Double linked list assignment Name: Muhammad Sami Ahmad, Sec. 2, BN: 15

sx) Insert from beginning;

Hull F Total 3 2

make a newhode and make it point to "1st Hide old" and make the

previous of The "1st Node old" point to The newhode and make head

on The newhode

> *) Insert from Hiddles

We will make a new pointer "Curr" and troverse the linked list till Curr points to The node which we will place the newnode after.

New node > next = Cur-> next.

Curr > next + prev = Newhode

Curr -> next = New node and my stay stay stay stay stay

48) Insert from Endman and my stated will state wing & sould

1) With toil: We have a pointer named tool on last node so her Newhode sprev = tail, Newhode sprext = new node.

Tail = Newhode.

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2) without tail: We will make a new pointer named Curr and traverse till last nade and do Same operations as before-

Newrode -> prev = Curr.

Newhode > Next = Will

Curr > next = newhode.

21) Insertion from front and End (with tail) is The easiest, then Gomes end without tail then middle.

middle & End no tail > Front, End (tail)

*) Deletion from Fronts move the head to the next node, make the deleted node next points to Wull, and delete it from memory. head = head > next

*) Delete from middle:

head-sprev = Will

We will make a new pointer "Curr" travose through list till the node we want to delete "Car" Will be on it-

Cur -> prov -> next = Cur -> next Curr - next -> prev = Curr prev , then delete "Curry From memory. This new pointer aim is to connect list again after deletion of that node to not lose other data.

K) Delete from End 1-

With tail: Tail = Tail -> prov , Then detete that node from monery. Tail->next = Null.

Without tail! We will make pointer "Curr" traverse till lost node e deleted then do same processes.

Chor > prev > next = Hull, delete Curr from memory. to be deleted then do same processes

*) Deletion from Front and End With tail (eastest) Then Comes Deletion from Middle, End Without fail

Deletion Front, End with tail & Deletion Mid, without tail

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