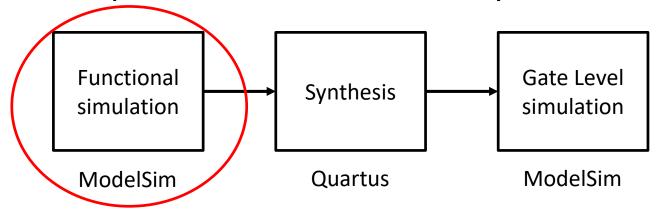


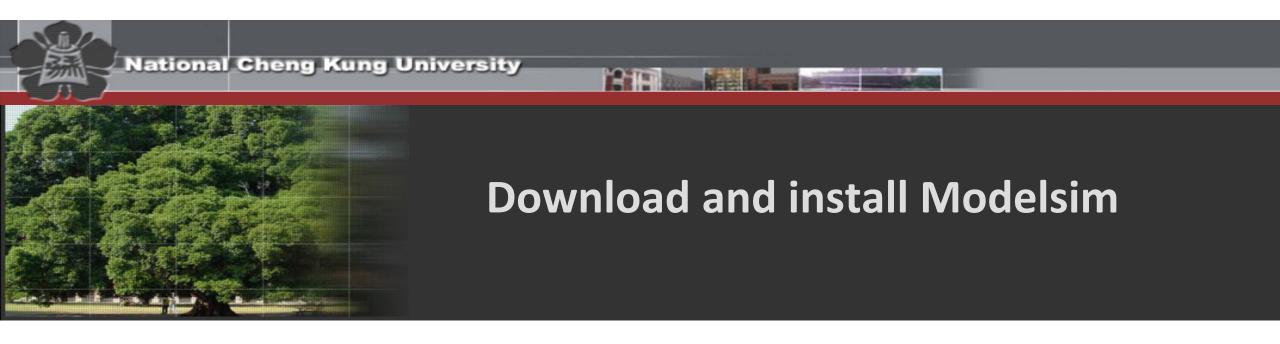
NCKU CSIE DICLAB

The simulation process



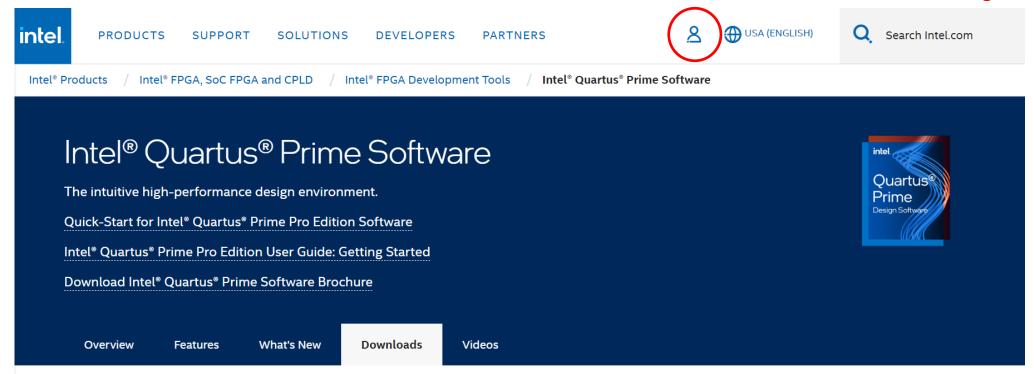


- ▶ The tools can be downloaded from :
 - https://www.intel.com/content/www/us/en/software/programmable/quartus-prime/download.html#









Download Intel® Quartus® Prime Software

Three Intel® Quartus® Prime editions to meet your system design requirements



Overview Features What's New Downloads Videos

Download Intel® Quartus® Prime Software

Three Intel® Quartus® Prime editions to meet your system design requirements

Pro Edition

The Intel® Quartus® Prime Pro Edition Software supports the advanced features in Intel's next-generation FPGAs and SoCs with the Intel® Agilex™, Intel® Stratix® 10, Intel® Arria® 10, and Intel® Cyclone® 10 GX device families.

