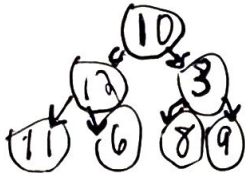


Heaps HW

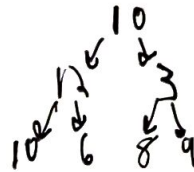
Part 4(a)

0: 10 12 3 11 6 8 9



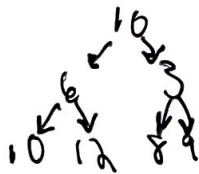
(skip the leaves)

1: 10 12 3 11 6 8 9



Subtree with root node 3 already a min-heap. So no change

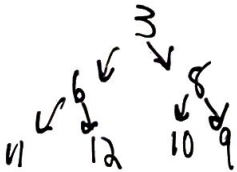
2: 10 6 3 11 12 8 9



3: 3 6 10 11 12 8 9

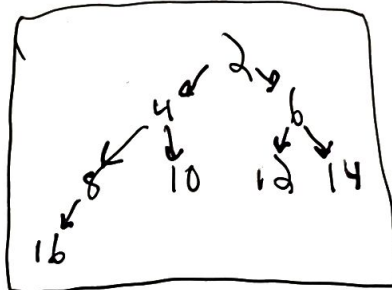


4: 3 6 8 11 12 10 9

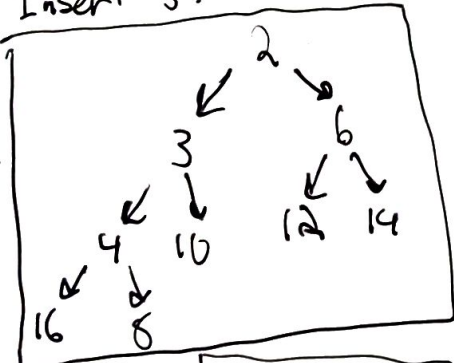


4(b)

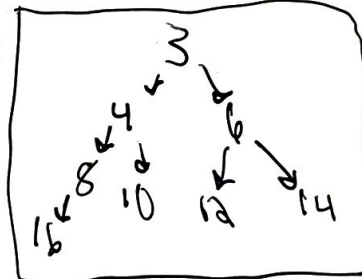
Initial:



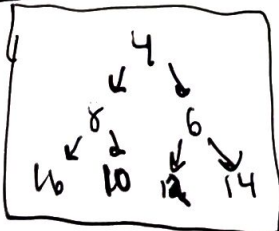
Insert 3:



Pop 1:



Pop 2:



Insert 5:

