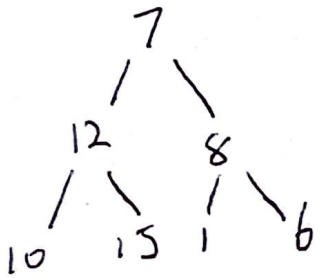
Problem 1 HW3

Part a)

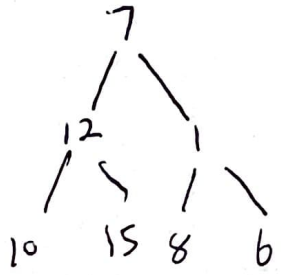
[7, 12, 8, 10, 15, 1, 6]

Original State:



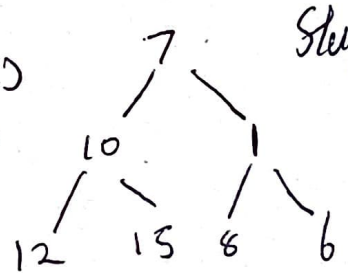
heapify()

Stage 1



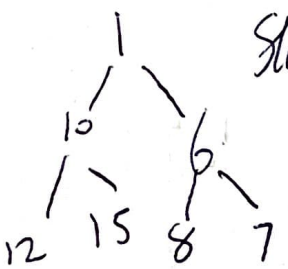
heapify()

Stage 2



heapify()

Stage 3

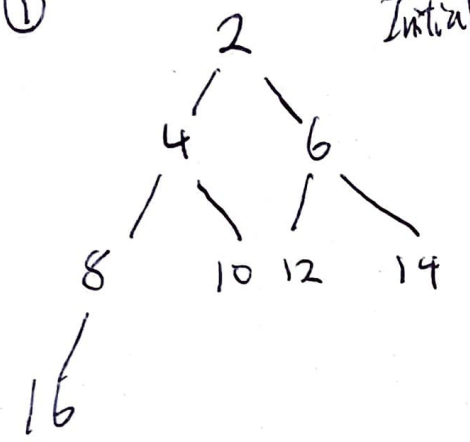


HW3

Part 2)

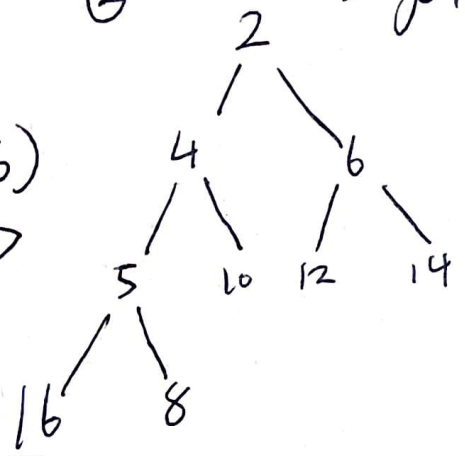
[2, 4, 6, 8, 10, 12, 14, 16]

① Initial State



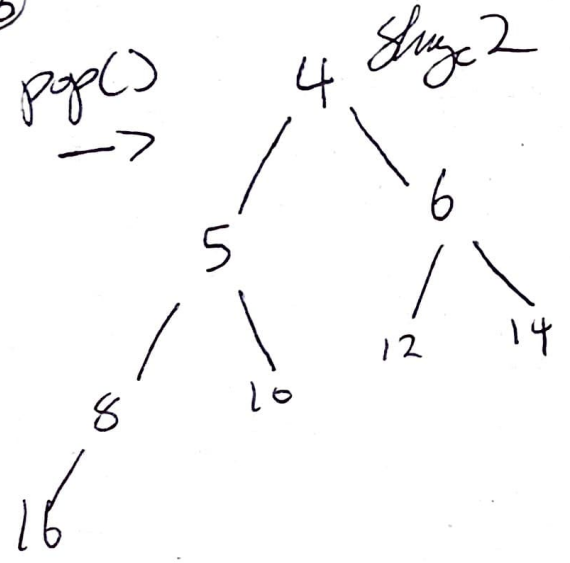
② Stage 1

insert(5) →



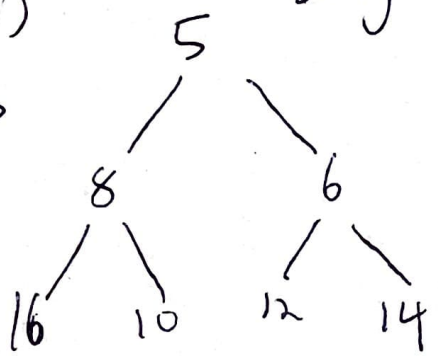
③ Stage 2

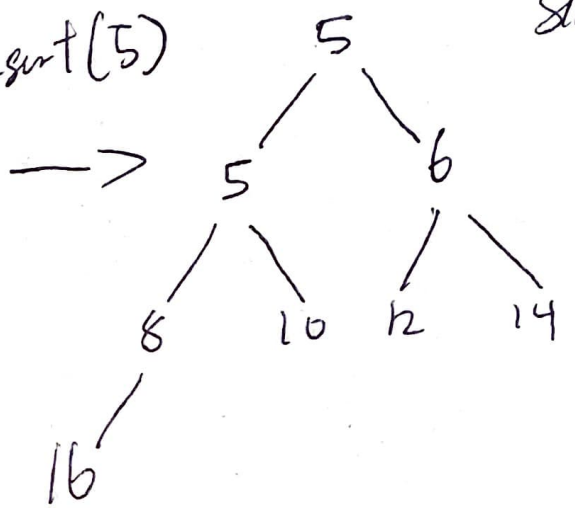
pop() →



④ Stage 3

pop() →



⑤ Stage 4

insert(5) →