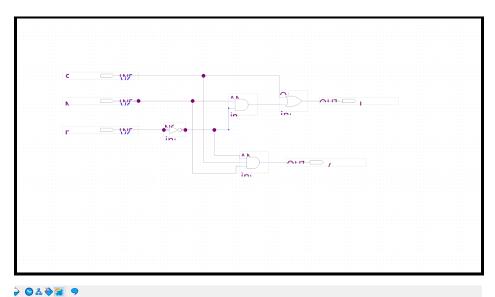
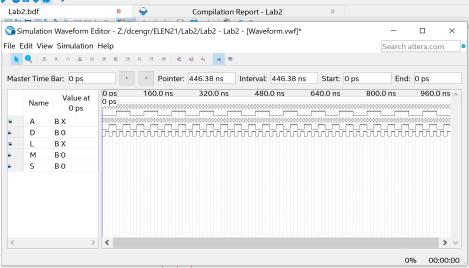
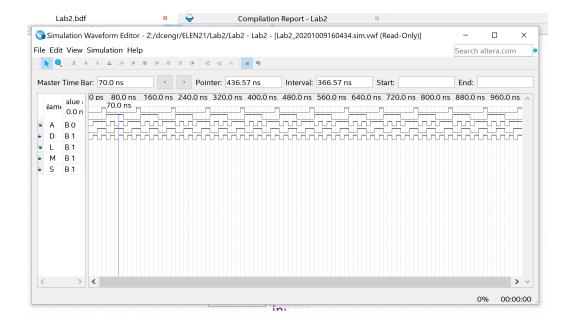
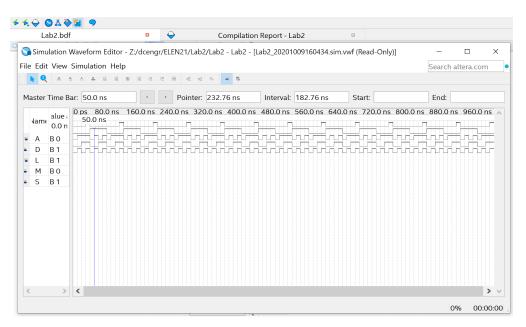
## **COEN 21 - Lab 2**

For the project, we designed a circuit in Quartus. To design this, we had to learn the ins and outs of Quartus and use logic gates to express our circuit design. The schematic is included in the screenshot. The questions that the TA asked was simply if the circuit worked and why. He also asked us about the wavelength and how it affected the alarm every 8 cycles in the waveform









output: light alarm input: Switch (M-)
motion
disable (i) A ( ¿í) M1 S 00000 001 0000 5 MS (iii) MD

									repeat
Λ	0	$\emptyset$	1	O	0	0	0	0	0
7	0	0	0	1	1	1	(	0	0
	1	ı	١	0	1	0	1	0	1
14	0 0 1		1	0	0	I	t	0	6
<i>F</i> \		(		h	1	0	1	0	\ 1
5	1	O	)	O	·				1
$\circ$									

report

For this project we designed a circult in quartus. To design this we had to tearn the ins and outs of quarters and use logic gates to express our circuit. Schematic is included in a screenshot, The questions that the TA asked bastrally was just it it worked and why, also he asked us about the varetorms and

Results in Prelab

(top of page 3 hourt was shown)

	٨٨		1 L	A
S	101	0	0	0
0	0	1	10	0
Ö	١	0	0	0
0	١	0	\ \	0
1	0	ı	\ 1	0
1	١	0	/ /	1
Ì	١	١	1 /	O

	V C	0 1		
5	M	D	AL	A
1010101	0	0 0 6	0 0 0 0	00 0 0 0 0 0 0
C	) 0		,	

mixed up inputs but same (expected) output values