

## Problem L. Modulo Magic

Input file: *standard input*  
Output file: *standard output*  
Time limit: 2 seconds  
Memory limit: 256 mebibytes

You have a positive integer  $n$ .

You need to find the number of different integers among  $n \bmod 1, n \bmod 2, \dots, n \bmod (n-1)$ .

### Input

The first line of input contains one integer  $n$  ( $2 \leq n \leq 10^9$ ).

### Output

Print one integer: the number of different integers among  $n \bmod 1, n \bmod 2, \dots, n \bmod (n-1)$ .

### Examples

standard input	standard output
2	1
3	2