

BBM233: Logic Design Lab

2021 Fall

Lab Experiment #1 Report

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1 – Truth Table

N	S	M	ALARM
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

2 – The Boolean Function

$$F(N,S,M) = NSM + N'SM + N'SM'$$

3 – Circuit Implementation

Man

Full Screen
Time 00:00
Clock

$$F(N,S,M) = NSM + N'SM + N'SM'$$

