Problem 1081: Smallest Subsequence of Distinct Characters

Problem Information

Difficulty: Medium
Acceptance Rate: 62.67%
Paid Only: No
Tags: String, Stack, Greedy, Monotonic Stack

Problem Description

Given a string `s`, return _the_ _lexicographically smallest_ _subsequence_ _of_ `s` _that contains all the distinct characters of_ `s` _exactly once_.

Example 1:

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

Example 2:

Input: s = "cbacdcbc" **Output:** "acdb"

Constraints:

* `1 <= s.length <= 1000` * `s` consists of lowercase English letters.

Note: This question is the same as 316:
<https://leetcode.com/problems/remove-duplicate-letters/>

Code Snippets

C++:

```
class Solution {
public:
string smallestSubsequence(string s) {


}
};
```

Java:

```
class Solution {
public String smallestSubsequence(String s) {


}
}
```

Python3:

```
class Solution:
def smallestSubsequence(self, s: str) -> str:
```