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

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

Example

Input	Output
27	5

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