## ELC 2137 Lab 9: ALU

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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				3		0	$0\rightarrow 6$	6	6
$\operatorname{clk}$	0	1	0	1	0	1	0	1	0	1	0
en	0	0	1	1	$1\rightarrow0$	$0\rightarrow 1$	$1\rightarrow0$	0	$0 \rightarrow 1$	1	1
rst	0	$0\rightarrow 1$	0	0	0	0	0	0	0	0	0
Q (hex)	X	$X\rightarrow 0$	0	A	A	A	A	A	A	6	6

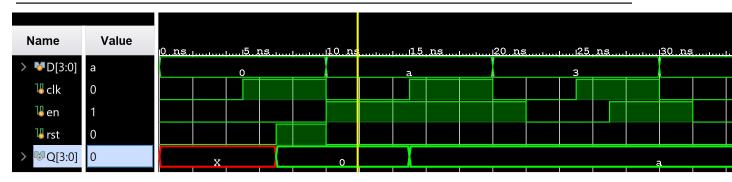


Figure 1: ERT and Simultion Waveforms of Register

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	$\mathbf{C}$
op $(dec)$	0	1	2	3	4	5
out (dec)	A	5	0	7	3	F

Name	Value	0 ns	40 ns	20 ns 25 ns	30. ns	35 ns	40 ns	50 ns55 ns60 ns
> Win0[7:0]	03	05	0a	01		03	05	Of
> Win1[7:0]	04		02		04	06	0e	
> <b>V</b> op[7:0]	03	00	01	02		03	04	05
> <b>V</b> out[7:0]	07	0a	05	00		07	03	0£

Figure 2: ERT and Simulation Waveforms of ALU

# $\mathbf{Code}$

Include all of the code you wrote or modified here.