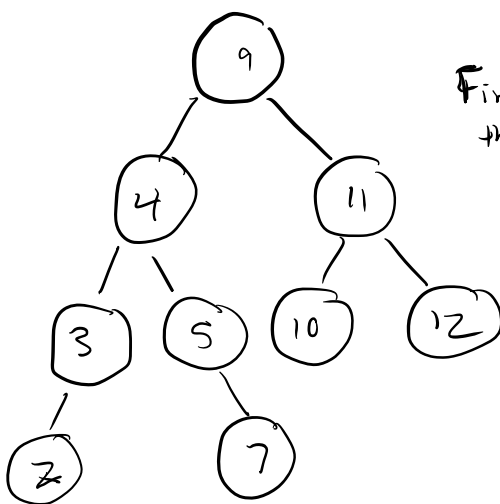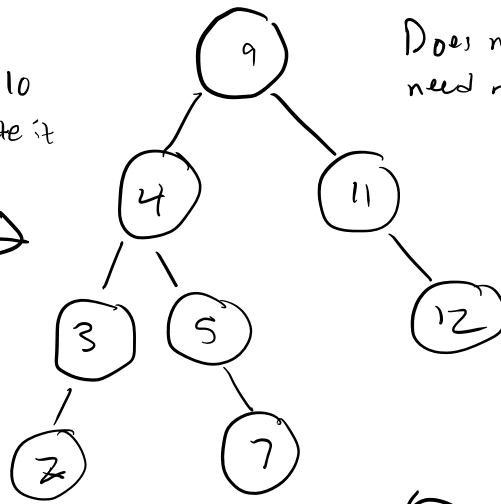Remove 10
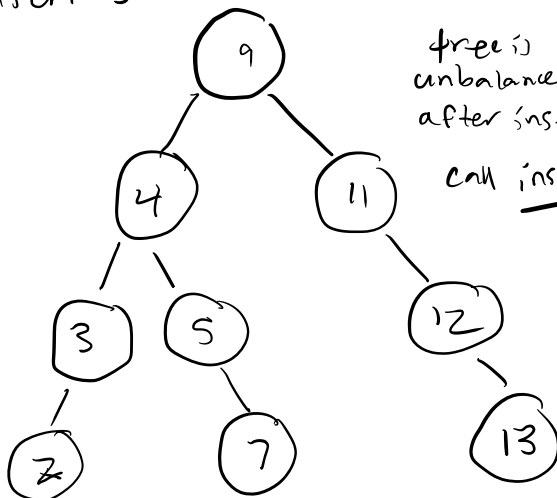

Find node 10
then delete it
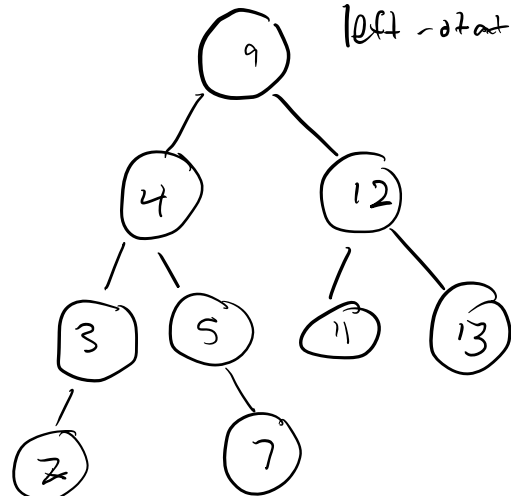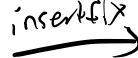
Does not
need rebalancing

