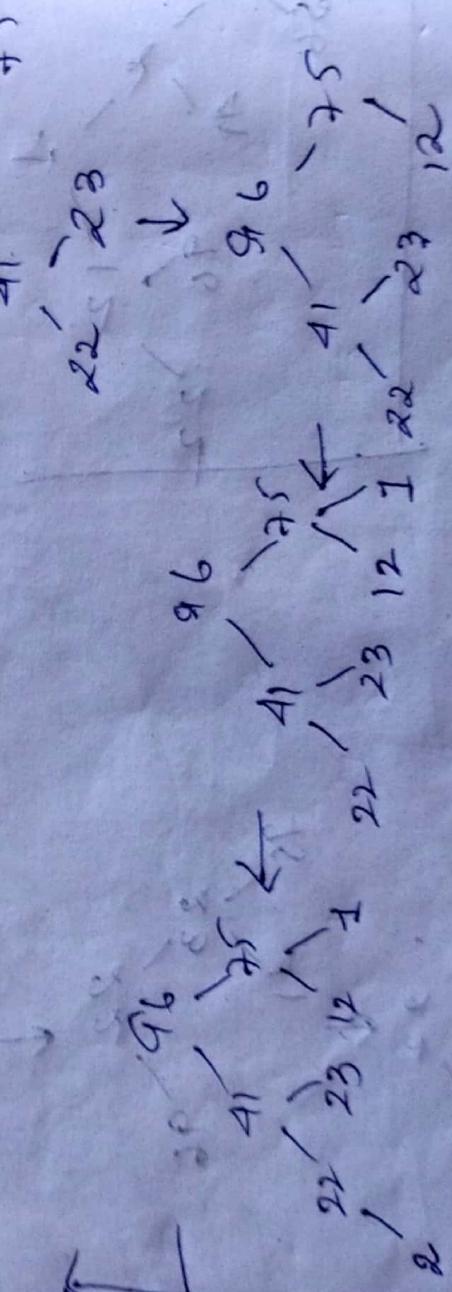
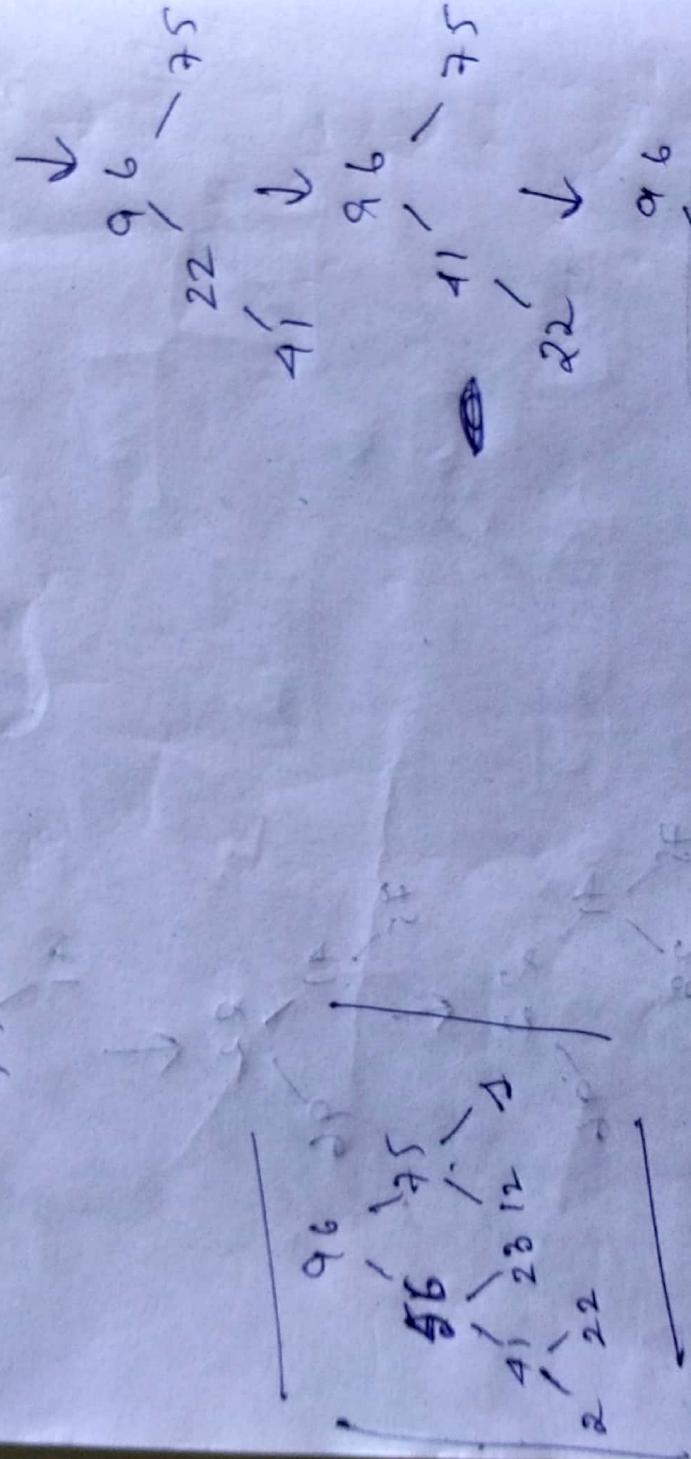
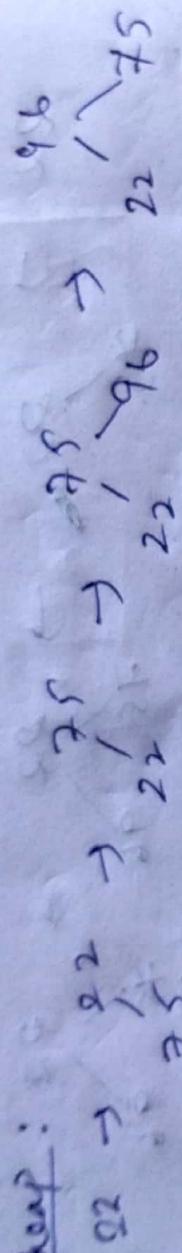


