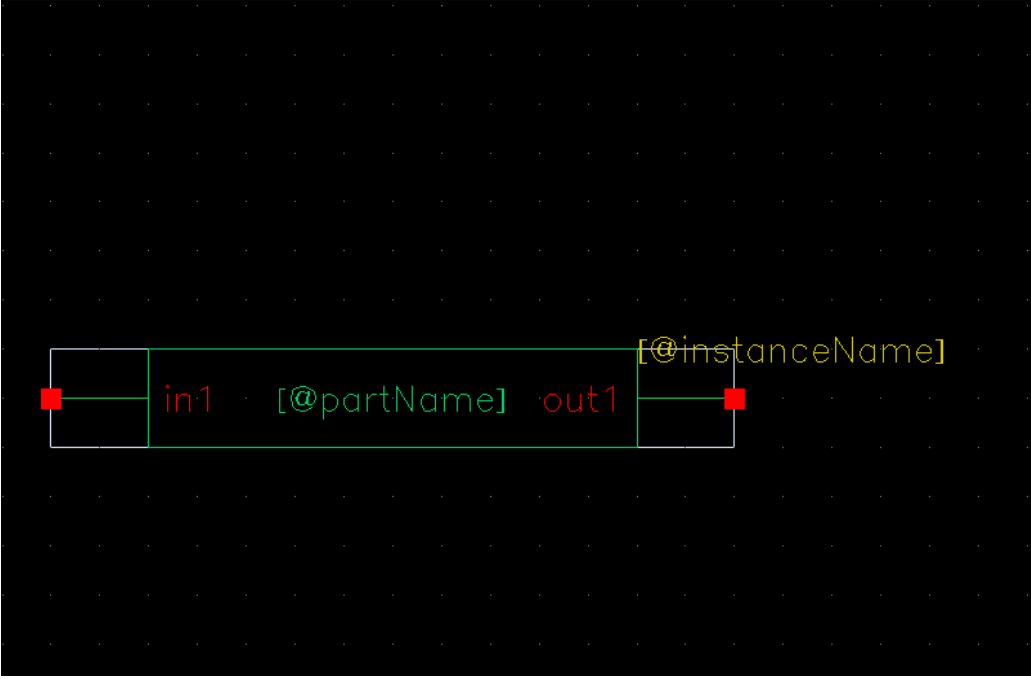
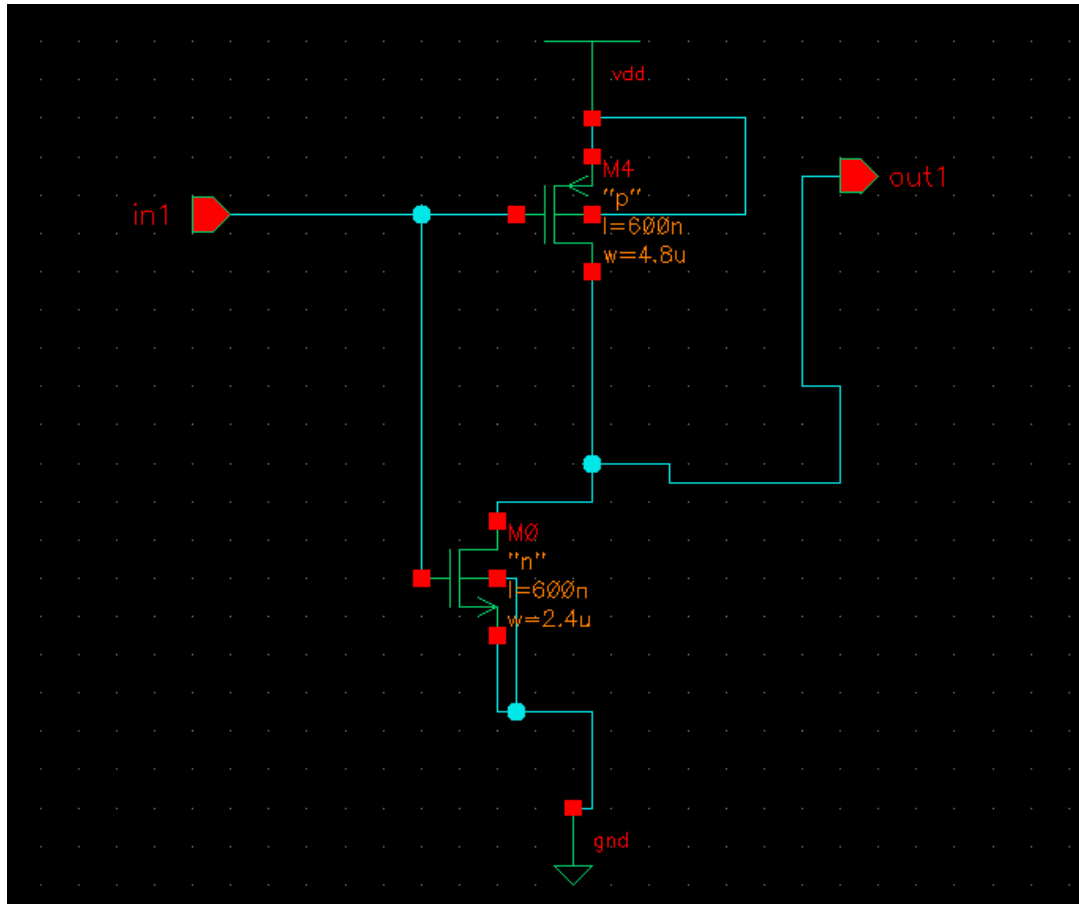
