

Insert

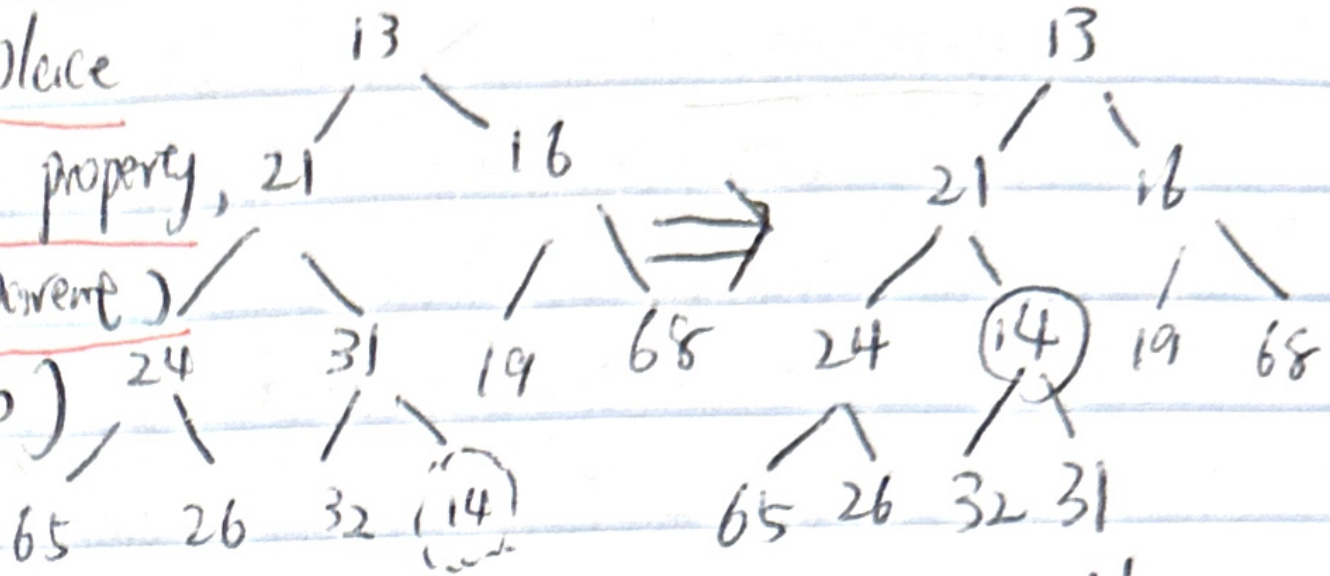
Insert(14)

1. Create a hole in next available place

2. If violating the heap order property,

move the hole up (swap with parent)

(percolate ~~down~~ up)



Running Time:

worst case :  $O(\log N)$  time, moves from the bottom to the top

average = a constant time