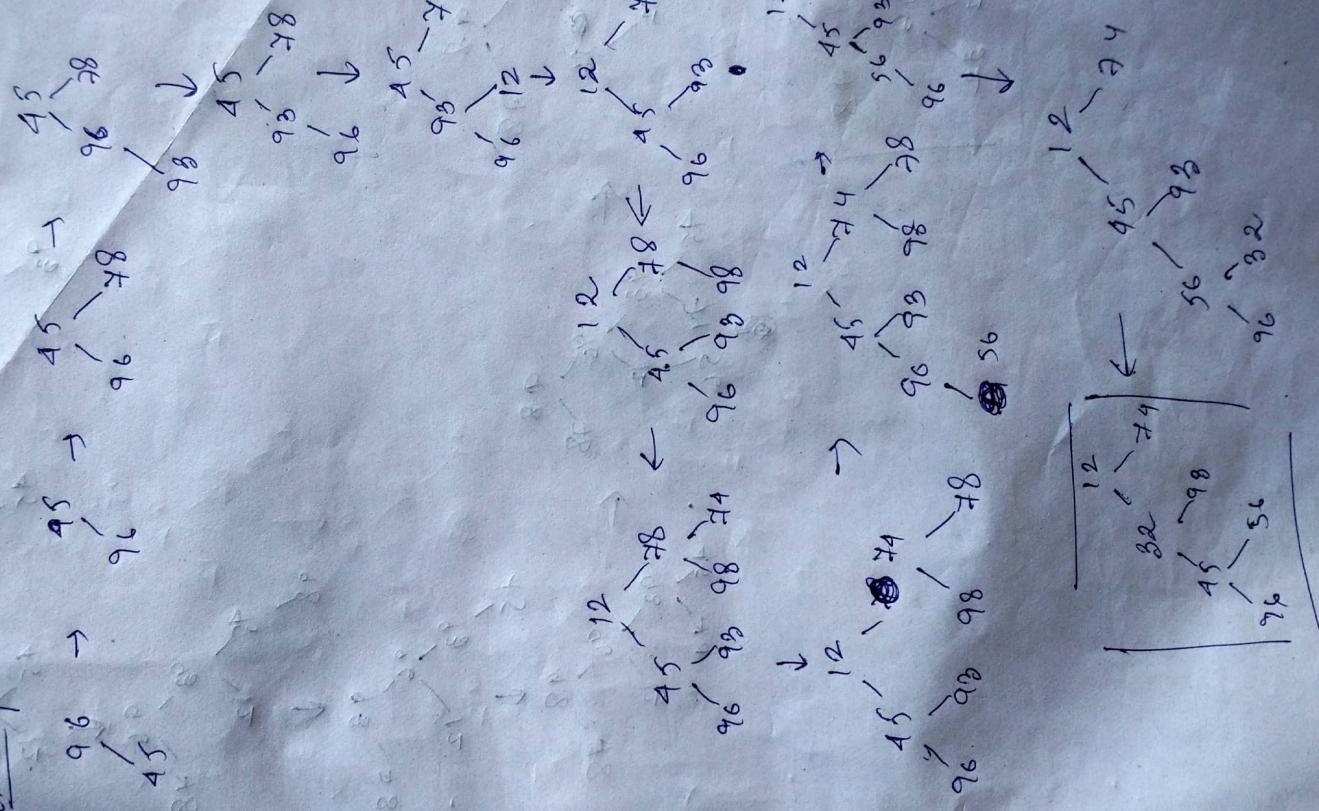
82, 45, 96, 41, 23, 12, 4, 5, 56,

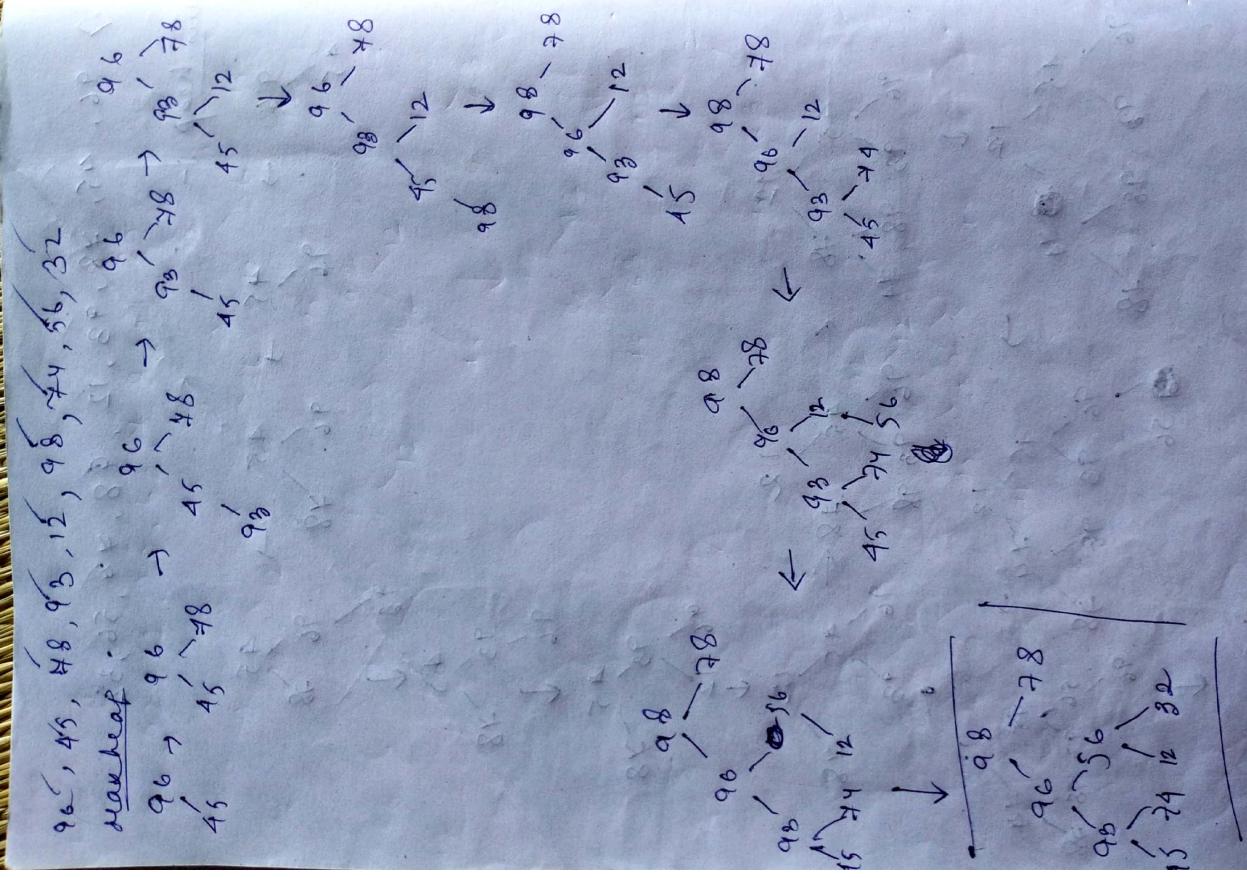
Max heap:



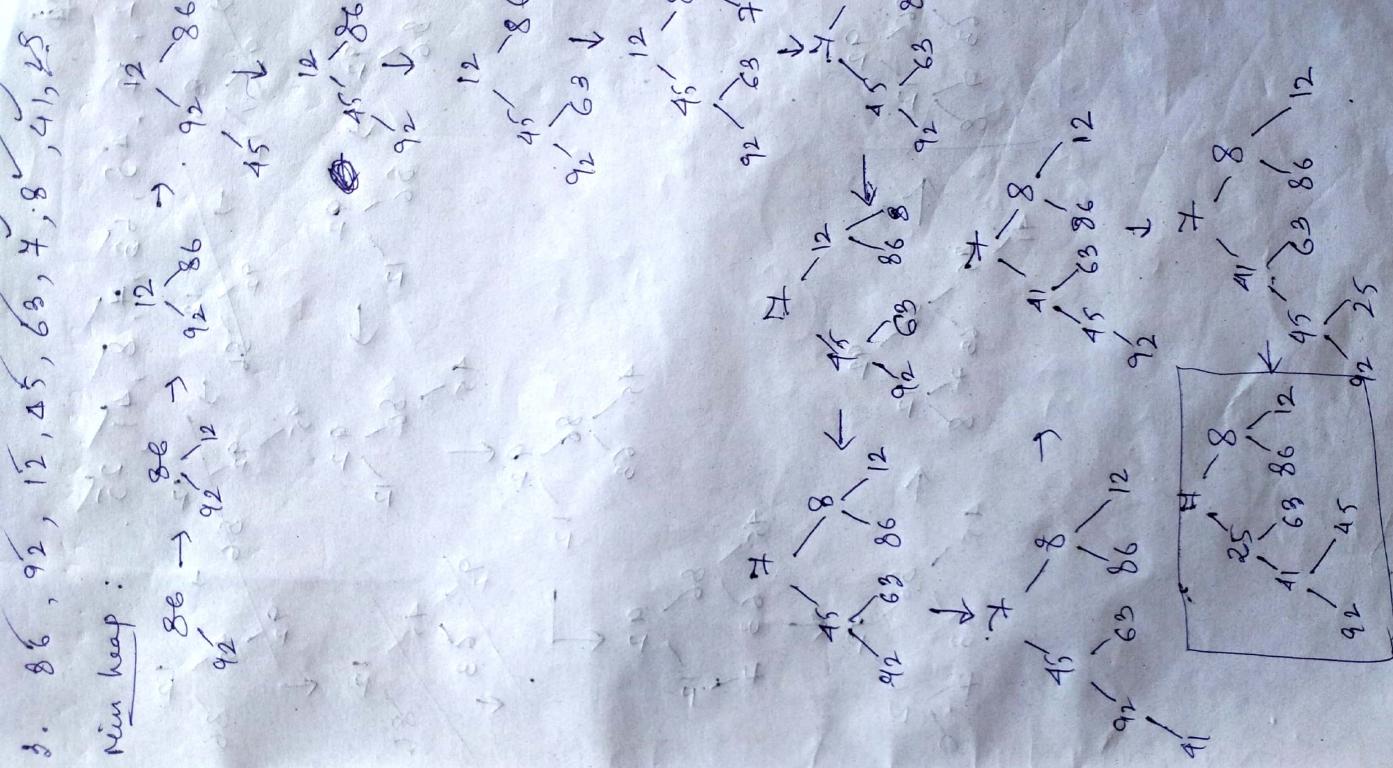
2.0) 96, 45, 48, 93, 12, 48, 46, 56, 32

min heap :-

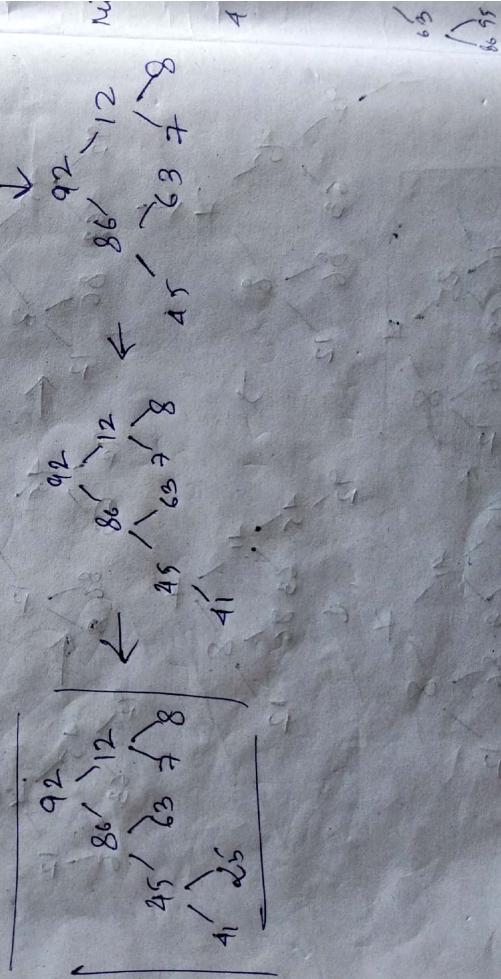
