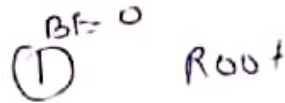


Lab Assignment

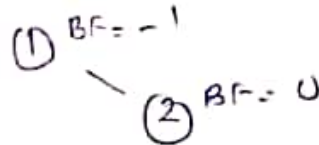
Manoj Kumar
CSE
11/9/1071

1, 2, 3, 4, 5, 6

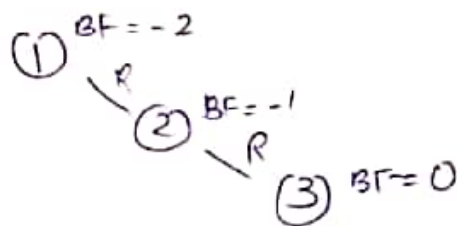
→ Insert



→

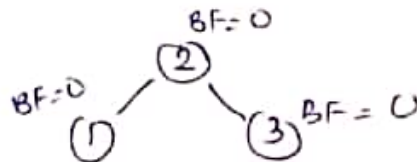


⇒ Insert

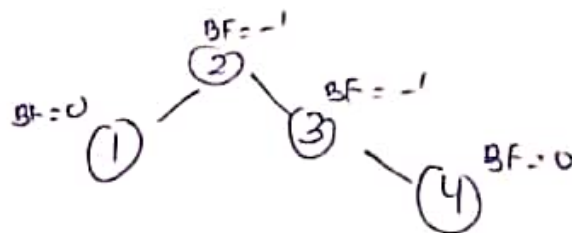


Imbalance at node ①

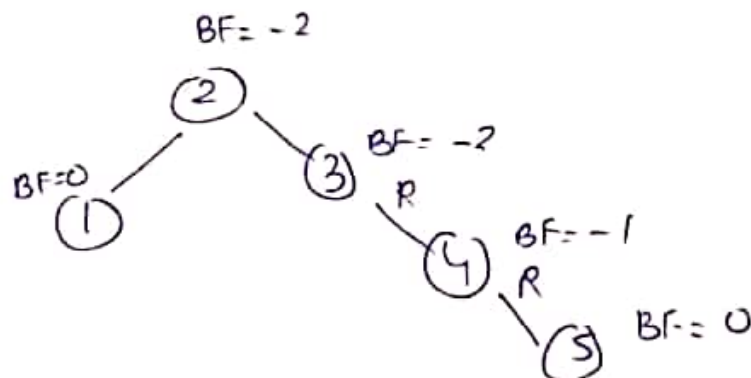
~~Step 1~~ Here → RR Rotation



→

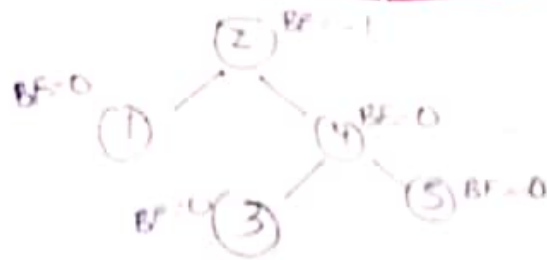


→

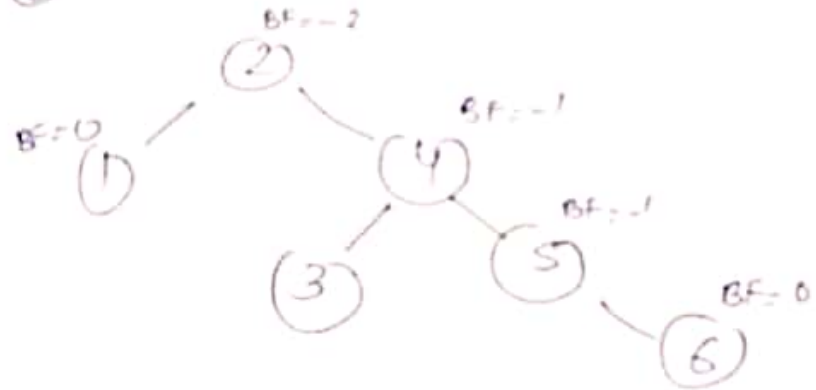


Imbalancing at next 3

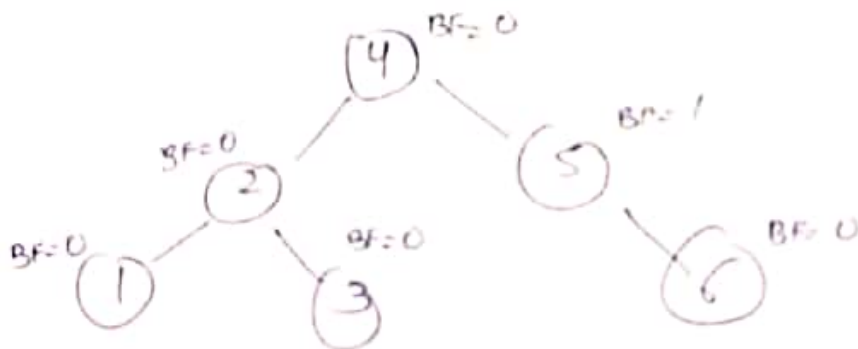
Here → RR rotation



→ Insert (6)



Imbalancing at node (2)
Here → RR rotation



∴ This is the final balanced AVL tree