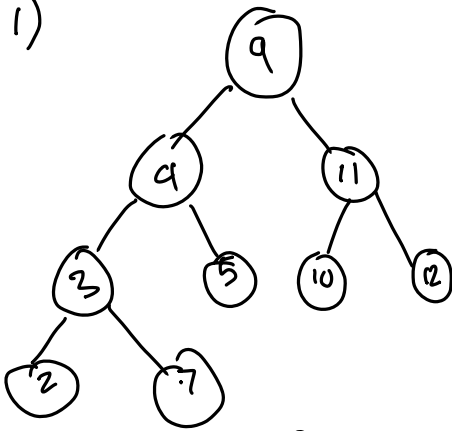
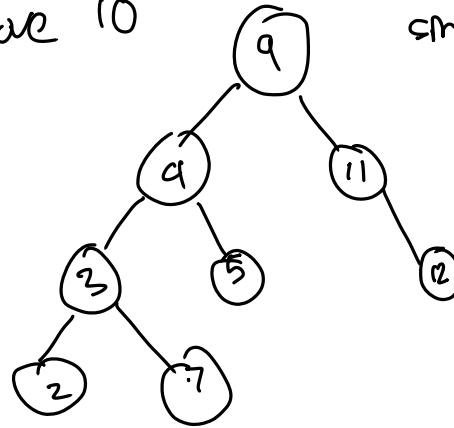


1)

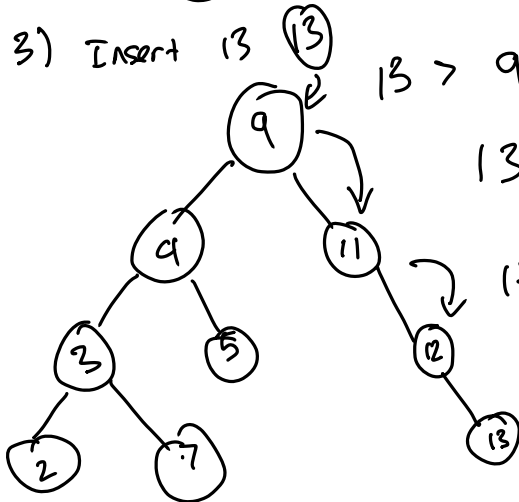


2) Remove 10



since it's a leaf node, you can just remove

3) Insert 13

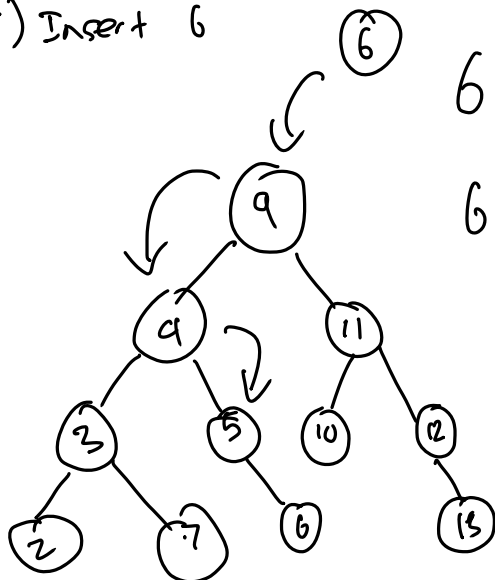


$13 > 9 \Rightarrow$ Goes to right subtree

$13 > 11 \Rightarrow$ Goes to right subtree

$13 > 12 \Rightarrow$ LHS null and goes to right subtree of 12 and new node is added

4) Insert 6



$6 < 9 \Rightarrow$ Goes to left subtree

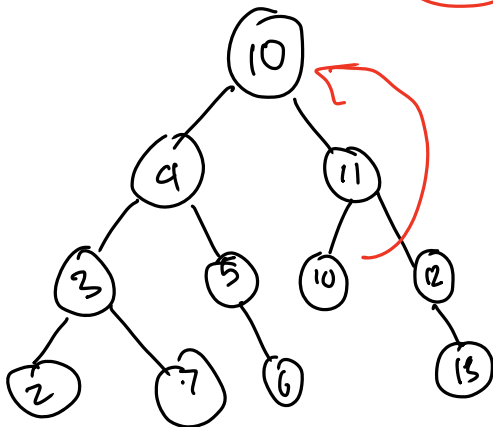
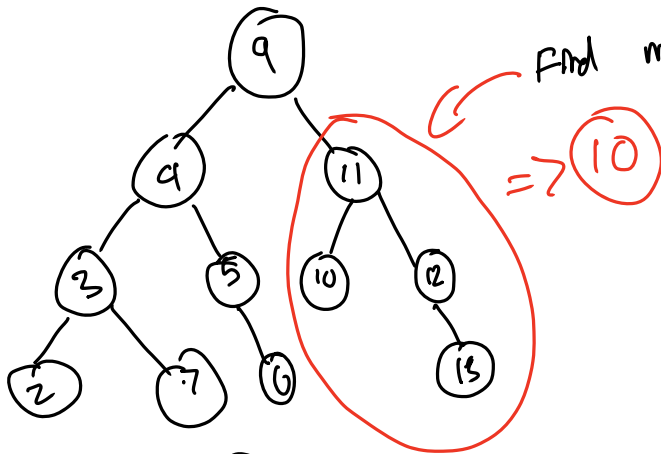
$6 > 4 \Rightarrow$ Goes to right subtree

