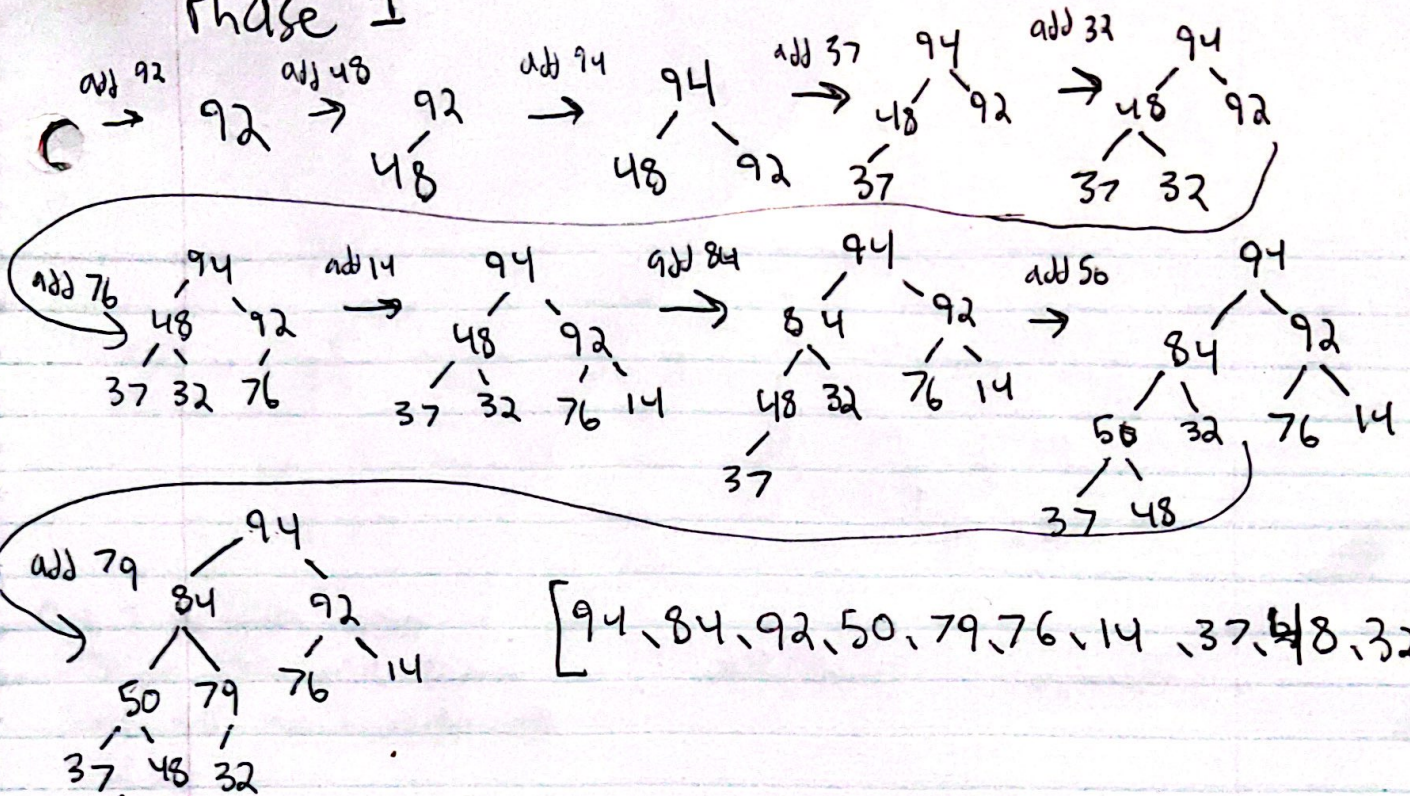
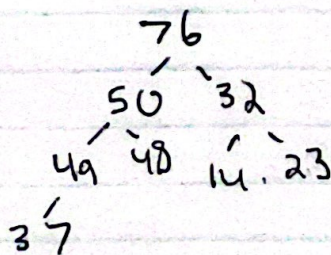
