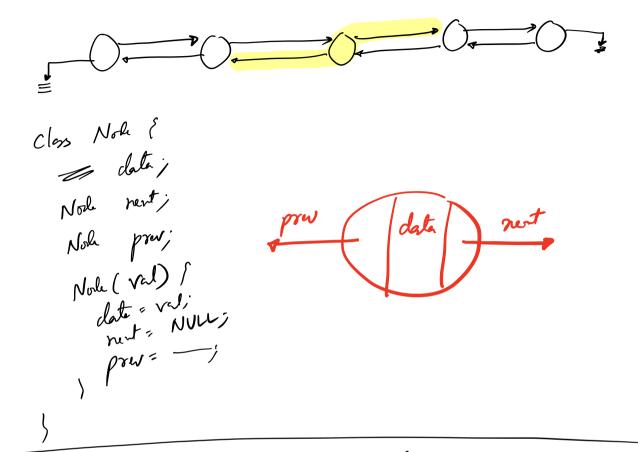
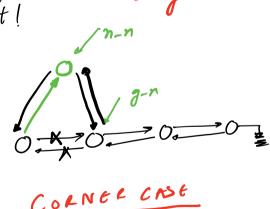
DLL < Doubly Linked List? Girm a LL. O Con you trover back words? Given a ptr. to a note. delete it! 0-0-0-0-0-2 () Given port to a mole. Insert a mole befor it! 0-20-0-1 Obs: We do not have ref & prov Nole.



O Given a DLL. et a given-noch Add a new-noch befor it!

g-n. prw. reit = n-n n-n. rent = g-n n-n. prev = g-n. prw g-n. prw = n-n

T(= 0(1)



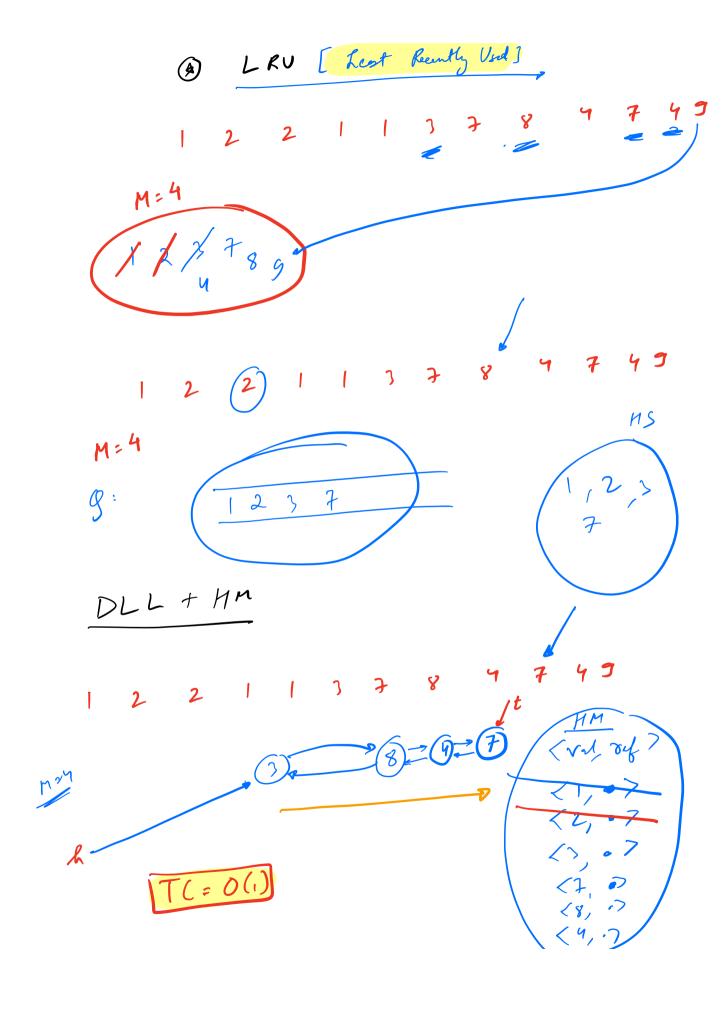
 $\frac{C \circ L N \in L \cap C \cap C}{Q \cap Q \cap Q} = 1$ $1 \quad 0 \quad 0 \quad 0$ $1 \quad 0 \quad 0$

() Given a DLL, given ptr to a nock 'del'

() (del=k) &= k. mat

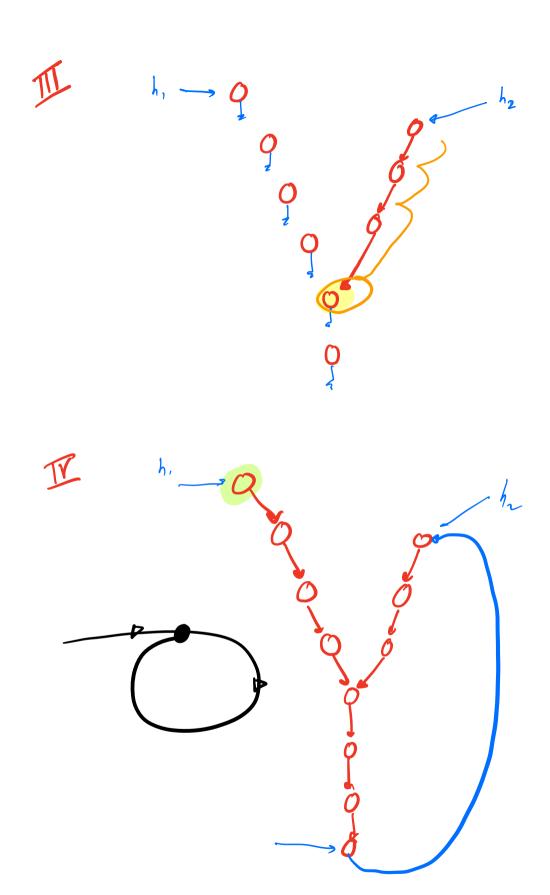
() (del press!=NULL)

