

c) Insert 30, 40, 60, 90, 65, 70, 50, 95, 75, 80, 110 and delete 65, 95, 75 from an initially empty 2-3-4 tree.

(30)



(30 40)

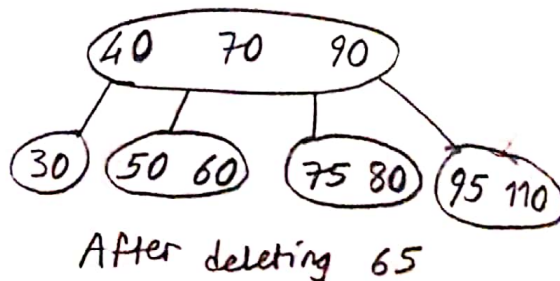
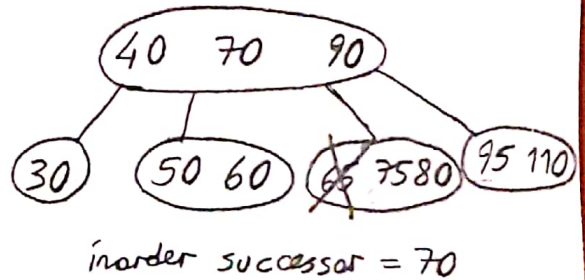
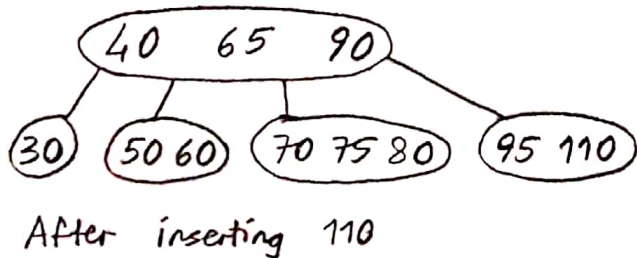
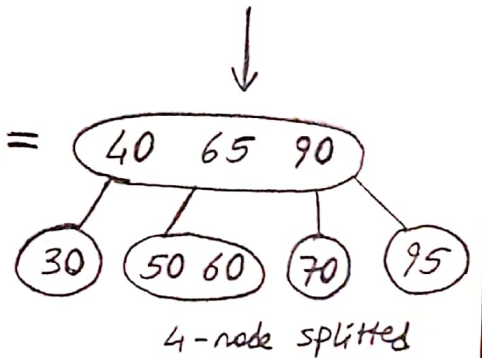
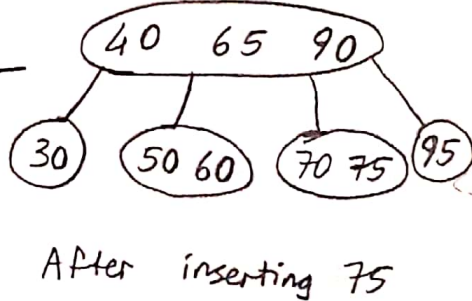
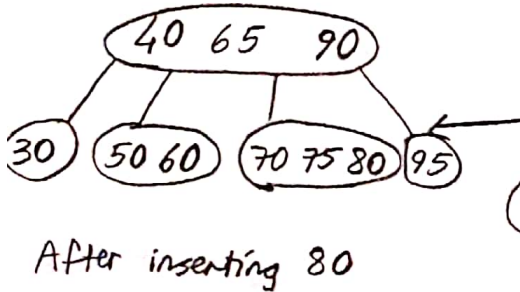
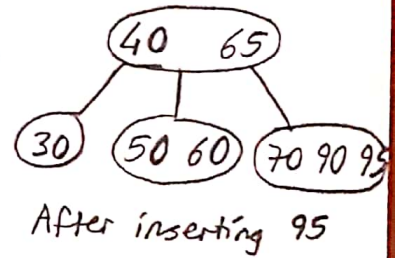
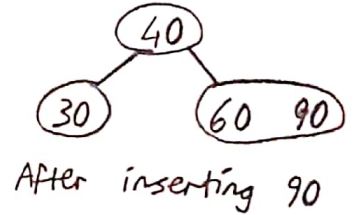
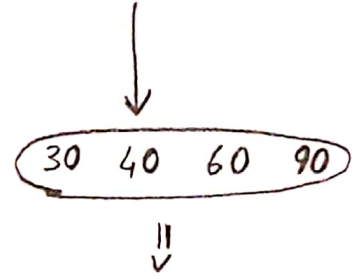
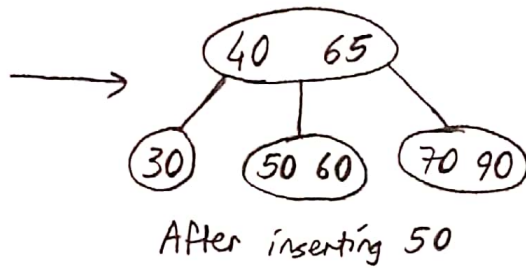
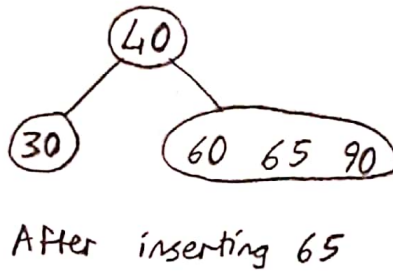
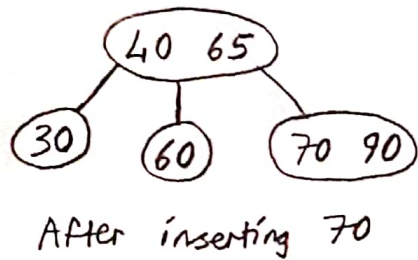
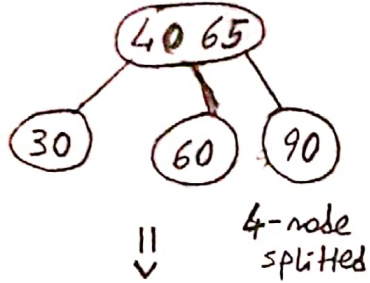


(30 40 60)

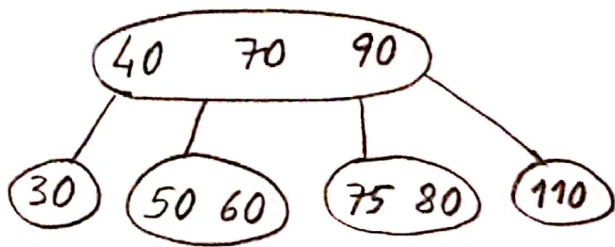
After inserting 30

After inserting 40

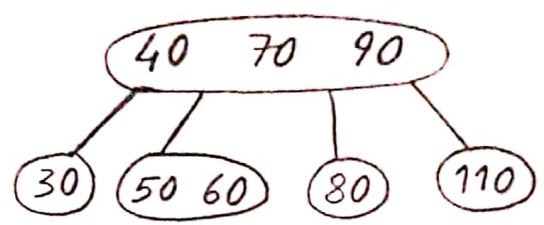
After inserting 60



no 2-node encountered



After deleting 95
no 2-node encountered
on the path



After deleting 75
no 2-node encountered
on the path