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On the density of odd integers of the form $(p-1)2^{-n}$ *and related questions.* (In English)

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Given k primes $p_1, \ldots, p_k$, write $p - 1 = p_1^{a_1} \ldots p_k^{a_k} s_p$, where s_p is coprime to $P = p_1 p_2 \ldots p_k$. It is proved that the sequence of numbers occuring as s_p for some prime p has positive lower density. The most interesting unsolved problem is whether this sequence (s_p) can contain all numbers, coprime to P; concerning this question some numerical data are given.

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11N05 Distribution of primes
11N35 Sieves

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primes of special form; divisors; sieve methods; density