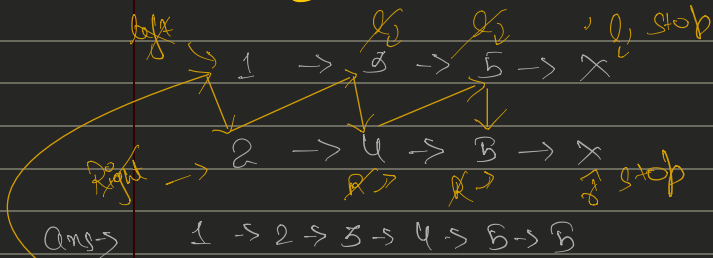


# Merge Two Sorted Lists



mptr → 1 → 2 → 3 → 4 → 5 → 6 → X

if (left->val ≤ right->val)

mptr->next = left

mptr = left

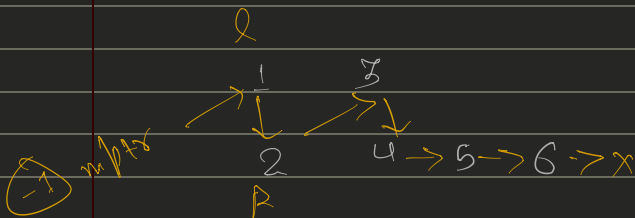
left = left->next

else

mptr->next = right

mptr = right

right = right->next



if (left)

mptr->next = left

if (right)

mptr->next = right