

Description

Solution

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Python3

Autocomplete

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## 1881. Maximum Value after Insertion

Medium

👍 114

👎 29

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You are given a very large integer  $n$ , represented as a string, and an integer digit  $x$ . The digits in  $n$  and the digit  $x$  are in the **inclusive** range  $[1, 9]$ , and  $n$  may represent a **negative** number.

You want to **maximize**  $n$ 's **numerical value** by inserting  $x$  anywhere in the decimal representation of  $n$ . You **cannot** insert  $x$  to the left of the negative sign.

- For example, if  $n = 73$  and  $x = 6$ , it would be best to insert it between 7 and 3, making  $n = 763$ .
- If  $n = -55$  and  $x = 2$ , it would be best to insert it before the first 5, making  $n = -255$ .

Return a string representing the **maximum** value of  $n$  after the insertion.

### Example 1:

**Input:**  $n = "99"$ ,  $x = 9$

**Output:** "999"

**Explanation:** The result is the same regardless of where you insert 9.

### Example 2:

```

1 class Solution:
2     def maxValue(self, n: str, x: int) ->
      str:
3
4         string = list(n)
5         if string[0] != '-':
6             for i in range(0, len(string)):
7                 if x >= int(string[i]):
8                     string.insert(i, str(x))
9                     break
10        elif string[0] == '-':
11            for i in range(1, len(string)):
12                if x <= int(string[i]):
13                    string.insert(i, str(x))
14                    break
15
16        p = int("".join(string))
17        return str(p)
18
19
20

```

Problems

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Console

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