

CSC263: Problem Set 3

October 8, 2019

1 Problem 2

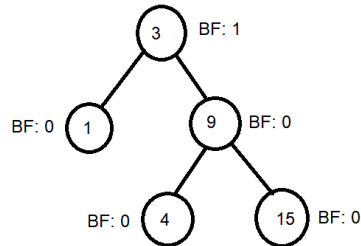


Figure 1: AVL Tree with given insertions and rotations completed.

- (a)
- (b) One double right-left rotation was performed (in the tree after insertions).

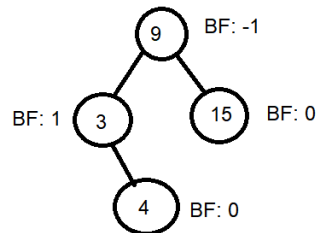


Figure 2: AVL Tree with given deletion and rotation completed.

- (c)
- (d) A single left rotation was performed, rooted at 3 (in the tree prior to the deletion).