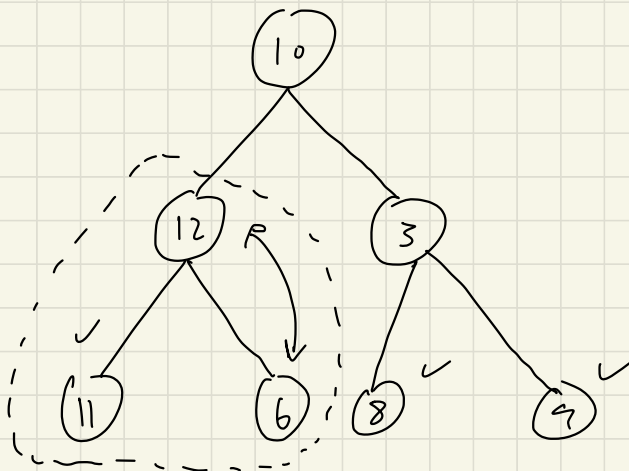


HW 3

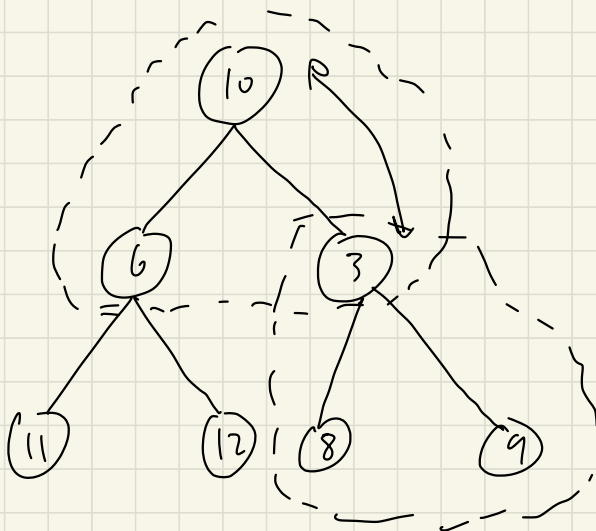
Part 4 (a)

[10, 12, 3, 11, 6, 8, 9]

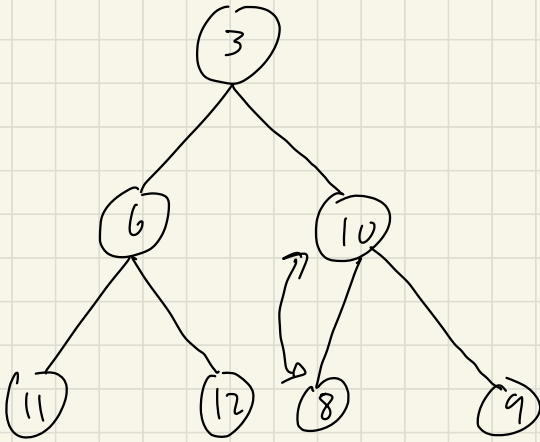
1.



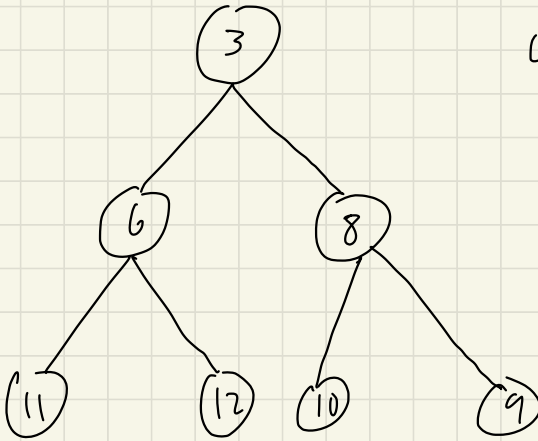
2.



3.



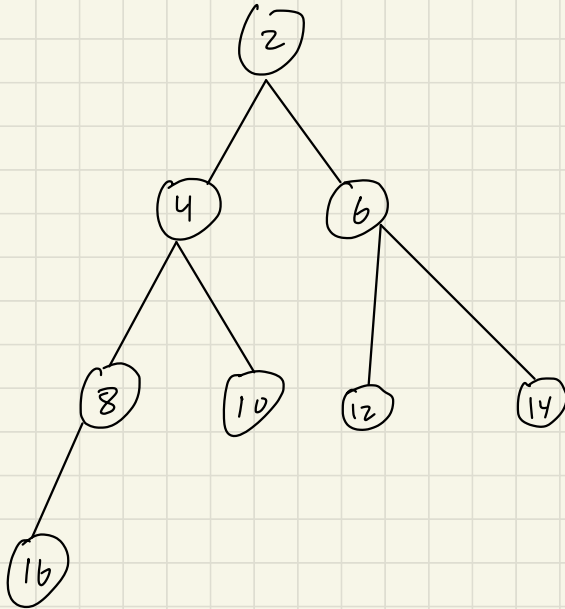
4.



