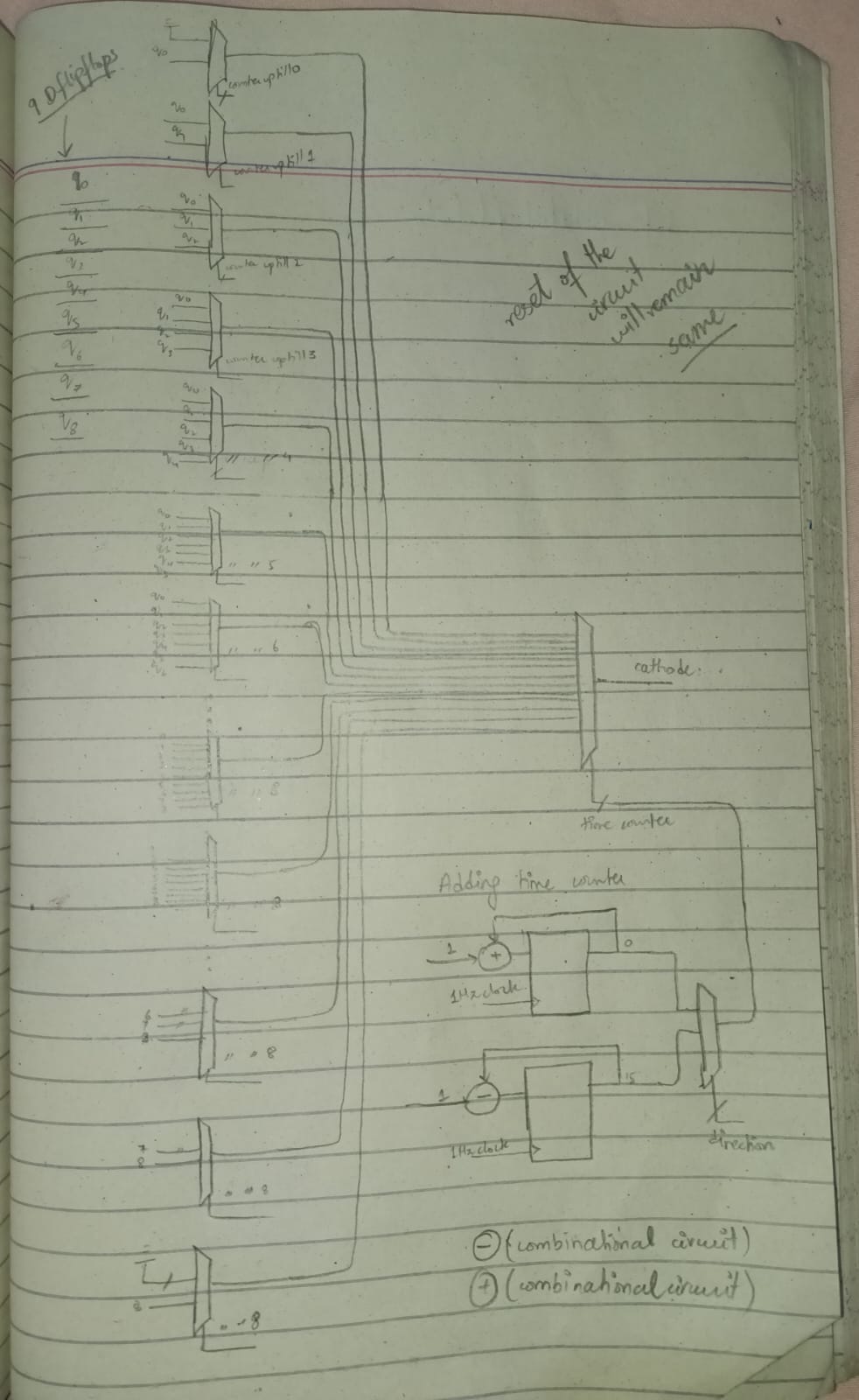
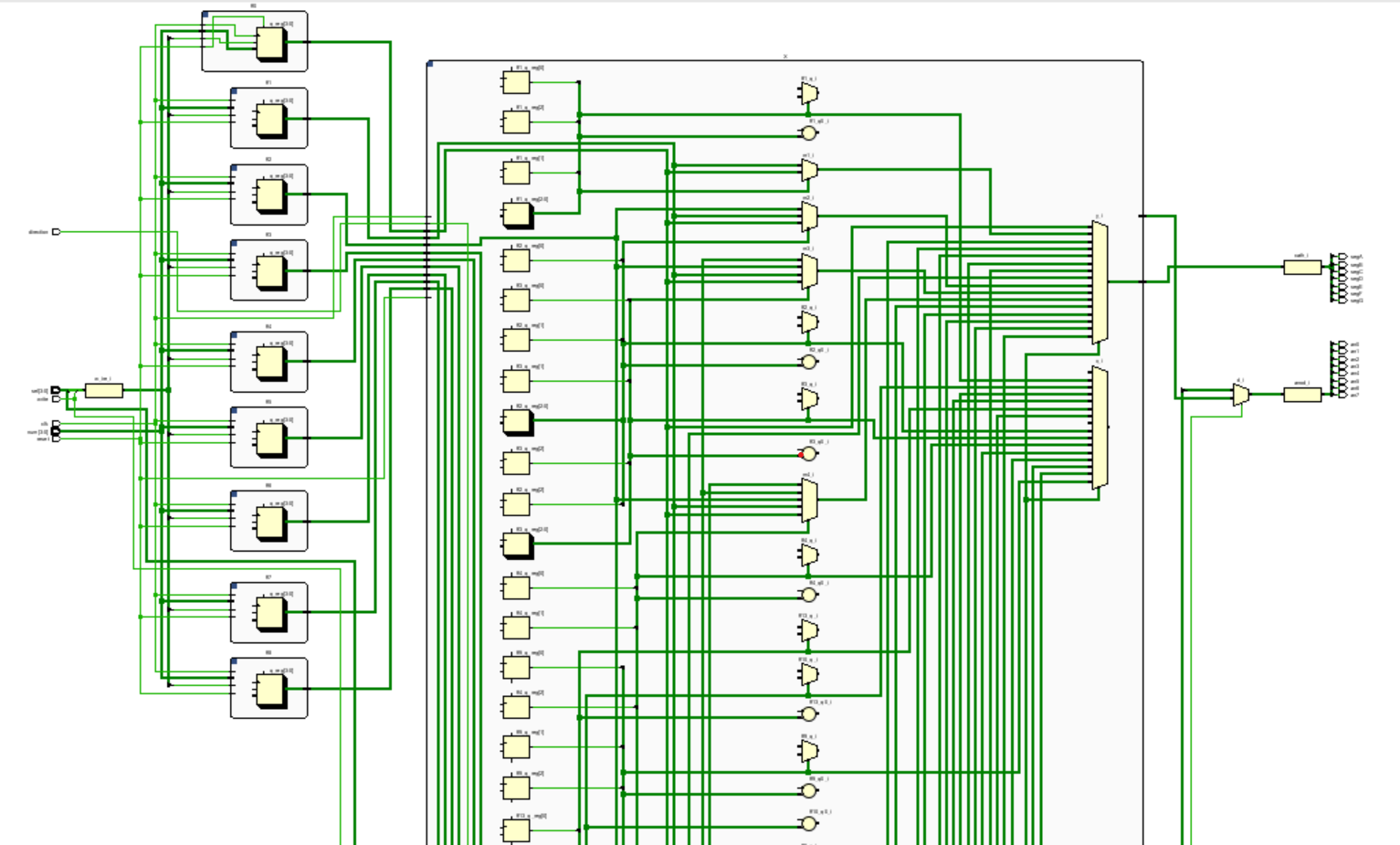
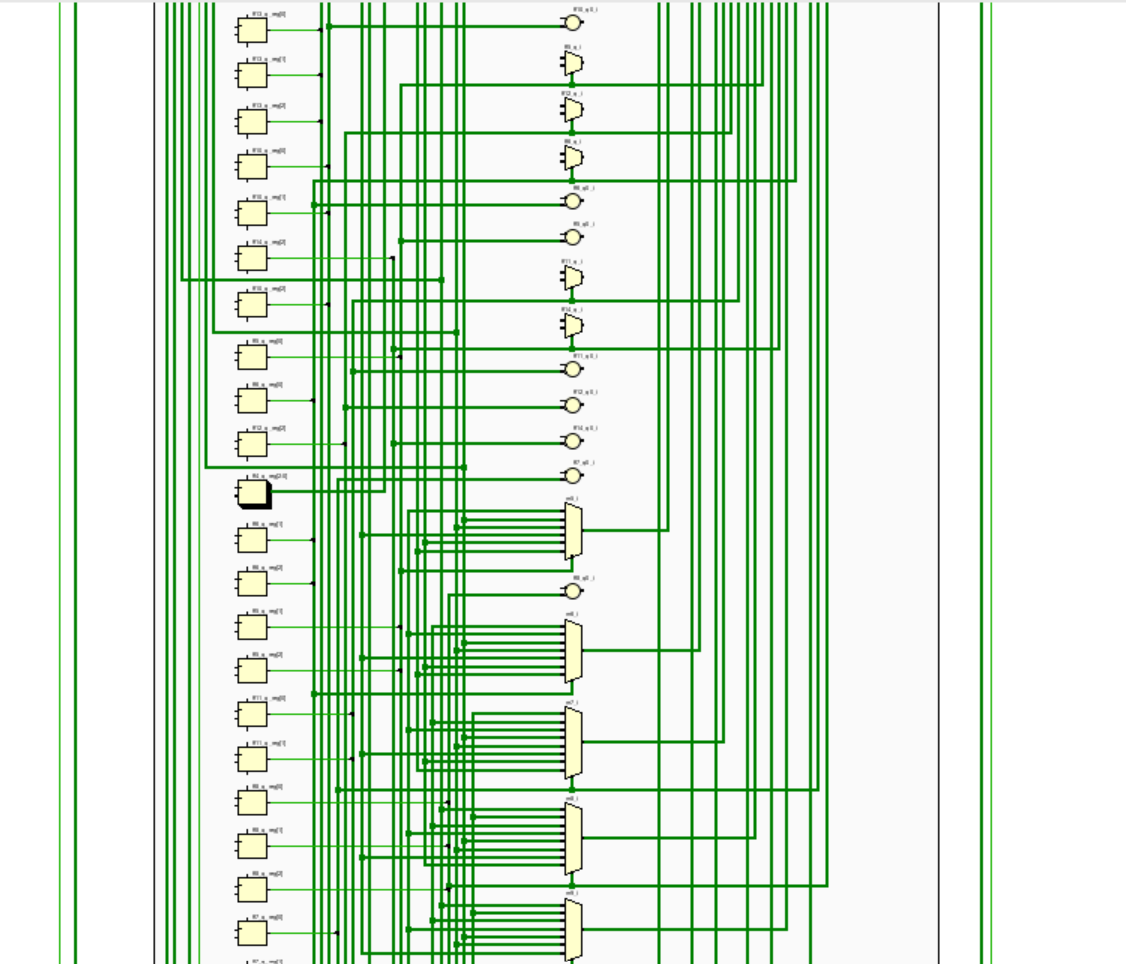
Name: NAQI-UL-HASSAN **LAB#8 (REPORT)** Roll no. 2022-EE-164

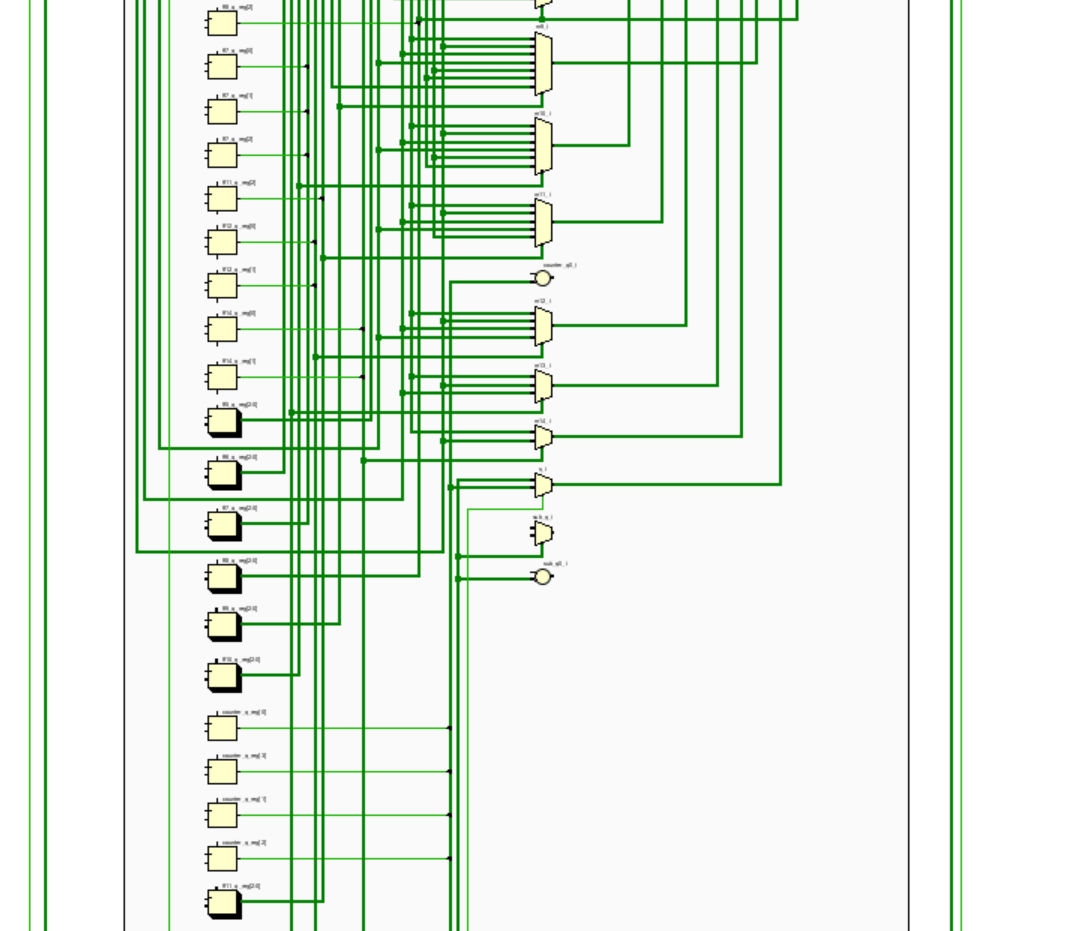
Hand-made diagram:

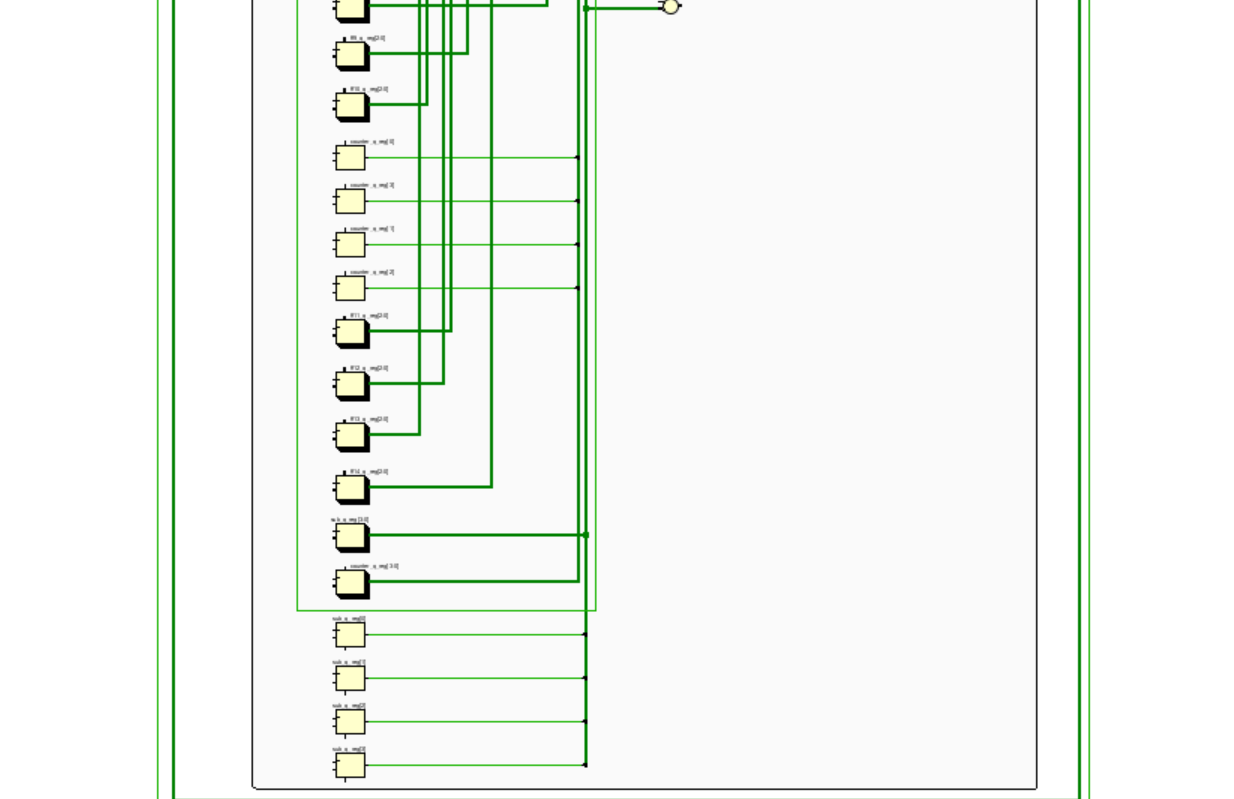


Schematics:

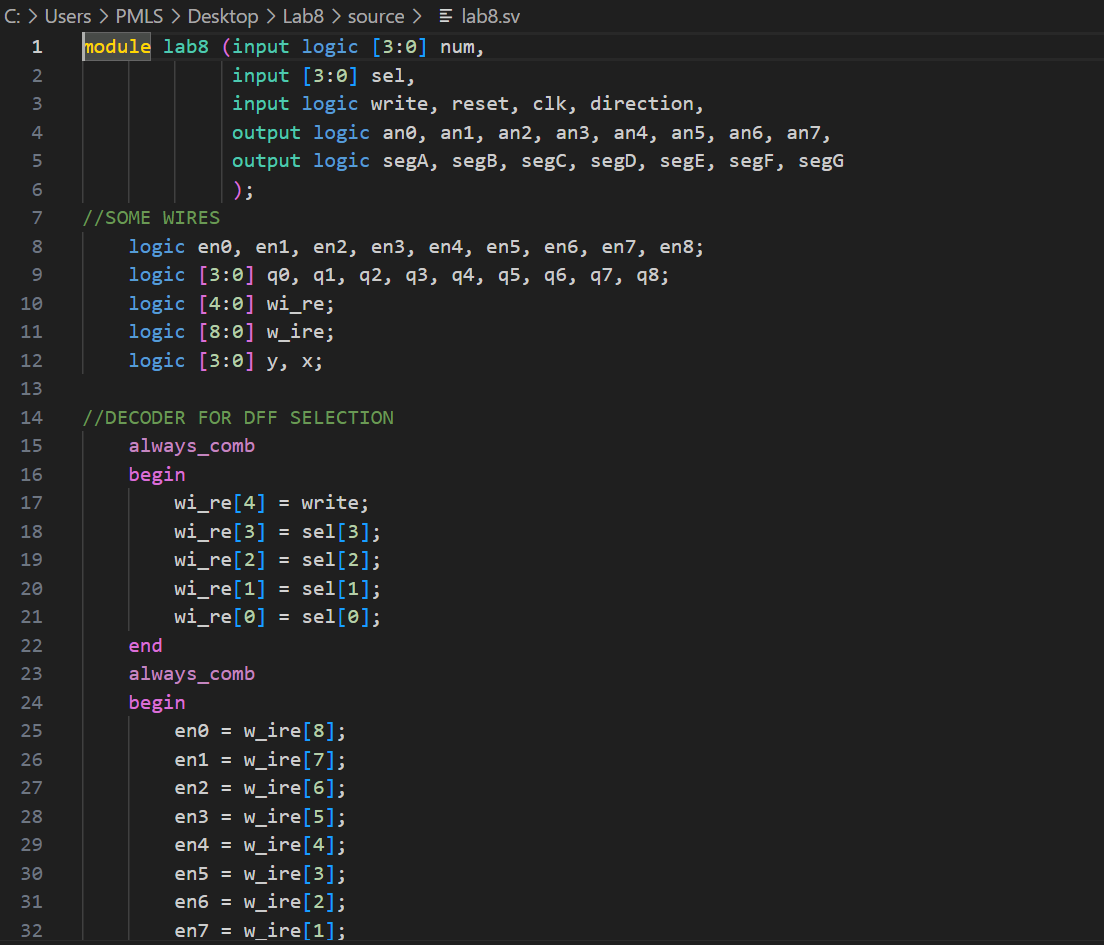


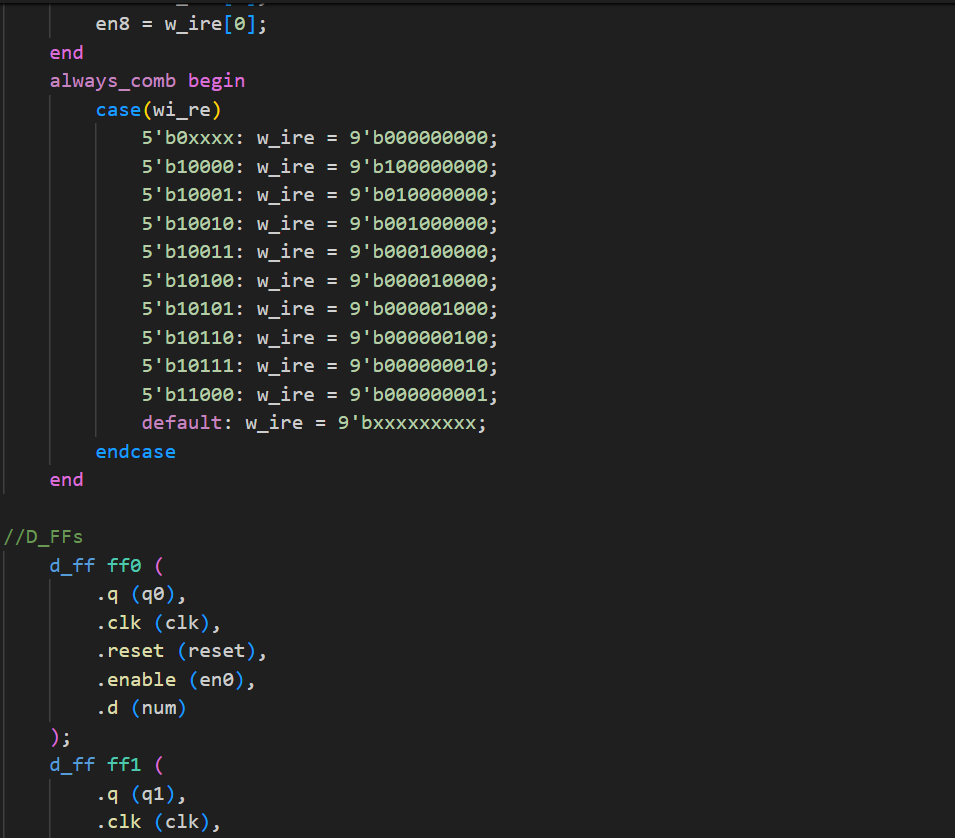


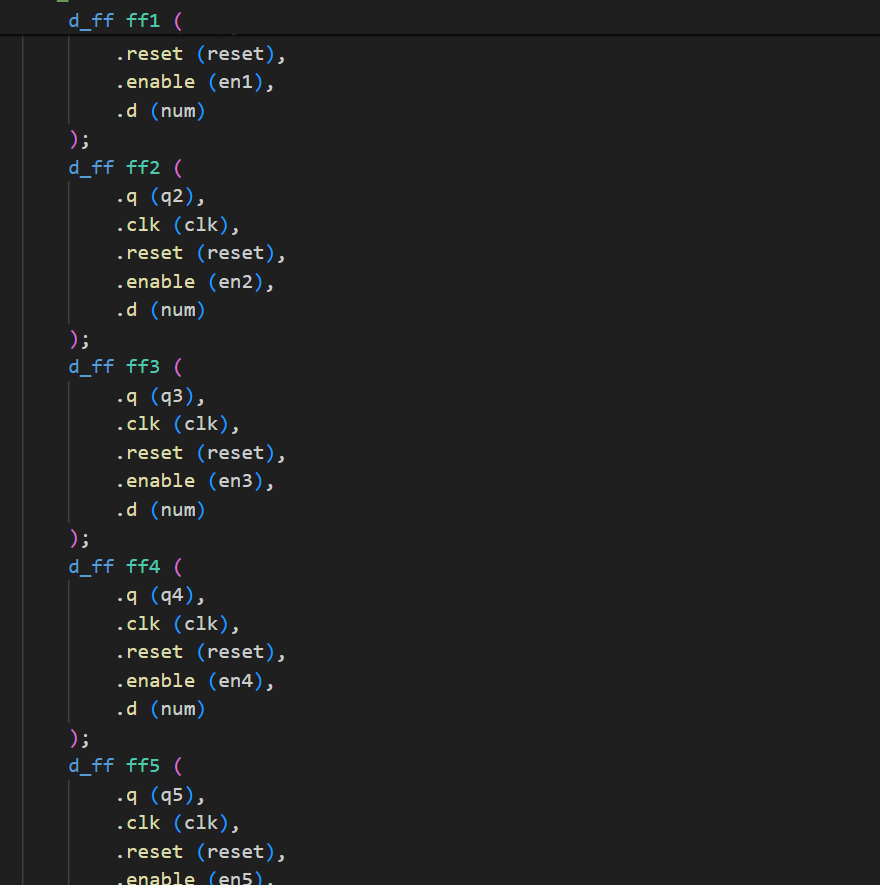




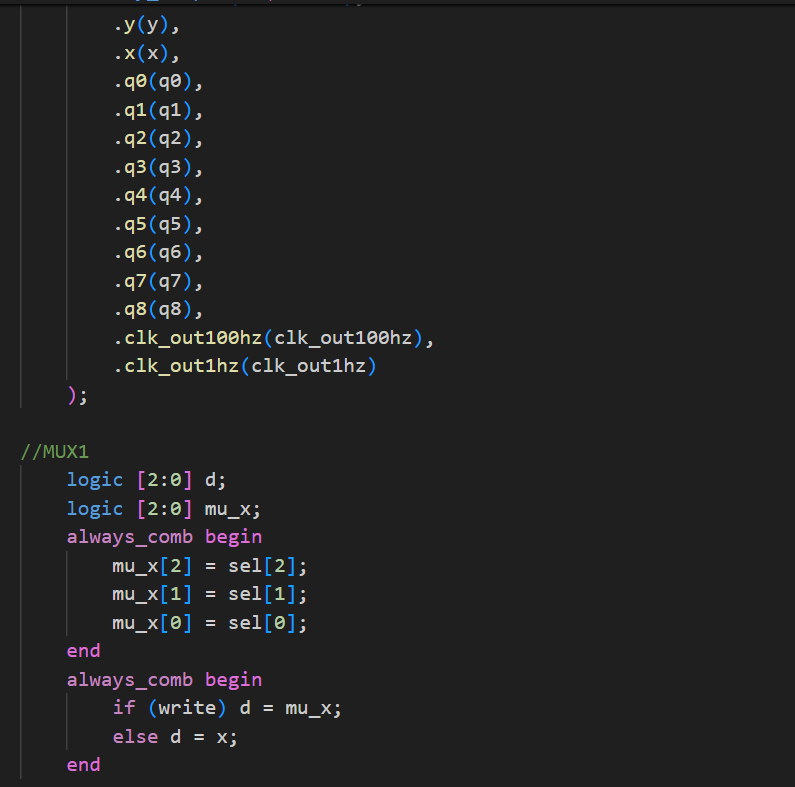
Coding Part:



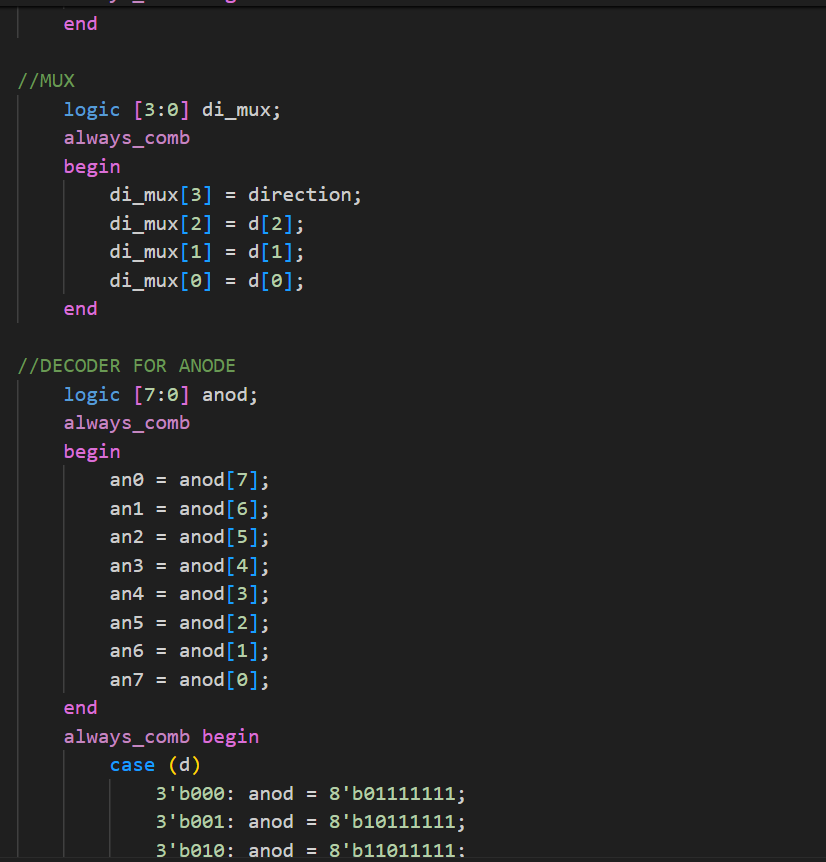


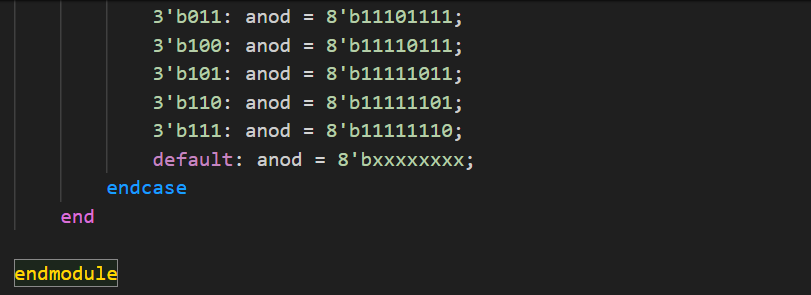






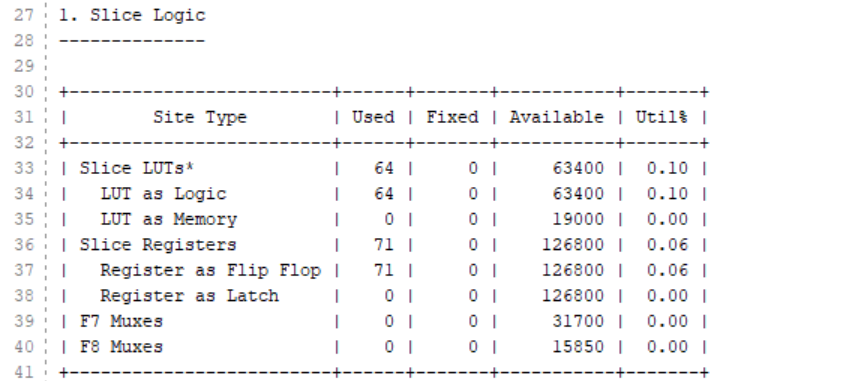


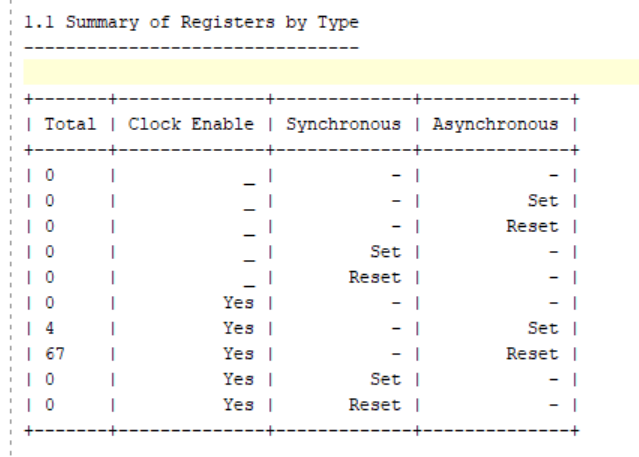


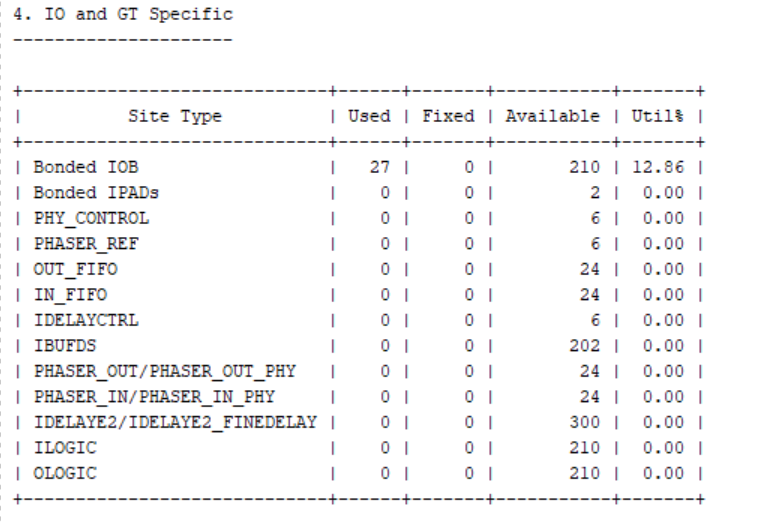


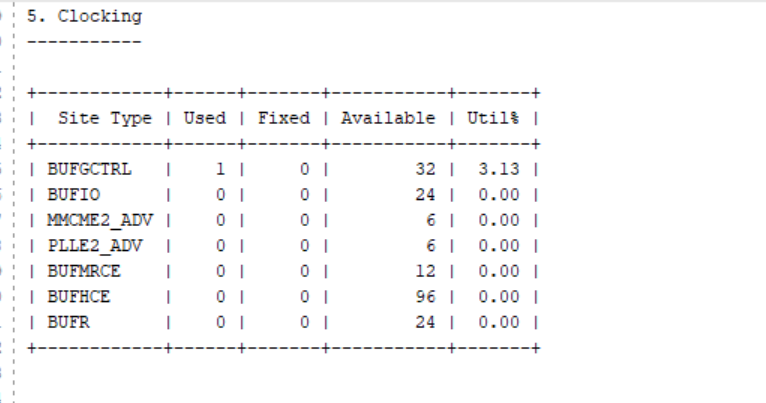
It is the source code for the Lab 8.

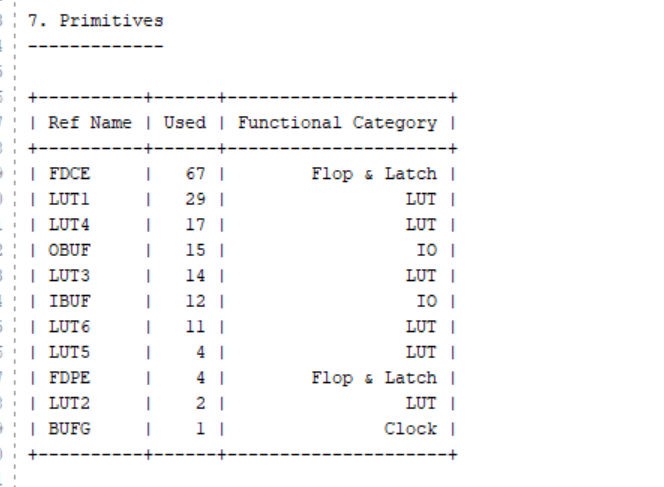
Source utilization (synthesis):

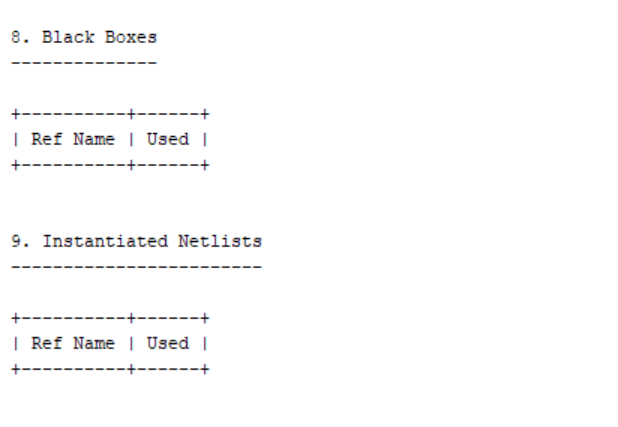




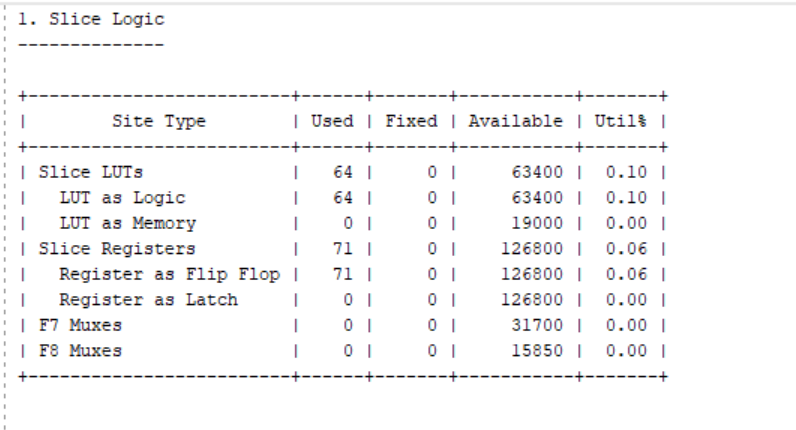


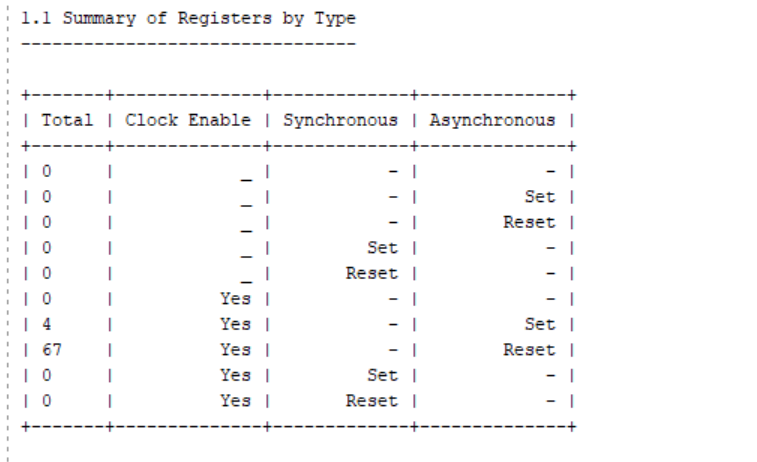


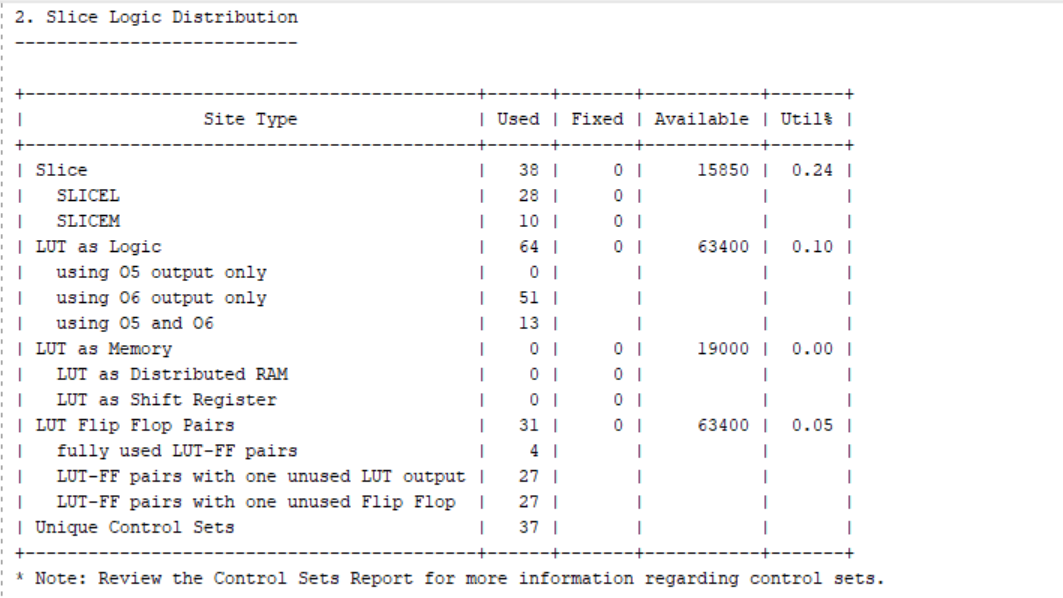


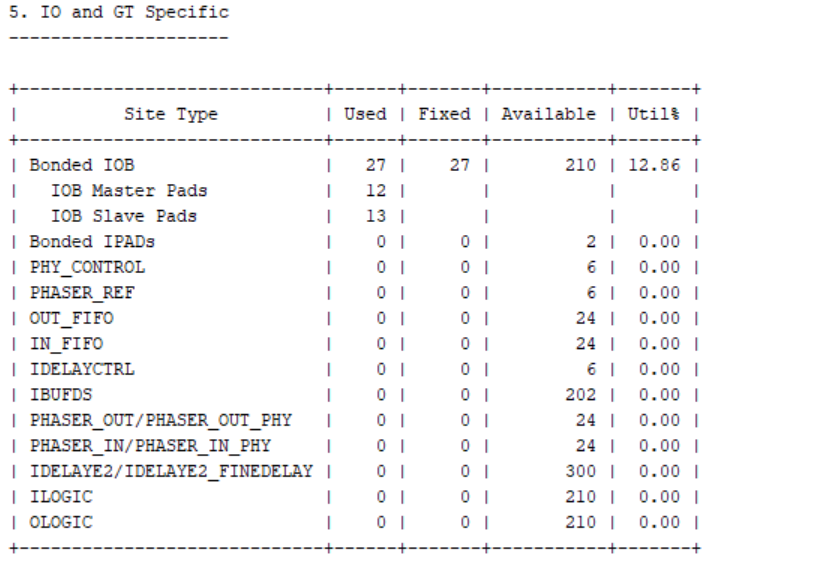


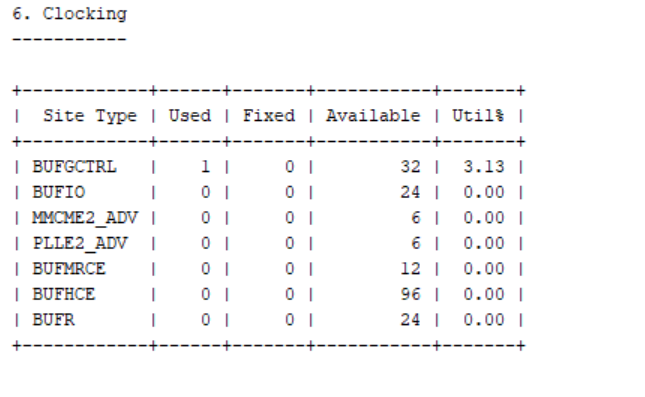
Source utilization (implementation):

