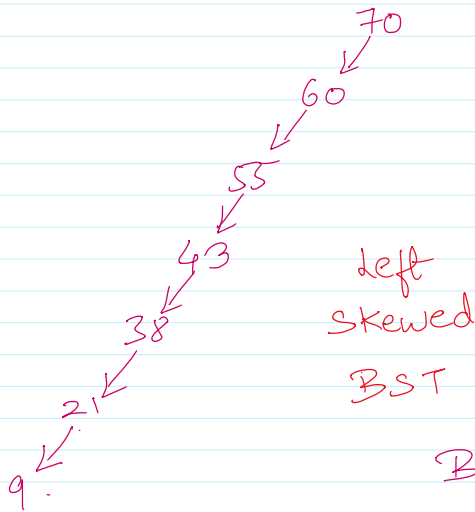
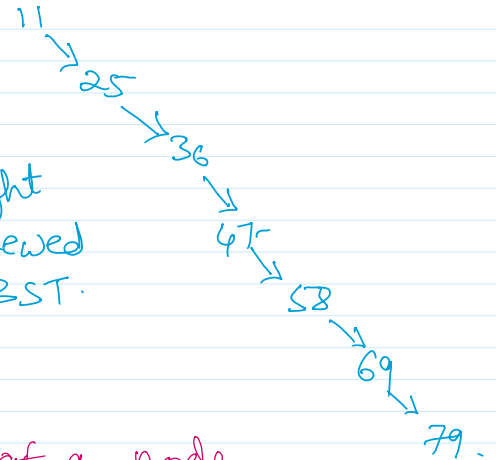


70 60 55 43 38 21 9.

11 25 36 47 58 69 79.



ops  $O(n)$  Right skewed BST.



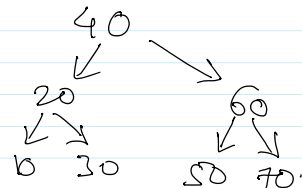
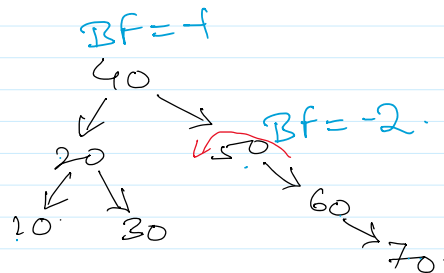
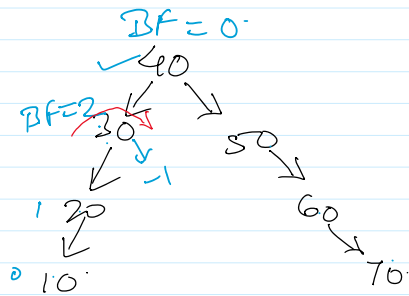
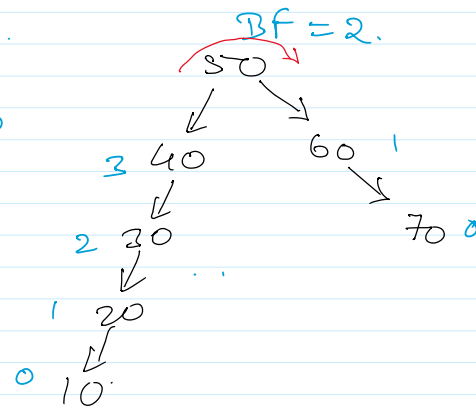
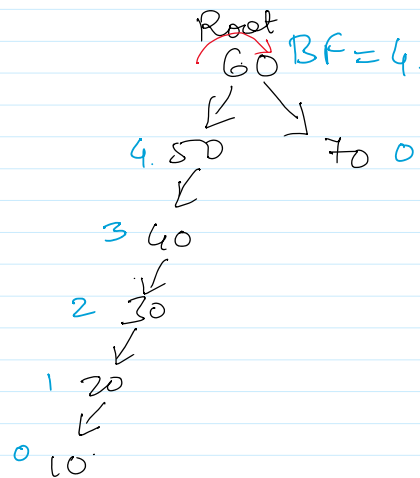
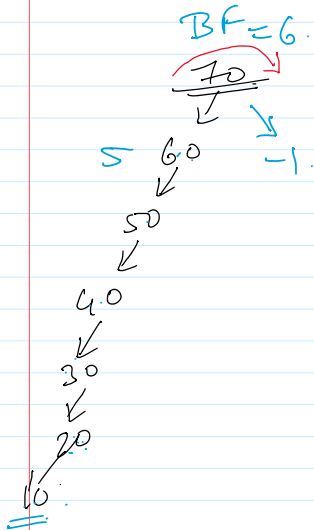
Balance Factor of a node

= height of its Left Sub Tree

height of its Right Sub Tree.

BF should be either -1 or 0 or +1

70 60 50 40 30 20 10.



-1-1

1--1

If the tree is imbalanced, to balance it, we check the

balance factor of each node.

Balance Factor = Height of Left Sub-Tree - Height of Right Sub-Tree.

If the Balance Factor of the node is Less Than -1 , We perform the Left Rotation On that Node.

If the Balance Factor of the node is Greater tha +1, we perform the right rotation on that node.