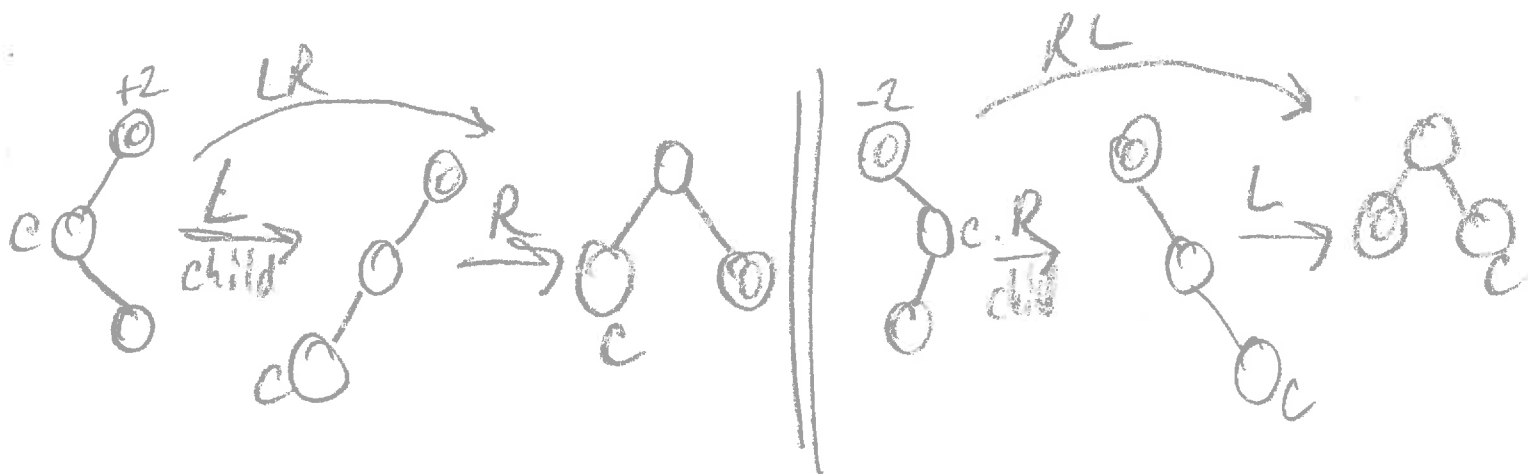
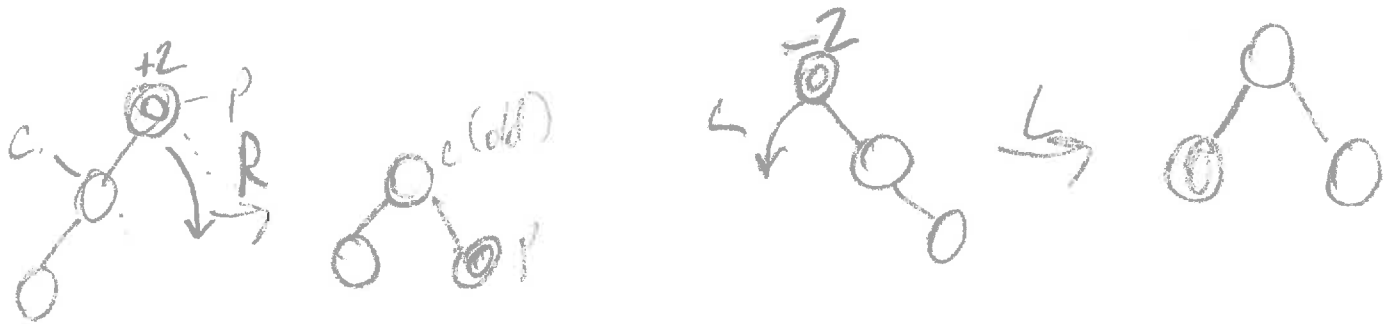
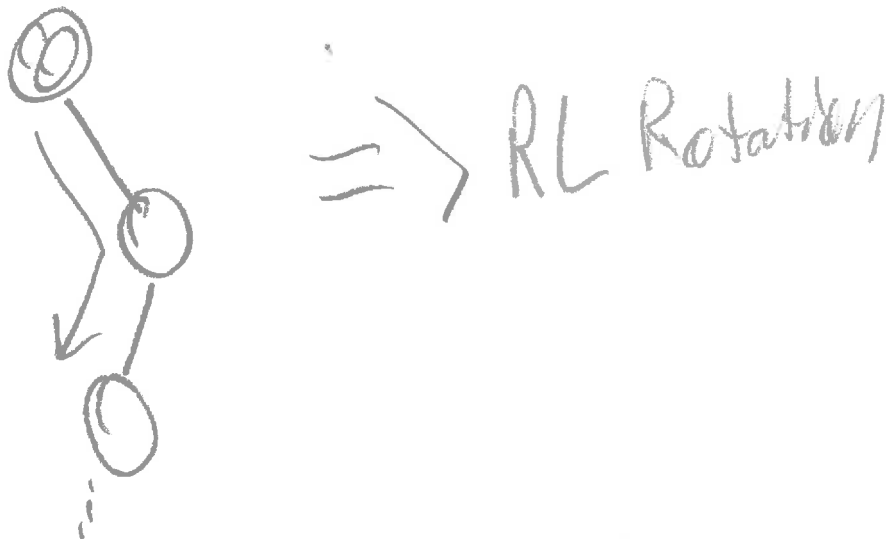
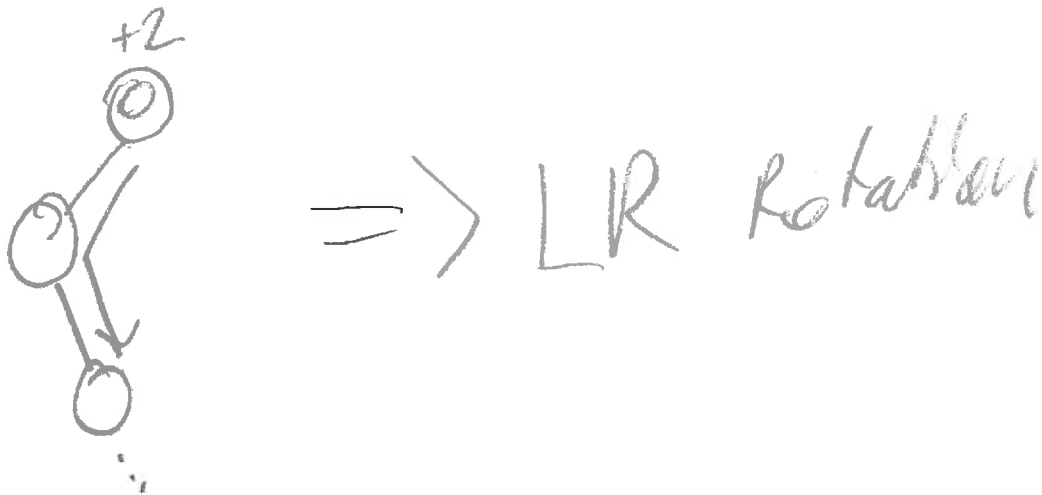
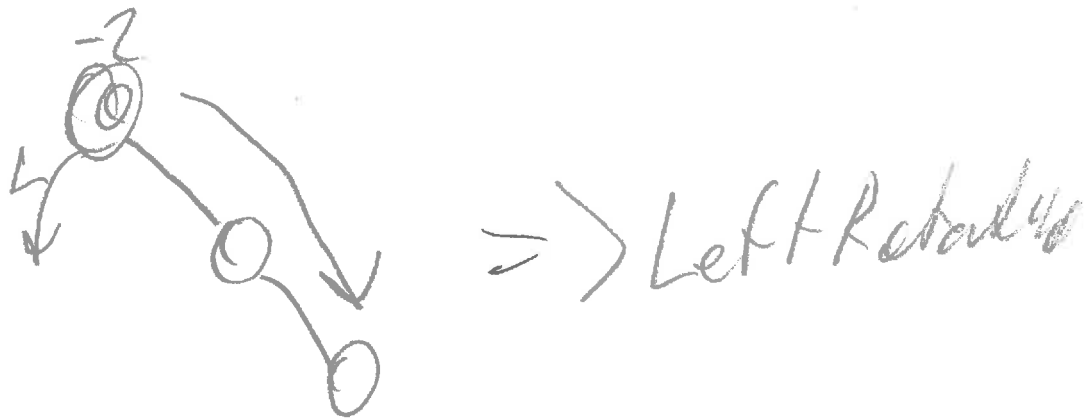


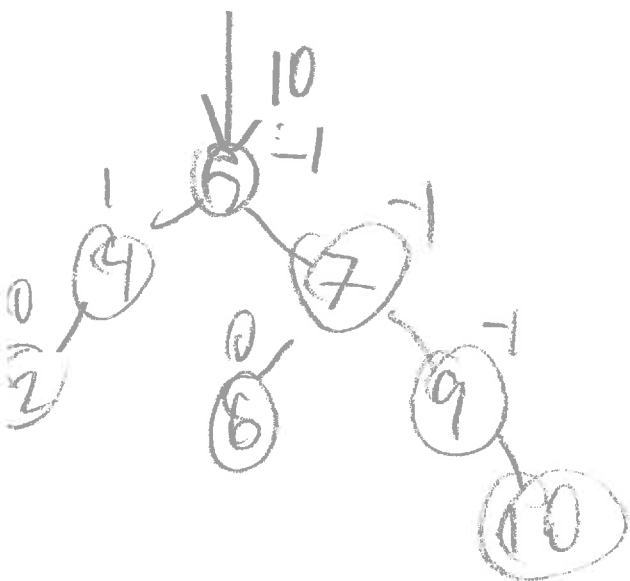