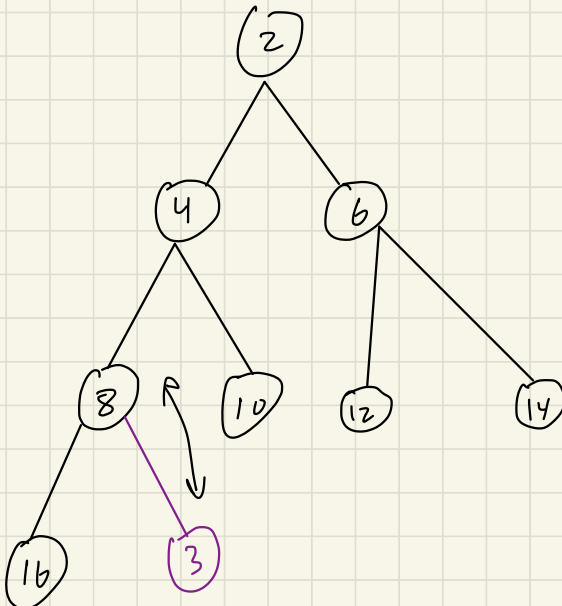
✓ final heap

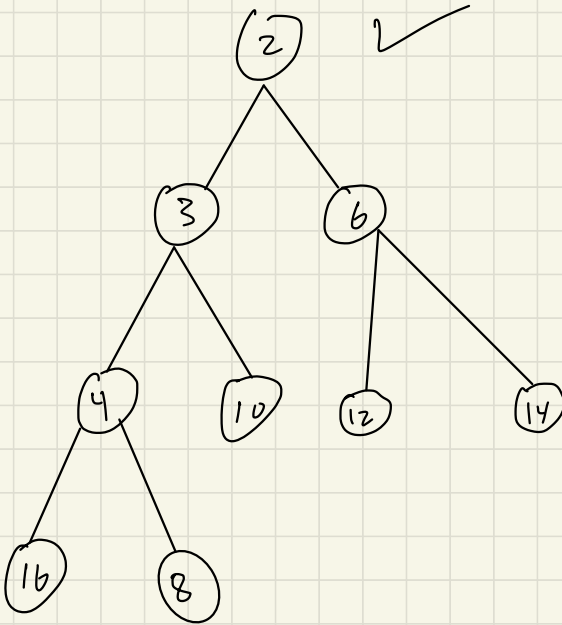
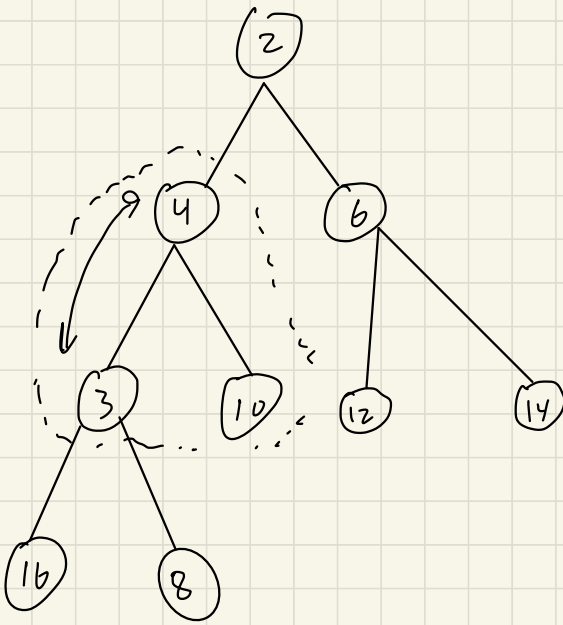
1.

