43. Multiply Strings

Given two non-negative integers num1 and num2 represented as strings, return the product of num1 and num2, also represented as a string.

Note: You must not use any built-in BigInteger library or convert the inputs to integer directly.

Example 1:

Input: num1 = "2", num2 = "3"

Output: "6"

Example 2:

Input: num1 = "123", num2 = "456"

Output: "56088"

Constraints:

1 <= num1.length, num2.length <= 200

num1 and num2 consist of digits only.

Both num1 and num2 do not contain any leading zero, except the number 0 itself.