



## 6013. Merge Nodes in Between Zeros

[My Submissions \(/contest/weekly-contest-281/problems/merge-nodes-in-between-zeros/submissions/\)](#)
[Back to Contest \(/contest/weekly-contest-281/\)](#)

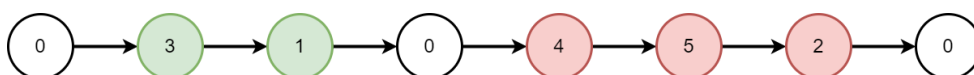
You are given the **head** of a linked list, which contains a series of integers **separated** by 0 's. The **beginning** and **end** of the linked list will have `Node.val == 0`.

For **every** two consecutive 0 's, **merge** all the nodes lying in between them into a single node whose value is the **sum** of all the merged nodes. The modified list should not contain any 0 's.

Return *the head of the modified linked list*.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

### Example 1:



**Input:** head = [0,3,1,0,4,5,2,0]

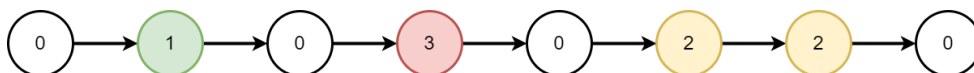
**Output:** [4,11]

#### Explanation:

The above figure represents the given linked list. The modified list contains

- The sum of the nodes marked in green:  $3 + 1 = 4$ .
- The sum of the nodes marked in red:  $4 + 5 + 2 = 11$ .

### Example 2:



**Input:** head = [0,1,0,3,0,2,2,0]

**Output:** [1,3,4]

#### Explanation:

The above figure represents the given linked list. The modified list contains

- The sum of the nodes marked in green:  $1 = 1$ .
- The sum of the nodes marked in red:  $3 = 3$ .
- The sum of the nodes marked in yellow:  $2 + 2 = 4$ .

### Constraints:

- The number of nodes in the list is in the range  $[3, 2 * 10^5]$ .
- $0 \leq \text{Node.val} \leq 1000$
- There are **no** two consecutive nodes with `Node.val == 0`.
- The **beginning** and **end** of the linked list have `Node.val == 0`.

JavaScript



```

1 /**
2  * Definition for singly-linked list.
3  * function ListNode(val, next) {
4  *     this.val = (val===undefined ? 0 : val)
5  *     this.next = (next===undefined ? null : next)
6  * }

```

```
7  */
8  ▾ /**
9    * @param {ListNode} head
10   * @return {ListNode}
11   */
12  ▾ var mergeNodes = function(head) {
13
14  };
```

☐ Custom Testcase[Use Example Testcases](#)[Run](#)[Submit](#)

Copyright © 2022 LeetCode

[Help Center \(/support\)](#) | [Jobs \(/jobs\)](#) | [Bug Bounty \(/bugbounty\)](#) | [Online Interview \(/interview/\)](#) | [Students \(/student\)](#) | [Terms \(/terms\)](#) |

[Privacy Policy \(/privacy\)](#)

 [United States \(/region\)](#)