

HW #4

Problem 3.9.4 - Testing switches and LEDs.

- 1) This is called a priority circuit.
- 3) Using behavioral Verilog, 8 LUTs are required. However, it uses LUT5 and LUT6, so it has an advantage, due to not being constrained to LUT4.
- 4) Using structural Verilog, 9 LUT4's are required. It's hard to compare directly, but this is at least as good as the behavioral Verilog result and the tool-generated circuit.