LABS AND PRACTICALS

- Got started seeing Kunal sirs videos and downloaded the Vdi file and virtual box
- Listened to day 1 theory and did the following labs



0.1084296853993009 × 100 = 10.84296853993009 1613 ÷ 14876 = 0.1084296853993009

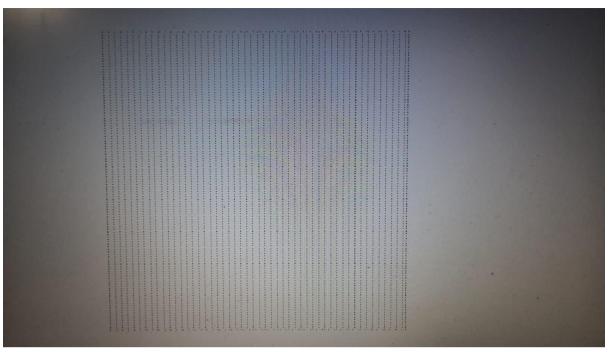
found the flop ratio by dividing DFF by no. of cells

• Learnt to open terminals and other shortcut keys for Linux

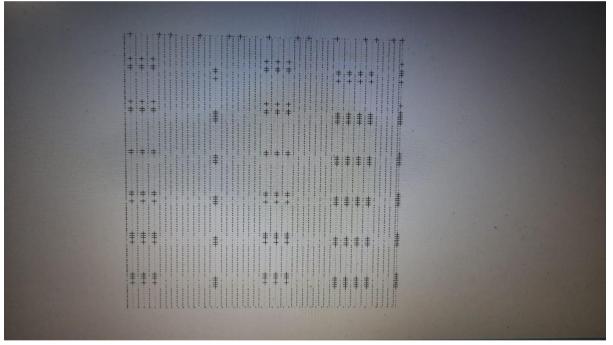
• Ran synthesis after Openlane. observed new runs folder and merged lef

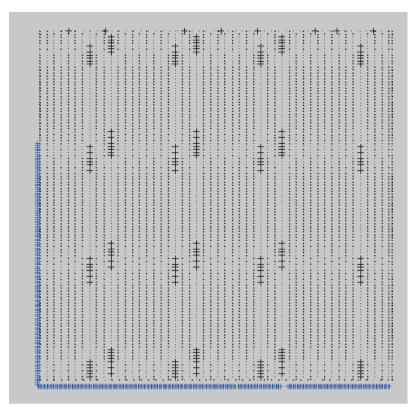
```
volucergy-adequadron:-/Desktop/work/tools/openlane_working_dfr/openlane/designs/picorv32a/runs/31-01_04-54$ ls -ltr
total 32
-racr_arr_x 1 vsduser vaduser 170 Jun 28 201 PM_SOURCES
draxr_arr_x 11 vsduser vaduser 4009 and 31 10:24 reports
draxr_arr_x 11 vsduser vaduser 4009 and 31 10:24 reports
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• Learnt to run the floorplan and use magic

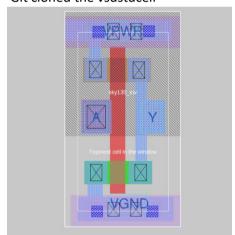


Reviewed floorplan layout in magic and started congestion aware placement





- Abutment
- Git cloned the vsdstdcell



- The green is n diffusion and brown is p diffusion
- How to use tkcon

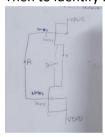
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% what
Selected mask layers:
nwell ( Topmost cell in the window )
%
```

DRC lab

```
### SPICES TITLE CONSTRUCT TON SAYSMILTON ARE T RECEIVED AND THE STATE OF THE STATE OF THE SPICES AND THE STATE OF THE ST
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Extracting spice netlist given above

• Then to identify connections



 Next task to connect VGND to VSS [a ground] and supply voltage to be connected from VPWR to VGND for transcend analysis to take place AS ILLUSTRATED



We must follow the steps for the above required

```
Firefox Web Browser. Terminal Help

* SPICES file created from sky130_inv.ext - technology: sky130A

.option scale=0.01u
.include ./ltbs/pshort.ltb
.include
```

