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.