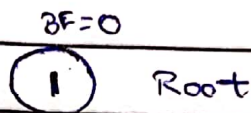


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APPROACH

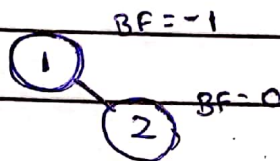
1, 2, 3, 4, 5, 6

→ Insert

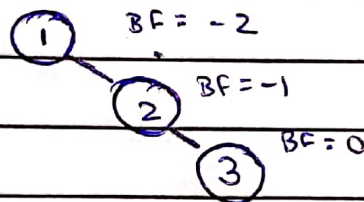


(Balance Factor = BF)

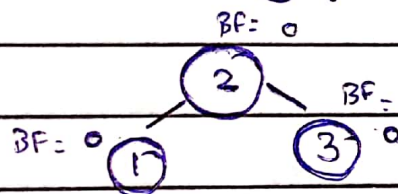
→ Insert



→ Insert

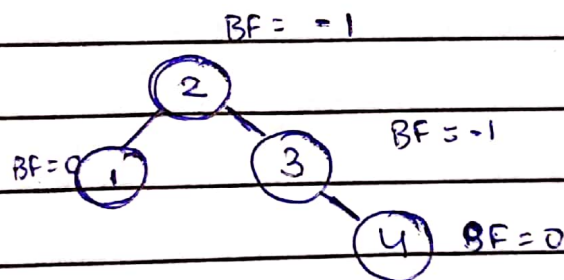


∴ Imbalance (Shift to left)

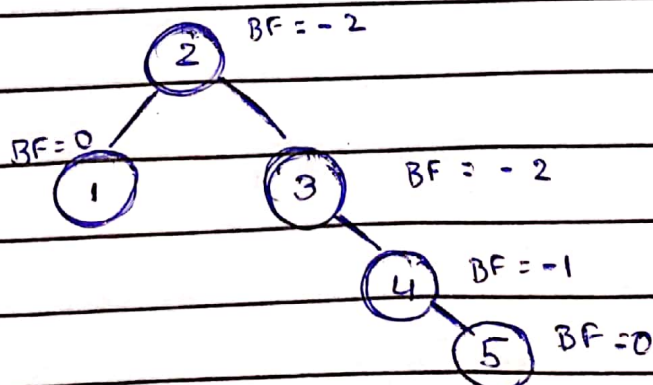


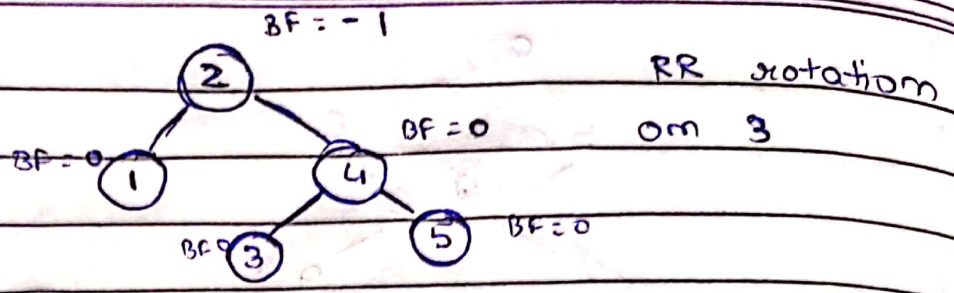
RR Rotation At 1

→ Insert

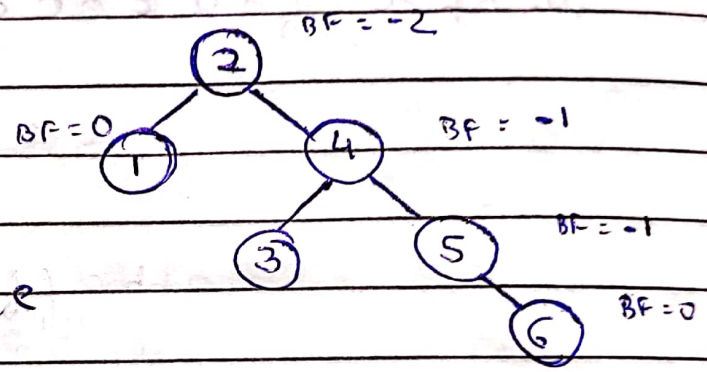


→ Insert

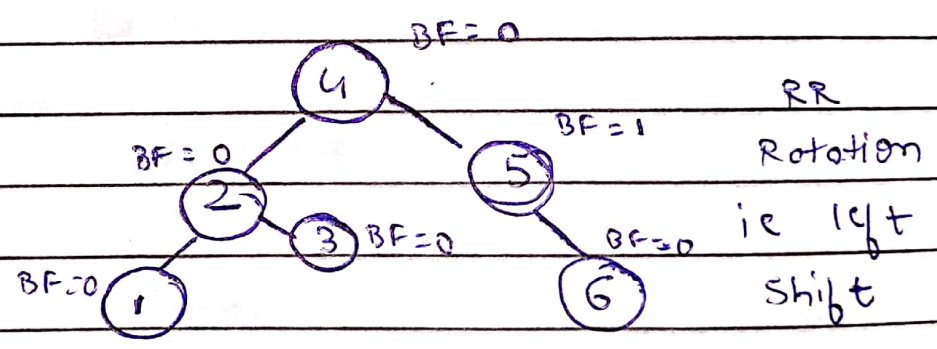




Insert →



Imbalance



∴ This is the final balanced AVL tree.