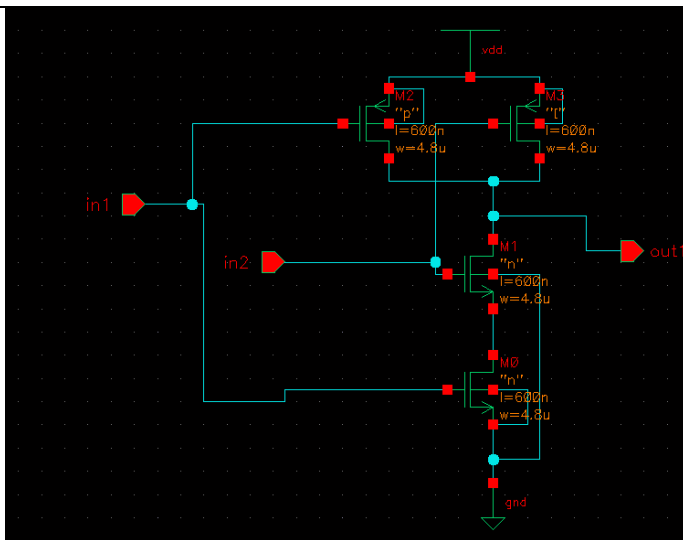
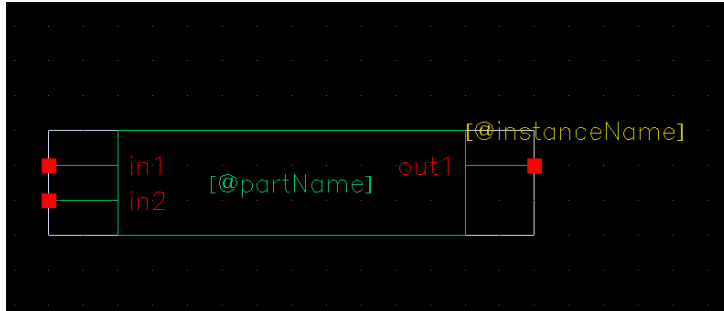
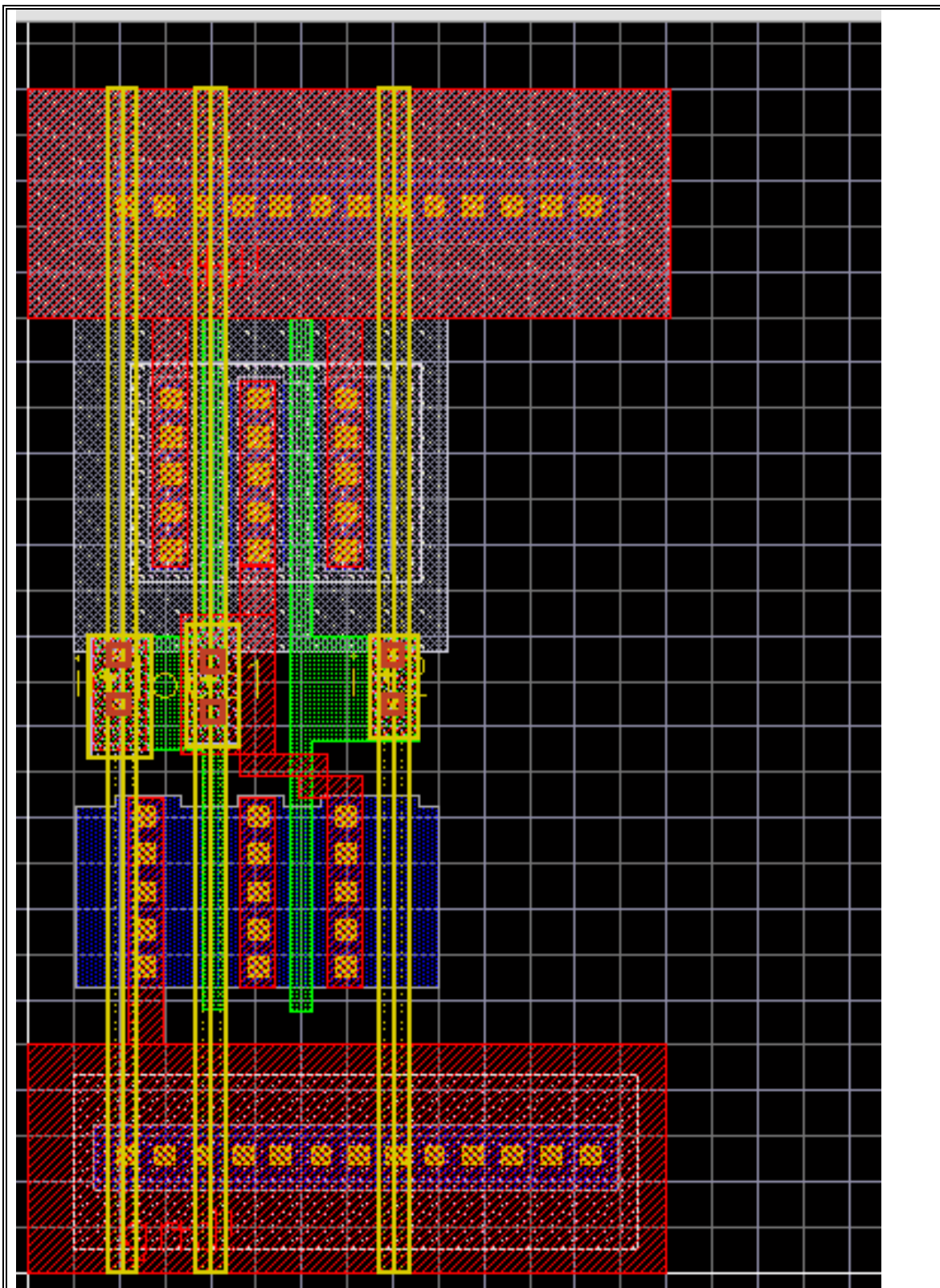


Library Name:		
Cell Name:	Zxw_nand	
Function/Truth Table:		
0 0	1	
0 1	1	
1 0	1	
1 1	0	
Propagation Delay:		
Layout Area: 522.26um^2		

Symbol with Port Names:**Schematic:****Layout:**

27 September 2014



Verilog Model:

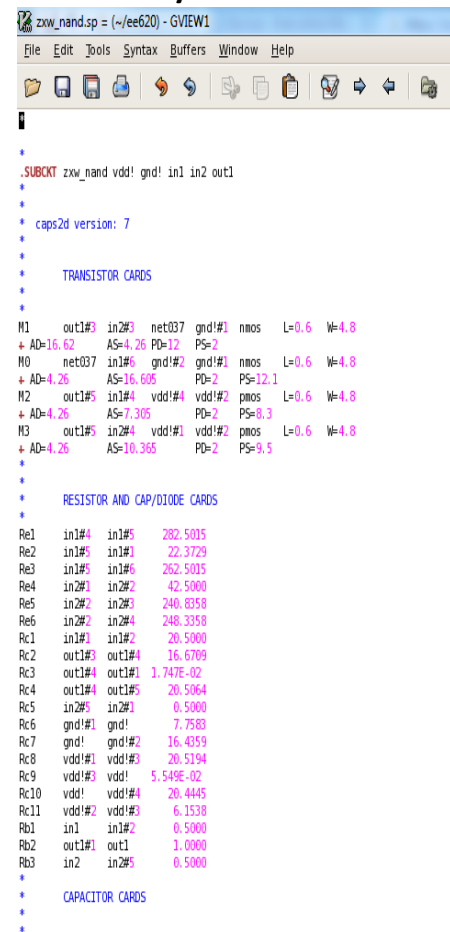
```
module zxw_nand (in1,in2,out1 );
```

```

    input in1;
    input in2;
    output out1;
    nand(out1,in1,in2);
endmodule

```

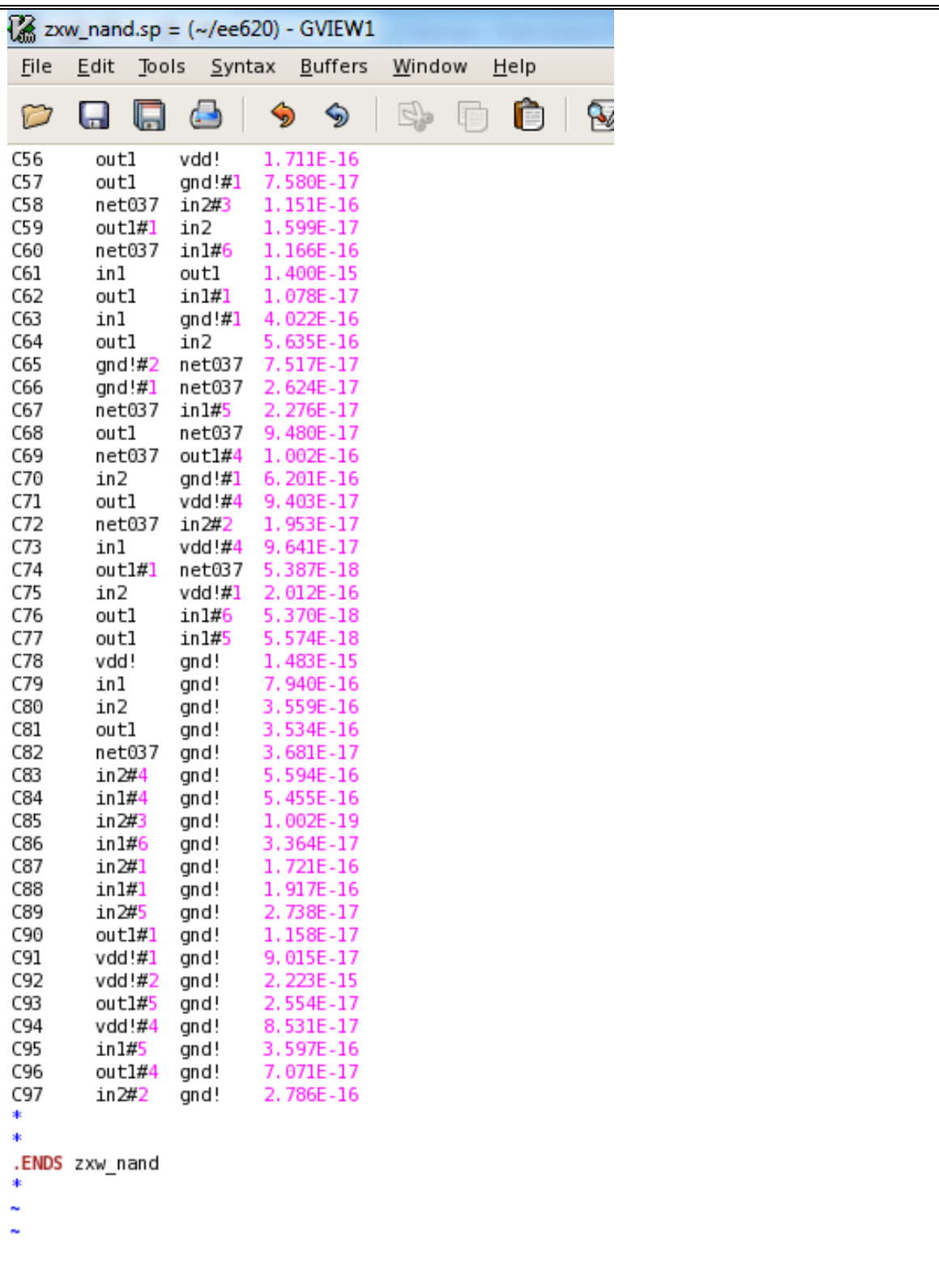
Comments/Notes:



zxw_nand.sp = (~/ee620) - GVIEW1				
File Edit Tools Syntax Buffers Window				
RESISTOR AND CAP/DIODE CARDS				
re1	in1#4	in1#5	282.5015	
re2	in1#5	in1#1	22.3729	
re3	in1#5	in1#6	262.5015	
re4	in2#1	in2#2	42.5000	
re5	in2#2	in2#3	240.8358	
re6	in2#2	in2#4	248.3358	
ic1	in1#1	in1#2	20.5000	
ic2	out1#3	out1#4	16.6709	
ic3	out1#4	out1#1	1.747E-02	
ic4	out1#4	out1#5	20.5064	
ic5	in2#5	in2#1	0.5000	
ic6	gnd!#1	gnd!	7.7583	
ic7	gnd!	gnd!#2	16.4359	
ic8	vdd!#1	vdd!#3	20.5194	
ic9	vdd!#3	vdd!	5.549E-02	
ic10	vdd!	vdd!#4	20.4445	
ic11	vdd!#2	vdd!#3	6.1538	
ib1	in1	in1#2	0.5000	
ib2	out1#1	out1	1.0000	
ib3	in2	in2#5	0.5000	
CAPACITOR CARDS				
1	in1#1	gnd!#2	6.196E-17	
2	out1#5	in1#5	2.610E-17	
3	vdd!	in1#4	9.349E-17	
4	vdd!	gnd!#1	6.213E-17	
5	out1#5	vdd!	3.994E-17	
6	out1#3	in2#2	2.124E-16	
7	out1#1	vdd!#4	5.223E-17	
8	out1#5	in2#2	2.850E-17	
9	in1#4	in2#4	2.850E-17	
10	out1#1	gnd!#2	9.586E-18	
11	out1#4	in2#5	2.079E-17	
12	vdd!#4	in1#5	2.694E-17	
13	out1#1	in1#5	3.569E-16	
14	gnd!#2	in1#5	1.275E-17	
15	in1#6	in2#3	1.003E-17	
16	vdd!#2	gnd!#1	3.117E-16	
17	out1#1	in2#2	7.541E-18	
18	out1#3	gnd!#1	2.286E-16	
19	vdd!#1	in2#4	1.535E-16	
20	out1#4	in1#5	4.687E-17	
21	vdd!#2	in2#4	1.177E-16	

zxw_nand.sp = (~/ee620) - GVIEW1

C28	out1#5	in1#4	1.171E-16
C29	in1#6	gnd!#1	3.726E-16
C30	out1#3	in2#3	1.264E-16
C31	out1#4	in2#2	1.649E-16
C32	vdd!#4	in1#4	1.564E-16
C33	in1#5	gnd!#1	7.703E-16
C34	in2#1	gnd!#1	6.844E-16
C35	vdd!#1	in2#1	1.474E-17
C36	out1#4	gnd!#1	1.216E-16
C37	in1#1	gnd!#1	7.557E-16
C38	out1#3	in2#1	2.783E-17
C39	in2#2	gnd!#1	7.046E-16
C40	in2#5	gnd!#1	4.702E-17
C41	gnd!#2	in1#6	7.761E-17
C42	in2#5	vdd!#1	1.353E-17
C43	out1#1	gnd!#1	5.414E-17
C44	vdd!#4	out1#5	1.291E-16
C45	vdd!#1	in2#2	3.008E-17
C46	in2#5	out1#3	3.112E-17
C47	out1#3	in1#5	6.369E-18
C48	vdd!#4	in1#1	1.355E-17
C49	net037	out1#3	1.506E-16
C50	in1	gnd!#2	2.887E-16
C51	out1	gnd!#2	8.267E-17
C52	in2	vdd!#2	3.552E-16
C53	in1	out1#1	2.299E-16
C54	in1	vdd!	2.275E-16
C55	in2	out1#3	3.714E-16
C56	out1	vdd!	1.711E-16
C57	out1	gnd!#1	7.580E-17
C58	net037	in2#3	1.151E-16
C59	out1#1	in2	1.599E-17
C60	net037	in1#6	1.166E-16
C61	in1	out1	1.400E-15
C62	out1	in1#1	1.078E-17
C63	in1	gnd!#1	4.022E-16
C64	out1	in2	5.635E-16
C65	gnd!#2	net037	7.517E-17
C66	gnd!#1	net037	2.624E-17
C67	net037	in1#5	2.276E-17
C68	out1	net037	9.480E-17
C69	net037	out1#4	1.002E-16
C70	in2	gnd!#1	6.201E-16
C71	out1	vdd!#4	9.403E-17
C72	net037	in2#2	1.953E-17
C73	in1	vdd!#4	9.641E-17
C74	out1#1	net037	5.387E-18
C75	in2	vdd!#1	2.012E-16



```

zxw_nand.sp = (~/ee620) - GVIEW1
File Edit Tools Syntax Buffers Window Help
C56 out1 vdd! 1.711E-16
C57 out1 gnd!#1 7.580E-17
C58 net037 in2#3 1.151E-16
C59 out1#1 in2 1.599E-17
C60 net037 in1#6 1.166E-16
C61 in1 out1 1.400E-15
C62 out1 in1#1 1.078E-17
C63 in1 gnd!#1 4.022E-16
C64 out1 in2 5.635E-16
C65 gnd!#2 net037 7.517E-17
C66 gnd!#1 net037 2.624E-17
C67 net037 in1#5 2.276E-17
C68 out1 net037 9.480E-17
C69 net037 out1#4 1.002E-16
C70 in2 gnd!#1 6.201E-16
C71 out1 vdd!#4 9.403E-17
C72 net037 in2#2 1.953E-17
C73 in1 vdd!#4 9.641E-17
C74 out1#1 net037 5.387E-18
C75 in2 vdd!#1 2.012E-16
C76 out1 in1#6 5.370E-18
C77 out1 in1#5 5.574E-18
C78 vdd! gnd! 1.483E-15
C79 in1 gnd! 7.940E-16
C80 in2 gnd! 3.559E-16
C81 out1 gnd! 3.534E-16
C82 net037 gnd! 3.681E-17
C83 in2#4 gnd! 5.594E-16
C84 in1#4 gnd! 5.455E-16
C85 in2#3 gnd! 1.002E-19
C86 in1#6 gnd! 3.364E-17
C87 in2#1 gnd! 1.721E-16
C88 in1#1 gnd! 1.917E-16
C89 in2#5 gnd! 2.738E-17
C90 out1#1 gnd! 1.158E-17
C91 vdd!#1 gnd! 9.015E-17
C92 vdd!#2 gnd! 2.223E-15
C93 out1#5 gnd! 2.554E-17
C94 vdd!#4 gnd! 8.531E-17
C95 in1#5 gnd! 3.597E-16
C96 out1#4 gnd! 7.071E-17
C97 in2#2 gnd! 2.786E-16
*
*
.ENDS zxw_nand
*
~
~

```