

Lab 0: (Insert Title Here)

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ECEN 248-510
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Objectives

Provide three or four major points you feel the lab is attempting to teach you. Do NOT simply repeat the wording in the lab manual. Remember, you should write about what you will learn, not what you will do. Keep in mind these are not necessarily the same.

Design

This section contains the steps required to successfully complete the lab along with all necessary diagrams, schematics, tables, equations, K-maps, source code (for later labs) etc. Each of the aforementioned items in the design section should include a written description contained within the body of the text and should be labeled properly. Simply including a circuit schematic is not sufficient! Note: As part of the design process for the first four labs, you will create gate level schematics for each design. The schematics must be complete such that the design can be correctly implemented by referencing only the schematic. For the pre-lab, schematics may be hand drawn. However, for the post-lab, schematics must be drawn on the computer using your choice of drawing program. Your TA can recommend freely available software packages if you do not have access to a drawing program

Results

Use this section to discuss the observations you made during the lab. Include a comparison of what you expected to what you actually observed and provide an in-depth discussion of why you feel the circuit you built behaved the way it did. Like the design section, include diagrams and tables where appropriate. Be sure to label them properly and provide an adequate description in the body of the text.

Conclusions

This section should briefly summarize what it was that you did in lab and provide some insight into what you learned. Additionally, you should mention skills you acquired during the execution of the lab assignment and discuss how you might use these skills in future labs. This portion of lab should tie into the objectives you talked about at the beginning of lab.

Questions

Finally, you must thoroughly answer the questions provided in each lab. These questions are presented to you in order to test your understanding of the topics in the lab. Brief, one-line answers are NOT acceptable!

1. Question 1

Answer 1

2. Question 2

Answer 2