

HW4 - Section 6.4 - Question 7a

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Sort 1, 2, 3, 4, 5 using Heapsort (pictures below)

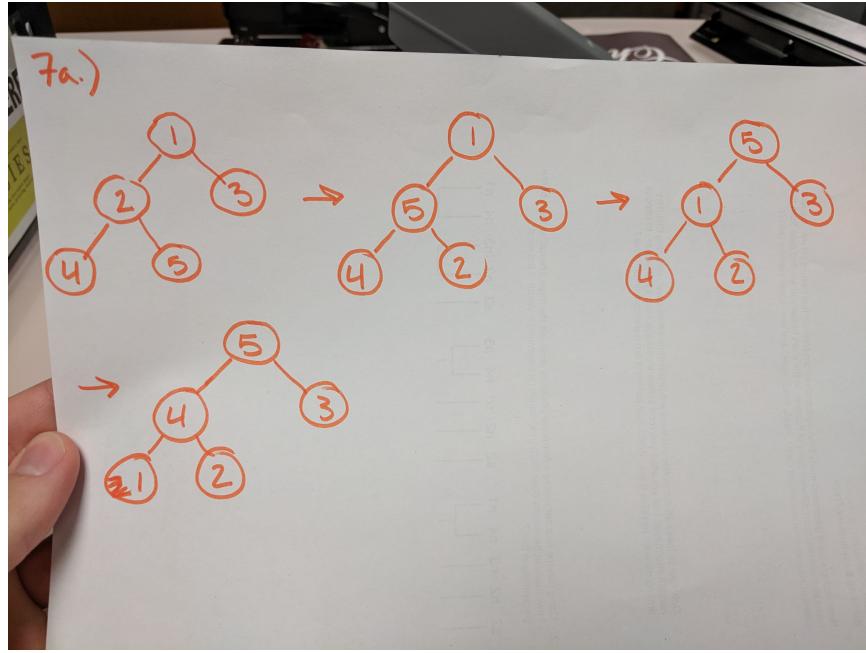


Figure 1: Turning list into max heap

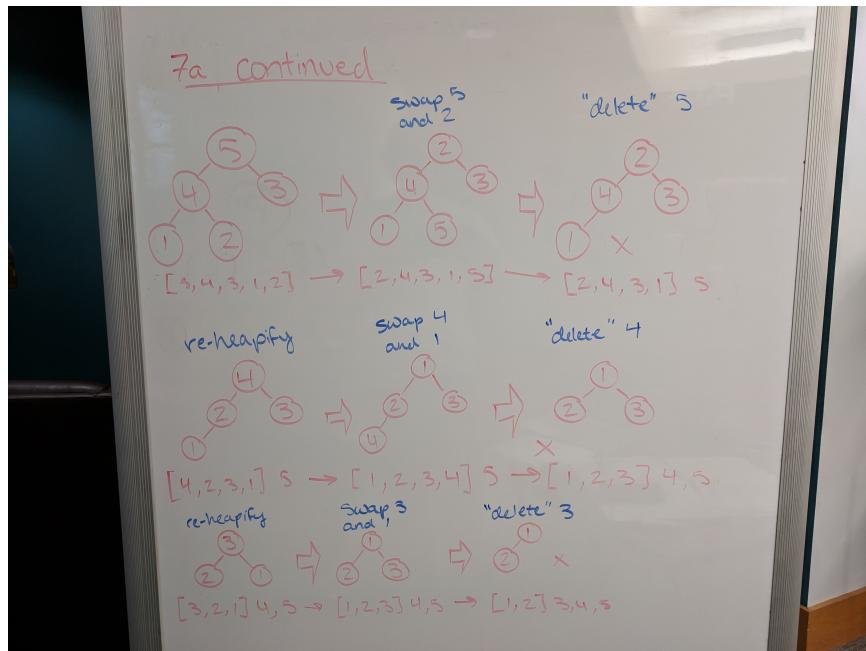
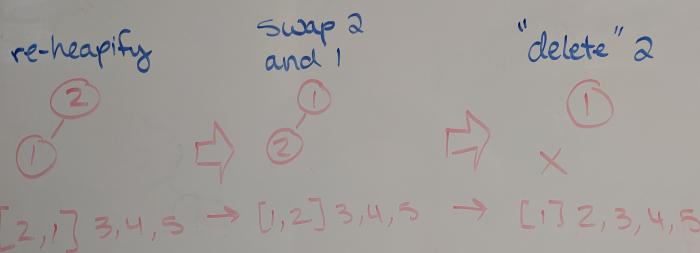


Figure 2: Sorting using Heapsort

7a continued



"delete" 1
(no need to reheapify)

X
1, 2, 3, 4, 5

Figure 3: Sorting using Heapsort (continued)