

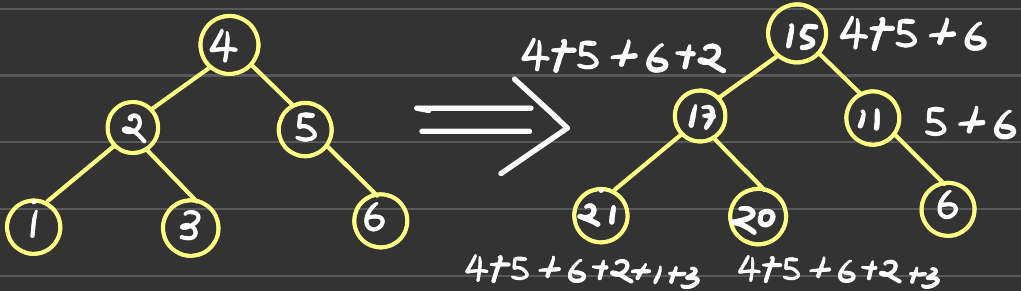
LEETCODE 1038

By

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BST (BINARY SEARCH TREE) TO GST (GREATEST SUM TREE)



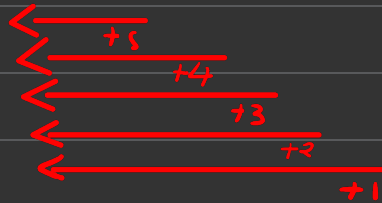
Algorithm:-

We have inorder of the following BST As:-

1 2 3 4 5 6

REVERSE INORDER:-

6 5 4 3 2 1



6 5 4 3 2 1

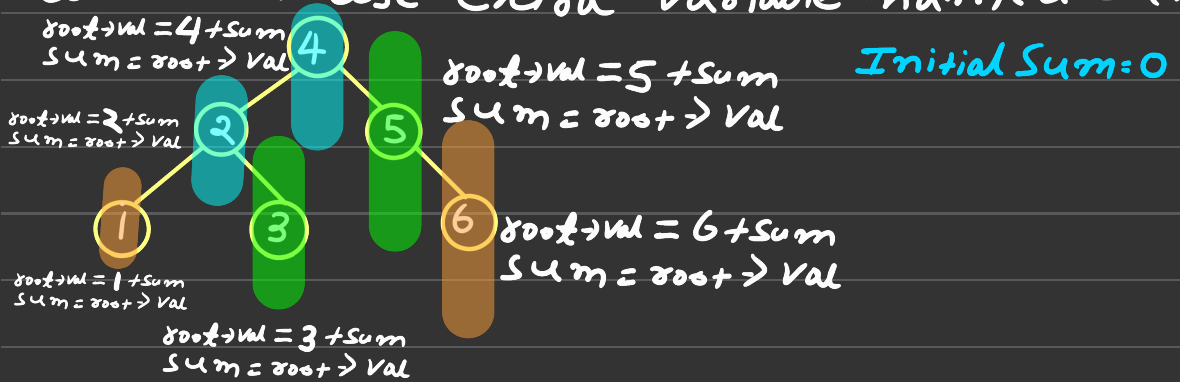
$\rightarrow v.size() - 1$

6 11 15 20 17 21

IN this way we would

edit the value of each node...

We would use extra variable named sum



Code Implementation:-

```

1  class Solution {
2  public:
3      int sum = 0;
4      void rev_in_order(TreeNode* root){
5          if(root == NULL) return;
6          rev_in_order(root->right);
7          root->val += sum;
8          sum = root->val;
9          rev_in_order(root->left);
10     }
11     TreeNode* bstToGst(TreeNode* root){
12         rev_in_order(root);
13         return root;
14     }
15 };

```

→ updation:-

→ to modify the BST