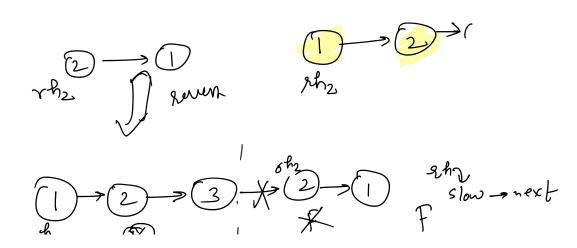


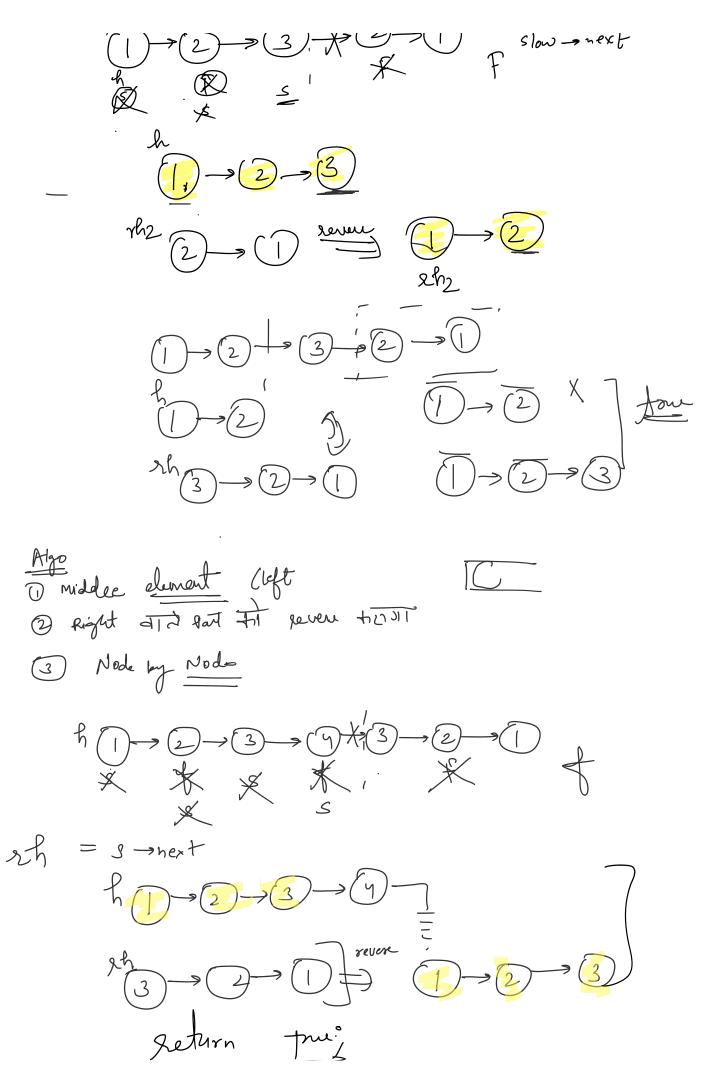
Algorithm

Middle climent find that

2 Right half of LL (fever)

Node by Node by Companison.