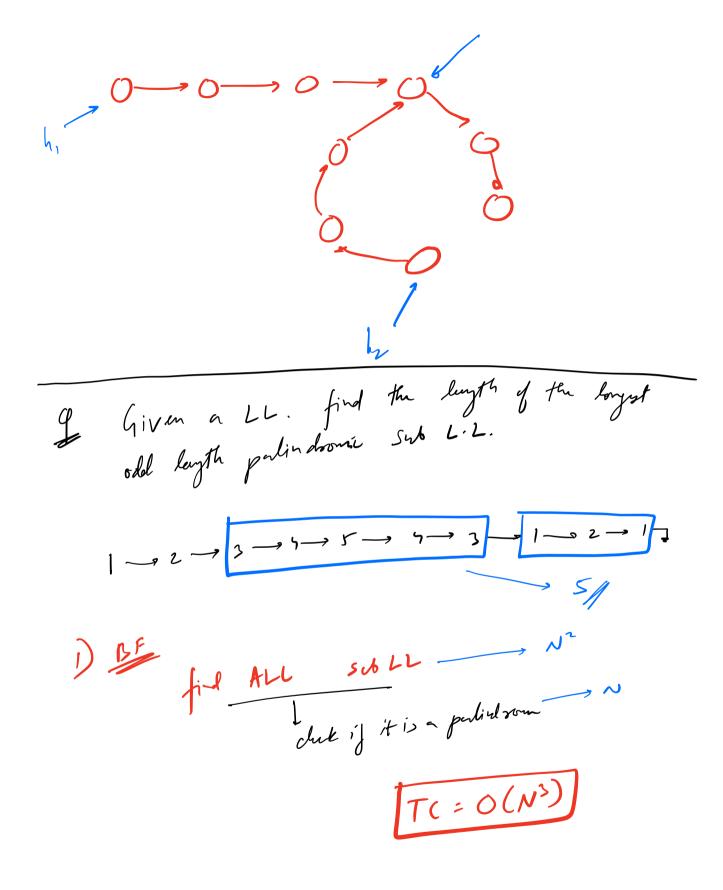
() (del. nort!= NULL)

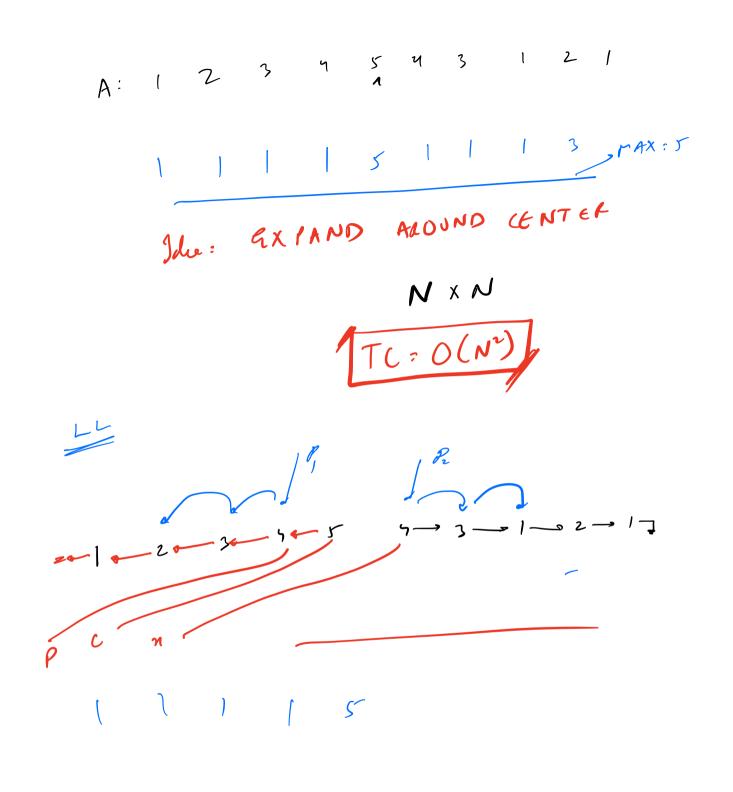


find the intersection. a Y- shaped LL. Given Insut ALL role of of One LL in Hs.
find the first of of 2nd LL in Hs. T(:0(N+M)) S(:0(min(N,M))

h, 8, 8 C = N TC = O(N+N) SC = O(1)S Jely of h R







P, = prw, P2 = mnt, Cut = 1

Which (P, != NULL XX P2!= NULL XX

P, . data == P2. data) {

P, = P. mut;

P2 = P2. mut;

Cut += 2;

> ret cut;

TC: O(N2)

MANACHER'S ALGO

Jirds longet polindronic

S. A in O(N)_TC

O(N) = SC