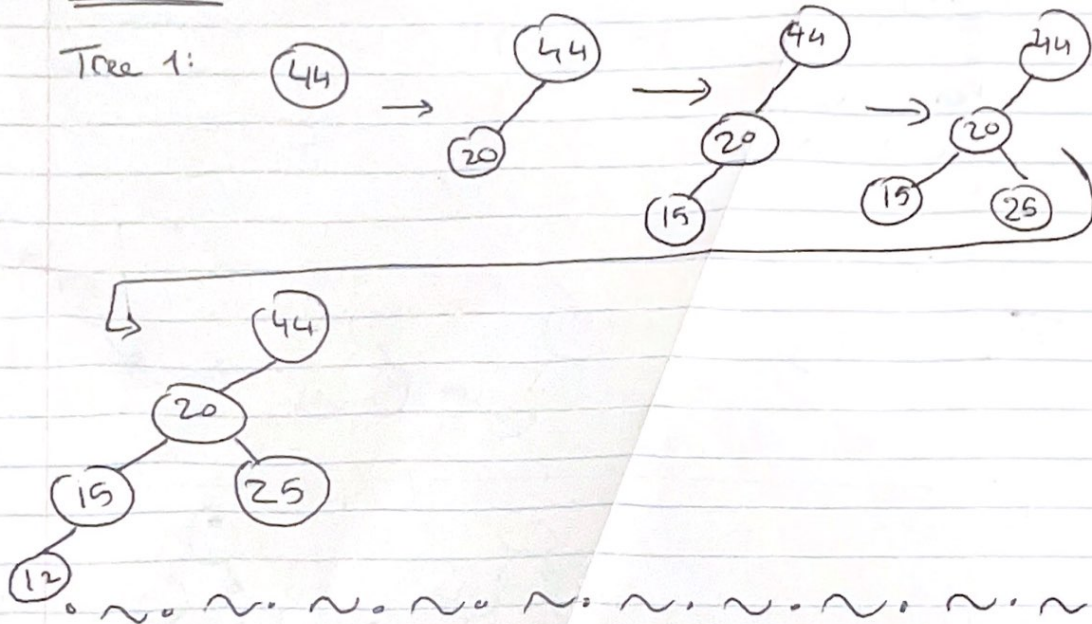


Zeyad Elganainy
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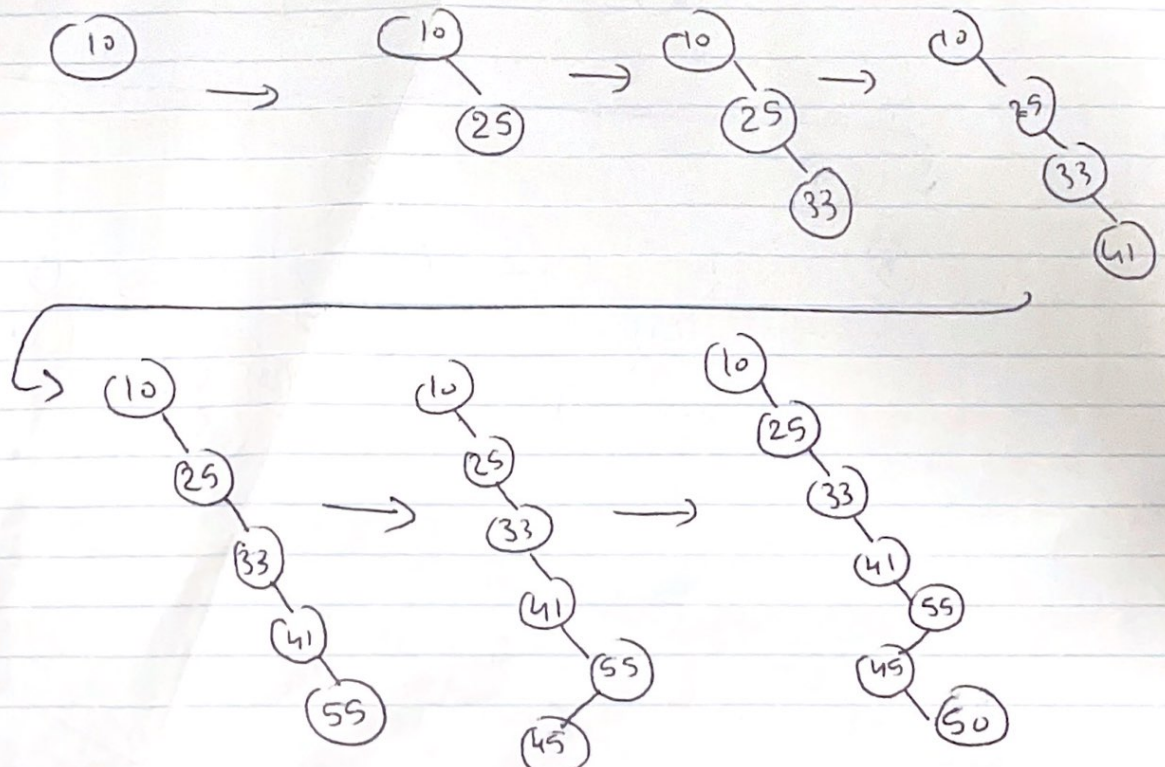
COSC 222 Lab 4

