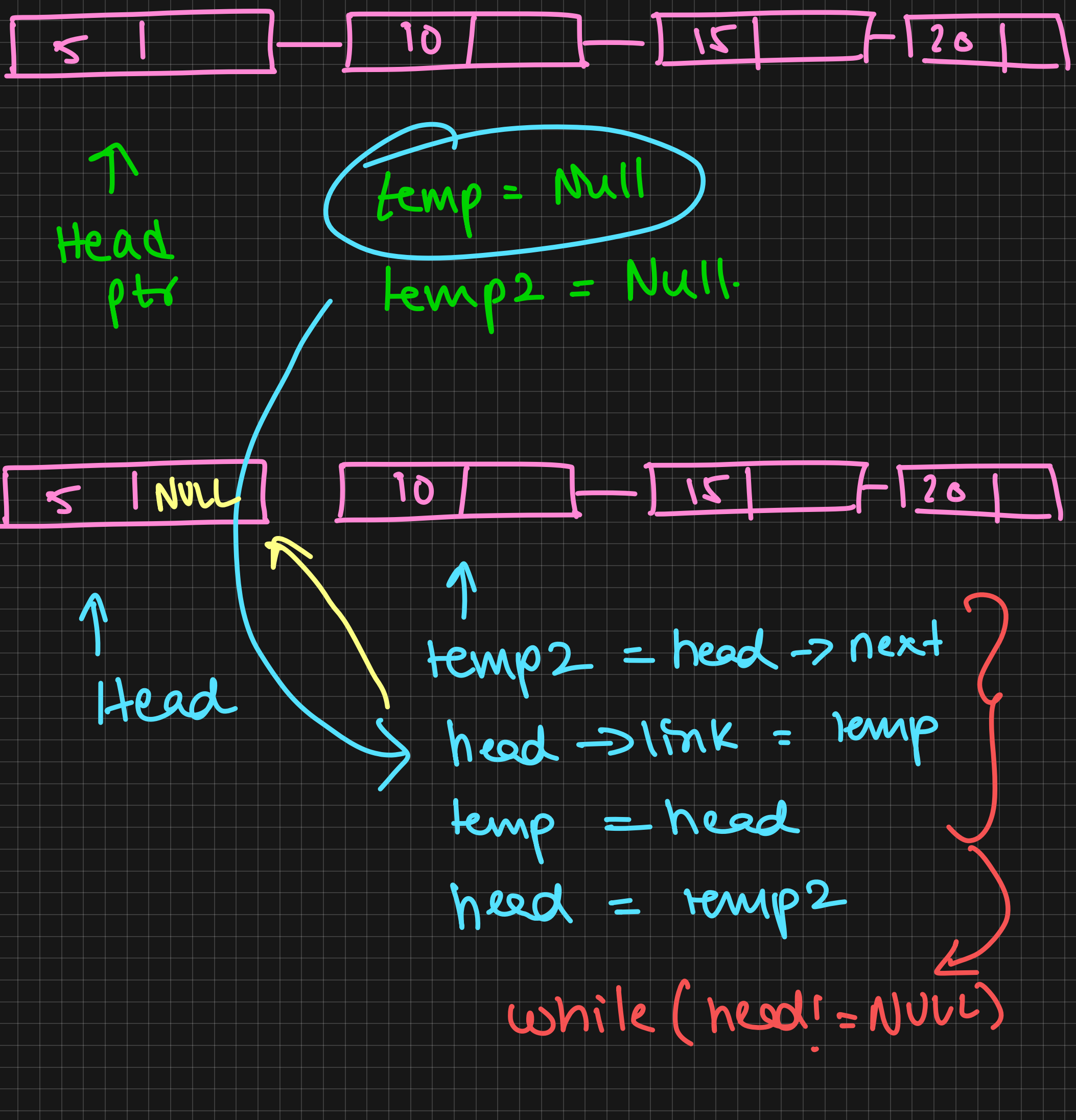
LeetCode #206

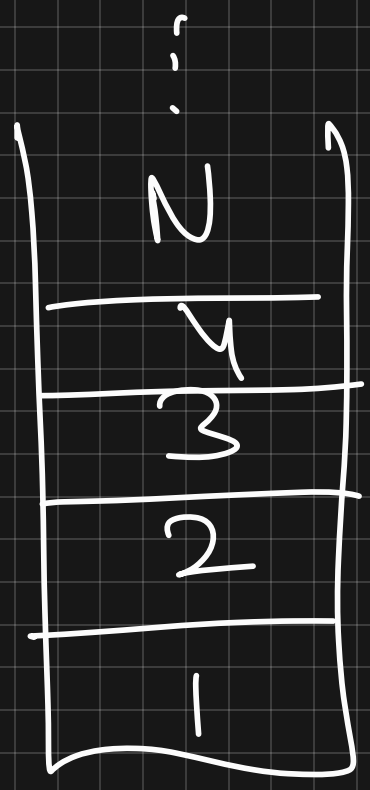
(Day - 3)

☆ Reversing Singly Linked List.

