

## A. Elephant

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

An elephant decided to visit his friend. It turned out that the elephant's house is located at point 0 and his friend's house is located at point  $x$  ( $x > 0$ ) of the coordinate line. In one step the elephant can move 1, 2, 3, 4 or 5 positions forward. Determine, what is the minimum number of steps he need to make in order to get to his friend's house.

### Input

The first line of the input contains an integer  $x$  ( $1 \leq x \leq 1\,000\,000$ ) — The coordinate of the friend's house.

### Output

Print the minimum number of steps that elephant needs to make to get from point 0 to point  $x$ .

### Examples

input
5
output
1

  

input
12
output
3

### Note

In the first sample the elephant needs to make one step of length 5 to reach the point  $x$ .

In the second sample the elephant can get to point  $x$  if he moves by 3, 5 and 4. There are other ways to get the optimal answer but the elephant cannot reach  $x$  in less than three moves.