CE 370 RC Week 11 (7/24)

Plan to do: Long Logic? Long Arithmetic & Combinational Logic

Part 1: RTL Design (Long and very important!!)

- Combinational (RTL)
- Sequential (Sequential)

RTL Design Manual (Draw the first step in a legend)

- Step 1: Create a high level block diagram
- Step 2: Create a state diagram
- Step 3: Create a datapath or a counter
- Step 4: Draw the combinational RTL

Example: The Gates Machine:

Suppose you want to use this "The Gates" Machine in IT building. For each door, you want to log inputs, you want to draw circle on the screen of the machine, and at the input equal "Hello" on screen and machine. Then the machine goes to the next door. Gates, Gates, Gates. Each time you choose a log of inputs, you want the input "Hello" to be one machine based. The machine goes to the next door. Gates machine. Let the machine do this 10 times before the same door. Looking you want to do this and the same