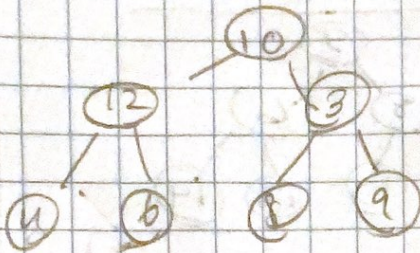
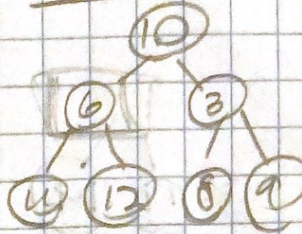


## Part 4a

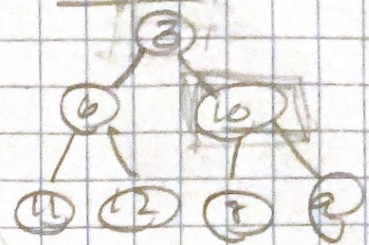
0th Iteration



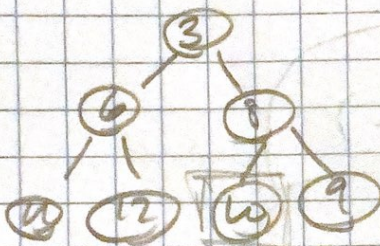
1st Iteration



2nd Iteration



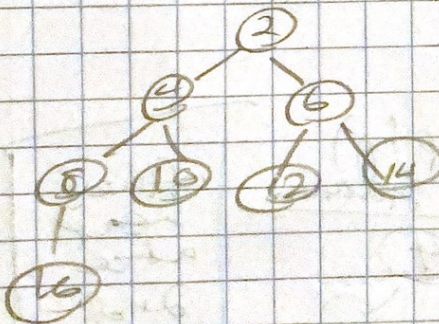
3rd Iteration



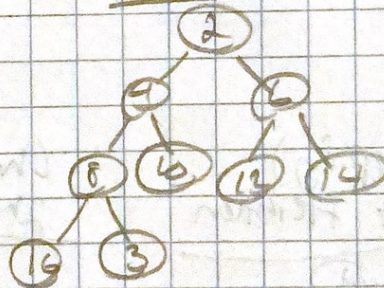
Final Min Heap  
that is created.

## Part 4b

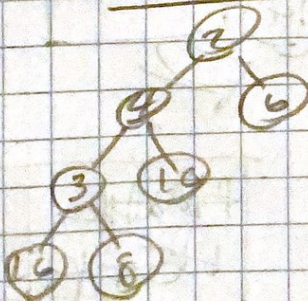
Initial container



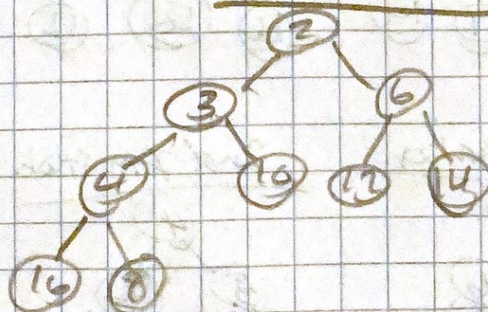
Insert(3)



1st Iteration



2nd Iteration

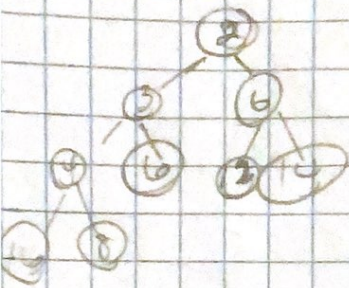


Final heap  
after  
Insert 3

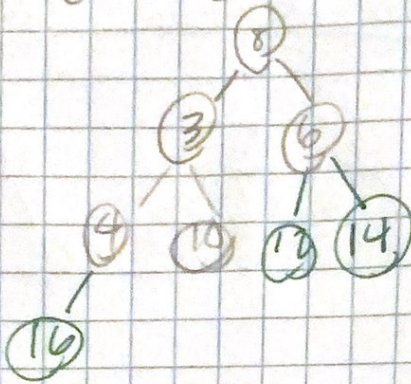


# Part 4b continued

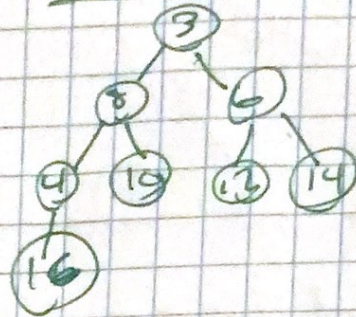
Pop Initial array



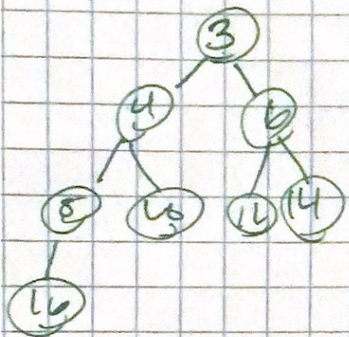
Pop



heapify)  
1st Iteration

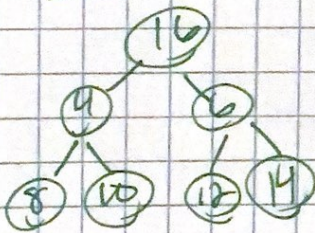


heapify)  
2nd Iteration

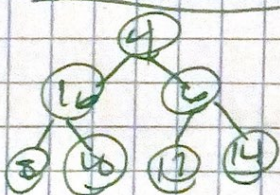


final heap  
after first pop

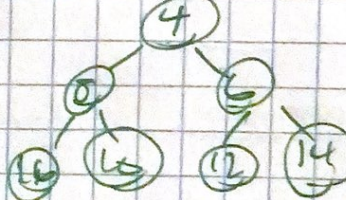
2nd Pop



heapify)  
1st Iteration

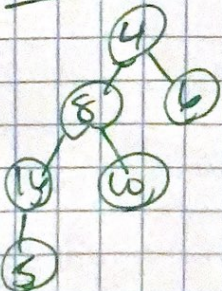


heapify)  
2nd Iteration

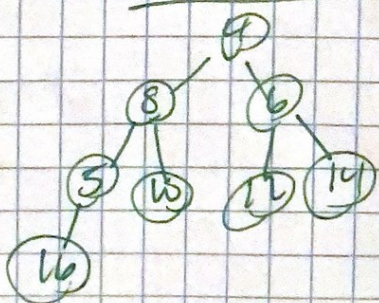


final heap  
after  
2nd pop

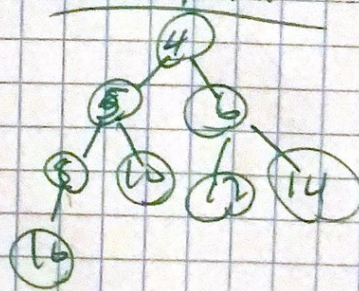
Insert 5



1st Iteration



2nd Iteration



FINAL  
HEAP