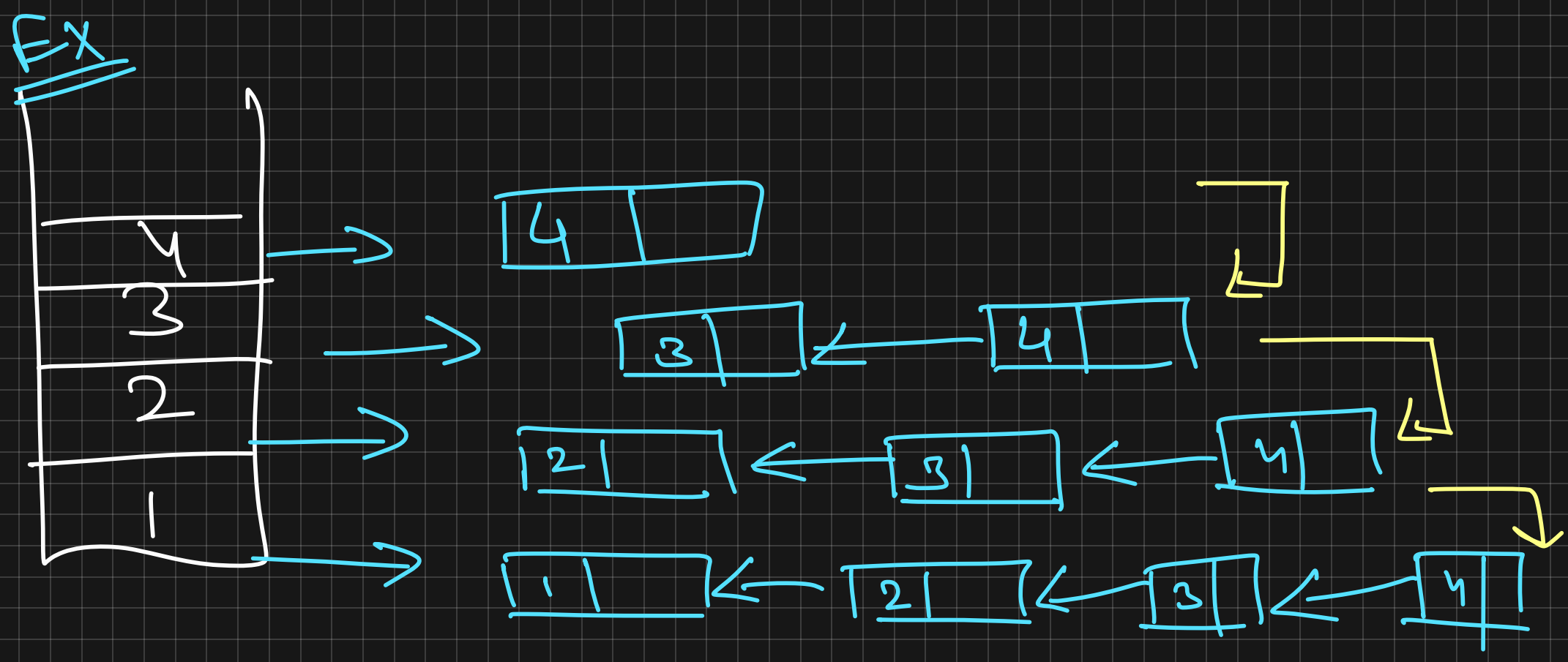


Recursive method:

We assume its a Heap Stack / Stack.



We also assume that on each level of the stack, the current node will become a head and will recieve a already reversed Linked List.



Intermediate Steps

Example

on level '2's

It shall recieve a revesed LL from its upper level.

So now '2' wants 3 to point to it and wants to remove its pointer, so that '2' doesn't point to anyone. How does it do that?

Let Head = 2

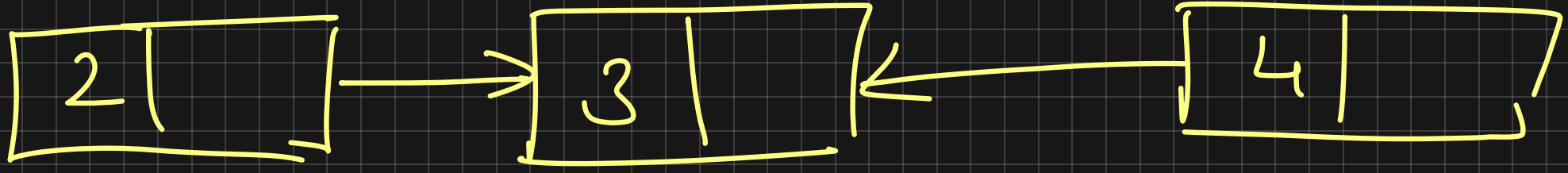
then head->next will be 3.

So, head -> next -> next will be the element Node '3' will point. So, with the help of.