Classes Page 6

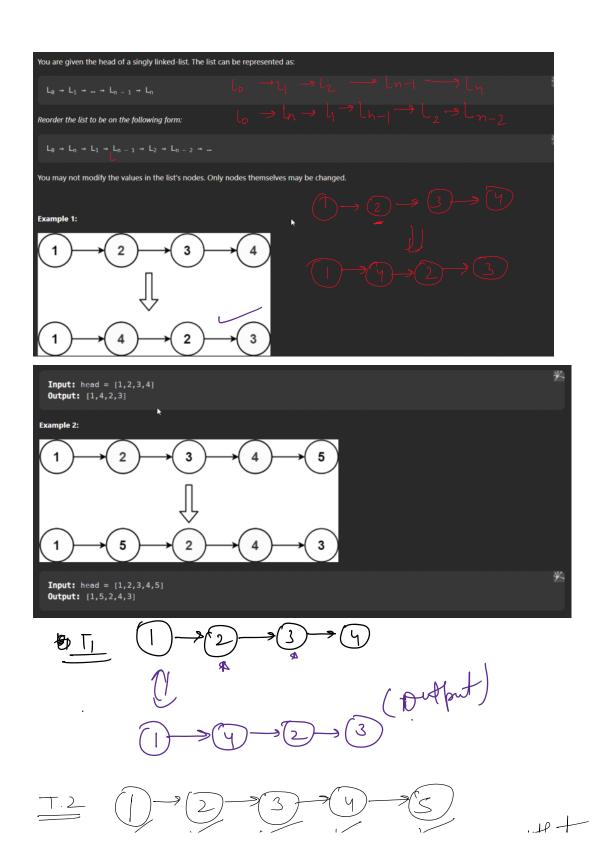
Seturn their

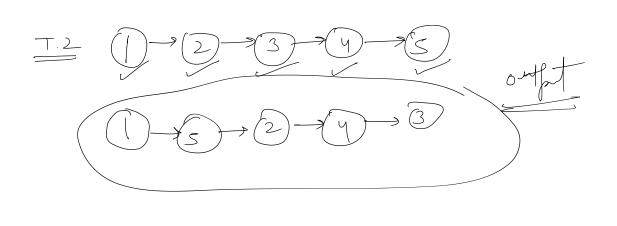
 $7. \left(-0\left(\frac{3N}{2}\right)\right)$ $5. \left(-0\left(1\right)\right)$

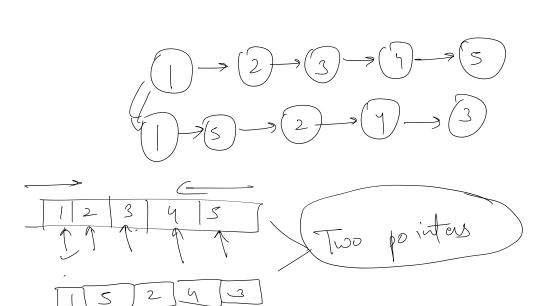
Alogorithmm

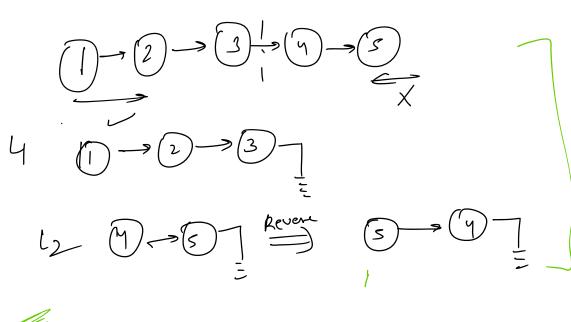
() middle elmost

Bught mide of virtued list Juven

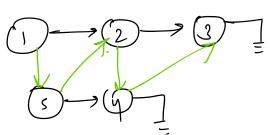








4



2 ig - 20g form

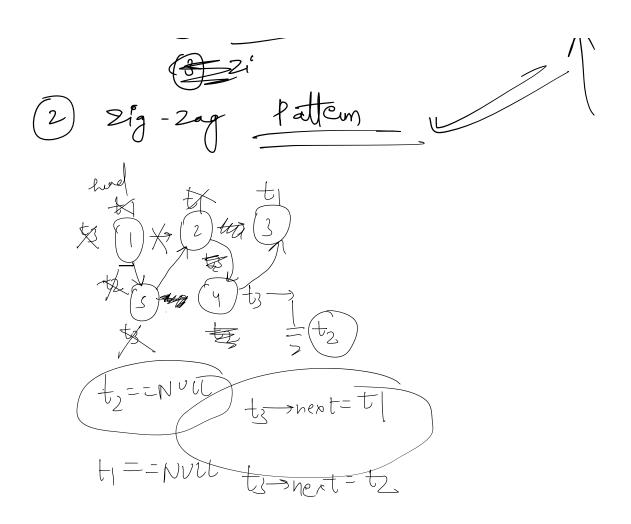
Algorithm

1 Pallindromic Linked hist

1 Middle Flement

2 Revere Fight vala part

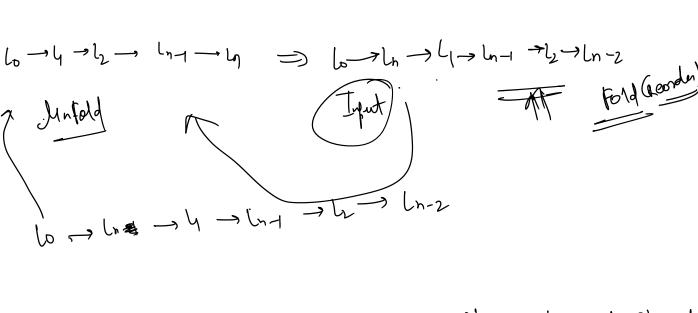
2 2'

