22-1-24 Linked List Struct Node int data; Skact Node Next; void insert à void insert-first (struct voide ps, int 2) Struct Hode * +; t: (Struct Node *) Malloc (Size of [Struct Hode) t>next= head; t > data = 2; head = (; void insert-last (Struct Node"p, intx) While (p->next 1 = Dull) P= P=next; Struct Node *t; t: (Struct Dode *) Matter (Size of Struct Dode)

+ > data = a. P-> Dext=t; t-Inext: Nall;

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void insert-pos (Stract nodo "P, intx, int pas) 1 Struct node * 2 9 + t; t: (Struct Rode") Mauroc (Size of /Struct Node)) (+ + >data = x) toc (int i: 1; ix pos; i+) 4 9:P; p=p=pext; France + ->next = P; 19-snext= t; void delete-first (Struct Node P) Marsha Hebd=Thead-Ynext() If (head =) next == Null) (free (head); return; s head = head > next; free (P); Void delete last (Stract Dode *P) son Struct Node *9; while (P-snext 1: Null) (p= p->next; 9 > next: Null; tree(P);

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void delete - pos (Stract Dode P, int pos) Stract Node * 9; for Cint iso; ix pos; i+t) 9-mext= P>next; free (p); Void display (Struct Dode + p) while (proposte exerce) int a: P>data; Printf(" 1. d->(2", 2); P=P>next; I printf (" Null 'In"); int mainch Insert - hist (head, 5); insert - first (head, 2); insert - Cast (head 9); insert - pos Chead, 2,2); display (head): delete-first (head); display (head); delete - last (head);

display (nead);

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insert - (cst (head, 1); display (head); delete - pos (head, 2); display (head);

return o;

Dusput 7-22->5-99->NULL 2->5->9->NULL 2->5->9->NULL 2->5->9->NULL 2->9->NULL

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