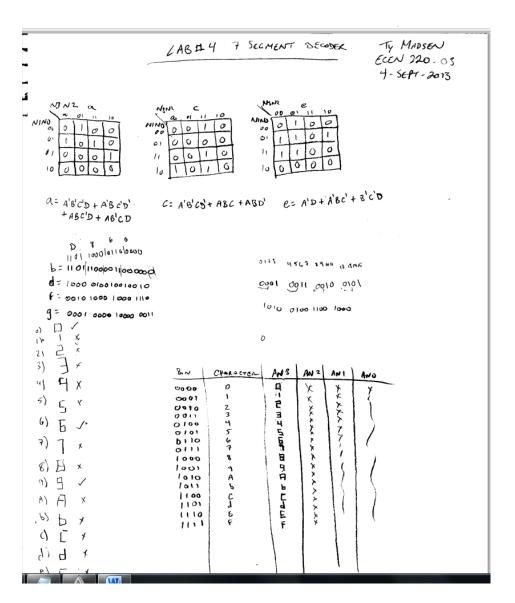
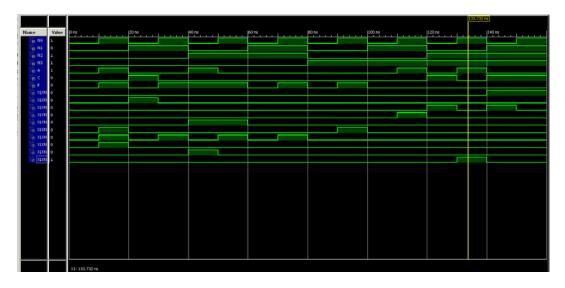
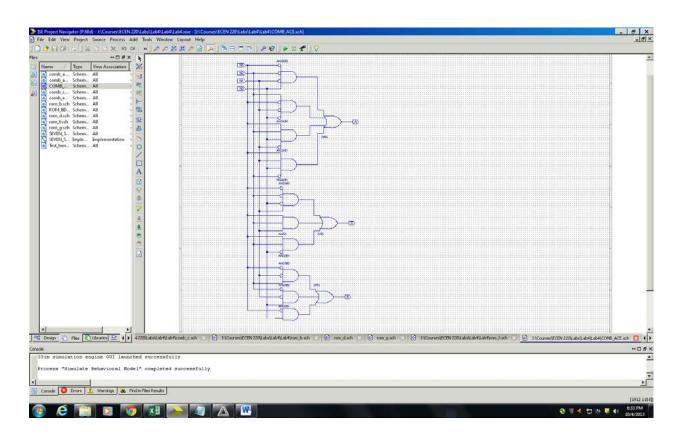
N3	N2	N1	N0	a	b	C	d	е	f	g
0	0	0	0	0	0	0	0	0	0	1
0	0	0	1	1	0	0	1	1	1	1
0	0	1	0	0	0	1	0	0	1	0
0	0	1	1	0	0	0	0	1	1	0
0	1	0	0	1	0	0	1	1	0	0
0	1	0	1	0	1	0	0	1	0	0
0	1	1	0	0	1	0	0	0	0	0
0	1	1	1	0	0	0	1	1	1	1
1	0	0	0	0	0	0	0	0	0	0
1	0	0	1	0	0	0	0	1	0	0
1	0	1	0	0	0	0	1	0	0	0
1	0	1	1	1	1	0	0	0	0	0
1	1	0	0	0	1	1	0	0	0	1
1	1	0	1	1	0	0	0	0	1	0
1	1	1	0	0	1	1	0	0	0	0
1	1	1	1	0	1	1	1	0	0	0