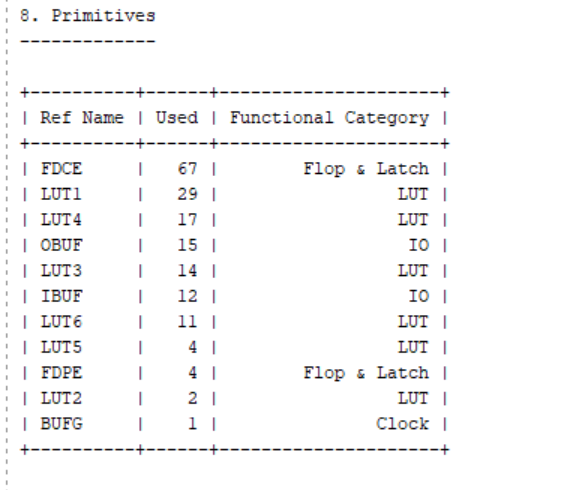


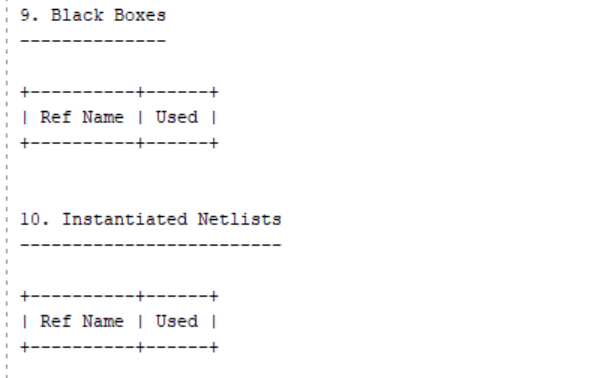




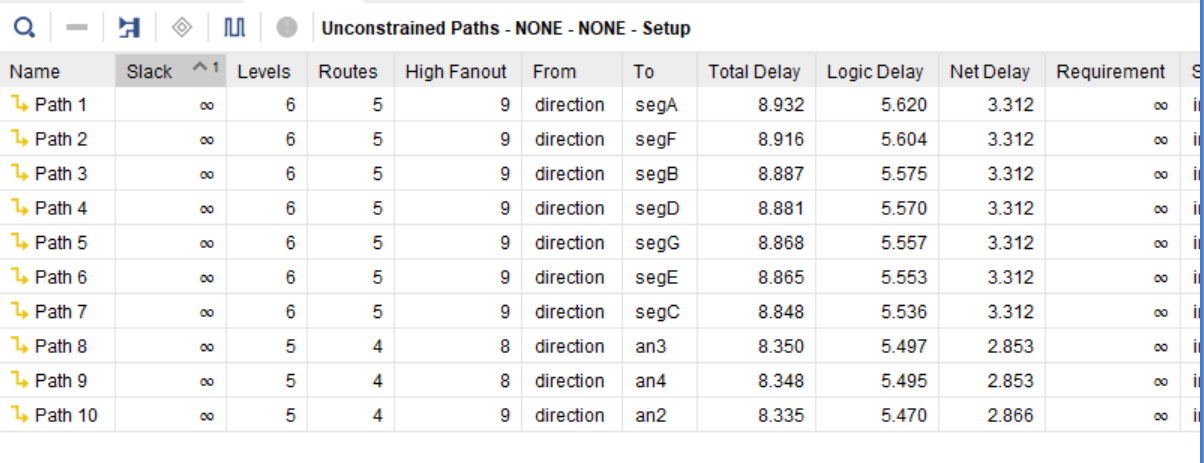




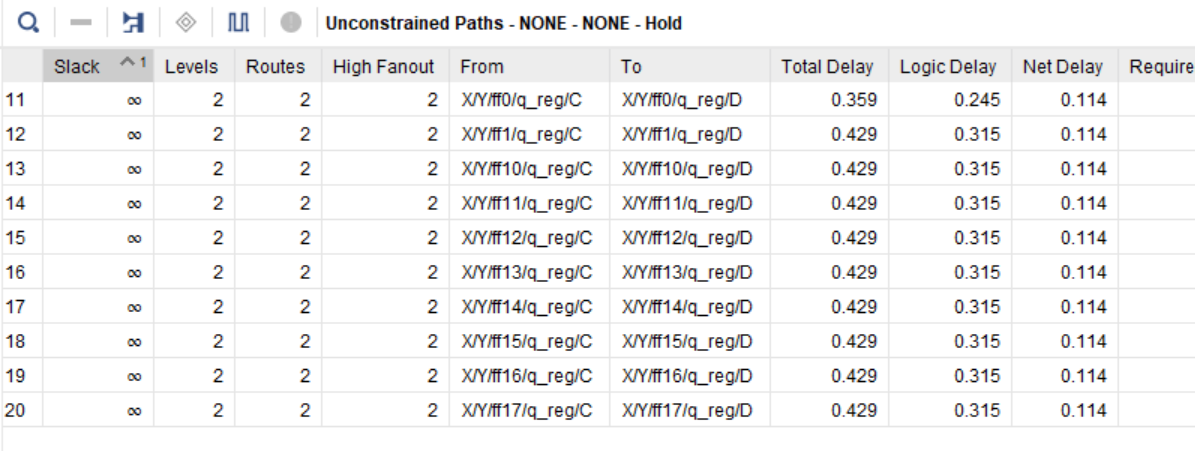




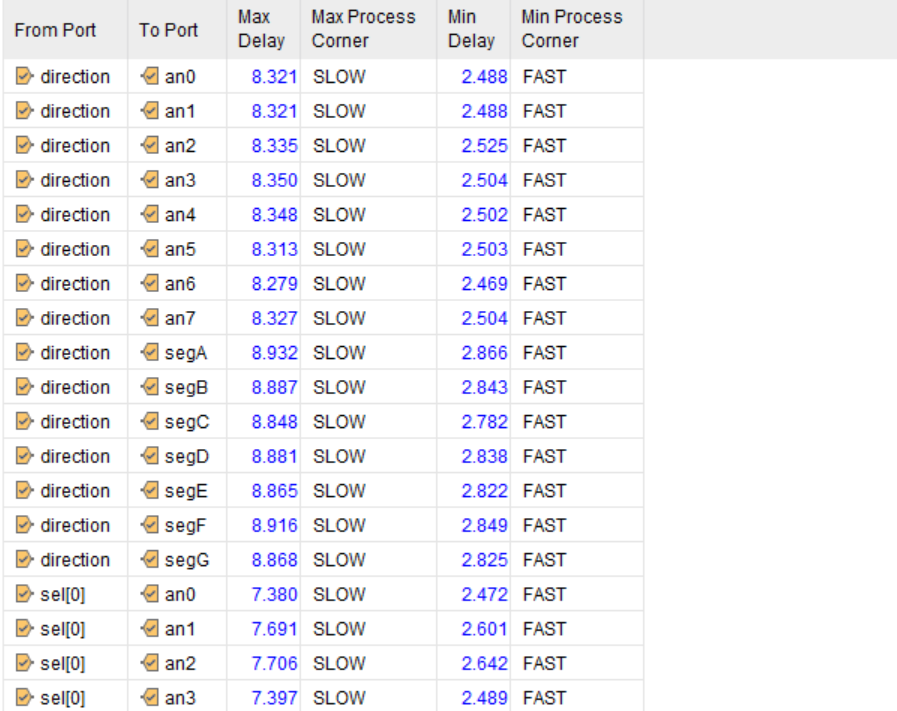
Report timing summary (synthesis):

Setup time delay:  
 

Hold time delay:



Combinational Delays:

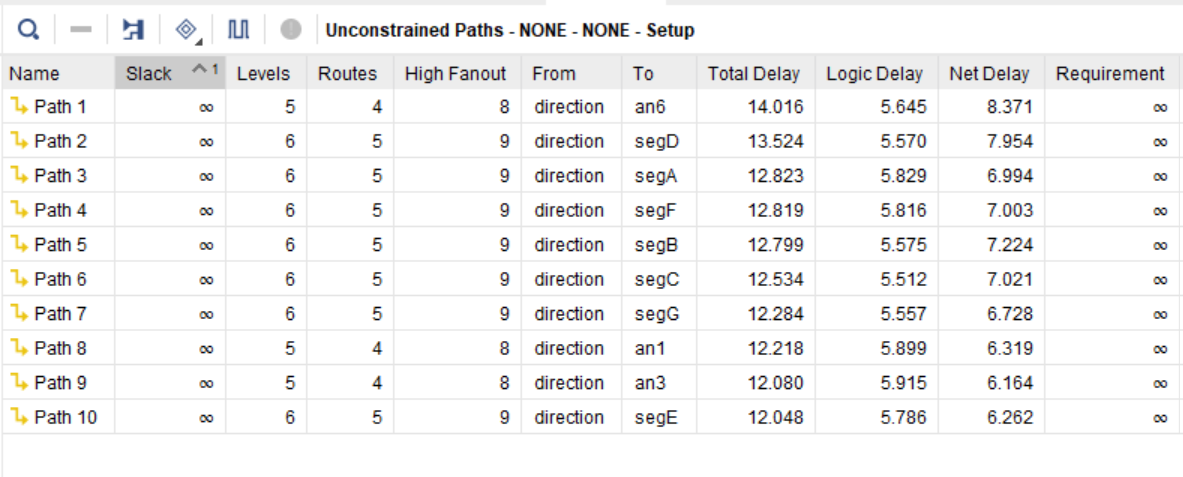




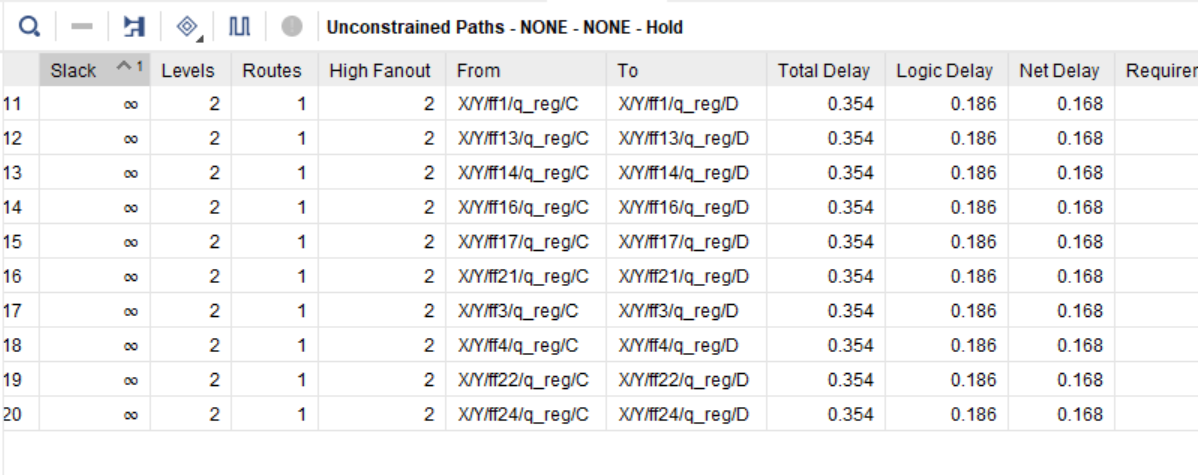


Report timing summary (implementation):

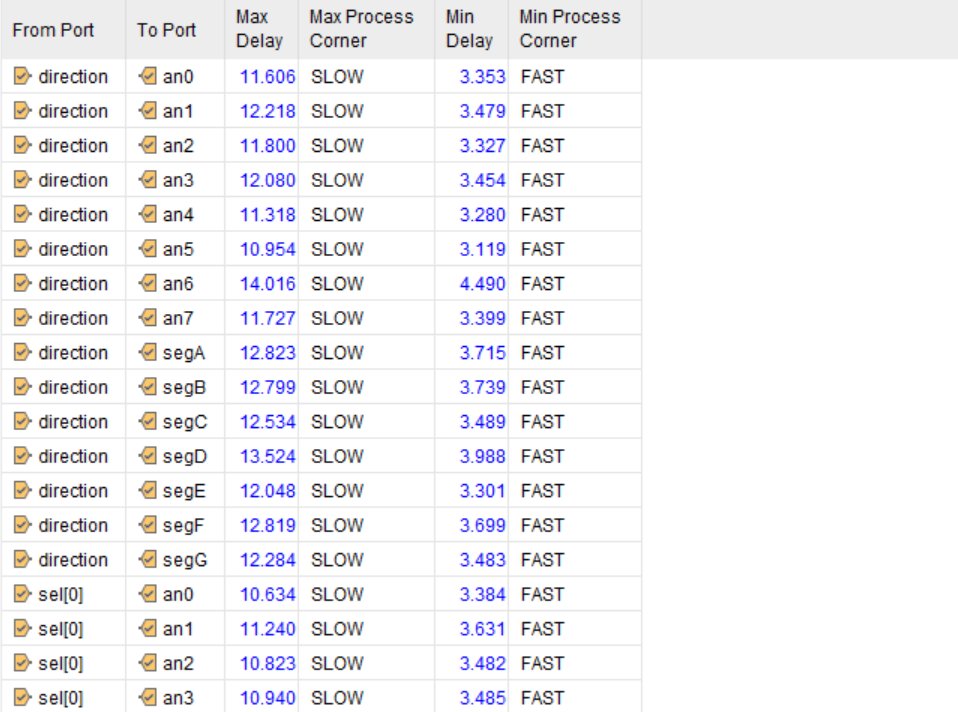
Setup delay:

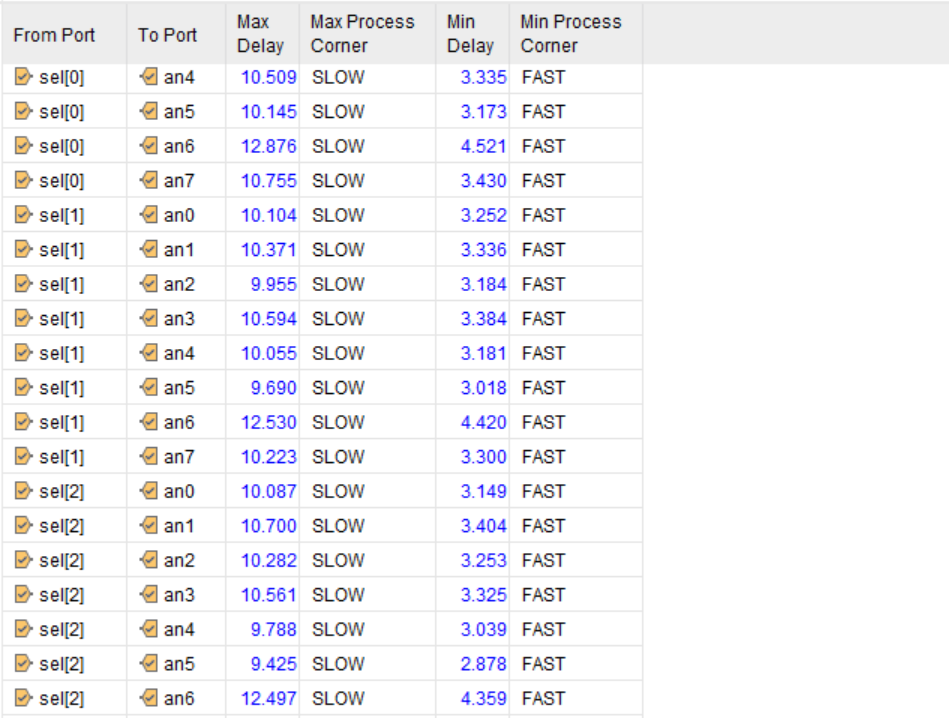


Hold delay:



Combinational delays:







Simulation report:

