Due at the start of class Wednesday, October 15, 2003.

Problem 1. Do Exercise 3.10 on page 199 of PH.

Problem 2. Do Exercise 4.14 on page 324 of PH.

Problem 3.

Translate the following MIPS assembly language instructions into MIPS machine language instructions:

- State the instruction type (R,I,J).
- Label each field (by name), and show the value of each field in binary.

(See page 140 for correspondence between register names and numbers.)

(a) nor $3, $26, $21

(b) subu $s3, $zero, $t3

(c) sw $s4, 110($t7)

(d) slti $12, $10, 4100

(e) bne $s2, $t9, OFFSET (Assume OFFSET is -50.)

(f) sltu $12, $10, $25

(g) j TARGET (Assume TARGET is 16400.)

(h) jr $ra