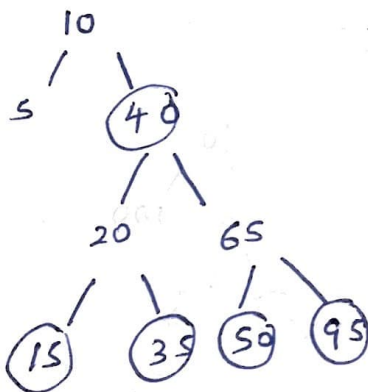
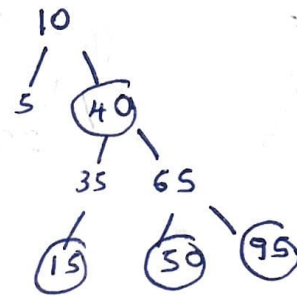
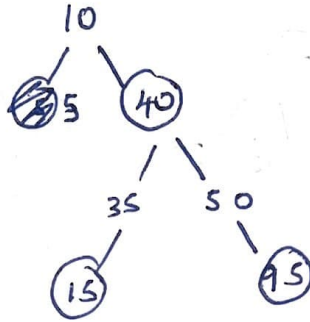
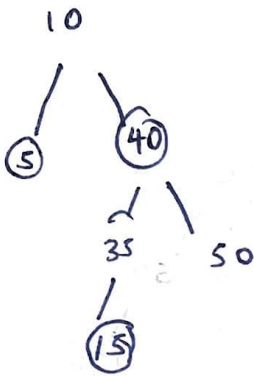
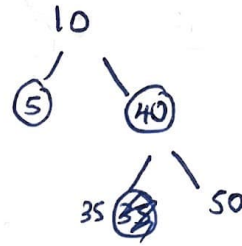
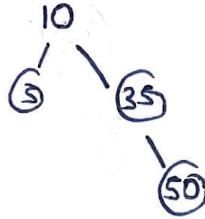
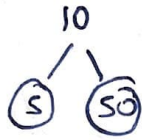


