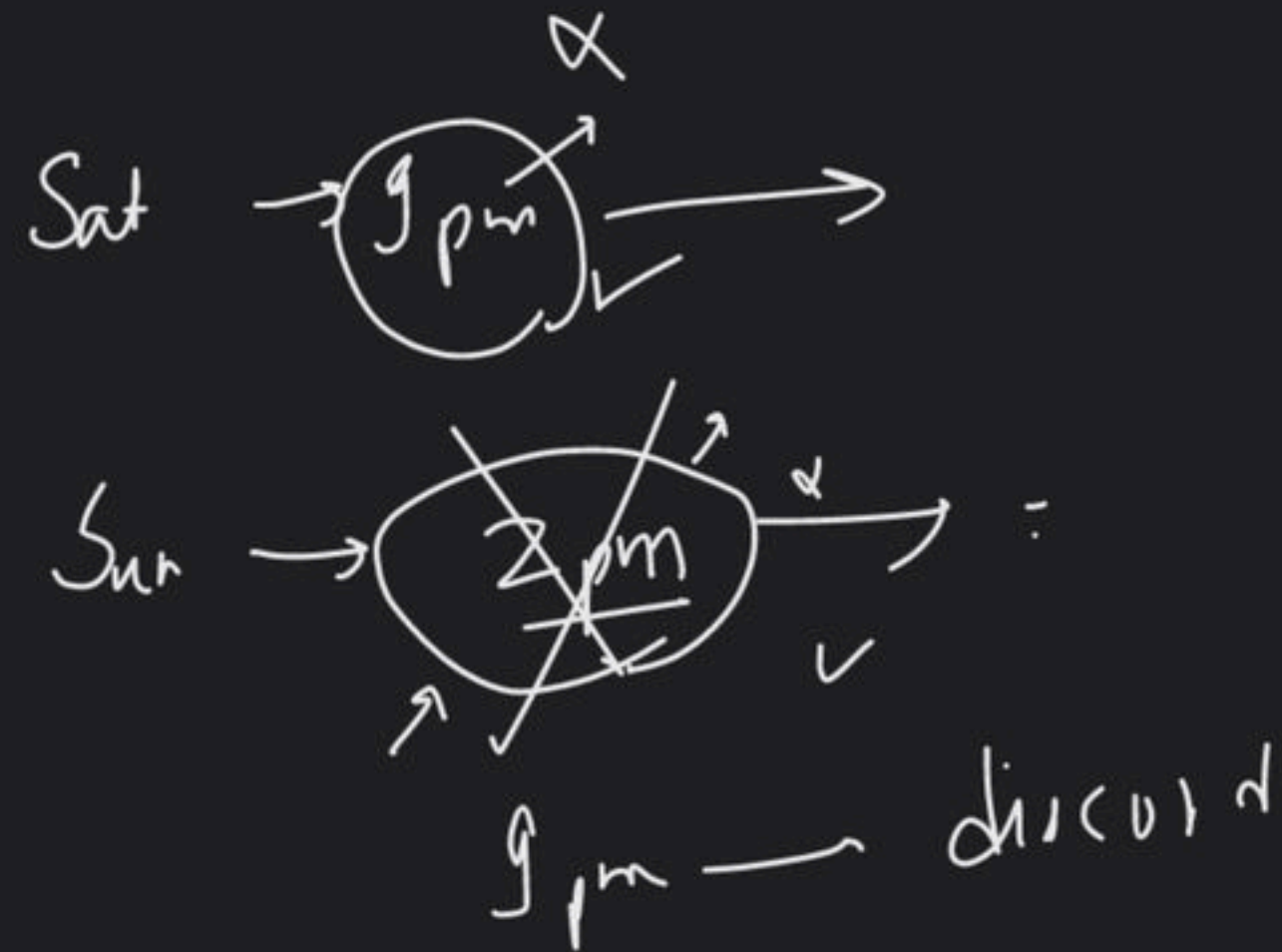


Linked List Class-3

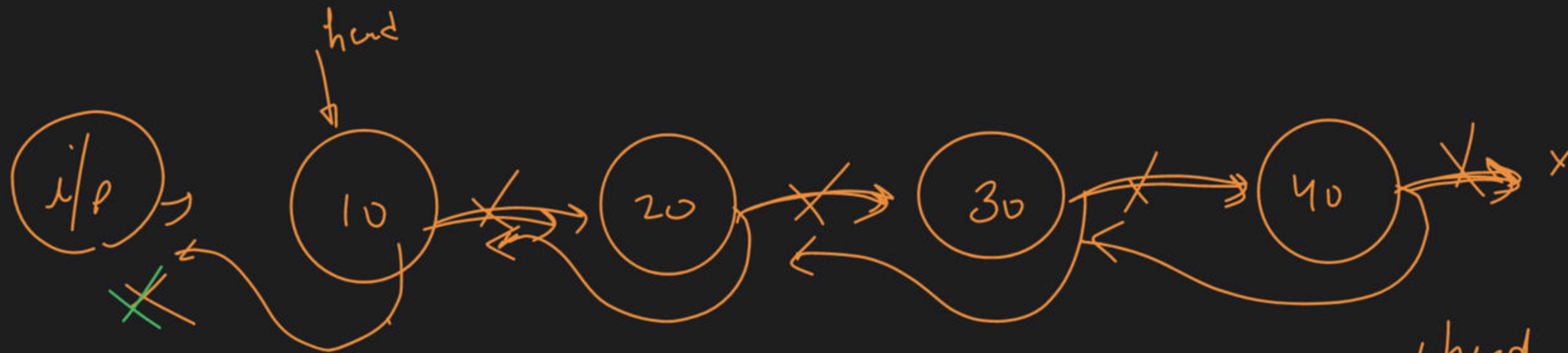
Special class

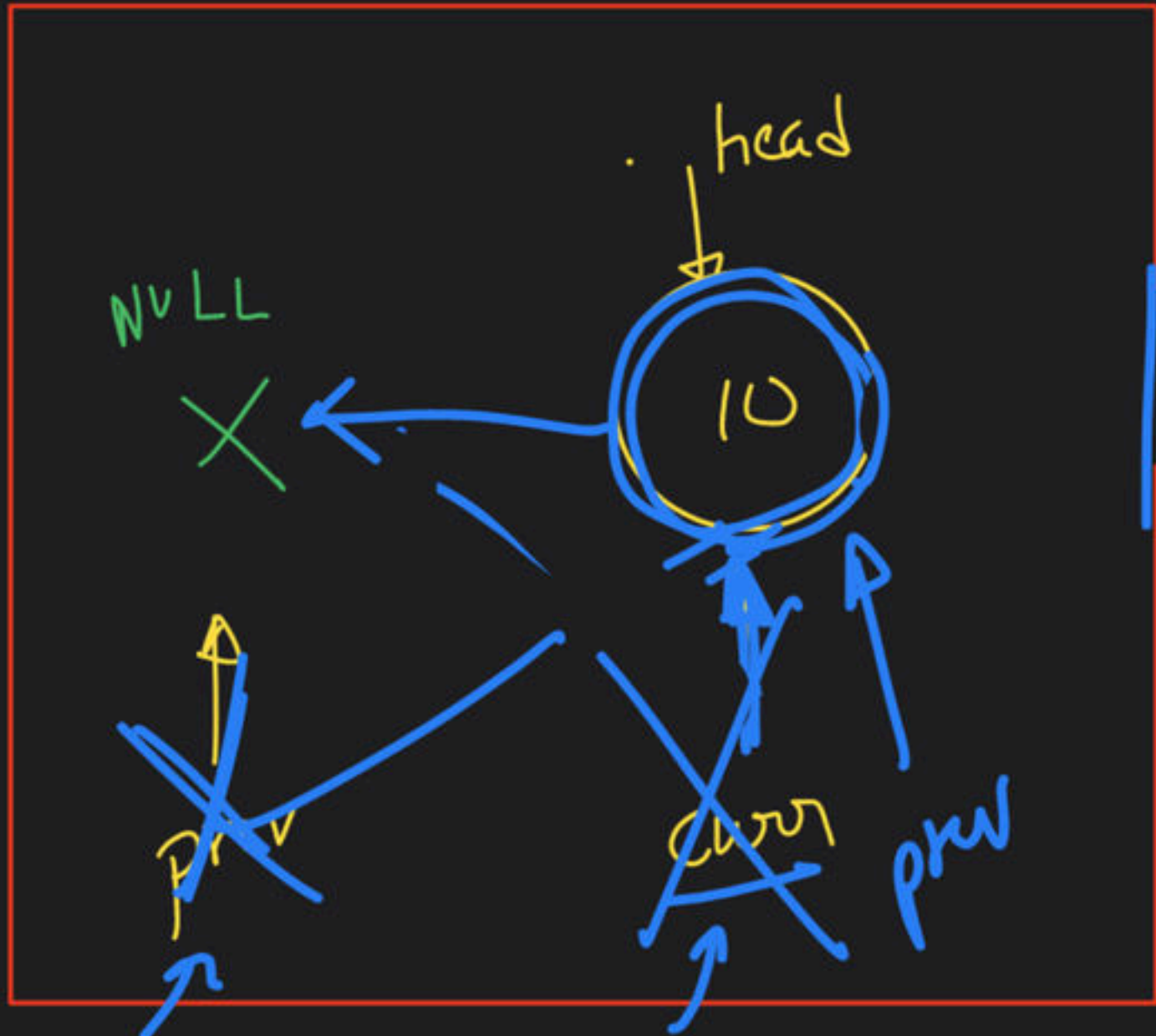


→ Reverse a L.L

