

Exercise18 (APR of telemetry.sv)

Have you:

- Performed synthesis on **telemetry.sv** to generate **telemetry.vg**?
- Also written a Synopsys Design Constraints file (**.sdc**) as part of your synthesis script?
- **Watched the APR video?**

If so:

- Open up the **APR_tutorial.pdf** file under the “Tutorials” part of the Canvas page.

This exercise is to be done with the same person you did Exercise 14 with

ABCDEFGHIJKLMNOPQRSTUVWXYZ

00000000000111111111222222

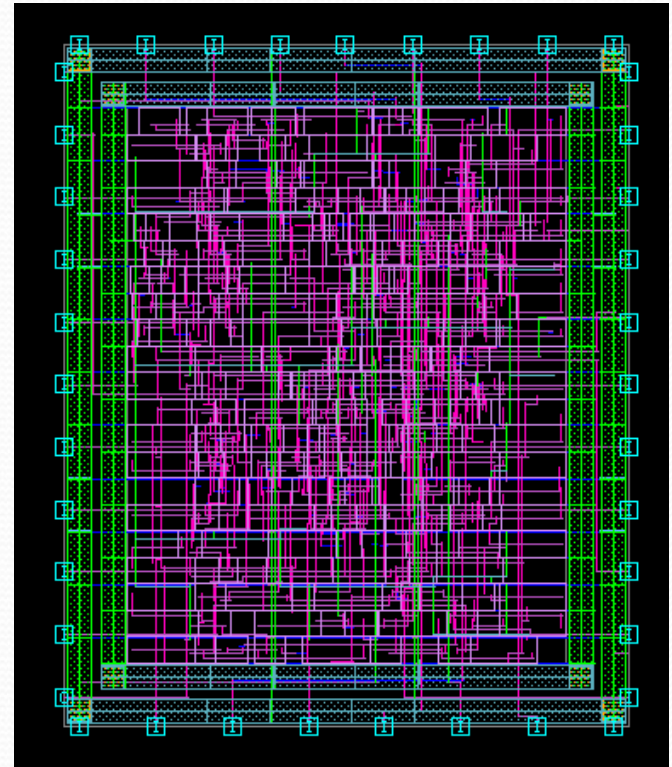
12345678901234567890123456

Add up the “value” of the first letter of each persons last (family) name. If Wangnan Zhong and I were working together that would be $H + Z = 8 + 26 = 34$

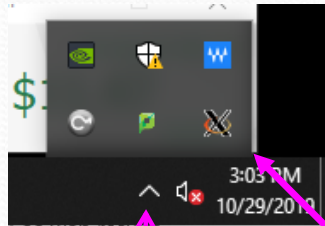
Then modulo that result by 5 to get a number between 0 and 4. This will determine the aspect ratio you are to use for your APR block. For Wangnan and I that would be 4

modulo	0	1	2	3	4
Aspect ratio	.32	.45	.64	.9	1.28

To run **icc** on a CAE windows machine you will have to use a combo of **Xming** & **Putty** so **Putty** can render graphical windows. See next slide.

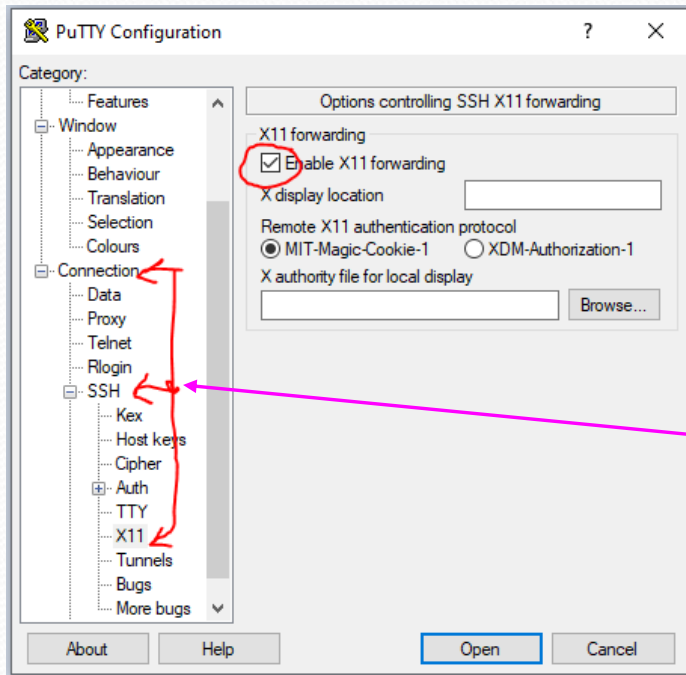
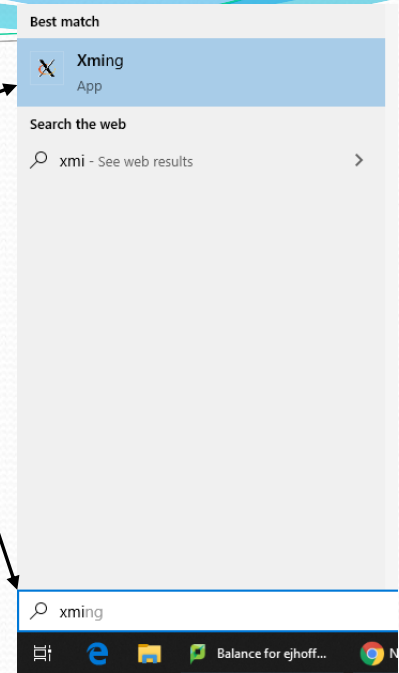


My result with 1.28 aspect ratio



Launch Xming by typing Xming in the windows search.

Xming runs in background and you should see it in the system tray once it is running.



You will launch a normal Putty SSH session connecting to: best-tux.cae.wisc.edu, but before you kick it off enable X11 forwarding in Putty

Exercise18 (APR of telemetry.sv)

- Perform APR on telemetry, including power gridding, clock distribution, and other aspects shown in the video.
- Submit a video of your finished APR block on the screen. Include a headshot of yourself (and your partner if you have one) in the video.