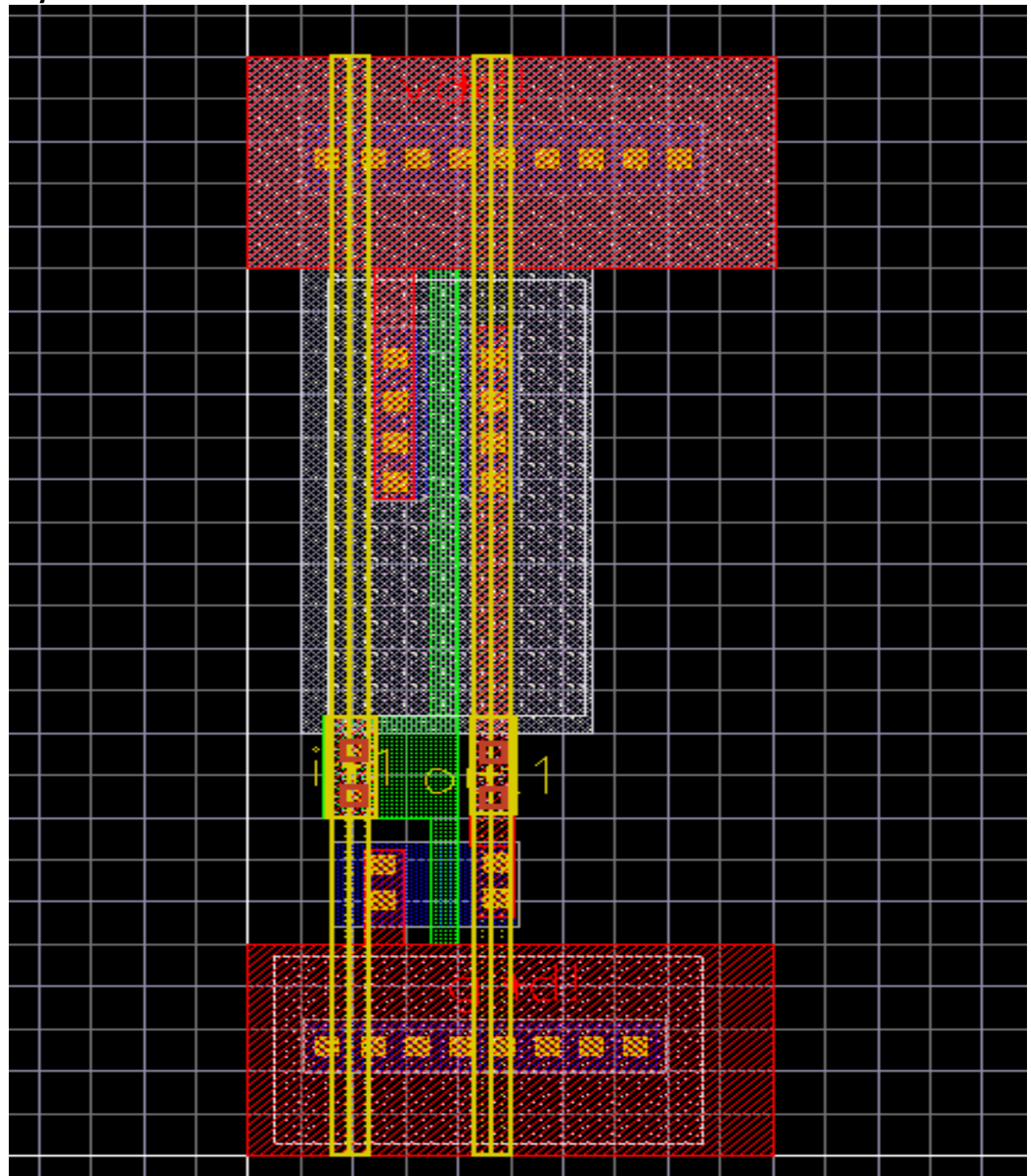


Time delay Y falling 3.2994ns	
Time delay Y rising 1.6953ns	
Layout Area: 374.4	
Symbol with Port Names:	
	

Schematic: s

Layout:

Verilog Model:

```
module zxw_inv4 (in1,out1
);
```

```
input in1;  
output out1;  
not (out1,in1);  
endmodule
```

Comments/Notes:

Parasitic delay

```
*          LINUX          Fri Sep 26 10:46:34 2014
```

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```
.SUBCKT zxw_inv4 vdd! gnd! in1 out1
```

*

*

* caps2d version: 7

*

*

*

*

*

M0 out1#3 in1#6 gnd!#3 gnd!#1 nmos L=0.6 W=2.4

+ AD=3.36 AS=5.4 PD=5.2 PS=6.9

M4 out1#1 in1#4 vdd!#2 vdd!#1 pmos L=0.6 W=4.8

+ AD=6.84 AS=6.835 PD=7.8 PS=7.8

*

*

*

*

Re1 in1#4 in1#5 496.3234

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```

Re2  in1#5 in1#1  18.6207
Re3  in1#5 in1#6  161.3234
Rc1  in1#1 in1#2  20.5000
Rc2  out1#1 out1#2 25.9449
Rc3  out1#2 out1#3 40.2644
Rc4  gnd!  gnd!#2 1.099E-02
Rc5  gnd!#2 gnd!#3 40.2421
Rc6  gnd!#1 gnd!#2 12.5000
Rc7  vdd!#1 vdd!   8.9013
Rc8  vdd!  vdd!#2 25.4731
Rb1  in1   in1#2  0.5000
Rb2  out1#2 out1   1.0000

```

*

* CAPACITOR CARDS

*

*

```

C1   out1  vdd!  6.570E-18
C2   vdd!  in1#4  1.064E-16
C3   vdd!  gnd!#1 6.208E-17
C4   out1#1 vdd!  1.125E-17
C5   vdd!#2 out1#1 1.606E-16
C6   in1#5  gnd!#1 4.697E-16
C7   out1#1 in1#5  6.098E-17
C8   out1  gnd!#1 3.416E-16
C9   in1#1  out1#2 4.400E-17
C10  out1  vdd!#1 3.080E-16
C11  out1  vdd!#2 6.057E-17
C12  gnd!#3 out1#3 4.683E-17
C13  out1#1 in1#4  2.173E-16
C14  out1  gnd!#3 2.745E-17
C15  in1#6  gnd!#1 2.907E-16
C16  vdd!#2 in1#4  1.851E-16
C17  in1#1  gnd!#1 6.694E-16
C18  out1#3 in1#6  5.601E-17
C19  out1#2 gnd!#1 2.468E-16
C20  gnd!#3 in1#6  6.915E-17
C21  gnd!#3 in1#5  1.643E-17
C22  gnd!#3 in1#1  5.672E-17
C23  out1#2 in1#5  2.921E-16
C24  vdd!#1 gnd!#1 2.235E-16
C25  gnd!#1 out1#3 5.096E-17
C26  out1#1 vdd!#1 3.116E-17
C27  in1    gnd!#1 2.087E-16
C28  in1    vdd!#2 1.124E-16
C29  in1    out1#1 4.822E-17

```

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```
C30 in1 gnd!#3 3.555E-16
C31 in1 out1 9.123E-16
C32 in1 vdd! 2.222E-16
C33 in1 out1#2 1.111E-16
C34 vdd! gnd! 1.297E-15
C35 in1 gnd! 5.827E-16
C36 out1 gnd! 5.809E-16
C37 in1#4 gnd! 6.758E-16
C38 in1#1 gnd! 2.666E-16
C39 out1#2 gnd! 2.563E-16
C40 out1#1 gnd! 2.626E-16
C41 vdd!#1 gnd! 1.594E-15
C42 out1#3 gnd! 2.807E-17
C43 vdd!#2 gnd! 7.439E-17
C44 in1#5 gnd! 5.550E-16
*
*
.ENDS zxw_inv4
*
```