14-10-20 B Prianeeth ADS-lab 1BM18C5023 AVLtree Insertion insert (NODE head, int ele) ? if (they de < head - value) head - left = insert (head - left, key). else if (cle > head > value) head = right = insent (head suight, ele); return head; balance = get Balance (head); if (balance <-1 48 val snode = left = value) enetwin left Rotate (node); if (balance > 1 th val < head - left - value) suctions right Rotate (head); if (balance >1 && de > head > left > value); head - left = left Rotate (fread - left); setwen right Rotate (hodhead); balance < -1 && key < nodehead sought - value) 14-10-20 B Prianceth ADS-lab IBM18cso23 head - sight = right Rotate (head - snight); networn leftRotate (head); neturn head; Deleting a node delete Node (NODE head, int ele) if (ele < head -> value) head-lift = delete Node (head-left, ele); else if (ele > head - value) head - right = delete Node (head right, ele) head root - height = 1+ max (height (head -) left), height (head - sight)]; int balance = get Balance (head); if (balance >1. de getbalance (foot -> left) >=0) return righkotate (head); If Remaining cases are if (balance >1 f & get Balance (head >lef +) <0) head soft = left Rotate Chead -> left); neturn night Rotate (head); I /* Remaining cases are same as done during?