Problem B. Removing Digits

Time limit 1000 ms
Mem limit 524288 kB

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 has an integer n.

Output

Print one integer: the minimum number of steps.

Constraints

- $1 \leq n \leq 10^6$

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

Sample

Input	Output
27	5