

ELC 2137 Lab 10: 7-segment Display with Time-Division Multiplexing

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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	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320
clk	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
en	0	1	1	1	0	0	1	0	1	0	1	1	0	1	1	1	1
rst	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W1	X	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f	0
W2	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

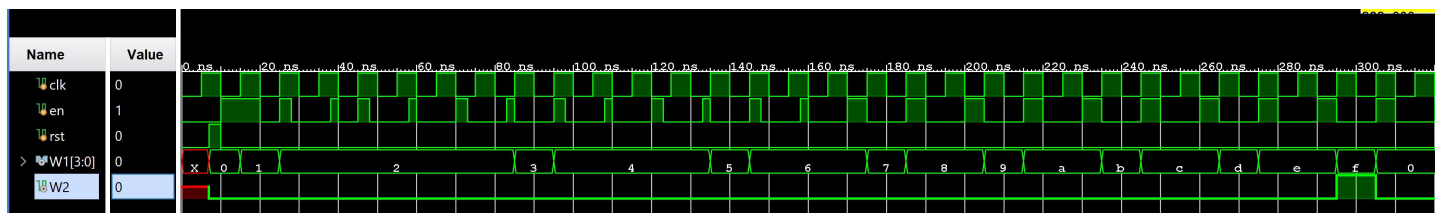


Figure 1: Counter simulation waveform and ERT

Code

Include all of the code you wrote or modified here.

Time (ms):	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
clk	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
rst	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
data	0	1	1	2	3	4	4	5	6	7	8	8	9	a	b	c	c	d	e	e	f
hexdec	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
seg	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
dp	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
an	e	e	e	e	e	d	d	d	7	7	7	e	e	e	d	d	d	b	b	b	7

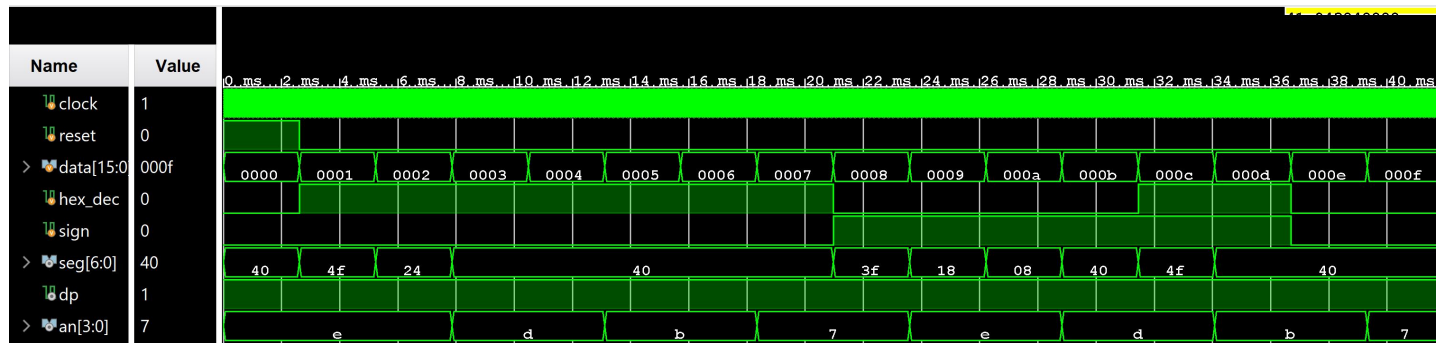


Figure 2: sseg4TDM simulation waveform and ERT