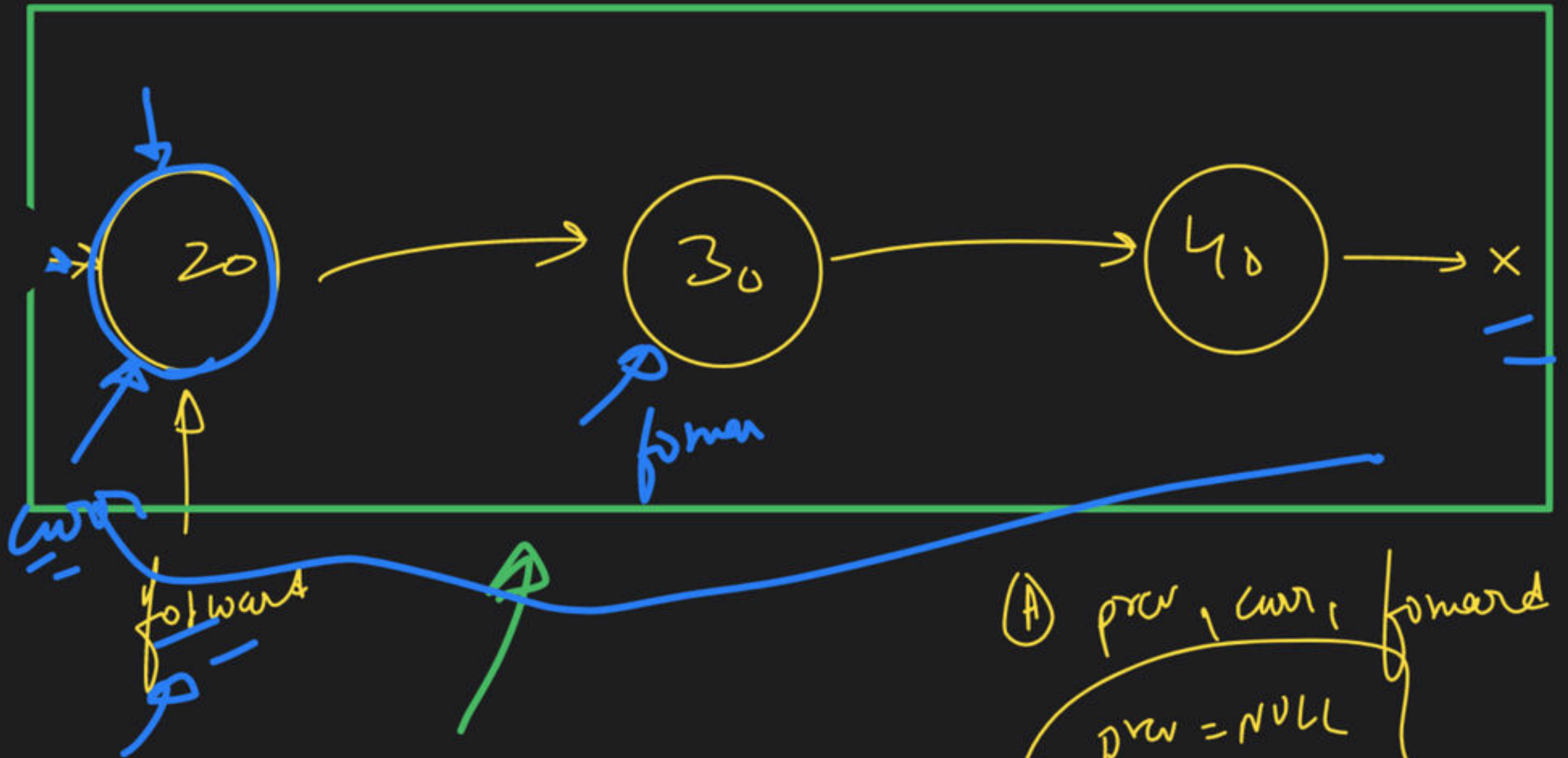
iterative

recursive



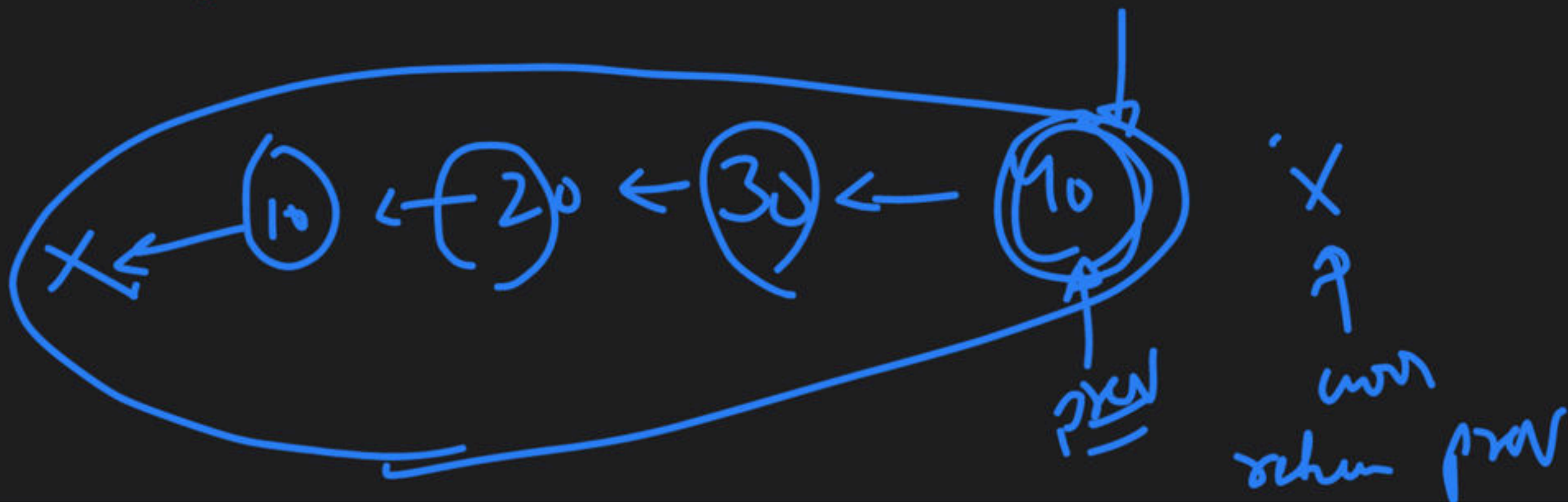


meri jimme dari

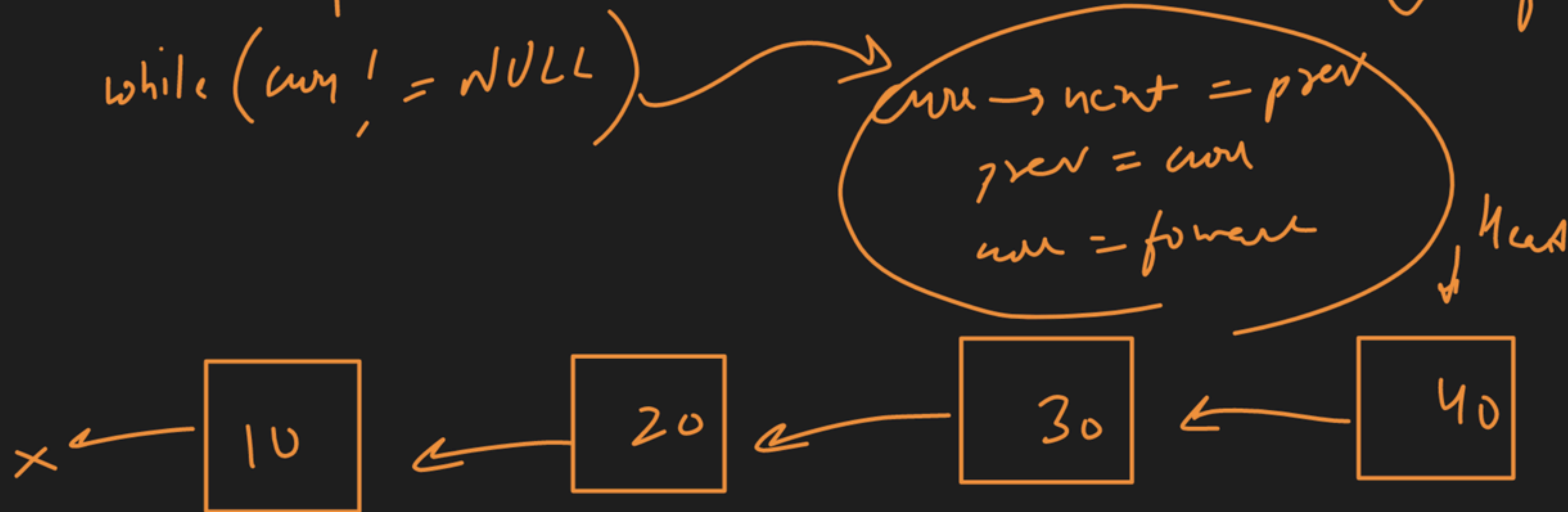
