

Linked List - I

Foundation Course on Data Structures & Algorithm - Part I

- Linked List: Linear data structure La colliction of hodes 2 in Kud

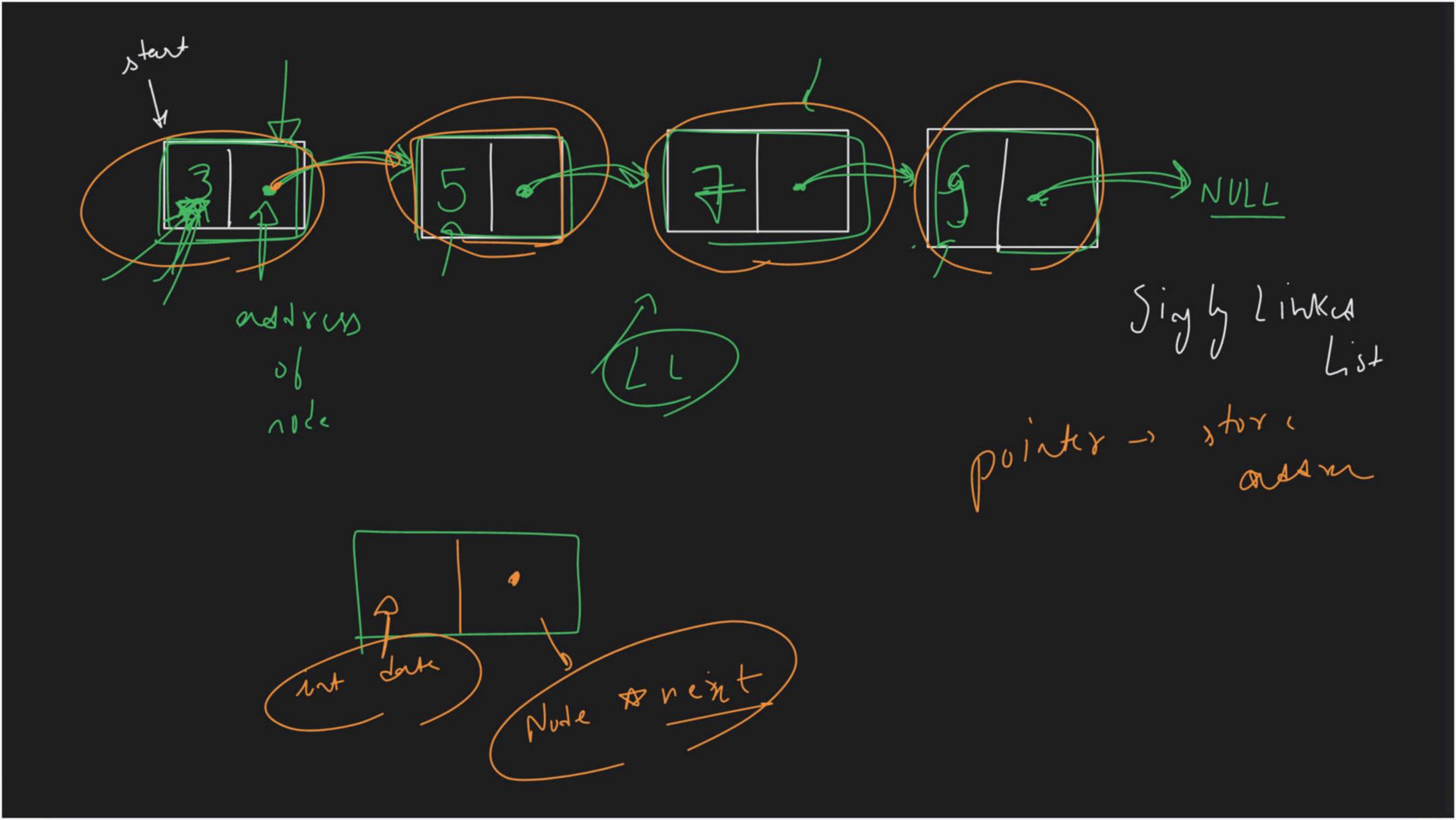
int node Aptr > point it pricat

30 30

donsk #t

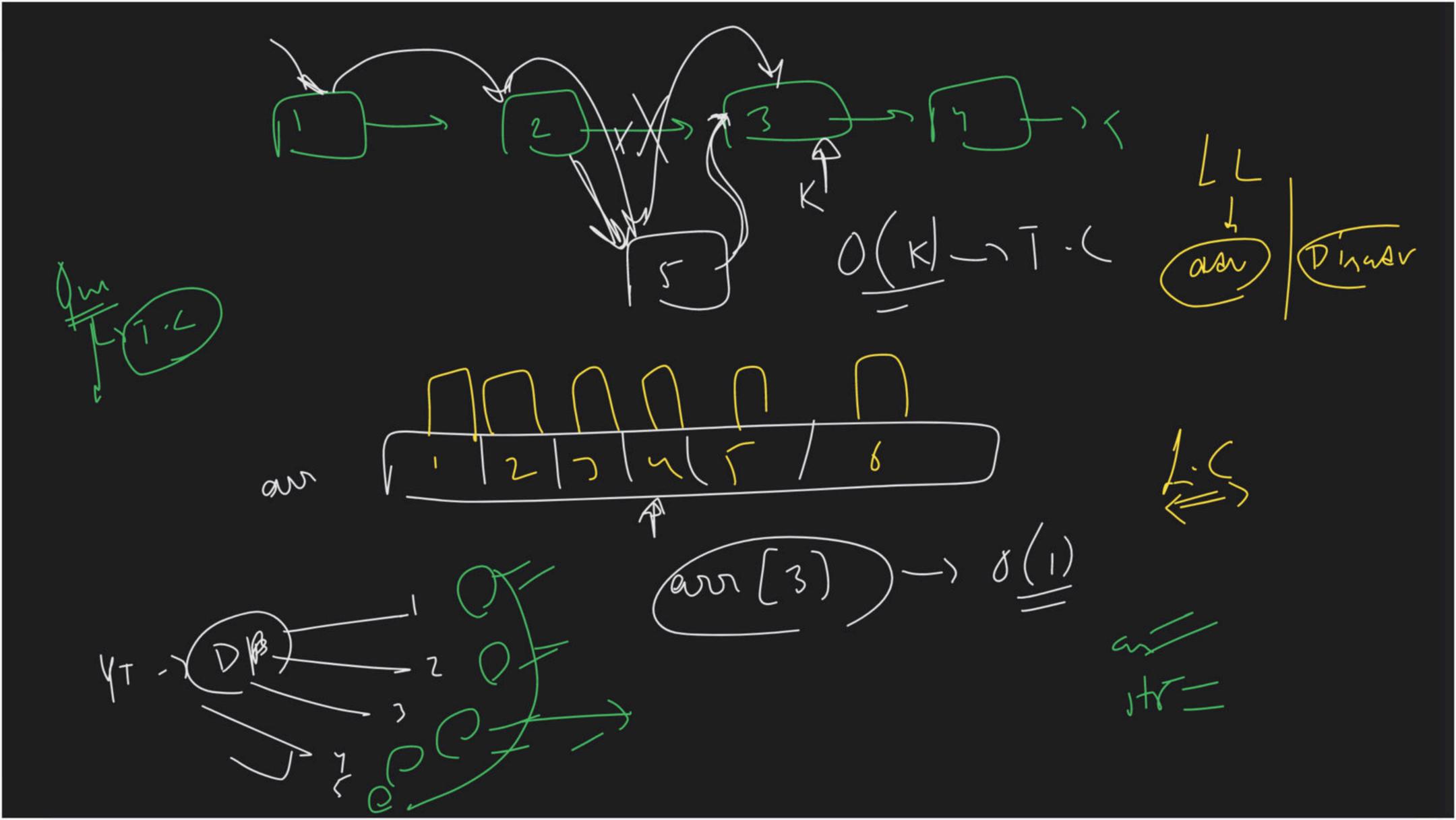
int *ptr

Node class Noder next;



new) Node (), Mod 2/1/8 addrus)

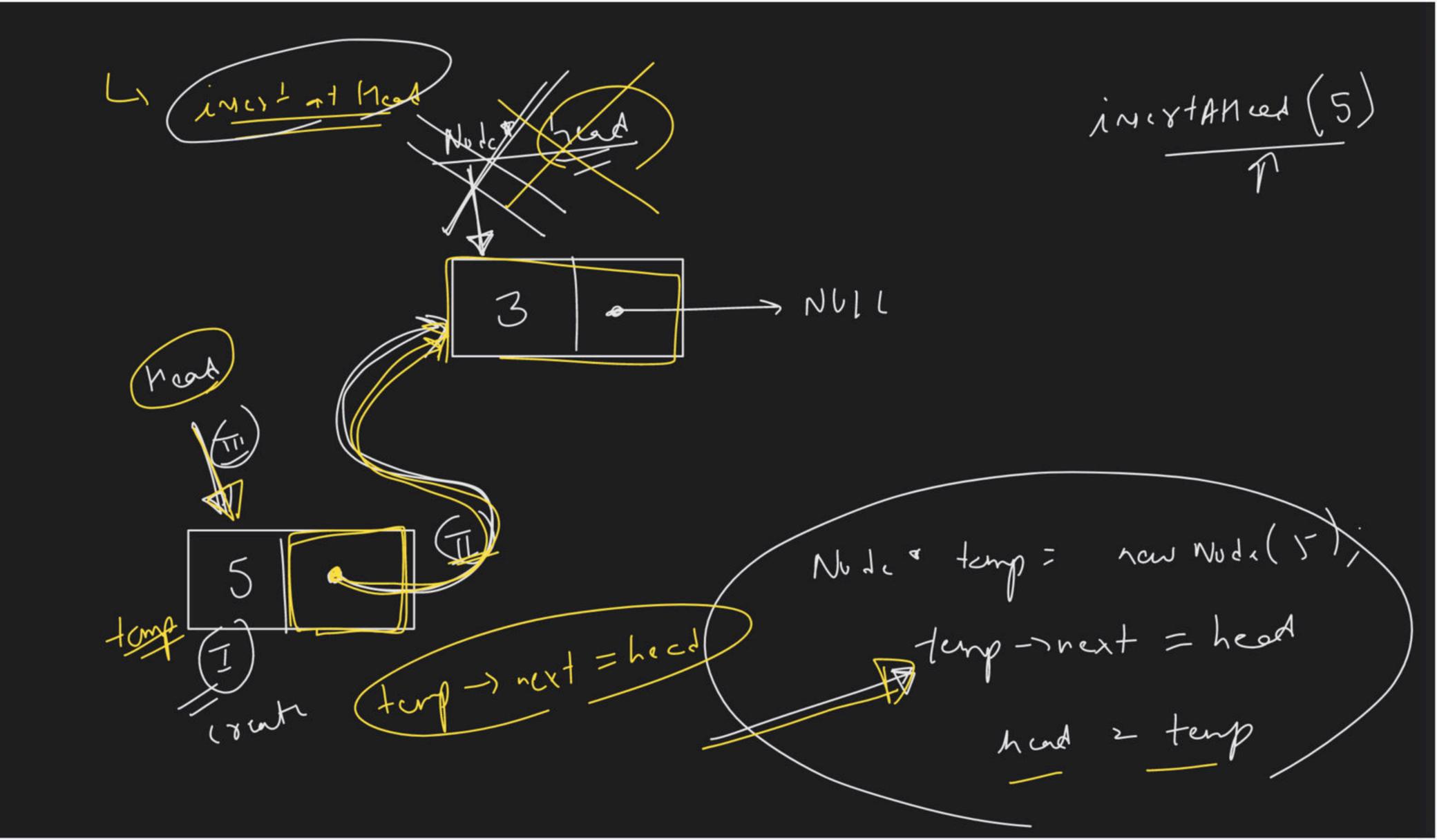
Obj -> Note LL- (why) > ! av (15) grow/shrinks dynamic -> does not signin Controvs memory



