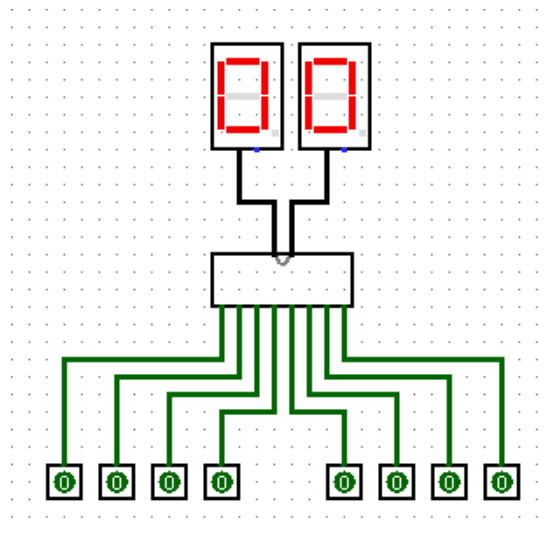## SER 232 Project 1: Intro to Logisim

Learning Objectives:

- Become familiar with using basic circuit schematic elements

The Task:

This project is intended as more of a tutorial than an actual project. Start by watching *Lecture 2 – Logisim Introduction*, which covers how to build a simple subcircuit that controls a single hex digit display. I recommend following along with me as I build the circuit in the video. For this project, your job is to modify the circuit and subcircuit so that the main circuit controls two hex digit displays using a single subcircuit with 8 inputs and two 4-bit outputs (one output for each hex digit display). The resulting main circuit should look like this:

Deliverables:

1. Take the *Project 1 Pre Quiz* (2 points)
2. Submit your project file on Blackboard with the format: ***lastname_project1.circ*** (6 points)

Note: Please do not zip the project file or include any additional files in your submission