

Problem B: Prime numbers

Description

Find the number of prime numbers that are less than or equal to a given number.

Input

Your program is to read from standard input. The input consists of T test cases. The number of test cases T is given in the first line of input. Each test case is given by a line that holds a number, N . The number N ($1 \leq N \leq 1000$) denotes the upper bound for the search of the prime numbers.

Output

Your program is to write to standard output. For each test case you should print the number of prime numbers that are less than or equal to the given value of N on a single line.

Sample

Input	Output
2	7
18	3
5	