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?

Solution:

```
class Solution {
    public boolean backspaceCompare(String s, String t) {
        StringBuilder str1 = new StringBuilder();
        StringBuilder str2 = new StringBuilder();

        for (int i = 0; i < s.length(); i++) {
            if (s.charAt(i) == '#') {
                if (str1.length() > 0) {
                    str1.deleteCharAt(str1.length() - 1);
                }
            } else {
                str1.append(s.charAt(i));
            }
        }

        for (int i = 0; i < t.length(); i++) {
            if (t.charAt(i) == '#') {
                if (str2.length() > 0) {
                    str2.deleteCharAt(str2.length() - 1);
                }
            } else {
                str2.append(t.charAt(i));
            }
        }

        return str1.toString().equals(str2.toString());
    }
}
```