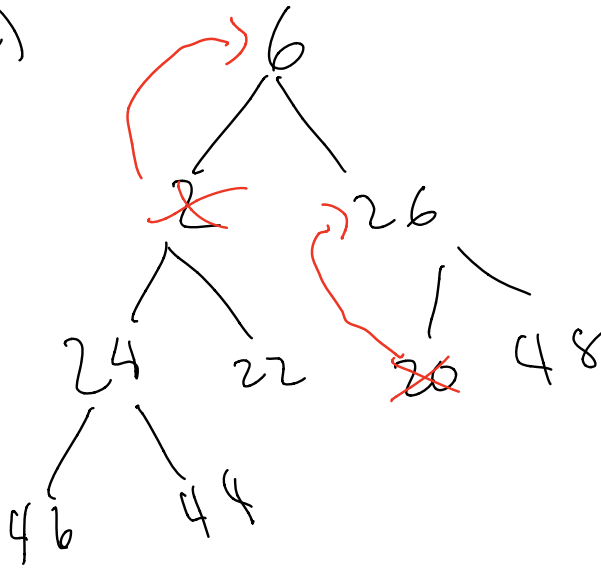
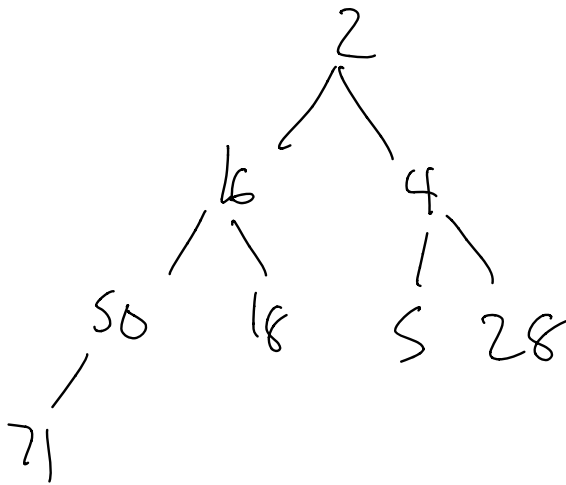


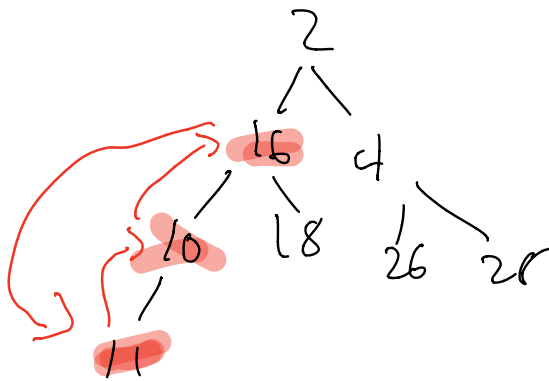
2)



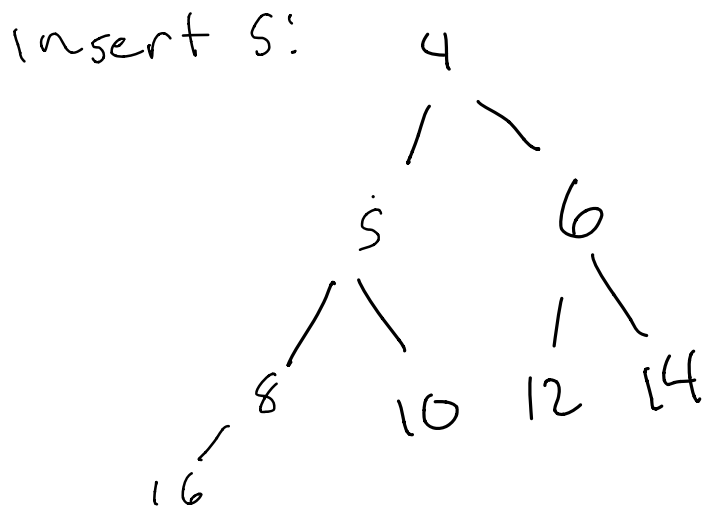
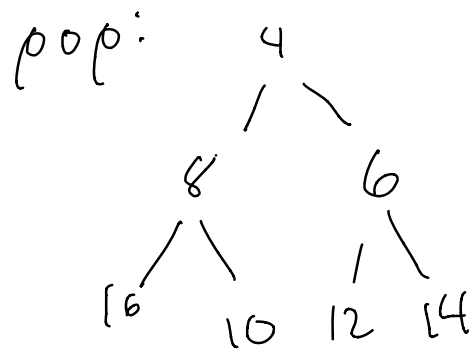
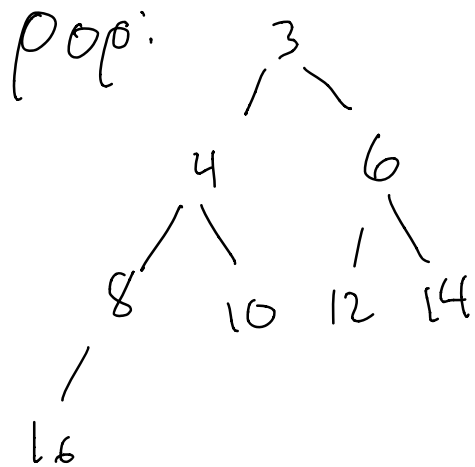
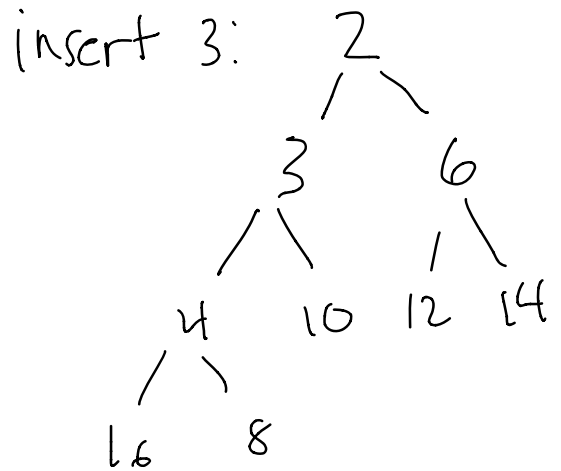
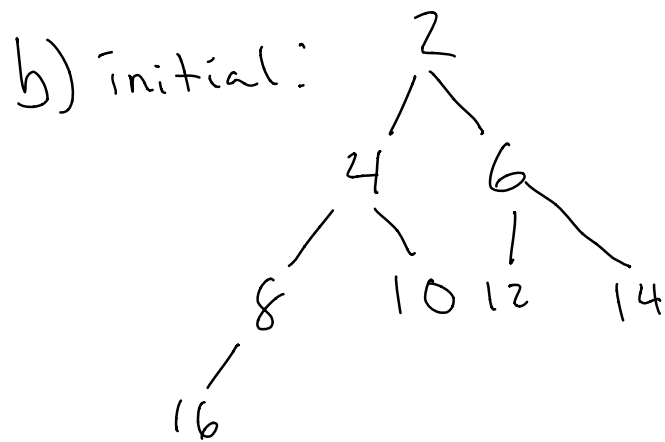
incorrect: 2, 6, 20, 26
are out of
place



