

⑥ BST to Greater tree: Convert BST to tree where value of each node n is ~~an~~ n.value + sum of all node values greater than n.

Algo:  
① Reverse inorder traverse the BST with sum = 0

② when last node is reached (rightmost) then sum all nodes.

Greater tree (Node root) {

~~if (root == null) return;~~

GreaterTree(root, 0);

}

int GreaterTree (Node n, int sum) {

if (n == null) return sum;

sum = greaterTree (n.right, sum);

n.value += sum;

greaterTree (n.left, ~~n.value~~);

return n.value;

}

OR

Node ToGreater Tree (Node n) {

if (n == null) return null;

n.val += bstHelper (n.right);

bstHelper (n.left);

return n;

}

int bstHelper (Node n) {

if (n == null) return 0;

n.val += bstHelper (n.right);

bstHelper (n.left);

n.val return n.val;

}