

Problem E. E

Time limit	1325 ms
Mem limit	1572864 kB
Code length Limit	10000 B
OS	Linux

The problem statement is really simple. You are to write all primes less than 10^8

Input

There is no input.

Output

To make the problem less output related write out only the 1st, 101st, 201st, ... 1st mod 100.

Example

Input:

Output:

2
547
1229
...
99995257
99996931
99998953