Maximum path sum in BST

class Solution {

int res=Integer.MIN\_VALUE;

public int maxPathSum(TreeNode root)

{

solve(root);

return res;

}

public int solve(TreeNode root)

{

if(root==null)return 0;

int l=solve(root.left);

int r=solve(root.right);

int temp=Math.max(Math.max(l,r)+root.val,root.val);

int ans=Math.max(l+r+root.val,temp);

res=Math.max(res,ans);

return temp;

}

}