

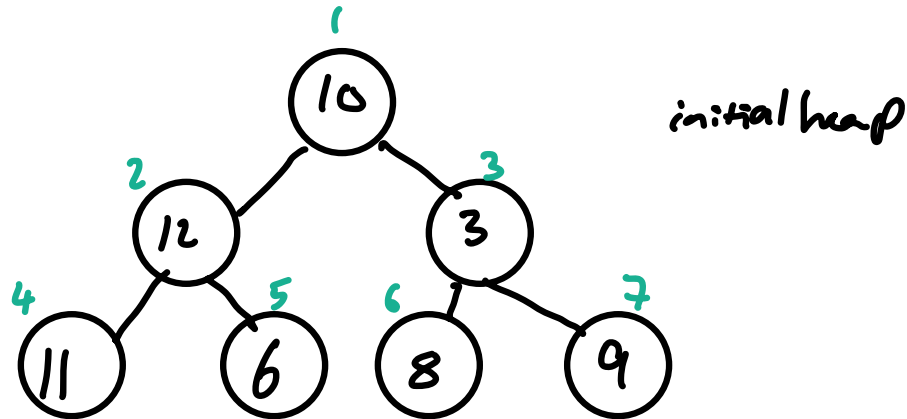
# CSCI 104

hw

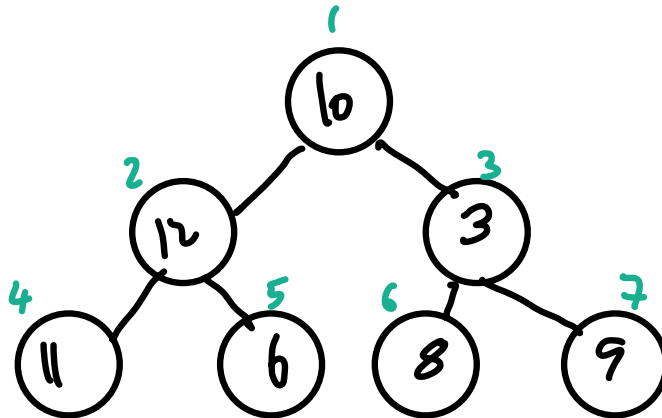
HW 3

## Problem 1 - Heap Tracing

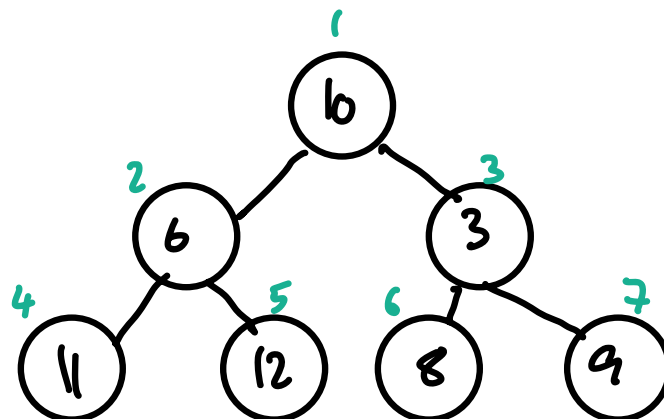
part a) [10, 12, 3, 11, 6, 8, 9]



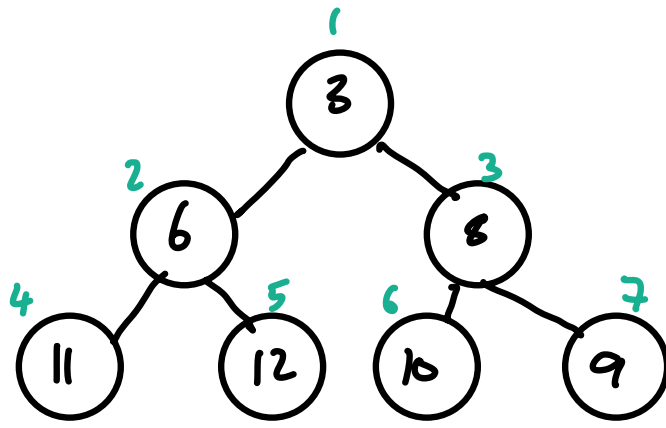
heapify (3)



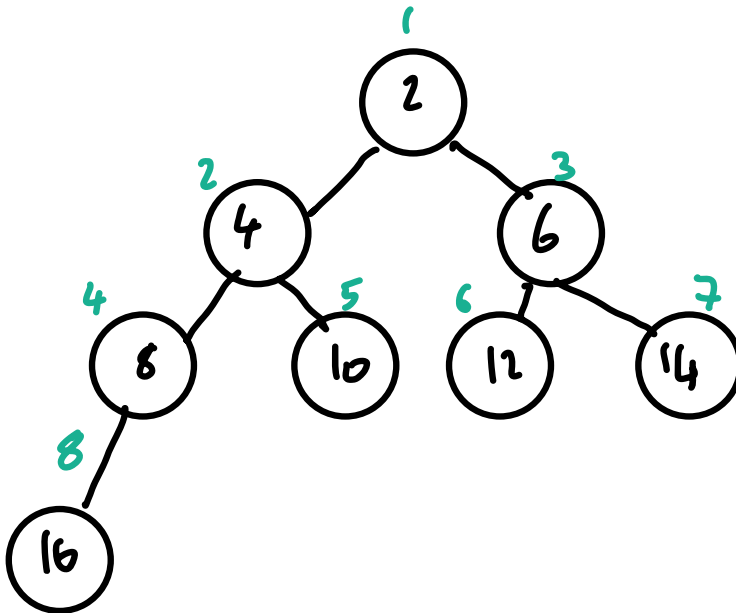
heapify (2)