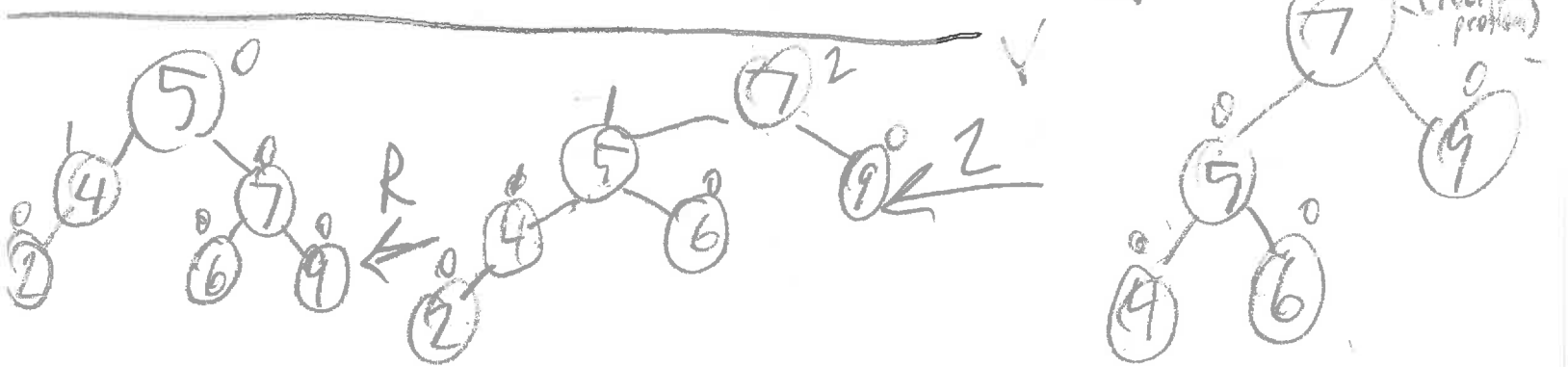
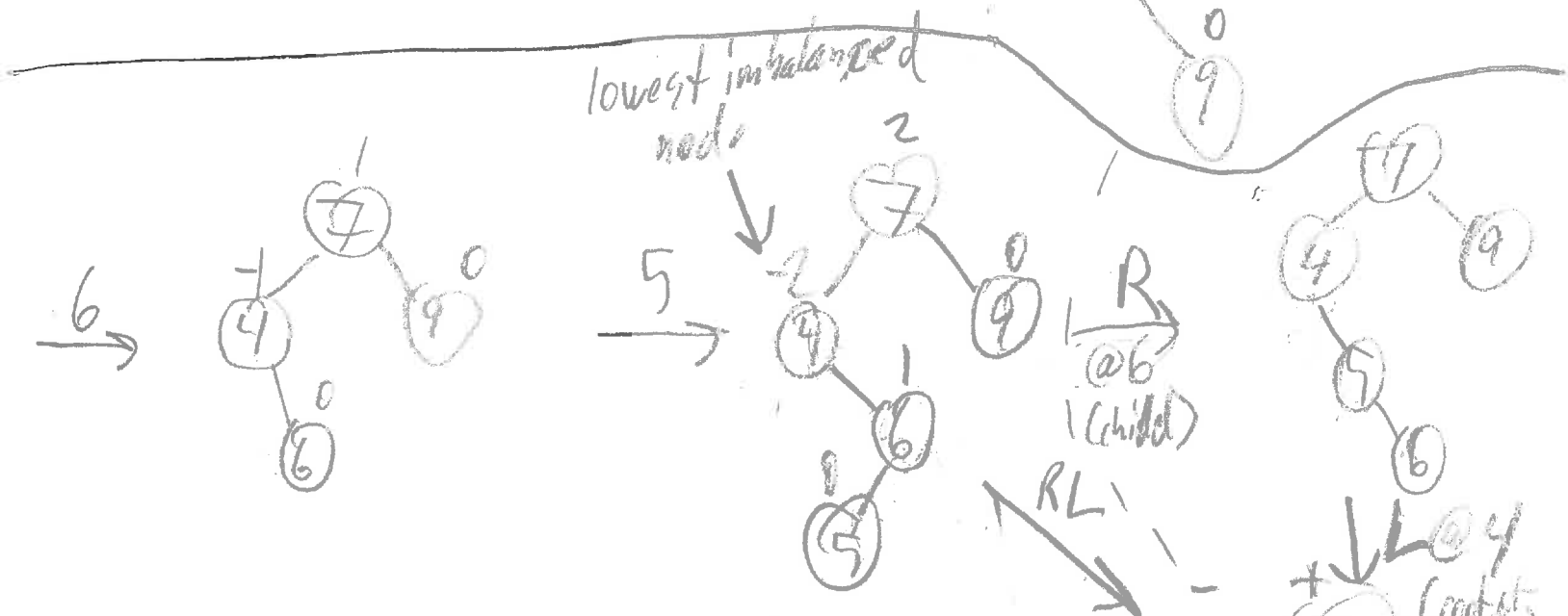
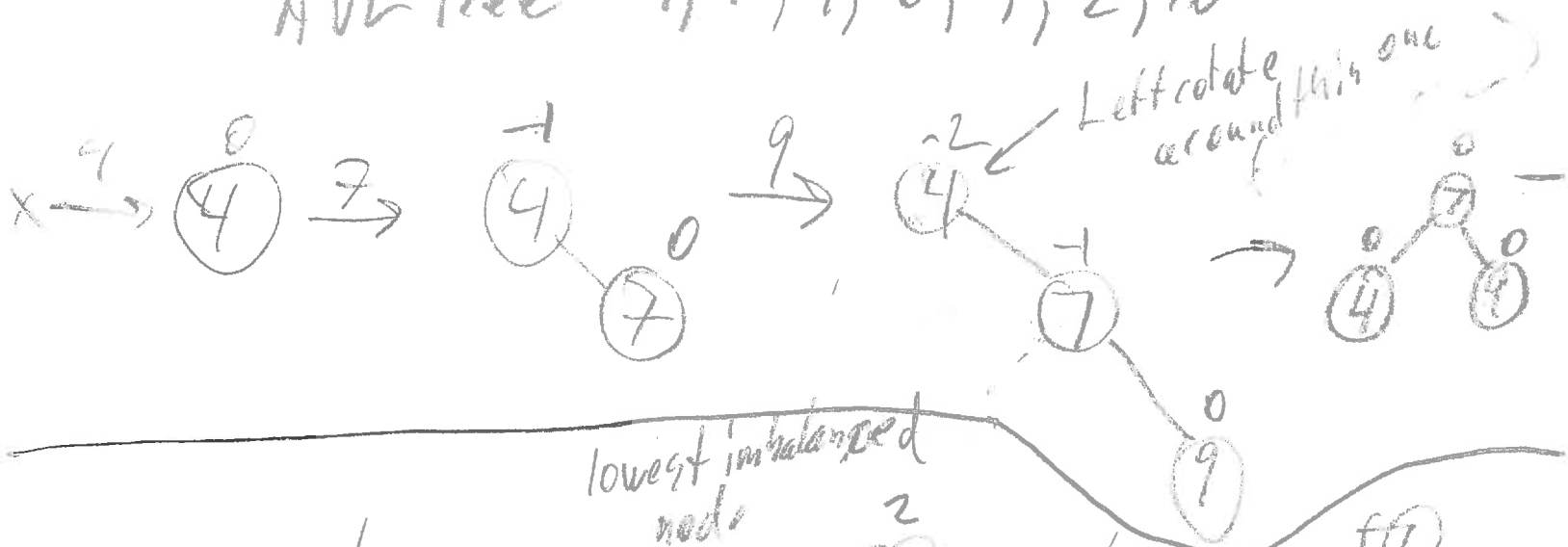
Which Rotation to do?

- Look at the deepest node that's imbalanced ($+2$ or -2), closest to addition.
- Note the "path" the node took near the imbalanced node and the child
- "around" one of its children - it will be the one which had the new node added to one of its subtrees.
- "direction" of rotation is around the child
- have to be added to a child's subtree to increase height > 1





AVL Tree - 4, 7, 9, 6, 5, 2, 10



When doing LR rotation - do
L - Rotate around child, then
right around imbalanced node
Use the child that had the new
node added to it.

AVL Tree 6, 3, 8, 5, 1, 4, 9