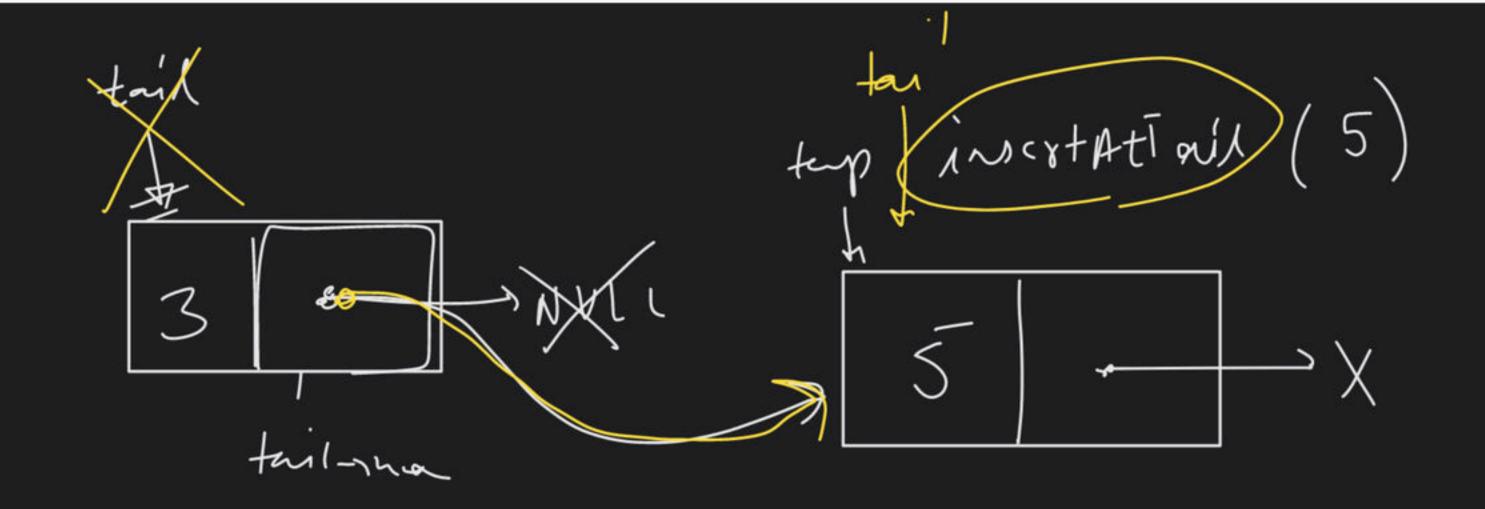
Node # firt 2 new Mode (3)

3 NULL

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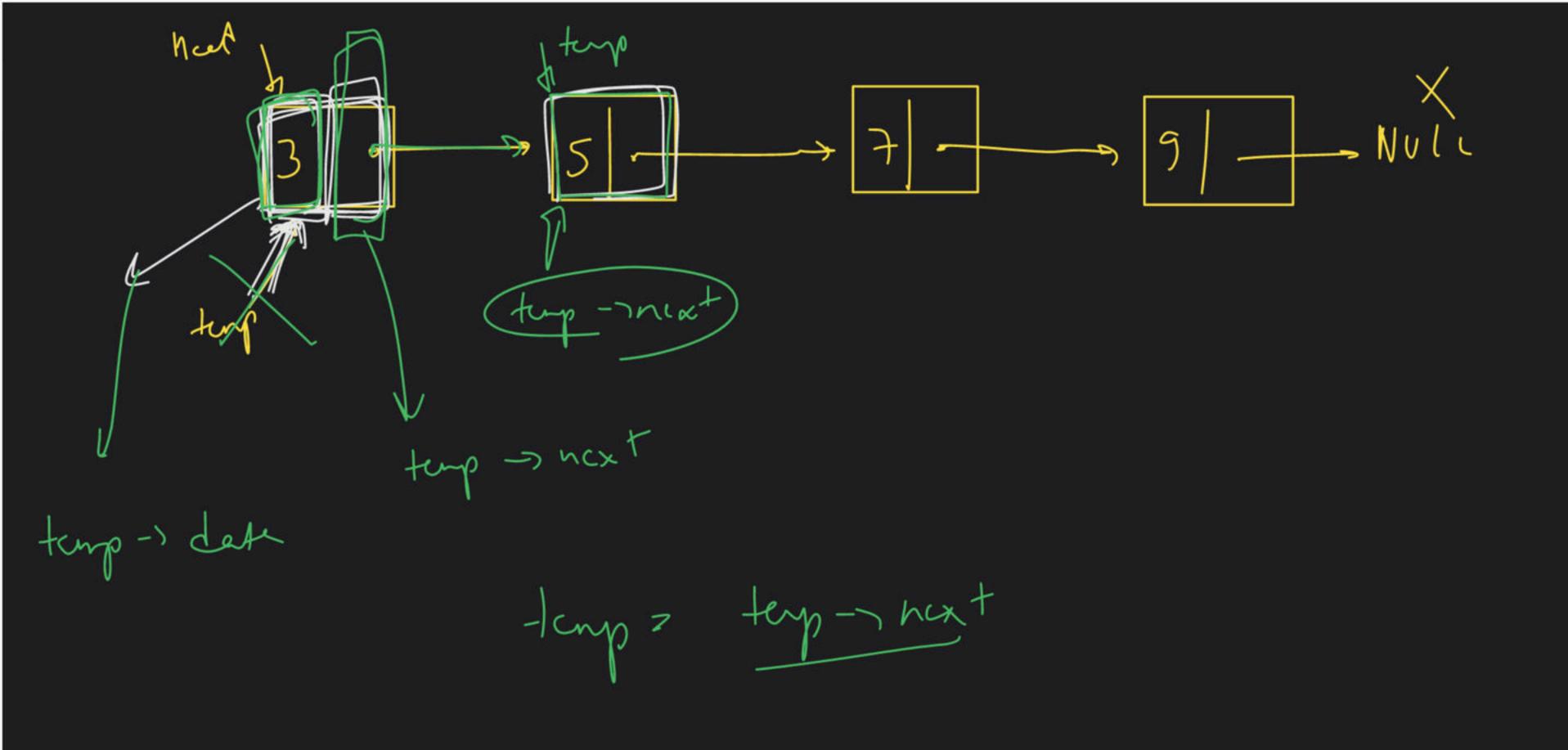
insirt AlMer (5) (1) creat I nide top-inix = heep



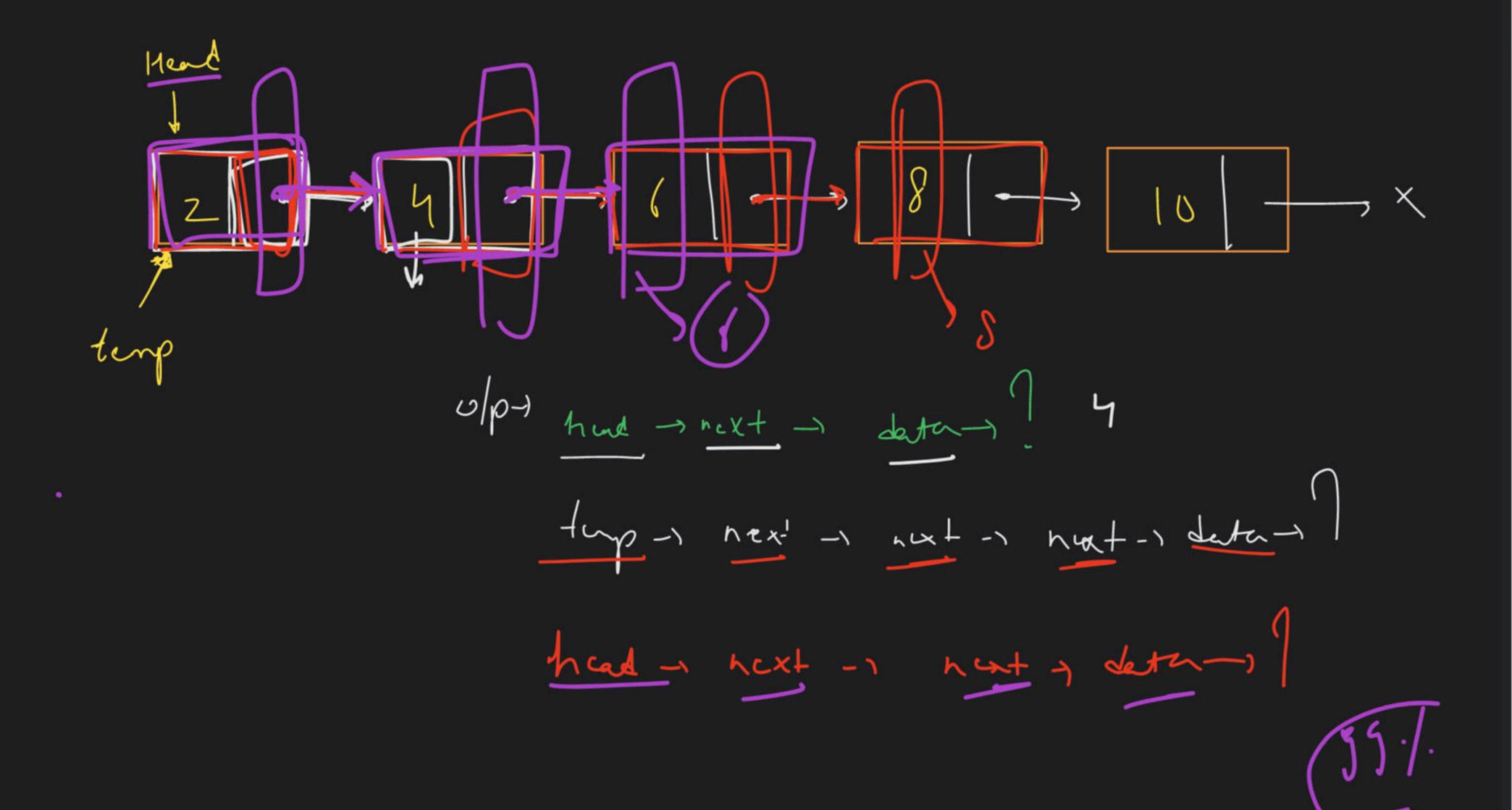
(J) (reation (J) tail in next 2 tup (II) tail > tup