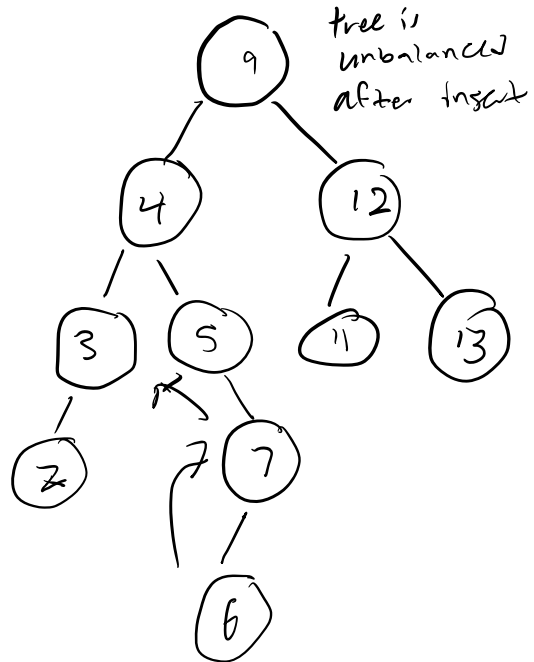left-rotation

Insert13

tree is
unbalanced
after insertion

call insertfix

Insert 6

tree is unbalanced after insert

zig-zag

tree is now balanced

Remove 9

Swap nodes then delete

tree is balanced

Insert 14

So BST Insert
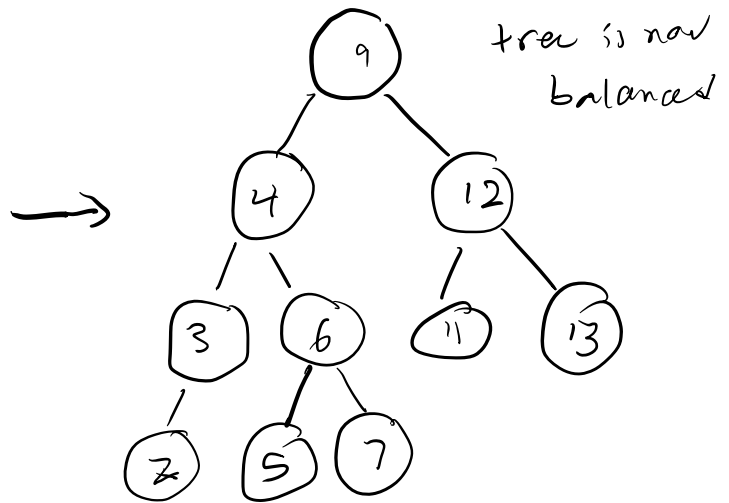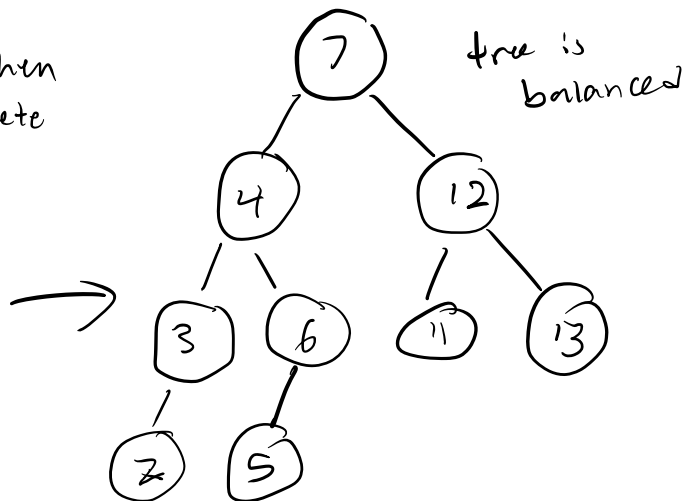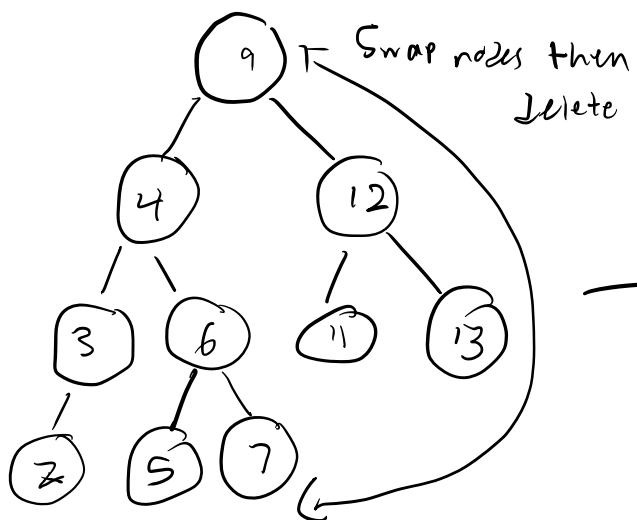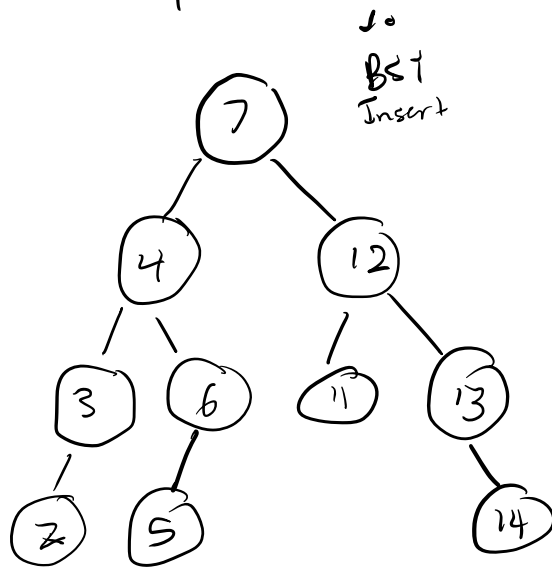
tree is balanced

