

6**The 5 counter***5 points***Introduction**

A religious sect thinks that god is number 5 and needs a program to determine in how many places is god, based on a number they obtain through an obscure and misterious process.

They ask you to write a program that calculates the number of 5's that exists in all numbers from 0 to a given number (including it).

For instance, given the number 20, there are two 5's in the numbers from 0 to 20: The one in 5 and the one in 15.

Or, another example, given the number 99, there are 20 5's in all numbers from 0 to 99 (11 in the 50's, remember that 55 has two fives, and 9 in the rest of tens).

Input

The input will be a positive integer number.

Output

A number indicating the count of 5's in all numbers from zero to the given number.

Example 1

Input

100

Output

20**Example 2**

Input

283746

Output

143145**Example 3**

Input

5

Output

1