

Homework #3

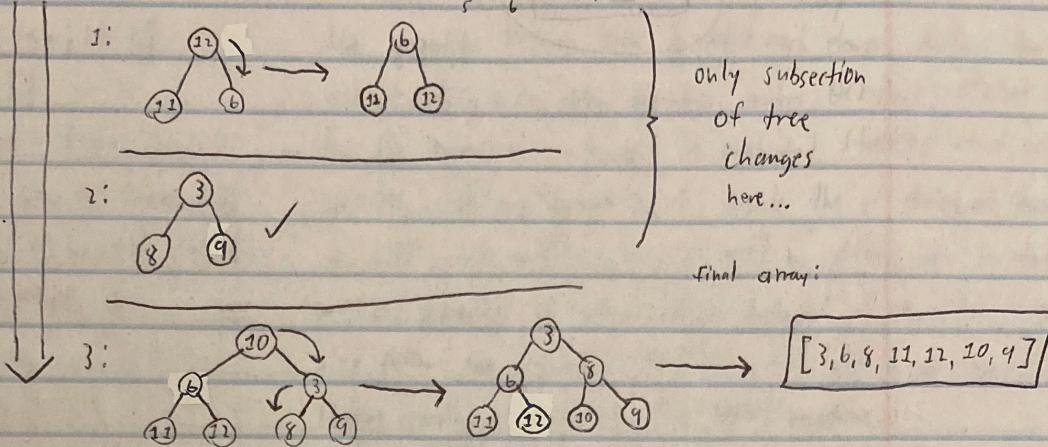
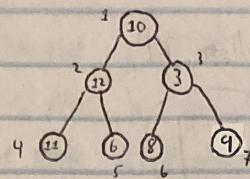
Adam Lewczuk

2/15/23

4.) a. $[10, 12, 3, 11, 6, 8, 9]$

$\begin{matrix} & 1 \\ = & 2 & 3 & 4 & 5 & 6 & 7 \end{matrix}$ 

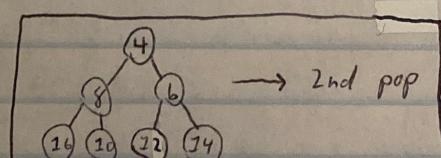
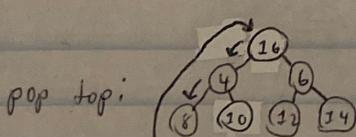
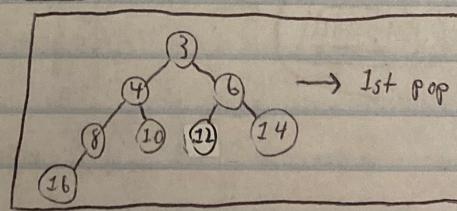
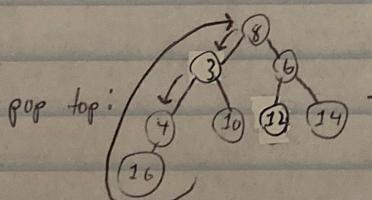
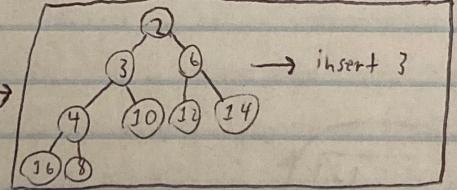
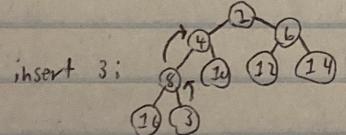
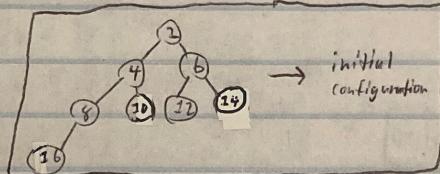
binary tree
implementation:



b. $[2, 4, 16, 8, 10, 12, 14, 16]$

$\begin{matrix} & 1 \\ = & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{matrix}$

binary tree
representation:



insert 5:

