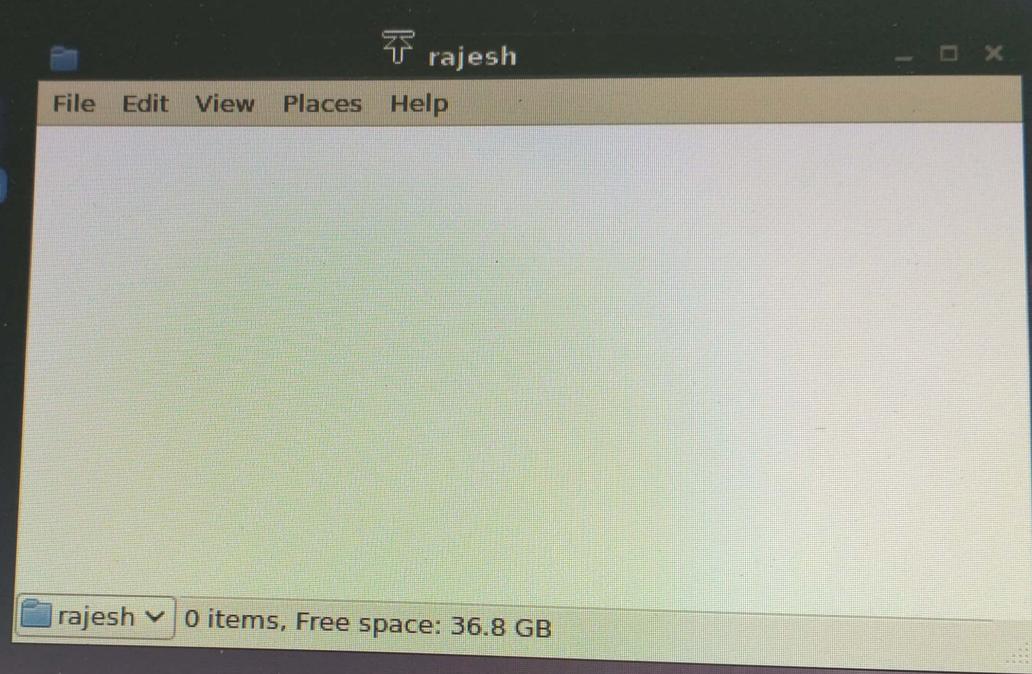
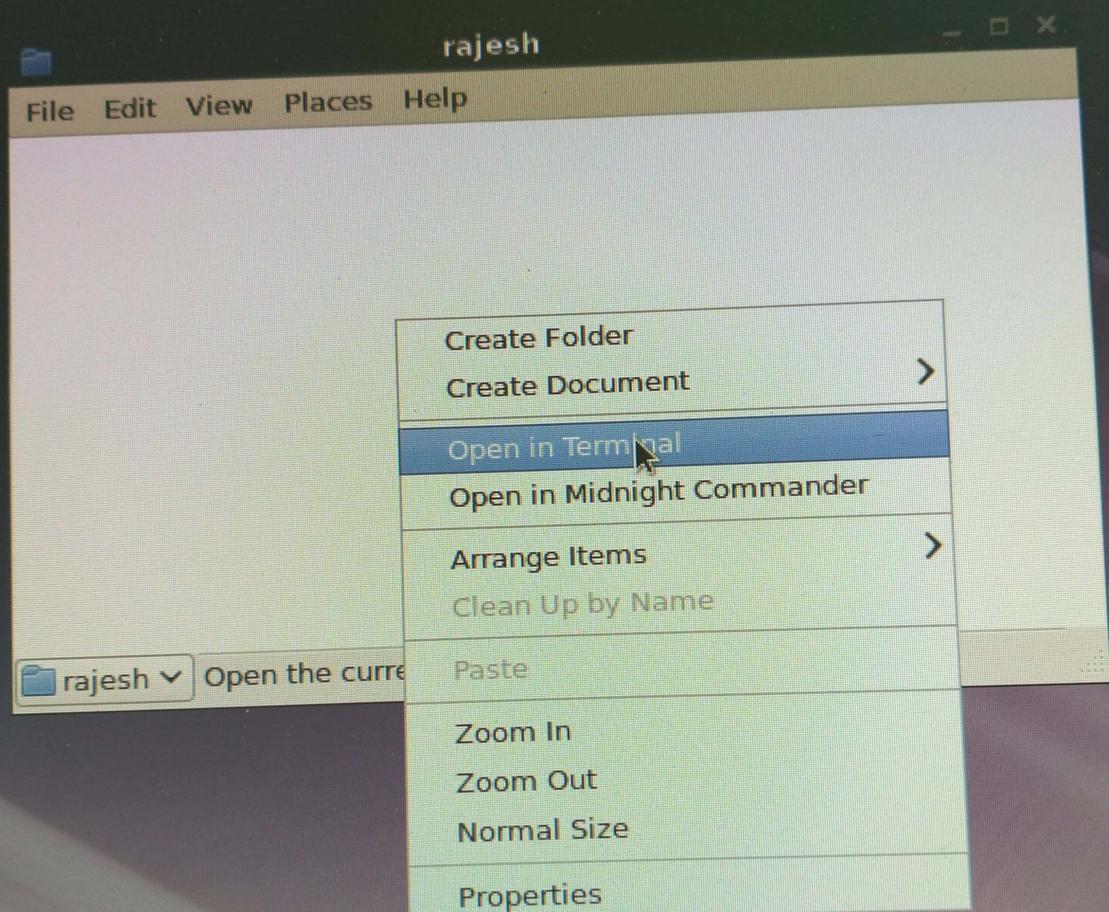


ot's Home  
Trash





.tdf

root@cad25:~/Desktop/rajesh

File Edit View Search Terminal Help

```
[root@cad25 rajesh]# csh  
[root@cad25 rajesh]# source /home/cad/cshrc
```

Welcome to Cadence Tools Suite

```
[root@cad25 rajesh]# virtuoso &  
[1] 4204  
[root@cad25 rajesh]# █
```

# Virtuoso® 6.1.6-64b - Log: /root/CDS.log

File Tools Options Help

New...  
Open...  
Import  
Export  
Refresh...  
Make Read Only...

Library...

Cellview...

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ed with permission.

Bookmarks  
Close Data...  
Exit...

RIGHTS NOTICE (SHORT FORM)

closure is subject to restriction  
2 227-19 or its equivalent.

\$CDS: virtuoso version 6.1.6-64b 12/06/2013 15:10 (sjfnl173) \$  
sub-version IC6.1.6-64b.500.4 (64-bit addresses)

Loading geView.cxt  
Loading menuBuilder.cxt  
Loading schView.cxt  
Loading selectSv.cxt  
Loading pvsui.cxt  
Loading LVS.cxt  
Loading layerProc.cxt  
Loading pte2.cxt  
Loading xlUI.cxt  
Loading auCore.cxt  
Loading vhdl.cxt  
Loading seismic.cxt  
Loading ci.cxt  
Loading ams.cxt  
Virtuoso Framework License (111) was checked out successfully. Total checkout time was 0.10s.

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Reproduced with permission.

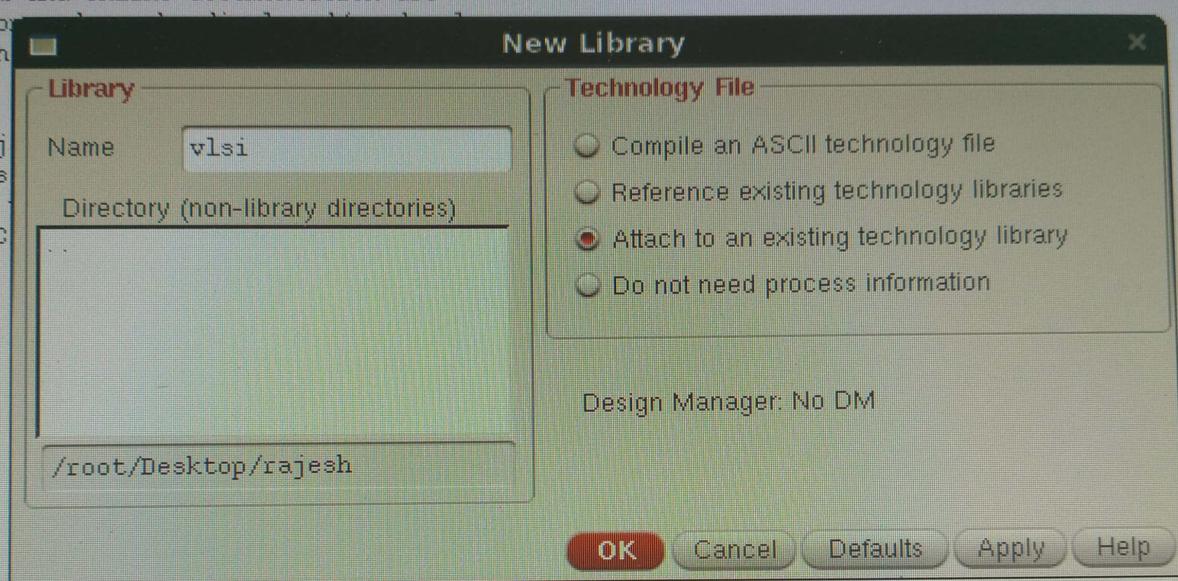
gn Systems program and online documentation are  
idential information and is protected by U.S. and  
a license agreement.

TED RIGHTS NOTICE  
disclosure is subj  
1252.227-19 or its  
(#)\$CDS: virtuoso  
sub-version IC

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used with permission.

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File Tools Options Help

- Loadi Library Manager...
- Loadi Library Path Editor...
- Loadi NC-Verilog...
- Loadi VHDL Toolbox...
- Loadi Mixed Signal Environment ▶
- Loadi ADE L
- Loadi ADE XL
- Virtu VIVA XL
- ddCre AMS
- Creat Behavioral Modeling
- done! L Technology File Manager...
- L Display Resource Manager...
- L Abstract Generator...
- L Print Hierarchy Tree...
- L Set Cell Type...
- Loadi CDF
- Loadi SKILL IDE...
- Loadi SKILL Finder...
- Loadi Conversion Tool Box...
- Loadi Uniquify...
- Loading megahandler.cxt
- Loading UltraSim.cxt
- Loading AMSOSS.cxt
- Loading AMS.cxt

was checked out successfully. Total checkout time was  
ib file at '/root/Desktop/rajesh/cds.lib'.  
Desktop/rajesh/vlsi"

... done!  
m library 'gpdk180' ... done!  
pm library 'gpdk180' ... done!  
one!