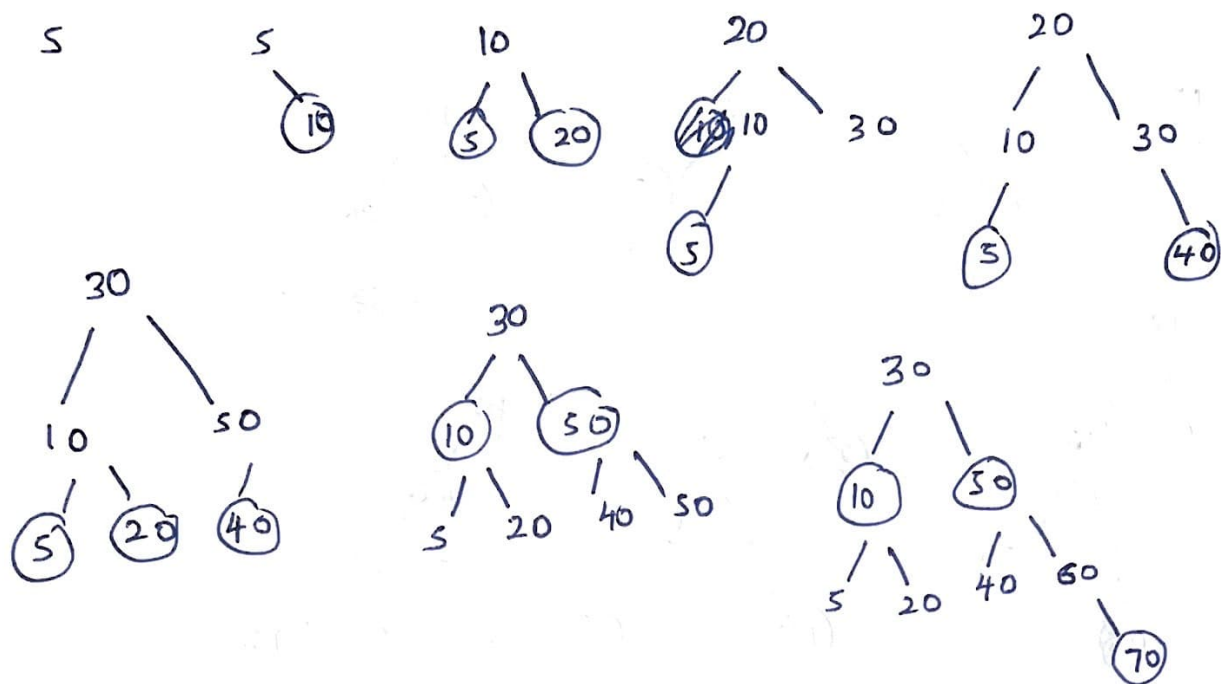
Red black trees

Hesara

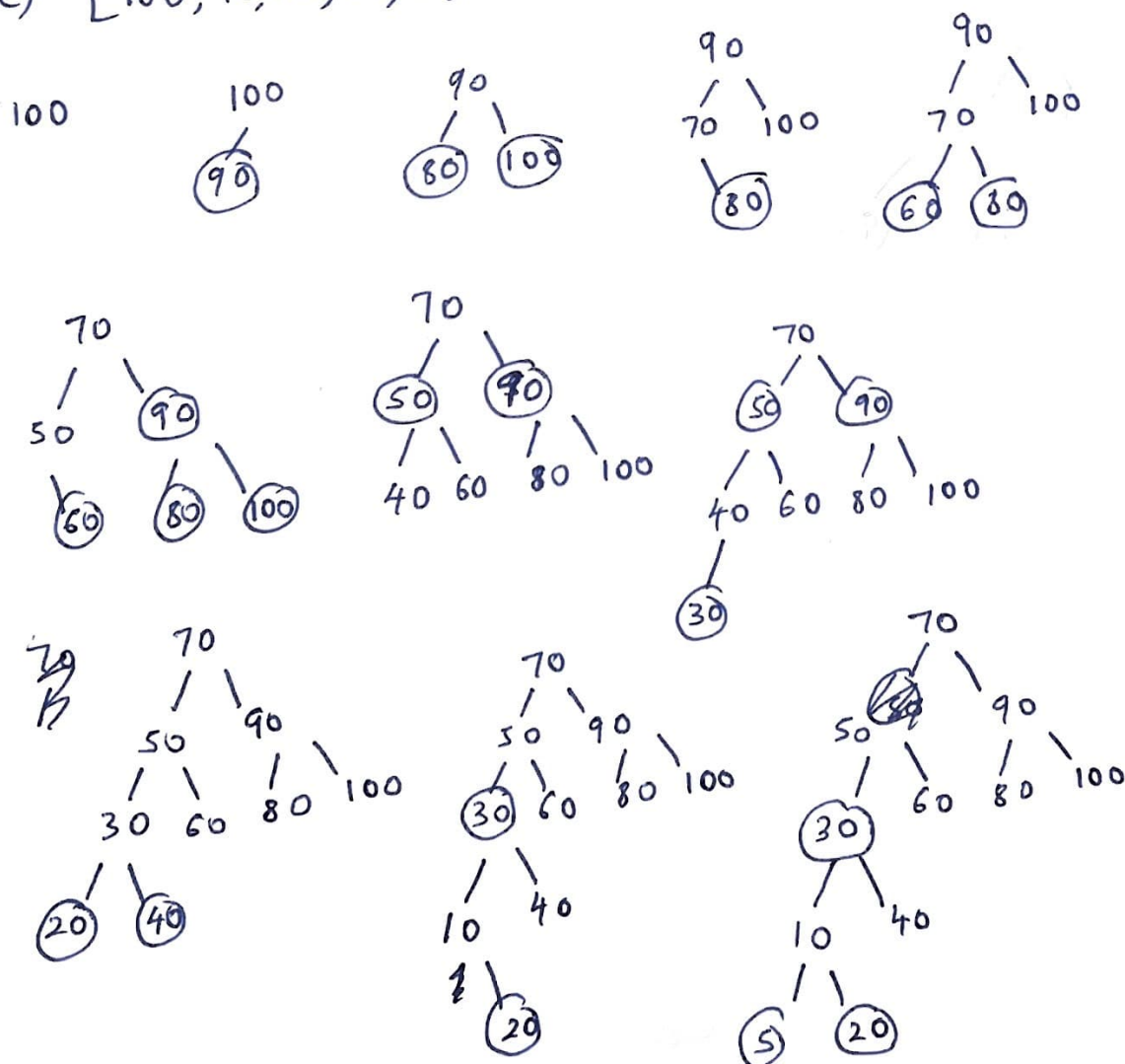
a) [10, 5, 50, 35, 40, 15, 95, 65, 20]



b) [5, 10, 20, 30, 40, 50, 60, 70]