Remove 11

Delete node
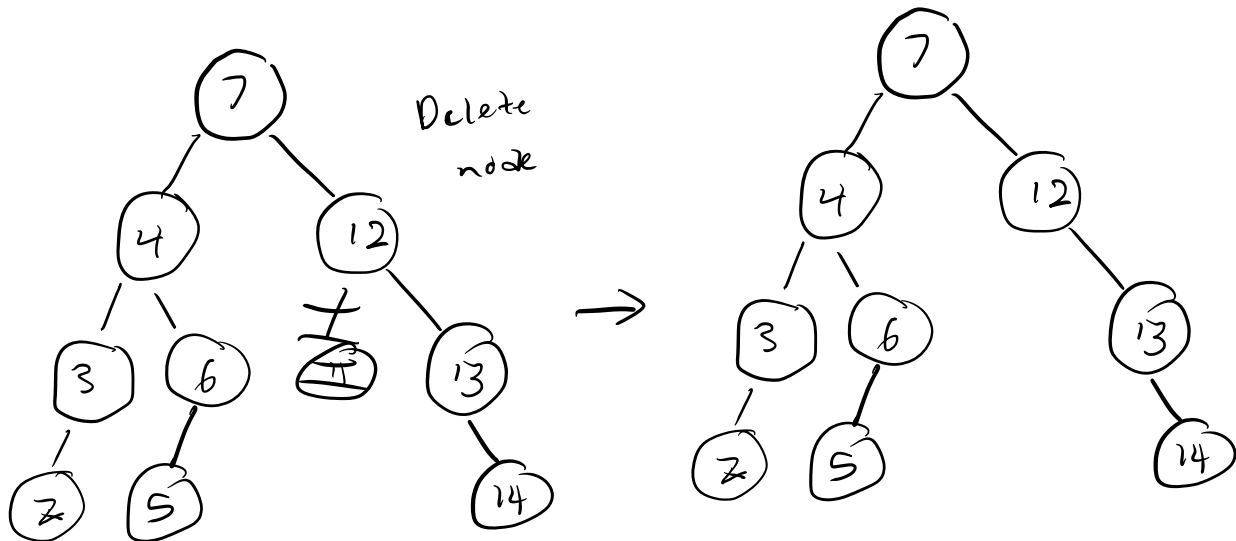
Perform zig-zig on 13 to balance

tree is balanced