Exit.il ... Loading oasis.cxt

\*\*\*\*\*  
\* Cadence Design Systems, Inc.  
\*  
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\*\*\*\*\*

Generic 180nm PDK  
(gpdk180)

Version 3.0

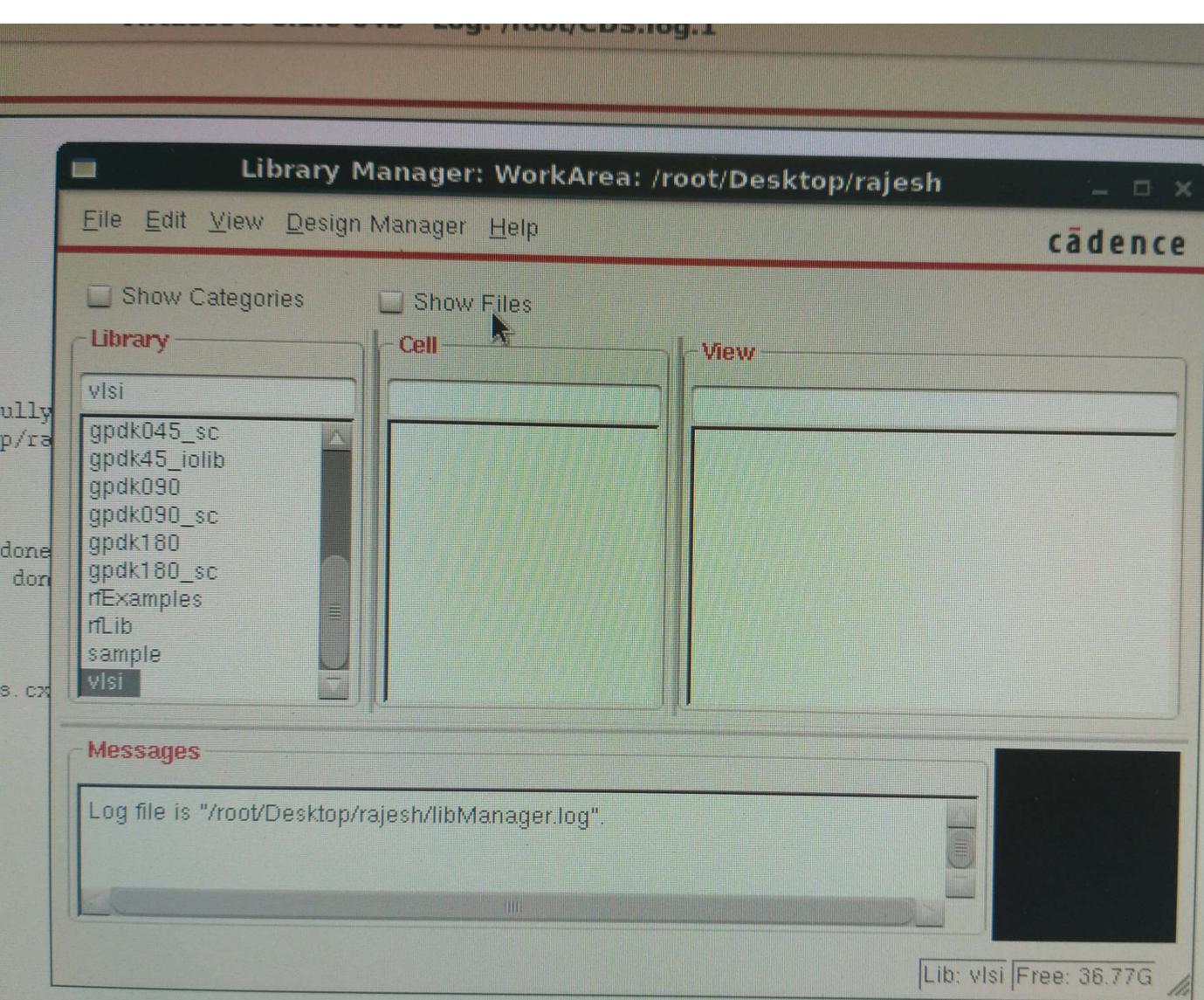
mouse L:

1 >

[root@cad25:~/Desktop...]

rajesh

[root@cad25:~/Desktop...]



\*\*\*\*\*



# Virtuoso® 6.1.6-64b - Log: /root/CDS.log.1

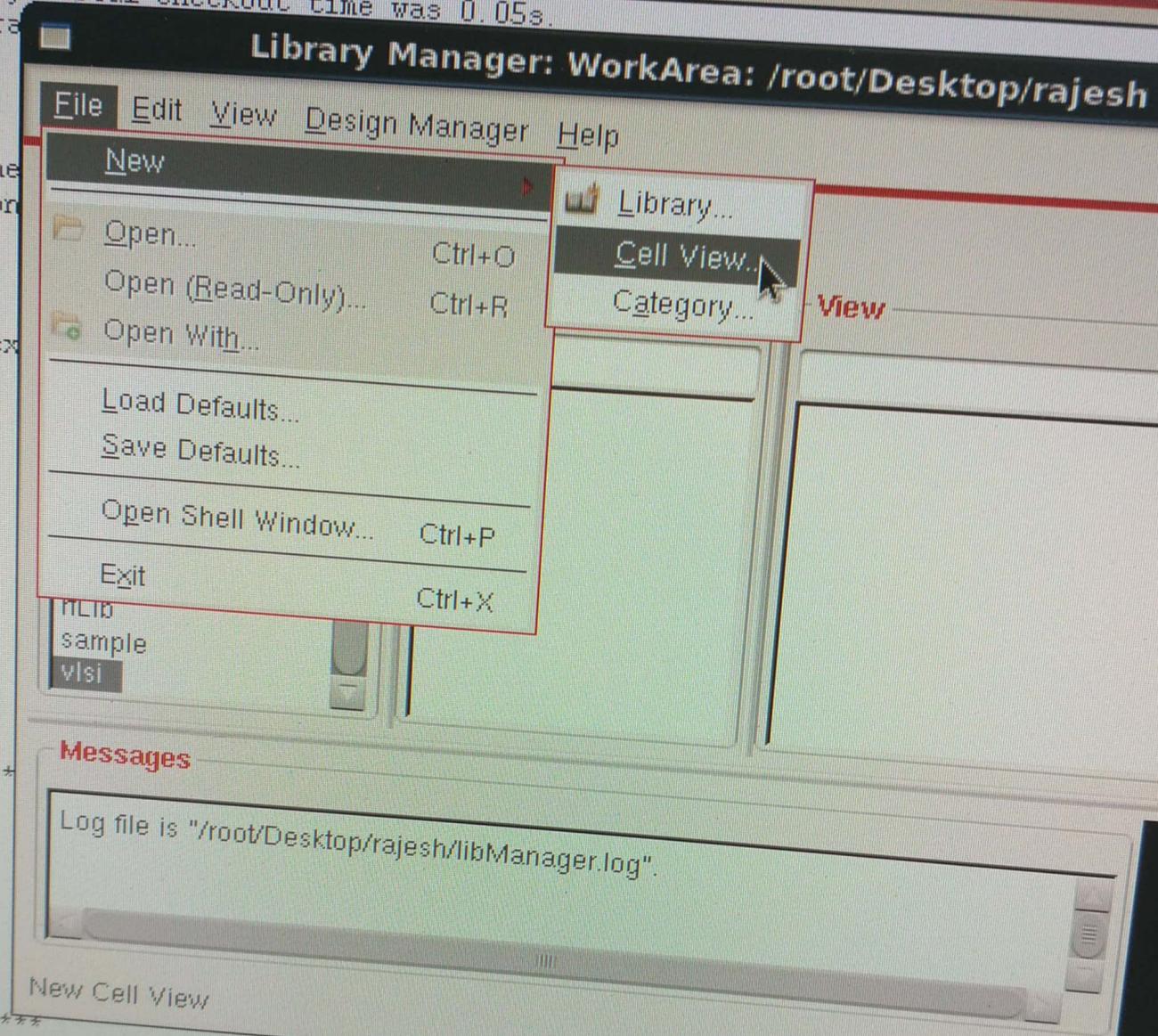
successfully. Total checkout time was 0.05s.

Desktop/ra

"

done  
done

oasis.cx



lly attached to technology library 'gpdk180'.

lsi".

lsi".

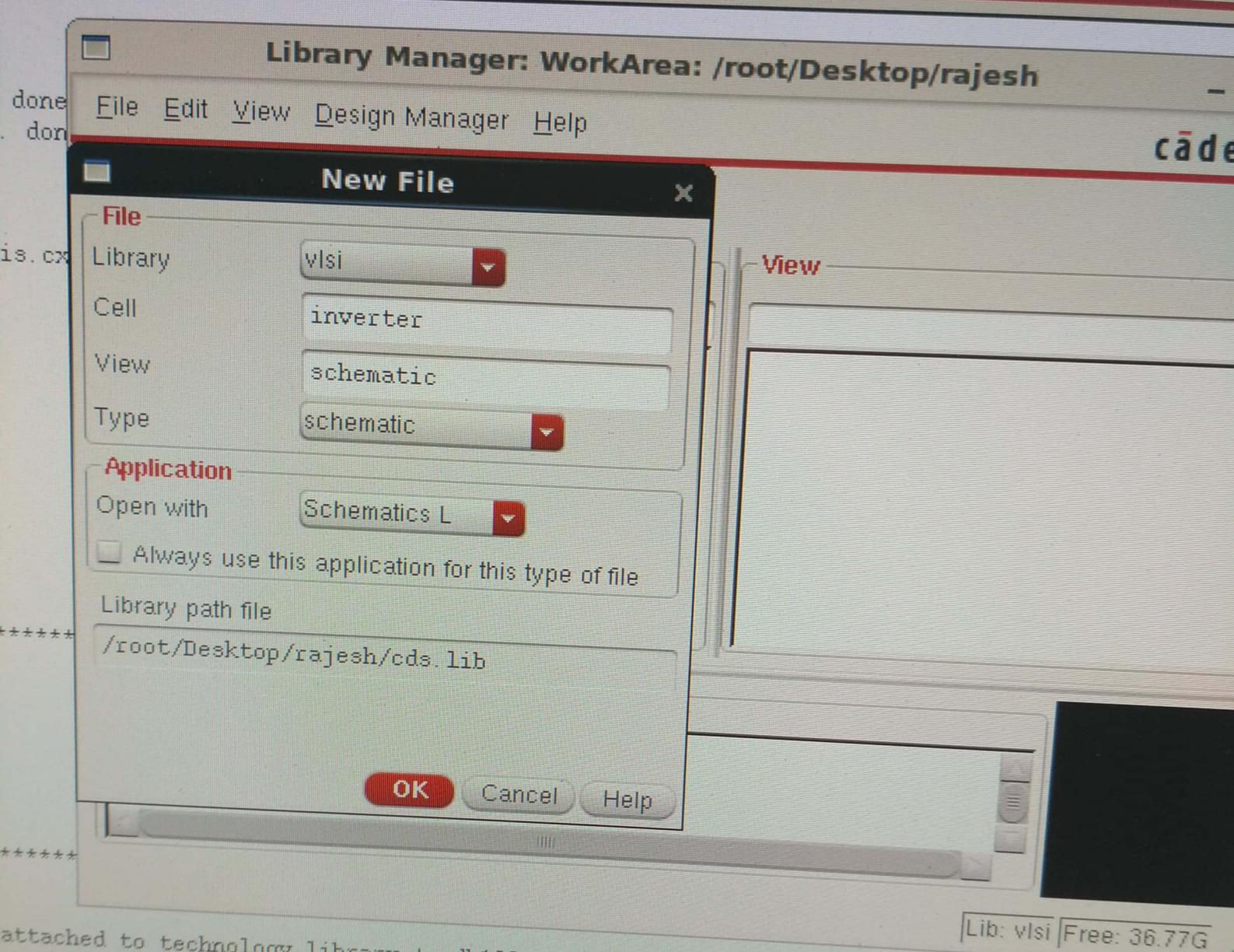
M.

root@cad25:~/Desktop...

virtuoso

Cadence Library Mana...

Dell



M:

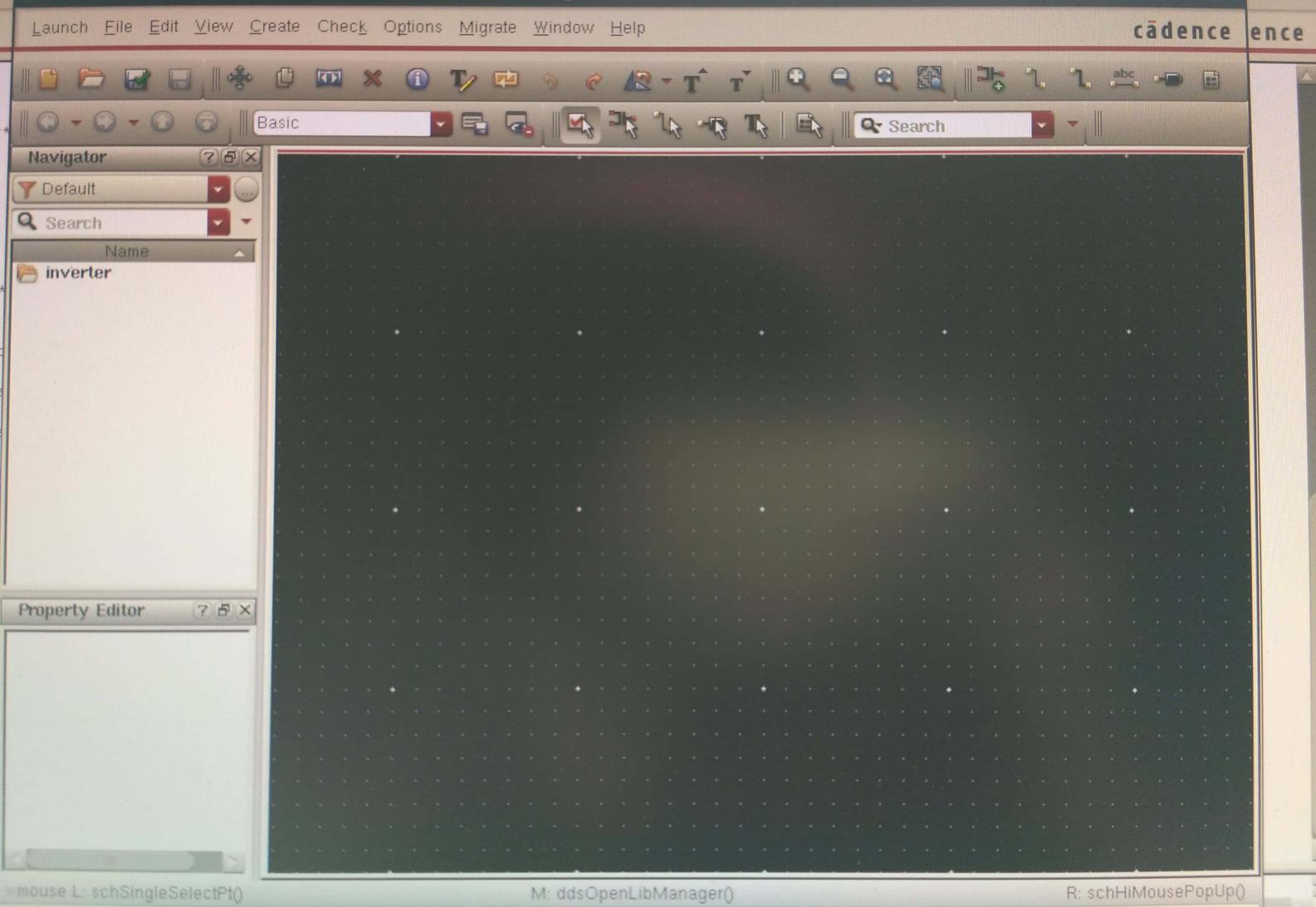
root@cad25:~/Desktop... |

| virtuoso

| Cadence Library Mana...

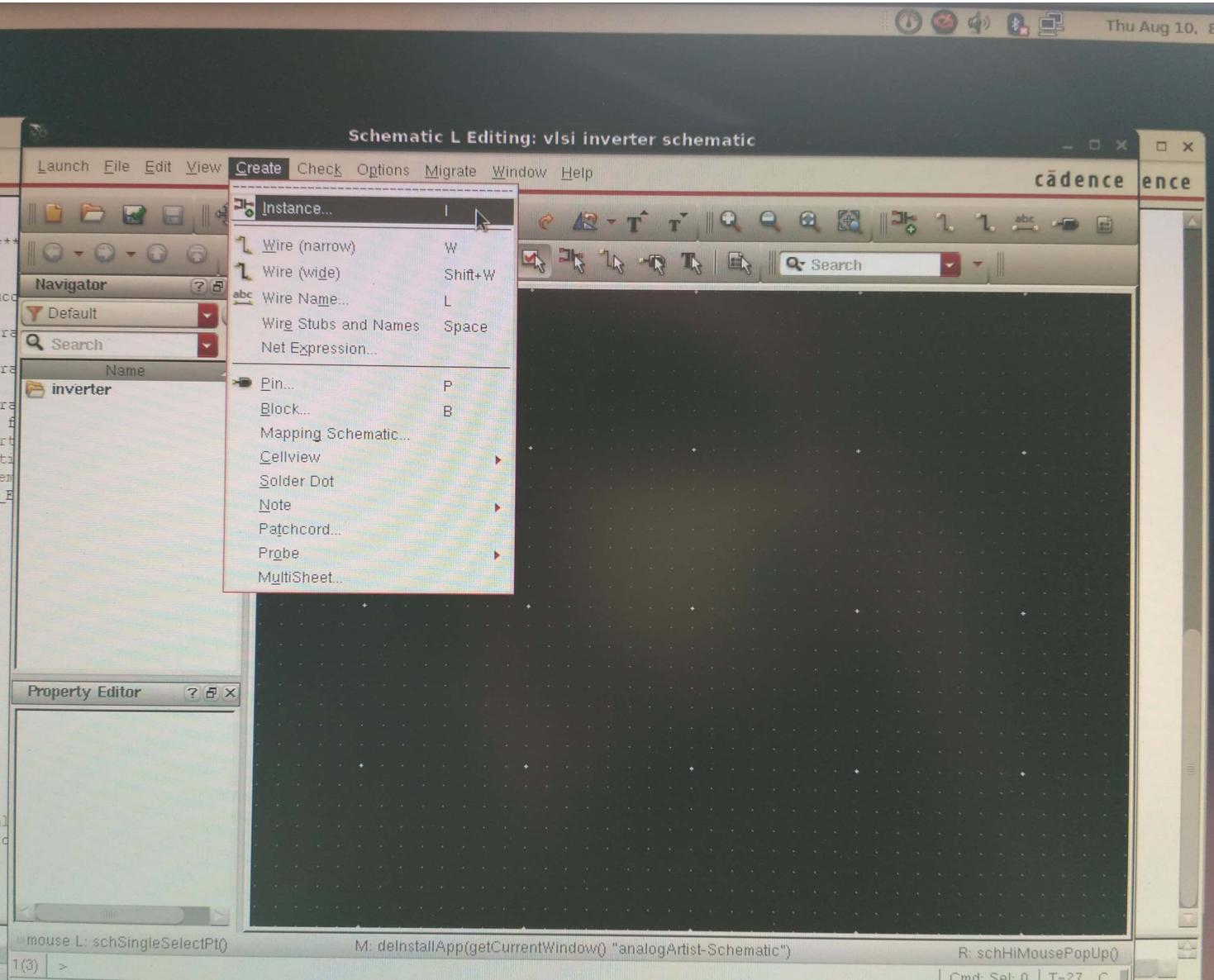


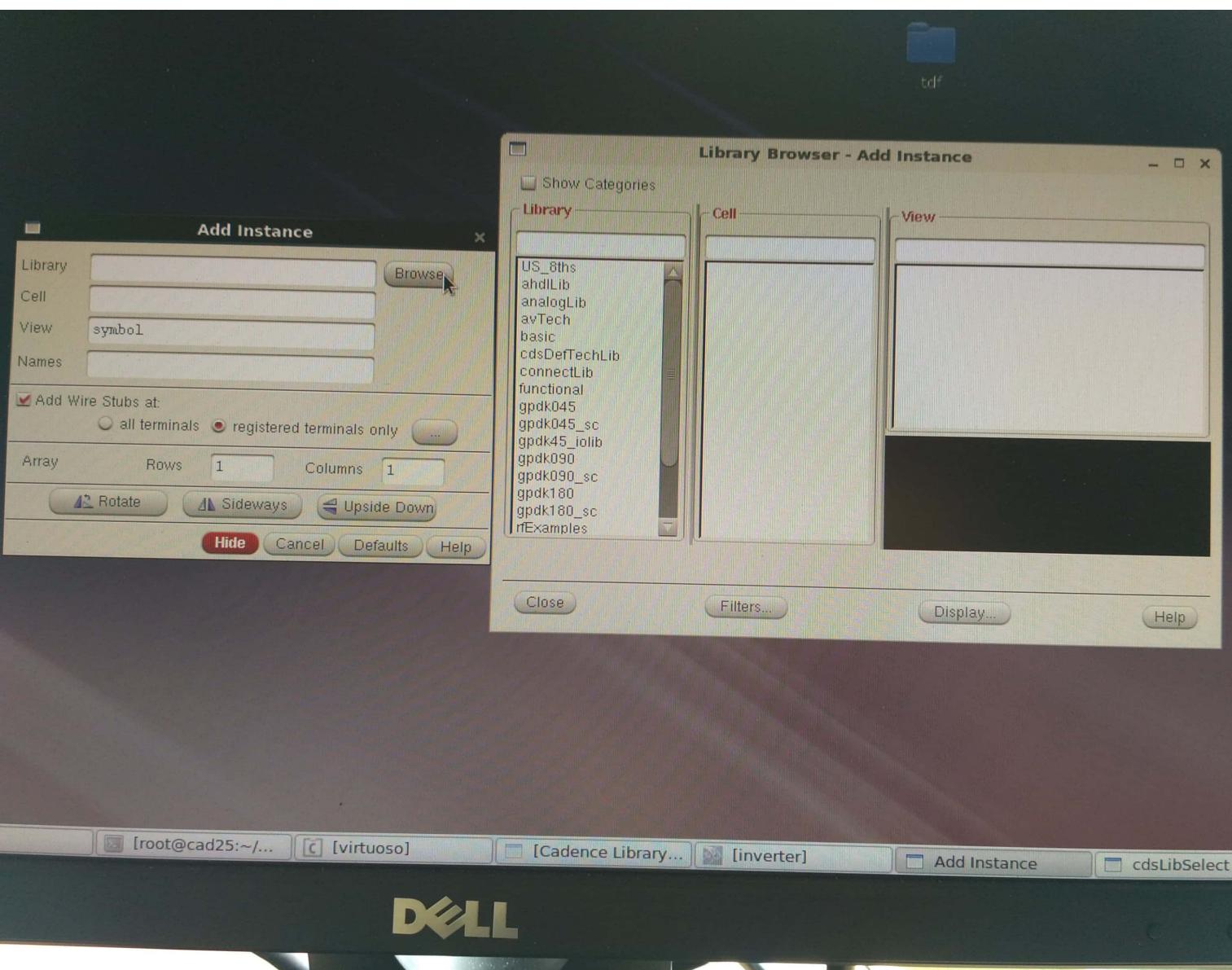
## Schematic L Editing: vlsi inverter schematic





Thu Aug 10, 8:21 P





## Schematic L Editing: vlsi inverter schematic

File Edit View Create Check Options Migrate Window Help

### Library Manager: WorkArea: /root/Desktop/rajes

File Edit View Design Manager Help

cadence

Show Categories

Show Files

#### Library

gpdk180  
gpdk045\_sc  
gpdk45\_iolib  
gpdk090  
gpdk090\_sc  
gpdk180  
gpdk180\_sc  
rfExamples  
rfLib  
sample  
vlsi

#### Cell

nmos  
m4res  
m5res  
m6res  
mimcap  
ndio  
nmos  
nmos3  
nmos3hv  
nmoscap  
nmoscap3

#### View

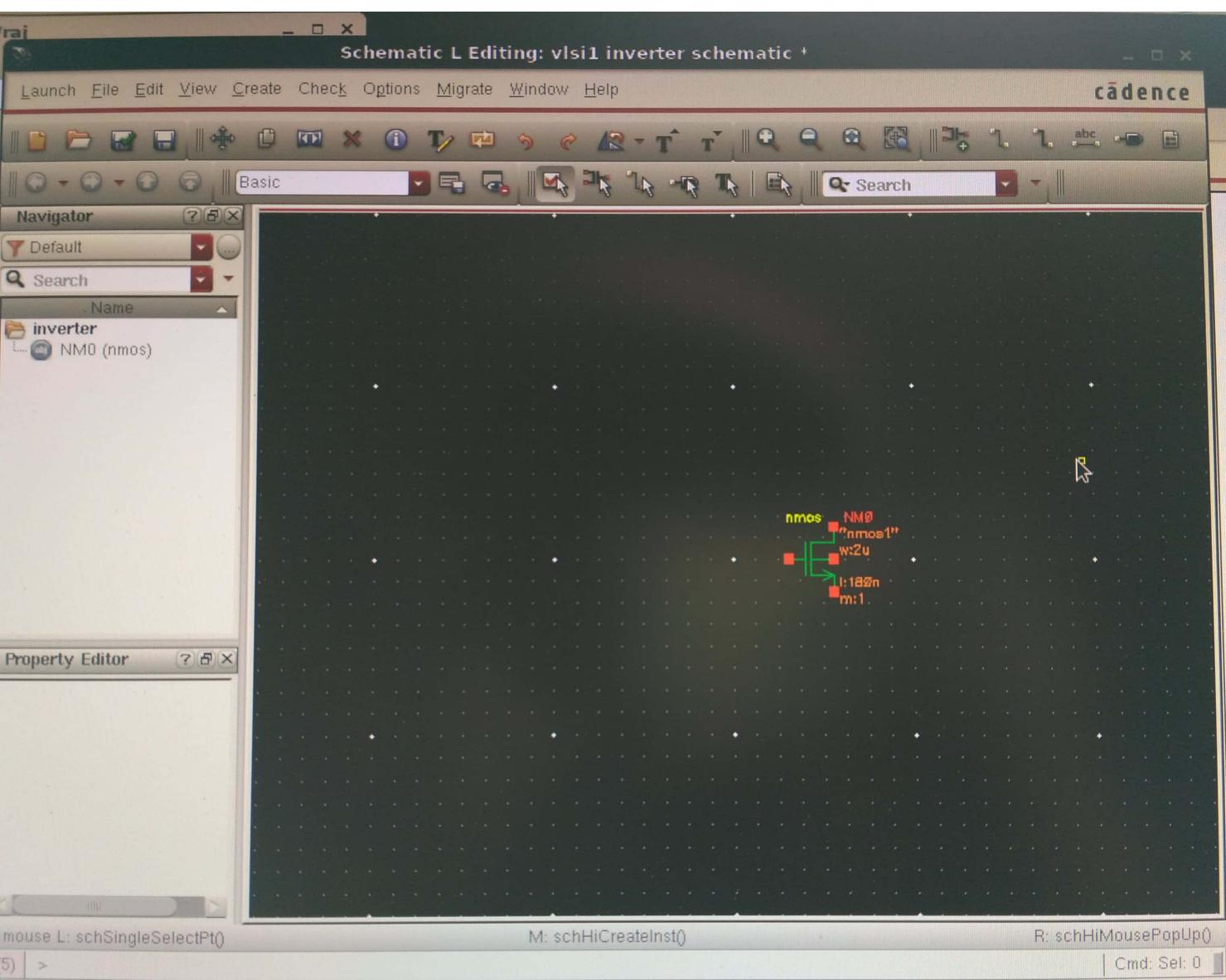
symbol

View	Lock	Size
ads		19k
auCdl		19k
auLvs		19k
ivpcell		22k
layout		77k
spectre		19k
symbol		19k

#### Messages

Log file is "/root/Desktop/rajes/libManager.log".

Lib: gpdk180 Free: 736.02G



# Schematic L Editing: vlsil inverter schematic \*

File Check Options Migrate Window Help

### Add Instance

Library: gpdk180

Cell: nmos

View: symbol

Names:

Add Wire Stubs at:  
 all terminals  registered terminals only

Array: Rows:  Columns:

Model Name:	nmos1
Multiplier:	1
Length:	180n M
Total Width:	2u M
Finger Width:	2u M
Fingers:	1
Threshold:	800n M
Apply Threshold:	<input type="checkbox"/>
Gate Connection:	<input checked="" type="radio"/> None <input type="radio"/> Top <input type="radio"/> Bottom <input type="radio"/> Both <input type="radio"/> Alternate
S/D Metal Width:	400n M
Switch S/D:	<input type="checkbox"/>

M: Rotate 90

R: schHiMou

Cmd: Instance

# Schematic L Editing: vlsi1 inverter schematic \*

File Check Options Migrate Window Help

### Add Instance

Library: gpdk180

Cell: pmos

View: symbol

Names:

Add Wire Stubs at:  
 all terminals  registered terminals only

Array: Rows: 1 Columns: 1

Model Name: pmos1

Multiplier: 1

Length: 180n M

Total Width: 2u M

Finger Width: 2u M

Fingers: 1

Threshold: 800n M

Apply Threshold:

Gate Connection:  None  Top  Bottom  Both  Alternate

S/D Metal Width: 400n M

Switch S/D:

M: Rotate 90

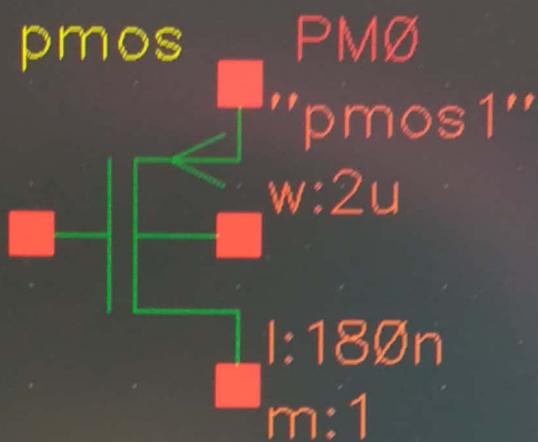
R: s

stance.

Cma

Schematic L Editing: vlsi1 inverter schematic \*

File Migrate Window Help



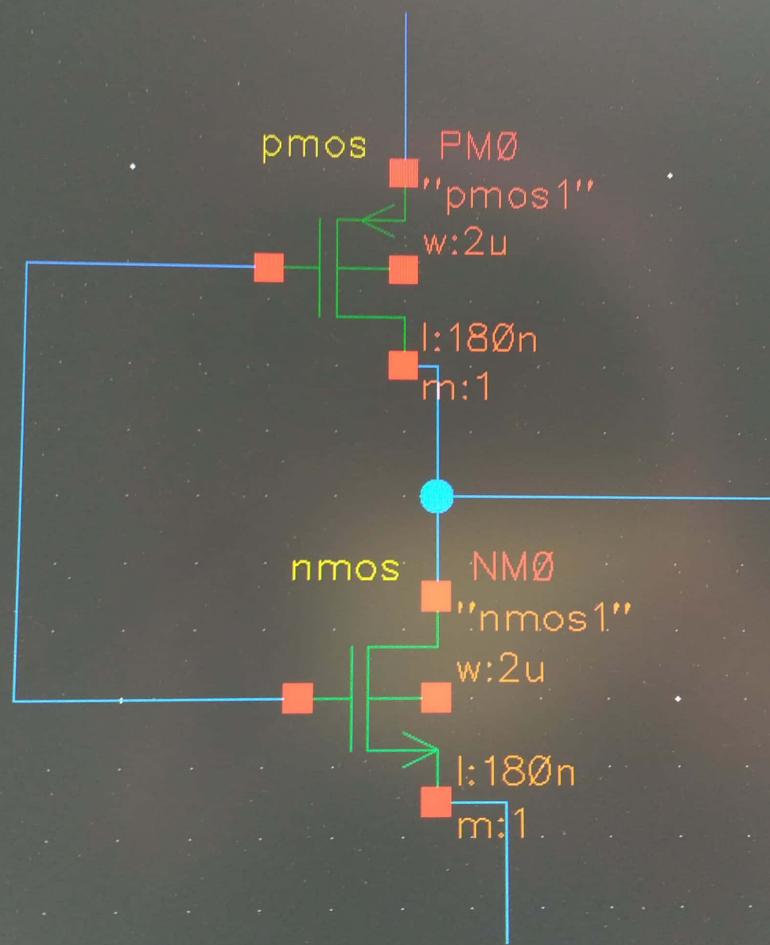
M: schZoomFit(1.0 0.9)

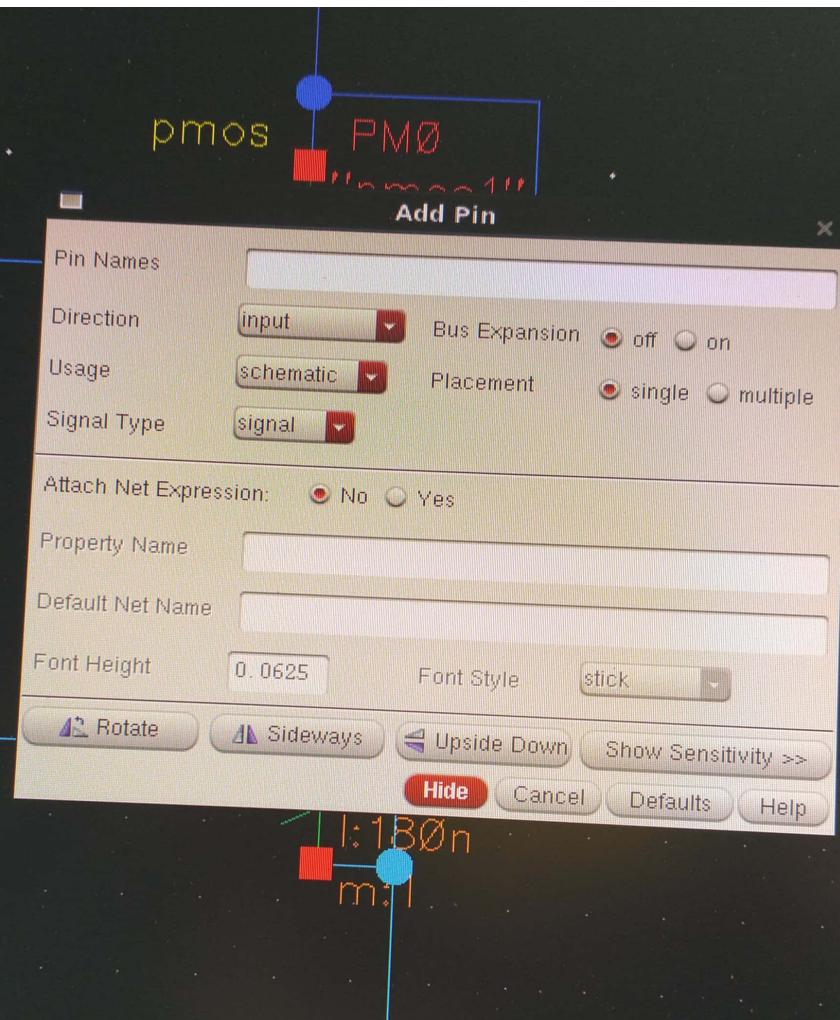
R: schHiMouse

uoso]

inverter \*

DELL



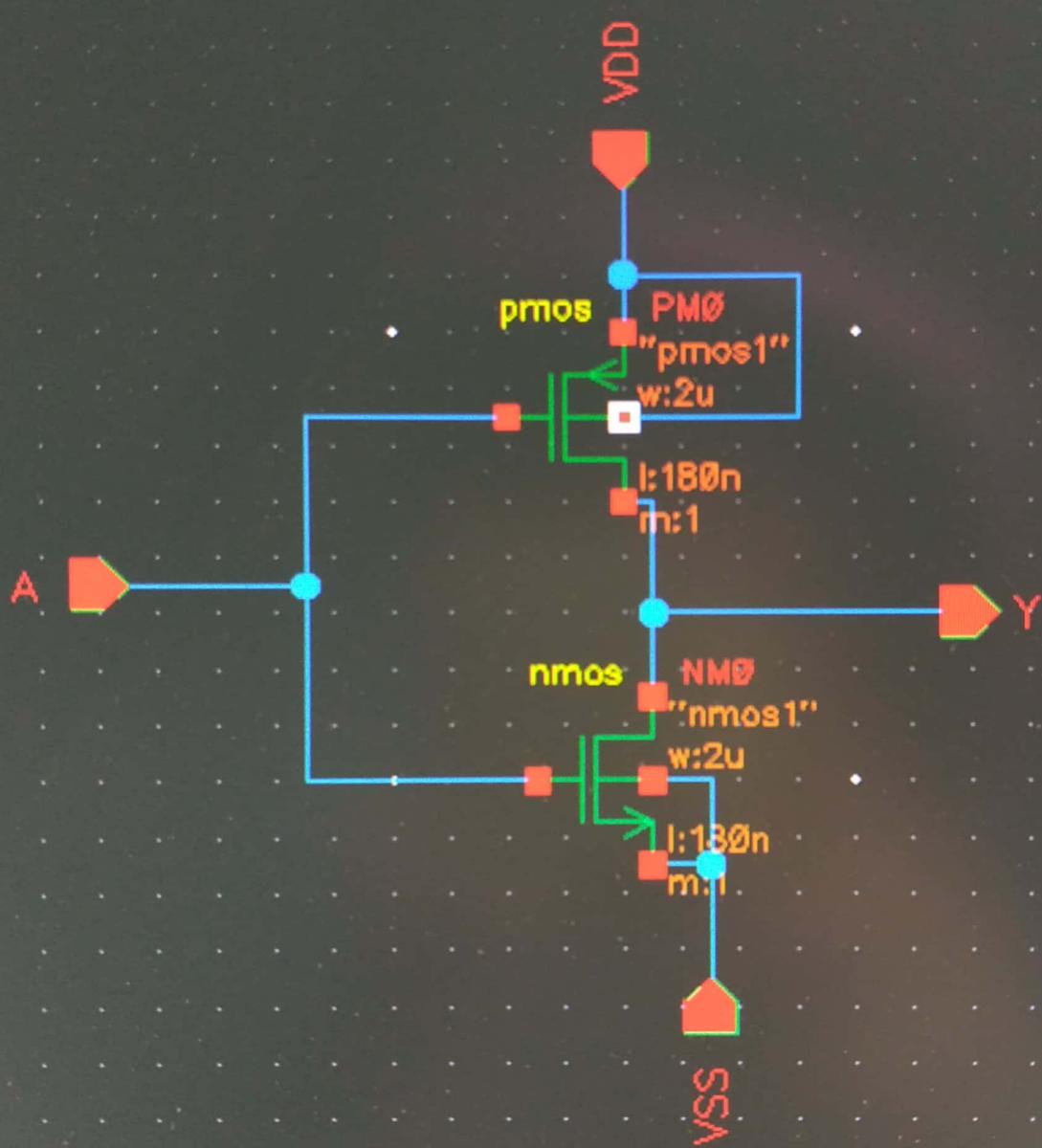


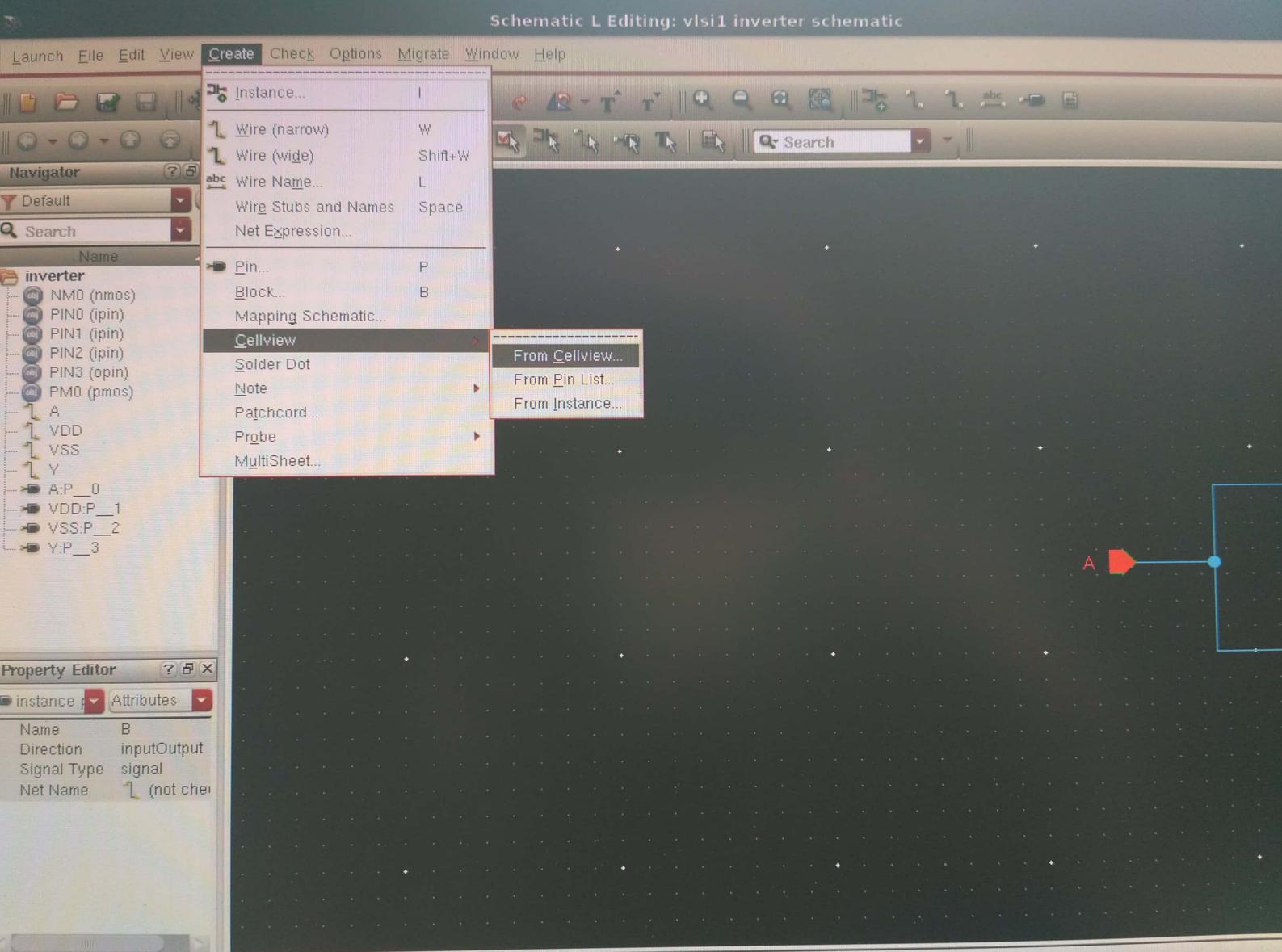
M: Rotate 90

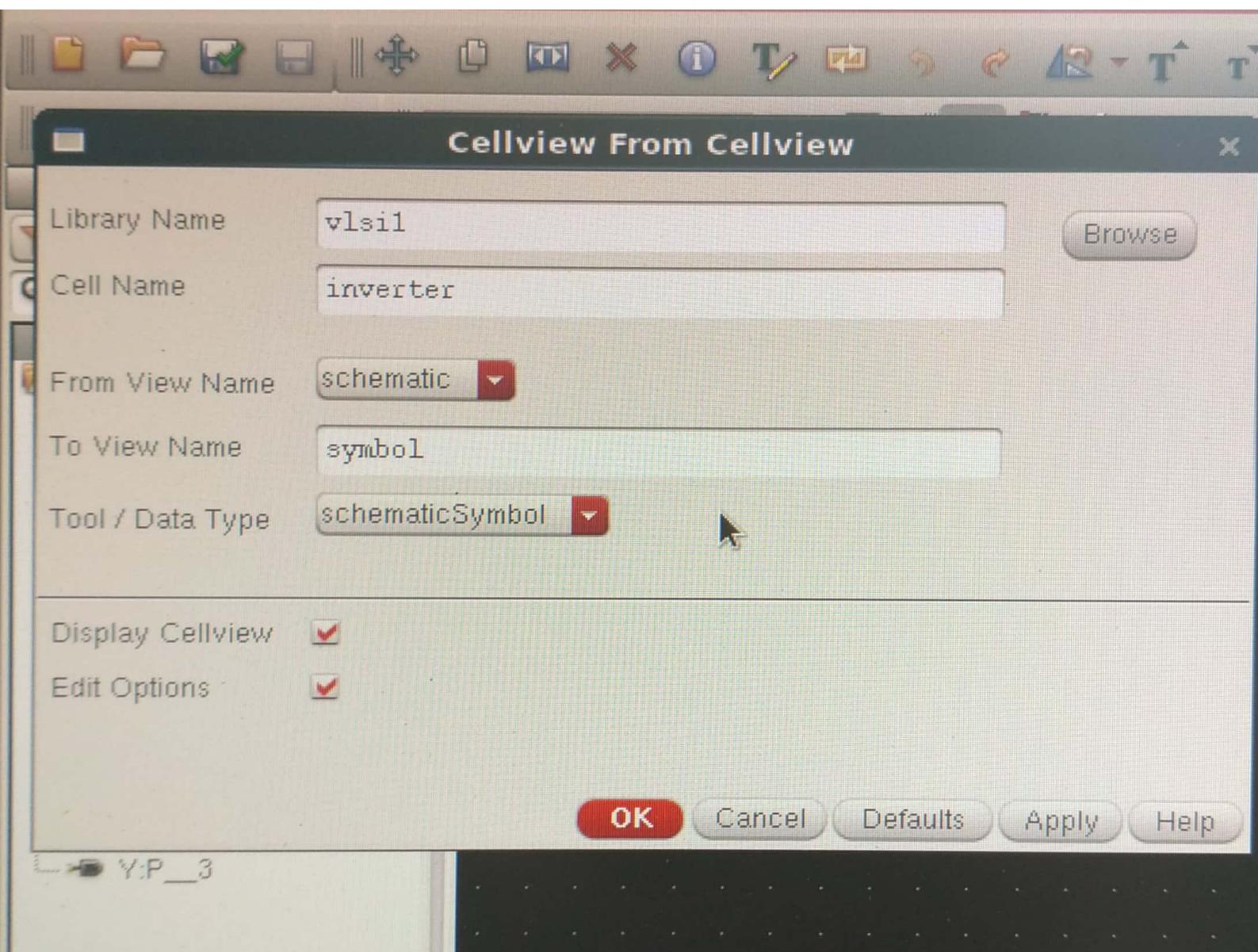
25:~/Desktop/

[virtuoso]

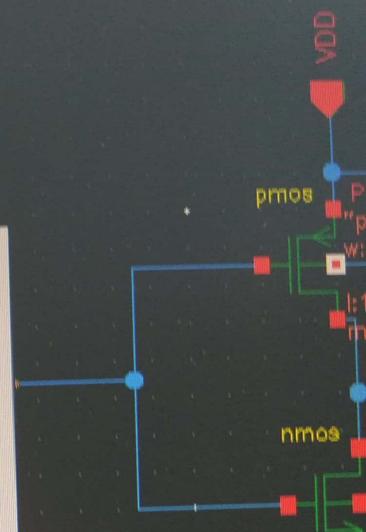
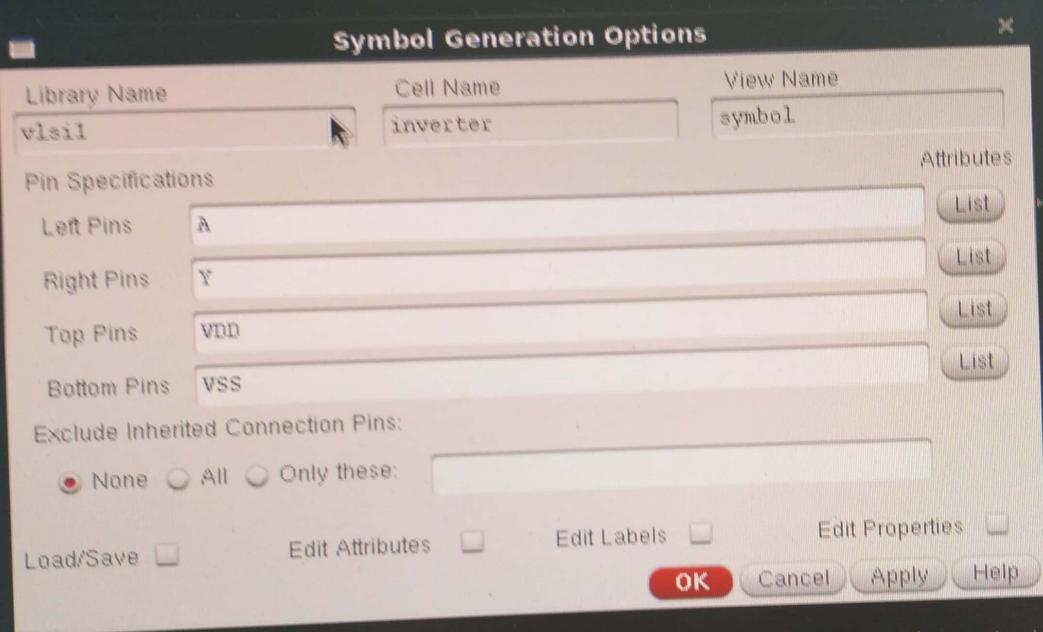
inverter \*







Y:P\_3



M: Rotate 90

R: schHiMod

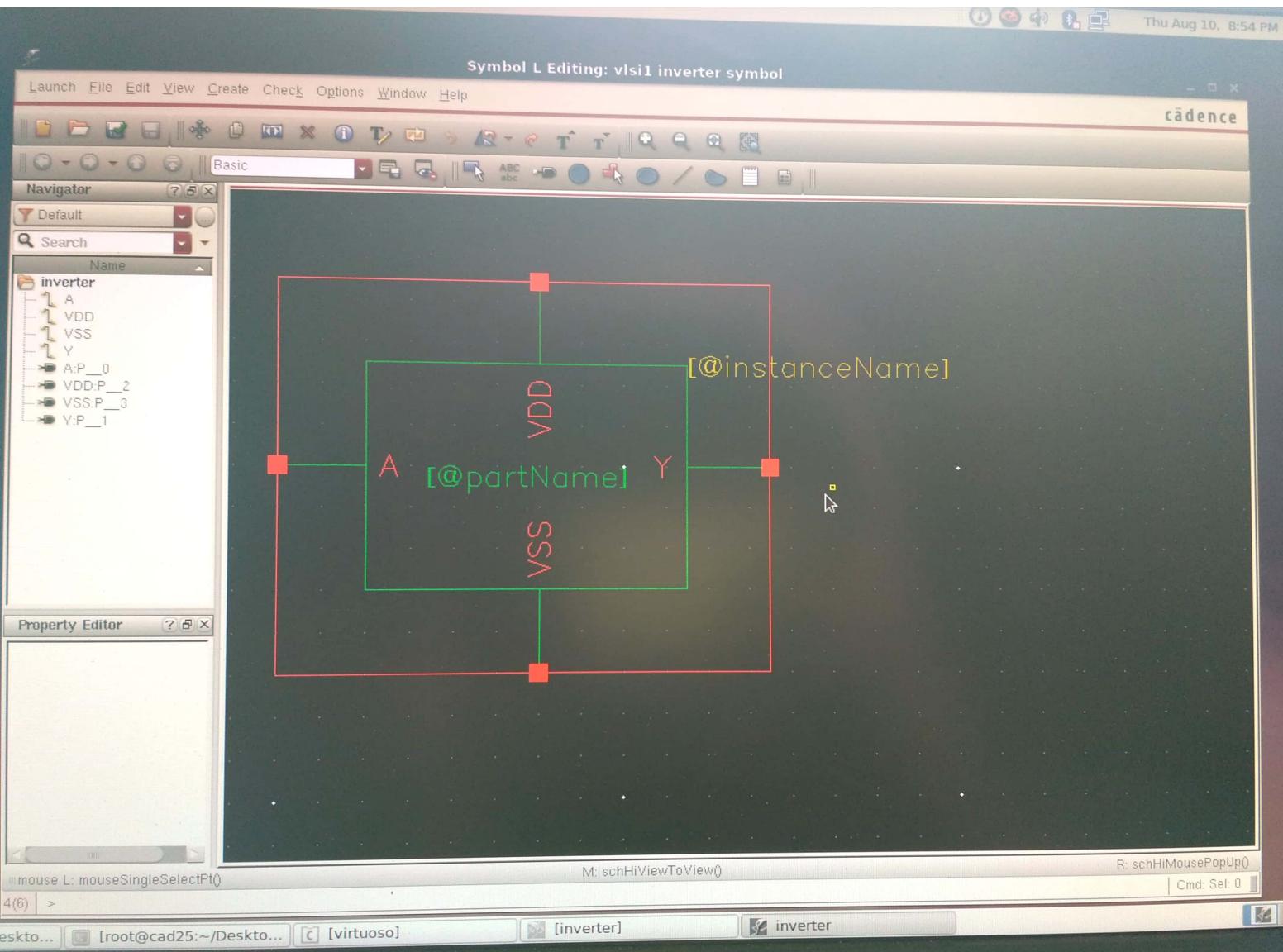
| Cmd: P

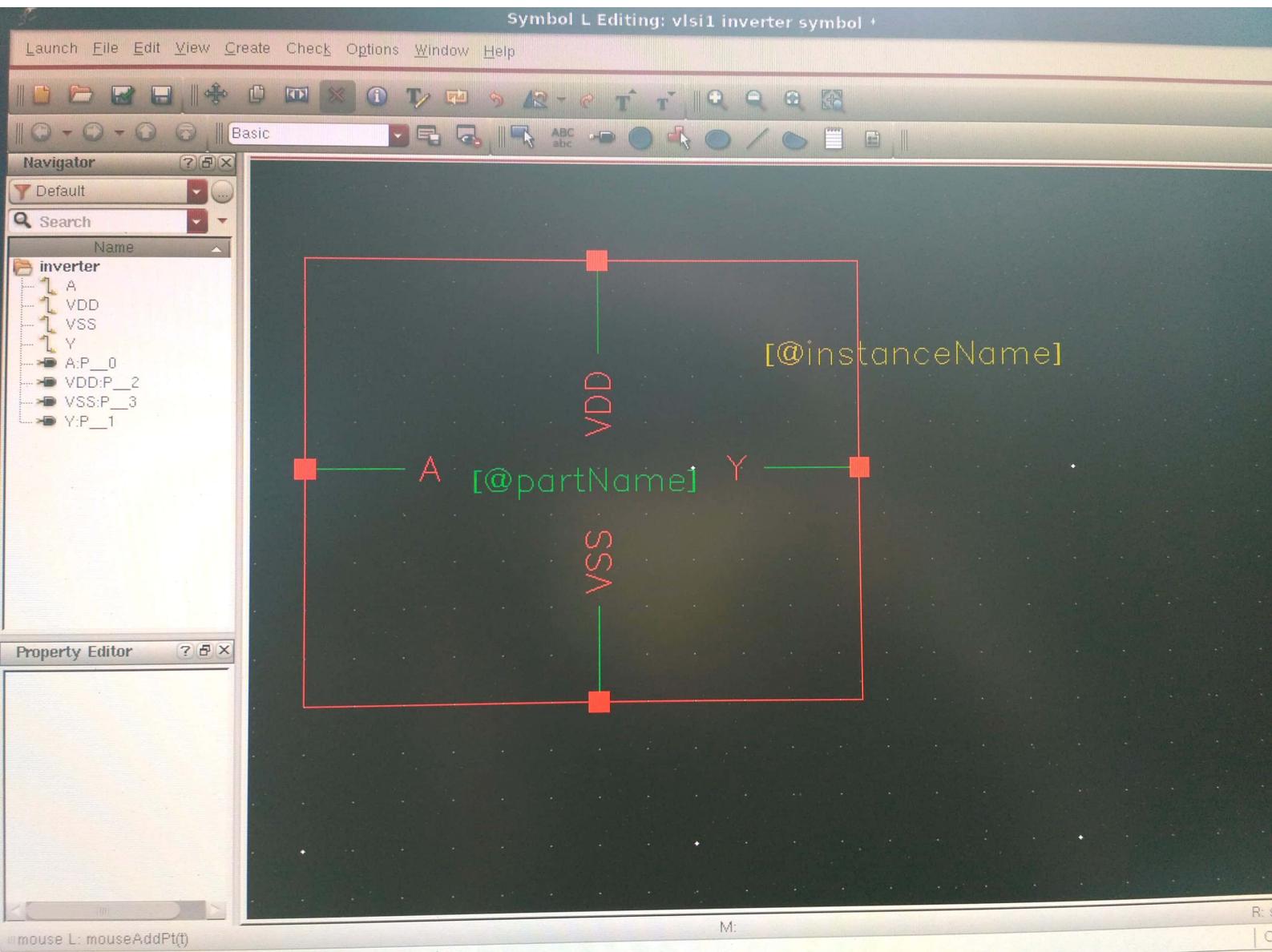
inal names for the pins.

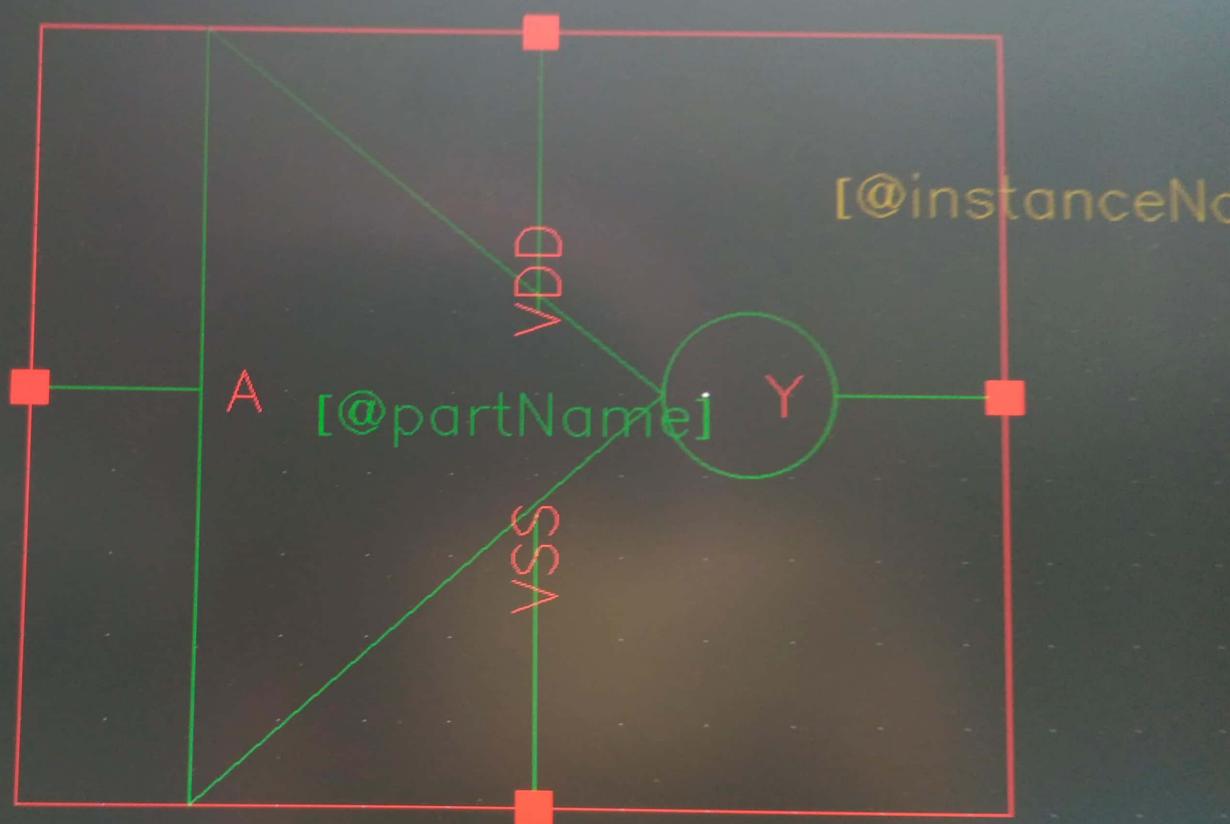
[virtuoso]

inverter

Symbol Generation Op...







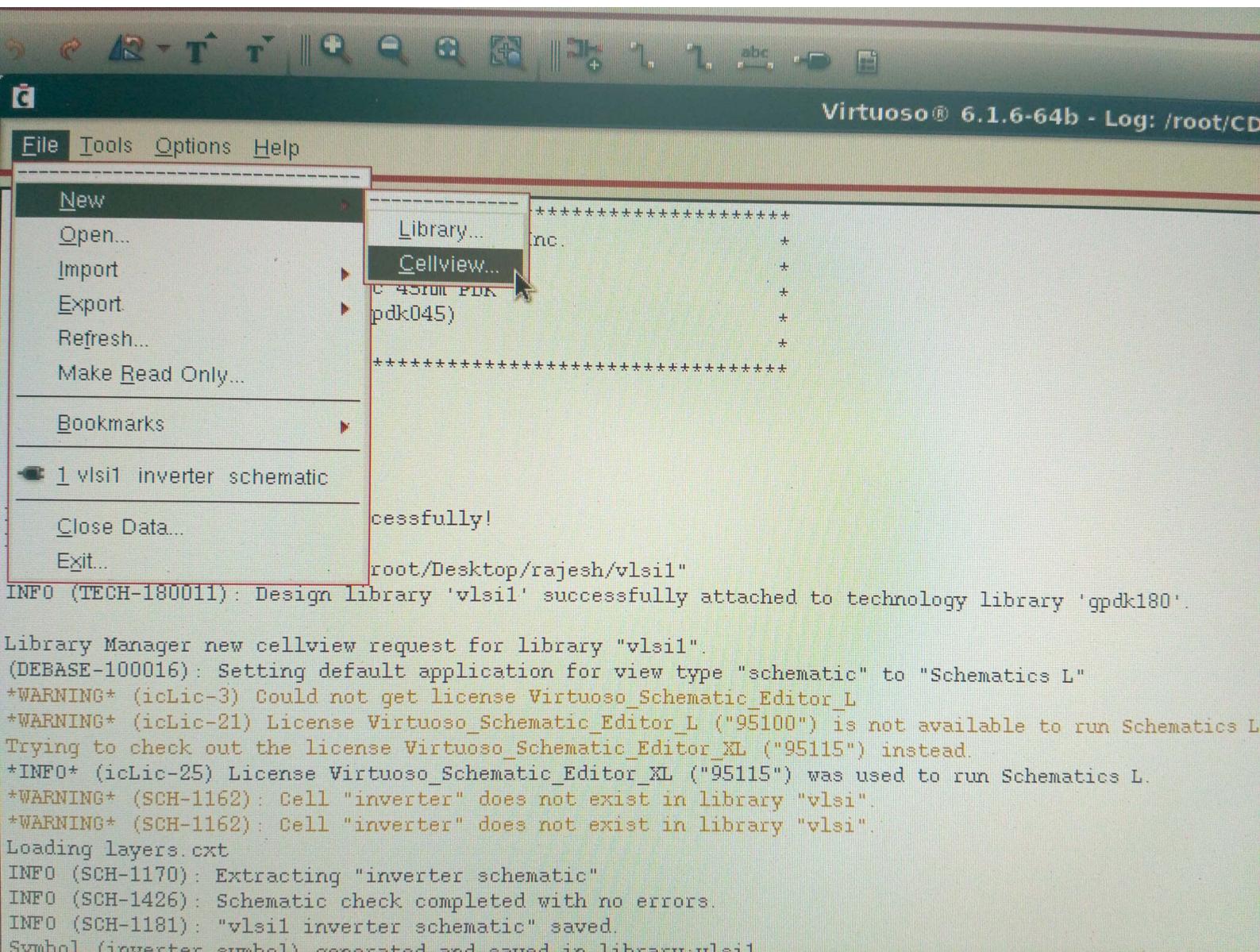
M: schZoomFit(1.0 0.9)

