CSCI 48400
Assignment 5-6

I. Pencil and paper work from the textbook <mark>(for Instructor)</mark>

Section 5.1 #9c - prove that this language is not regular [Hint : the Pumping Lemma is not always the best approach]

I. Pencil and paper work from the textbook <mark>(for TA)</mark>

Section 5.1 #9e - prove that this language is not regular [Hint : the Pumping Lemma is not always the best approach]
Section 5.2 #15 (don't just say "yes" or "no", justify your answer)

Section 6.1 #7, 22 [explain the steps used]

Section 6.2 #12 [recall there's no formal algorithm given for this process]

II. Use JFLAP to help solve these problems from the textbook and turn in the JFLAP grammar files (clearly named). As before, submit a Word doc with snapshots from JFLAP for Part II and Part III problems.

There's no algorithm for the first set of problems below, so JFLAP can't solve them for you, but you can use JFLAP to thoroughly test your solutions.

Section 5.1: #9c, 9e (From the problems above, you know that your grammar can't be too simple, that is, it can't be regular.)
Section 5.1: #12e, 28
Section 5.2 #6

For the following problems, while it is easy to press the "Do All" button in JFLAP, try to use this as a tool to step through and understand the algorithms as you will have to do them by hand on the test.

Section 6.1 #9
Section 6.2: #4

III. Problems from JFLAP Activities.pdf file, Section 2.5

2.5 #8 Submit the JFLAP grammar that is the result of each step, i.e., 4 files altogether. Try to anticipate what the JFLAP results will be for each step.