

Problem 844: Backspace String Compare

Problem Information

Difficulty: Easy

Acceptance Rate: 49.64%

Paid Only: No

Tags: Two Pointers, String, Stack, Simulation

Problem Description

Given two strings `s` and `t`, return `true` if they are equal when both are typed into empty text editors. `'#'` means a backspace character.

Note that after backspacing an empty text, the text will continue empty.

Example 1:

Input: `s = "ab#c", t = "ad#c"` **Output:** `true` **Explanation:** Both `s` and `t` become `"ac"`.

Example 2:

Input: `s = "ab##", t = "c#d#"` **Output:** `true` **Explanation:** Both `s` and `t` become `""`.

Example 3:

Input: `s = "a#c", t = "b"` **Output:** `false` **Explanation:** `s` becomes `"c"` while `t` becomes `"b"`.

Constraints:

`1 <= s.length, t.length <= 200` `s` and `t` only contain lowercase letters and `'#'` characters.

Follow up: Can you solve it in `O(n)` time and `O(1)` space?

Code Snippets

C++:

```
class Solution {  
public:  
    bool backspaceCompare(string s, string t) {  
  
    }  
};
```

Java:

```
class Solution {  
    public boolean backspaceCompare(String s, String t) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def backspaceCompare(self, s: str, t: str) -> bool:
```