

ELC 2137 Lab 09: ALU with Input Register

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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

Expected results tables

Table 1: *register* expected results table

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	?	...							

Table 2: *alu* expected results table skeleton

Time (ns):	0-10	10-20	20-30	30-40	40-50	50-60
in0	0110	0110	0110	0110	0110	0110
in1	0010	0010	0010	0010	0010	0010
op	0000	0001	0010	0011	0100	0101
out	1000	0100	0010	0110	0100	0110

Figure 1: Simulation Waveform for Register

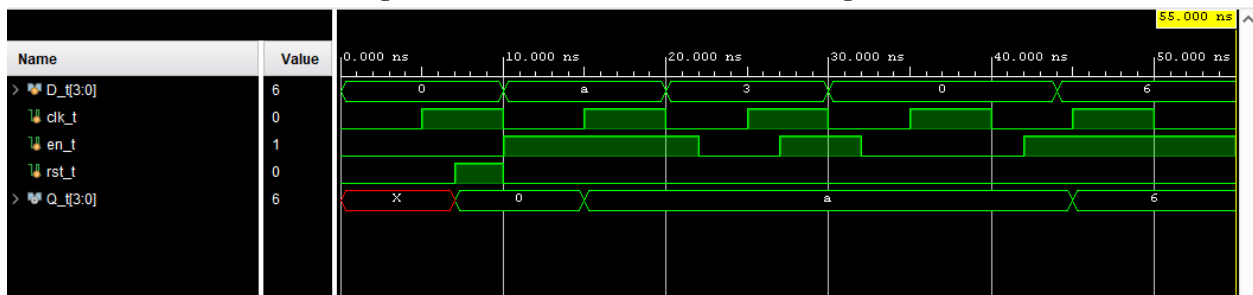
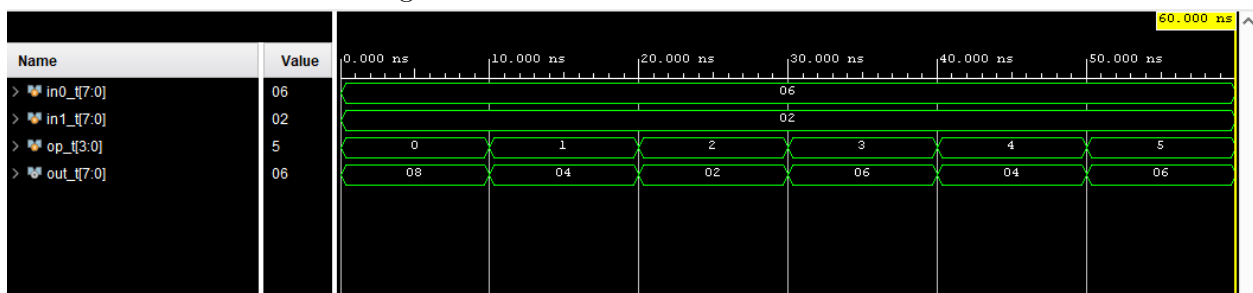


Figure 2: Simulation Waveform for ALU



Code

Include all of the code you wrote or modified here.