OpenROAD Flow Cheat Sheet

1. Read Libraries & Design – read_lef, read_liberty, read_verilog, link_design
2. Initialize Floorplan – floorplan, initialize_floorplan
3. Read Track Info – read_tracks
4. Remove Synthesis Buffers – remove_buffers
5. Random IO Pin Placement – place_pins -random
6. Macro + Global Placement – macro_placement, global_placement
7. Insert Tapcells – tapcell
8. Generate PDN – pdngen
9. Global Placement (Refinement) – global_placement
10. Pre-CTS Repair – repair_design
11. Tie Cell Repair – repair_tie_fanout
12. Detailed Placement – detailed_placement
13. CTS – cts
14. Timing Repair – repair_timing
15. Detailed Placement (Post-CTS) – detailed_placement
16. Save Checkpoints – write_db, write_def
17. Global Routing – global_route
18. Repair Antennas (Post-GRT) – repair_antennas
19. Detailed Routing – detailed_route
20. Repair Antennas (Post-DRT) – repair_antennas
21. Filler Insertion – filler_placement
22. Parasitic Extraction – estimate_parasitics
23. Final Reports – report_checks, report_power
24. Final Metrics – report_worst_slack, report_tns