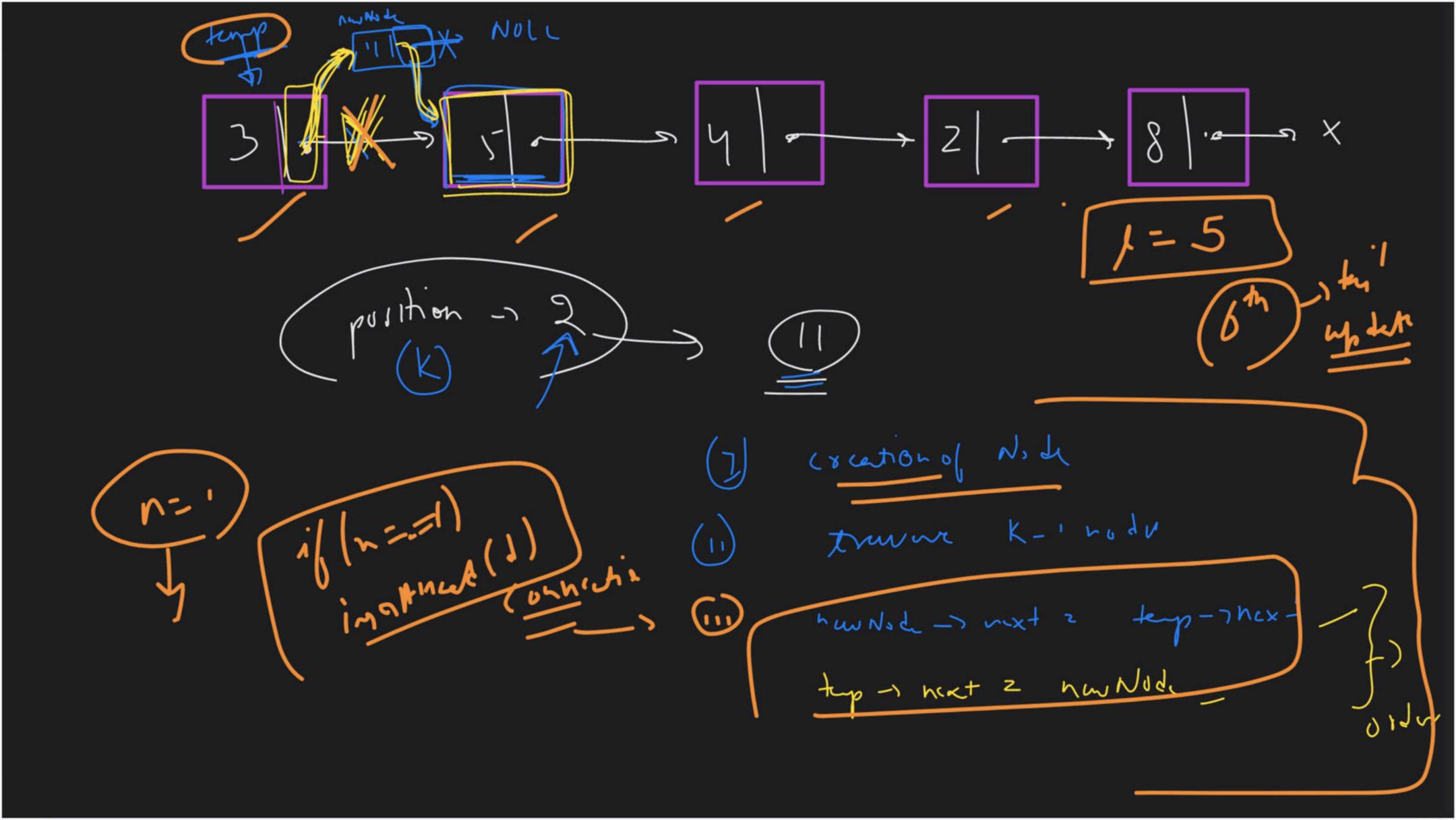
11 5 7 3 9 temp = tup - Thex!

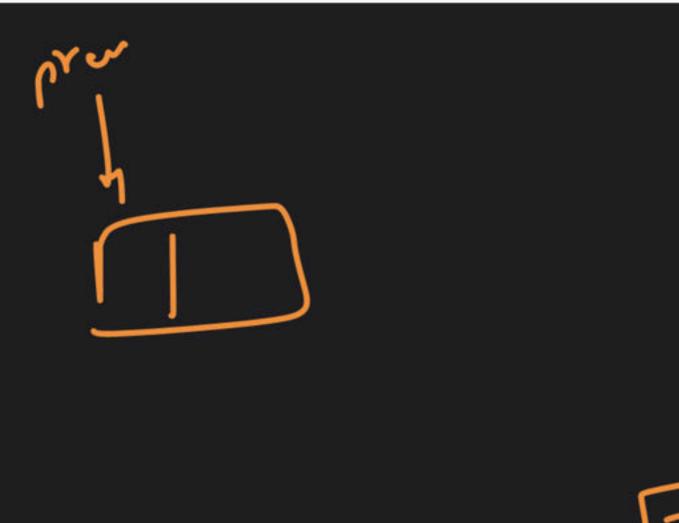
travors (head) Node * temp > head while (tap ! = NULL) (out << tep-, deta) tup= lap-ruxts

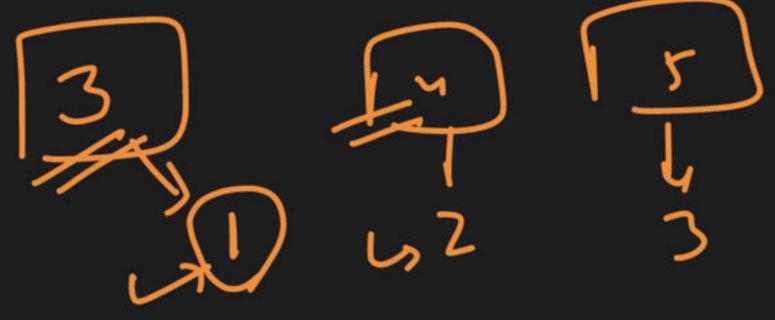


typ - next / head 1nt @= 5 int bz 5 bt+ tup-next-sdeta, typo new tup-> dek typ-incet -incod; hed - neat hud rdet









- na Noda at to 42 ___ 79 Lowst P-2/p11-2

tagetz = typ-) Lete (2 pos = -1) dute! head 2 head ->next; Fintrode temp - nent > NULL duct tryp?

