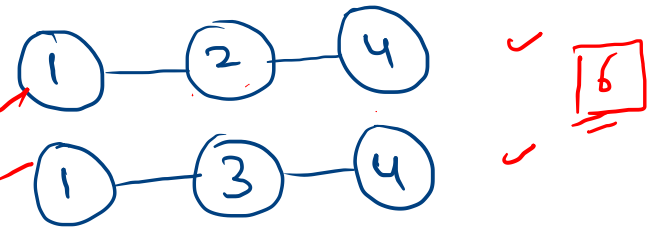
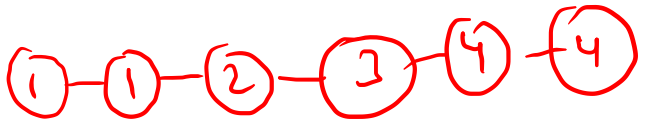
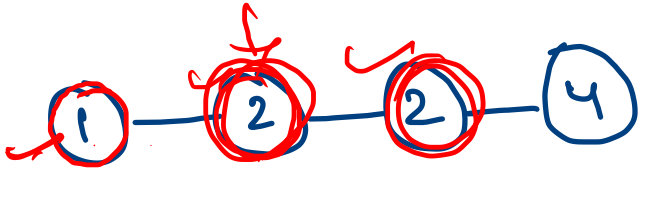
Merge Two Sorted Lists

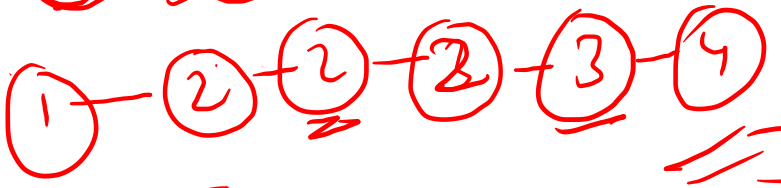
I/p: 

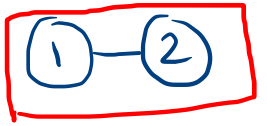
O/p: 

