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/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode() : val(0), next(nullptr) {}
 *     ListNode(int x) : val(x), next(nullptr) {}
 *     ListNode(int x, ListNode *next) : val(x), next(next) {}
 * };
 */
class Solution {
public:
    ListNode* removeZeroSumSublists(ListNode* head) {
        ListNode* temp = head;
        ListNode* prev = nullptr;
        while (temp) {
            ListNode* ptr = temp;
            int sum = 0;
            do {
                sum += ptr->val;
                ptr = ptr->next;
            } while (ptr && sum != 0);

            if (sum == 0) {
                if (prev) {
                    prev->next = ptr;
                    temp = prev;
                }
                else {
                    head = ptr;
                    prev = nullptr;
                    temp = head;
                }
            }
            else {
                prev = temp;
                temp = temp->next;
            }
        }
        return head;
    }
};

```