

## A. Almost Prime

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

A number is called almost prime if it has exactly two distinct prime divisors. For example, numbers 6, 18, 24 are almost prime, while 4, 8, 9, 42 are not. Find the amount of almost prime numbers which are between 1 and  $n$ , inclusive.

### Input

Input contains one integer number  $n$  ( $1 \leq n \leq 3000$ ).

### Output

Output the amount of almost prime numbers between 1 and  $n$ , inclusive.

### Examples

input	Copy
10	
output	Copy
2	

  

input	Copy
21	
output	Copy
8	