void RB fine: wtade heft ( Node & & hort, Node x 6 66) Node = pt-wight = pt - wight; pt right = pt-right - left
if (ft + right! = NULL) pt > right -> parent = 66; to right - farent = pt - parent ef ( pt - parent = = NULL) wot = pt-light; else if (pt == pt - parent - left) pt - parent - left = pt = right; Else pt → parent → right = pt - right; p 6 → farent = pt - right void RBfue : notate Right (Node & a root, Node & ept) Node « þt left = þt +left; pt → left = pt-left - wight if ( pt + lift ! = NULL) pt - left - parent = pt pt- left - parent - ft - parent: look = pt-left. else if ( pt == pt -> parent -> left)

pt -> parent -> left = p6\_left pt - parent - right - pt-left

4 Function to inject a new hode with void RB tree : just (const int & data) Node x pt = new Node (data): work - BST Eyest ( work, pt); fir Voolation ( wol, ft): 11 Function to do inolder and level order traverials void RBTue: inolder () 2 inorder Helper (noot); 3 Void RBTue :: level Order () 2 level Order Helper (400t); 3 nev facts