

HOMEWORK 4

Due Friday, October 9, 2009 at the beginning of class

For general homework policies and our suggestions, please see the policy document.

Read *all* of Sections 3.2 and 3.3 in the book, even those parts that we did not cover in the lectures.

Do not forget to look at Jeff's grading rubric before you write down your solutions.

No collaboration is allowed on the first problem and the last problem is due in *two weeks*.

1. (**Your must work on this problem on your own: NO collaboration is allowed**) (40 points)

Exercise 2 in Chapter 3

2. (40 points) Exercise 4 in Chapter 3.

3. (20 points) Exercise 6 in Chapter 3.

4. (**Turn in this problem with HW5: it is due on Friday, Oct 16**) (20 points)

Exercise 9 in Chapter 3.

(*Hint:* It *might* be helpful to start thinking about an algorithm to solve the problem in the first place.)