

Problem

Submissions

[< All Problems \(JavaScript:void\(0\)\)](#)

Construct smallest string

Accuracy: 14.27% Submissions: 28 Points: 60

Given a string **A** and you have two empty string **B** and **C**. You can do the following operations any number of times:

- Remove the first character of **A** and insert it at the end of **B**.
- Remove the last character of **B** and insert it at the end of **C**.

You have to empty the string **A** and make the string **C** lexicographically smallest by performing above operations and using the string **B**. At the end **B** should also be empty.

Example 1:

Input: A = fde**Output:** def**Explanation:**

Step 1: Remove the first character of A i.e. 'f' and insert it at end of B. So now A = de and B = f.

Step 2: Remove the first character of A i.e. 'd' and insert it at end of B. So now A = e and B = fd.

Step 3: Remove the last character of B i.e. 'd' and insert it at end of C. So now A = e , B = f and C = d.

Step 4: Remove the first character of A i.e. 'e' and insert it at end of B. So now A is empty, B = fe and C = d.

Step 5: Remove the last character of B i.e. 'e' and insert it at end of C. So now A is empty, B = f and C = de.

Step 6: Remove the last character of B i.e. 'f' and insert it at end of C. So now A is empty, B is also empty and C = def.

Example 2:

C++ (g++ 5.4) ▼

Test against custom input



```
1  // } Driver Code Ends
9 // User function Template for C++
10
11 class Solution {
12     public:
13         string constructSmallestString(string A) {
14             // code here
15         }
16 };
17
18
19  // } Driver Code Ends
```



Compile & Run

Submit