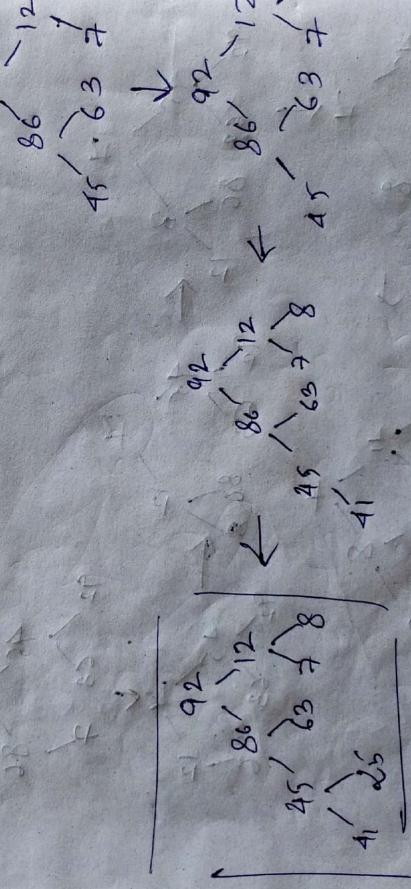
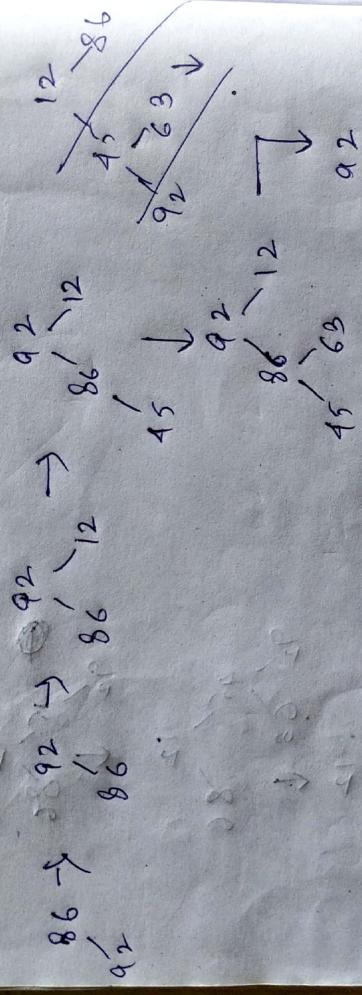
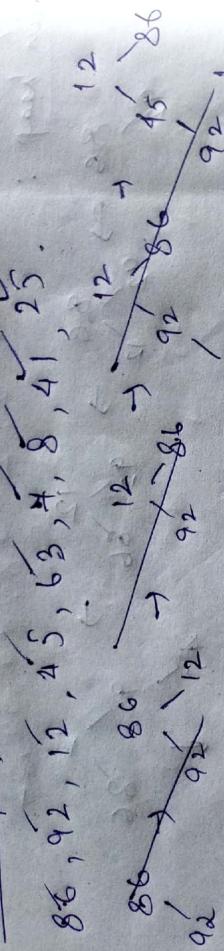