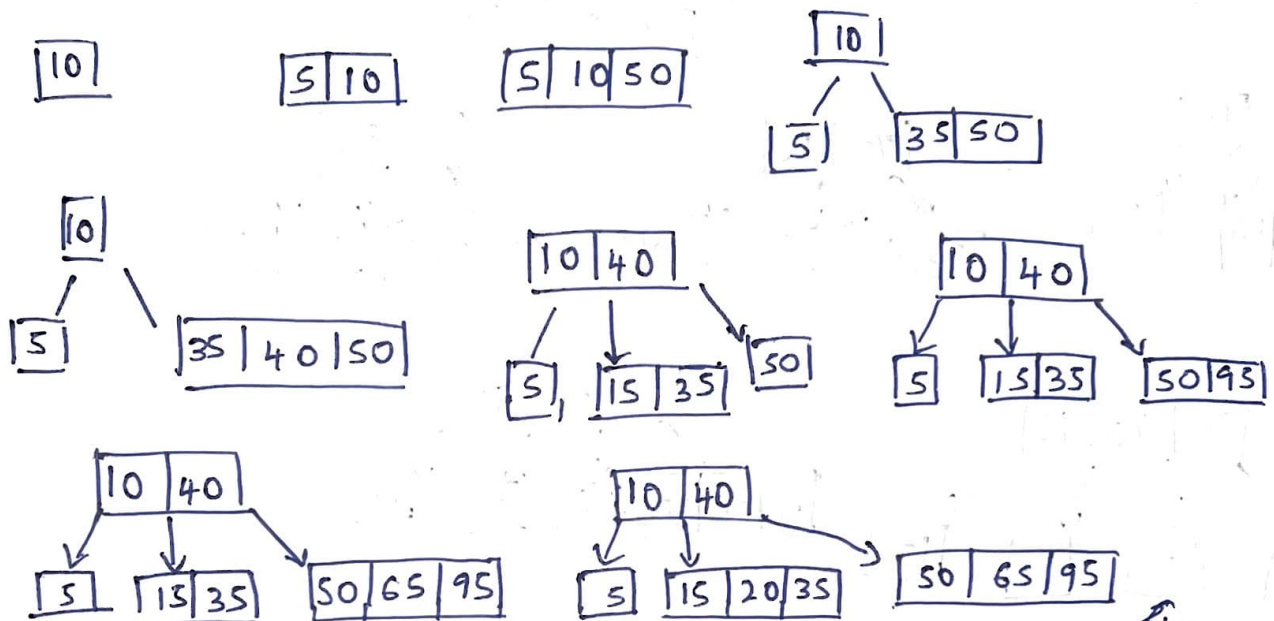
c) [100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5]