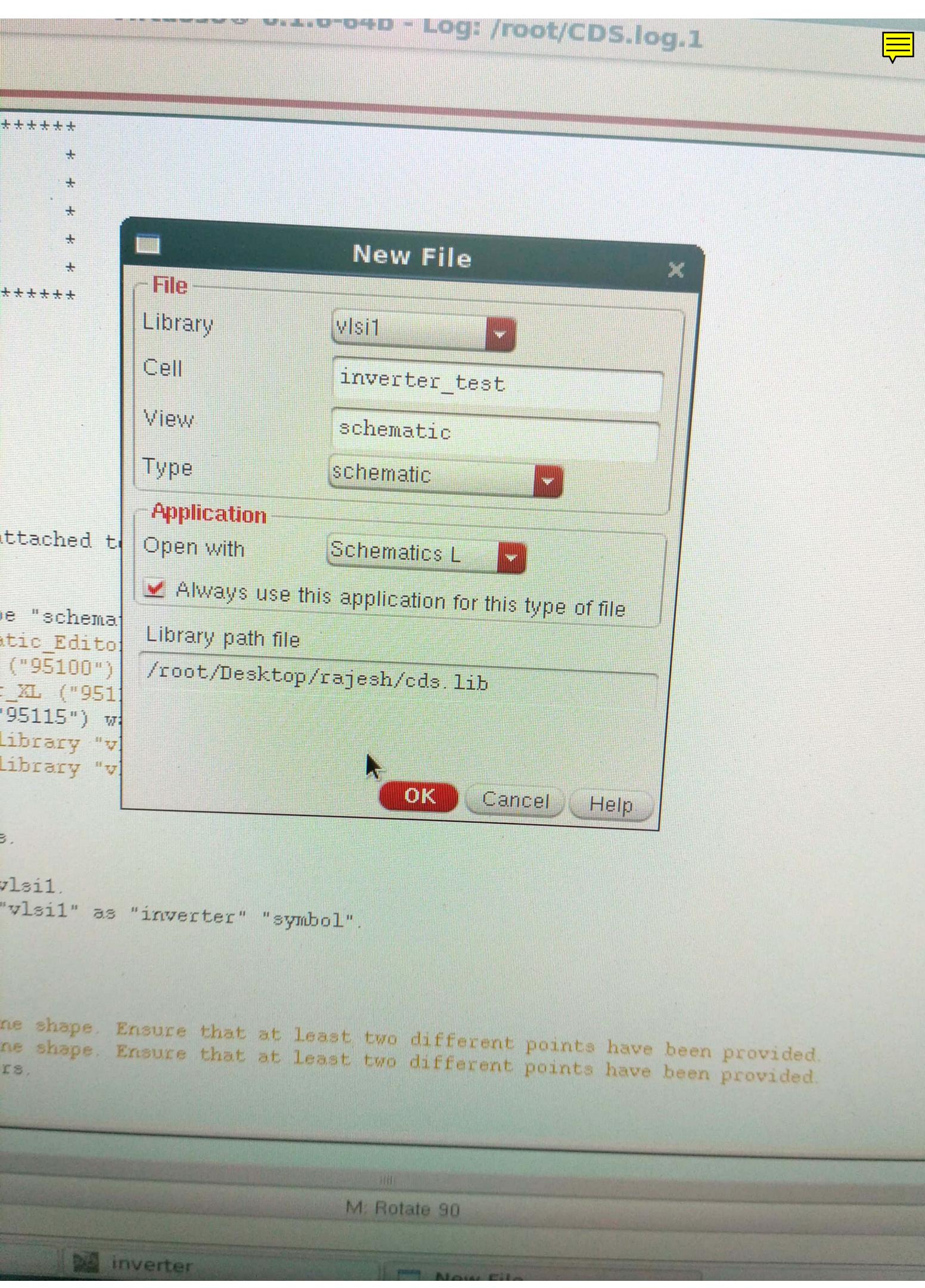
R: schHiMousePopU

Desktop... [virtuoso]

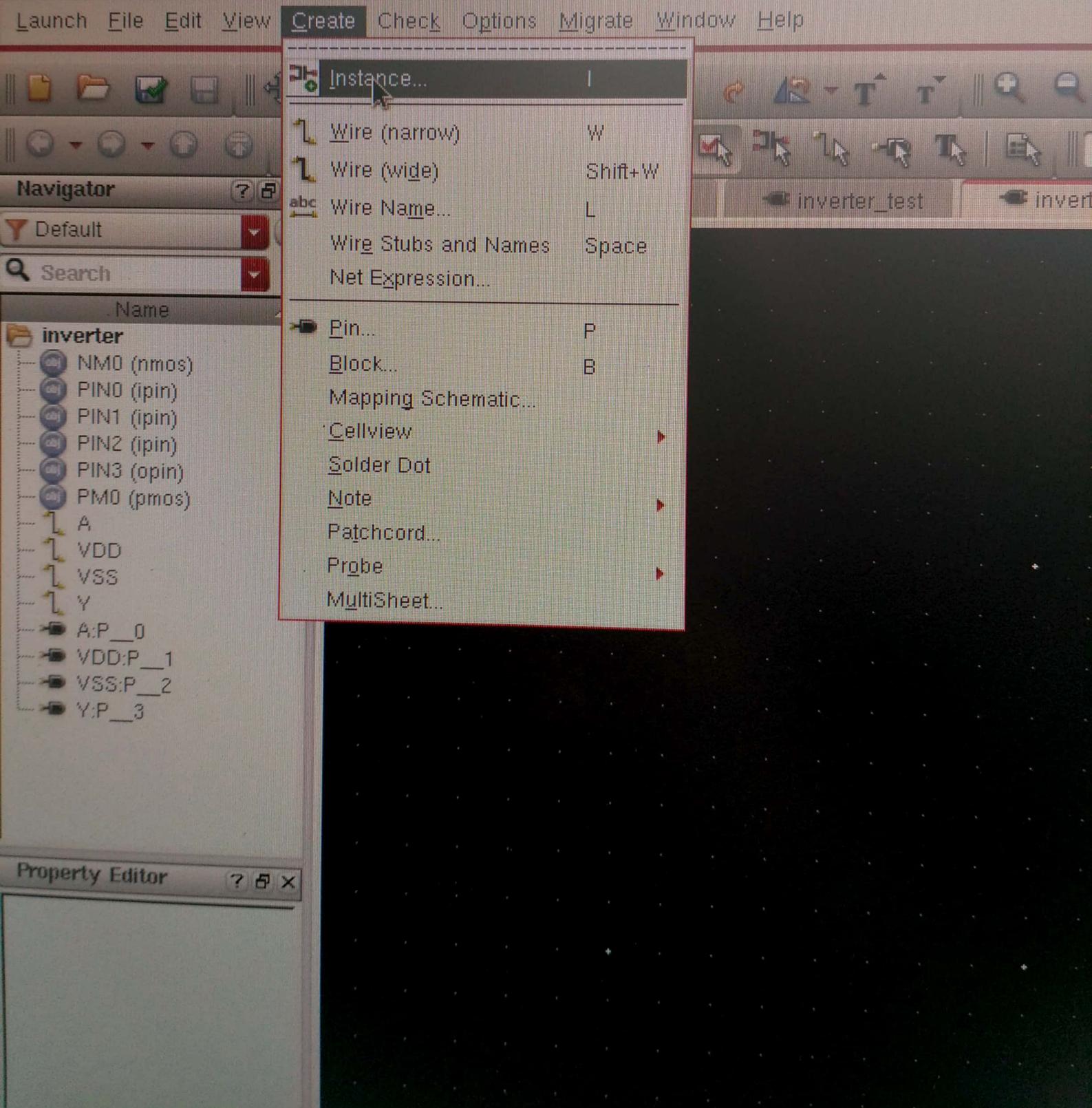
[inverter]

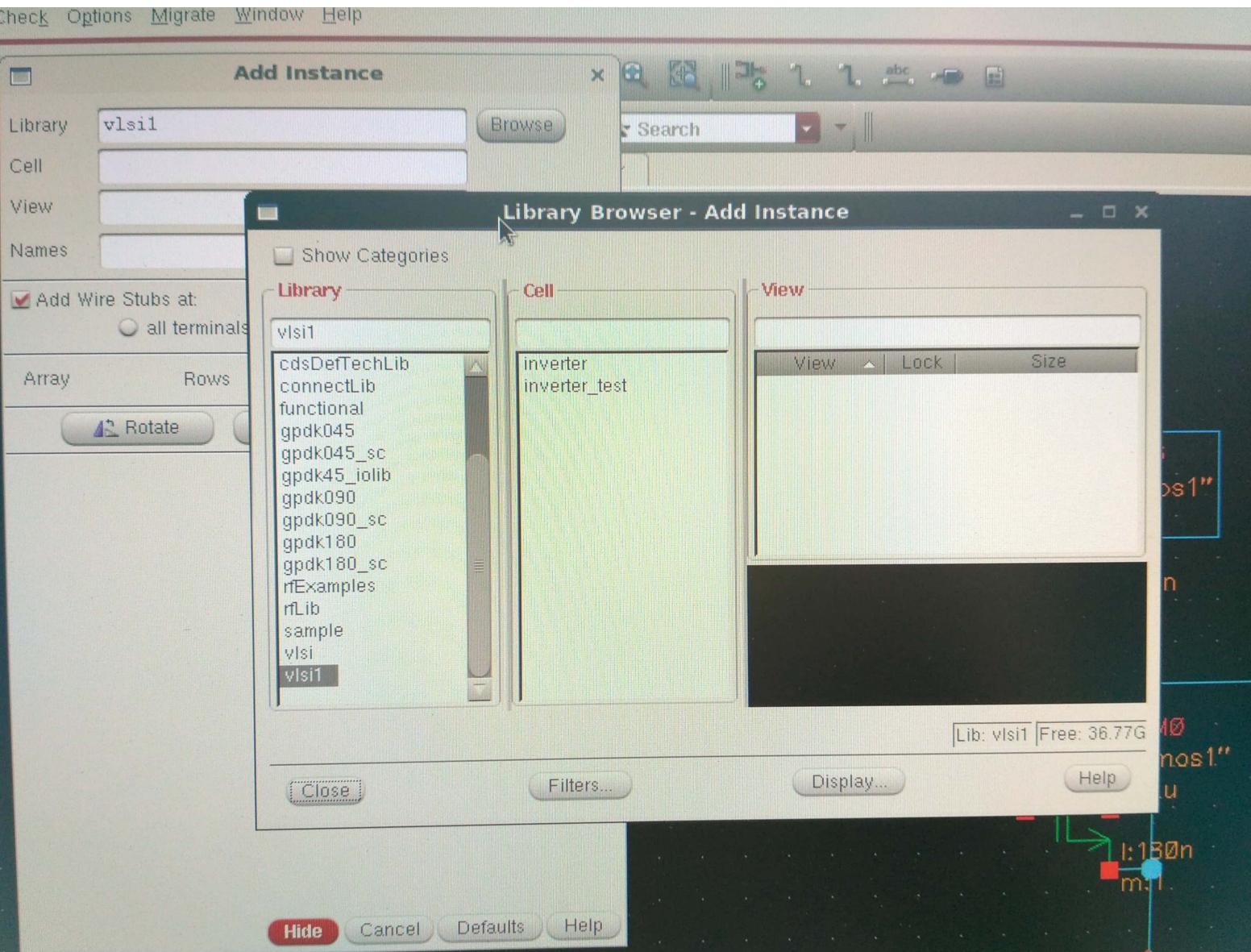
inverter \*





# Schematic L Editing: vlsi1 inv







## Edit Object Properties

Apply To

only current

instance

Show

 system user CDF

Browse

Reset Instance Labels Display

Property

Value

Display

Library Name

analogLib

off

Cell Name

vdc

off

View Name

symbol

off

Instance Name

v0

off

Add

Delete

Modify

User Property

Master Value

Local Value

Display

lvslgnore

TRUE

off

CDF Parameter

Value

Display

Noise file name

off

Number of noise/freq pairs

0

off

DC voltage

1.8

off

AC magnitude

off

AC phase

off

XF magnitude

off

PAC magnitude

off

PAC phase

off

Temperature coefficient 1

off

Temperature coefficient 2

off

Nominal temperature

off

OK

Cancel

Apply

Defaults

Previous

Next

Help

M: schHiObjectProperty()