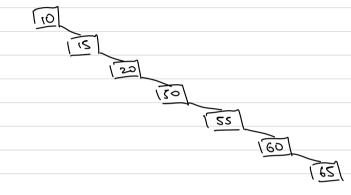
Question Two.

- i) Binary Scarch Tree.
- Insul 10,15,20,50,55,60,65



-Insert 30,35,40

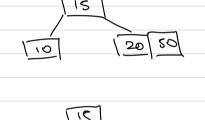
130 155 130 155 130 160

ii and iii) 2-3-4 Tree and Red-Black Tree. * Using 2-3-4 tree to convert to sed-black Tree

·Insut 10,15,20

· Insert So

· Insert SS

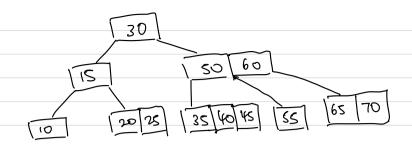


·Insert 60

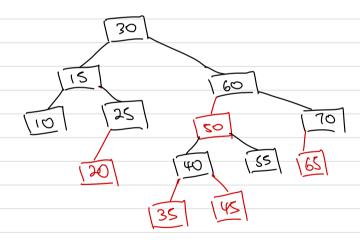
· Insert 30 15 50 SS 60/65 10 20 | 20 · Insert 35 50 15 SS 60/6S 120 30 35 10 · Insert 40 92 30 15 55 60 65 10 ·Insert 25 30 50 (IS 55/60/65 35/60 (10 · Insut 45 30 50 IS ss /60/65

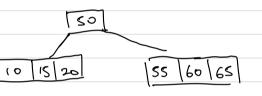
10

· Insuf 70

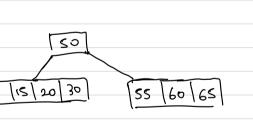


- Red-black Tree (converted using 2-3-4)





-Insert 30



- Insert 35 50 10 15 20 30 35 55 60 65 - Insert 40

-Insert 25

- Insert 45,70

