

Reg: 2019831076

Question 1: Create a min hip using elements:

95, 85, 70, 55, 33, 30, 65, 15,
20, 15, 22.

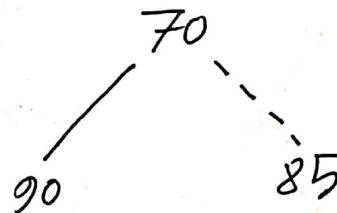
Answer:

95

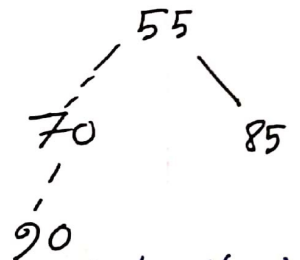
a) insert(95)



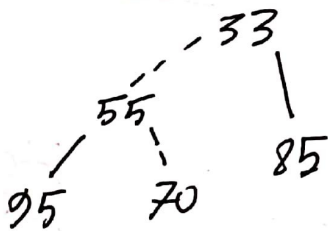
b) insert(85)



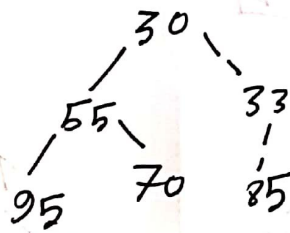
c) insert(70)



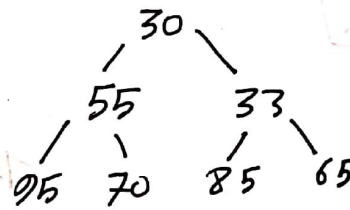
d) insert(55)



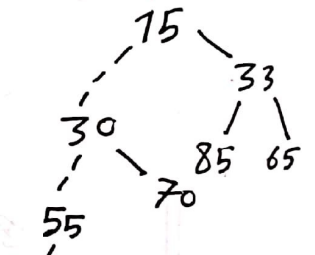
e) insert(33)



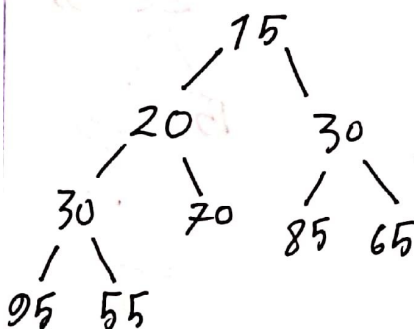
f) insert(30)



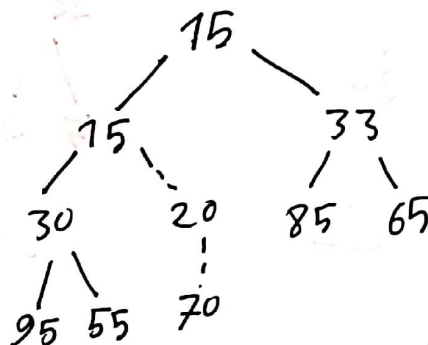
g) insert(65)



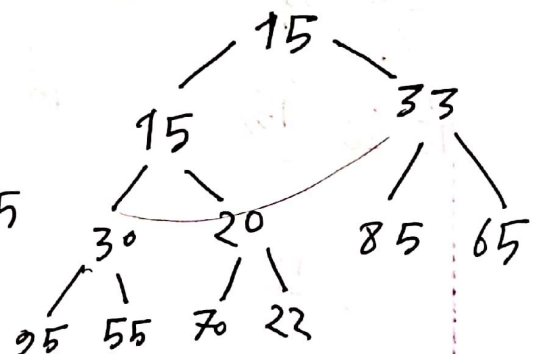
h) insert(15)



i) insert(20)



j) insert(15)



