**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 ≤ a, b ≤ 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 ≤ n ≤ ).

Output

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

**Examples**

|  |  |
| --- | --- |
| **Sample Input** | **Sample Output** |
| 35  10000000000 | 17  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.