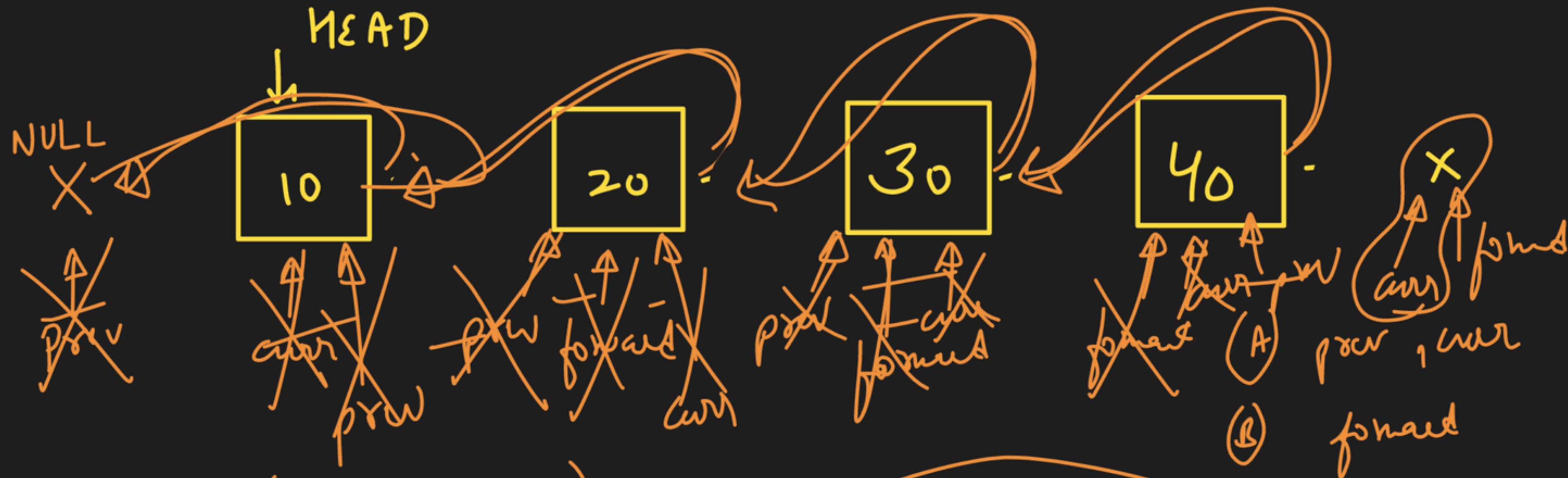


reversion

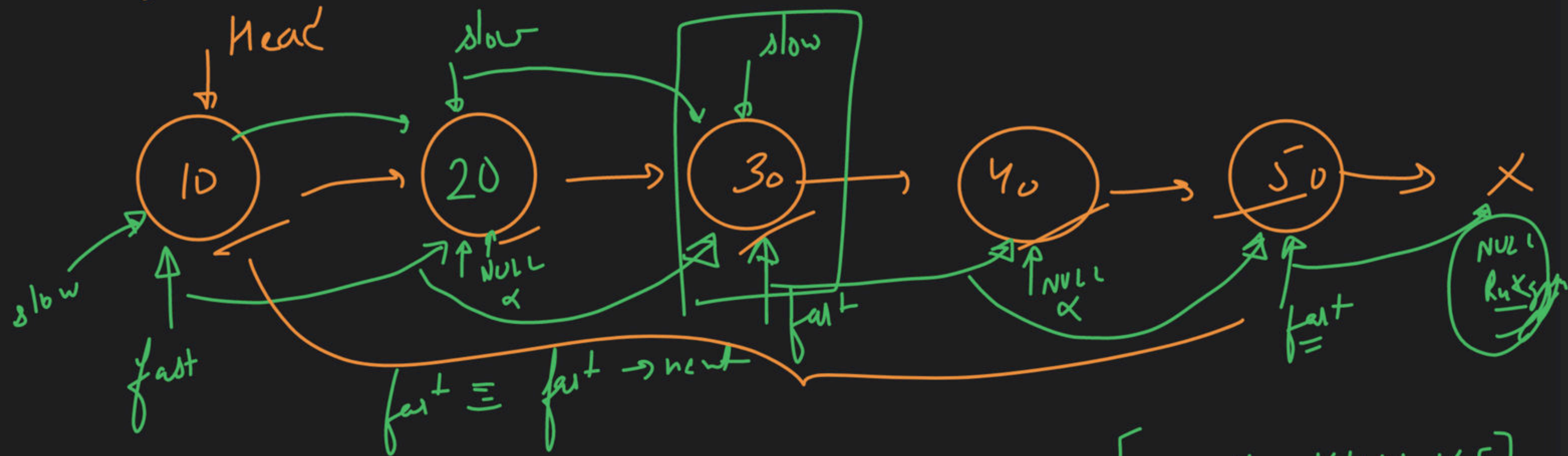
(A) prev, cur, forward
 $prev = NULL$
 $cur = head$
 $forward = cur \rightarrow next$



$cur \rightarrow next = prev$
 $prev = cur$
 $cur = forward$

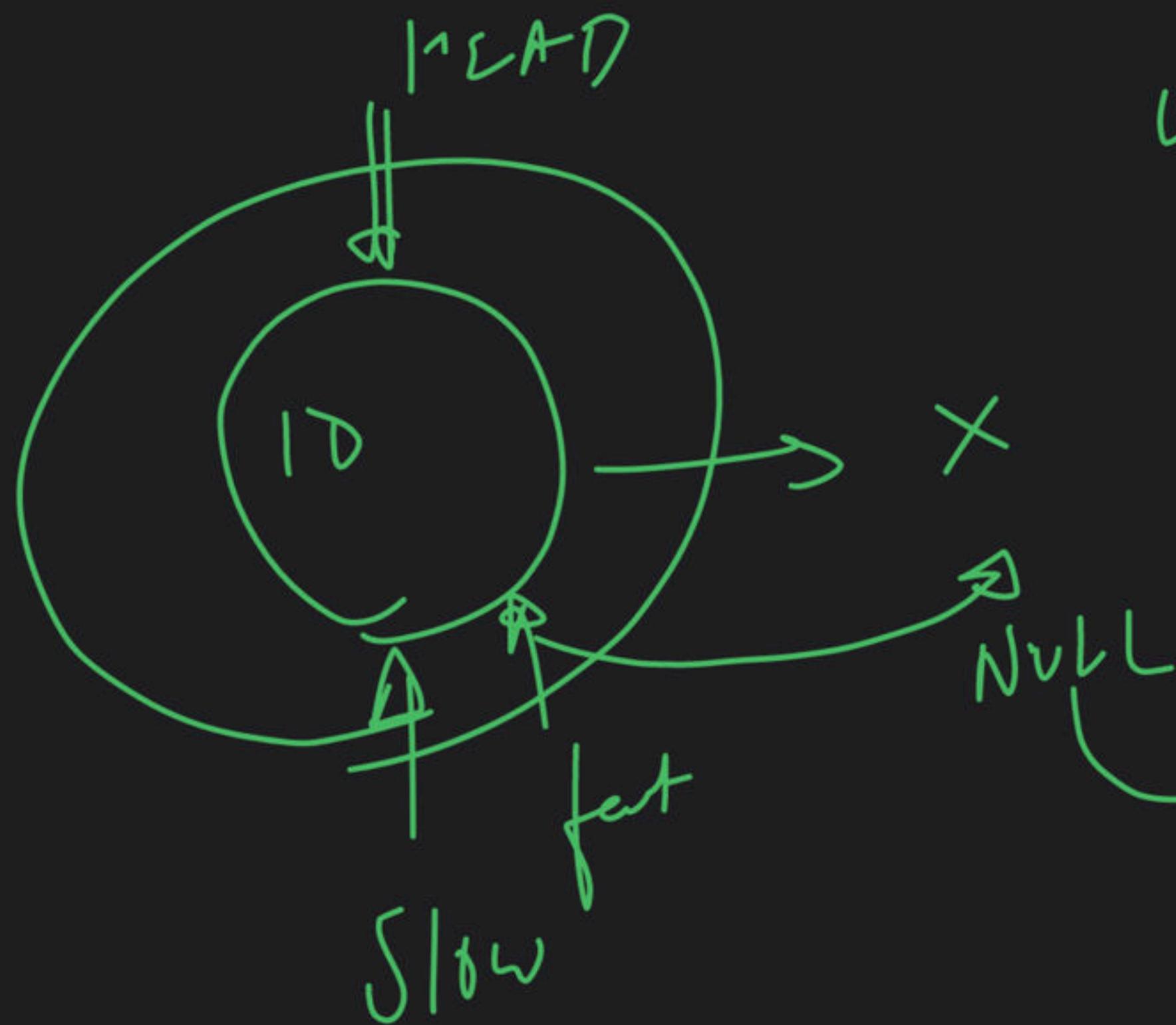


→ find the middle node of L.L



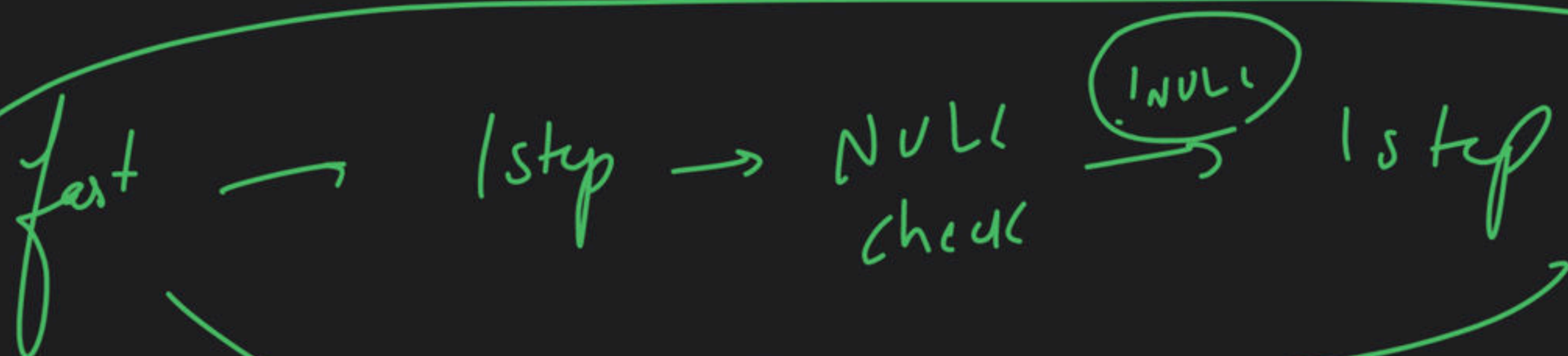
rabbit \rightarrow fast \rightarrow 2 step [aahke KHOLKE]

Kachua \rightarrow slow \rightarrow 1 step



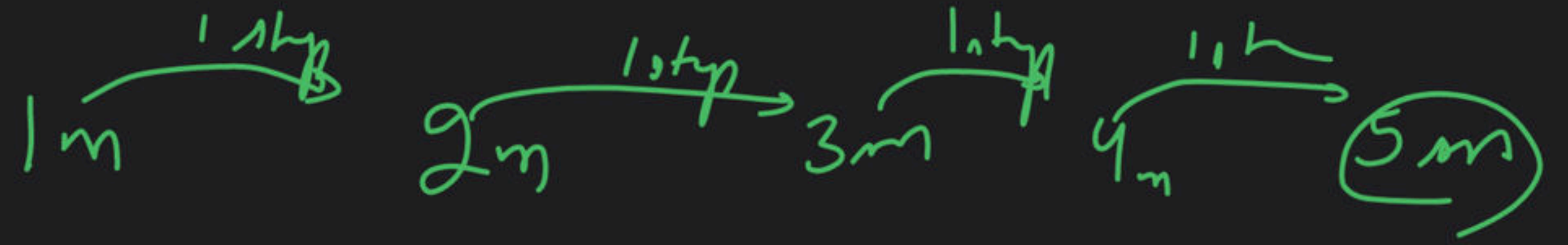
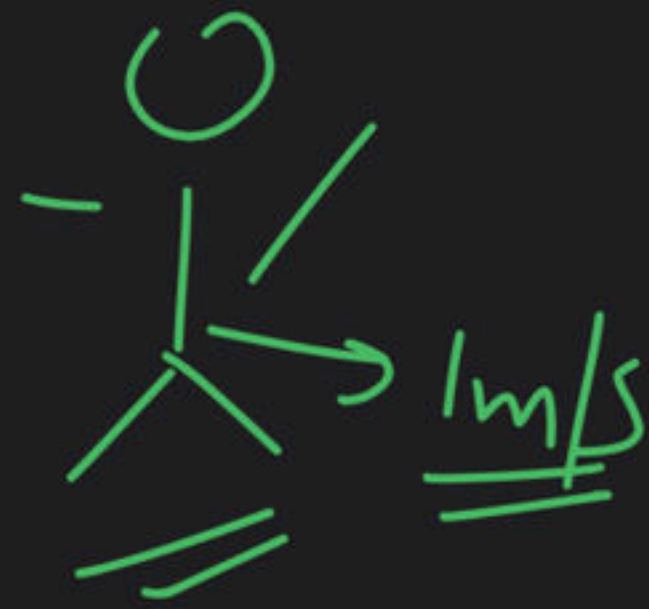
While (fast != NULL) {
 slow = slow->next;
 fast = fast->next->next;
}

