National Chiao Tung University
Dept. of Computer & Information Science
Intro. to Digital Systems, Spring 1998

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Handout #14
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Homework #4 (due June 3rd in-class)

Problems 1–14 are adopted from M. M. Mano and C. R. Kime, *Logic and Computer Design Fundamentals*, Prentice-Hall, Inc., 1997.

1. Problem 4–4 (page 215).
2. Problem 4–5 (page 215).
3. Problem 4–7 (page 215).
4. Problem 4–8 (page 215).
5. Problem 4–12 (page 216).
6. Problem 4–14 (page 216).
7. Problem 4–18 (page 217).
8. Problem 4–19 (page 217).
9. Problem 4–21 (pages 217–218).
10. Problem 4–24 (page 218).
11. Problem 4–25 (page 218).
12. Problem 4–27 (page 218).
13. Problem 4–28 (page 218).
14. Problem 4–33 (page 219).
15. (DIY Problem) For this problem, you are asked to design a problem set related to Sections 3.10–4.8 of the text and give a sample solution to your problem set. Grading on this problem will be based upon the *quality* of the designed problem as well as the *correctness* of your sample solution.