



HOME TOP CATALOG CONTESTS GYM **PROBLEMSET** GROUPS RATING EDU API CALENDAR HELP

PROBLEMS STATUS STANDINGS CUSTOM TEST SURMIT

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 ($1 \le n \le 3000$).

Output

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

Examples	
input	Сору
10	
output	Сору
2	
input	Сору
21	
output	Сору
8	

→ Attention

The package for this problem was not updated by the problem writer or Codeforces administration after we've upgraded the judging servers. To adjust the time limit constraint, a solution execution time will be multiplied by 2. For example, if your solution works for 400 ms on judging servers, then the value 800 ms will be displayed and used to determine the verdict.

Codeforces Beta Round 26 (Codeforces format)

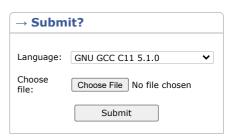
Finished Practice

→ Virtual participation

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Start virtual contest





→ Problem tags	
number theory *900	
	No tag edit access

→ Contest materials	
Announcement	×
Tutorial #1	\times

Tutorial #2 (ru)

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