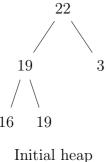
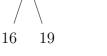
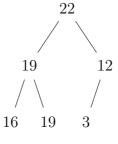
Introduction to Programming in Python, I Semester, 2014–2015 Quiz 5, 13 October 2014

Consider the max heap [22,19,3,16,19], represented as a list.

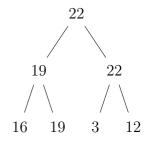
1. Draw the heap after inserting 12 and then 22. You do not have to explain each step or draw sub-steps, just draw the heap as it appears after each insertion is completed. (5 marks)







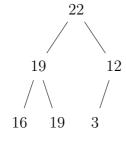
After inserting 12



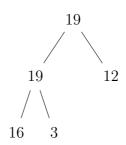
After inserting 22

2. Redraw the heap after two deletemax operations.

(5 marks)



After first deletemax



After second deletemax