

## Abstract View Generation

Example shown is for inverter. It's better if you generate Abstract view after you are done drawing all layouts of project 4.

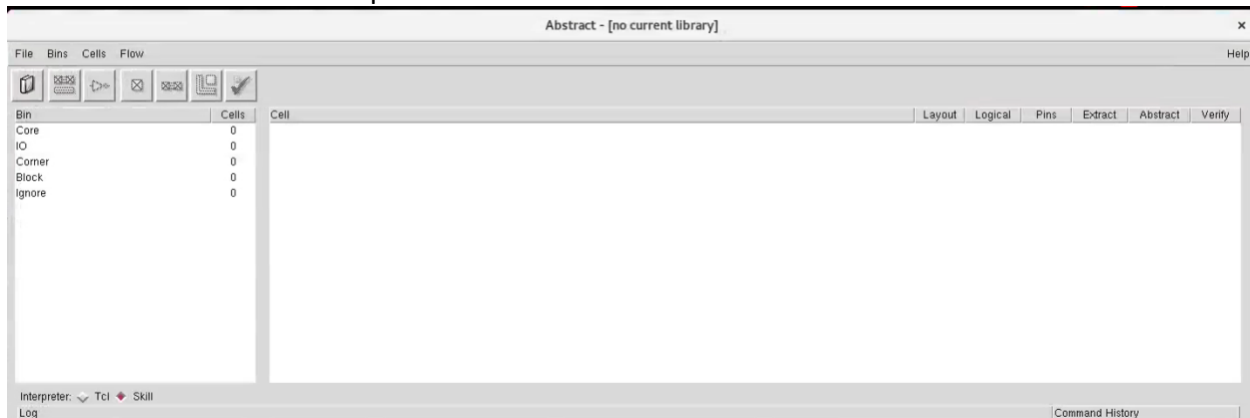
1) After opening Virtuoso in your terminal, type "abstract &" in the same terminal.

```
{engnx10:~/cad/gf65} virtuoso &  
[1] 20225  
{engnx10:~/cad/gf65} WARNING: HOST <engnx10.utdallas.edu> DOES NOT APPEAR TO BE A CADENCE SUPPORTED LINUX CONFIGURATION.  
For More Info, Please Run '<cdsroot>/tools.lnx86/bin/checkSysConf' <productId>.
```

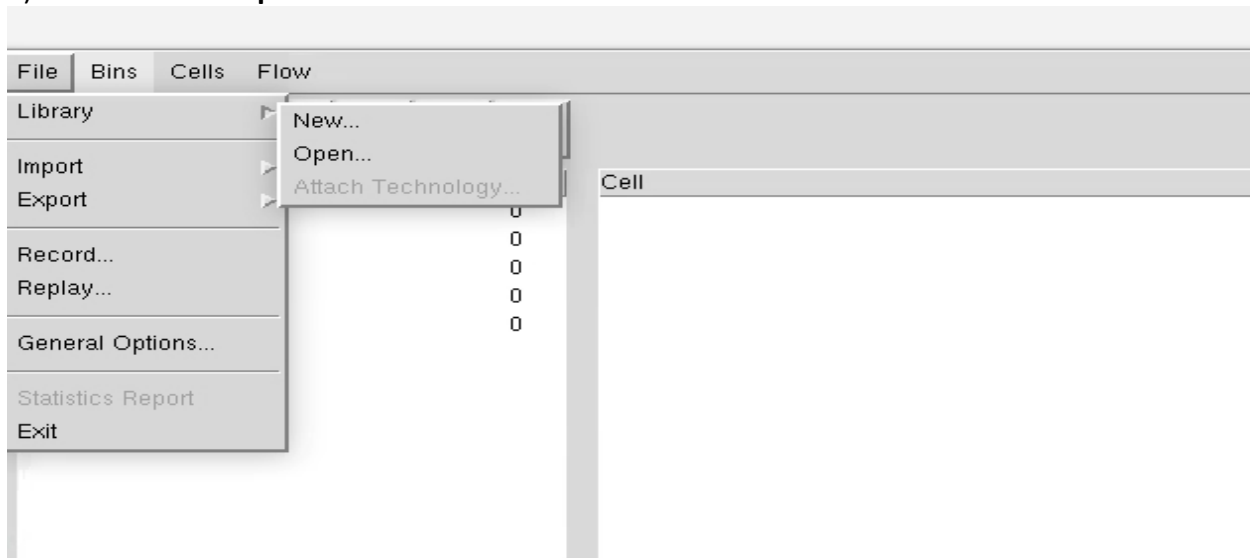
```
*WARNING* file /home/eng/v/vks160030/CDS.log cls: Unable to connect to clsbd on host "engnx01.utdallas.edu".  
Check if clsbd is running on the host. If the host is not valid remove  
the ".cdslck" lock file. The connect timeout length can be set using  
the CLS_CLSBD_CONNECT_TIMEOUT environment variable.
```

```
abstract &
```