new heap:

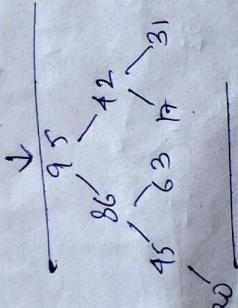
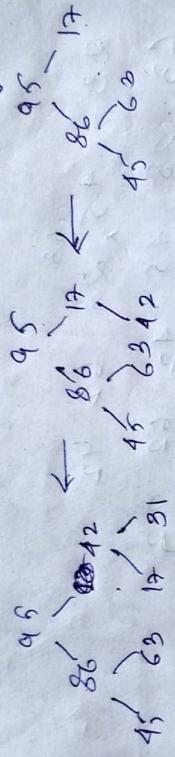
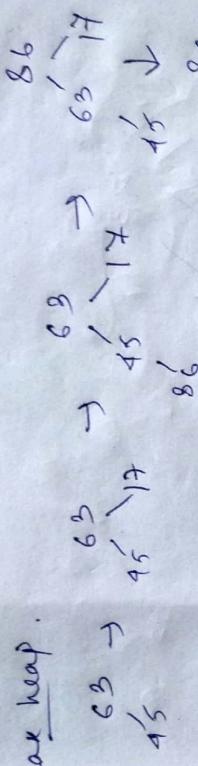


Max
Min leaf

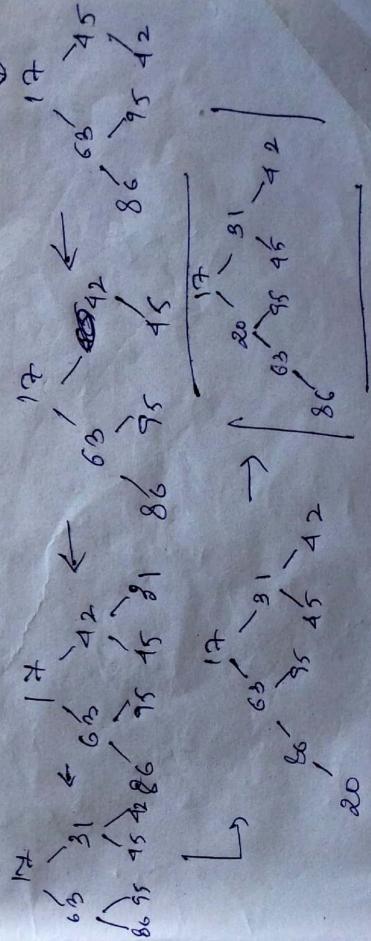
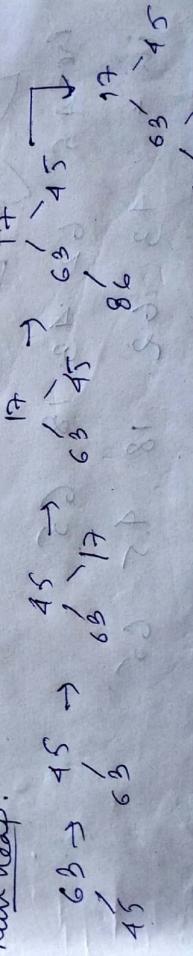


