

Note: - I will be mare barance factor (ie. height of subtree - heigh Insert the following numbers one by one in sequence into an initially empty AVL tree: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. After each insertion, show the initial tree obtained after insertion. If the tree becomes unbalanced, clearly mark the imbalanced node(s) and show the steps of balancing and the

will be indicaring

tree obtained after balancing. Then continue with inserting the next number in sequence and show all the intermediate steps as before. node Inscrt (salanud) (Balamud) (Balanud by Imbalamud (Balanced) Imbalanced (Balance)

Imbalanud,

rotation

