중복된 문자를 제외하고 사전식 순서로 나열하라.

Input: s = "bcabc"
Output: "abc"

1.재귀
```
class Solution:
    def removeDuplicateLetters(self, s: str) -> str:
        for c in sorted(set(s)):
            suffix = s[s.index(c):]
            if set(s) == set(suffix):
                return c + self.removeDuplicateLetters(suffix.replace(c, ''))
        return ''
```

> ‣ 알파벳 순으로 suffix안에 모든 s안의 모든 문자가 들어가는지 재귀적으로 판별

2.스택
```
class Solution:
    def removeDuplicateLetters(self, s: str) -> str:
        counter, seen, stack = collections.Counter(s), set(), []
        for char in s:
            counter[char] -= 1
            if char in seen:
                continue
            while stack and char < stack[-1] and counter[stack[-1]] > 0:
                seen.remove(stack.pop())
            stack.append(char)
            seen.add(char)
        return ''.join(stack)
```

```
class Solution:
    def removeDuplicateLetters(self, s: str) -> str:
        counter, stack = collections.Counter(s), []
        for char in s:
            counter[char] -= 1
            if char in stack:
                continue
            while stack and char < stack[-1] and counter[stack[-1]] > 0:
                stack.pop()
            stack.append(char)
        return ''.join(stack)
```