Given two strings S and T, return if they are equal when both are typed into empty text editors. # means a backspace character.

**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 = "#a#c"

**Output:** true

**Explanation**: Both S and T become "c".

**Example 4:**

**Input:** S = "a#c", T = "b"

**Output:** false

**Explanation**: S becomes "c" while T becomes "b".

**Note**:

1. 1 <= S.length <= 200
2. 1 <= T.length <= 200
3. S and T only contain lowercase letters and '#' characters.

**Follow up:**

* Can you solve it in O(N) time and O(1) space?