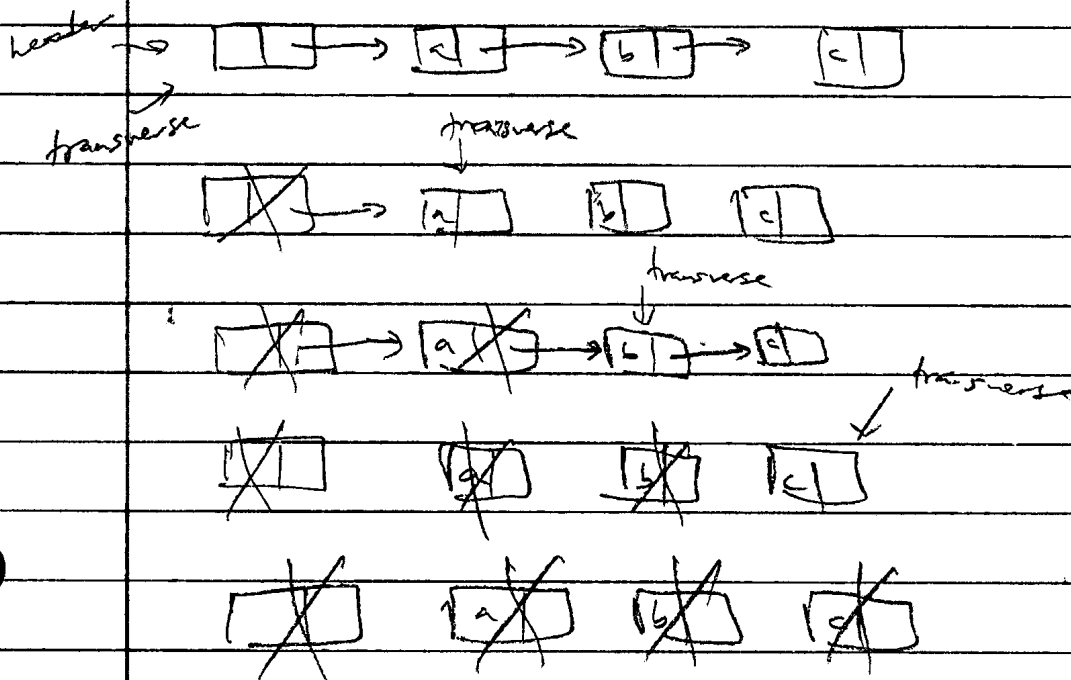
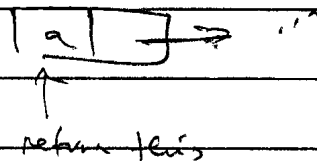


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1. destructor: calls the del method which deletes each node by looping through the list then sets head to nullptr.



front: return the data in the first Node



Merge:

while both list not empty

Compare each element of the list and see which smaller. if one is smaller add it to the temporary list and transverse that list to next node.

when one list finishes you copy over remaining elements.

then you copy from temporary list back to original

List 1  $\square \rightarrow 2 \rightarrow 5 \rightarrow 8$

List 2  $\square \rightarrow 3 \rightarrow 4 \rightarrow \square$

List temp  $\square \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 8 \rightarrow 9$

erase list 1

copy over temp to list 1.

erase list 2

final will look like

List 1  $\square \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 8 \rightarrow 9$

List 2  $\square \rightarrow \text{null}$

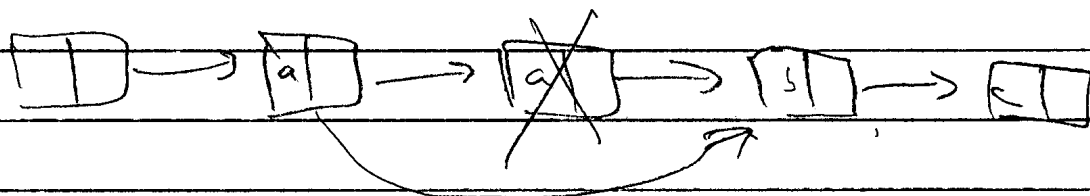
### Remove Adjacent Duplicate

- check if trailing is not null ptr

- and trailing  $\rightarrow$  next is not null ptr

- check if trailing  $\rightarrow$  next  $= 2$ , trailing  $\rightarrow$  next  $\rightarrow$  next

- if it is, call erase after on trailing and move trailing forward.



remove it.

loop through list if the prev of next element is free, then call the erase after on the previous else move latter of the forward.

