

# ECE 204L - BINARY NUMBERS AND CODES - LAB 8

## INTRODUCTION TO BINARY NUMBERS

WINTER 2004

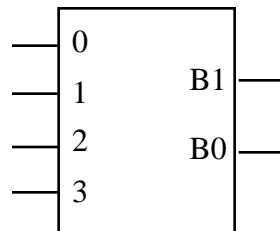
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### OBJECTIVE

The objective of this lab is to design and build a logic circuit that will convert decimal numbers to binary numbers.

### LAB

1. **Prelab** - How do we test the design of a logic circuit
2. The objective of this problem is to design and test a logic circuit that will convert the decimal numbers 0, 1, 2 and 3 to binary numbers  $B_1B_0$ .



- a. **Prelab** - Design and draw the logic diagram with pin numbers. Assume that only one input is High at any given time
- b. Build and test your logic circuit