

Zbl 332.10002

Eggleton, R.B.; Erdős, Paul; Selfridge, J.L.

Computation of sequences maximizing least common multiples. (In English)

Proc. 5th Manitoba Conf. numer. Math., Winnipeg 1975, 293-303 (1976).

[For the entire collection see Zbl 327.00009.]

Let k, n be positive integers in the intervals $1 \leq k \leq \pi(n)$, $1 \leq n \leq 100$, where $\pi(n)$ is the number of primes up to n . For each pair k, n we specify one of the k -sets of positive integers up to n , with the property that its least common multiple is maximum. For each n , the specification takes the form of a sequence of integers and "cancellative terms"; each k -set can immediately be read off once the sequence is given.

Classification:

11-04 Machine computation, programs (number theory)

11A05 Multiplicative structure of the integers

11B99 Sequences and sets