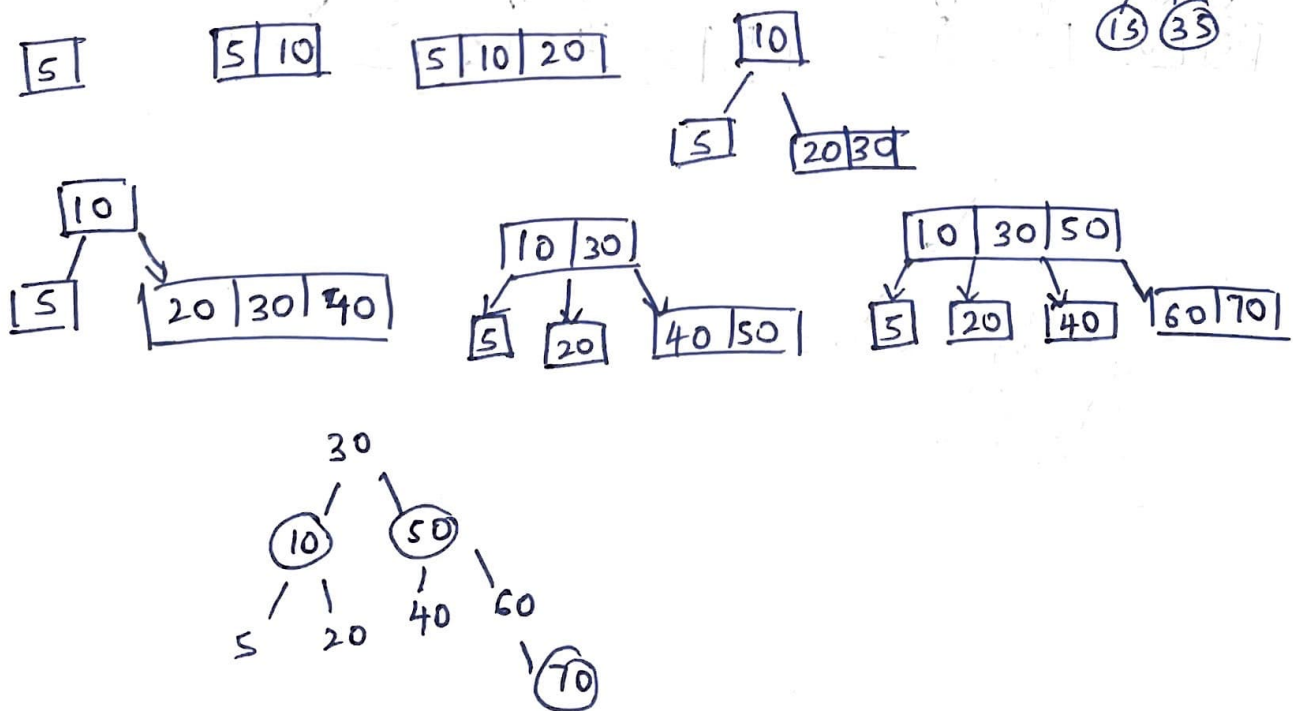
2-3-4 trees

11/02/2020

a) [10, 5, 50, 35, 40, 15, 95, 65, 20]



b) [5, 10, 20, 30, 40, 50, 60, 70]

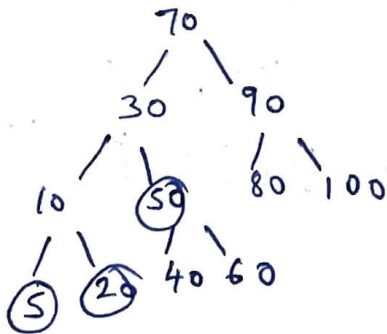
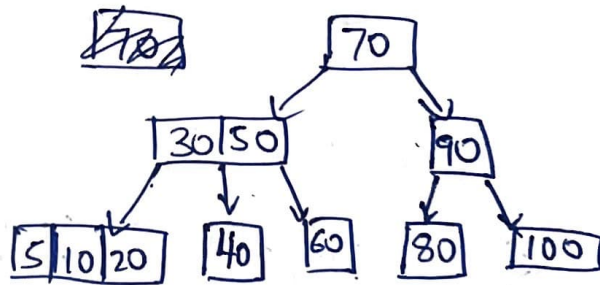
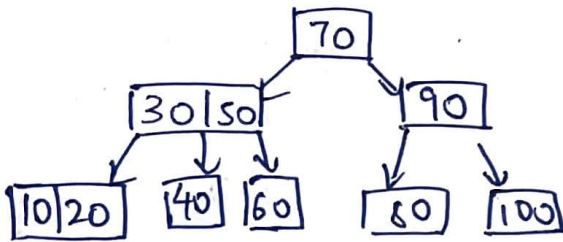
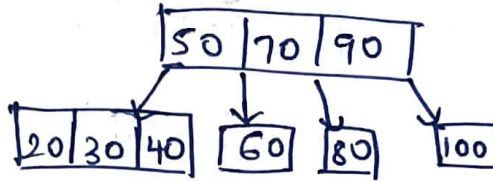
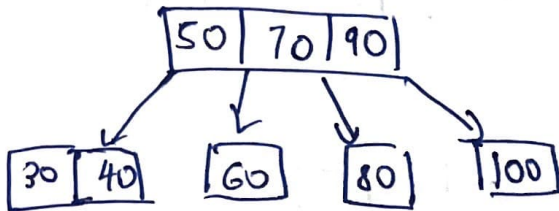
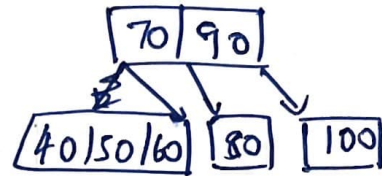
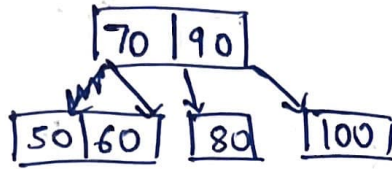
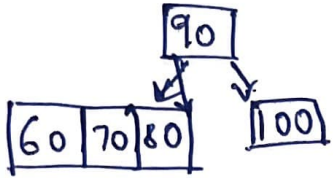
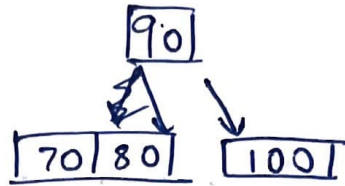