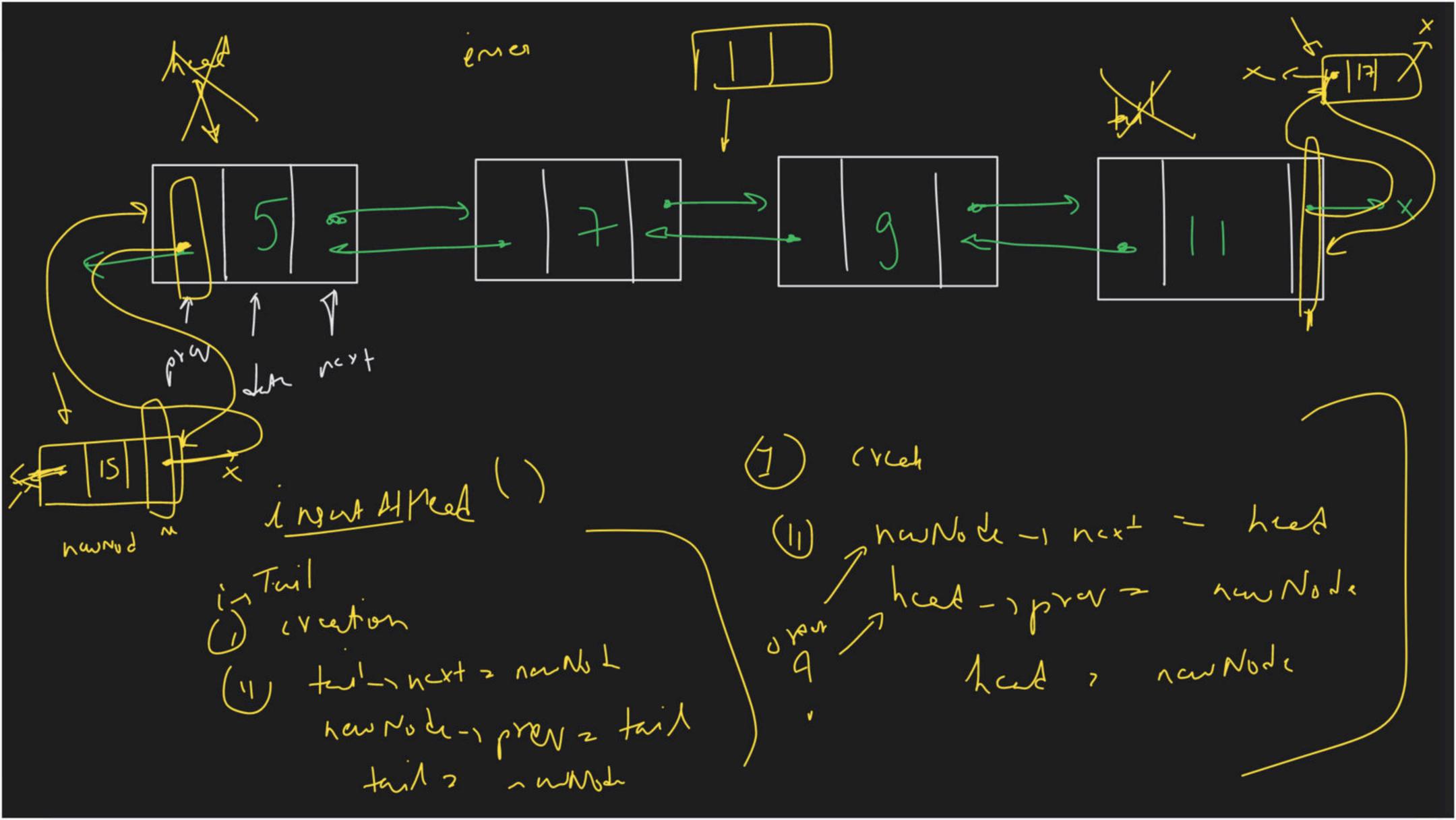
1 mi Jal tail els! prev-snext - temp-snext; temp - next - NULL (2 m) Lette temp;
(Jone) empty Link (1) tag! up tetion ~ (1/w)