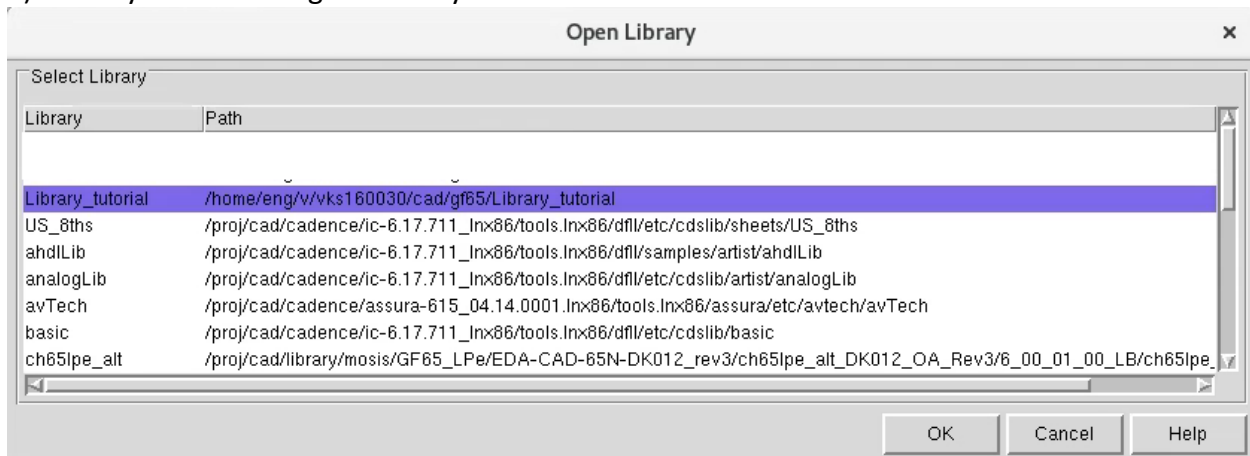
The window shown below opens



2) Click on **File -> Open**

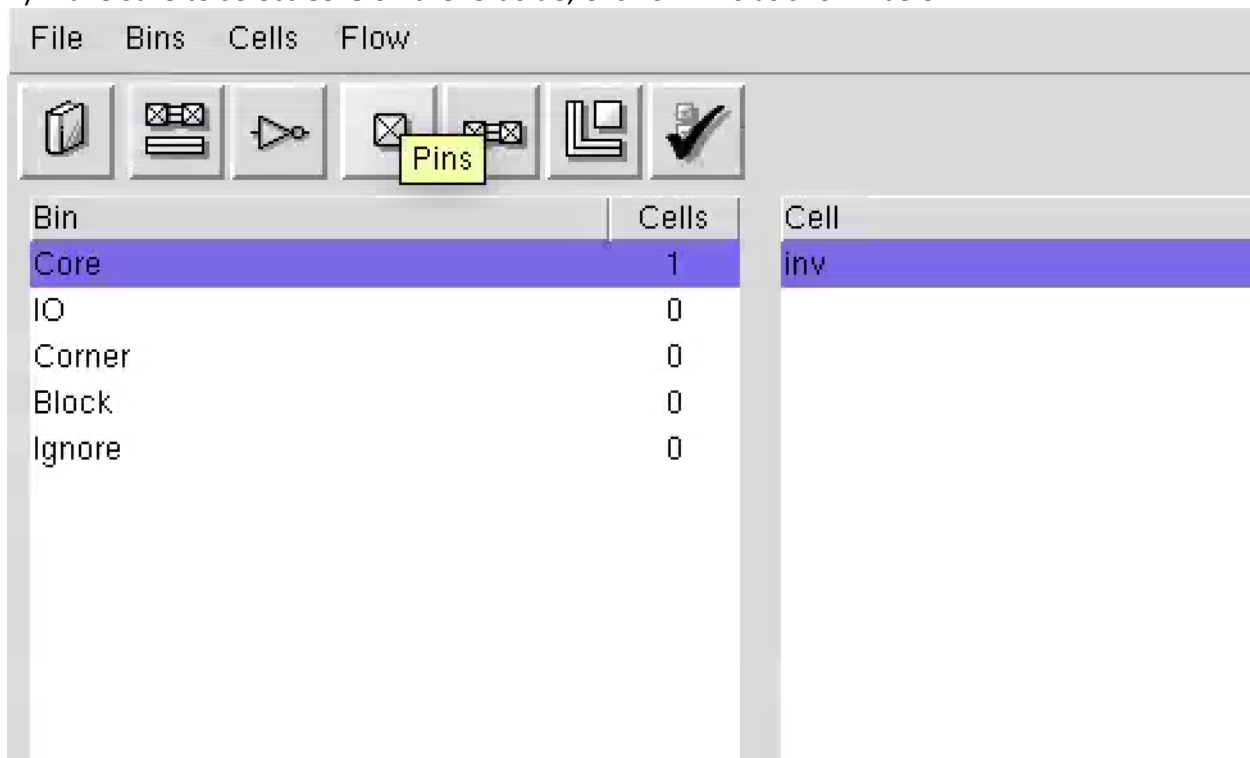


### 3) Select your own designed library



Click **OK**

### 4) Make sure to select **Core** on the left side, Click on **Pins** as shown below



Following window pops up

Running step Pins for the selected cell(s)

Step

Pins

Map

Text

Boundary

Blocks

Map text labels to pins:

(M2 M2) (M1 M1)

Power pin names (regular expressions):

^(V(DD|CC))|(v(dd|cc))(!)?\$

Ground pin names (regular expressions):

^(VSS|GND)|(vss|gnd)(!)?\$

Clock pin names (regular expressions):

Analog pin names (regular expressions):

Output pin names (regular expressions):

OUT

Exclude existing terminals (regular expressions):

Exclude existing pins on layer:

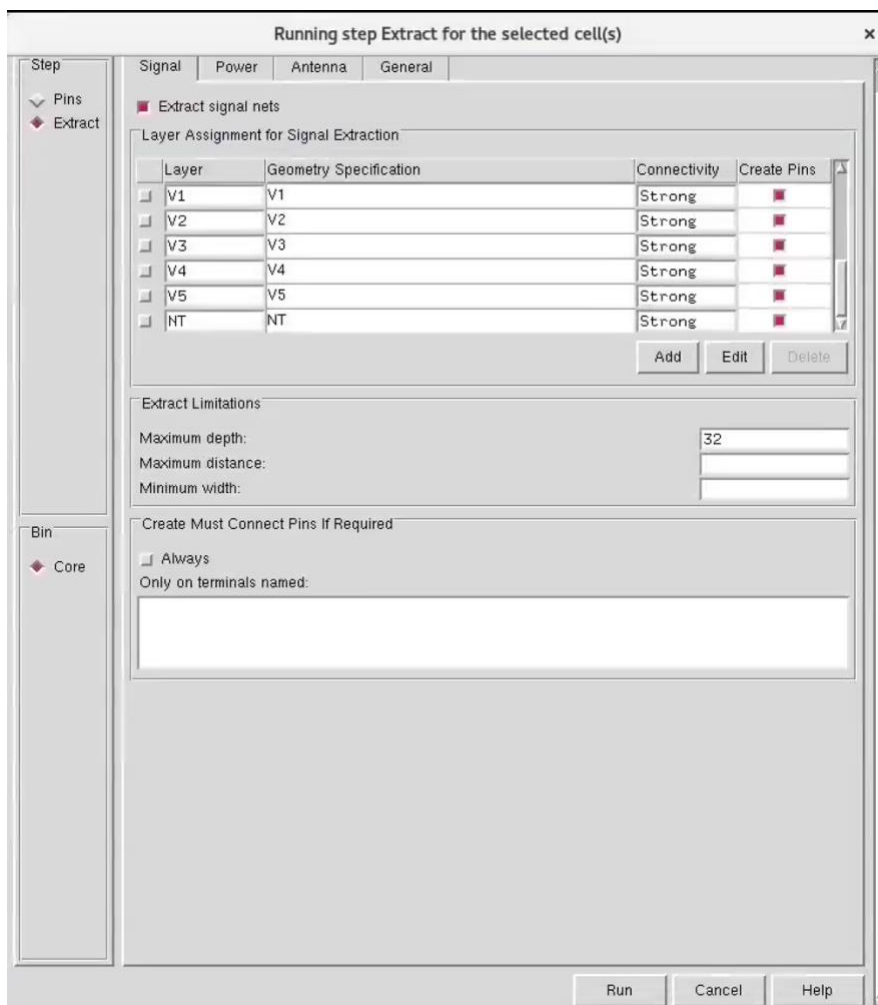
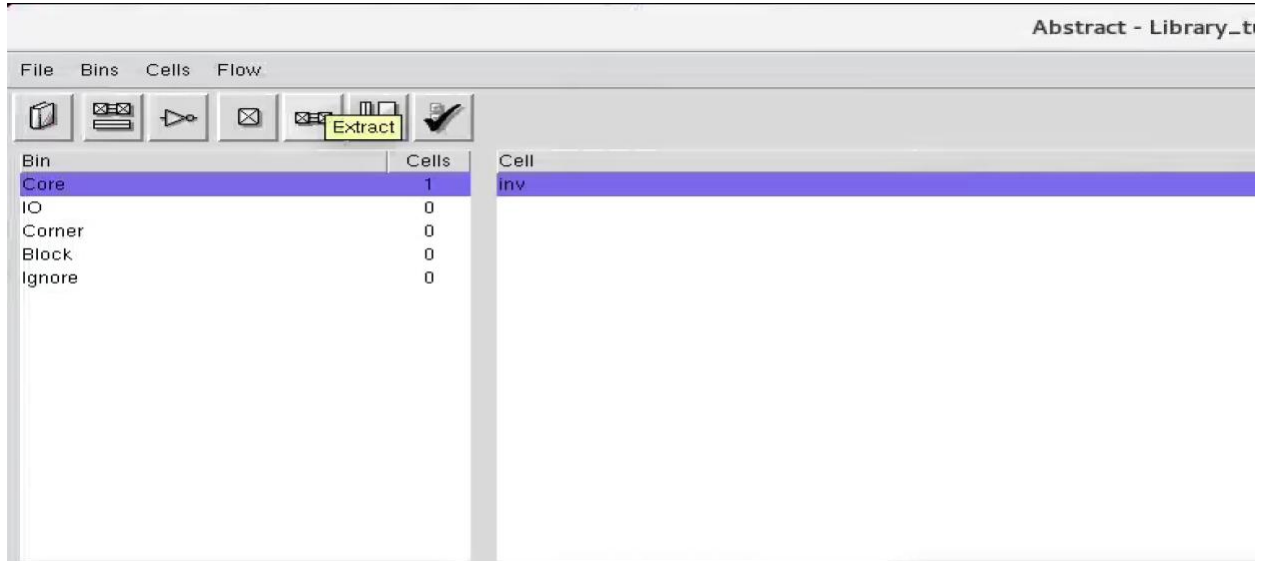
Specify the top metal layer for cover blockage:

Run Cancel Help

Click **Run**

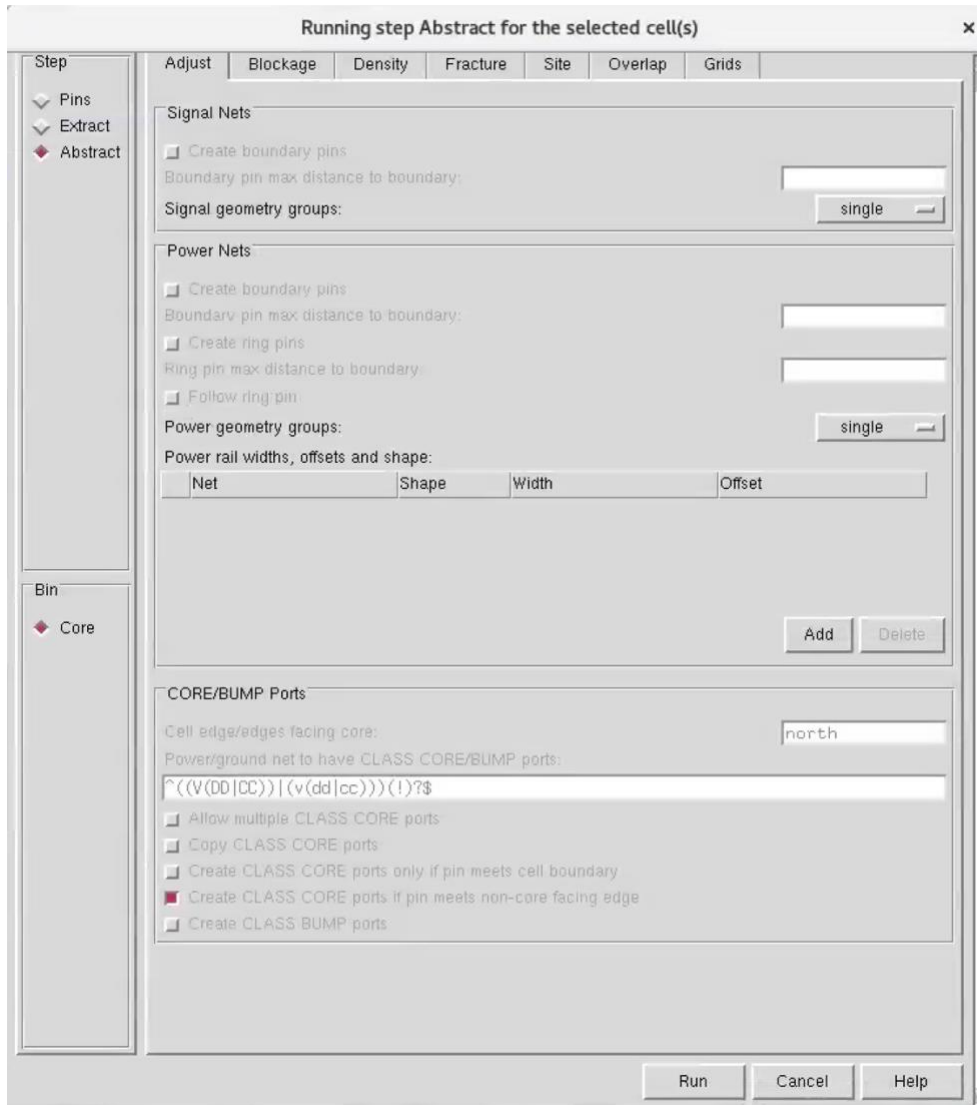
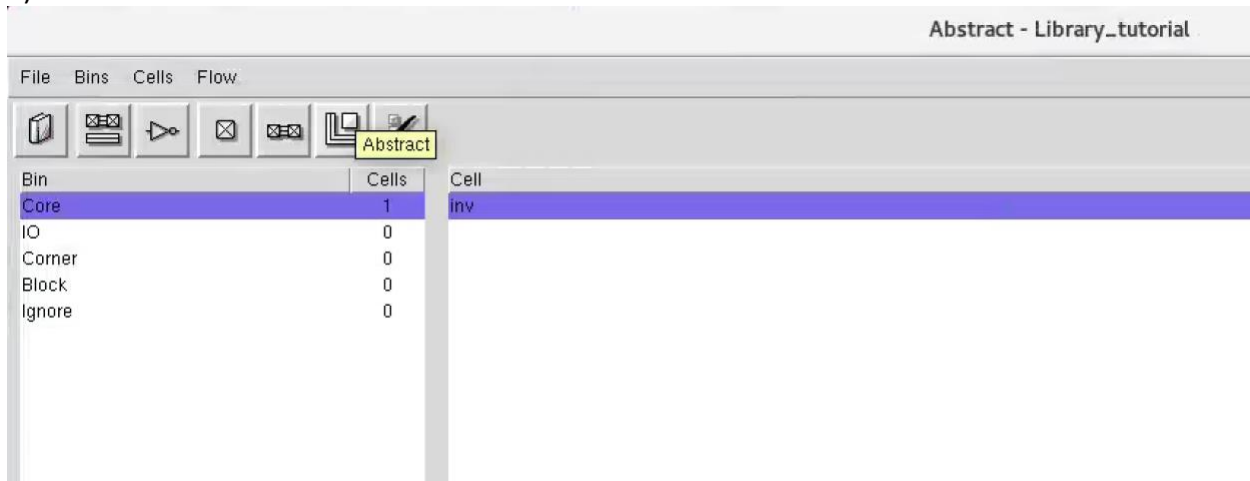
Ignore the warnings.

