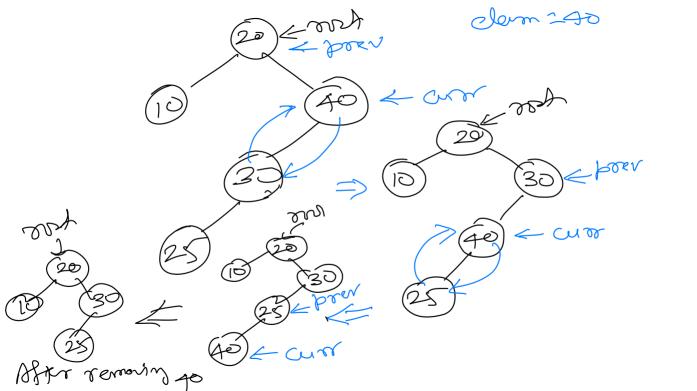
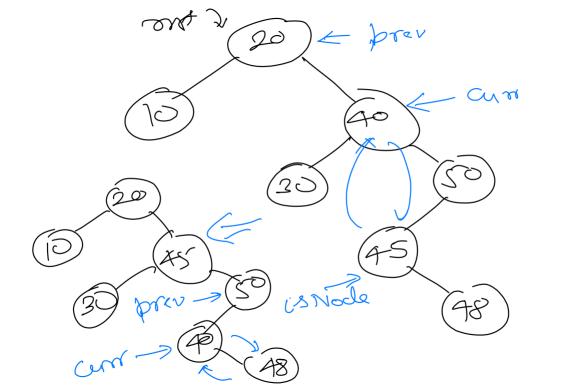
Gram to delete Embty BSJ Delate (clam) 1. Set curr to out. 2. cohile ((com != nell) & & (over, dota ! = clorn)) Set prev to war Can only : f (elem < curr. dota) 2.2. 1 Set curs to curs's leaf node. 1 chi'ld. 2.2.2 Set curr to curr's

Cerro == mell Hen ST cur is a leaf node our if (curre. data < prev. data) rec 5.1.1 Set previo labile to 1.2 Set poer's ochild



when node to be removed has two child. Hen -> Coe find [in order successor node (is) -> coe sous value d'isnodés 'Curr' node s try to delete n'usNal' nade. is the mode that gets processed in mooder tooversol, vight after curo node. In order traversal:

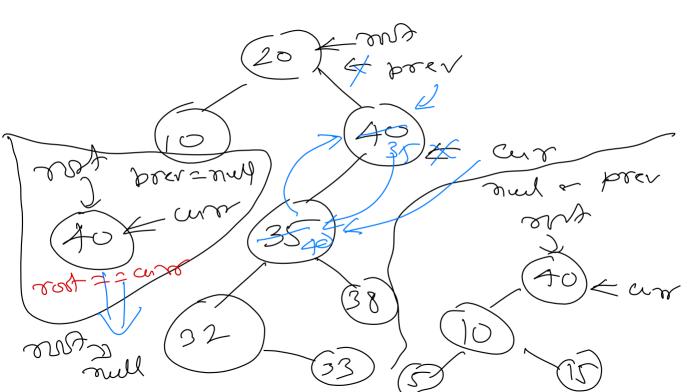
left most child of curro sight child. vistoder Successoo left dil



Algo for loop to be inserted between otp345. 4. celule (cur is not a leaf node) 41 if (curs is naving one dild) 4.1.1 Swap data of corrard its du'id. 4.1.2 Sot porr to curso. 411.3 Set our to its child. TILA CONTANUE 1/ Centrés having two childs, A.2 Find in order successor A curr, 4.3 Swap curr & io Nodk's data

A.A. Set cur to A15 Set poer to is Node's Barent. 4.6 CONTIPUE 2 Mgo + find insoder successor. A

Listis Node Parent = curr is Mode = curos och 1d. le CisNode has (du'ld)? (isNode = is Node's Ich)



vorocder (node) if mode is mul then STOP if (rode, Idvild outst) Abs in order (node, Idvild) con noch if (nod. ochild esists) Hor mooder (nod. ochild

1' cetile (node is not nell) 1.1 Push noch on strok 1.2 Move node tits Ichild 2. Calile (node is NULL) It (stack is not empty) 21) Pop node from Stev. 22 Proces node. 2.5 Set made to by robilding 4 alile (node is not nell) Push noch on stack

Sblem with BST To Hind an S' Record JORC of every node mool in toec.

- AVL Tree Balanced Trecs Height Balanced hp>hL 37124 Balanced Factor of a a tree Every noch in AVL Tree will BF= |h_-he) Find height I affer

Height of a Tree (node) 1, If nale is empty then severn O 2. if nod is leaf nock then N2 2 ARIGHT A OFFRE (node. Ichila) N22 height Da Tree (nod. robild) return it man (ne, hr,

insert = 12345 AVL Trea balance Putos B51 necrest parent of 'n' having in correct balance fector new node when AVL Tree in inserted and balanced than in toee. we perform we pero too m let Robation rotation. Right Robation

