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## Problem A. Removing Digits

Input file:            **standard input**  
Output file:         **standard output**  
Time limit:          1.5 seconds  
Memory limit:       512 megabytes

You are given an integer  $n$ . On each step, you may subtract from it any one-digit number that appears in it.

How many steps are required to make the number equal to 0?

### Input

The only input line has an integer  $n$  ( $1 \leq n \leq 10^6$ )

### Output

Print one integer: the minimum number of steps.

### Example

standard input	standard output
27	5

### Note

An optimal solution for the first test case is :  $27 \rightarrow 20 \rightarrow 18 \rightarrow 10 \rightarrow 9 \rightarrow 0$