$6 > 5 \Rightarrow$ LHS null and 6 is added as right leaf node of 5

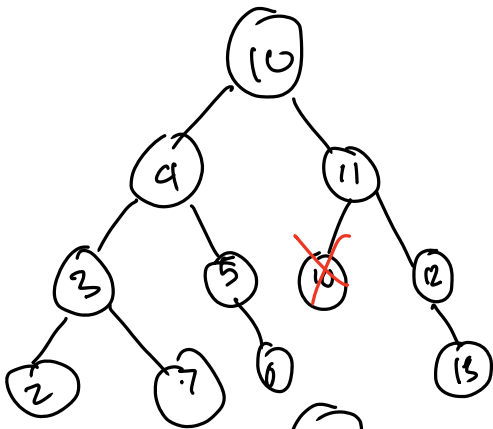
5) Remove 9

To remove 9:

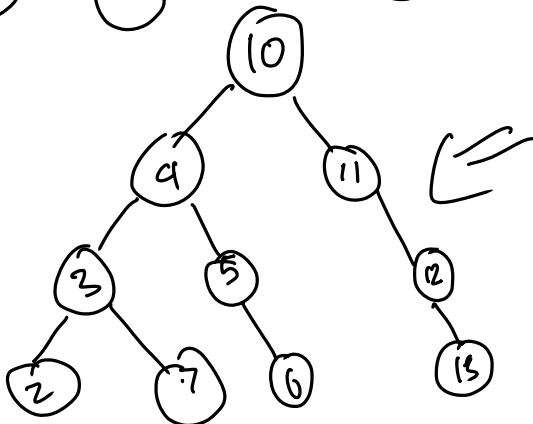
Find min value in right subtree



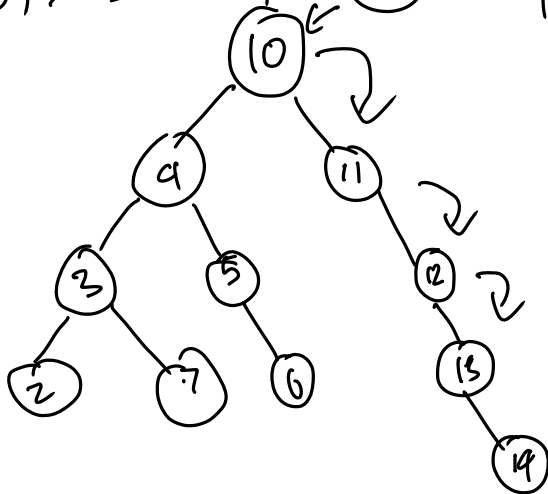
Copy 10 into node that you want to remove



Finally, delete the duplicate node you have the value from



6) Insert 14



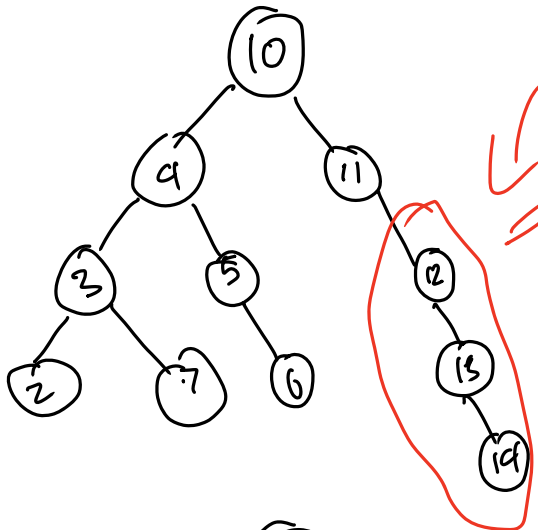
$14 > 10 \Rightarrow$ Goes to right subtree

$14 > 11 \Rightarrow$ Goes to right subtree

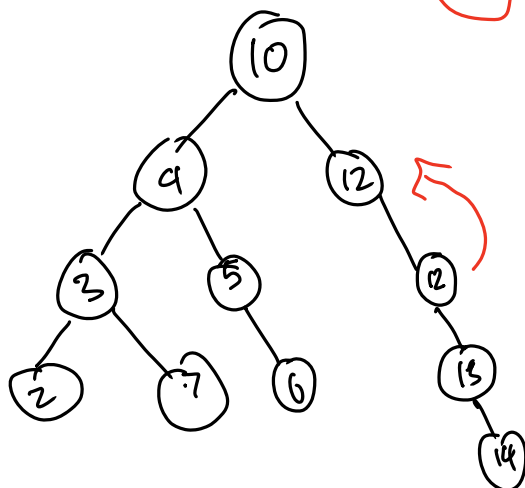
$14 > 12 \Rightarrow$ Goes to right subtree

$14 > 13 \Rightarrow$ Goes to right subtree and if null Go node is added

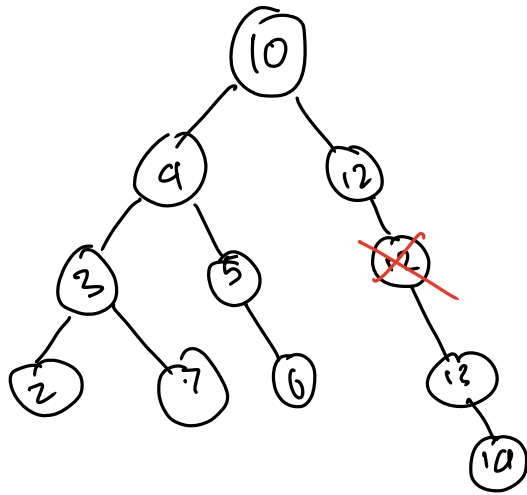
7) Remove 11



First, find min value in the right subtree you wish to delete



Copy node with min value in to node you want to delete



Finally, delete duplicate
node that we copied the
value from.

Final Result:

