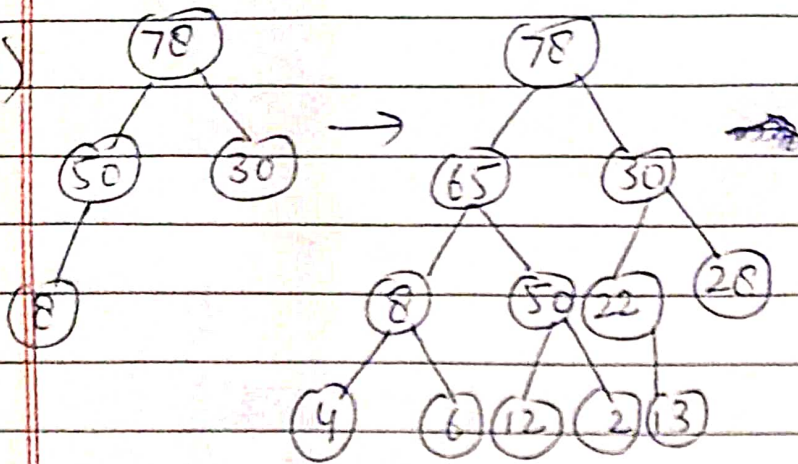


DS Tutorial -13

Q1. No.

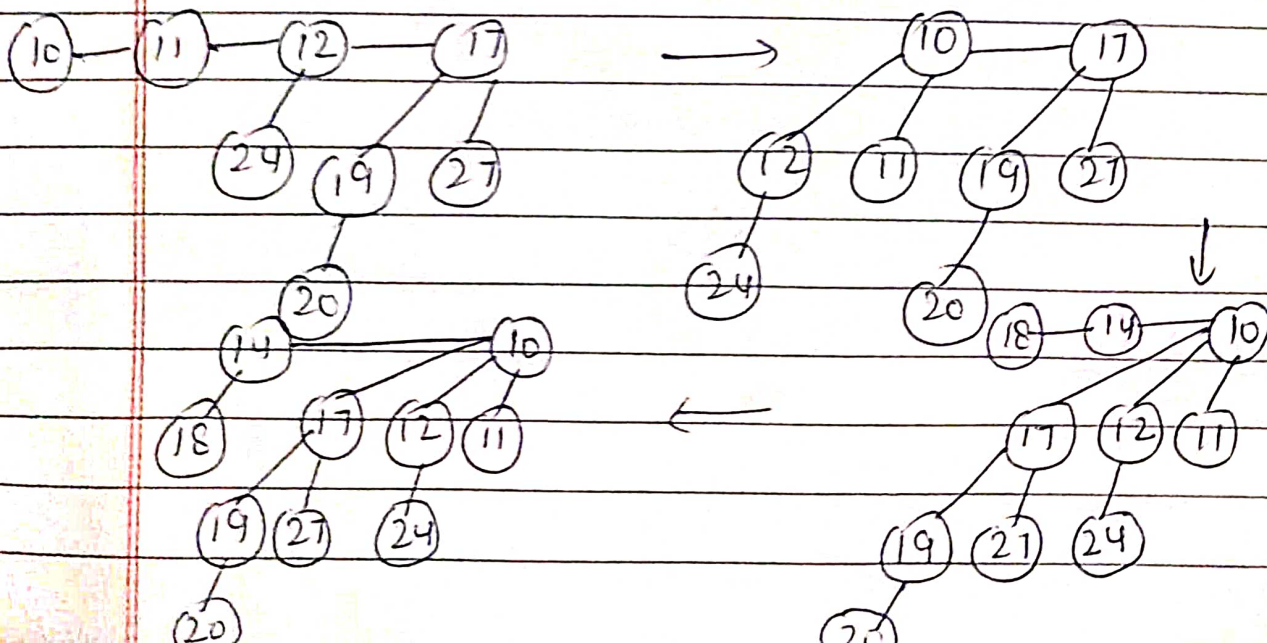
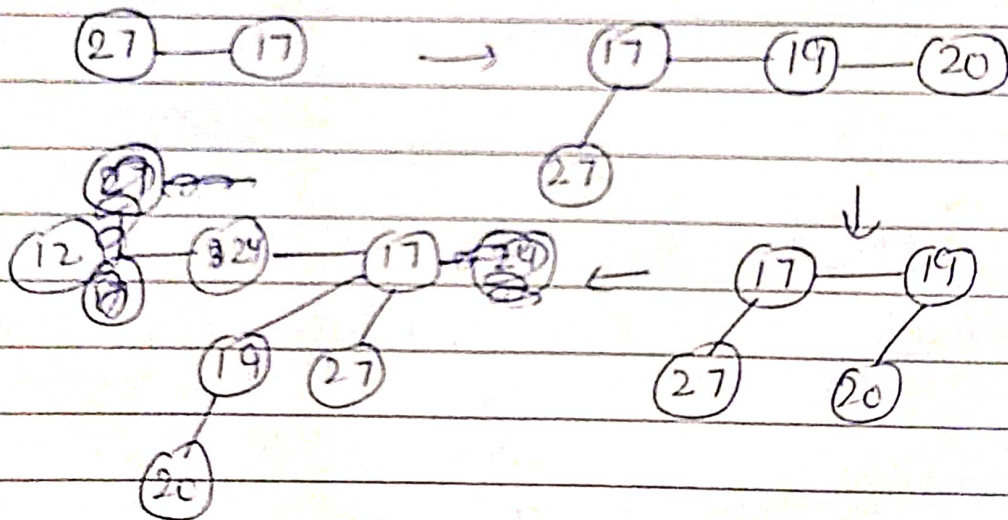
a)



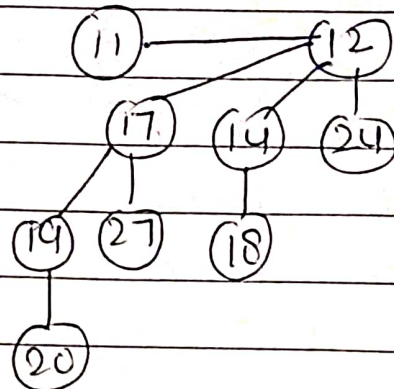
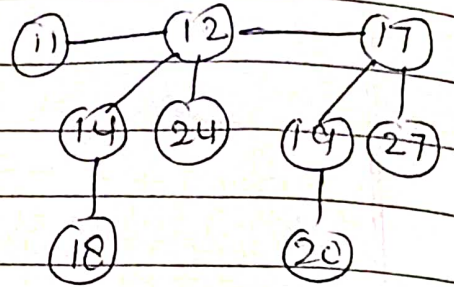
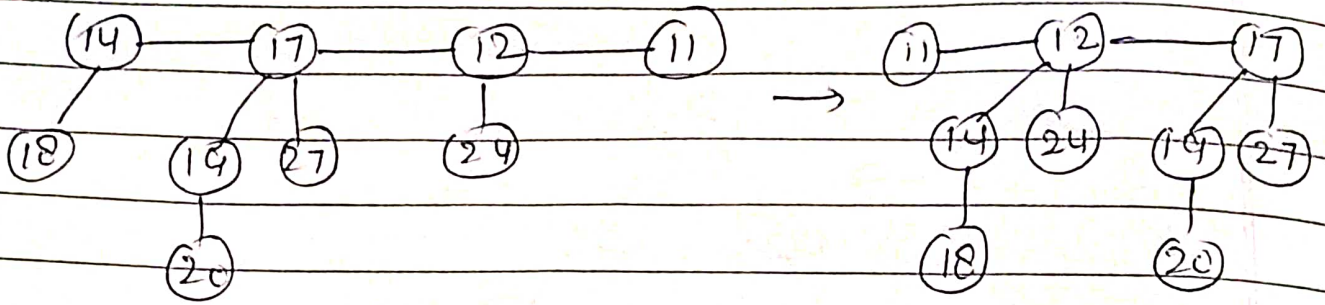
b)

Given heap is not valid max-heap.
Valid max-heap is the one drawn in part a.

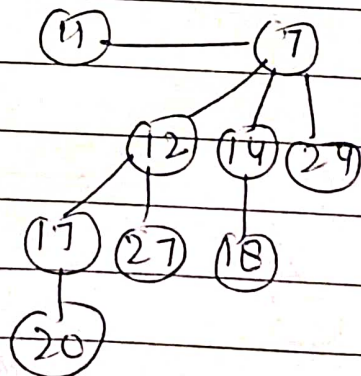
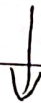
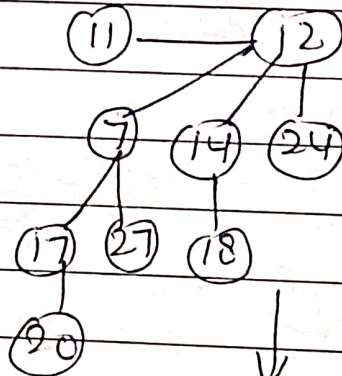
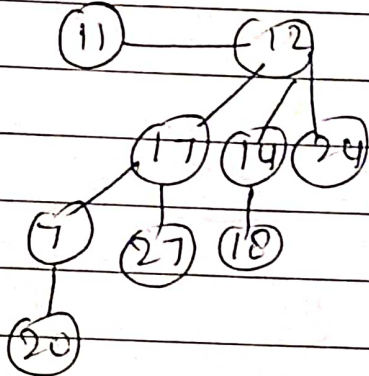
Q2.



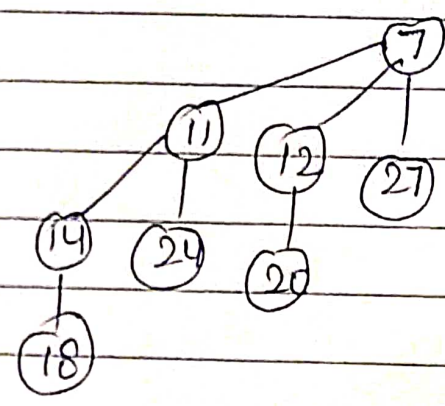
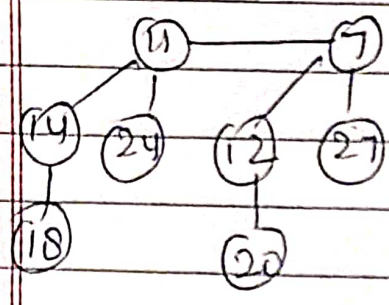
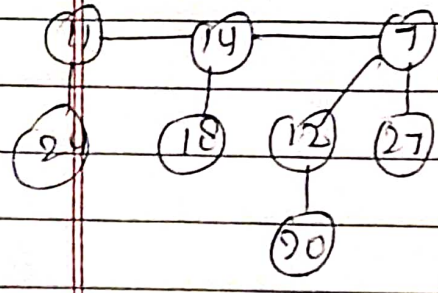
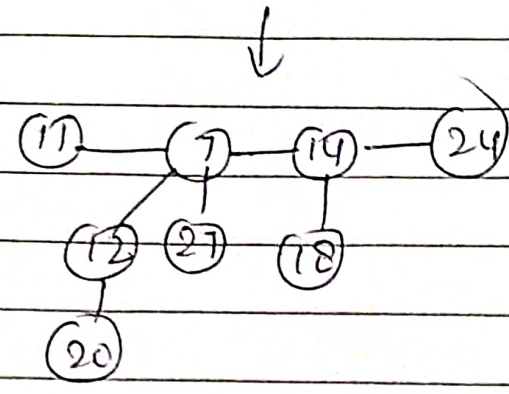
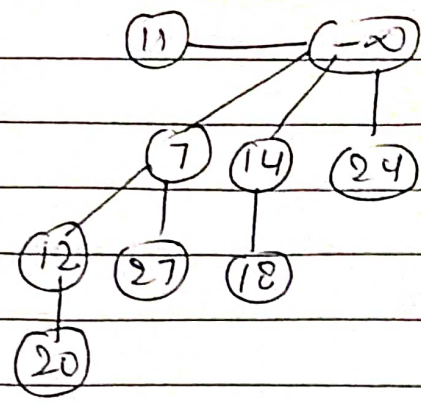
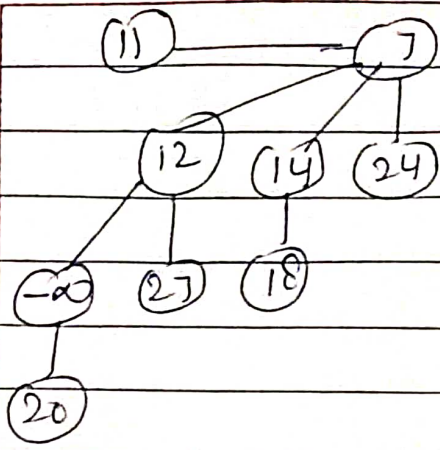
Delete min



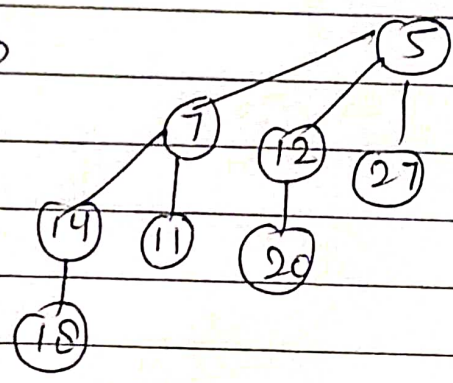
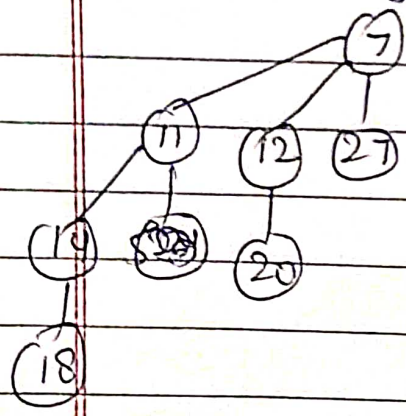
decrease key (19, 7)



delete 17



decrease key (24, 5)



delete min

