CS/EE 120A Lab Report

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Section:026

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Lab number and title: lab2 Decoders and Muxes

Note: every individual must submit a unique lab report form.

Summarize (in your own words) the subject of this lab:

The point of this lab is to understand how a decoder and a multiplexer work. The decoder was designed like a sprinkler system to show how you can have multiple inputs with multiple output

Describe the new concepts covered in this lab:

Decoder are used to determine which output line is going to turn into a one where a multiplexer is just a component that sends a one if certain conditions are met mostly OR Gates.

Describe how this lab built upon previous ones:

We had to do basic operations with the veralog programming language

Describe the most difficult part of this lab for you:

The most difficult part was getting the drawing from the PDF in the editor since the UI was not the best.

Describe problems you faced and how you solved them:

We had one person open the lab manual on one computer and the other drawing the thing in the IDE

Do you verify that the code included with this report is your's and your partner's original work (yes/no)?

Yes

Submit your source code, testbench, and simulation output.