

University of Illinois at Urbana-Champaign  
Department of Electrical and Computer Engineering

ECE 362/CS 362/MATH 391 : LOGIC DESIGN

Spring 2002

**Problem Set 1**

**Switching Algebra, Combinational Network Analysis**

**Issued:** Thursday, January 17th.      **Due:** Beginning of lecture on Thursday, January 24th.

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**Reading from McCluskey:** Chapter 2, Sections 2.1–2.8, and Chapter 3, Sections 3.1–3.5.

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**Problem 1.1**

Problems 2.1 and 2.2 from McCluskey.

**Problem 1.2**

Problems 2.3 and 2.4 from McCluskey.

**Problem 1.3**

Problems 2.6 and 2.7 from McCluskey.

**Problem 1.4**

Problems 2.9 and 2.11 from McCluskey.

**Problem 1.5**

Problems 3.1 and 3.2 from McCluskey.

**Problem 1.6**

Problems 3.5 and 3.7 from McCluskey.