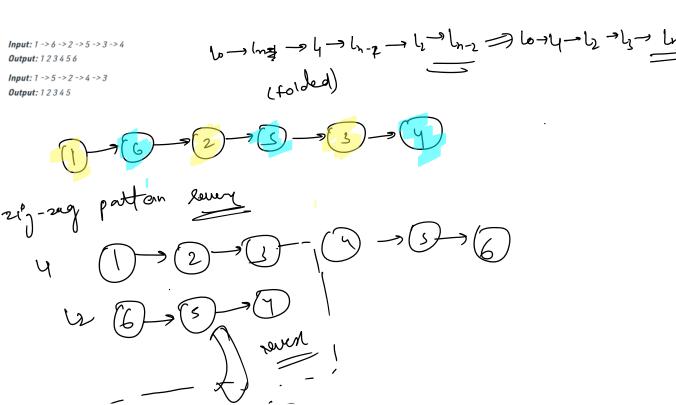


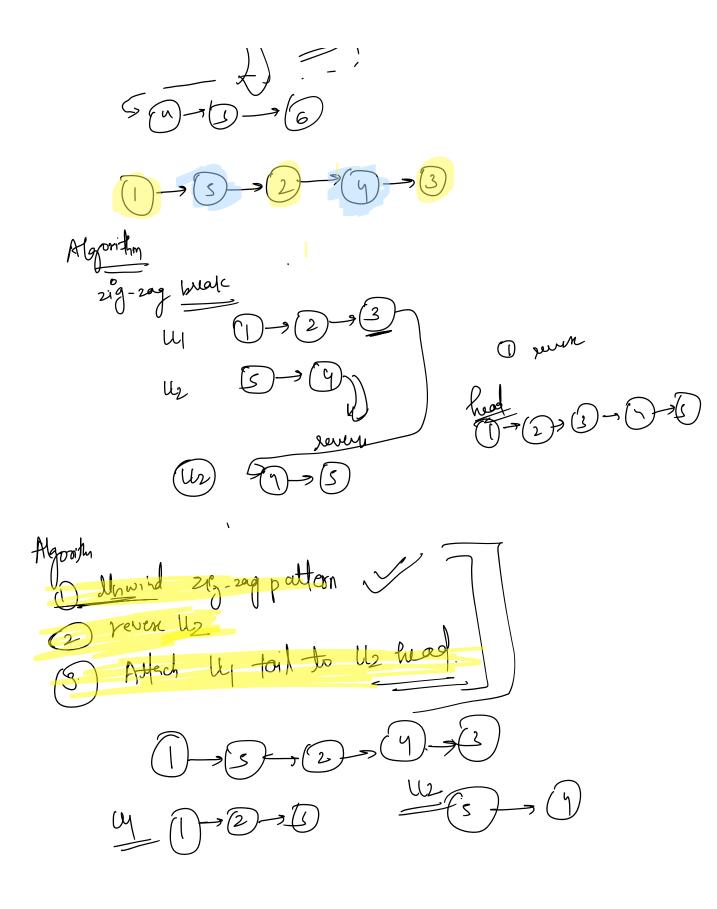
```
class Solution {
public:
// reverse code
   ListNode *curr = head,*prev = NULL,*next = NULL;
   winie(curr!= NULL){
        next = curr->next;
        curr = next;
        }
   return prev;
}

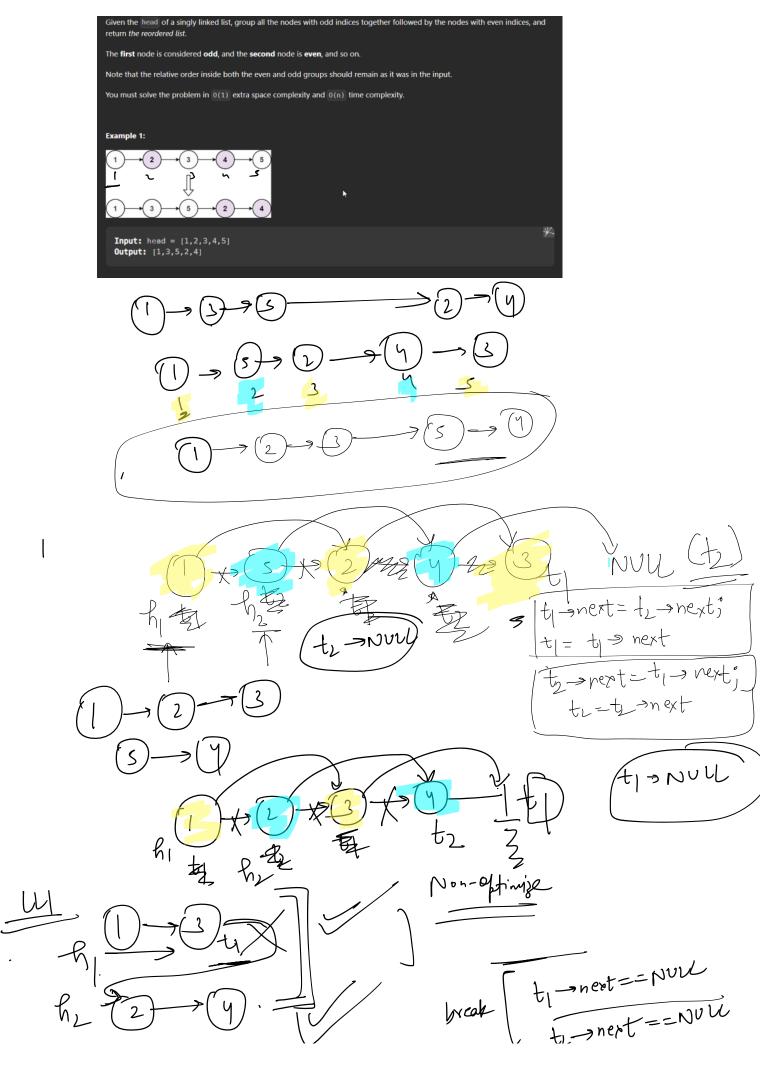
void reorderList(ListNode* head) {
   // base case
   if(head->next = NULL) return;
   // middle element
   ListNode *slow = head,*fast = head->next;
