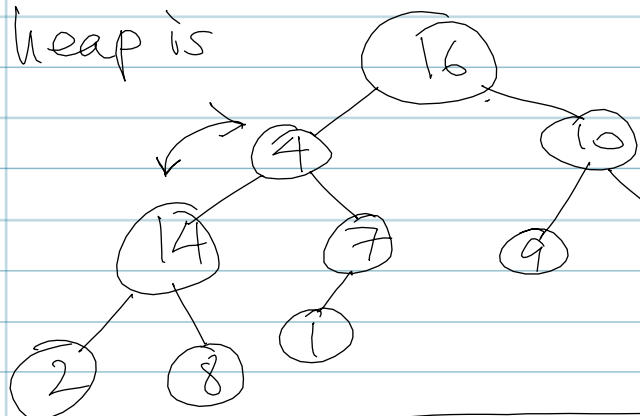


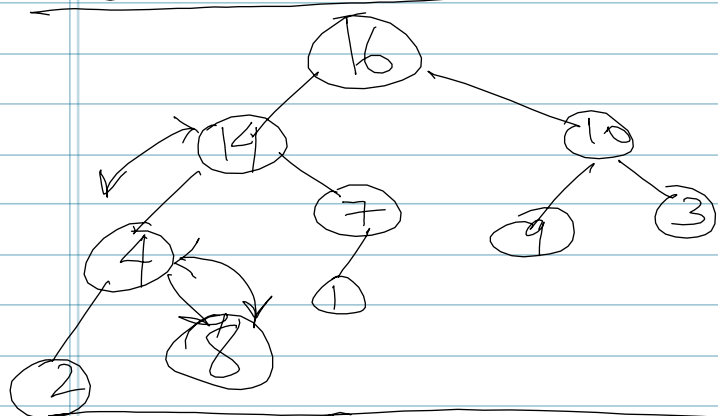
Heapsort

1) MAX HEAPIFY procedure: parent > child

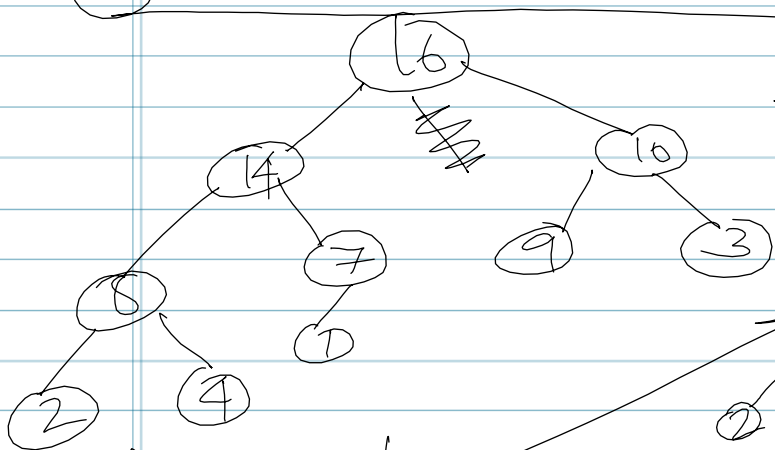
heap is



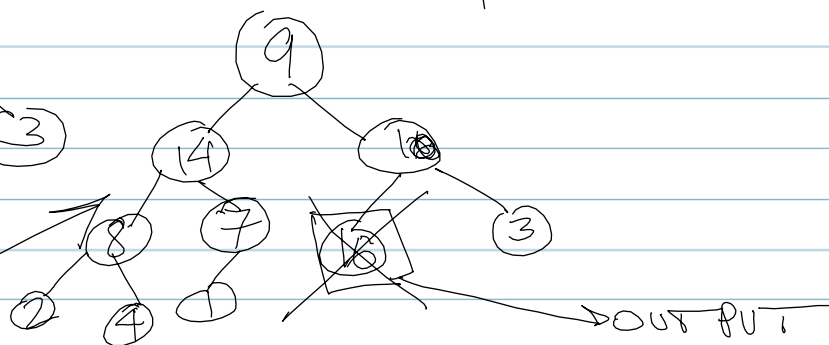
~~16~~: 4 in wrong place, MAX-HEAPIFY floats 4 down to its position.



4 still in wrong place! - keep floating it down



Correct! parent > child.



2) Heapsort

- swap
- extract max (16)

root with a leaf: 16 swap with 9



in wrong position, MAX-HEAPIFY + float 9 down. REPEAT.