

Homework Assignment 7 - Optional

(due at the end of the sections on Wednesday, June 4 and Thursday, June 5, 2003)

- Consider the two grammars in Exercise 7.24 in the book. For each of them, construct a PDA that accepts the same language as the one generated by the grammar. You may use either the construction in the book (and design a PDA that accepts by final state) or the construction presented in class (and design a PDA that accepts by empty stack).
- Exercises 7.13 part (d) only (read Section 7.3 first), 8.1 parts (a), (c) and (e) only, 8.5 parts (a), (b), (c), (d) only, 8.8 parts (a) and (b) only, 8.10, 9.2 parts (a) and (b) only, 9.6 parts (a) and (b) only.

Homework Policies: You are encouraged to study together in small groups and discuss ideas about the homework problems before composing the solutions. You are expected, however, to write the solutions yourselves and not copy them from other students or share your solutions with other students. If you have worked closely with other students on particular problems, then you must mention the names of the people you have worked with and also the problems on which you worked together.

Review Session: There will be a review session on Friday, June 6 from 2:00 p.m. to 3:30 p.m. in BE 152. In addition to presenting an overview of what we covered in this course, I will also try to go over the problems that appear in the CS 130 part of the CS Comprehensive Examination List (see www.cse.ucsc.edu/classes/cscomp/EquWeb/03eql.pdf)