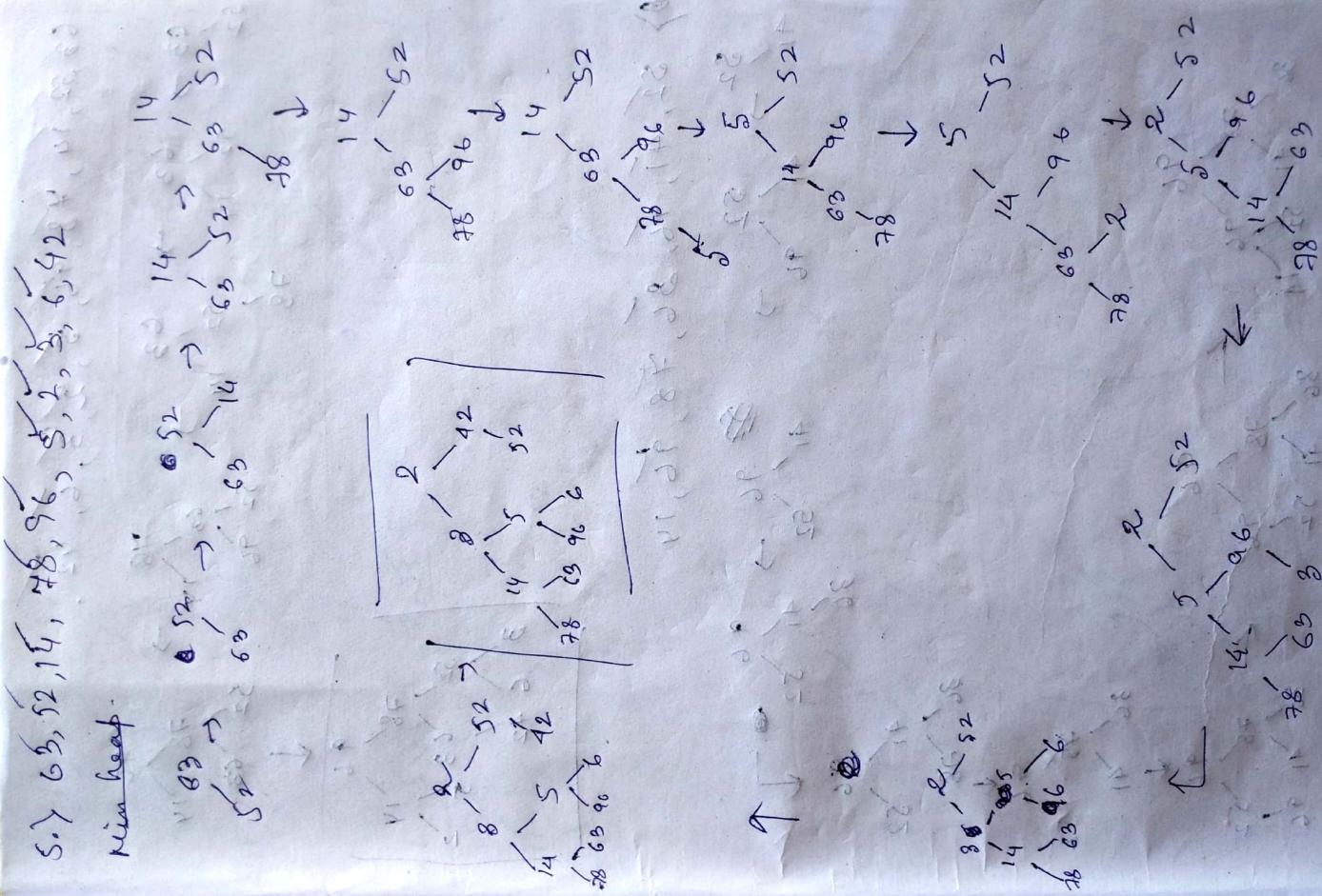
4. $63' \rightarrow 45, 17, 86, 95, 42, 31, 26$.

Max heap.

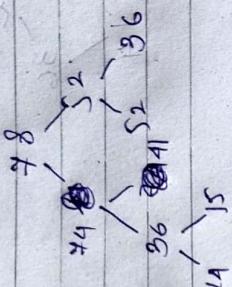
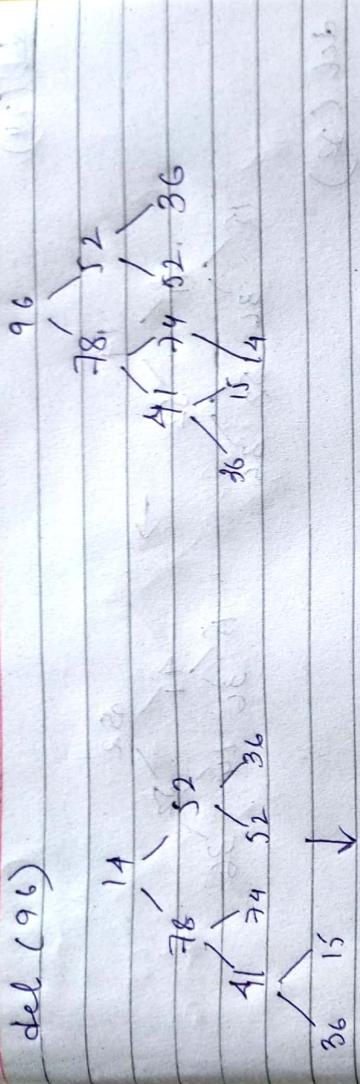


Min heap.

