Jesse Belanger and Dimitrios Tsitsirigkos

EC 450

Homework 2

2/12/15

To do the circuit tests, we created the circuits shown on the assignment page using our MSP430 and a breadboard. For the Active High circuit, we connected P1.0 to one end of a resistor and the GND pin to the other, with a voltmeter in parallel with the resistor. For the Active Low circuit, we moved the wire from P1.0 to the VCC pin, and GND to P1.0, but kept everything else the same. To get the data points for our curves, we tested as many resistance values as we could find resistors for: 100, 1000, 2000, 100K, and 1M Ohms. For each resistor, we read a voltage value from the voltmeter, and then solved for current using Ohm’s Law.