#codefor15

Challenge 6.2: Bear

A Bear decided to visit his friend. It turned out that the Bear's house is located at point 0 and his friend's house is located at point $\mathbf{x}(\mathbf{x} > \mathbf{0})$ of the coordinate line. In one step the Bear 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.

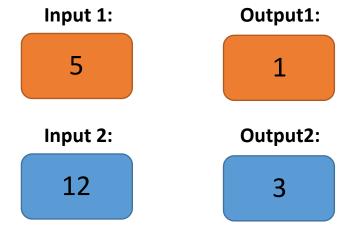
Input Constraints:

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 Constraint:

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

Examples:



NOTE:

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

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