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(Greetings from The On-Line Encyclopedia of Integer Sequences!)
A062695
            Squarefree n such that the elliptic curve n*y^2 = x^3 - x arising
            in the "congruent number" problem has rank 2.
   34, 41, 65, 137, 138, 145, 154, 161, 194, 210, 219, 226, 257, 265,
   291, 299, 313, 323, 330, 353, 371, 386, 395, 410, 426, 434, 442,
  457, 465, 505, 514, 546, 561, 602, 609, 651, 658, 674, 689, 721,
   723, 731, 761, 777, 793, 866, 889, 890, 905, 915, 985, 987, 995
  (<u>list</u>; <u>graph</u>; <u>refs</u>; <u>listen</u>; <u>history</u>; <u>text</u>; <u>internal format</u>)
  OFFSET
                1,1
  COMMENTS
                These n are precisely the primitive congruent numbers
                  (\underline{A006991}) with n==1, n==2, or n==3 (mod 8). - \underline{T. D.}
                  Noe, Aug 02 2006
               Jinyuan Wang, Table of n, a(n) for n = 1..453
  LINKS
                A. Dujella, A. S. Janfeda, S. Salami, <u>A Search for High</u>
                  Rank Congruent Number Elliptic Curves, JIS 12 (2009)
                  09.5.8
                N. D. Elkies, Algorithmic (a.k.a. Computational) Number
                  <u>Theory: Tables, Links, etc.</u>
               G. Kramarz, All congruent numbers less than 2000, Math.
                  Annalen, 273 (1986), 337-340.
                G. Kramarz, All congruent numbers less than 2000, Math.
                  Annalen, 273 (1986), 337-340. [Annotated, corrected,
                  scanned copy]
                Kazunari Noda and Hideo Wada, All congruent numbers less
                  than 10000, Proc. Japan Acad. Ser. A Math. Sci.,
                  Volume 69, Number 6 (1993), 175-178.
  PROG
                (PARI) r(n)=ellanalyticrank(ellinit([0, 0, 0, -n^2, 0]))
                for(n=1, 1e3, if(issquarefree(n)&&r(n)==2, print1(n",
                  "))) \\ Charles R Greathouse IV, Sep 01 2011;
                  corrected by Frank M Jackson, Aug 04 2016
  CROSSREFS
               Cf. A003273, A006991, A062693, A062694, A259680-A259687.
                Sequence in context: <u>A337695</u> <u>A045044</u> <u>A108303</u> * <u>A107730</u>
                  A320703 A095419
                Adjacent sequences: <u>A062692</u> <u>A062693</u> <u>A062694</u> * <u>A062696</u>
                  A062697 A062698
  KEYWORD
                nonn
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AUTHOR Noam D. Elkies, Jul 04 2001

EXTENSIONS More terms from Jinyuan Wang, Dec 12 2020

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