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* Definition for a binary tree node.
* public class TreeNode {

* int val:
    int val;
    TreeNode left;
    TreeNode right;
    TreeNode(int x) { val = x; }
class Solution {
  public int kthSmallest(TreeNode root, int k) {
     Stack<TreeNode> s = new Stack<>();
     traverse(s, root);
     while (!s.isEmpty()) {
       TreeNode node = s.pop();
       k--;
       if (k == 0)
          return node.val;
       traverse(s, node.right);
     return -1;
  }
  private void traverse(Stack<TreeNode> s, TreeNode node) {
     while (node != null) {
       s.push(node);
       node = node.left;
    }
 }
}
```