HW#4

- 1. **Exercise 4-2 (Pg 139).** Recall that sorting can be solved in worst case O(n log n) time.
- 2. Exercise 4-6 (Pg 140).
- 3. **Exercise 4-12 (Pg 140).** Use heaps!
- 4. **Exercise 4-29 (Pg 142).** Proof by contradiction. Assume Mr. Dull is correct and show that this leads to an incorrect assertion. (Assume Mr. Dull's data structure uses comparisons.)
- 5. Exercise 4-33 (Pg 143). If it helps, I think this is a tough problem!