Problem X: Removing Digits

Problem Description

You are given an integer n. On each step, you may subtract one of the digits from the number. How many steps are required to make the number equal to 0?

Input

The only input line contains an integer n, where $1 \leq n \leq 10^6$.

Output

Print one integer: the minimum number of steps.

Sample

Sample Input 1
27

Sample Output 1
5

Explanation: An optimal solution is $27 \to 20 \to 18 \to 10 \to 9 \to 0$.