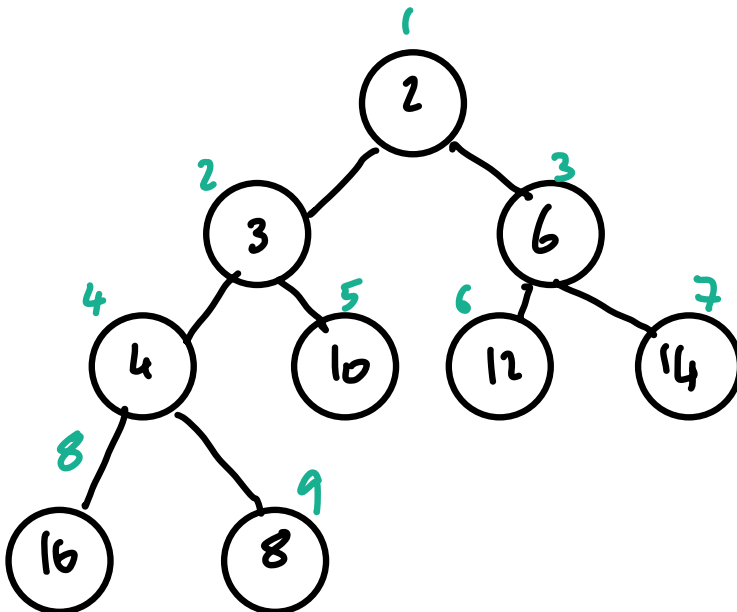
heapify (1)



part b)

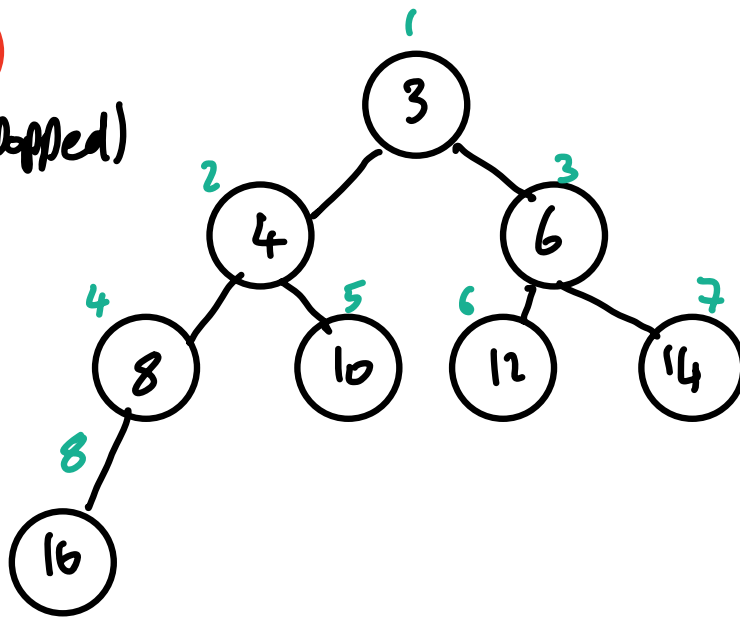


initial configuration



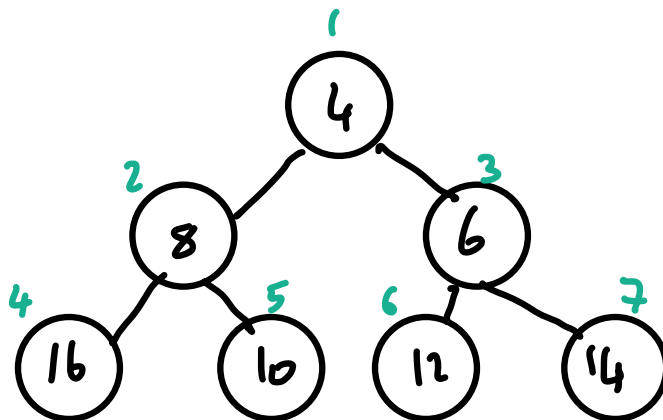
insert 3

2  
(element popped)

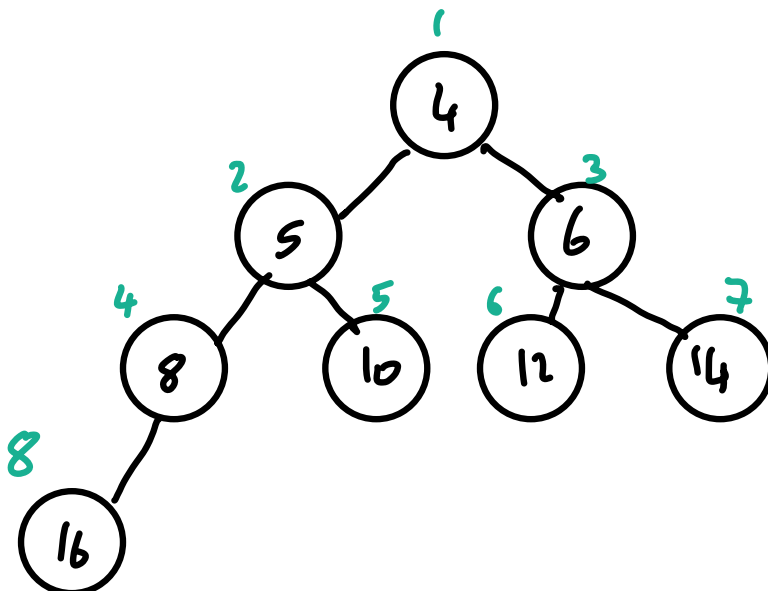


pop top element

3  
(element popped)



pop top element



insert 5