

## F. Factorial zeros

time limit per test: 3 seconds  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

You are given a positive integer  $n$ . Output the number of trailing zeros in  $n!$  ( $n!$  denotes a product of integers between 1 and  $n$ , inclusive).

### Input

The only line of input contains an integer  $n$  ( $1 \leq n \leq 1000000$ ).

### Output

Output the number of trailing zeros in  $n!$ .

### Examples

input
6
output
1

input
24
output
4

### Note

In the first sample  $6! = 720$ .

In the second sample  $24! = 620448401733239439360000$ .