Trailing Zeros

Your task is to calculate the number of trailing zeros in the factorial n!.

For example, 20!=2432902008176640000 and it has 4 trailing zeros.

Input

The only input line has an integer n.

Output

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

Constraints

- $1 \le n \le 10^9$

Example

Input:

20

Output:

4