## Problem Challenge 2



# Comparing Strings containing Backspaces (medium)

Given two strings containing backspaces (identified by the character '#'), check if the two strings are equal.

#### Example 1:

```
Input: str1="xy#z", str2="xzz#"
Output: true
Explanation: After applying backspaces the strings become "xz" and "xz" respectively.
```

#### Example 2:

```
Input: str1="xy#z", str2="xyz#"
Output: false
Explanation: After applying backspaces the strings become "xz" and "xy" respectively.
```

### Example 3:

```
Input: str1="xp#", str2="xyz##"
Output: true
Explanation: After applying backspaces the strings become "x" and "x" respectively.
In "xyz##", the first '#' removes the character 'z' and the second '#' removes the characte r 'y'.
```

### Example 4:

```
Input: str1="xywrrmp", str2="xywrrmu#p"
Output: true
Explanation: After applying backspaces the strings become "xywrrmp" and "xywrrmp" respectively.
```

## Try it yourself #

Try solving this question here:

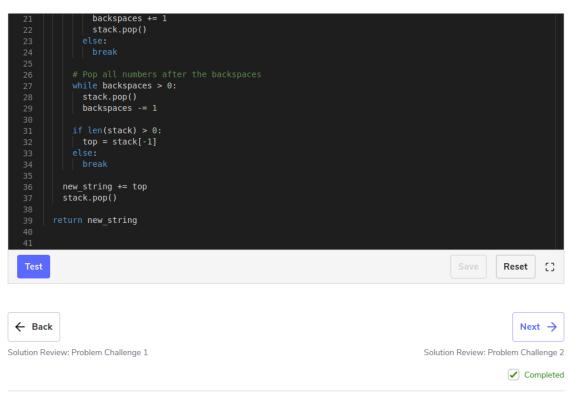
```
def backspace_compare(str1, str2):
    return create_new_str(str1) == create_new_str(str2)

def create_new_str(str1):
    stack = []
    new_string = ""

for s in str1:
    stack.append(s)

while len(stack) > 0:
    top = stack[-1]
    if top == "#":
    backspaces = 1
    stack.pop()

# Find all backspaces
while len(stack) > 0:
    currTop = stack[-1]
    if currTop == "#":
```



Propert an Issue Ask a Question