

University of Puerto Rico
Department of Electrical and Computer Engineering
ICOM 4036: Programming Languages
Fall 2006

Problem Set #1 (DUE Sept 28 In class)

1. Provide the state diagram for a Turing Machine recognizing the set of strings of balanced nested parenthesis such as “((()()))”
2. PLP 2.1. Instead of a regular expression, write a finite state machine
3. PLP 2.18
4. Write an unambiguous context free grammar for the EBNF metalanguage. Determine which LR and LL classes the grammar belongs to.

PLEASE WORK INDIVIDUALLY ON THIS PROBLEM SET