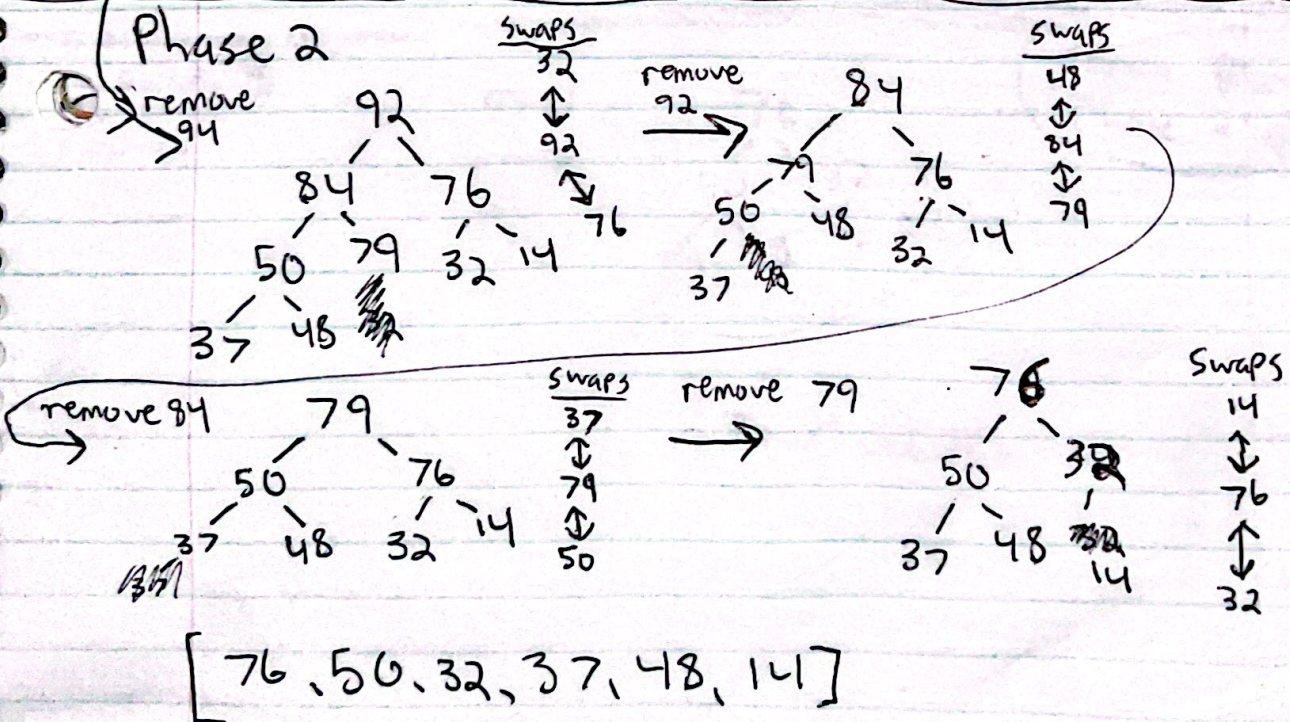
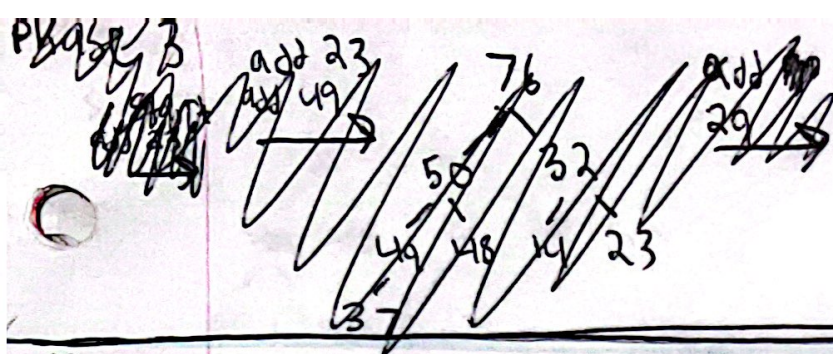