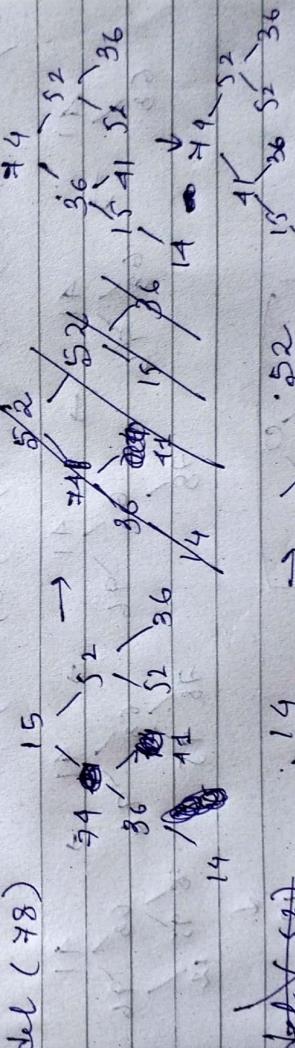




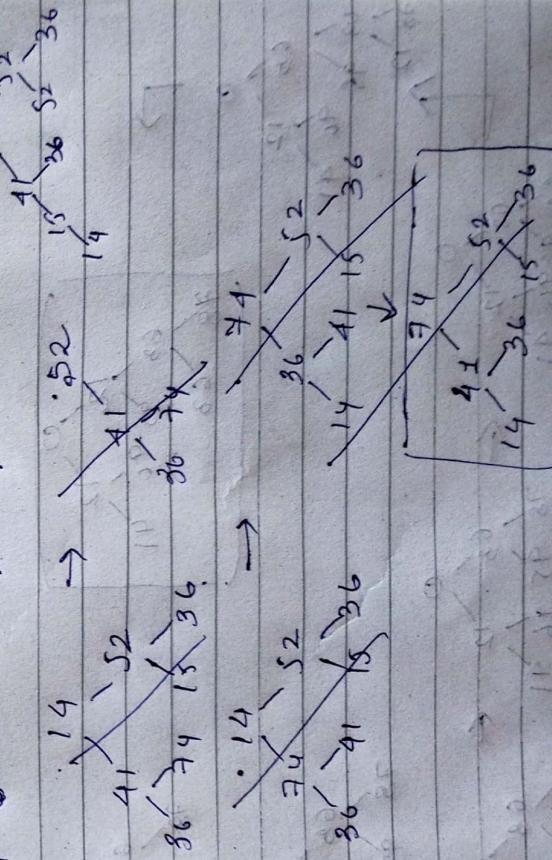
~~del (96)~~



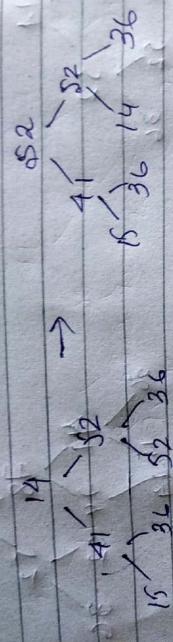
~~del (48)~~



~~del (52)~~

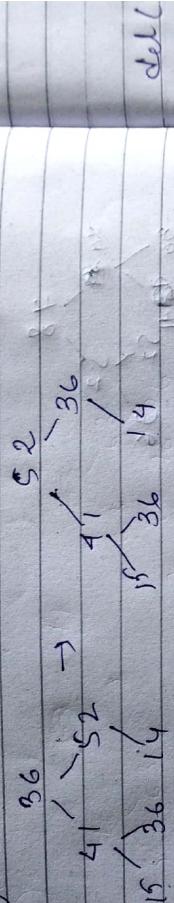


del (74)

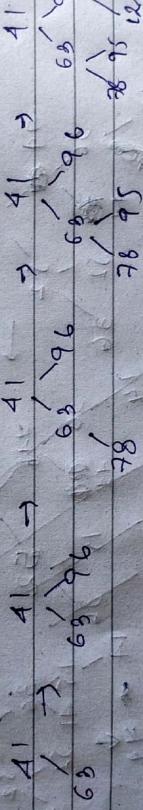


del (52)

del (52)

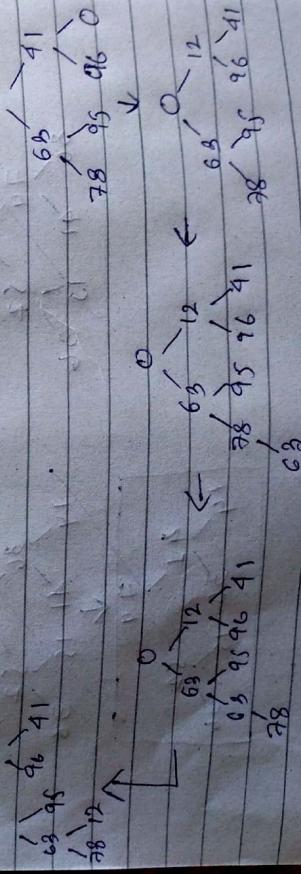
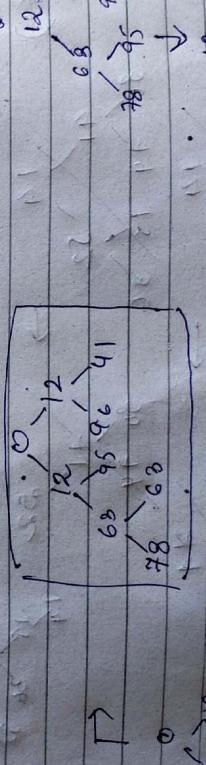


c) 41, 63, 96, 78, 95, 12, 0, 63, 12.

