CSE 378 Winter 1998

Machine Organization and Assembly Language Programming

Problem Set #2

Due: Wednesday, January 21

1. By the end of the second week, you should have read Chapter 1, Chapter 3, Chapter 4 (Sections 4.1 to 4.4) and Appendix A Sections A1, A2, A6, A9, A10 (not every line of the latter!)

2. Do but do not turn in the *Getting Started* exercise given to you in Sections. The use of *xspim* could be very valuable to check or even give you answers to some of the following exercises.

3. In Chapter 3 do the following exercises (recall that $zero stands for register 0 and $at for register 1).

   - Ex. 3.1 (Give the answer as a function of n); 3.5 ; 3.6; 3.10 (Note that for me one of the pseudoinstructions generated an error in SPIM. Did that happen to you and, if so,for which one?); 3.11
   - Ex. 3.19. Do it only for the load-store and stack architectures. One of our future programming assignments will be based on the stack architecture concept, so this exercise is important.

4. In Chapter 4 do exercises 4.14 (not part (c)) and 4.19