CSE 373: Section 4

AVL Insertions and Traversals

April 20th

1   AVL insertions

Show an AVL Tree as each of the following keys are added (in the order given). You may ignore their corresponding values.

$$\{13, 17, 14, 19, 22, 18, 11, 10, 21\}$$

Show the tree at each step.

2   Traversals

Produce the BFS traversal ordering as well as pre-order, in-order and post-order traversals of the tree produced from Part 1

3 AVL insertions

Show an AVL Tree as each of the following keys are added (in the order given). You may ignore their corresponding values.

$$\{1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

Show the tree at each step.

4 Traversals

Produce the BFS traversal ordering as well as pre-order, in-order and post-order traversals of the tree produced from Part 1