University of Puerto Rico
Department of Electrical and Computer Engineering

ICOM 4036: Programming Languages
Fall 2006

Problem Set #2 (DUE October 19 In Class)

1. In class we discussed the implementation of the Easy I instruction set assuming that all instructions used the immediate addressing mode (I=0). Provide the flowchart for the BRANCH, LOAD and STORE instructions when the indirect bit is set (I=1).

2. Complete the specification of the state transition table for the states corresponding to the flow charts developed in exercise 1.

3. Write an Easy I assembly language program to add two 32 bit integers

4. PLP 2nd Edition Exercise 5.7

5. PLP 2nd Edition Exercise 5.14

YOU MAY WORK IN TEAMS OF TWO STUDENTS
IF YOU DO SO, TURN IN ONLY ONE SOLUTION FOR GRADING