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Properties of Non Powerful Numbers

Abstract: In this paper we study some properties of non powerful numbers. We evaluate the n-th non powerful number and prove for the sequence of non powerful numbers some theorems that are related to the sequence of primes: Landau, Mandl, Scherk. Related to the conjecture of Goldbach, we prove that every positive integer ≥ 3 is the sum between a prime and a non powerful number.

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