   while(fast!= NULL && fast->next != NULL){
        slow = slow->next;
        fast = fast->next->next)
}

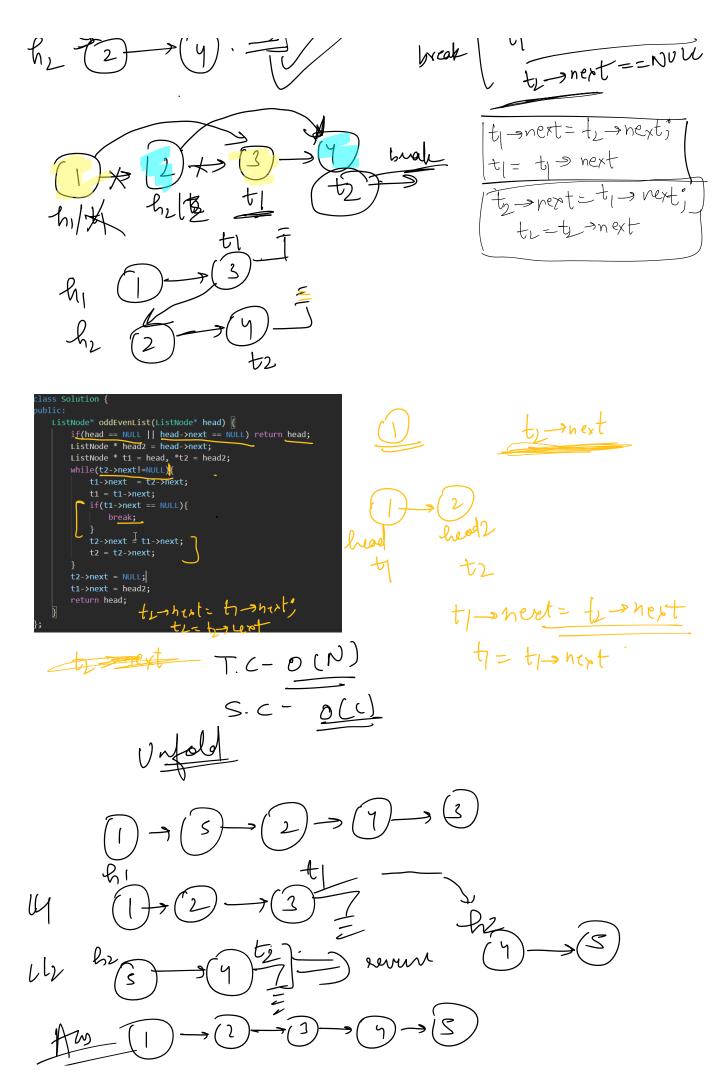
// reverse right wala part
   ListNode *T = reverse(slow->next);
   slow->next = null;
// zig zag pattern wala part
   ListNode *T = head,*t2 = h2;
   ListNode *T = had,*t2 = h2;
   ListNod
```











Jimfold

ng-rag - O(N/2) - O(N)

rew - O(N)

S. C - O(P)

Palkindromic II

Peld (Acordn)"

(3) Supple () "

(4) Orded-aren pattern ")