program to create a doubly linkedlist in memory and to display its contents. Part-II start Monitor Part-1: 10 15 12 start #include(atdio.h) prev # include (ntdlib.h) start → back = NULL; # include ( ctype. h) prev = start; struct list { int data; struct list \*next; else { temp struct list \*back; Prev temp -> back = prev; display (node \* head) { prev = tem P; int main() { node \*start, \*prev, \*temp; char ans; start = NULL; prints ("\n") 205 } Nhile (ans = = Y'); if (ans = = 'Y') { display(start); if (start = = NULL) { return o;

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Discussion on middle deletion in doubly linked list temp-next temp -> back start time NULL middle deletion (item = 30) temp = start; while ((temp! = NULL) && (temp -> data! = mone item)) temp = temp > next; temp - next - back = temp - back; temp -> back -> next = temp -> next; free (timp); middle deletion in linear linked list (item = 30) False temp-next templ 40 T-NULL temp temp= start; while ((timp=nent) = NULL) && (timp=next=data = itim)) 2 temp = temp > next; Time 38 20 = 30 = True True 85 30 ( = 30 = Falsea), templ = temp-nixt; timp - next = timp 1 - next; fru(timpi);