Begin: 2021-04-29 18:10 UTC-3

UFBA - Treino para Iniciantes #15 (primos, fatoração prima, crivo de Eratosthenes)

End: 2021-05-02 06:10 UTC-3

Ended

Time limit

2000 ms

Memory limit

262144 kB

Source

Codeforces Beta Round #26 (Codeforces format)

Tags

number theory *900

Editorial

Announcement Tutorial #1 Tutorial #2 (ru)

Hints

Hide

C - Almost Prime CodeForces - 26A

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
10
Output
2

Input
21
Output
8

Server Time: 2021-05-05 15:38:19 UTC-3