# 415. Add Strings

Given two non-negative integers, `num1` and `num2` represented as string, return *the sum of* `num1` *and* `num2` *as a string*.

You must solve the problem without using any built-in library for handling large integers (such as `BigInteger`). You must also not convert the inputs to integers directly.

**Example 1:**

```
Input: num1 = "11", num2 = "123"
Output: "134"
```

**Example 2:**

```
Input: num1 = "456", num2 = "77"
Output: "533"
```

**Example 3:**

```
Input: num1 = "0", num2 = "0"
Output: "0"
```

**Constraints:**

- `1 <= num1.length, num2.length <= 10<sup>4</sup>`
- `num1` and `num2` consist of only digits.
- `num1` and `num2` don't have any leading zeros except for the zero itself.

```python
class Solution:
    def addStrings(self, nums1: str, nums2: str) -> str:
        if len(nums1)>len(nums2):
            temp = '0'*(len(nums1)-len(nums2))
            nums2 = temp+nums2
        elif len(nums1)<len(nums2):
            temp = '0'*(len(nums2)-len(nums1))
            nums1 = temp+nums1

        ans = ''
        carry = 0

        j = len(nums1)-1
        while j>=0:
```

```
            x = int(nums1[j])
            y = int(nums2[j])
            temp = x+y +carry
            ans = str(temp%10) + ans
            carry = temp//10
            j = j-1
        # print(ans)
        return str(carry)+ans if carry>0 else ans
```