

# 415. Add Strings

## Description

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:

- $1 \leq \text{num1.length}, \text{num2.length} \leq 10^4$
- `num1` and `num2` consist of only digits.
- `num1` and `num2` don't have any leading zeros except for the zero itself.

