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THE ON-LINE ENCYCLOPEDIA OF INTEGER SEQUENCES[®]

founded in 1964 by N. J. A. Sloane

(Greetings from [The On-Line Encyclopedia of Integer Sequences!](#))

A060952 Rank of elliptic curve $y^2 = x^3 - n \cdot x$. 10

0, 1, 0, 0, 1, 1, 1, 0, 0, 1, 0, 1, 0, 1, 1, 0, 2, 0, 0, 1, 1, 1, 1,
0, 1, 1, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1,
1, 0, 1, 1, 0, 1, 1, 1, 1, 2, 1, 1, 0, 1, 0, 1, 0, 0, 2, 1, 0, 0, 1,
1, 1, 1, 1, 1, 0, 1, 2, 1, 1, 1, 0, 3, 0, 1, 1, 1, 1, 0, 1, 2, 0, 0

([list](#); [graph](#); [refs](#); [listen](#); [history](#); [text](#); [internal format](#))

OFFSET 1,17

LINKS Seiichi Manyama, [Table of n, a\(n\) for n = 1..1000](#)
H. Mishima, [Tables of Elliptic Curves](#)

PROG (PARI) {a(n) = ellanalyticrank(ellinit([0, 0, 0, -n, 0]))[1]} \\ [Seiichi Manyama](#), Sep 16 2018

CROSSREFS Cf. [A060748](#), [A060838](#), [A060950-A060953](#).
Sequence in context: [A184154](#) [A284441](#) [A257992](#) * [A297155](#)
[A037844](#) [A037880](#)
Adjacent sequences: [A060949](#) [A060950](#) [A060951](#) * [A060953](#)
[A060954](#) [A060955](#)

KEYWORD nonn,nice

AUTHOR [N. J. A. Sloane](#), May 10 2001

EXTENSIONS Corrected Apr 08 2005 at the suggestion of [James R. Buddenhagen](#). There were errors caused by the fact that Mishima lists each curve of rank two twice, once for each generator and each curve of rank three thrice.

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