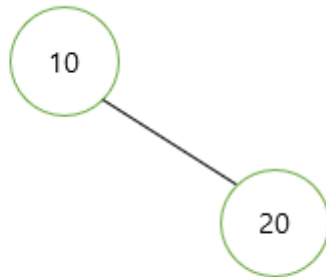


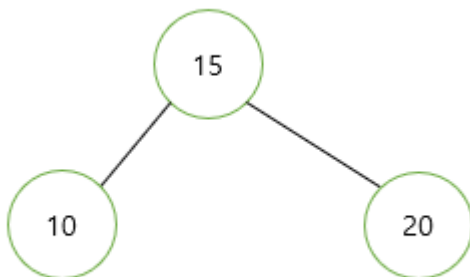
Tree가 모양을 바꿀 때마다 AVL tree들을 그리고, 각 단계별로 LL, RR, LR, RL을 표시하여 제출하십시오.

1. Insert the sequence of elements (10, 20, 15, 25, 30, 16, 18, 19) into an AVL tree.
Delete 30 in the AVL tree that you got above and rebalance it.

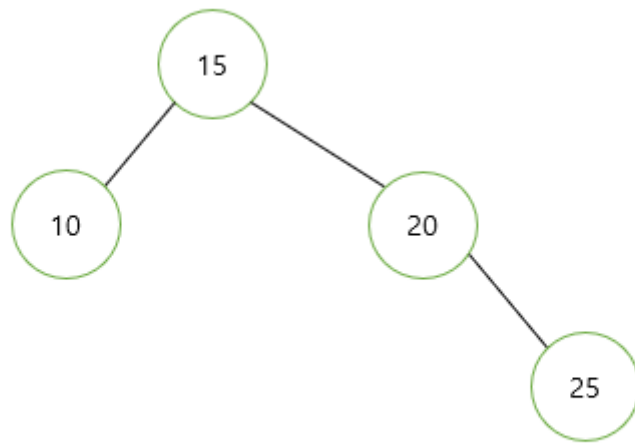
Insert 10
Insert 20



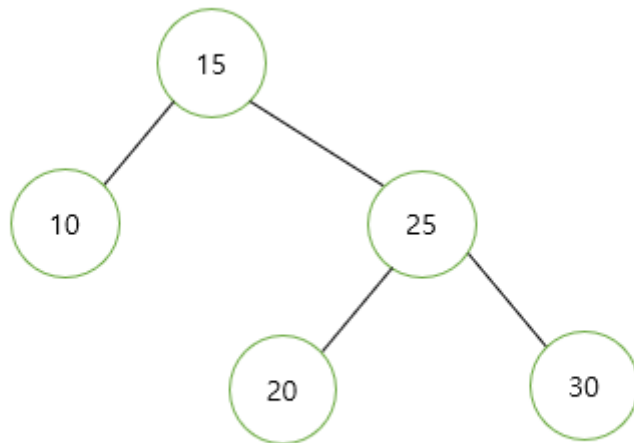
Insert 15
[RL] case 10 ([LL]case 20, [RR]case 10)



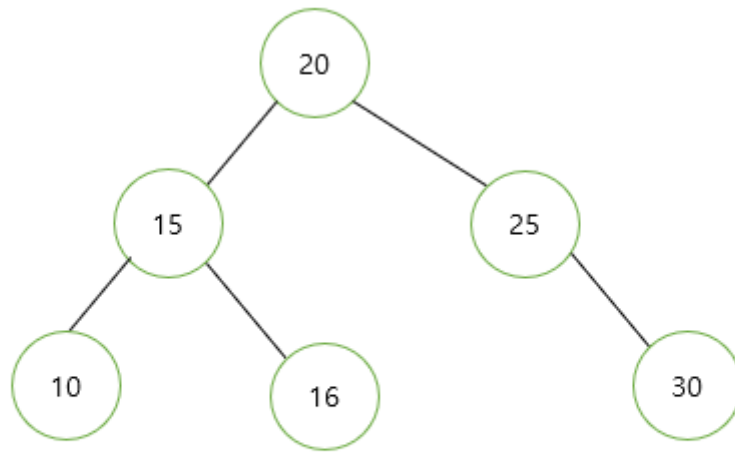
Insert 25



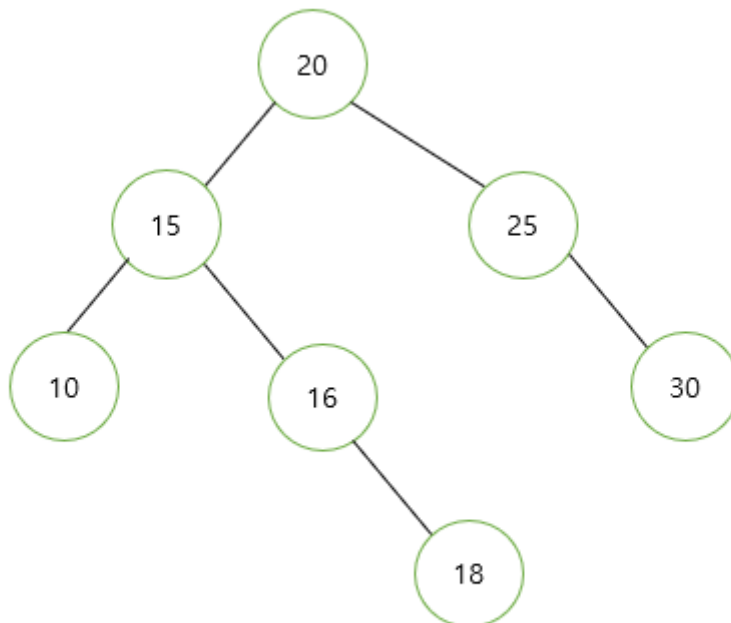
Insert 30
[RR]case 20



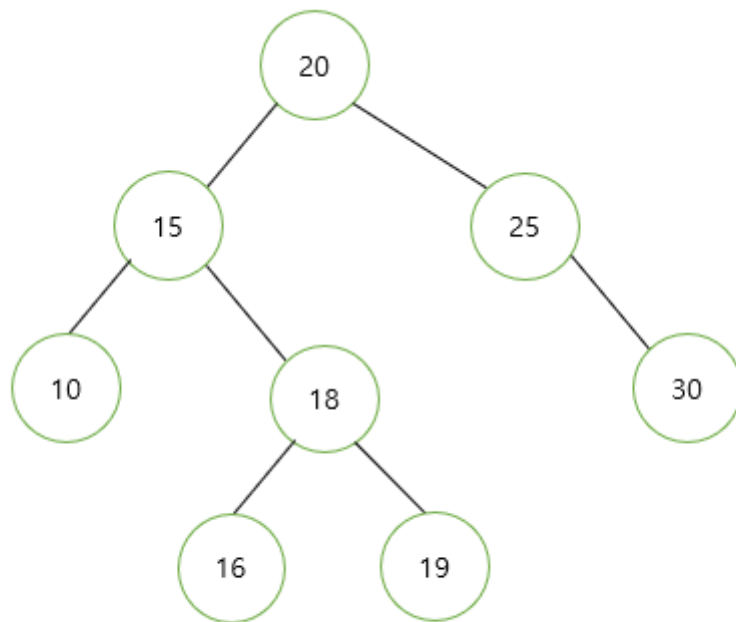
Insert 16
[RL]case 15 ([LL]case 25, [RR]case 15)



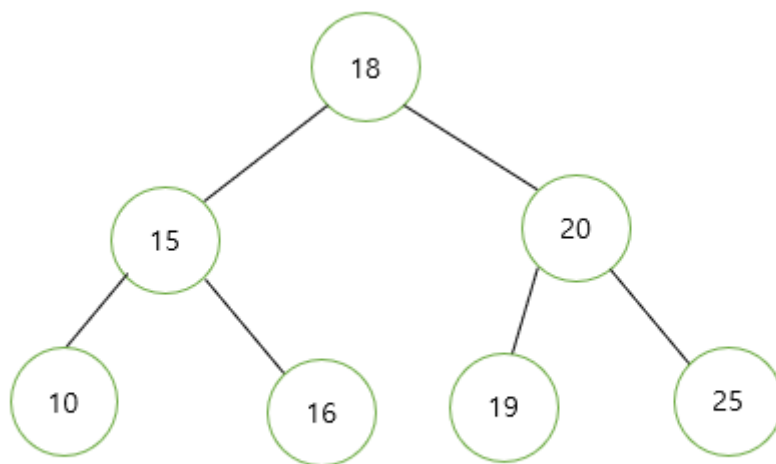
Insert 18



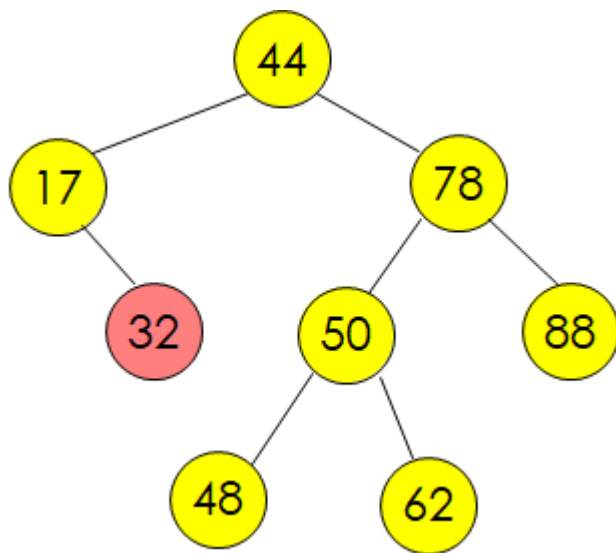
Insert 19
[RR]case 16



Delete 30
[LR]case 20 ([RR]case 15, [LL]case 20)

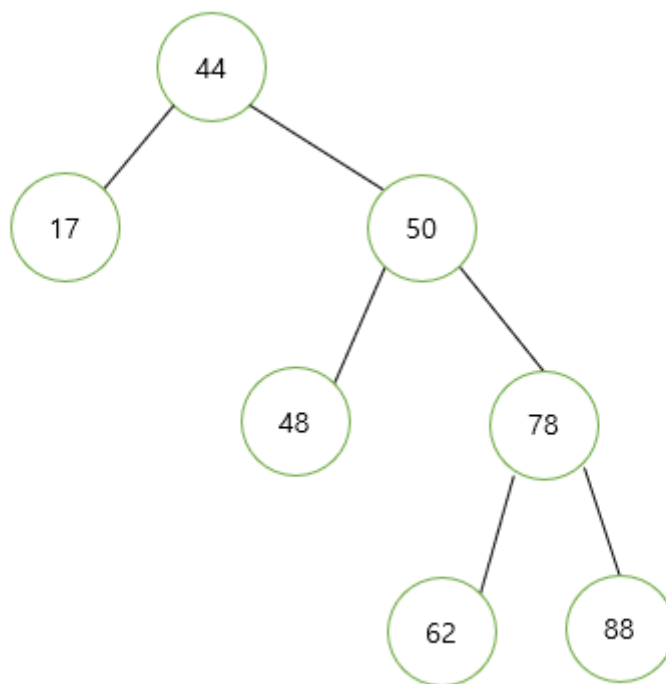


2. Delete 32 in the AVL tree



Answer:

[LL]case at 78



[RR]case at 44

