Homework 5 (Spring 2001)

Homework 5 covers materials in chapter 5, and sections 6.1-6.4 of the textbook. You need NOT turn in the homework. However, you are strongly advised to do it. Short solutions will be posted on the course website shortly. We encourage you to work collaboratively with your classmates to the degree that it facilitates your learning. The material covered by this homework applies to Quiz #4 on April 26.

Problems with a * have a solution available at the Prentice Hall Companion Website (http://www.prenhall.com/mano).

1. *(Registers) Problem 5.3 in text.
2. *(Register transfer) Problem 5.6 in text.
3. (Serial subtractor) Problem 5.7 in text.
4. *(Registers) Problem 5.8 in text.
5. *(Ring counter) Problem 5.10 in text.
6. (Counter) Problem 5.13 in text.
7. (Counter) Problem 5.14 in text.
8. (Counter) Problem 5.19 in text.
9. *(Counter) Problem 5.21 in text.
10. (Counter) Problem 5.22 in text.
11. (BCD Counter) Problem 5.25 in text.
12. *(Memory) Problem 6.1 in text.
13. (Memory) Problem 6.2 in text.
14. *(Memory) Problem 6.3 in text.
15. (Memory) Problem 6.4 in text.
16. (Memory) Problem 6-7 in text.
17. *(Memory) Problem 6-9 in text.
18. (Memory) Problem 6-10 in text.