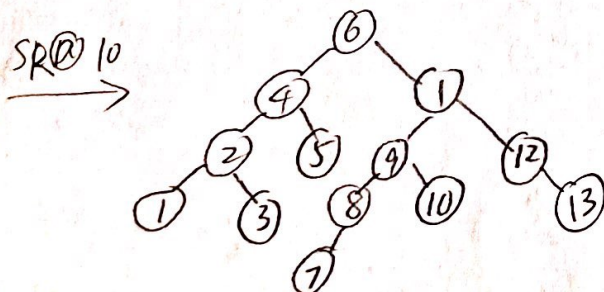
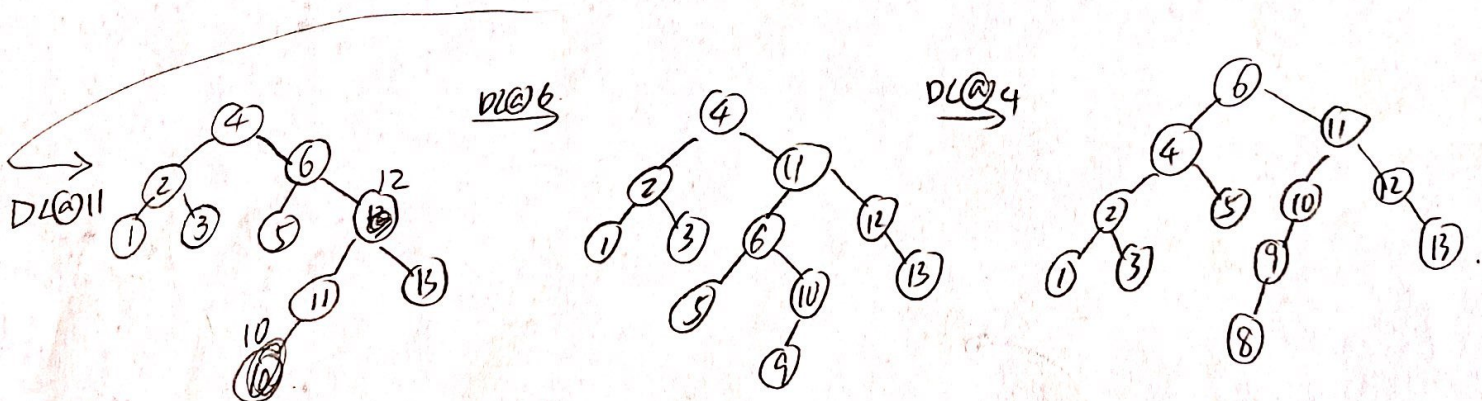
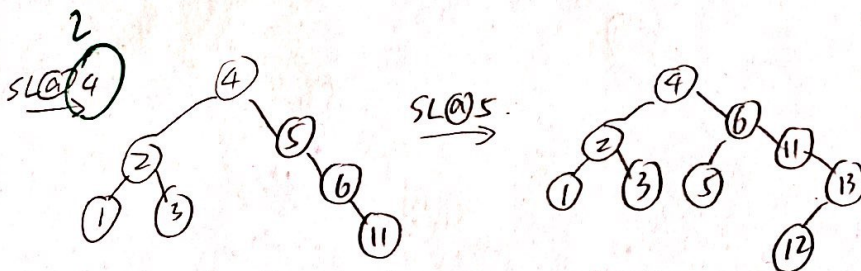
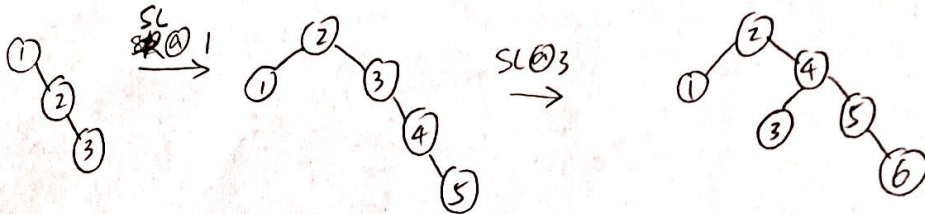


It's important to practice rotations in many different situations, since it will help your programming.
Due at the beginning of day 15.

