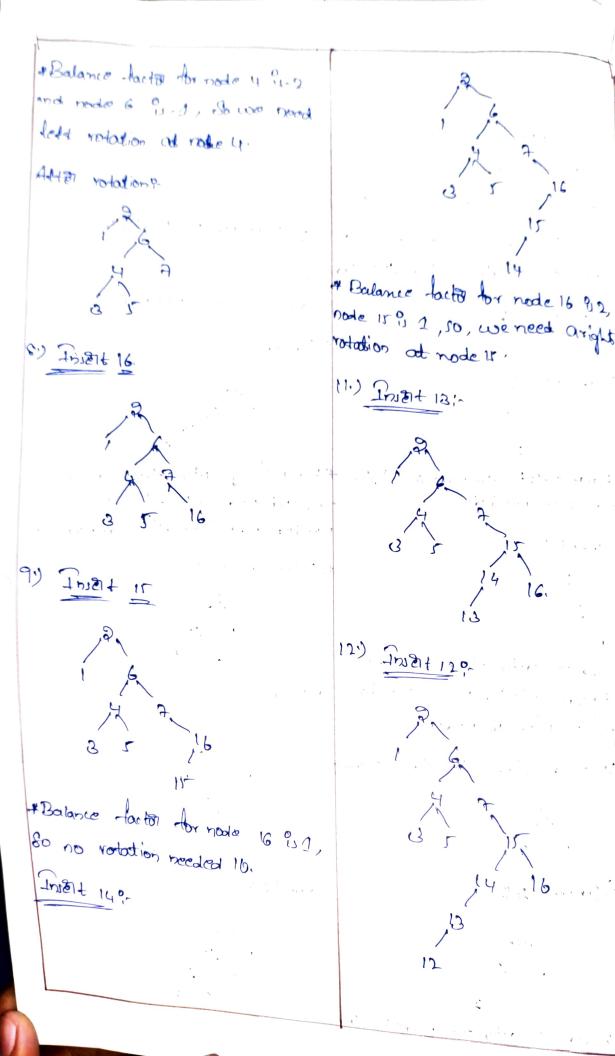
Therefor a company to lighteness the There Fore-wall (Transfer, Disender, 1944 ride) or Prolange Mangains of Don load resident to Litural Manda 5 and doto Abroid Front + Leda Arent trade + right Poland Mode * Cheede Mode (1,4 date) { Bhud Mode & newatte : (Have modes) healter (New of General new data -) data = data; new data sheft a NULL; new data -> right= NULL; roturn new Node; void involver Traversal (struct Node * root) ; it (root = = TNULL) In order Marersal (street P = Lett); Print ("Yed", root -> data); Provider Traversal (root -> right); } void preorder Traversal (struct Node * root) { 14 (100 t = = NULL) return Print ("Ya", root) ada); Preorder Traversal (root > Lett); Preorder Traversal (root -) right); vold potonder traversal (struct Node root)?

I (mad : (MOLL) industry formand (and 1 (all); Porter de dranco de (roat o right); Print ("Yed", noof & data;) 3 ind mainly & offered modelfroot = (rode mode(1); rood -) Lett = Create Node(1); not of right = (reale Mode (3); root -) Letter Lett = (reate Node(4); root -) left + right = Create Node(r); root - right - right = (reate Mode(6); Print (" Inordo Traversal:"). in 81 de Fraveral (not); Printed (" Previder Praverial &"); Preorder Traversal (noot) Drint + ("10"). Printel (11 100+ Olde Traversale!"). Postordon Traversal (port); Prints ("In"); return. J Inputs Creating the tree

Construct ALL tree for the following clowerts 3,2,1,4,06,7 blowed by 10 to 16 in revene order To construct on AVI tree be the gloon clonients. Gloments to Invert · First Sequence: 3, 3,1,4,5,6,7 · Decond Sequence (reverse order): 16,11,14,13,19,11,10. Ateps to Construct the AVI Tree: so, no rotation needed 1) Insert 3: J.) Insert J. an) Injert a: * Baloneing tato for node 3 2 + Balance tactor for node 2 31,00 -2, and node 4,9 -1, 80 we no rotation needed. needed a Lett rotation at node 3. 3) Inserta *Alter rotation * Balance tacta tornode 8 12, and node 2911, so we need a Invert6 ? right votation at node3. +Attel rotation, the tree becomes 4) Insert 4: Insert 7:



factor for node 11 ?12, e 1,00, voe neede a rotation at node 14. 13) Inst 11 *Balance factor for node 14 11 So, no rotation needed. 4 Inset 108

A After votation, the final tree.

This AVL Tree is now balance with given sequence of insertion