# **Quiz 06 Review Session**

COMP 210 / 2024 Summer Session I

Second-to-loss

Ajay Gandecha

#### **Quiz 06 Format**

- 30 minutes at the start of class.
- On paper bring a pencil!
- Question Types:
  - Multiple choice, T/F, select all that apply, fill in the blank, drawing trees

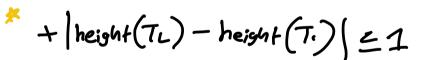
### **Exercise Check-In Question**

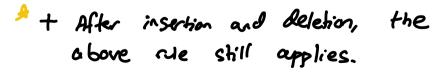
- Similar format to the exercise question on the last quiz.
- Review **Ex09**. + **Ex10**?
- Questions?

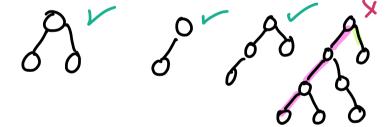
### On Quiz 06

- AVL Trees (Self-Balancing BSTs)
  - → Invariants
  - -> Purline
  - -> lasurting / Deleting (Potations)

### **AVL Trees**





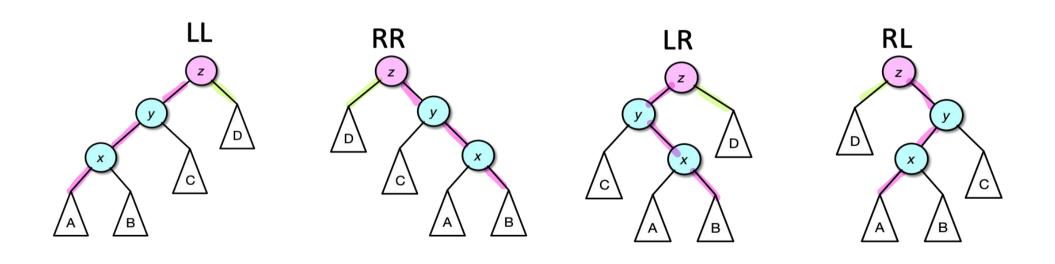


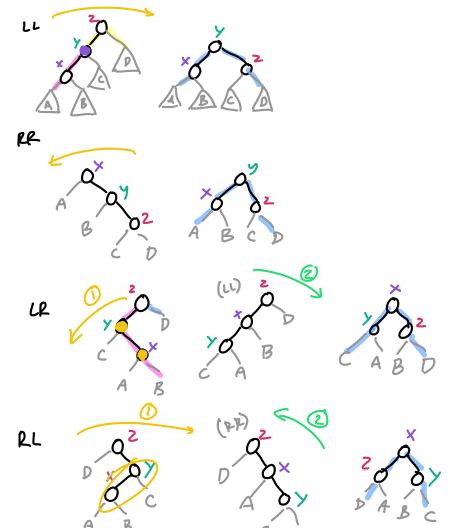
## **AVL Trees Time Complexity**

```
Insert: O(logN) 94- 1003: 0(1)
```

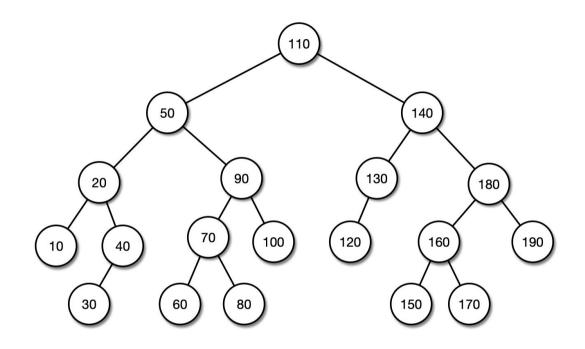
Delete: O(logN) Individual But, inserting Idekting 10(1) is occupy b/c of recursion

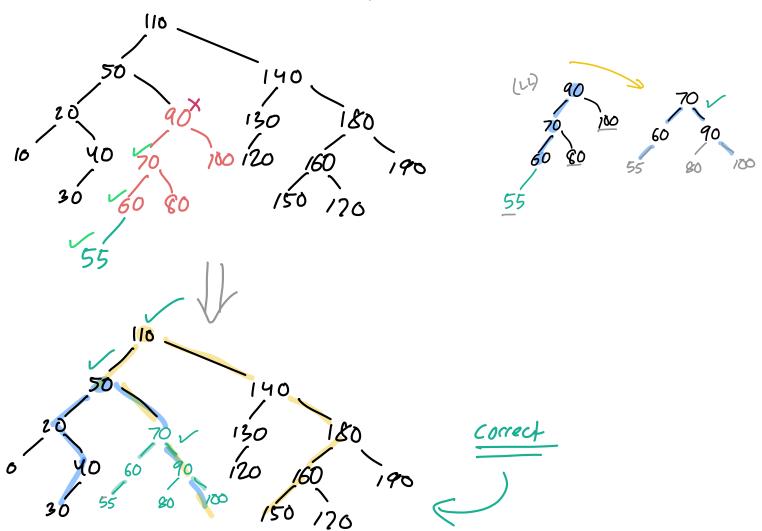
## **Rotations**



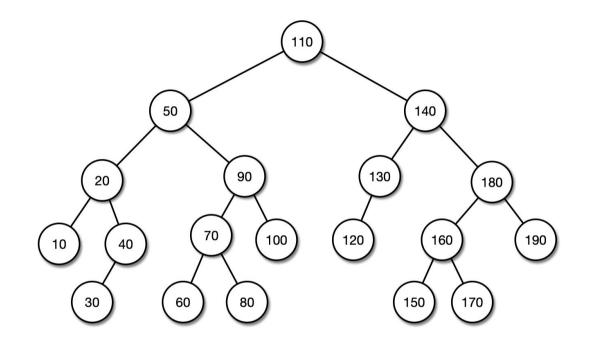


Add 55

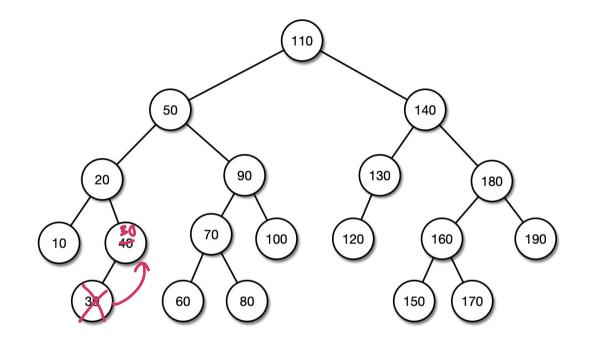




Remove 110



Remove 40



Remove 40

