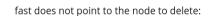
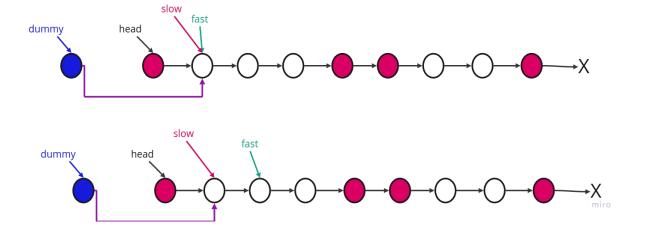
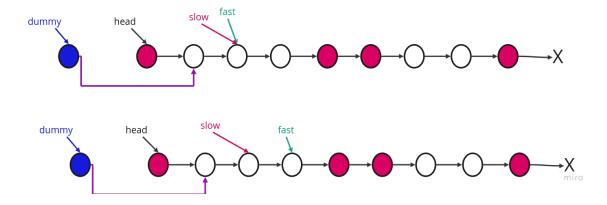
```
/*
     Sorting+Binary search (Memory leaks)
     Use dummy node to make a unified pattern to all nodes
     Time complexity: O(nlogn)
     Space complexity: O(logn)
  typedef std::vector<int> vi;
  class Solution {
    public:
      ListNode* modifiedList(vi& nums, ListNode* head){
         std::sort(nums.begin(),nums.end());
         ListNode* dummy=new ListNode(0,head);
         ListNode* fast=head;
         ListNode* slow=dummy;
         while(fast){
           if(std::binary_search(nums.begin(),nums.end(),fast->val)) slow->next=fast->next;
           else slow=fast;
           fast=fast->next;
         return dummy->next;
  ĵ.
       slow
                     fast
 dummy
               head
fast points to the node to delete:
                     fast
  dummy
               head
                             fast
    dummy
                  head
```

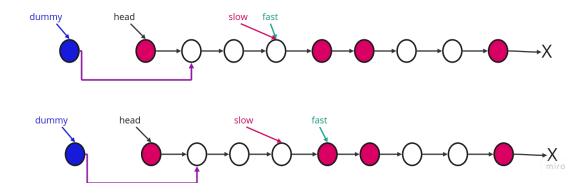




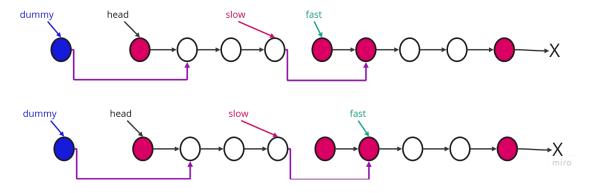
fast does not point to the node to delete:



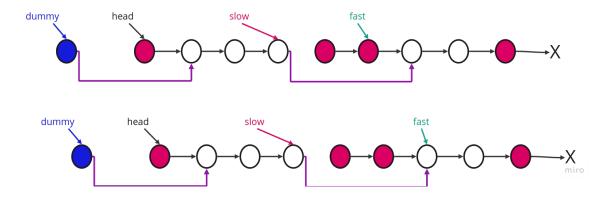
fast does not point to the node to delete:



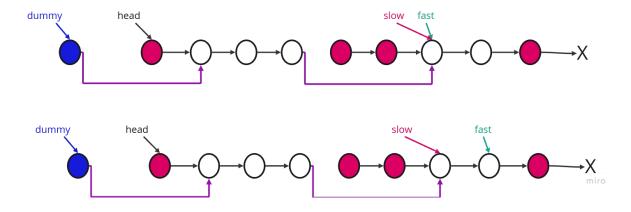
fast points to the node to delete:



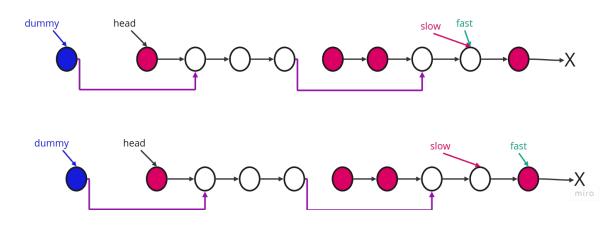
fast points to the node to delete:



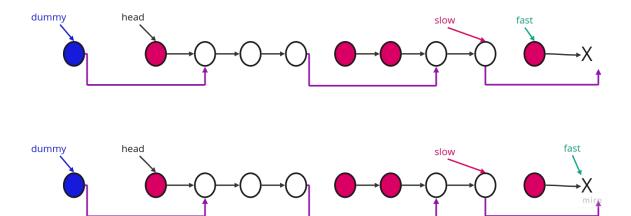
fast does not point to the node to delete:



fast does not point to the node to delete:



fast points to the node to delete:



At end the we get:

