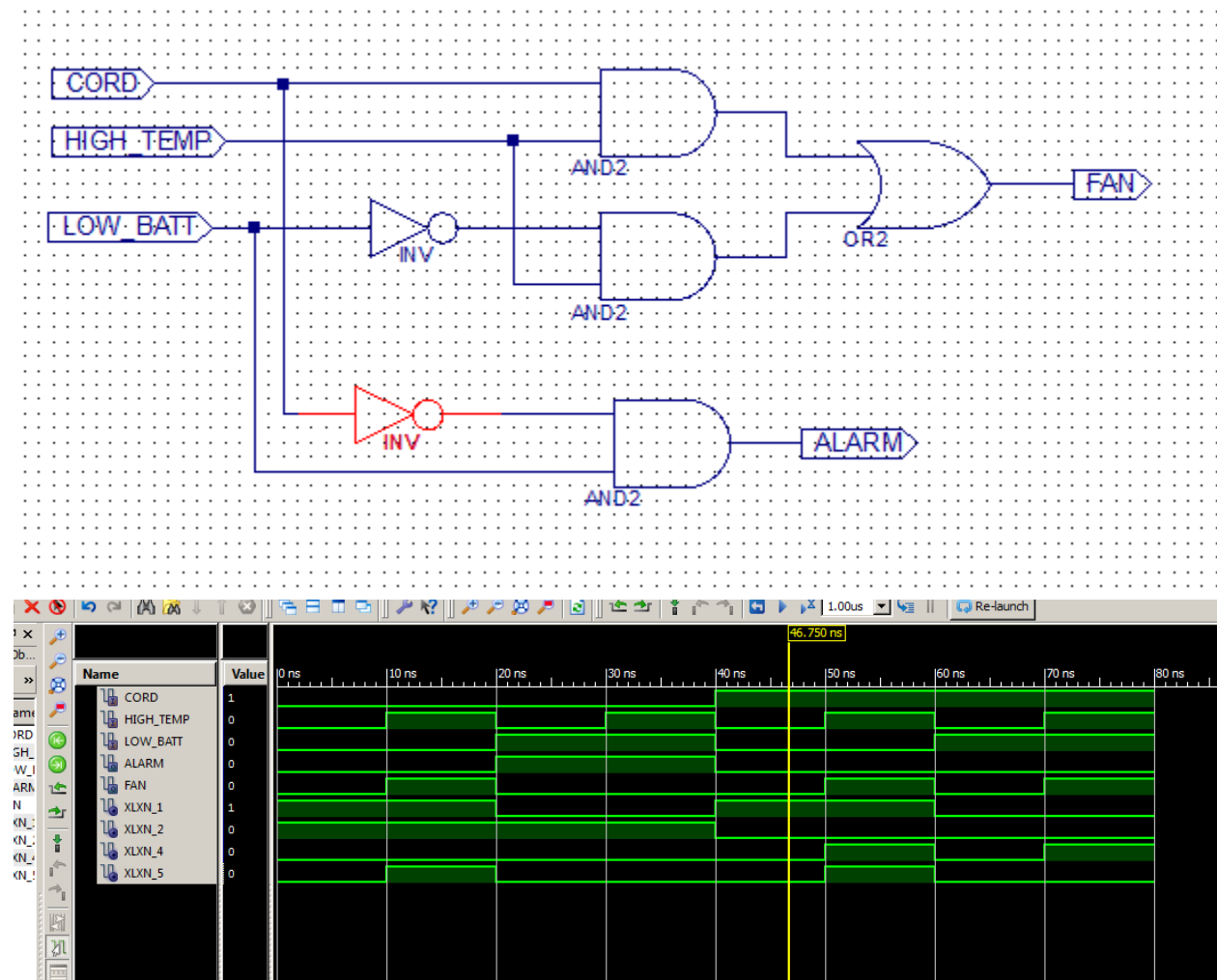
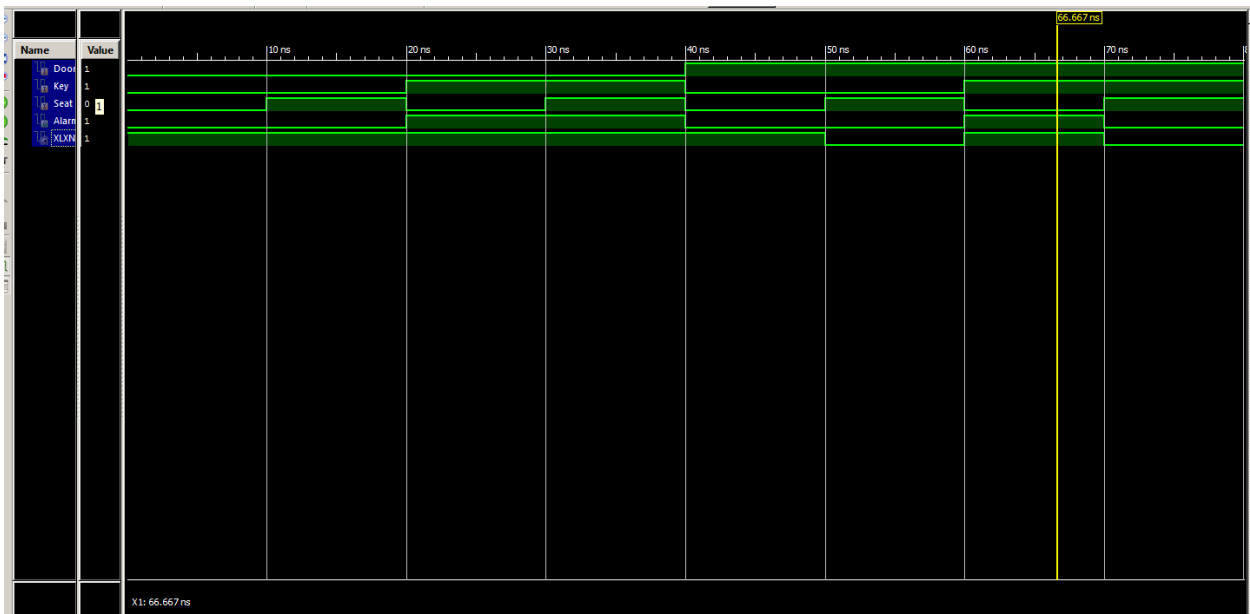
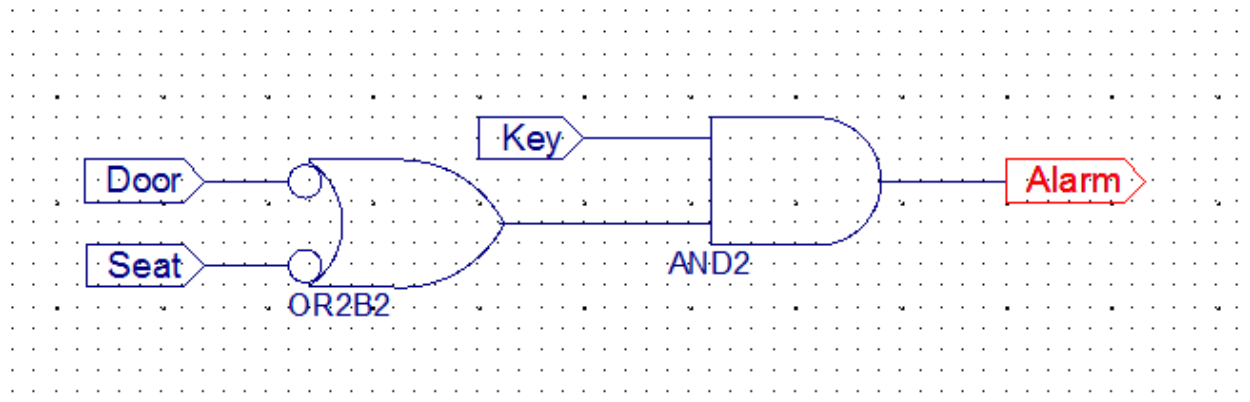
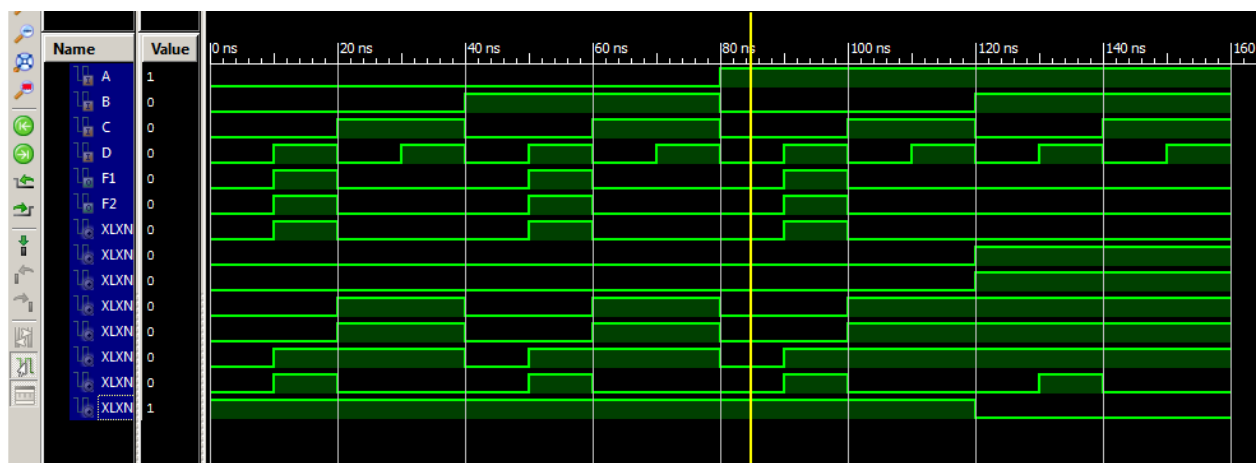


Alarm/Fan

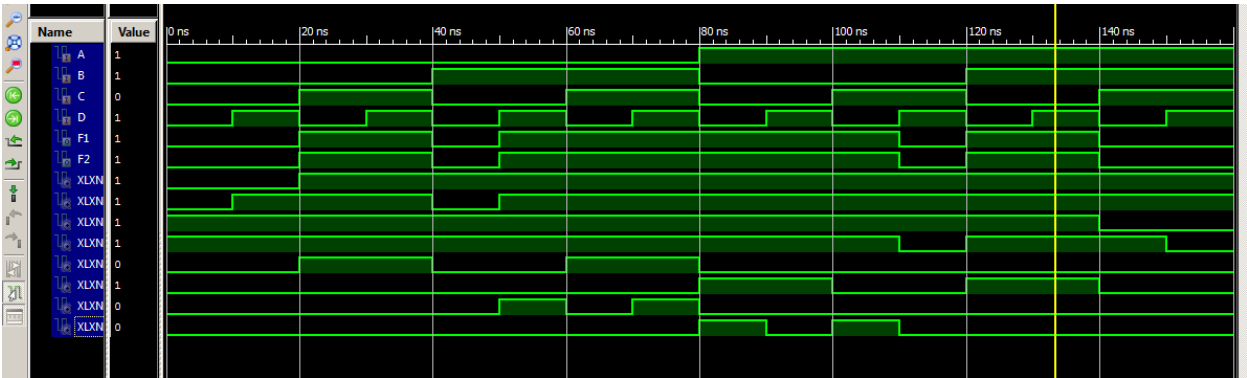
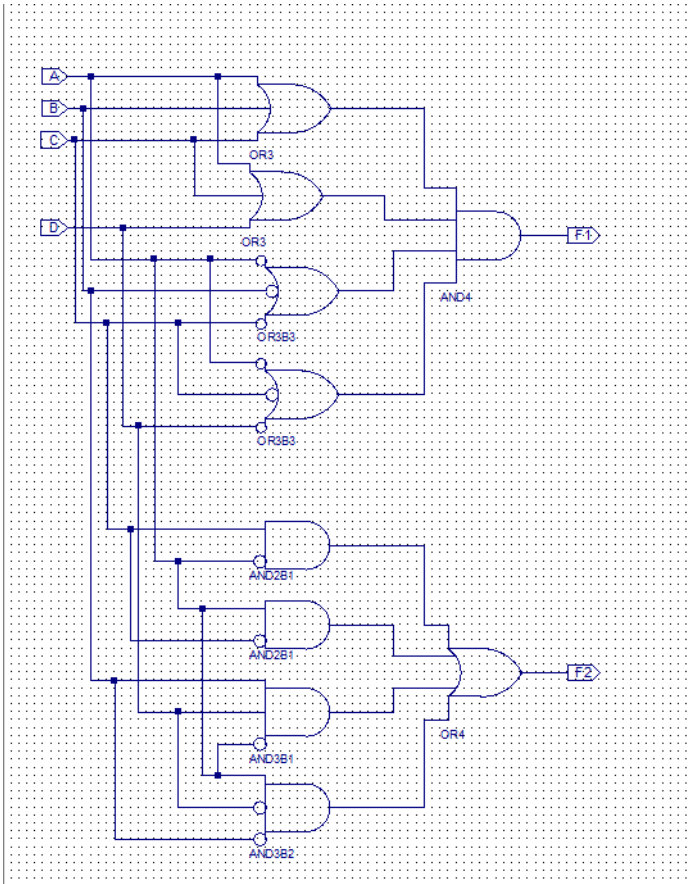


