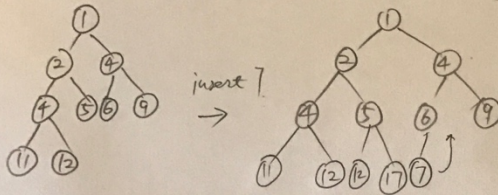
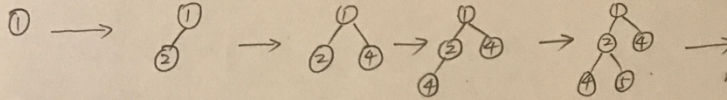


Problem 1

upheap $O(\log n)$ insert

remove Min: 1. swap (root, last), 2. null the last, 3. restore the heap order property (Down-heap)

Implement a heap using an array.

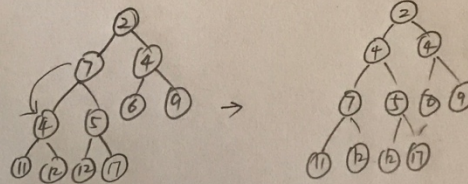
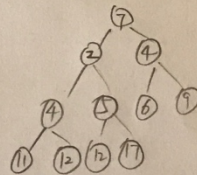


remove Min:

1. swap (root, last)

2. set last to null

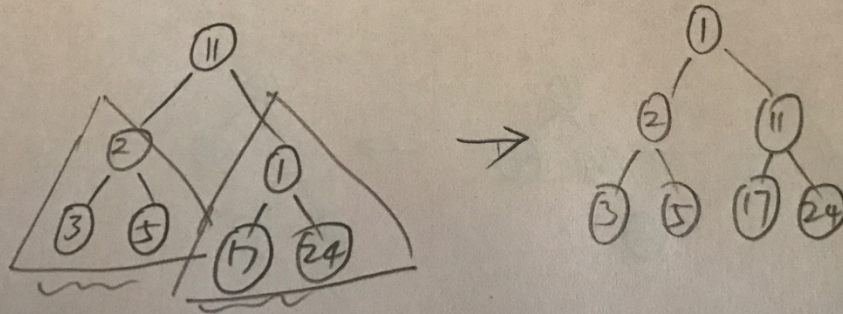
3. down heap



Problem 2

2. recursive BottomUpHeap.

[11, 5, 2, 3, 17, 24, 1]



Problem 3

