**ECE 3300L**

**California State Polytechnic University, Pomona**

**Group G**

**Nathaniel Garcia and Mikael Parsmyan**

**Lab Report #3**

**07/2/2025**

**Mux2x1:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**Mux16x1:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**Toggle\_switch:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**Debounce:**

**A screenshot of a computer code

AI-generated content may be incorrect.**

**Top\_mux\_lab3:**

**A screenshot of a computer code

AI-generated content may be incorrect.**

**Tb\_top\_mux\_lab3:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**A screenshot of a computer code

AI-generated content may be incorrect.**

**Simulation Waveform:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Vivado Utilizations:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Contributions:**

Source files were given and both contributed to the lab report

Nathaniel: testbench code and demo

Mikael: xdc file and simulation