

# Maximum Sum of Digits

Time Limit 2 seconds

You are given a positive integer  $n$ .

Let  $S(x)$  be sum of digits in base 10 representation of  $x$ , for example,

$$S(123) = 1 + 2 + 3 = 6, S(0) = 0.$$

Your task is to find two integers  $a, b$ , such that  $0 \leq a, b \leq n, a + b = n$  and

$S(a) + S(b)$  is the largest possible among all such pairs.

## Input

The only line of input contains an integer  $n$  ( $1 \leq n \leq 10^{12}$ ).

## Output

Print largest  $S(a)+S(b)$  among all pairs of integers  $a, b$ , such that  $0 \leq a, b \leq n$  and  $a + b = n$ .

## Examples

Sample Input	Sample Output
35	17
10000000000	91

## Note

In the first example, you can choose, for example,  $a=17$  and  $b=18$ , so that  $S(17)+S(18)=1+7+1+8=17$ . It can be shown that it is impossible to get a larger answer.

In the second test example, you can choose, for example,  $a=5000000001$  and  $b=4999999999$ , with  $S(5000000001)+S(4999999999)=91$ . It can be shown that it is impossible to get a larger answer.