

CMSC 441

Homework 7

Reading Assignment:

- Listen to Berlioz's *Symphonie Fantastique*
- Read Chapters 6 and 8 of the text.

Homework:

- 1) Exercise 8.2-1, page 196
- 2) Exercise 8.3-1, page 199
- 3) Exercise 8.4-1, page 204
- 4) Suppose a file of distinct keys in decreasing order is to be sorted (into increasing order) by Max-HeapSort. How many comparisons of keys are done in the heap construction phase if there are 10 keys?
- 5) Draw all of the different heaps that can be made from the five keys 1,2,3,4,5.