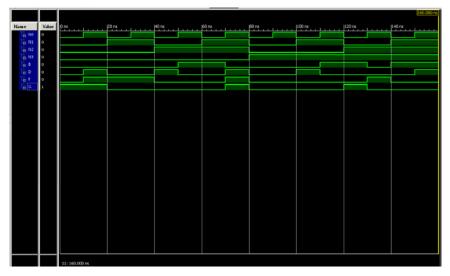


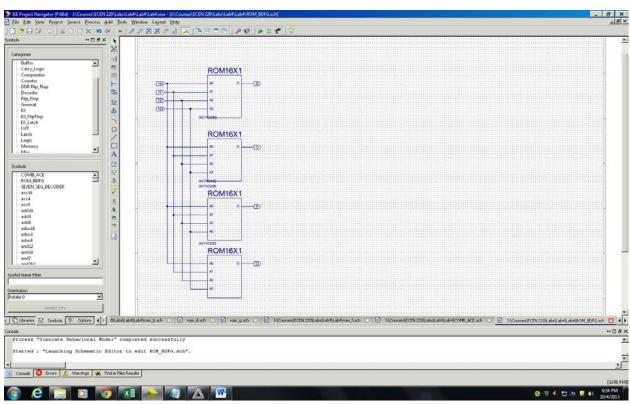
## Combinational a, c, e



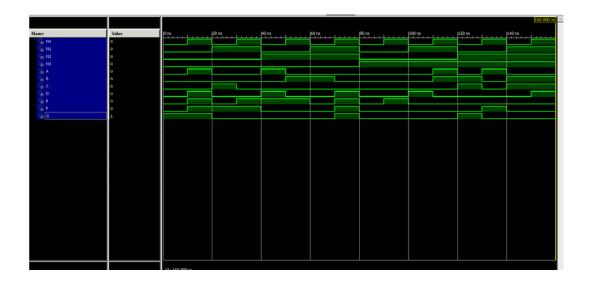


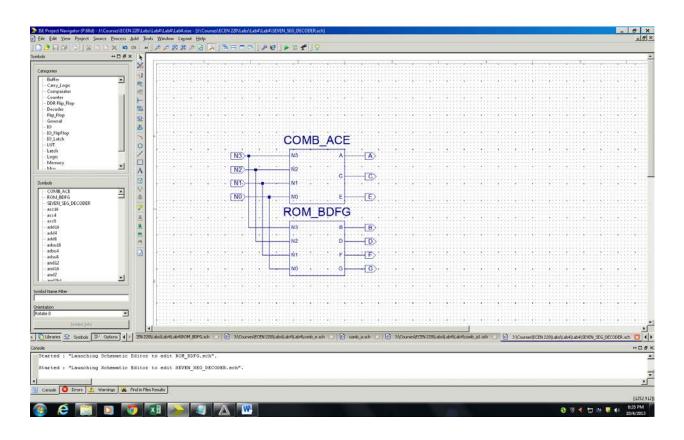
# Rom b, d, f, g



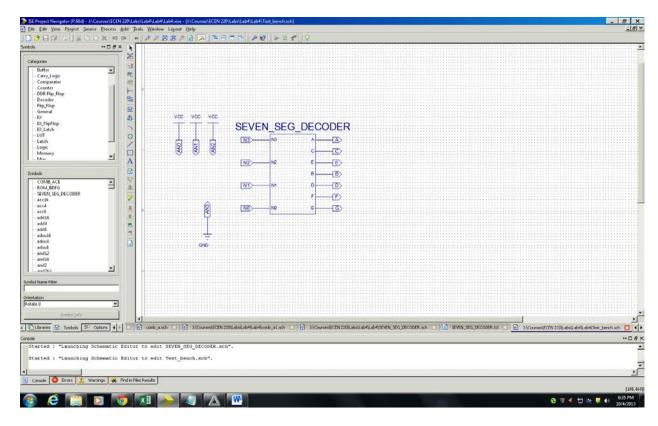


## Seven Segment Decoder





#### Test Bench



### UCF

```
22 SHIT "swc0p" LOC = "G10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW0
23 SHIT "swc1p" LOC = "E10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW1
24 SHIT "swc1p" LOC = "E10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW2
25 SHIT "swc1p" LOC = "E11"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW3
26 NET NO LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW3
27 NET NI LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW3
28 NET NI LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW6
29 NET NI LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW6
30 NET NI LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW7
31 ## SW1 LOC = "Lil"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW7
32 SHIT "Schnob" LOC = "E10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW1
38 SW1 LOC = "Lil"; LOC = "Lil"; # Bank = 1, Pin name = IP, VEEF, I, Type = VEEF, Sch name = BTN1
39 SW1 "Schnob" LOC = "B10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW1
30 SW1 LOC = "Lil"; # Bank = 1, Pin name = ID, LIDP, I, Type = INPUT, Sch name = SW1
39 SW1 "Schnob" LOC = "B10"; # Bank = 1, Pin name = IP, Type = INPUT, Sch name = SW1
30 NET Schnob" LOC = "B10"; # Bank = 1, Pin name = ID, LIDP, I, Type = I/O, Sch name = CA
30 NET Coc = "Lil"; # Bank = 1, Pin name = ID, LIDP, I, Type = I/O, Sch name = CA
30 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = DUAL, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = I/O, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = I/O, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = DUAL, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = DUAL, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = I/O, Sch name = CC
40 NET Coc = "SW1"; # Bank = 1, Pin name = ID, LIDP, I, Type = DUAL, Sch name = CC
40 NET AND LOC = "F10"; # Bank = 1, Pin nam
```

## TCL file