

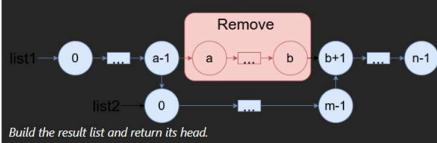
1669. Merge In Between Linked Lists

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 `ath` node to the `bth` 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]
```