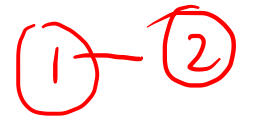
I/p: NULL, NULL

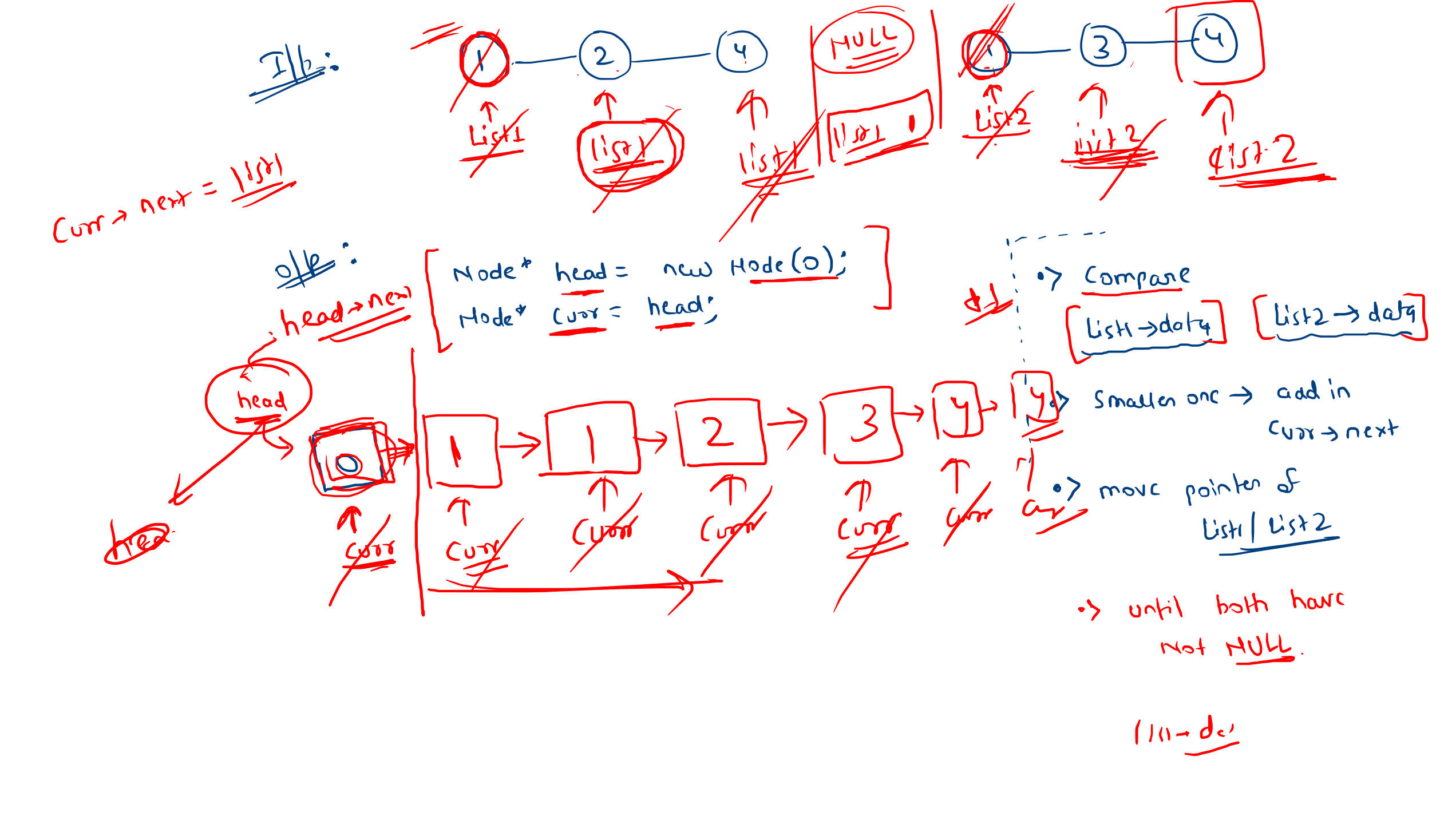
O/p: NULL

I/p: 

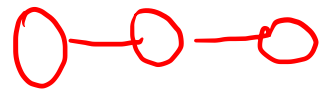
O/p: 

I/p: NULL, 

O/p: 

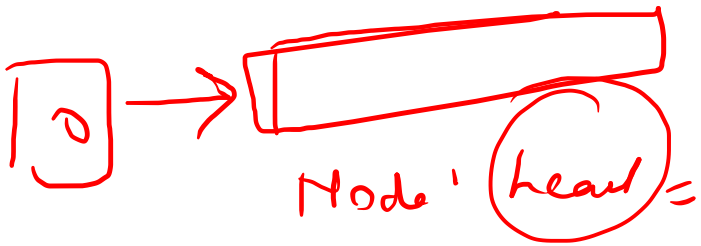

I/b:
1
2
4
NULL
List1
List1
List1
List1
List2
3
4
List2
List2
Curr → next = list1
o/p:
head → new
Node* head = new Node(0);
Node* curr = head;
head
head
0
curr
1
curr
1
curr
2
curr
3
curr
4
curr
4
curr
-> Compare
List1 → data
List2 → data
-> Smaller one → add in curr → next
-> move pointer of List1 / List2
-> until both have Not NULL.
Time - de

