CODEFORCES
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HOME   TOP   CATALOG   CONTESTS   GYM   **PROBLEMSET**   GROUPS   RATING   EDU   API   CALENDAR   HELP

PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

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 ($1 \le x \le 1\,000\,000$) — 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	Copy
5	

output	Copy
1	

input	Copy
12	

output	Copy
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.

Codeforces Round #340 (Div. 2)
Finished
Practice
⭐

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest]

→ Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest]

→ Submit?

Language: [Python 3.8.10   ▼]
Almost always, if you send a solution on PyPy, it works much faster

Choose file: [Choose File] No file chosen

[Submit]

→ Problem tags

math   *800

No tag edit access

→ Contest materials

- Announcement (en)   ✕
- Tutorial (en)   ✕

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