20/ De cember /2/3 (1) ango - 0 cm Essen of an absort TO C(N), O(1), D(N) Linked-List of as in sten is -possessed Interpolation medica in the to - doonot store at configuous toeatres, use in Stacks / Queues. 2 Example: 0 mt 2=3; mt* 4 = 221 0 0 cout << & soul ; } 11 Report the points 0 to the & with the reference to 27 Memory)
32 bet 1 4 4 6451t 9 Memory I mt - D stayte is date i mt - D 4 byte ? 1 × -0 4 byte 3 Pointer 2 * -0 8 byte 3 8 byte 12 byte connect assay a dd Node* tent = hard 2, 5, 8, 7 1980 \$ 9601 Co mover 9 legg = page; fort = page 20 EXE; serven head f g

Insection ?-Noble * Phrest At Head C Noble + head , M+ val) S eeturn new Mode (val, head) Nodex Met Attail (Node * hood, Mt val)? If C Dead == NULL) { seturan new Node (Val); Nodex somp = head; uehile (temp-> nont = NUU) {
temp = temp->next;
} temp-7 mont = new Node(val) 2 return hand;

0

21 19 (00) 24 23 NO dex Mest At K (Noge * bead, Nedex MeetBeforeValue (Nodex mt el, mt x) t bead, Intel, Intual)? if (head == NULL){ If need == NULL) { if (K==1){ echan head; Beturn new Mode(a); II (head->data == val) { che Eerum NULLI evenum new Node (el, head); 0 0 0 if (K==1)? Node * kmp = head; welyle (temp -> pont != NULL) } return now Node (d, lead); if (18mp - 7 mat -> data 0 == val) 20 int ant=01 Node* newNode = Nodex temp = head; new Node (el, tomp-> next WHITE S=NULL)} Emp ment = new Node] (n+++) 9 L balak ; 9 if (Int==K)? 9 N rede * now Node = temp= konp-roport/ new Node (el, +mp->noxt); temp-7 hont = newNode; boeak; reemon head j temp= temp-) nont; getran read) 提供 こ 利以

Fraversal -> OCM dength - DO(N) head Jeason of an eboont - O(N), O(1), O(N) feleting a node in LL To Interesting node in IR -D seemed these at continuous besiden - Delete a node in Linkal List Wead, Pail, Kon element &, value & 3 - D 5 - D 7 - D DULL X (head हर राय्ट के प्लंका कर Remove K () { if (need == NULL) i sectures NULL; } 9f (K==1) of Node* tmp = hedd; + head = head > next; free (fanp); eetus head ; mt crt=0; W & more Node * temp = head; 0 Node * prev = NULLS white (tomp of NWIE) & 0 ont+; 0 if ((nt == k){ 0 0 prod-mont = prov-mont-mont; 0 feee (kmp); 0000 break; PREV z pmP; femP= jemP-roext; return head i 3

Deletton 8-+ { remove head from LL3 Node* comprehead (Noele* head) { if (head = = NULL) returns need; Nodex temp = head i bead = nead - mext 1 free (temp); 2 sepuen head ; + 1 panone tall from LL7 Nodex computail (Node + nead) if (nead == NULL OF bead - 7 next == NULL) 3 Canada American Mult; Nodex temp = head; uchile ((Emp-7 nont)-7 nont)= NULL) of temp=temp->next/ 1251 C-11388 = 3000 F-10891 Kee (AMP-SUDAT); Jemp-nont = NULL; 3 return head; long= kmp-prime

& Romonerg KM Poethon clossont in the 223 4- [ramswe head teem that Node * somewhith (Node * head, But K){ if (nead = = NULL) & weren NULL; } If C K == 17 K and = 4 most x 9 5001 Nodex emp = head; nead = nead-7 next; free (temp); beturn head; for a fewering total At ant=011 Molecular x 1001 Node* per ZNULL; Nodes temp = head; ushile (temp &= NULL) ? (nt+t) who is (3)(1) = (cnt == K) { Tree (knp). PERV-700eat = (1288V-3102+)-> nont; (See (FILLE-SUDA) beenk; 5 ideals mealer per = tmp, femp= femp-7000+1 return head ,

+ I fomove the value operant in the 227 Nodex somowell (Nodex head, mt el) } if (bead = = NULL) & cepuen NULL; 3 if Chead-7 data == e1) { Node+ temp = head. head = head - meat; free (temp); behirn head; Nodex prou = NULL; Node * temp = head; while (temp 3 = NVU) } if (pmp -7 data == e1) ? (kee (kmp); DEEV-Thent = (prev-mont)->nonts popeak! preo = pmp; pmp = pmp-mont; actuan hard;