## 5) Click on **Extract**



Click **Run**

## 6) Click on **Abstract**



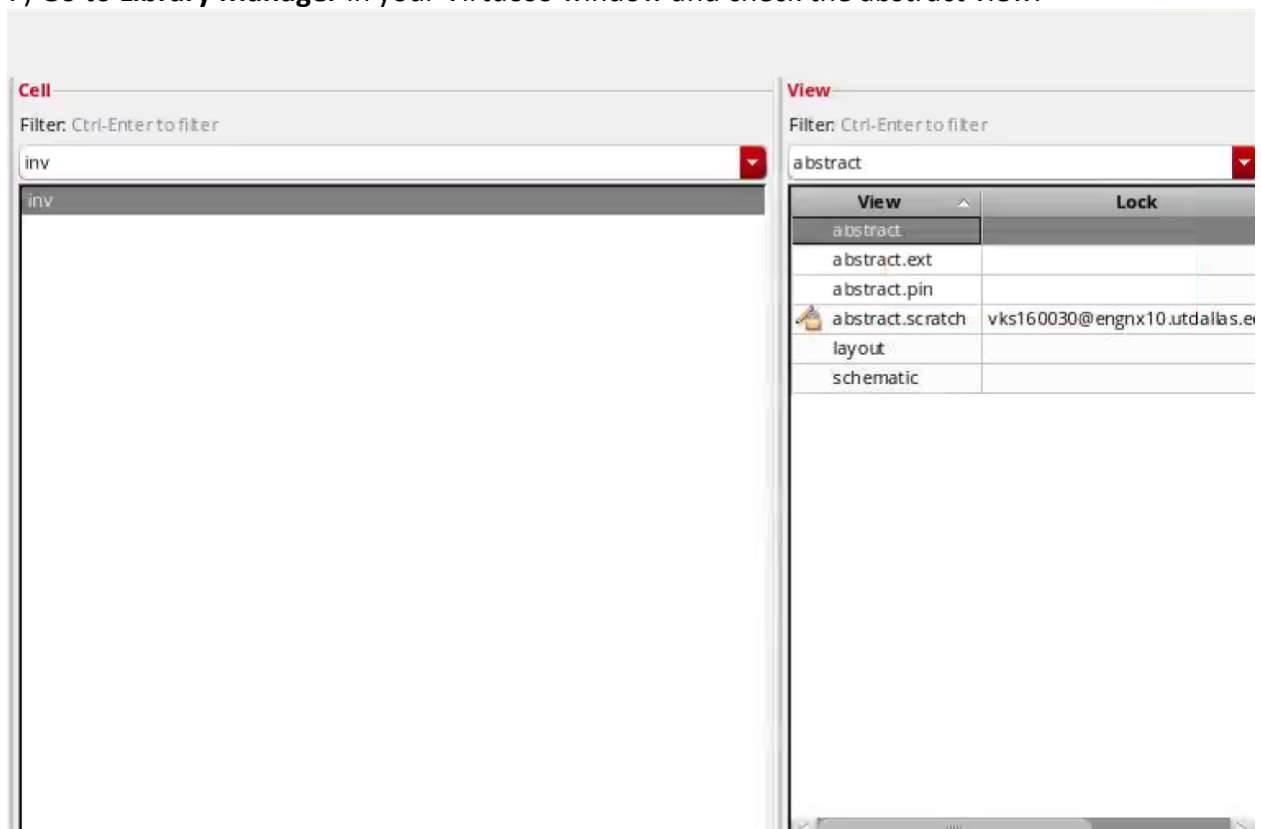
Click **Run**

After completing Abstract generation, this is how the window looks:



Ignore all warnings.

7) Go to **Library Manager** in your Virtuoso window and check the abstract view.



8) Your abstract should look similar to the one shown below

