## Straight forward approach (memory leaks)

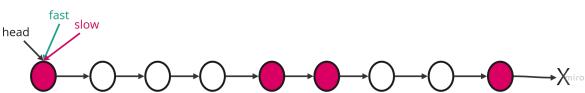
If head... else...

```
Sorting+Binary search (Memory leaks)
if head... else...

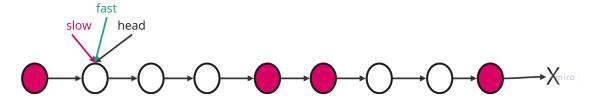
Time complexity: O(nojon)
Space complexity: O(logn)
typedef std::vector<int> vi;

class Solution {
    public:
        ListNode* modifiedList(vi& nums, ListNode* head){
        std::sort(nums.begin(),nums.end());

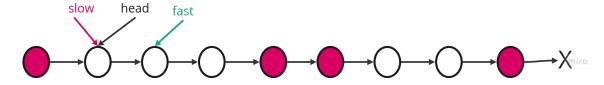
        ListNode* slow-head;
        while(fast){
        if(sds:-binary, search(nums.begin(),nums.end(),fast->val)){
        if(fast==head) {
            head-head-next;
        fast=slow=head;
        }
        else{
            slow-next=fast->next;
        fast=fast->next;
        }
        else{
            slow=fast;
            fast=fast->next;
        }
        return head;
    }
};
```



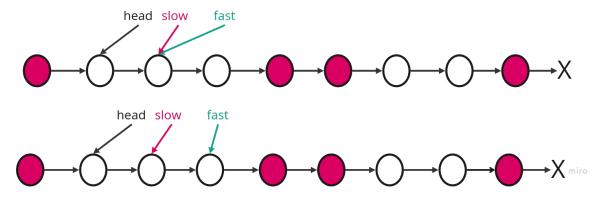
fast points to the node to delete and fast is equal to head:



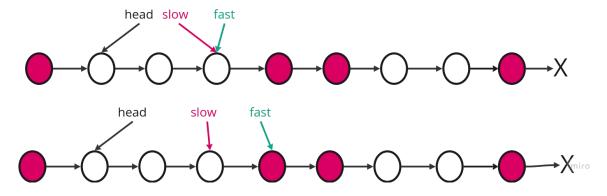
fast does not point to the node to delete:



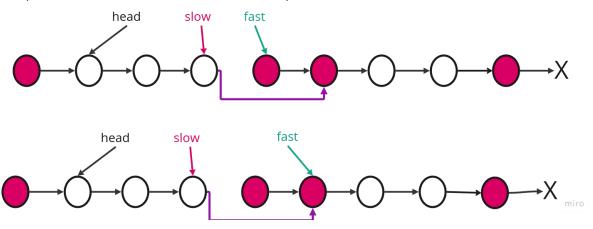
fast does not point to the node to delete:



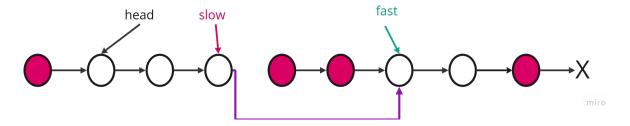
fast does not point to the node to delete:



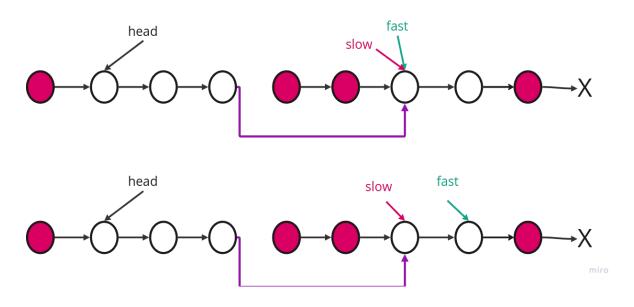
fast points to the node to delete and fast is not equal to head:



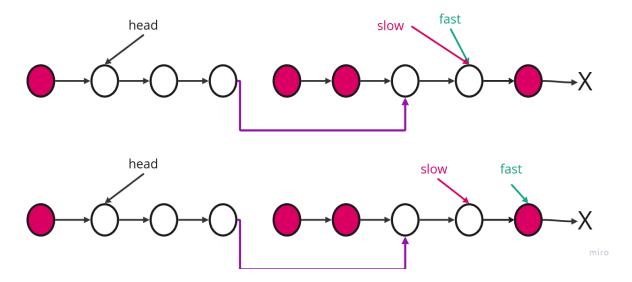
fast points to the node to delete and fast is not equal to head:



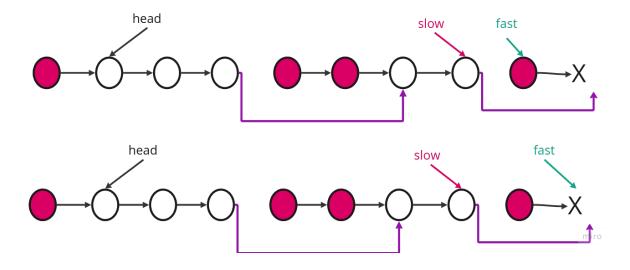
fast does not point to the node to delete:



fast does not point to the node to delete:



fast points to the node to delete and fast is not equal to head:



At end the we get:

