

```
public ListNode addTwoNumbers(ListNode l1, ListNode l2) {
    int carry = 0;
    ListNode dummy = new ListNode(-1);
    ListNode p = dummy;
    while (l1 != null && l2 != null) {
        int val = (l1.val + l2.val + carry) % 10;
        carry = (l1.val + l2.val + carry) / 10;
        p = appendToTail(p, val);
        l1 = l1.next;
        l2 = l2.next;
    }
    while (l1 != null) {
        int value = (l1.val + carry) % 10;
        carry = (l1.val + carry) / 10;
        p = appendToTail(p, value);
        l1 = l1.next;
    }
    while (l2 != null) {
        int value = (l2.val + carry) % 10;
        carry = (l2.val + carry) / 10;
        p = appendToTail(p, value);
        l2 = l2.next;
    }
    if (carry != 0) {
        p.next = new ListNode(carry);
    }
    return dummy.next;
}

public ListNode appendToTail(ListNode head, int value) {
    head.next = new ListNode(value);
    head = head.next;
    return head;
}
```

删除排序链表中的重复元素 I

给定一个排序链表，删除所有重复的元素使得每个元素只留下一个

例如：

给定 1->1->2，返回 1->2

给定 1->1->2->3->3，返回 1->2->3

(<https://leetcode-cn.com/problems/remove-duplicates-from-sorted-list/description/>)