

Linked Lists o nem DS ralled as LL. Why do me luen need Horays/ remory alloc > leg also consume conlegious memory spots list velzes/Dorcepter/

Morays doesn't sonoume the available nemony effectly
To optimize this we have got linked lists
What is a LL ?? What is a LL ?? Lo 12 are linear data structury that store one data element in an entity colled as a Norde and multiple Sulv nodes are connected to from a Chained list. The nodes are not rept to be created in Continuous memory blocks, Soll never consumes a configuous memory block.

no de 13 101 5x 3K ror J.R 3-K 3 K 2K The first node of LC is memory VIEW

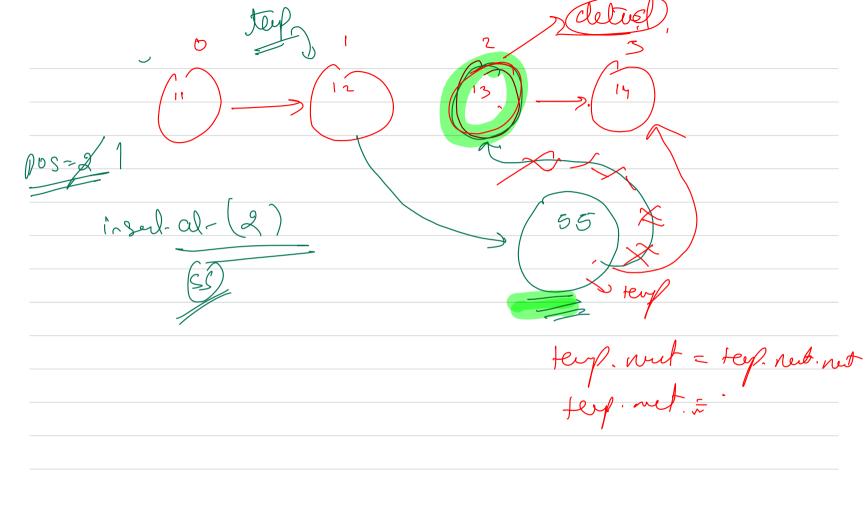
Tu butten of freu and vent fæge ir 6-0 mge and unplemented usey U. Music flages soffwares Sady neclamin > Parli Maj

	class Noc data rent	le 5 # valu of # address	rods y neut node

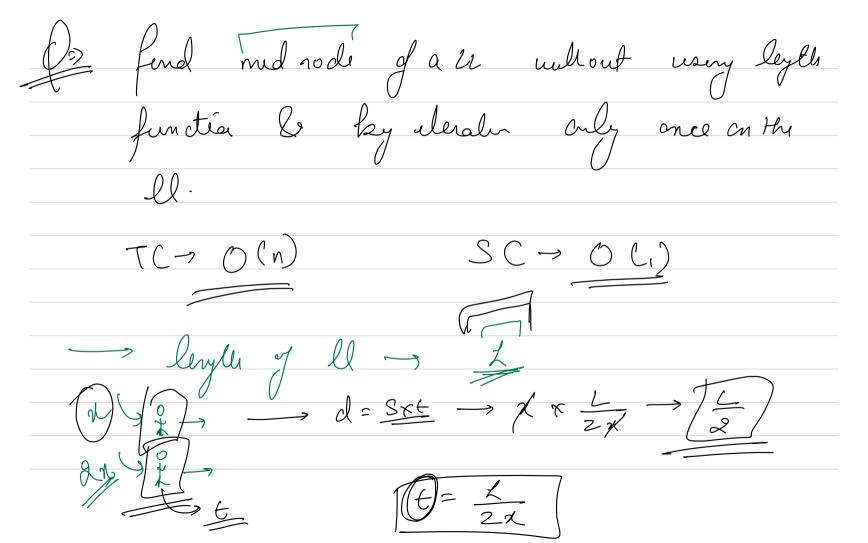
-> at the head -> O(1) > at the tail -> O(n) in middle Somewhere > O(n) lest - af at 0" ud -> 0 (n)
add at last ule -> 0 (1)
middle -> 0 (n)

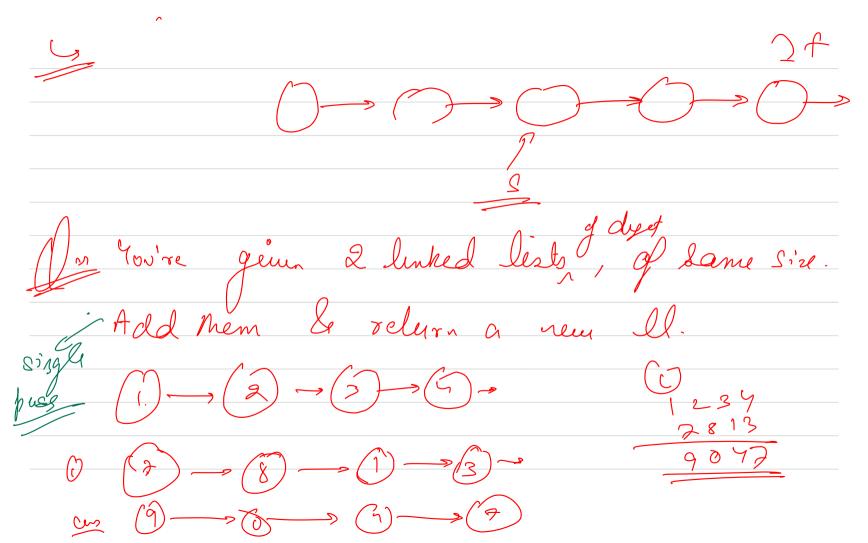
0) 20 310 Non 310 (14 new K = temp. read rew_node. rent = leep. res leep. rent = rew_nody

-> fetchette roche previous 10 the idn when we
want 10 ensert
-> mark the next-of rem node = to me node
-> mark the next-of new node = to me node fresent at me ide currently (tenp. next)
- vpdate beep. med = new_nodr.



delete fran heel delete free tail





lcusin Cony