

Problem 415: Add Strings

Problem Information

Difficulty: Easy

Acceptance Rate: 52.03%

Paid Only: No

Tags: Math, String, Simulation

Problem 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 <= num1.length, num2.length <= 104` * `num1` and `num2` consist of only digits. * `num1` and `num2` don't have any leading zeros except for the zero itself.

Code Snippets

C++:

```
class Solution {  
public:  
    string addStrings(string num1, string num2) {  
  
    }  
};
```

Java:

```
class Solution {  
public String addStrings(String num1, String num2) {  
  
}  
}
```

Python3:

```
class Solution:  
    def addStrings(self, num1: str, num2: str) -> str:
```