# Problem J. Jelly-Oxygen Beans

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|---|---|
| Input file: | job.in |
| Output file: | job.out |
| Time limit: | 2 seconds |
| Memory limit: | 256 megabytes |

Do you think that eating candies is easy? This is not the case when they are oxygen candies actually.

As you like everything sweet, you've just bought a fresh pack of $N$ jelly beans. But usual jelly beans are, of course, not an option. As a part of your desire to taste everything in your life, you've bought special jelly-oxygen beans, rare and exclusive candies.

Now it came to eating, and you decided to solve the jelly-oxygen beans eating problem in a mathematical way.

Suppose you want to eat $N$ jelly-oxygen beans during the next $M$ ($1 \le M \le N$) days, eating the same number of jelly-oxygen beans each day. It might be impossible, however, if $M$ doesn't divide $N$. In this case, you want to eat $\lfloor N/M \rfloor$ jelly-oxygen beans each day. The remaining $N \bmod M$ jelly-oxygen beans should be divided into $M$ equal smaller parts. If this is possible, you'll eat exactly one of these parts each day.

How many possible choices of $M$ do you have?

## Input

The only line of the input file contains an integer number $N$ ($1 \le N \le 10^{12}$).

## Output

Output the number of possible values of $M$.

## Examples

| job.in | job.out |
|---|---|
| 5 | 4 |

## Note

The possible values of $M$ in the example are 1 (eat all candies on the only day), 2 (divide a candy into two equal parts and eat two undivided candies and one of the parts each day), 4 (divide a candy into four equal parts and eat one undivided candy and one of the parts each day) and 5 (eat one candy each day). Note that $M$ can't be equal to 3, as you can't divide $N \bmod M = 2$ candies into $M = 3$ equal parts.