Car Alarm



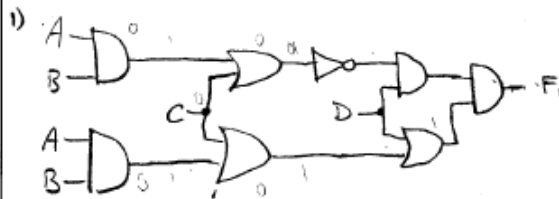
[illegible]

Problem 2.2



LAB#2 CAD

Ty Madsen
ECEN 220
Sept 20, 2013

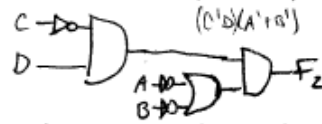


$$(AB + C)'D + (AB + C) + D$$

$$A'C'D + AB'C'D = (C'D)(A' + B')$$

$$C'D(A' + AB') \quad C'D(A' + A)(B' + B)$$

$$(C'D)(A' + B')$$



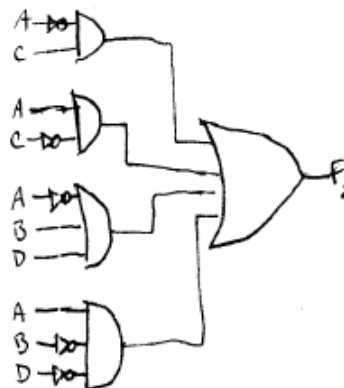
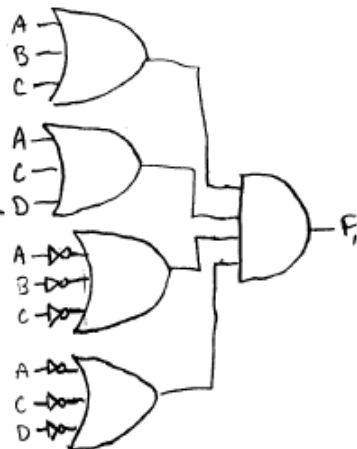
AB	00	01	11	10
CD	0	0	0	0
00	0	0	0	0
01	1	1	0	1
11	0	0	0	0
10	0	0	0	0

A	B	C	D	F1	F2
0	0	0	0	0	0
0	0	0	1	1	1
0	0	1	0	0	0
0	0	1	1	0	0
0	1	0	0	0	0
0	1	0	1	1	1
0	1	1	0	0	0
0	1	1	1	0	0
1	0	0	0	0	0
1	0	0	1	1	1
1	0	1	0	0	0
1	0	1	1	0	0
1	1	0	0	0	0
1	1	0	1	0	0
1	1	1	0	0	0
1	1	1	1	0	0

2) $(A+B+C)(A+C+D)(A'+B'+C')(A'+C'+D')$

AB	00	01	11	10
CD	0	0	1	1
00	0	0	1	1
01	0	0	1	1
11	1	1	0	0
10	1	1	0	0

$$A'C + AC' + A'B'D + AB'D$$



A	B	C	D	F1	F2
0	0	0	0	0	0
0	0	0	1	0	0
0	0	1	0	1	1
0	0	1	1	1	1
0	1	0	0	0	0
0	1	0	1	1	1
0	1	1	0	1	1
0	1	1	1	1	1
1	0	0	0	1	1
1	0	0	1	1	1
1	0	1	0	1	1
1	0	1	1	0	0
1	1	0	0	1	1
1	1	0	1	1	1
1	1	1	0	0	0
1	1	1	1	0	0