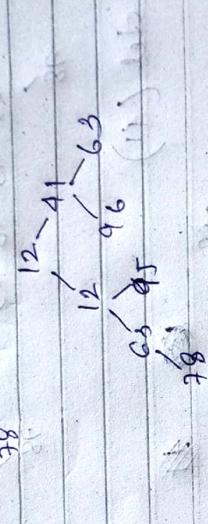
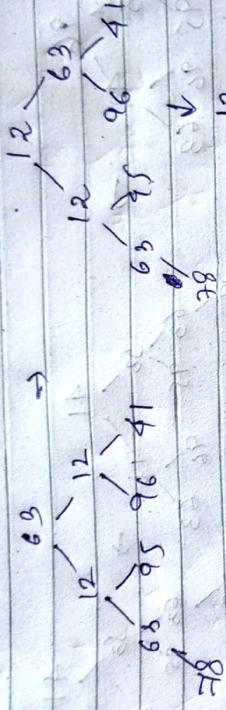


del (1)

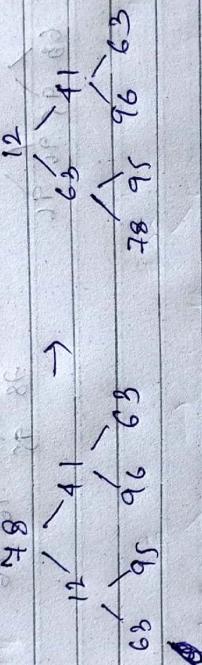
add



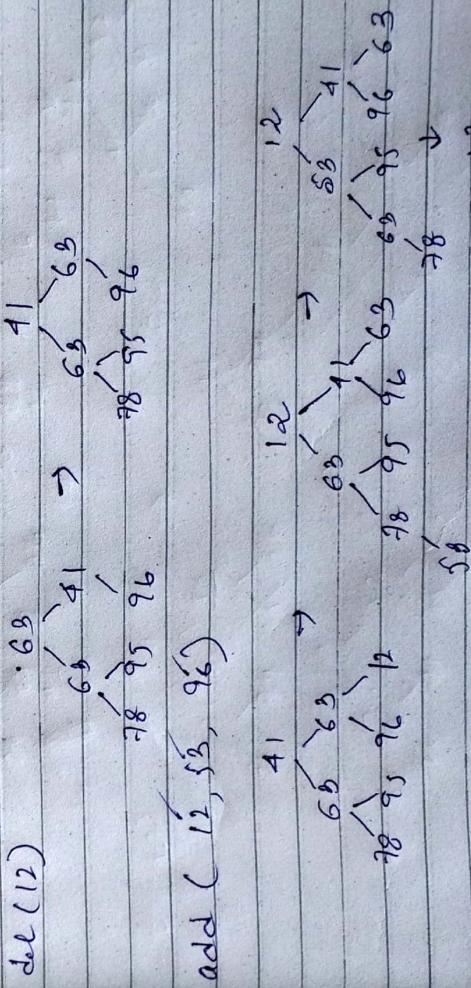
del(0)



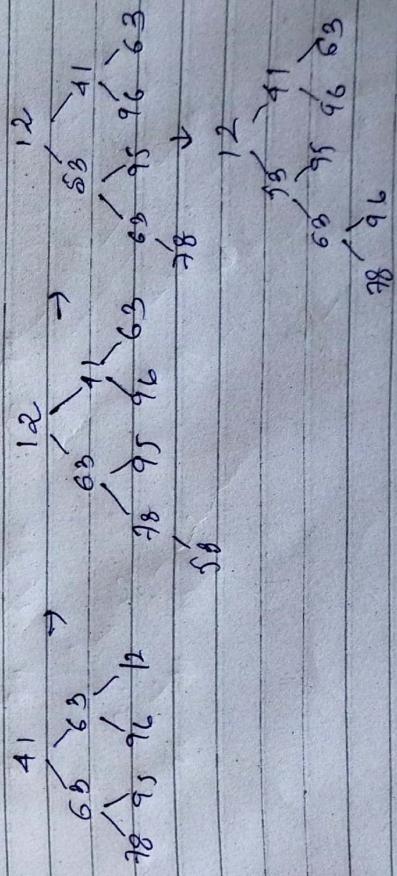
del(12)



del(12)

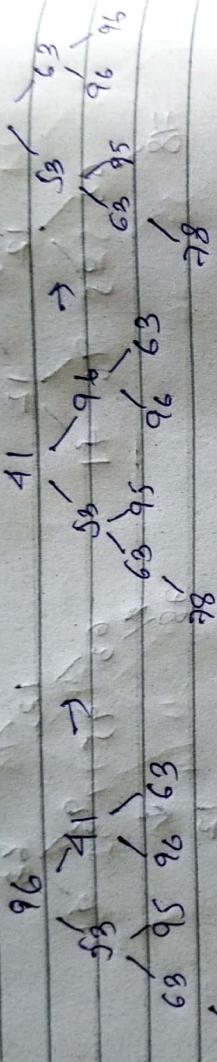


add(12, 53, 96)



del (12)

41



del (11)