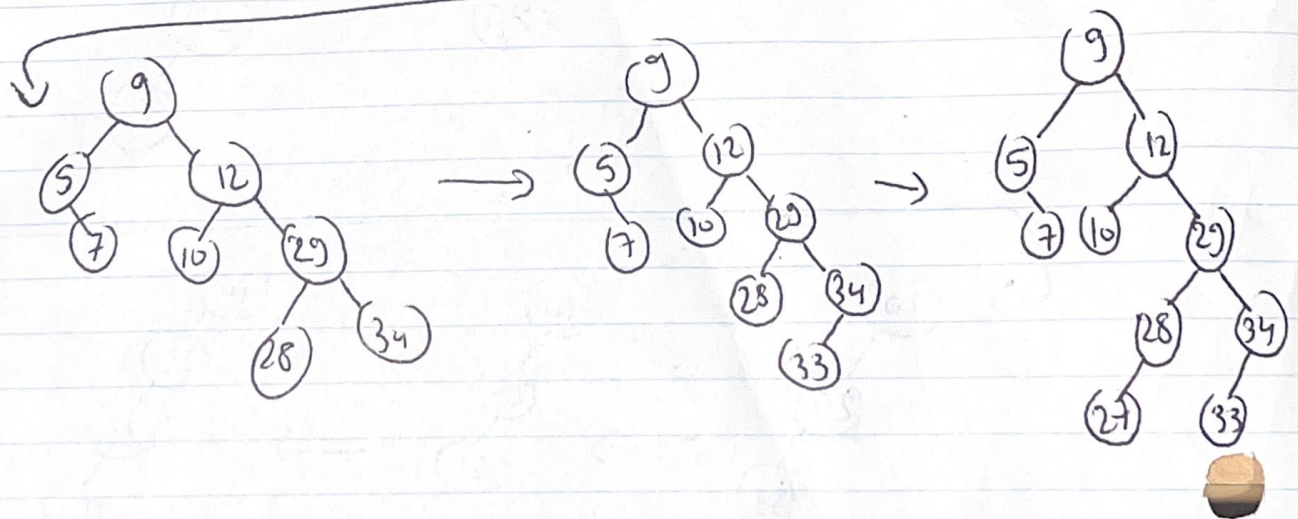
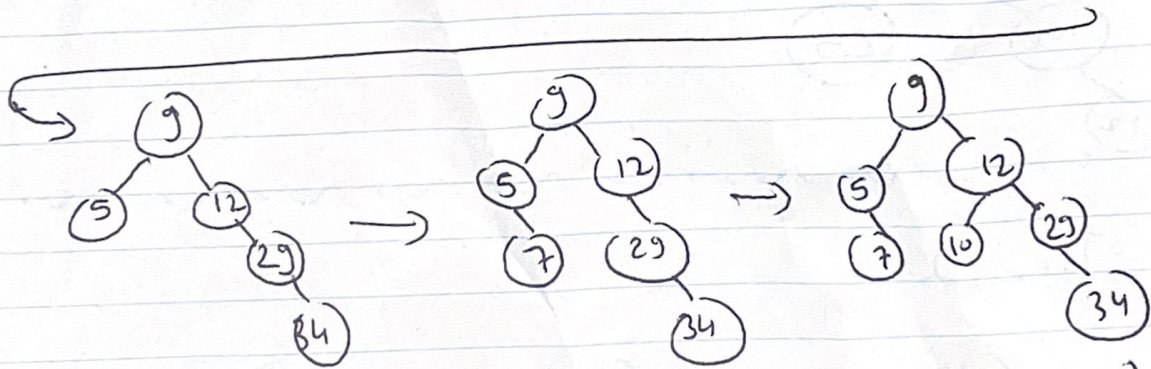
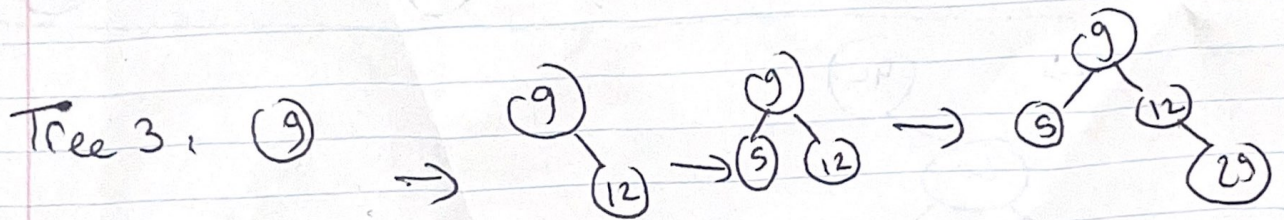
Question 1.A

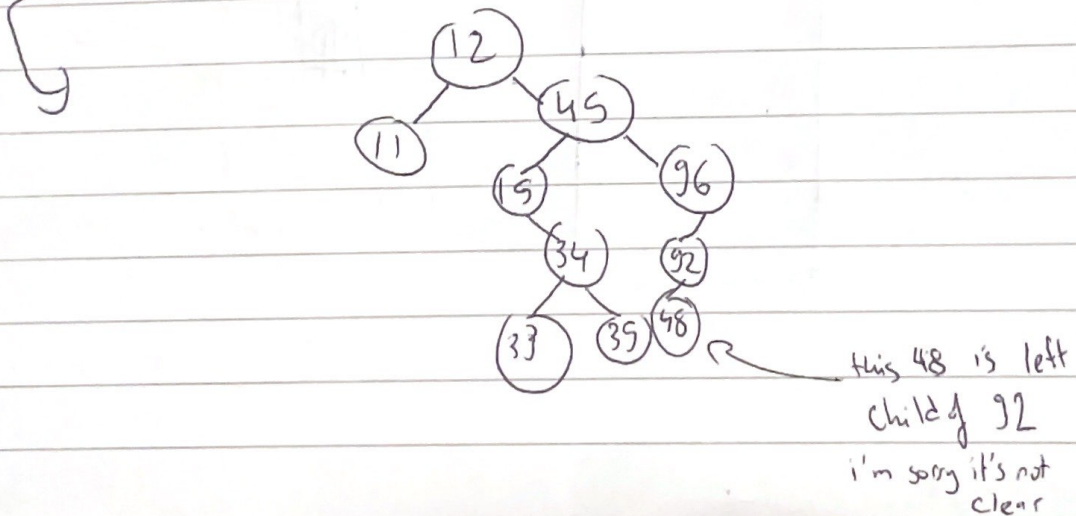
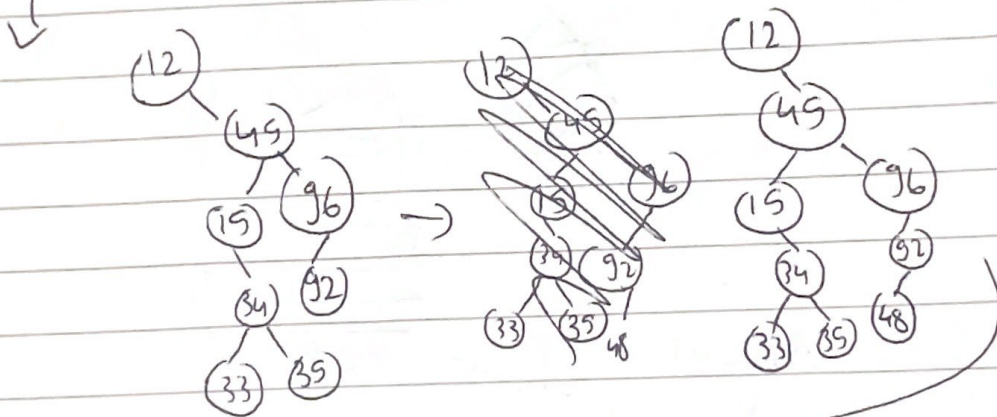
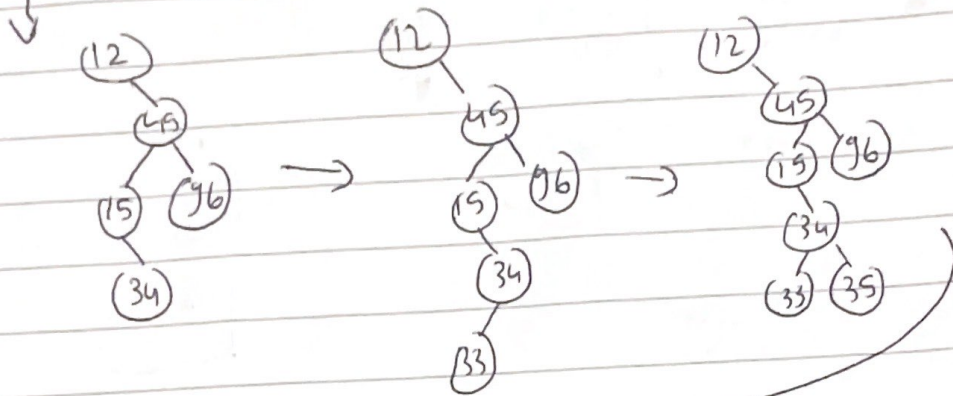
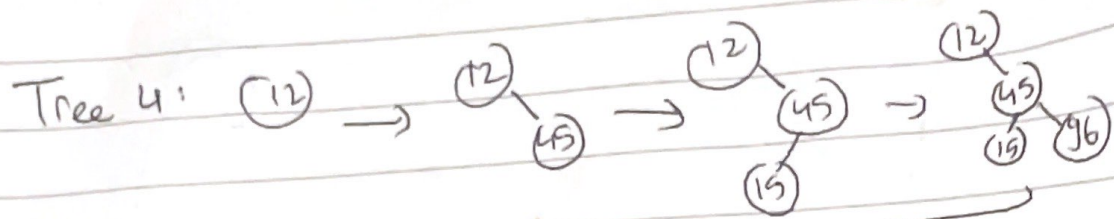
Tree 1:



Tree 2:

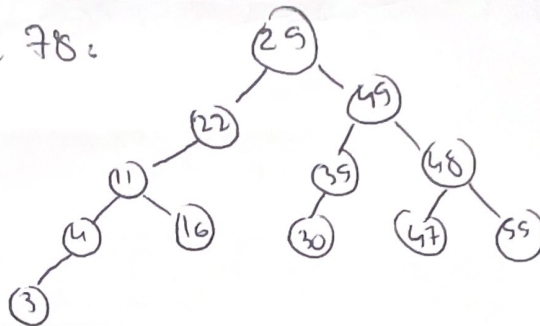






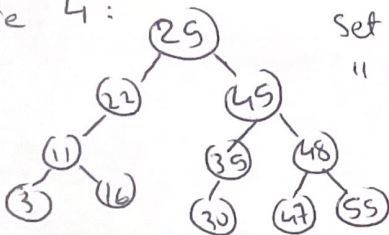
Question 1
Part B

Delete 78:



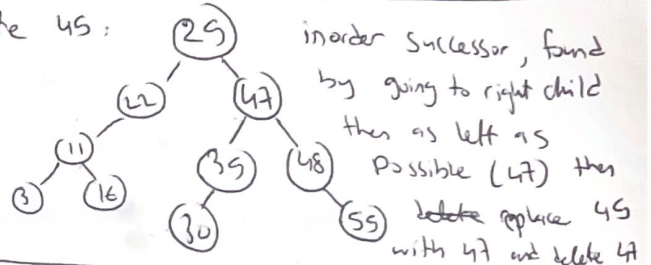
(Just remove it by
Setting right child
of 55 to null)

Delete 4:



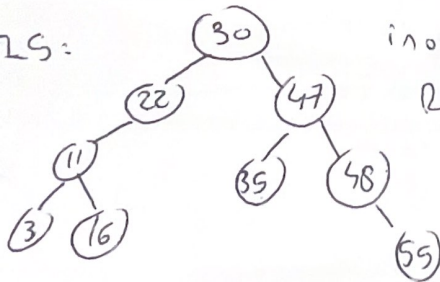
Set left child of
11 to 3

Delete 45:



inorder successor, found
by going to right child
then as left as
possible (47) then
delete replace 45
with 47 and delete 47

Delete 25:



inorder successor explained above as it's 30.
Replace 25 with 30 then delete 30 from
its original place.