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ENEE 244 Problem Set 1
(Due: Class 3, Wed., Sep. 10, 2014)

- A. Read carefully the course syllabus.
- B. Read Chapter 2, Sections 2.1–2.6 of Givone, Digital Principles and Design, and work the following problems:
1. Prob. 2.1.
 2. Prob. 2.3., a. & d.
 3. Prob. 2.4., a. & e.
 4. Prob. 2.5., a. & c.
 5. Prob. 2.8.
 6. Prob. 2.9., c. & e.
 7. Prob. 2.10., b., f., & h.
 8. Prob. 2.13.
 9. Prob. 2.14.
 10. Prob. 2.16., a. However, instead of applying the iterative method directly, first convert it to decimal (polynomial method) and then convert that result from decimal to binary using the iterative method. That way you can do decimal arithmetic for both conversions. In going to decimal keep the fraction as a rational fraction to retain precision in the decimal representation.
 11. Prob. 2.17., b.