

## 5558. Merge In Between Linked Lists

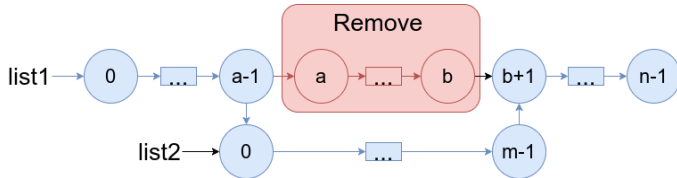
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You are given two linked lists: `list1` and `list2` of sizes `n` and `m` respectively.

Remove `list1`'s nodes from the `ath` node to the `bth` node, and put `list2` in their place.

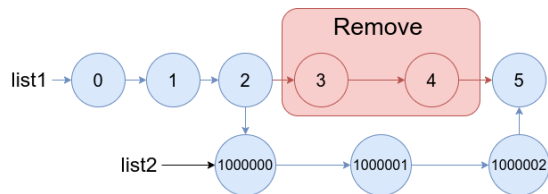
The blue edges and nodes in the following figure indicate the result:



Build the result list and return its head.

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

Example 1:

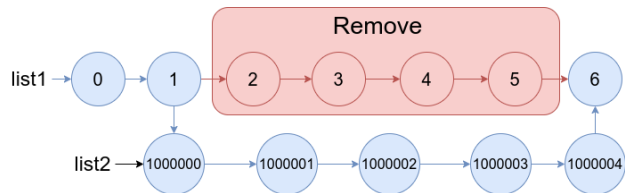


**Input:** `list1 = [0,1,2,3,4,5]`, `a = 3`, `b = 4`, `list2 = [1000000,1000001,1000002]`

**Output:** `[0,1,2,1000000,1000001,1000002,5]`

**Explanation:** We remove the nodes 3 and 4 and put the entire `list2` in their place. The blue edges and nodes in the above figure

Example 2:



**Input:** `list1 = [0,1,2,3,4,5,6]`, `a = 2`, `b = 5`, `list2 = [1000000,1000001,1000002,1000003,1000004]`

**Output:** `[0,1,1000000,1000001,1000002,1000003,1000004,6]`

**Explanation:** The blue edges and nodes in the above figure indicate the result.

Constraints:

- `3 <= list1.length <= 104`
- `1 <= a <= b < list1.length - 1`
- `1 <= list2.length <= 104`

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} list1
10  * @param {number} a
11  * @param {number} b
12  * @param {ListNode} list2
13  * @return {ListNode}

```

```
14  */
15  ▾ var mergeInBetween = function(list1, a, b, list2) {
16
17  };
```

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