

CSE 378: Machine Organization and Assembly Language

Assignment #1

(Assigned September 29, 2000, Due October 6, 2000 in class)

1 Problems From The Book

Your first real programming assignment will be given out next week. To prepare you for that, here are some simple pencil and paper problems dealing with MIPS assembly. You should attempt to do these without using SPIM to check answers. You should do the following problems:

- a) 3.1, 3.2
- b) 3.4, 3.5 (hint: you can't just use an immediate addition instruction with 4,000,000)
- c) 3.9 (bonus question, extra credit for correct answers)

2 SPIM Practice

You will be using SPIM for almost all of your assignments this quarter, so it is important that you begin using it soon. You should read and understand the "Getting Started" handout. This includes typing in the sample program on page five and running it with SPIM. If you are so inclined you can use the sample main program in figure 2.1 of the handout to experiment with MIPS assembly. Check the appendix of your text for information on how to print information to the console. *Nothing needs to be turned in for this part of the assignment.*