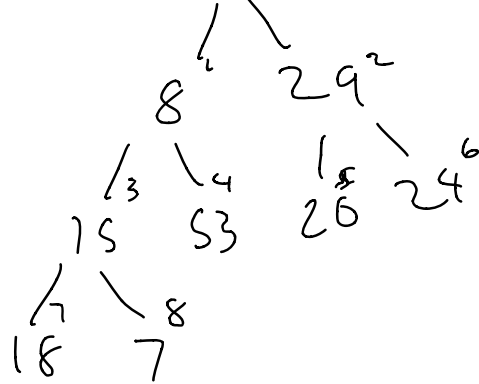
correct: valid heap



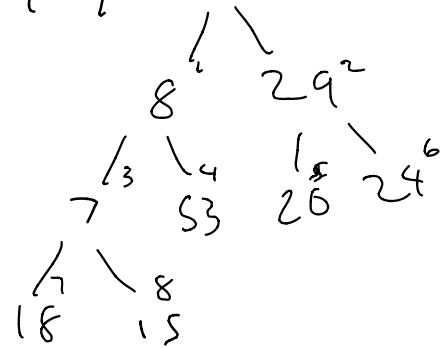
incorrect: 16, 10, 11
are out of
place



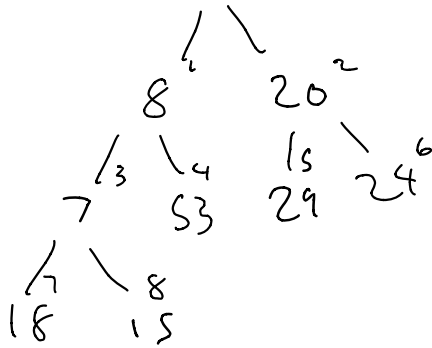
C) Original: 38⁰



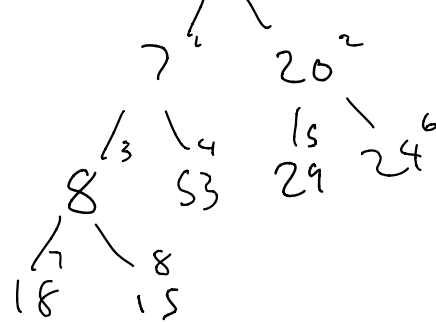
1) heapify(3): 38⁰



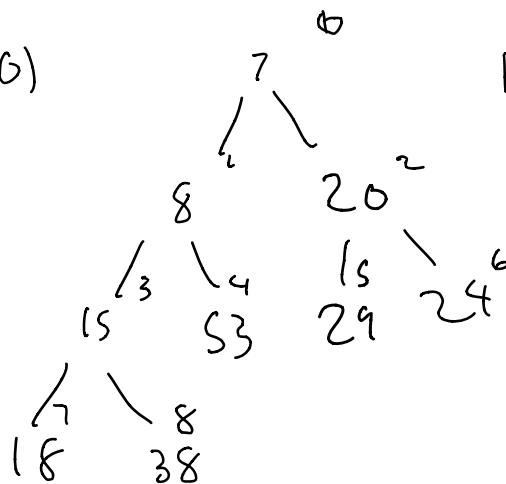
heapify(2): 38⁰



heapify(1): 38⁰



heapify(0)



Final: [7, 8, 20, 15, 53, 29, 24, 18, 38]