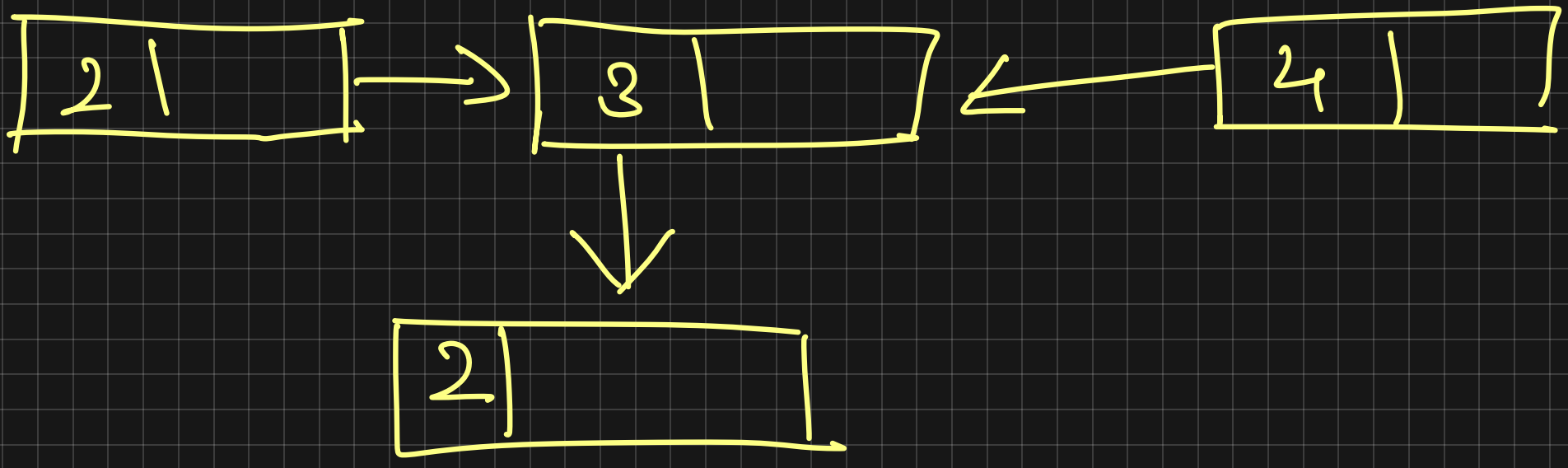
head -> next -> next = head;

head. next = NULL;

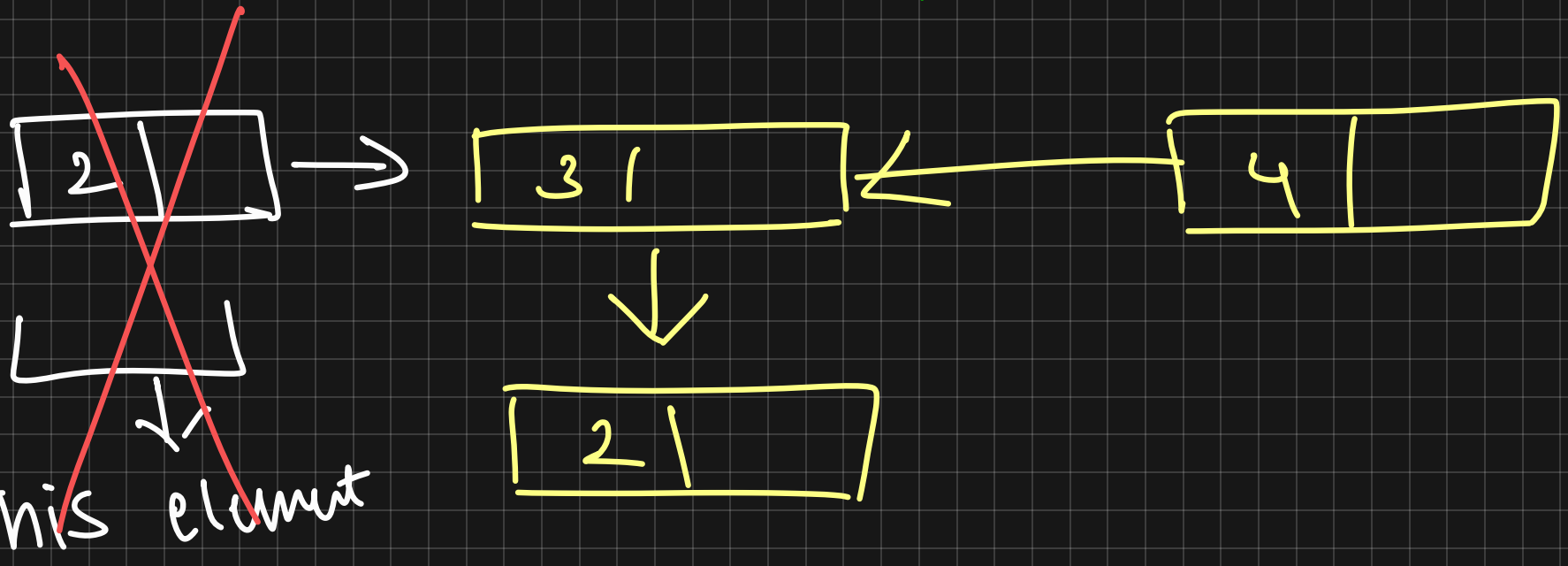
Basically,



head -> next -> next = head;



head->next = NULL



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