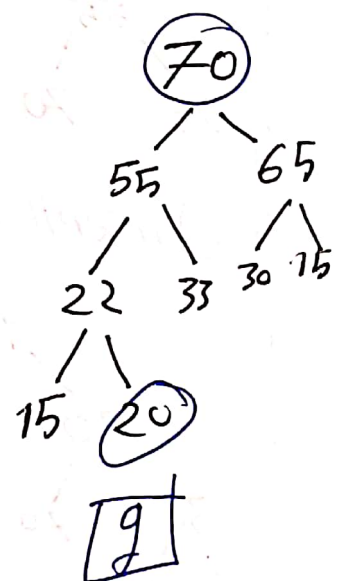
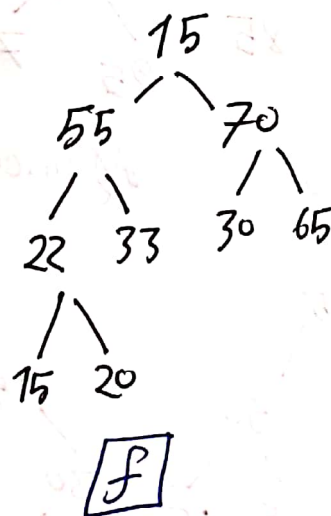
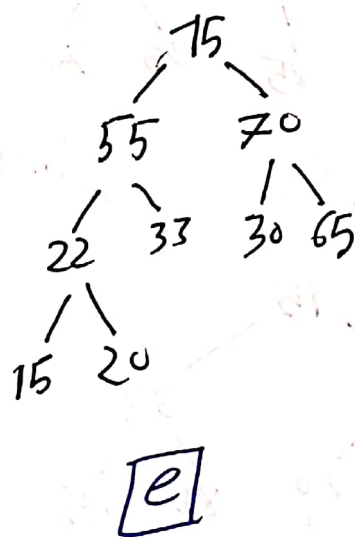
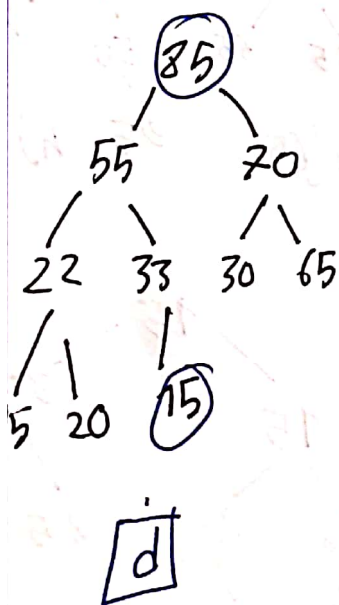
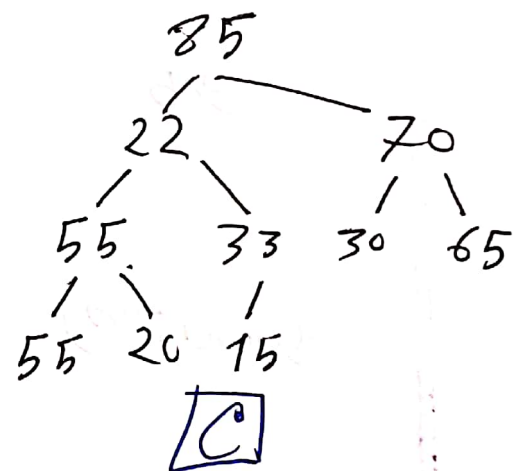
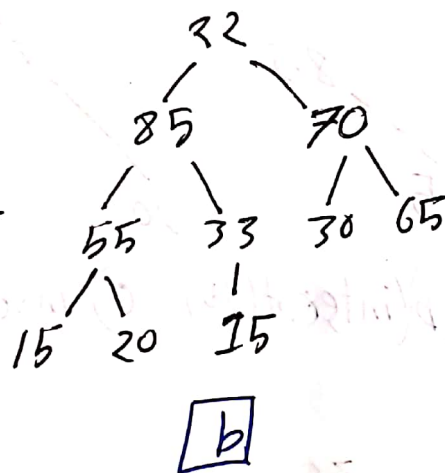
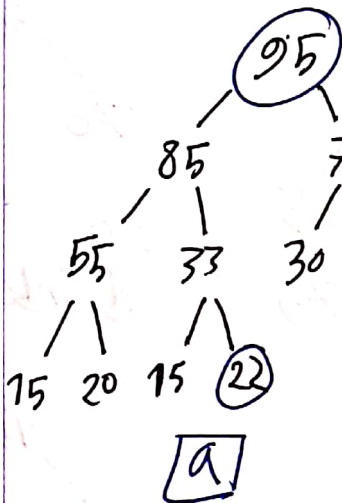
k) insert(22)

Question 2: Sorting a max heap.

Answer:

STEP : a | d | g | k | n | q | s | u | w | x | y

Removed Element: 95 | 85 | 70 | 65 | 55 | 33 | 30 | 22 | 20 | 15 | 15



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