CMSC 451: Homework 5, Spring 2005

Due at the beginning of class on **April 26, 2005**.

Warning: some of the problems require thought - do not wait until the last day to start working on them!

If you cannot come up with algorithms that run in the required time, then provide (correct) slower algorithms for partial credit. Write your answers using *pseudo-code* in the same style as the textbook. These make the algorithm description precise, and easy to read (as opposed to code in C or some other language).

1. Problem 1 in Section 8.11, pages 477-478 of the textbook.
2. Problem 2 in Section 8.11, page 478 of the textbook.
3. Problem 4 in Section 8.11, page 479 of the textbook.
4. Problem 5 in Section 8.11, page 479 of the textbook.