SOFTWARE 0:
INTRODUCTION TO LOGICWORKS

DEMO and REPORT RUBRIC

DEMO RUBRIC

Generally speaking, this class does not have partial credit for demos. Either your circuit works or it doesn't. Since this is a particularly rudimentary lab, there is no reason that students should not be able to complete it on time, and likely within the initial lab period. Give a **seven** for a complete demo and a **zero** otherwise.

Completion Requirements:

- ✓ In exercise 1, each binary probe matches a switch.
- ✓ Probes are ordered from MSB to LSB (left to right).
- ✓ The four LSBs are connected to a hex display such that inputting 00001100 would produce an output of C.
- ✓ The ASCII display is connected correctly.
- ✓ In exercise 2, the conversion to POSTNET (7421) is correct. TAs should test students with 4 random DCBA sequences.
- ✓ Wire organization in both exercises is at least "reasonable".

REPORT RUBRIC

The report for this lab is informal, and should be completed quite easily. Critically, make sure that the table is present. Errors should not appear if the student was demoed properly. Give students some leniency on their response to "why should we not use ABCD"? While reports should always be submitted as PDFs, do not take off points for other formats, but remind them that uploads should always be in PDF form. Some students may simply submit plaintext. This is also fine.

Scoring (out of 3 points):

- ✓ **[2 points]** The table is present. Do not give deductions for errors. A TA should have ensured during the demo that the student's circuit was correct.
- ✓ **[0.5 points]** The first question has been answered. Do not give deductions for incorrect answers for the same reason as above.
- ✓ **[0.5 points]** The second question has been answered, and roughly indicates an understanding of MSBs.