[2, 4, 6, 8, 10, 12, 14, 16]

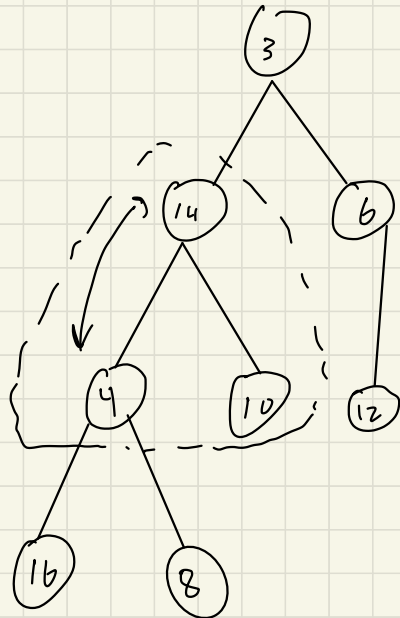
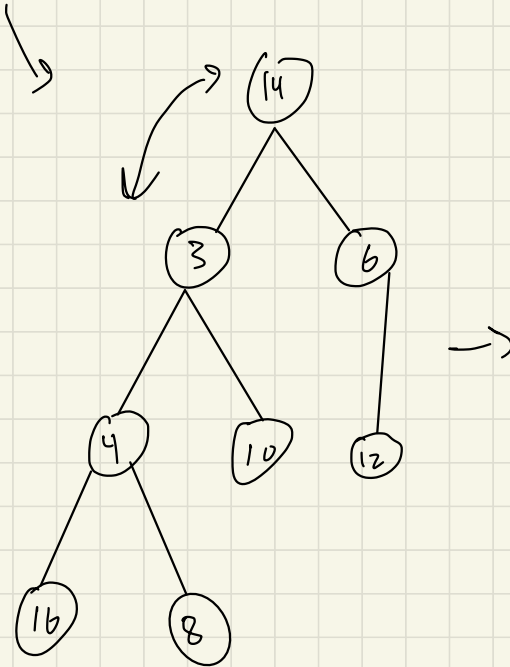
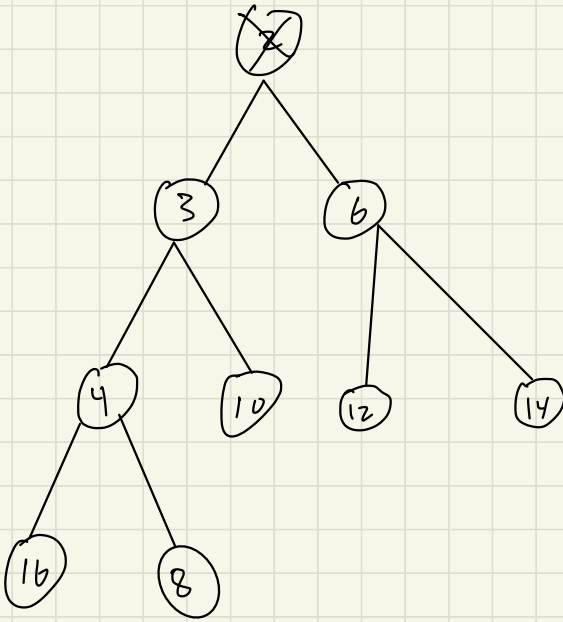


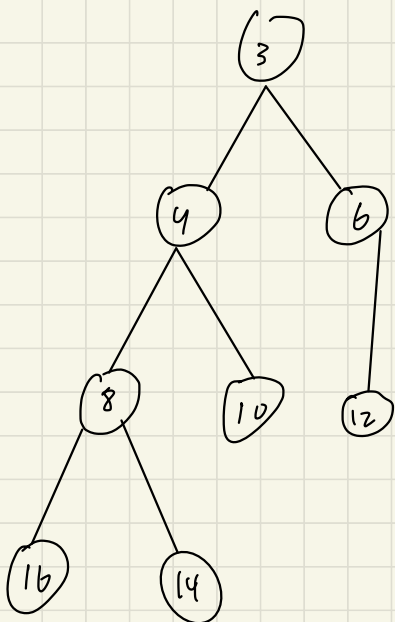
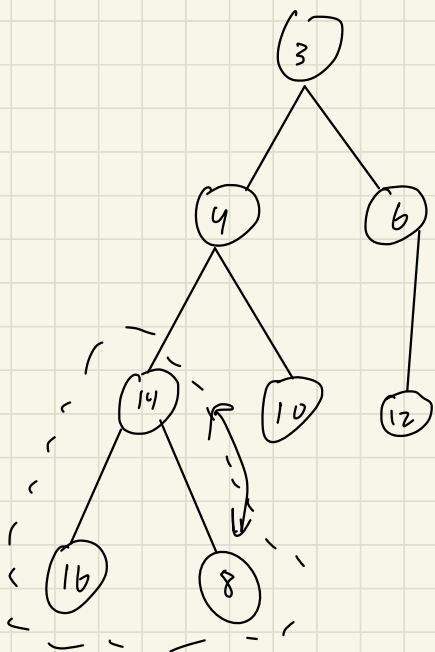
2. insert 3



