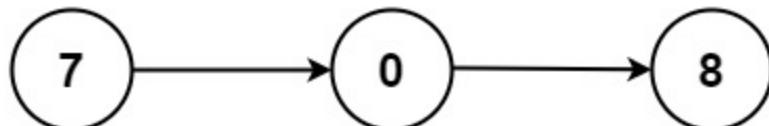
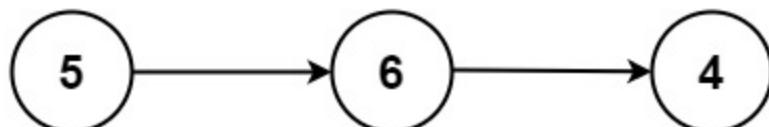
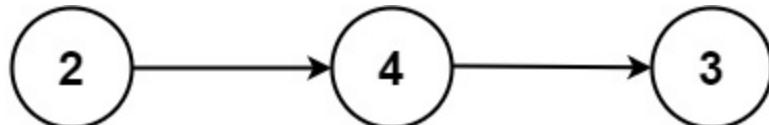


# 題目

## Add Two Numbers

你有兩個**非空的單向鏈結串列 (linked lists)**，每個節點 (node) 裡存一個數字。



這兩個串列代表兩個**非負整數**，但數字是倒著存的，也就是：

- `[2,4,3]` 代表 342
- `[5,6,4]` 代表 465

你需要把這兩個數字相加，然後結果也用同樣的方式（倒著）做成鏈結串列回傳。

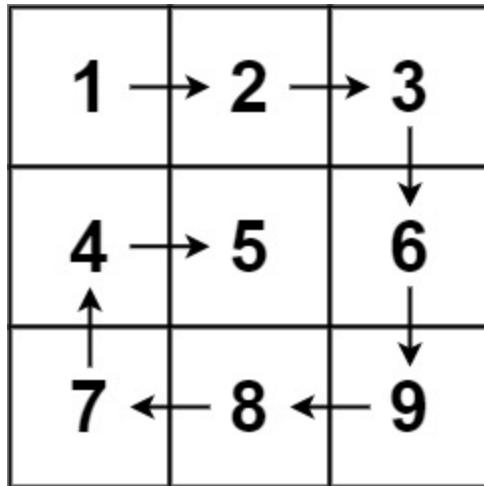
```
# Definition for singly-linked list.
# class ListNode:
#     def __init__(self, val=0, next=None):
#         self.val = val
#         self.next = next
class Solution:
    def addTwoNumbers(self, l1: Optional[ListNode], l2: Optional[ListNode]) →
```

Optional[ListNode]:

## Spiral Matrix

給定一個大小為  $m \times n$  的二維矩陣 `matrix`，請依照 **順時針螺旋順序** (spiral order) 回傳其中所有的元素。

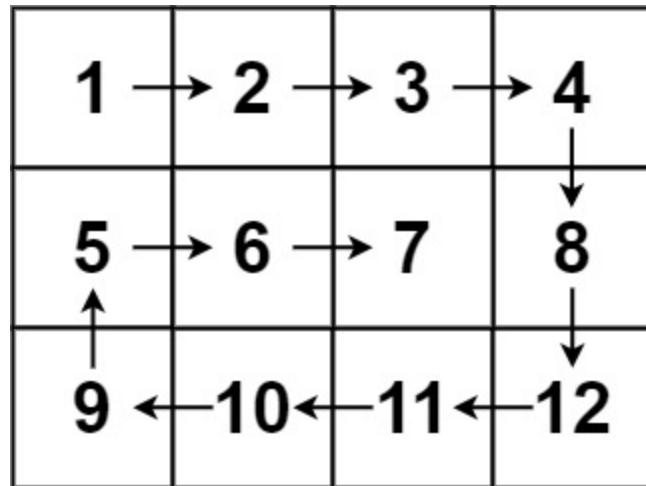
**Example 1:**



Input: `matrix = [[1,2,3],[4,5,6],[7,8,9]]`

Output: [1,2,3,6,9,8,7,4,5]

**Example 2:**



Input: matrix = [[1,2,3,4],[5,6,7,8],[9,10,11,12]]

Output: [1,2,3,4,8,12,11,10,9,5,6,7]

```
class Solution:  
    def spiralOrder(self, matrix: List[List[int]]) → List[int]:
```