Phase 1



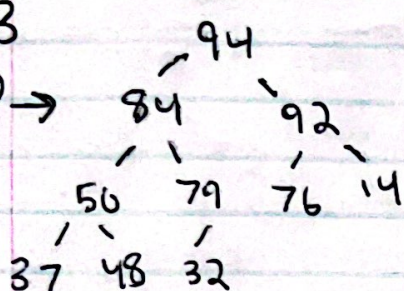
Phase 2



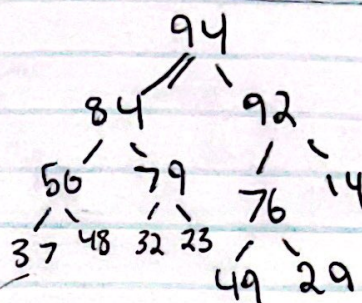


Phase 3

Starting heap



add 23
add 49
add 29



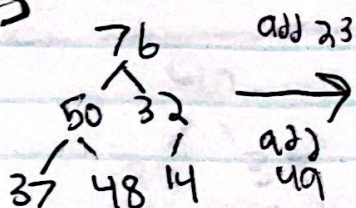
Starting from Phase 1

All 3 numbers were smaller than the parent node, so no heapifying needed

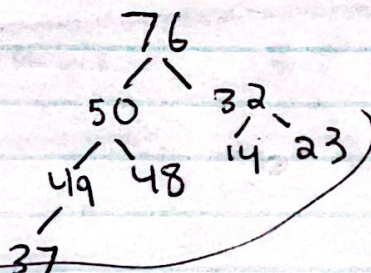
[94, 84, 92, 50, 79, 76, 14, 37, 48, 32, 23, 49, 29]

Phase 3

Starting heap

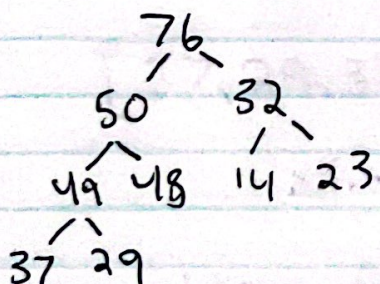


add 23
add 49



Starting from Phase 2

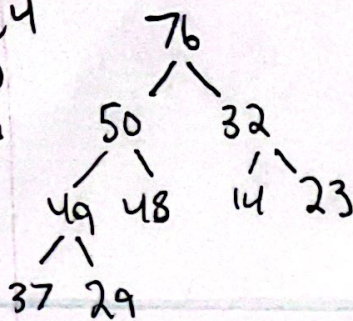
add 29



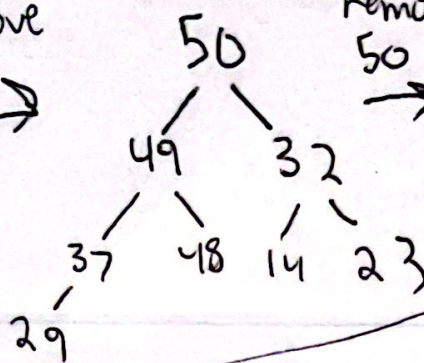
[76, 50, 32, 49, 48, 14, 23, 37, 29]

Phase 4

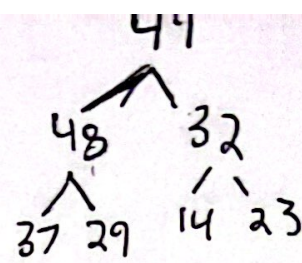
Starting heap



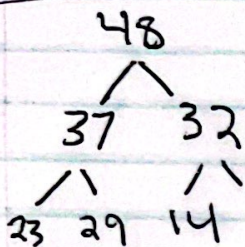
remove 76



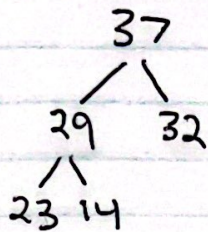
remove 50



remove 49



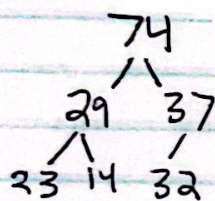
remove 48



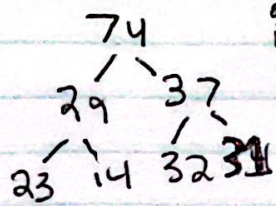
[37, 29, 32, 23, 14]

Phase 5

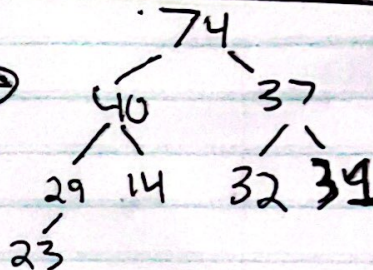
add 74



add 31



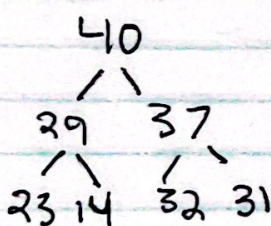
add 40



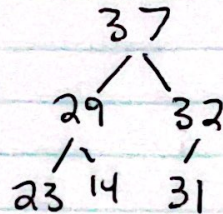
[74, 40, 37, 29, 14, 32, 31, 23]

Phase 6

remove 74



remove 40



[37, 29, 32, 23, 14, 31]

P.S. Great length for the assignment and the heaps got small enough at the end so it never got too tedious. nice! :)