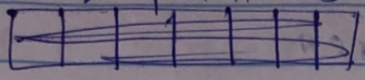
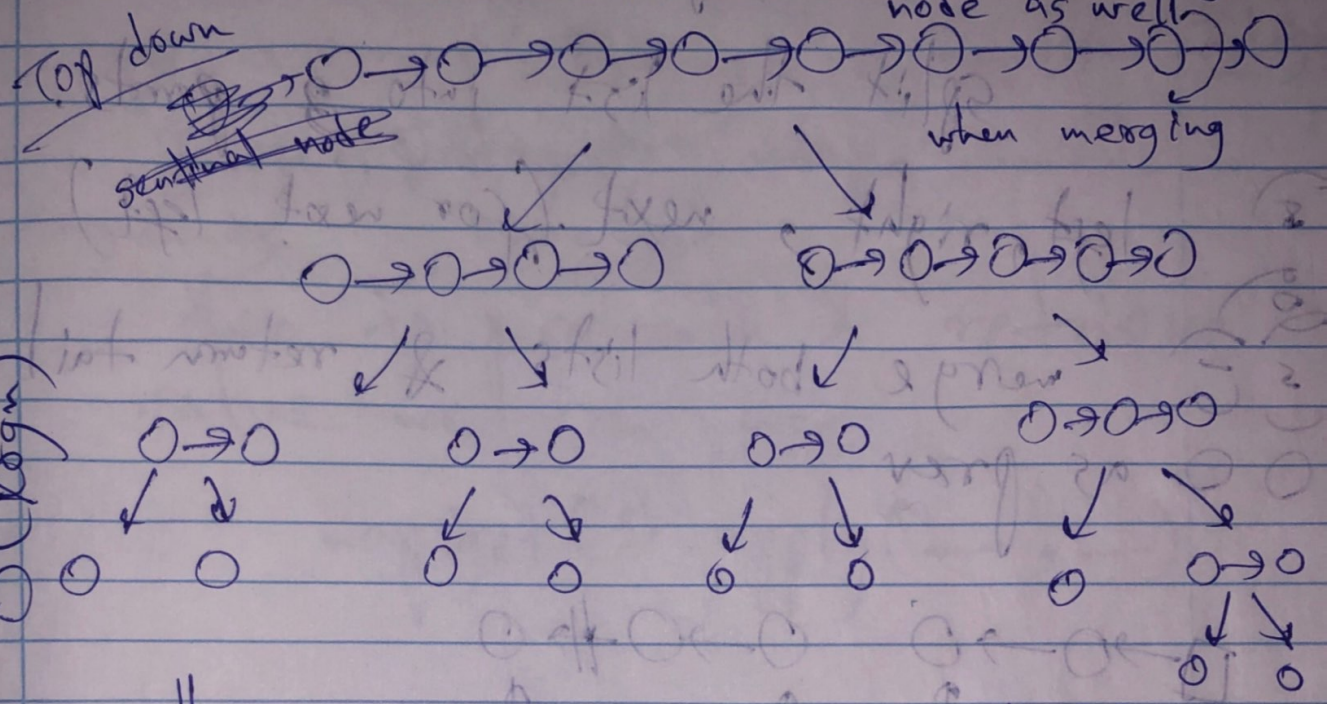
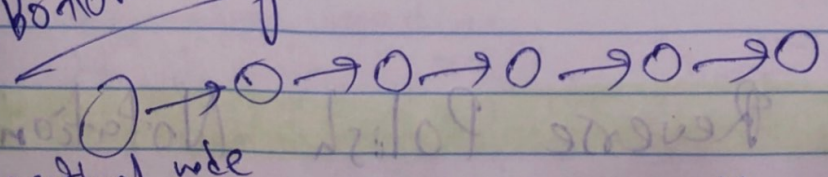
* Sort List

to achieve O(n log n) we can use merge sort. To divide to 2 lists, we can ~~fast~~ 2 pointers as usual. In addition we can use a sentinal node as well



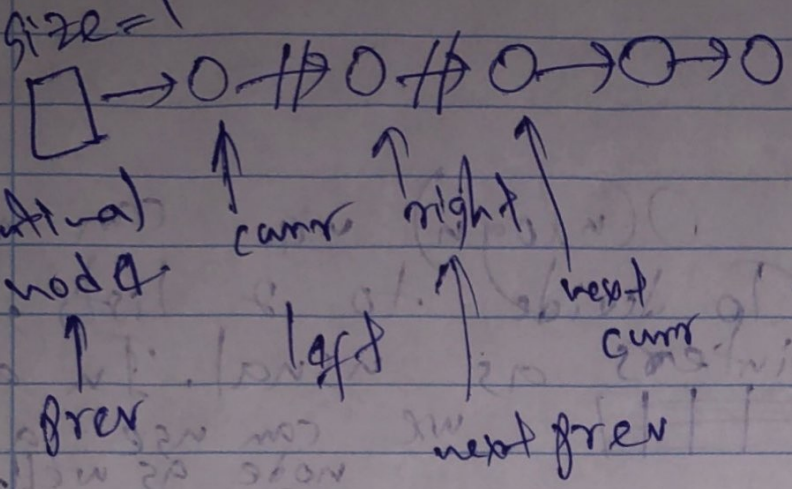


then we can merge each list by comparing each listNode. As this is a recursive method, requires O(log n) space for call stack.



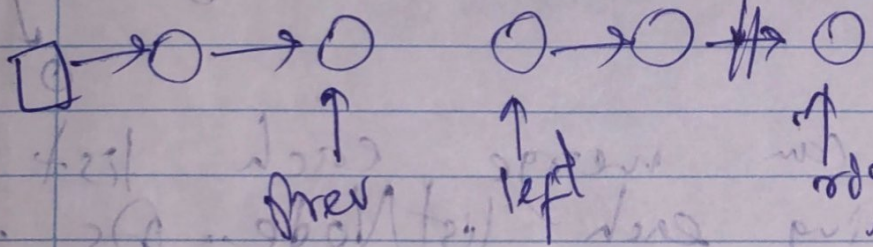
each time double the node com we are using till it exceeds t ~~If~~ of Nodes.

No: _____ Date: __/__/____



split the list into 3 parts:
left, right, next. (for next left)

merge both lists & return tail as prev



Now each node count, & iterate from left to right.