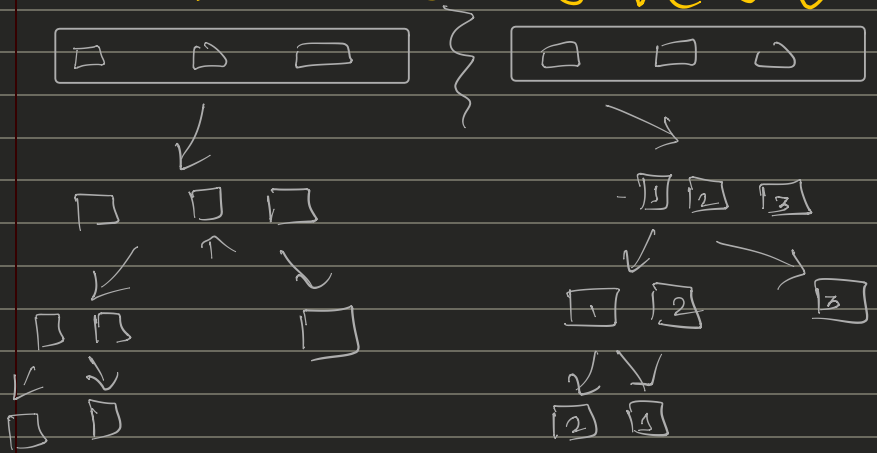


Sort List using Merge Sort



① → find mid

② → using mid divide array

③ → Recursive divide

④ → Merge (Assumption → single element is sorted)

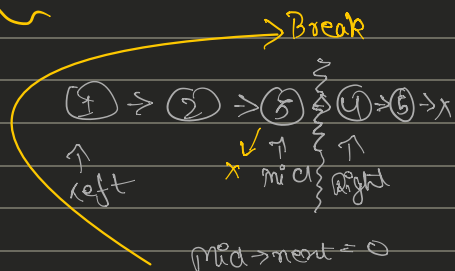
In Linked List →

① → find mid

② → left = head
right = mid → next

③ → // sort RE

left = sortList(left)
right = sortList(right)



⑥ → // merge both left and right LL
merged LL = merge(left, right);
return merged LL;

find Mid → slow - fast

slow = head

fast = head → next

while (fast && fast → next)

slow = slow → next

fast = fast → next → next

Merge Two Sorted List (Refer Q2)