ReadMe

Take add2 as an example:

Note:

The green ones represent the command which you need to key in the power-shell window

1.execute main.py

(open the power-shell window, and key in: python3 main.py)

2.read ./ckt/add2/add2.v

3.lev add2\_lev.txt

(create levelization output file)

4.tb\_gen 1

(generate testbench and input file for ModelSim)(you can specific how many test patterns you want to generate)(test patterns are stored in input folder)

5.execute run.do

(click the “run.bat” file inside the ./ckt/add2 folder, (do not close the power-shell window), and it will call the Modelsim, do the simulation, and create the output files which are stored in gold folder)

Then back to the power-shell window and key in the following commands:

6.logicsim ./ckt/add2/input/add2\_t0.txt ./ckt/add2/output/add2\_t0\_out.txt

(do the simulation in our code and generate the output file in output folder)

7.check ./ckt/add2/output/add2\_t0\_out.txt ./ckt/add2/gold/add2\_t0\_out.txt

(compare the result from our simulator(1st file) and Modelsim simulation(2nd file))

1. 2. 3. 4. 6. 7. are command typed in the terminal