Lab 7: Memory and Video

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1 Part I

1. Export the subcircuit schematic as an image and include it in your report.

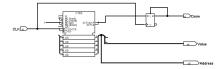


Figure 1: A schematic of MemoryWriter.

2. Export the timing diagram as an image and include it in your report.



Figure 2: A timing simulation of the MemoryWriter.

2 Part II

1. Export the subcircuit schematic as an image and include it in your report.

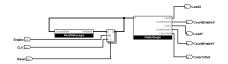


Figure 3: A schematic of ContrlUnit.

2. Export the subcircuit schematic as an image and include it in your report.

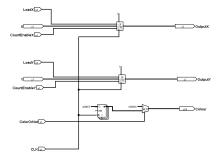


Figure 4: A schematic of DataPath.

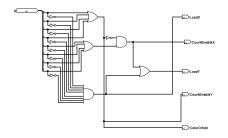


Figure 5: A schematic of OutputLogic.

- 3. Export the subcircuit schematic as an image and include it in your report.
- 4. Export the timing simulations as an image and include it in your report.

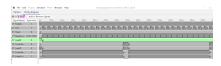


Figure 6: A schematic of $timing_simulations_ContrlUnit$.



Figure 7: A schematic of timing $simulations_M ain$.

5. Export the Test vectors as an image and include it in your report.

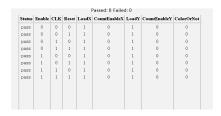


Figure 8: A schematic of $\operatorname{Test}_V ectors of Control Unit$.