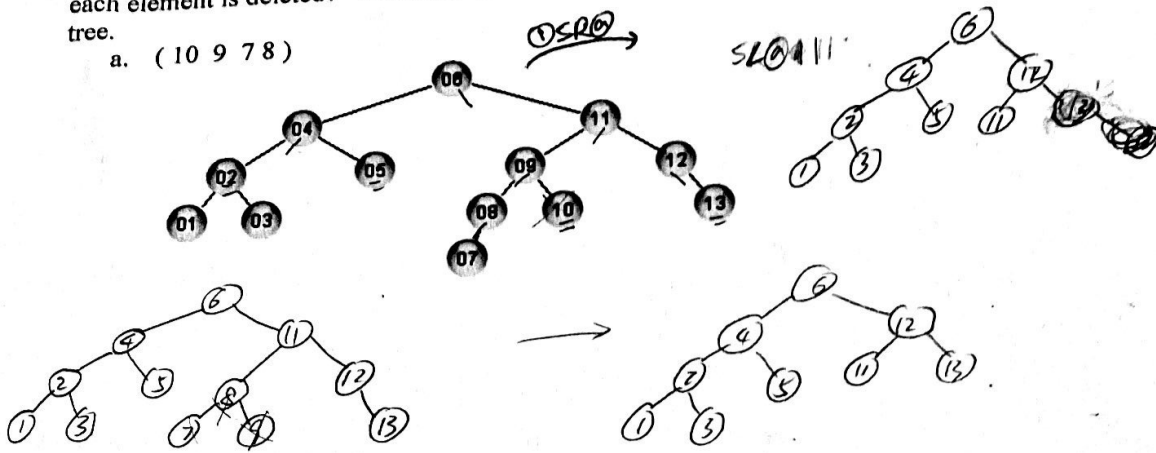
- Start with an empty AVL tree. Add elements in the following order; do the appropriate rotations when needed. Redraw the tree after each **rotation** (not necessarily after each insertion). **Label each rotation** – for example, the first should say SL@1. (single left rotation at imbalanced node 1). Then check your work using this website: <https://www.cs.usfca.edu/~galles/visualization/AVLtree.html> or with a teammate who worked independently of you. (To check your work, the final tree is on the reverse side of the page.)

1 2 3 4 5 6 11 13 12 10 9 8 7

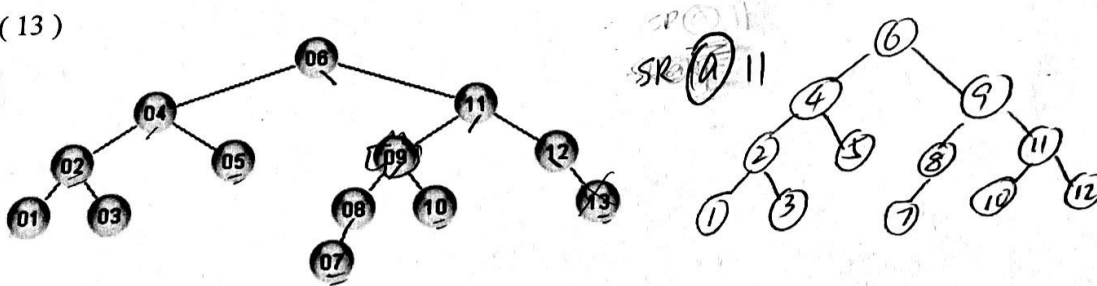


2. How should we rebalance if each of the following sequences is deleted from the provided tree, rotating as needed after each element is deleted? Whenever there is a rotation, notate the type of rotation (e.g., "DR@5") and draw the new tree.

a. (10 9 7 8)



b. (13)



c. (1 5)

