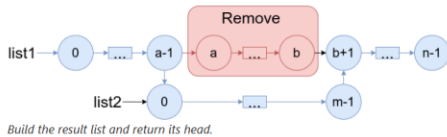## 1669. Merge In Between Linked Lists

Solved ✅

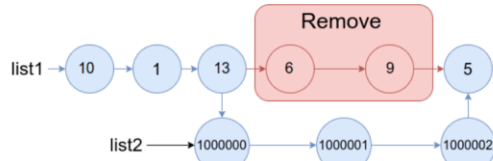`Medium` 🏷️ Topics 🏢 Companies 💡 Hint

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.

Example 1:


```c
struct ListNode* mergeInBetween(struct ListNode* list1, int a, int b, struct ListNode* list2) {
    struct ListNode *prevA = NULL;
    struct ListNode *afterB = NULL;
    struct ListNode *temp = list1;
    int index = 0;

    while (temp != NULL) {
        if (index == a - 1)
            prevA = temp;
        if (index == b)
            afterB = temp->next;
        temp = temp->next;
        index++;
    }

    prevA->next = list2;
    temp = list2;
    while (temp->next != NULL) {
        temp = temp->next;
    }
    temp->next = afterB;

    return list1;
}
```

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