

Project 3 Written Q

Suppose we have the following set of numbers {10, 11, 15, 19, 23, 78, 42, 56, 18, 13, 12, 38, 47, 43, 52}

a. Determine the order of insertions with this set of numbers that will result in a perfectly balanced BST.

23 13 47 11 18 42 56 10 12 15 19 38 43 52 78

b. Show the results of a preorder traversal of this tree.

23 13 11 10 12 18 15 19 47 42 38 43 56 52 78

c. Delete the root, make a diagram of the resulting tree.