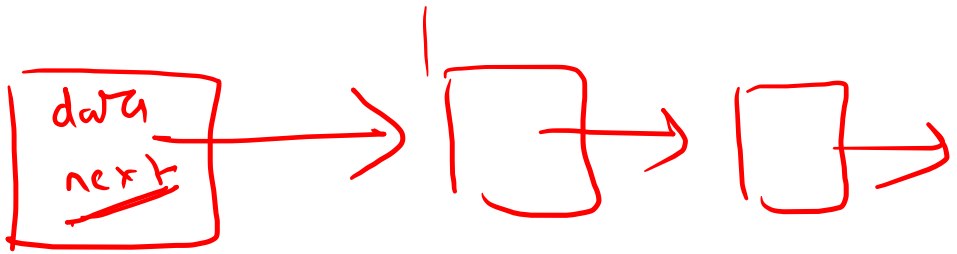
Node * head = NULL

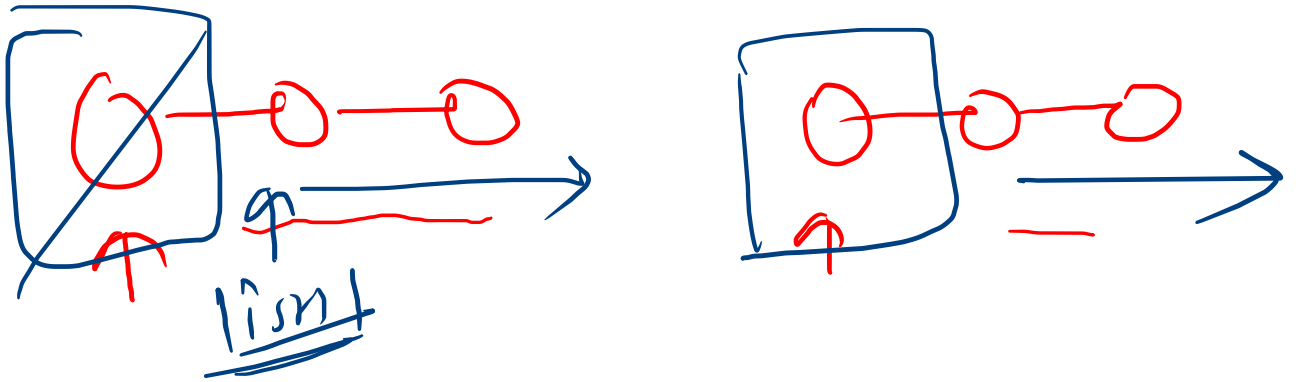


list1

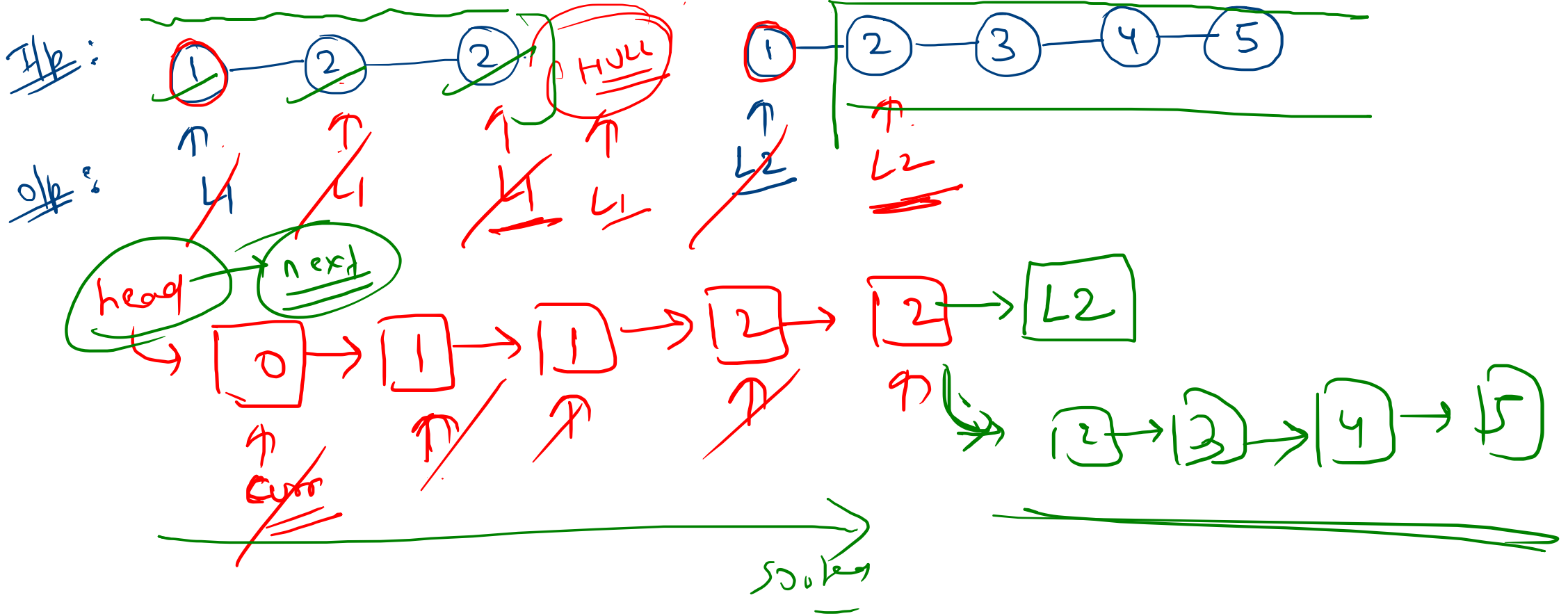
list2







Node * head = list


I/p :
1
2
2
NULL
1
2
3
4
5
O/p :
L1
L1
L1
L2
L2
head
next
0
1
1
2
2
L2
curr
2
3
4
5
So, 1