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Seventeen or Bust

Canonical name SeventeenOrBust
Date of creation 2013-03-22 17:20:32
Last modified on 2013-03-22 17:20:32
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Last modified by PrimeFan (13766)

Numerical id 6

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Entry type Definition Classification msc 01A61 Classification msc 01A65 Seventeen or Bust is a distributed computing project aimed at proving that 78557 is the smallest http://planetmath.org/SierpinskiNumbersSierpiński numbers. The Seventeen or Bust project has discovered some of the largest non-Mersenne primes, the most recent being $19249 \times 2^{13018586} + 1$ discovered by Konstantin Agafonov. Over the past five years, it is estimated that the summatory of the frequencies of all the computer processors participating in the project is 47 teraHertz spread across almost a hundred thousand different computers operated by ten thousand different users.

There were seventeen different k to test when the project started; as of June 2007, only eight are left. The smallest k still being tested by the project is 10223, for which more than six hundred tests have been performed, while the largest k remaining is 69109.

0.1 External links

http://www.seventeenorbust.com/Official Website