Boone Tison

Homework #6

1. T/F
2. True
3. True
4. False
5. True
6. False
7. False
8. True
9. In a binary tree, the maximum number of children a node can have is 2. The maximum number of nodes at height 0 is 1, at 1 it is 3, at 2 it is 7. This is all equal to 2^h+1 – 1.

Boolean isIsomorphic (Tree1, Tree2)

Return Isomorphic helper (Tree1 root, Tree2 root)

Boolean Isomorphic helper (node1, node2)

If both are null return true

If one is null and the other isn’t return false

If both exist

Helper (node1 left, node2 left)

Helper (node1 right, node2 right)