

Zbl 129.02803

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On a problem of Sierpiński. (Extract from a letter to W. Sierpiński) (In English)

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Answering a question of *W. Sierpiński* (Zbl 122.04602), the author proves that for a certain absolute constant C , every integer $> C + \sum_{i=2}^{s+1} p_i$ is the sum of s integers > 1 , pairwise relatively prime (p_i is the i th prime). This is best possible up to the value of C since $\sum_{i=2}^{s+1} p_i - 2$ is not the sum in question. The integers pairwise relatively prime are taken in the proof to be primes or squares of primes. In Lemma 1, in place of C_1 read c_1 .

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Classification:

11A41 Elementary prime number theory