

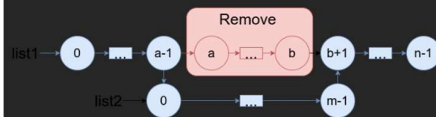
1669. Merge In Between Linked Lists

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 `a`th node to the `b`th node, and put `list2` in their place.

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



```
struct ListNode* mergeInBetween(struct ListNode* list1, int a, int b, struct ListNode* list2){
    struct ListNode *temp,*n,*p;
    int size=0;
    temp=list1;
    while(temp!=NULL ){
        size++;
        if(size==a){
            n=temp;
        }
        if(size==b+1){
            p=temp;
        }
        temp=temp->next;
    }

    temp=list2;
    while(temp->next!=NULL){
        temp=temp->next;
    }
    n->next=list2;
    temp->next=p->next;

    return list1;
}
```

Output:

Input

list1 =
[10,1,13,6,9,5]

a =
3

b =
4

list2 =
[1000000,1000001,1000002]

Output

[10,1,13,1000000,1000001,1000002,5]

Expected

[10,1,13,1000000,1000001,1000002,5]