Time estimate for current problem: 10 minutes

Please copy this template and change the name to be "Group_Work_Breakout_Room#" where # is replaced by the number of your breakout room. I can keep track of progress by checking in on these documents. You may use these notes for your group in addition to code you write.

Breakout Room Number:

All Team Collaborators: David Wen, Arman Roshannai, Nicholas Marcotte

Roles:

http://teachingcenter.wustl.edu/wp-content/uploads/2017/12/POGIL-role-cards-traditional.pdf

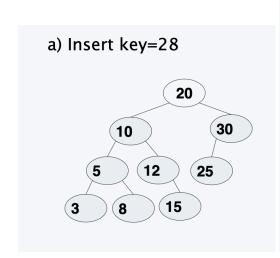
Facilitator:

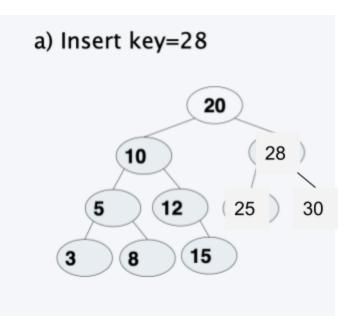
Presenter:

Strategy Analyst:

Recorder:

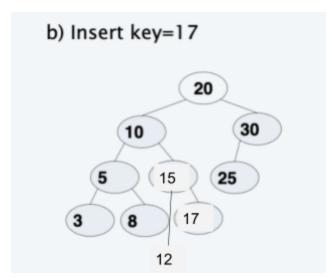
1.





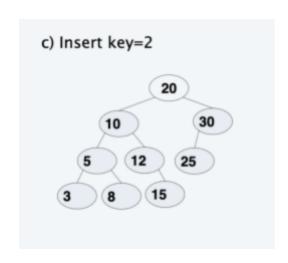
Insert 28 as right child of 25 Zig-zag: rotate left at 25, rotate right at 30

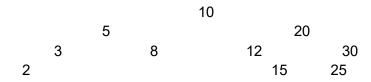
2.

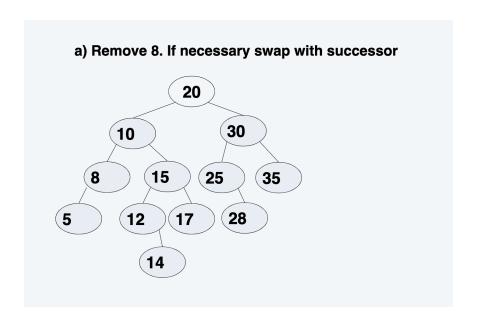


Insert as right child of 15 Zig-zig: rotate left on 12

3. Insert 2 as left child of 3, unbalanced node is 20, rotate right on 20







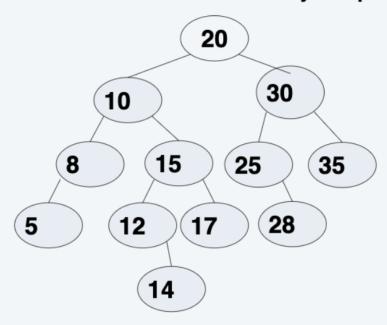
Swap 8, 5; remove 8 Diff = -1

b(10) = 2 Zig zag Rotate right (12,15) Rotate left (10,12)

b) Remove 10. If necessary swap with successor 20 8 15 25 35 11 11

Swap (10, 11) Remove (10)

c. Remove 30. If necessary swap with successor



Swap (30, 35)

Remove (30)

b(35) == -2 Zig zag

Rotate left (25,28)

Rotate right (30, 28)

b(20) == -2

Zig zag

Rotate left (10,15)

Rotate right (15,20)