

Computer Science 81, Fall 2006
Assignment 5
Due Thur. Oct. 5
Context-Free Languages and Pushdown Automata

In the Kozen book, please read lectures 23-25 (pages 148-163, 172-176).

1. Page 306, exercise 2.
2. Flesh out the proof of Example 23.2 (page 162), by giving the transition rules for the PDA. Show a non-trivial example of acceptance and one of non-acceptance.
3. Determine whether or not the grammar in problem 77, page 335, is ambiguous, and explain why or why not.
4. Page 335, problem 82.
5. Page 336, problem 85, parts (a), (b), (l), (m).