

## CSE 332: Data Structures and Parallelism

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### AVL Trees Solutions

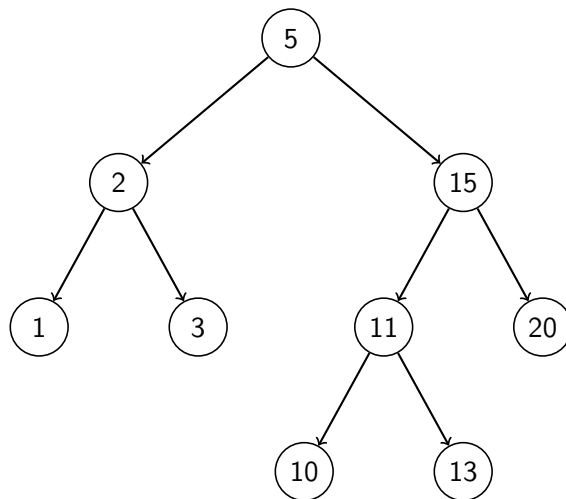
#### Balancing Act

(a) Insert the following numbers into an **AVL Tree** in the order provided:

10, 15, 5, 2, 1, 3, 20, 13, 11

Showing your work might be prudent on a real exam (for partial credit).

**Solution:**



NOTE: We will need to do a single rotation when inserting the 1 and the 20, and a double rotation when inserting the 3 (10-2-5 kink) and the 11 (10-13-11 kink).