Computer Assignment #0
Due Su. 9/25

Quartus II Software Setup

Total Points: 10

1   Introduction

This week's hands-on exercise will help you get ready to use the Quartus II Web Edition software, a powerful commercial suite that will enable you to design, simulate, and test digital circuits. To use this software, you can either:

1. Install the software on your own laptop or computer, and/or

2. [**Preferred**] Use the software located on the PCs located in the Electrical and Computer Engineering Laboratories, located in TBE A-311 or TBE B-350.

You will be using the Quartus II software in this and future hands-on exercises. The preferred method is to use software in the EE labs to avoid the large file download (v13.1 or v14.1 [2+GB]). **Unless you are confident in installing software and drivers on your own, it is highly recommended that you use the software in the ECE labs**. If you are using the ECE lab computers, you will need an ACE account (see: `https://ace.unlv.edu/`).

2   Lab Usage

Verify you can log into a ECE lab computer using your ACE account. Find Quartus II (use Windows key search) and ModelSim are both available. Ensure you are able to open both Quartus II and ModelSim.

3   (Optional) Quartus II Software Installation

If you would like to install the Quartus II software on your own laptop or computer, follow these instructions. Note that a newer versions of the software exists, however, these direction will have you install version 14.1 to be consistent with the version in the ECE labs.
Download the software files from the CPE100 lab page. Be aware that the full downloads are quite large (over 4 GB for all the files). Be sure to read the licensing information first to setup your Intel account before downloading. Note: licensing will take at least 24 hours so you should start this early. You need to download i) Quartus II, ii) ModelSim, and iii) the Cyclone V device file.

4   Hands-On

Either install the Quartus II software (optional) and/or make sure you have an ACE account and confirm that you can log into the computers in TBE A-311 or TBE B-350. **Use of lab computers is highly recommended**. Open both Quartus II and ModelSim and be sure to note the version of Quartus II you are using.

5   What to Turn In

1. (10 points) Quartus II Software Setup

   After you have completed this hands-on portion, **write a single statement at the bottom of your homework** that says one of the following (replace XX.X with your appropriate version):

   1. I successfully installed Quartus II vXX.X on my own computer. (Fill in your version)
   2. I successfully logged into a computer in one of the ECE labs using my ACE account and opened Quartus II vXX.X.
   3. I both installed Quartus II vXX.X on my own computer and logged into a computer in one of the ECE labs using my ACE account.