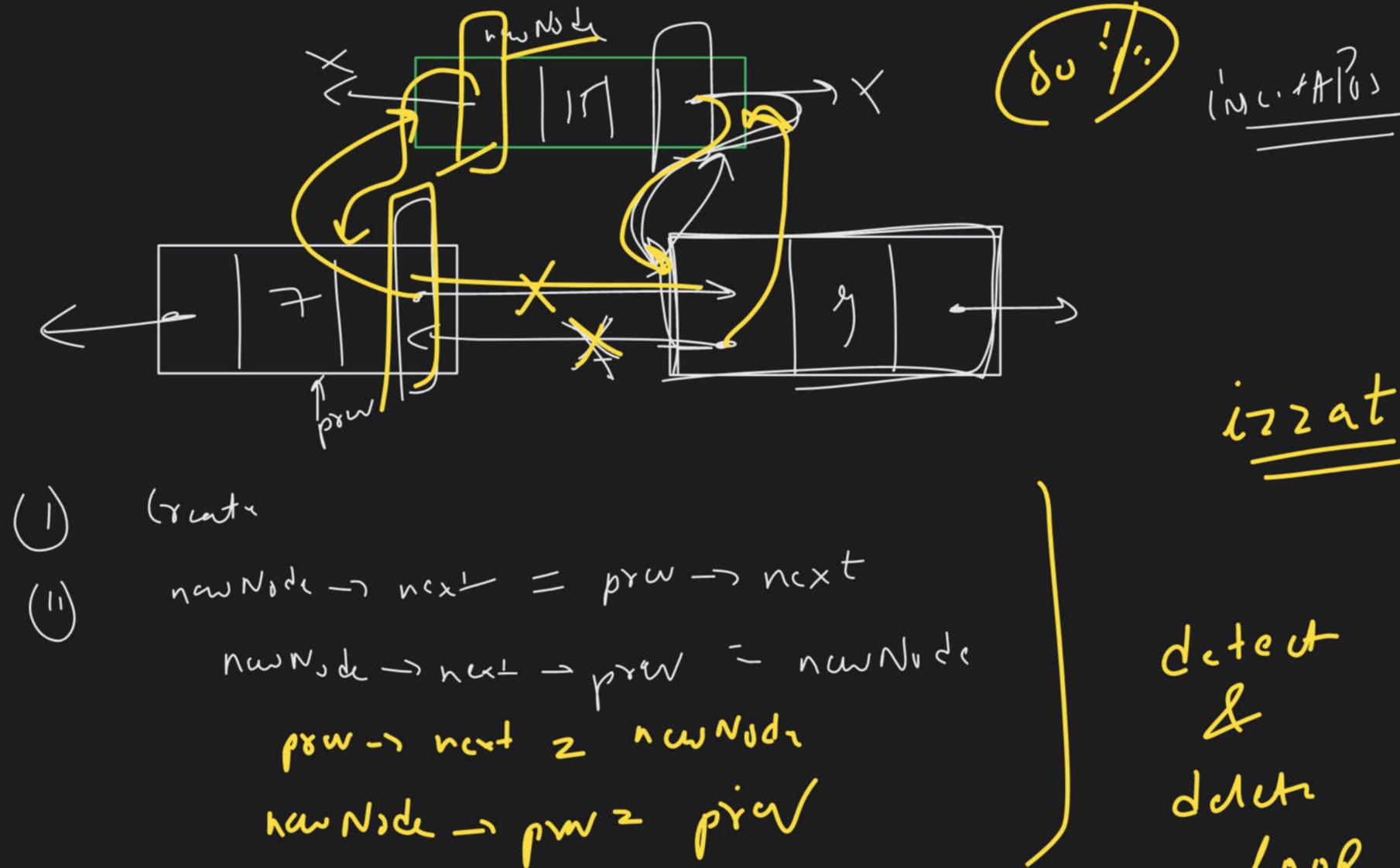
(2) if we donot find

Doubly Linked List

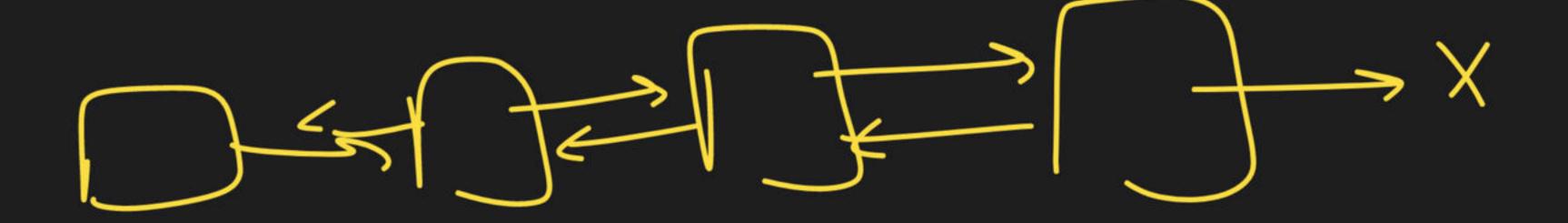
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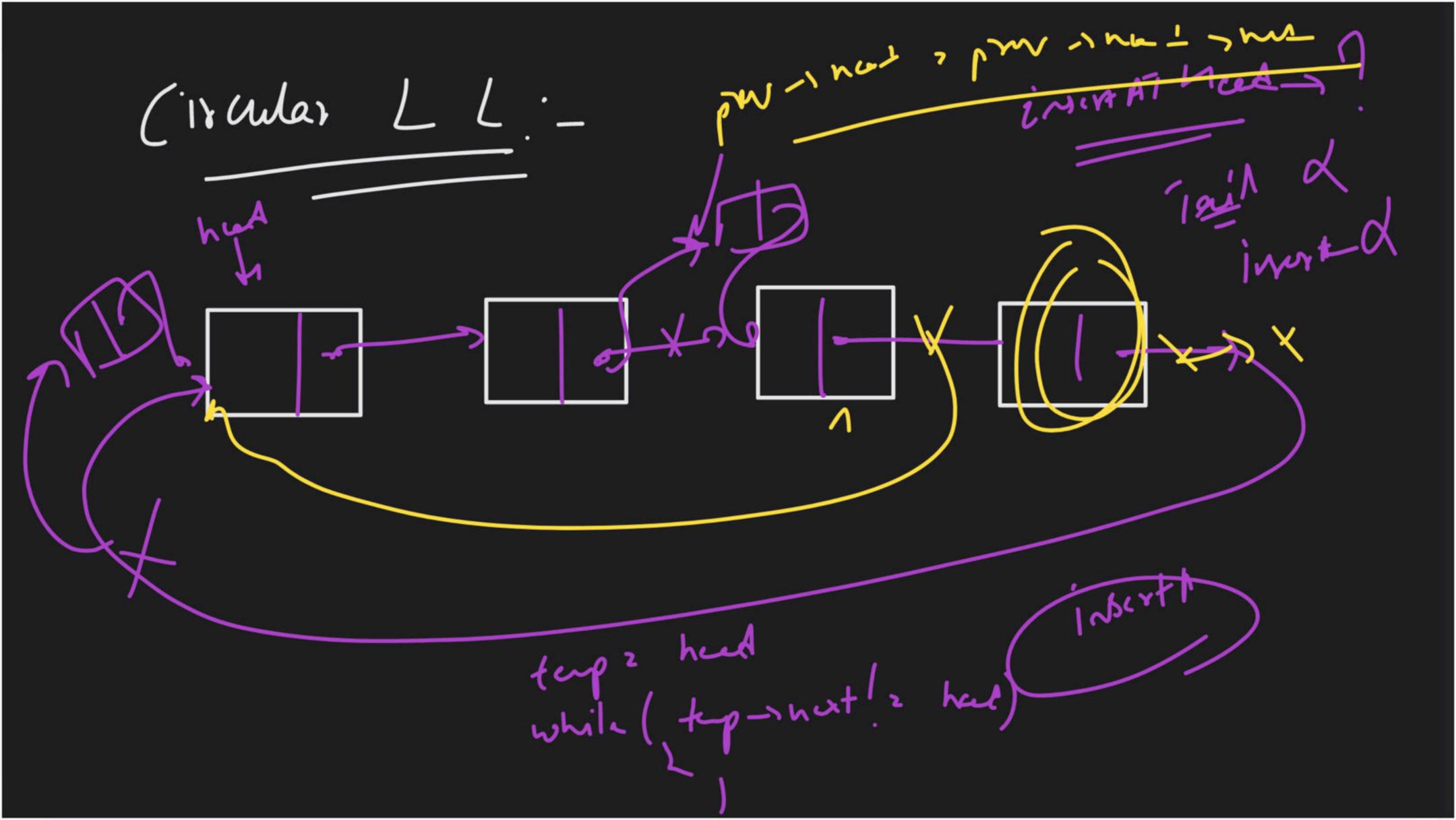