c) $[100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5]$

100

90 | 100

80 | 90 | 100



B-Trees

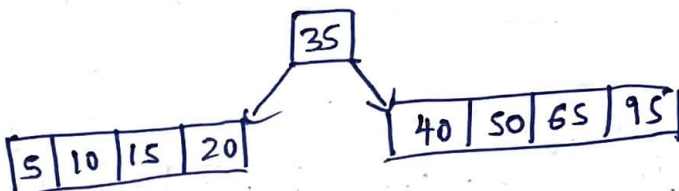
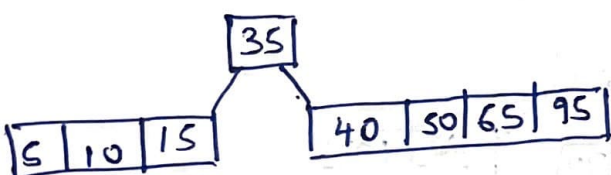
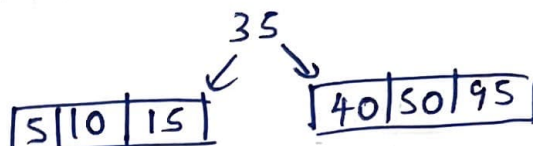
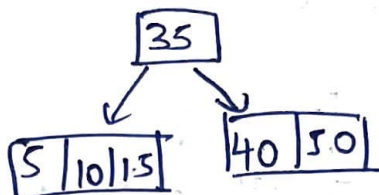
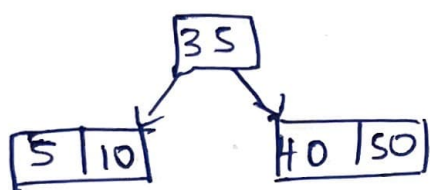
a). [10, 5, 50, 35, 40, 15, 95, 65, 20]

[10]

[5 | 10]

[5 | 10 | 50]

[5 | 10 | 35 | 50]



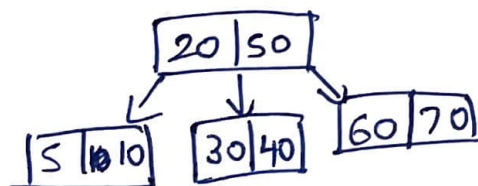
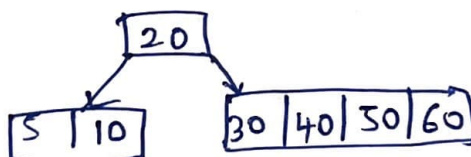
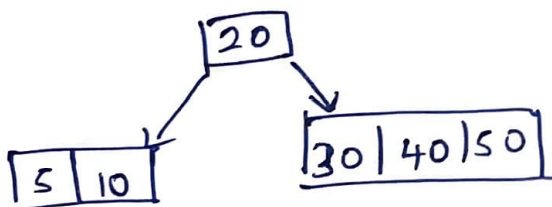
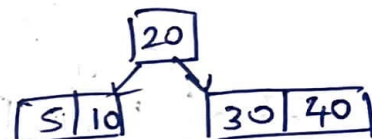
b). [5, 10, 20, 30, 40, 50, 60, 70]

[5]

[5 | 10]

[5 | 10 | 20]

[5 | 10 | 20 | 30]



c) ~~an~~ [100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5]

100 90 | 100 80 | 90 | 100 70 | 80 | 90 | 100

