**How many prime numbers**

**Time Limit: 3000/1000 MS (Java/Others)    Memory Limit: 32768/32768 K (Java/Others)**

**Problem Description**

  Give you a lot of positive integers, just to find out how many prime numbers there are.

**Input**

  There are a lot of cases. In each case, there is an integer N representing the number of integers to find. Each integer won’t exceed 32-bit signed integer, and each of them won’t be less than 2.

**Output**

  For each case, print the number of prime numbers you have found out.

**Sample Input**

3

2 3 4

**Sample Output**

2