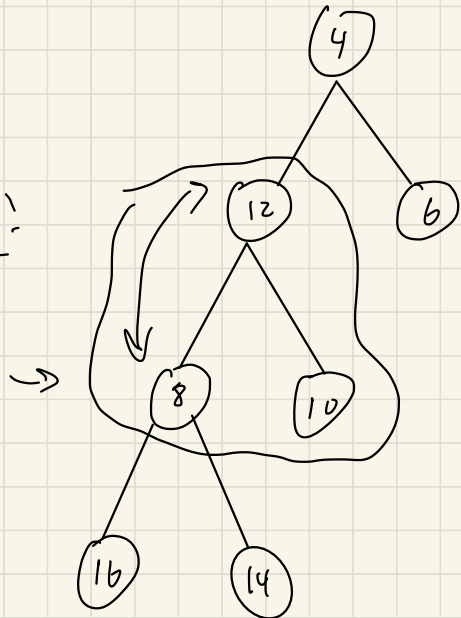
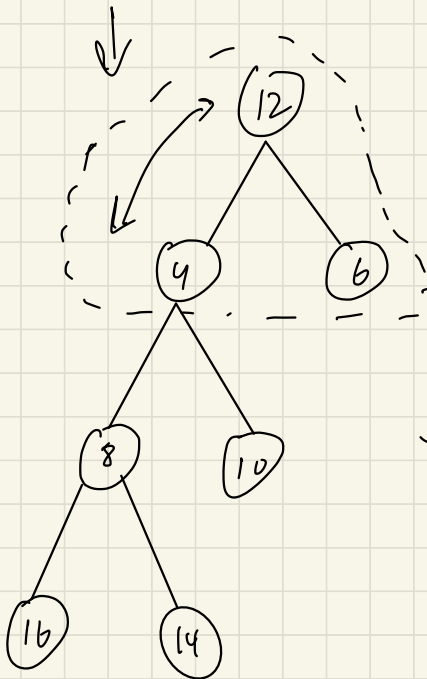
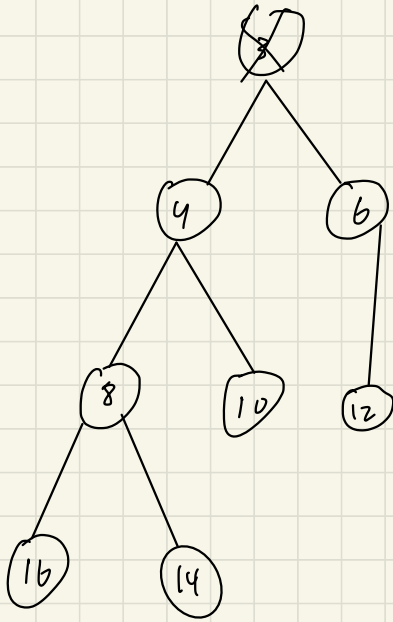


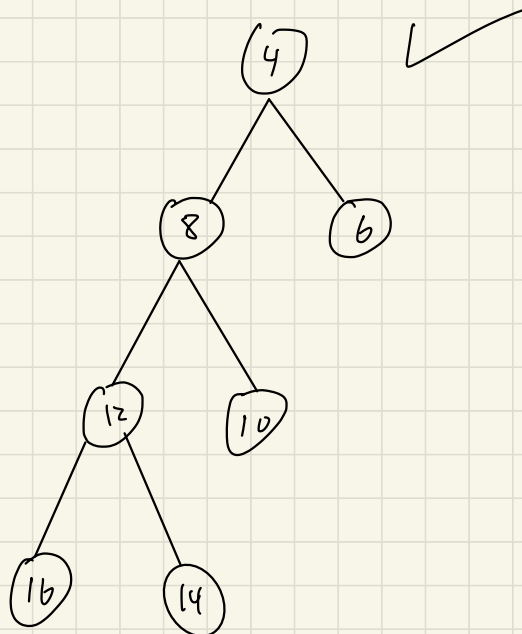
3. Pop (top element): remove and replace with leftmost node





4. Pop (top)







5. insert 5

