Problem F5104
Count Prime Number

A prime number is a nature number greater than 1 that has no positive divisors other than 1 and itself. Write a program to determine how many prime numbers are there in the set $\{2, 3, \ldots, n\}$.

Input

The input consist of a single integer $n(2 \leq n \leq 100)$.

Output

Print a single integer, denoting the number of prime numbers in the set $\{2, 3, \ldots, n\}$.

Sample Input

```
10
```

Sample Output

```
4
```

Explanation of Sample Data

There are 4 prime numbers : 2 3 5 7.