ELC 2137 Lab 9: ALU

Jake Simmons

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Summary

Type the summary of your experiment and results here.

Q&A

Answer questions posed in the lab assignment here.

Results

Time (ns):	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55
D (hex)	0	0	A	A	3	3	0	0	0→6	6	6
clk	0	1	0	1	0	1	0	1	0	1	0
en	0	0	1	1	1→0	0→1	1→0	0	0→1	1	1
rst	0	0→1	0	0	0	0	0	0	0	0	0
Q (hex)	X	X→0	0	A	A	A	A	A	A	6	6
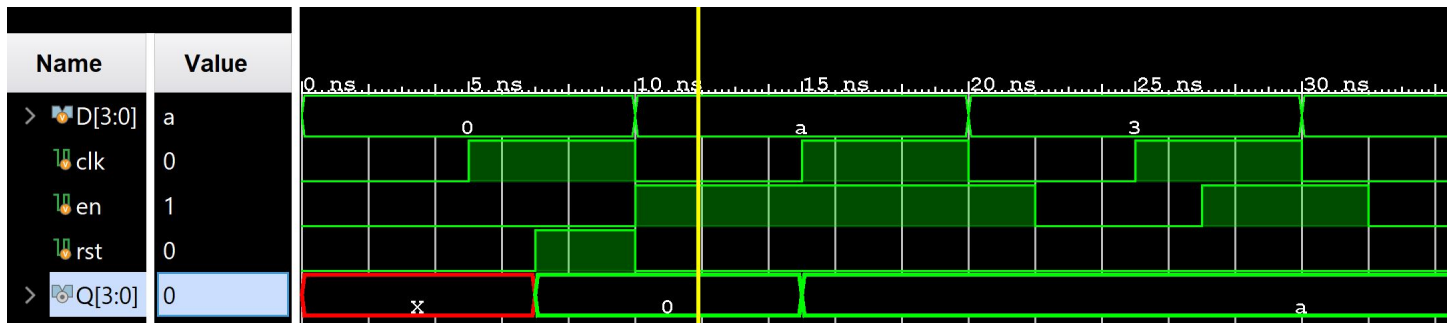
Figure 1: ERT and Simultion Waveforms of Register

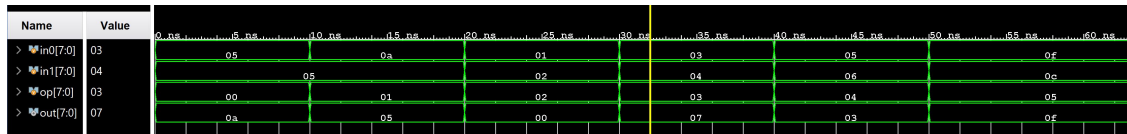| Time (ns):	0-10	10-20	20-30	30-40	40-50	50-60
in0 (dec)	5	A	1	3	5	F
in1 (dec)	5	5	2	4	6	C
op (dec)	0	1	2	3	4	5
out (dec)	A	5	0	7	3	F

Figure 2: ERT and Simulation Waveforms of ALU

Code

Include all of the code you wrote or modified here.