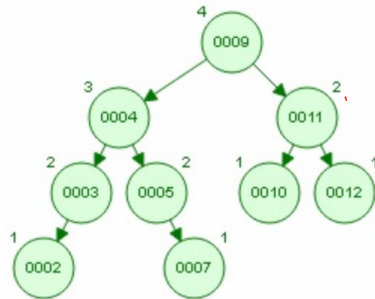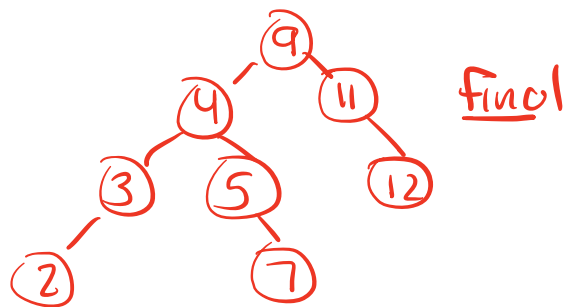# Problem 1 - AVL Operations (10%)

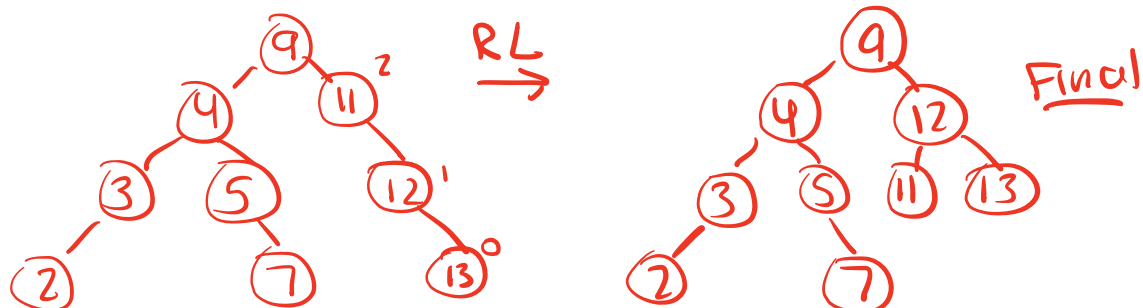Consider the following initial configuration of an AVL Tree:

Draw the tree representation of the AVL tree after each of the following operations, using the method presented in class (when deleting, always promote a value from the right subtree...your successor). Your operations are done in **sequence**, so your tree should have 9 values in it when you're done. Make sure to clearly indicate each of your final answers.

- Remove 10
- Insert 13
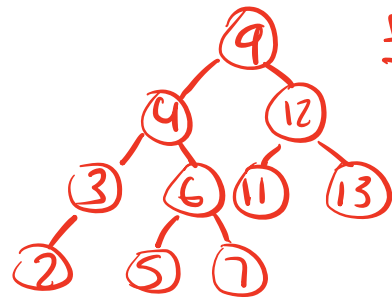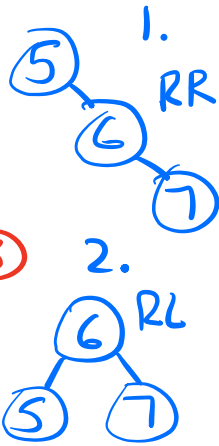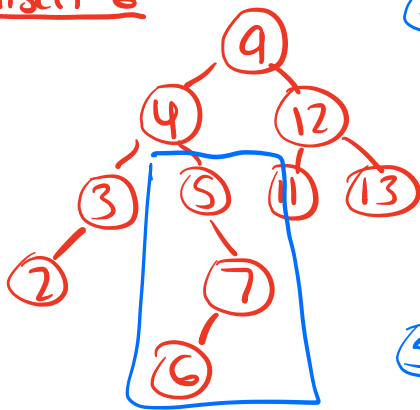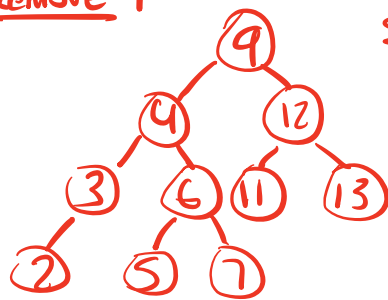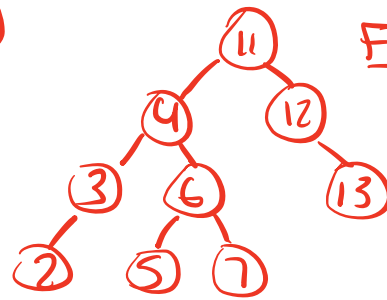- Insert 6
- Remove 9
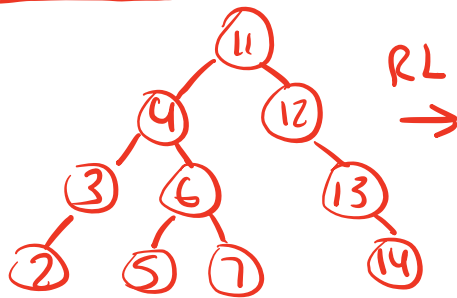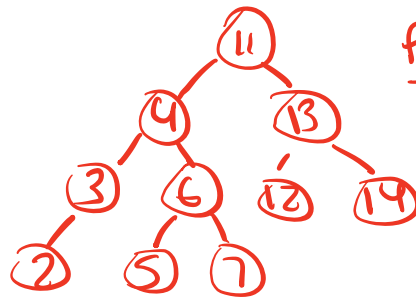- Insert 14
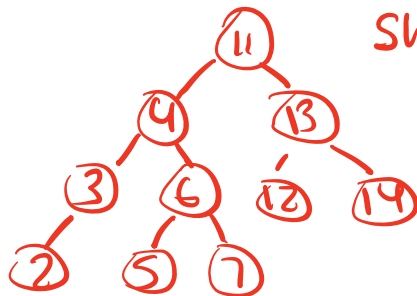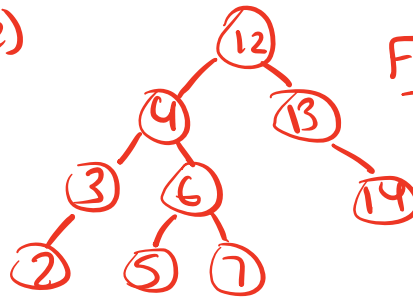- Remove 11

Insert 6

1. RR

2. RL

Final

Remove 9

swap(4,11)

Final

Insert 14

RL →

Final

Remove 11

swap(11,12)

Final