



链滴

# [日常 LeetCode] 2. Add Two Numbers

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来源网站: 链滴

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Q:

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 contain a single digit. Add the two numbers and return it as a linked list.

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

**Example:**

**\*\*Input:\*\*** (2 -> 4 -> 3) + (5 -> 6 -> 4)

**\*\*Output:\*\*** 7 -> 0 -> 8

**\*\*Explanation:\*\*** 342 + 465 = 807.

以下解答方式纯属抄的，尴尬的是好几天没看懂题目

A:

```
# Definition for singly-linked list.
```

```
# class ListNode:
```

```
#     def __init__(self, x):
```

```
#         self.val = x
```

```
#         self.next = None
```

```
class Solution:
```

```
    def addTwoNumbers(self, l1: ListNode, l2: ListNode) -> ListNode:
```

```
        c1=l1
```

```
        c2=l2
```

```
        c_val=""
```

```
        c2_val=""
```

```
        while c1:
```

```
            c_val += str(c1.val)
```

```
            c1=c1.next
```

```
        while c2:
```

```
            c2_val += str(c2.val)
```

```
            c2=c2.next
```

```
        c_val = c_val[::-1]
```

```
        c2_val=c2_val[::-1]
```

```
        added = int(c_val) + int(c2_val)
```

```
        added =str(added)
```

```
        added =added[::-1]
```

```
        LL=[]
```

```
        for i in added:
```

```
            LL.append(int(i))
```

```
        return LL
```