DIV - 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*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.

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Output:
50
99
162
...
999524
999728
999927
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