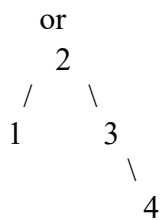
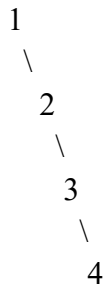


Work with your neighbor. (This will be graded for participation only.)

1. Draw 2 trees from the following in-order traversal: 1 2 3 4

ANS: two possible trees

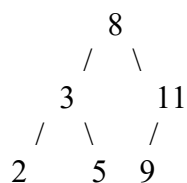


2. Given the preorder and inorder traversals below, draw the resulting tree. Use the method covered in lecture to construct the new preorder and inorder sequences required to complete each step of the tree construction.

Preorder: 8 3 2 5 11 9

Inorder: 2 3 5 8 9 11

ANS:

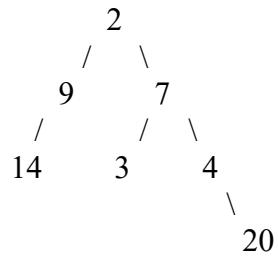


3. Given the preorder and inorder traversals below, draw the resulting tree.

Preorder: 2 9 14 7 3 4 20

Inorder: 14 9 2 3 7 4 20

ANS:



STOP NOW! We'll cover more material before continuing the ICA.

Note: Problems 4-6 moved to ICA-26.