 93, 96, 97, 101, 104, 105, 108, 109, 112, 113,
1, 2, 2, 1, 2, 2, 2, 2, 2, 2, 1, 2, 2, 4, 1, 1, 2, 4, 2, 1, 2, 1,

47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64,
116, 117, 120, 124, 125, 128, 129, 132, 133, 136, 137, 140, 141, 145, 148, 149, 152, 153,
1, 2, 4, 2, 1, 2, 2, 2, 2, 4, 1, 4, 2, 4, 3, 1, 2, 2,

65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82,
156, 157, 160, 161, 164, 165, 168, 172, 173, 176, 177, 180, 181, 184, 185, 188, 189, 192,
4, 1, 4, 2, 1, 4, 4, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 4,

83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100,
193, 197, 200, 201, 204, 205, 208, 209, 212, 213, 216, 217, 220, 221, 224, 228, 229, 232,
1, 1, 2, 2, 4, 4, 2, 2, 1, 2, 2, 2, 4, 4, 4, 2, 3, 2,

101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118,
233, 236, 237, 240, 241, 244, 245, 248, 249, 252, 253, 257, 260, 261, 264, 265, 268, 269,
1, 2, 2, 4, 1, 1, 2, 2, 2, 4, 2, 3, 2, 2, 4, 2, 2, 1,

119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, ...
272, 273, 276, 277, 280, 281, 284, 285, 288, 292, 293, 296, 297, 300, 301, 304, 305, ...
2, 4, 2, 1, 4, 1, 2, 4, 4, 1, 1, 2, 2, 4, 2, 2, 4, ...

Part 2:

Fundamental positive discriminants A003658(n) and class numbers A003646(n) of indefinite binary quadratic forms, $n \geq 2$.

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
5, 8, 12, 13, 17, 21, 24, 28, 29, 33, 37, 40, 41, 44, 53, 56, 57, 60, 61,
1, 1, 2, 1, 1, 2, 2, 2, 1, 2, 1, 2, 1, 2, 1, 2, 2, 4, 1,

21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38,
65, 69, 73, 76, 77, 85, 88, 89, 92, 93, 97, 101, 104, 105, 109, 113, 120,
2, 2, 1, 2, 2, 2, 2, 1, 2, 2, 1, 1, 2, 4, 1, 1, 4,

39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53,
124, 129, 133, 136, 137, 140, 141, 145, 149, 152, 156, 157, 161, 165, 168,
2, 2, 2, 4, 1, 4, 2, 4, 1, 2, 4, 1, 2, 4, 4,

54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68,
172, 173, 177, 181, 184, 185, 188, 193, 197, 201, 204, 205, 209, 213, 217,
2, 1, 2, 1, 2, 2, 2, 1, 1, 2, 4, 4, 2, 2, 2,

69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83,
220, 221, 229, 232, 233, 236, 237, 241, 248, 249, 253, 257, 264, 265, 268,
4, 4, 3, 2, 1, 2, 2, 1, 2, 2, 2, 3, 4, 2, 2,

84, 85, 86, 87, 88, 89, 90, 91, 92, ...
269, 273, 277, 280, 281, 284, 285, 293, 296, ...
1, 4, 1, 4, 1, 2, 4, 1, 2, ...

Compiled by W.Lang, Sep 24 2003
Second part checks with D. A. Buell: Binary Quadratic Forms, Springer, 1989,
pp. 236 and 241