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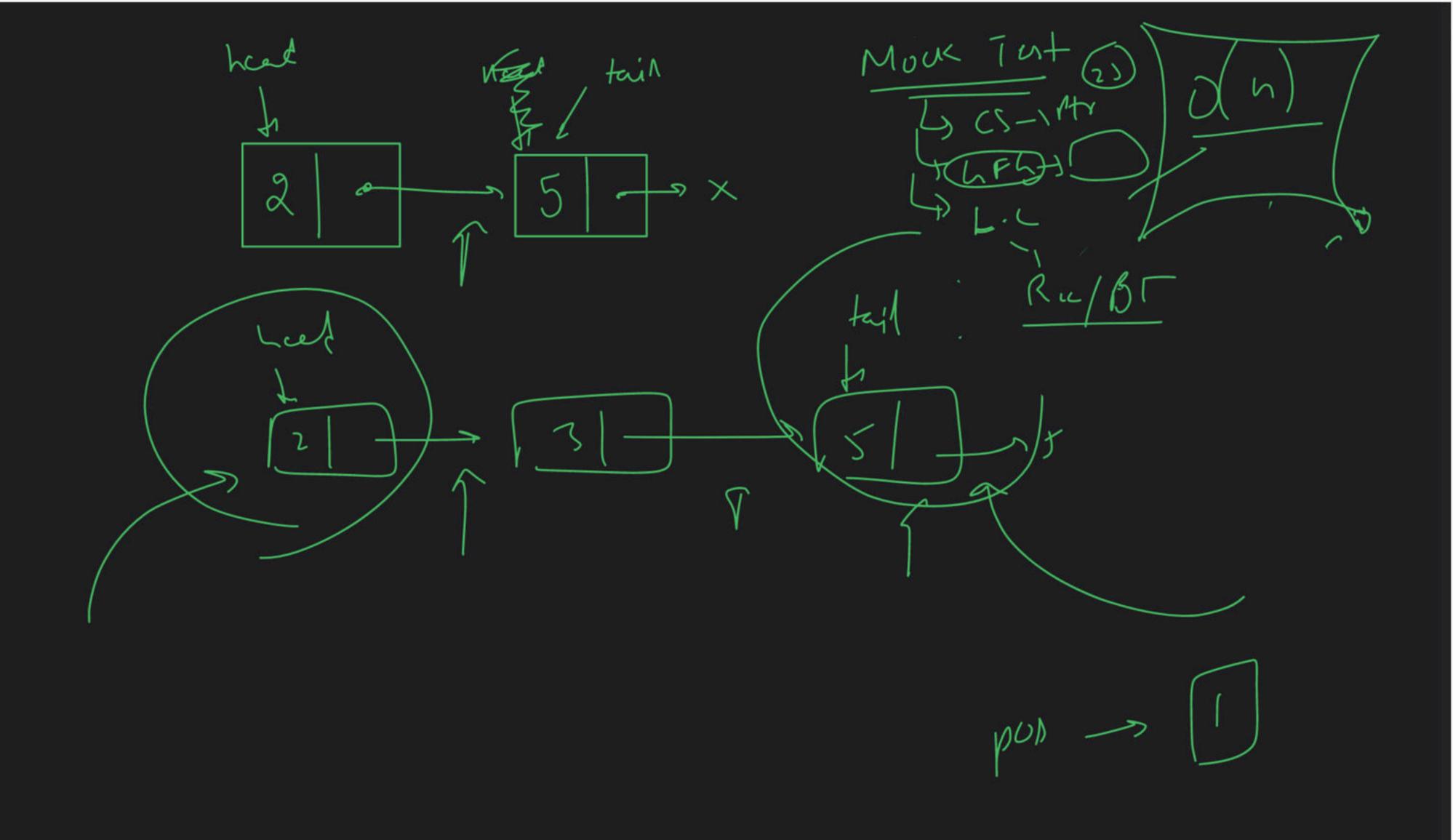
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DBLL sinus July



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