Christopher Lall

Lab Experiment 4a, 4b, SRAM

CSc 342/343

Professor Gertner

Due 3/14/22

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# 4A Part 1

Graphical user interface

Description automatically generated

Figure . D on and off, Q redline.

Graphical user interface

Description automatically generated

Figure . E forced to 1. Q follows D

Graphical user interface

Description automatically generated

Figure . Q mirrors D

Graphical user interface

Description automatically generated

Figure . CLRN 0 to 1

# 4A Part 2

Graphical user interface

Description automatically generated

Figure . Master slave works exactly like d flip flop

# 4A Part 3

Graphical user interface

Description automatically generated

Figure . Edge twice the speed of D

# 4B

Graphical user interface

Description automatically generated with medium confidence

Figure . Storage and output display, chip enabling moves from 1 to 0 which changed output to undefined.

Graphical user interface

Description automatically generated

Figure . Same idea as example above, however, just my example of changing the hex value.

# SRAM

Graphical user interface

Description automatically generated

Figure . Sram waves