

Details for copy function:

Notex copy (node x L)

Nodex C = NULL; // will point to be copied

node x p = Li // next node to be copied

node x q = NULL; // last node in copy so far.

if (L==NULL) return C; // set up first node. CIA XII q = C = new node; $C \rightarrow data = p \rightarrow data;$ $p = p \rightarrow next;$ while (P) { 2 > next = new node; 2 = 2 -> next; 4 > data = p > data; P=P->nexti 一一一 3-> next = NULL) return Cj Note: in some sense, we C US noed the special case at the beginning because C,L are NOT part of any node, unlike all other pointers in the list. nc II put a fake node at the beginning...

Alternote version: videx copy (nodex () node nC; / Not a pointer! Node * P = Lj rodex q = &nC; while (P) { 2 > next = new node; 2 = 2 -> next; F>next = NULLi return nC.next;

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