

You are given two non-empty linked lists representing two non-negative integers. The digits are stored in reverse order, and each of their nodes contains a single digit. Add the two numbers and return the sum as a linked list.

You may assume the two numbers do not contain any leading zero, except the number 0 itself.

Example 1:

Input:  $l1 = [2,4,3]$ ,  $l2 = [5,6,4]$

Output:  $[7,0,8]$

Explanation:  $342 + 465 = 807$ .

Example 2:

Input:  $l1 = [0]$ ,  $l2 = [0]$

Output:  $[0]$

Example 3:

Input:  $l1 = [9,9,9,9,9,9,9]$ ,  $l2 = [9,9,9,9]$

Output:  $[8,9,9,9,0,0,0,1]$