

Divisors

Let N be a positive integer. In theory it is easy to decide if $d(N)$ (the number of positive divisors of N including 1 and N) is prime or not. Your task is just a little bit harder: compute all N in $[1, 10^6]$ for which $d(N) = p \cdot q$ where p and q distinct primes.

Input

There is no input for this problem.

Output

To make the problem less io related write out only every 9-th of them, one per line.

Output:

50
99
162
...
999524
999728
999927