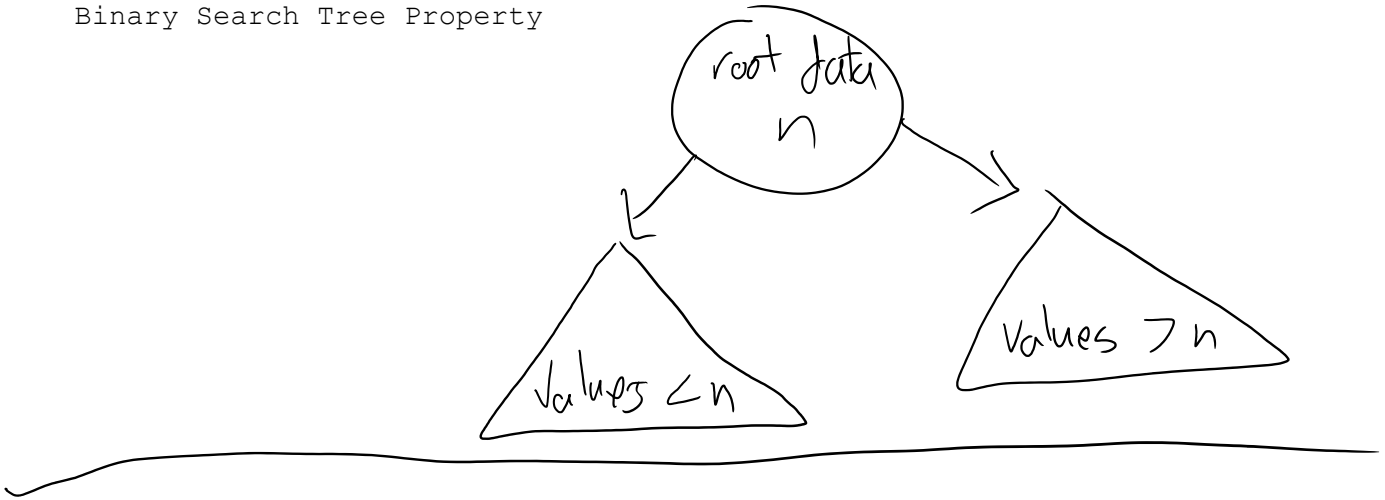


## 8-5: Binary Trees II

### Binary Search Tree Property



Two ways to change a LinkedList:

- Change front
- Change some preexisting node's .next field

Three ways to change a binary tree:

- Change overallRoot
- Change some preexisting node's .left field
- Change some preexisting node's .right field

Steps to convert a private helper method that doesn't modify tree to one that does

1. Return the IntTreeNode that you want to have at that spot of the tree
2. Change the method signature of the private helper method to return an IntTreeNode
3. Everywhere you recurse, catch the return with `x=change(x)` (eg. `overallRoot = add(overallRoot), root.left = add(root.left)`)