

## J. Divisibility

time limit per test: 0.5 seconds  
 memory limit per test: 64 megabytes  
 input: standard input  
 output: standard output

IT City company developing computer games invented a new way to reward its employees. After a new game release users start buying it actively, and the company tracks the number of sales with precision to each transaction. Every time when the next number of sales is divisible by all numbers from 2 to 10 every developer of this game gets a small bonus.

A game designer Petya knows that the company is just about to release a new game that was partly developed by him. On the basis of his experience he predicts that  $n$  people will buy the game during the first month. Now Petya wants to determine how many times he will get the bonus. Help him to know it.

### Input

The only line of the input contains one integer  $n$  ( $1 \leq n \leq 10^{18}$ ) — the prediction on the number of people who will buy the game.

### Output

Output one integer showing how many numbers from 1 to  $n$  are divisible by all numbers from 2 to 10.

### Examples

input
3000
output
1

### Experimental Educational Round: VoIBIT Formulas Blitz

Finished

### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.


Start virtual contest

### → Problem tags

math

No tag edit access

### → Contest materials

- Announcement 
- Tutorial 