

Chapter 6 - OpenROAD GUI - TRAINING - Common

Course authors (Git file)



- 1 Guess and rebuild
- 2 Play the DRC example from ORFS



Rebuild the challenges

Task:

Rebuild the next four pictures with any design!



Challenge 1

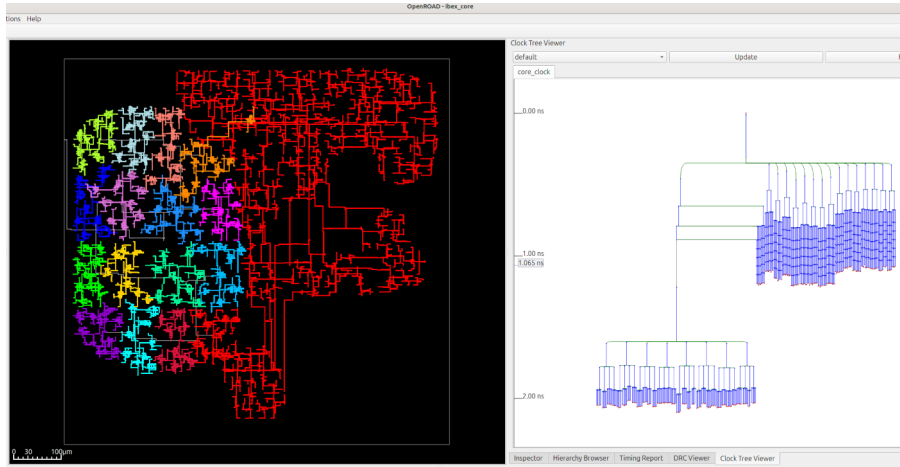


Figure 1: What is this?



Challenge 2

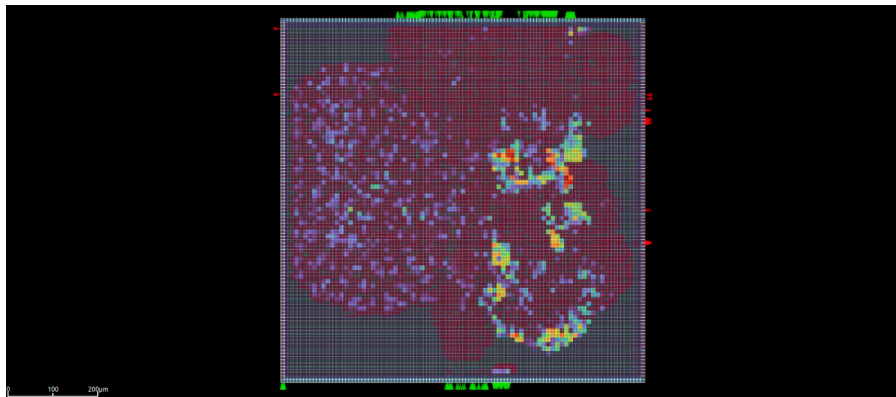
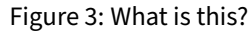


Figure 2: What is this?





Challenge 4

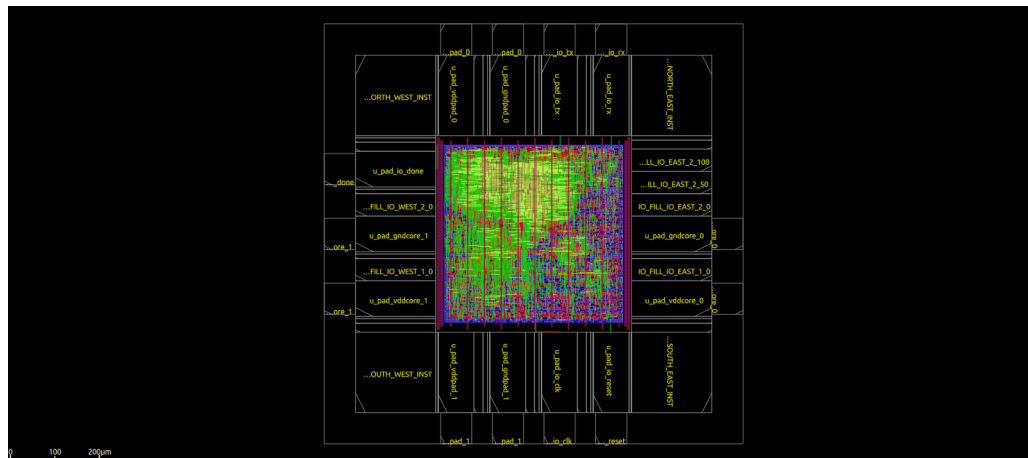


Figure 4: What is this?



Play the DRC example from ORFS

The ORFS tutorial contains an example for DRC errors in a design and how to view the DRC errors with the ORFS gui.

Task: Do the DRC error example

Link:

<https://openroad-flow-scripts.readthedocs.io/en/latest/tutorials/FlowTutorial.html#drc-viewer>

- Do the steps in the order from the tutorial
- Try to get to the 0 DRC errors.



Solutions (of the challenges)

- 1 Ibex clocktree without most other layers (IHP PDK)
- 2 Ibex power density >15 uW (IHP PDK)
- 3 Ibex single clock path with all layers off, but the timing paths (IHP PDK)
- 4 Masked aes without most metals and only pins names (IHP PDK)

