Nine Maniac

Time Limit	0.2s
Memory Limit	64MB

Description

There's always one or more weird guy in every group you are in. I bet you never saw this kind of weird guy! There is one guy whom i met few months ago, he is in love with number 9. One day, he ask me this problem. He has N integer numbers from 1 to N. He asked me to count how many different pairs such that the sum of the pair ends with maximum number of 9. Two pairs is called different if the sum or absolute difference of the pair is different with other pair. Since I don't know the answer, each month after he ask me that question, he keep demand me for the answer. Please help me! you're the only competent programmer that i know that could solve this problem. Help me stop this madness!

Input Format

In a line, a positive integer N.

Output Format

Print an integer in a line, the answer to the question.

Constraint

- $1 \leq N \leq 10^9$

Sample Input 1

51

Sample Output 1

2

Sample Input 2

16

Sample Output 2

13

Explanation for Sample 1

for number 1 to 51 the maximum number 9 that ends a number is 2 that is the number that ends with 99

- 48 and 51
- 49 and 50