Elephant

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. What is the minimum number of steps does 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 ≤ *x* ≤ 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.