

## C. One-Based Arithmetic

time limit per test: 0.5 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

Prof. Vasechkin wants to represent positive integer  $n$  as a sum of addends, where each addends is an integer number containing only 1s. For example, he can represent 121 as  $121=111+11+1$ .

Help him to find the least number of digits 1 in such sum.

### Input

The first line of the input contains integer  $n$  ( $1 \leq n < 10^{15}$ ).

### Output

Print expected minimal number of digits 1.

### Examples

input
121
output
6