

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:
```