Return slow



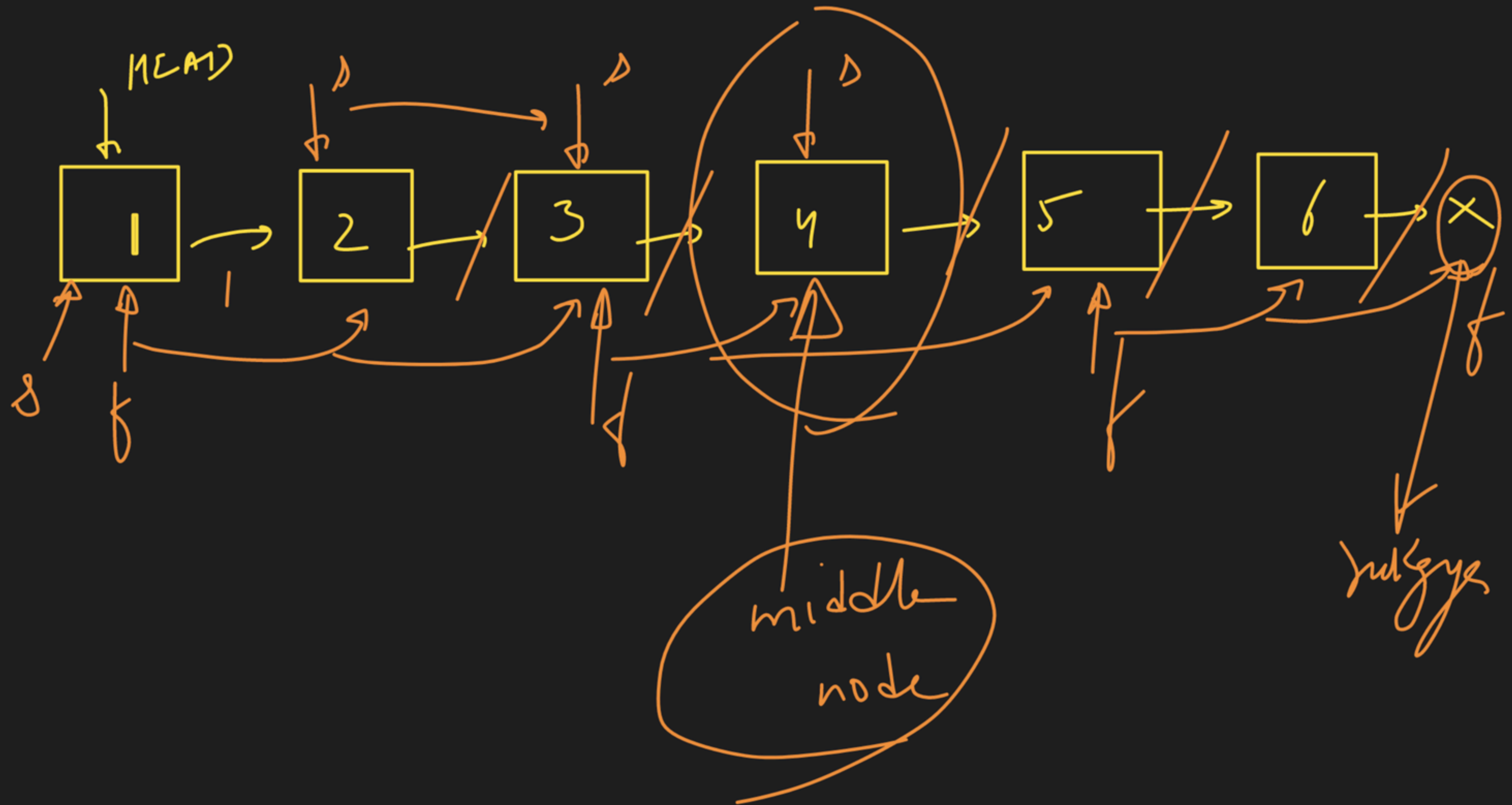
if fast \rightarrow 2 step complete

\rightarrow slow \rightarrow 1st step



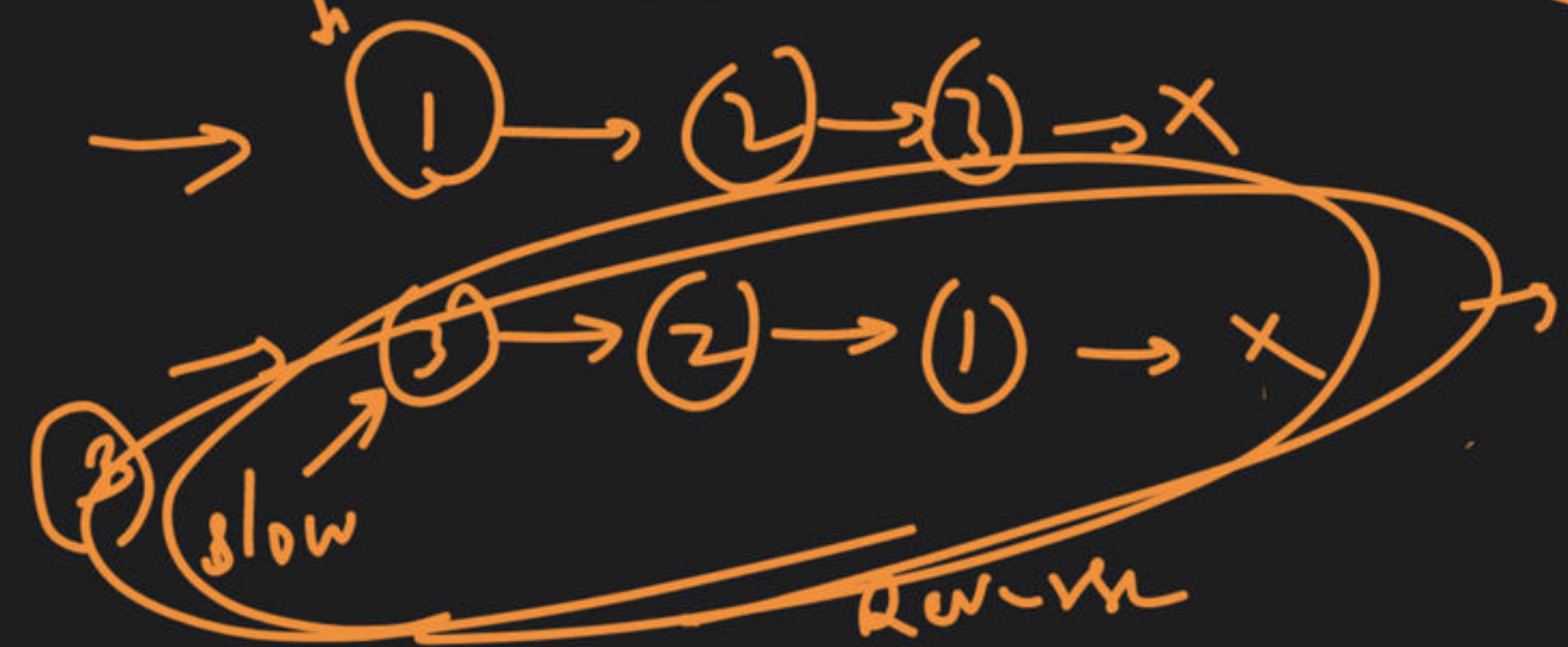
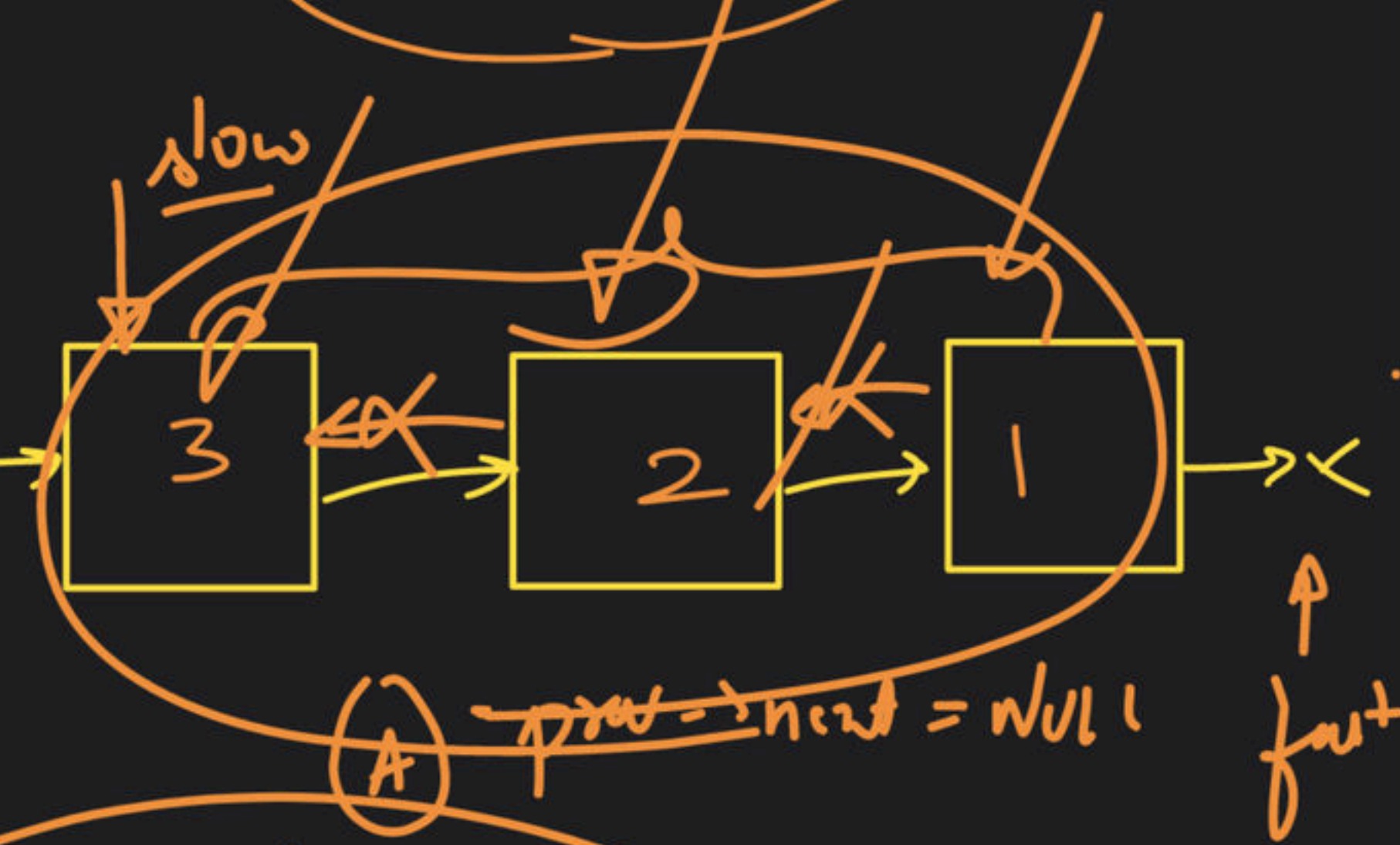
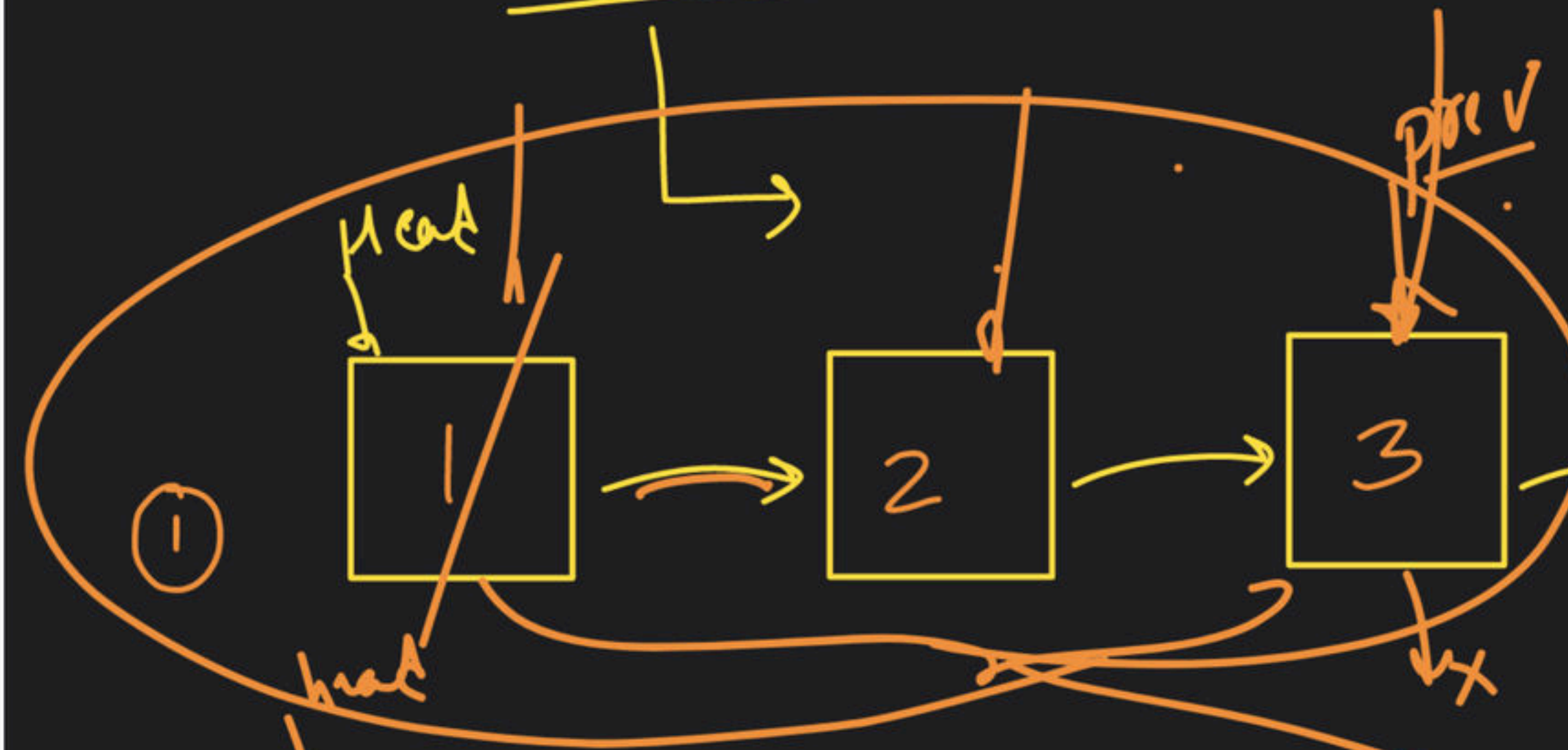
after 1 sec after 1 sec after 1 sec after 1 sec after 1 sec



