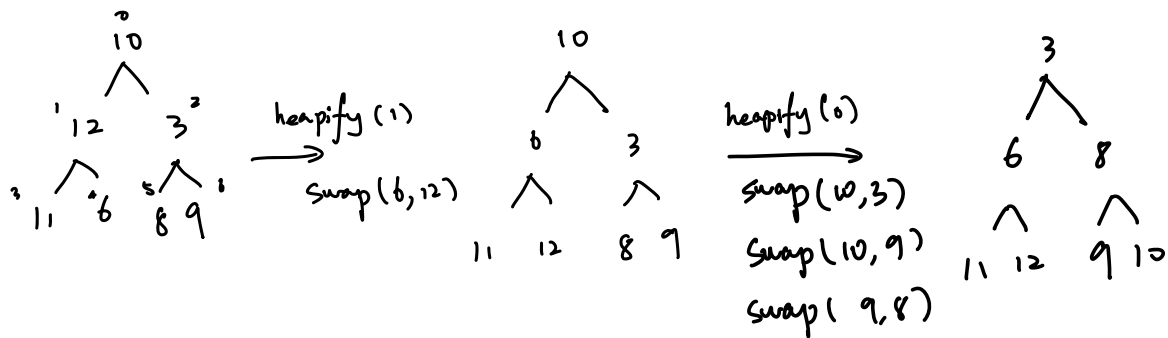
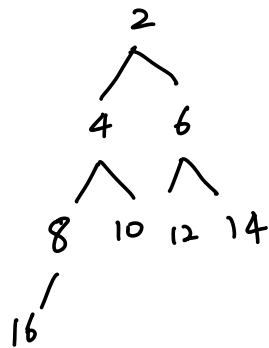


Part 4 a): [10, 12, 3, 11, 6, 8, 9]

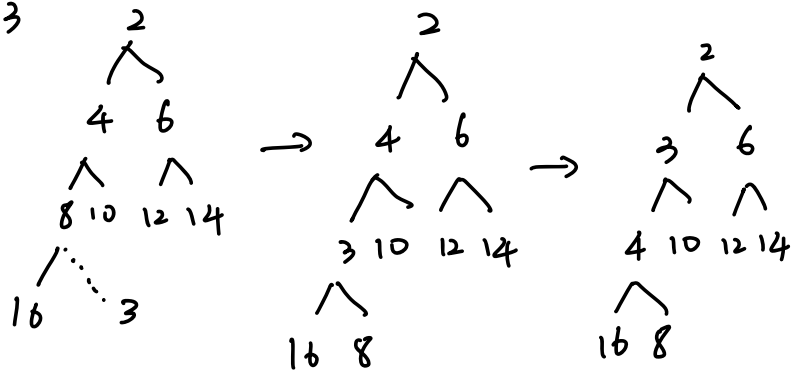


min heap: [3, 6, 8, 11, 12, 9, 10]

Part 4 b): [2, 4, 6, 8, 10, 12, 14, 16]



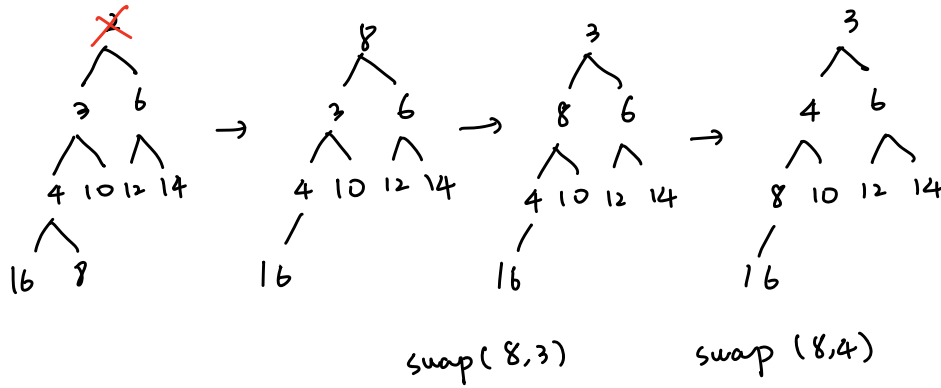
1) Insert 3



Swap (8, 3), Swap (4, 3)

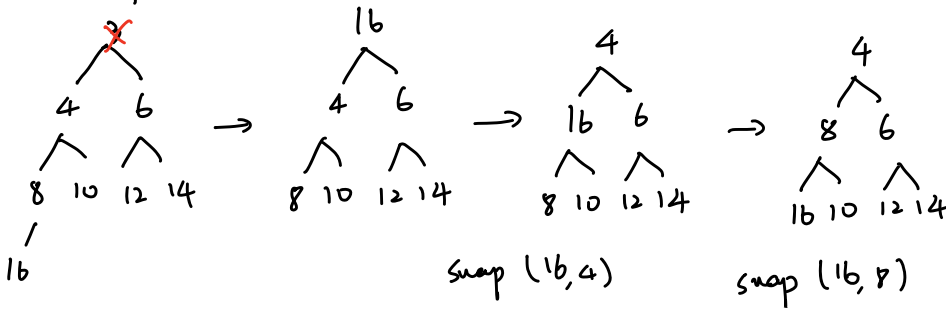
[2, 3, 6, 4, 10, 12, 14, 16, 8]

2) Pop (top element)



[ 3, 4, 6, 8, 10, 12, 14 ]

3) Pop



[ 4, 8, 6, 16, 10, 12, 14 ]

4) Insert 5

