**Problem #844: Backspace String Compare**

<https://leetcode.com/problems/backspace-string-compare/description/>

My Solution:

1. Initialize a stack called stack\_s as an empty list.
2. Traverse through the string s. For each letter in s, if the letter is not a backspace, append it to the stack. If it is a backspace and if the stack is not empty pop the stack (i.e. delete the last item on the stack),
3. Initialize another stack called stack\_t as an empty list.
4. Traverse through the string t. If the letter is not a backspace, append it to the stack. If it is a backspace and if the stack is not empty pop the stack (i.e. delete the last item on the stack),
5. Return True if stack\_s and stack\_t are equal and False otherwise.

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class Solution:

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

stack\_s = []

for letter in s:

if letter != '#':

stack\_s.append(letter)

else:

if stack\_s:

stack\_s.pop()

stack\_t = []

for letter in t:

if letter != '#':

stack\_t.append(letter)

else:

if stack\_t:

stack\_t.pop()

return stack\_s == stack\_t