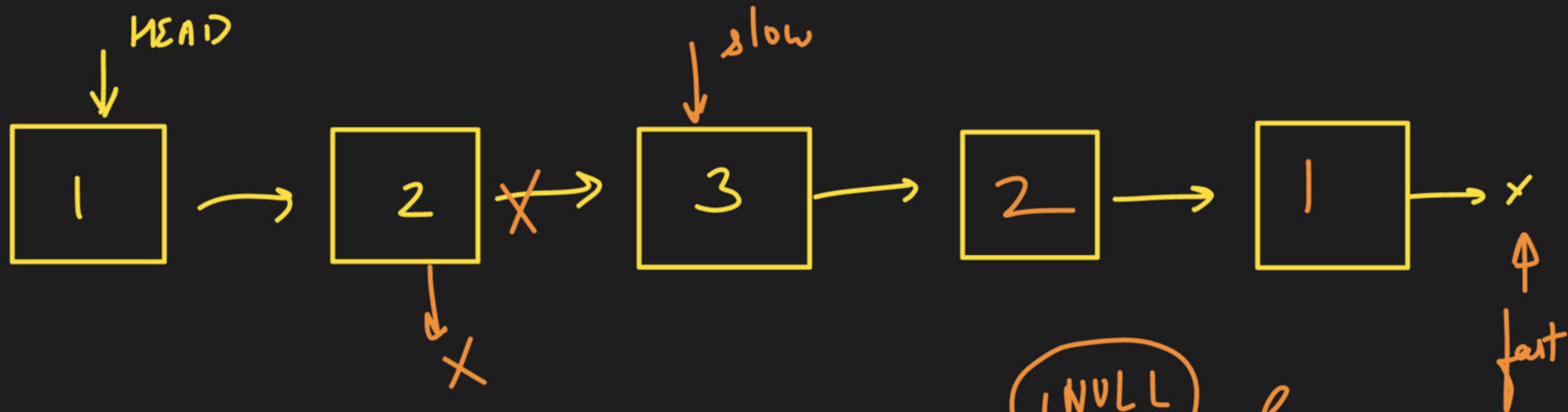


→ Palindrome

2 min



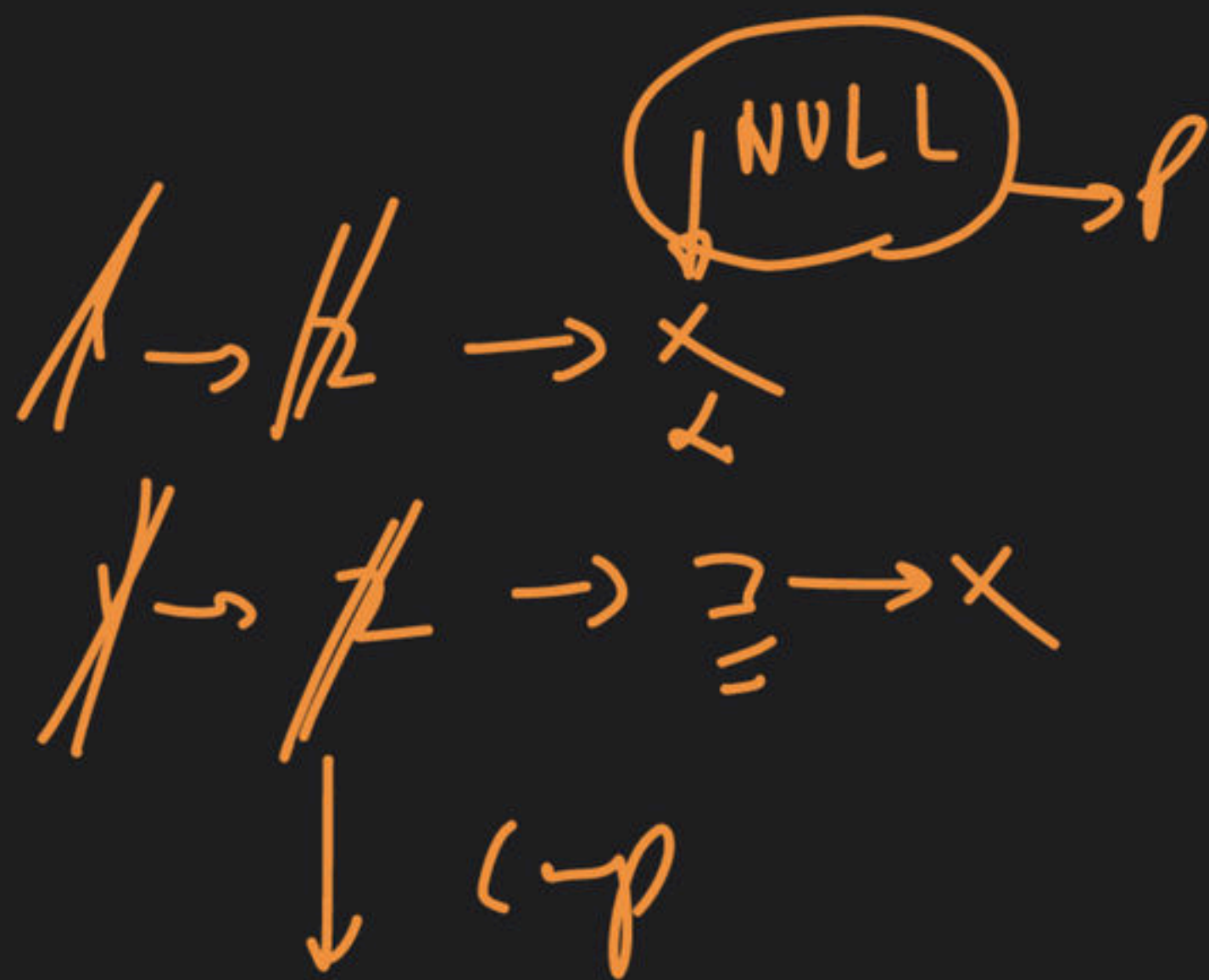
(C) compare equal → T
 ; eq → F

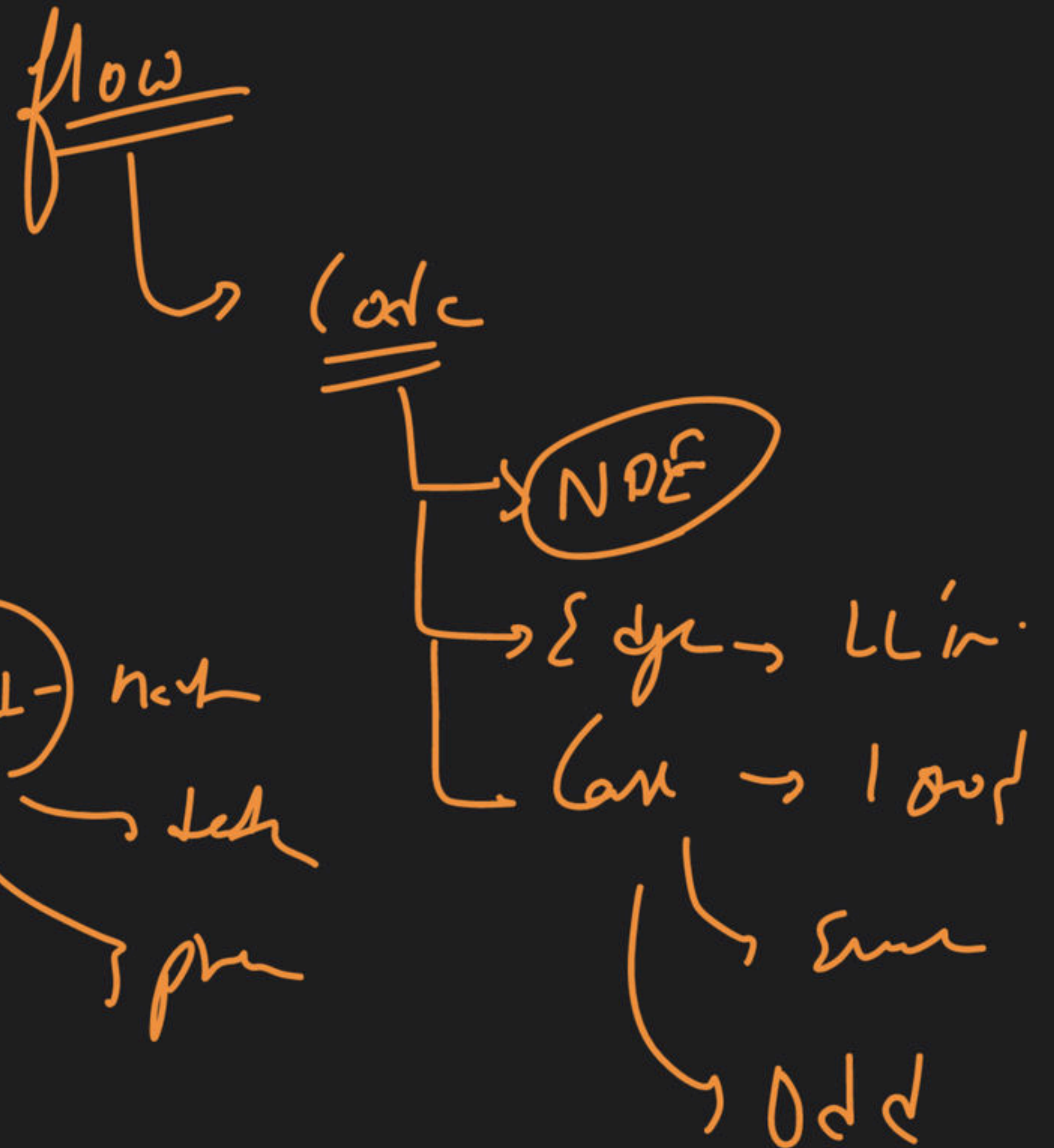
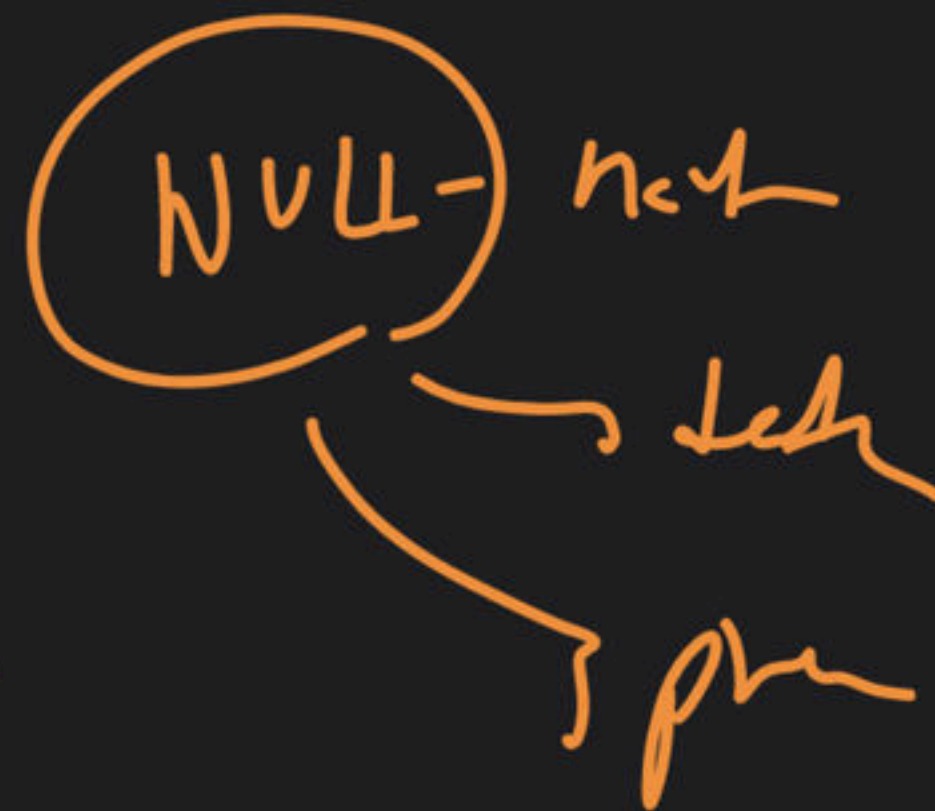
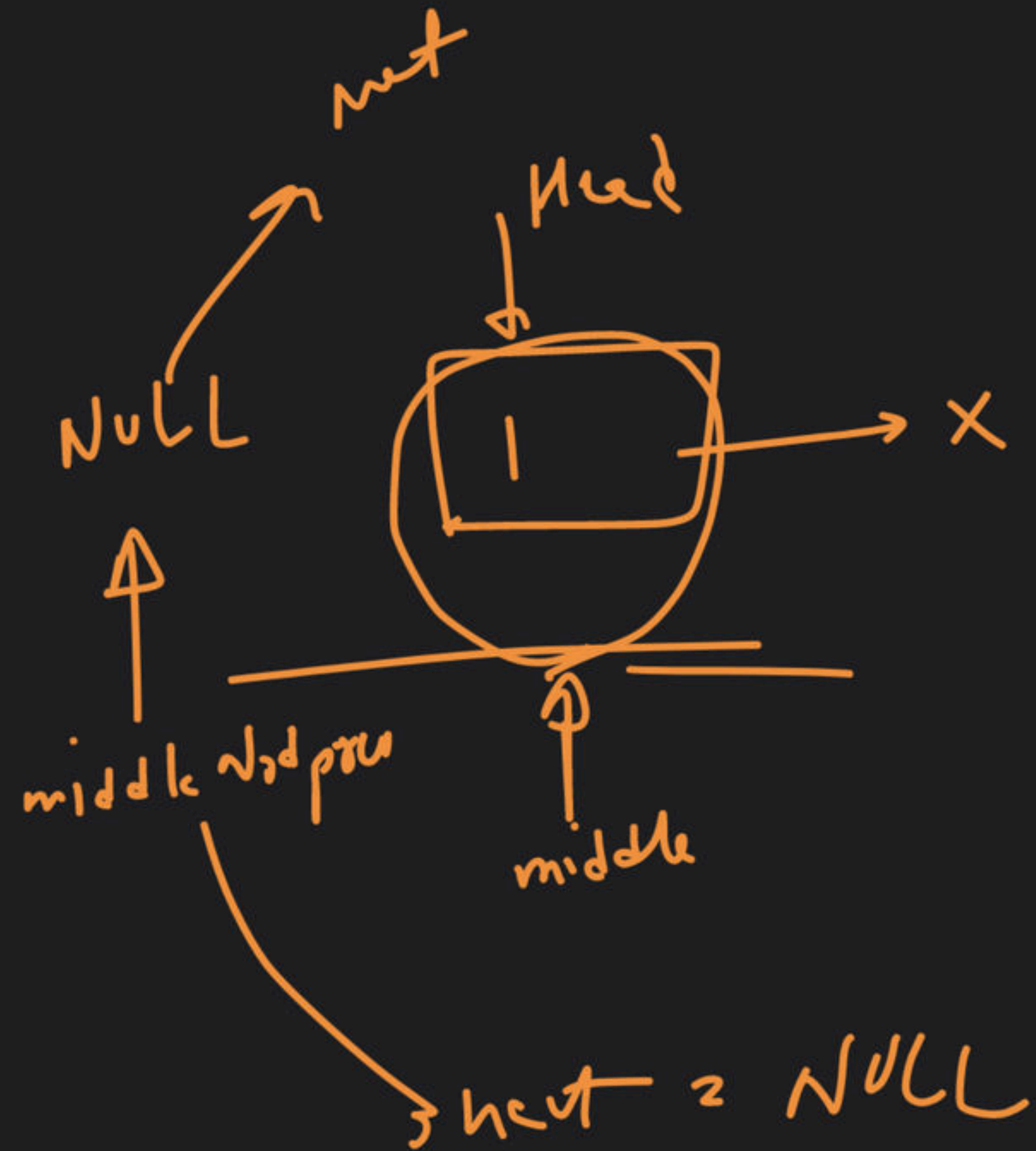


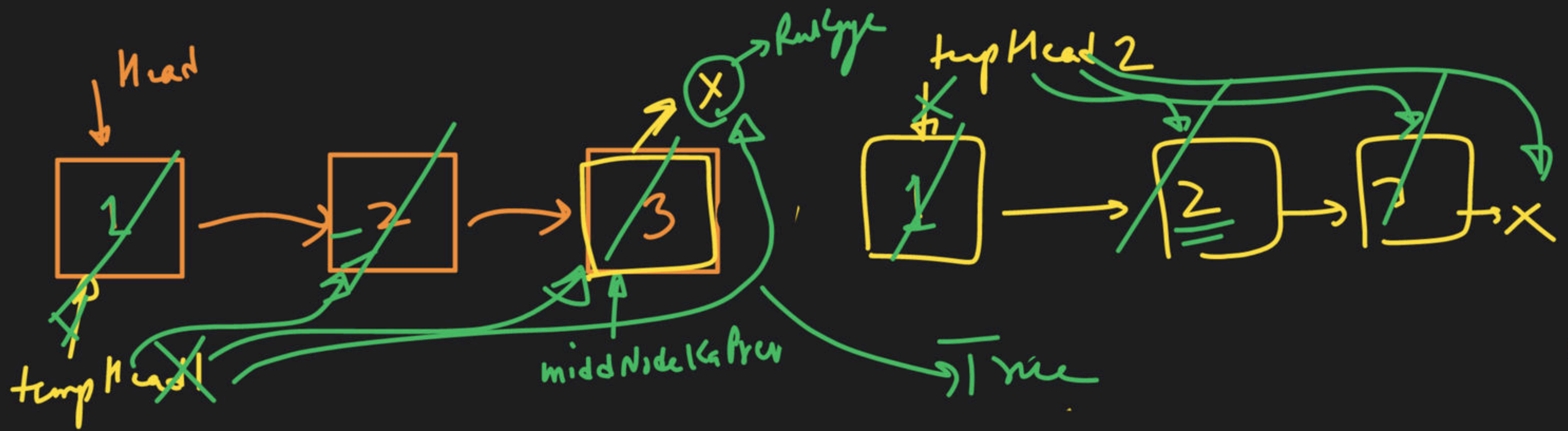
1 → 2 → X

3 → 2 → 1 → X

Rev →







Step 1 → find middle Node / middle Node K's Prev & Break

middle Node K's Prev → next = NULL

Step 2 → reverse second half LL

Step 3 → compare

we will continue , aage K Question

Kal raat

8:30 pm

Bye Bye → Love you all
fin 