Cyclone 10 GX devices supported for free in Intel Ouartus Prime Pro Software Edition.

Download for Windows (paid license required)

Download for Linux (paid license required)

Standard Edition

The Intel® Quartus® Prime Standard Edition software includes extensive support for earlier device families in addition to the Intel® Cyclone® 10 LP device family.

Download for Windows (paid license required)

Download for Linux (paid license required)

Lite Edition

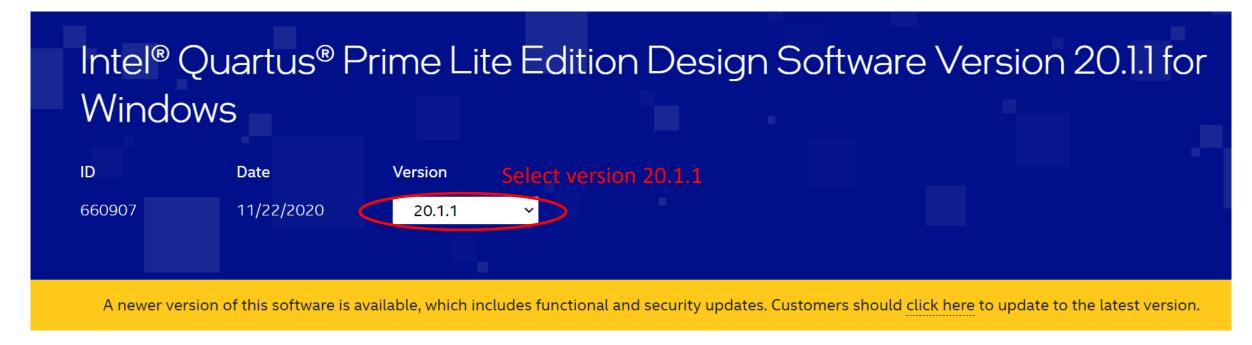
The Intel® Quartus® Prime Lite Edition software supports Intel's low-cost FPGA device families.

Refer to Features to review all devices supported by the Free Quartus Prime Software Lite Edition Click Here

Download for Windows (free, no license required)

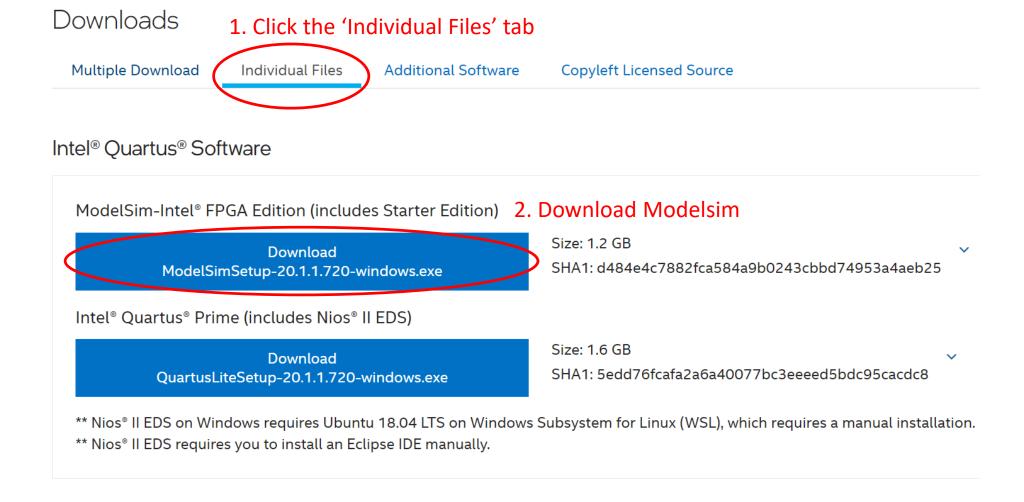
Download for Linux (free, no license required)





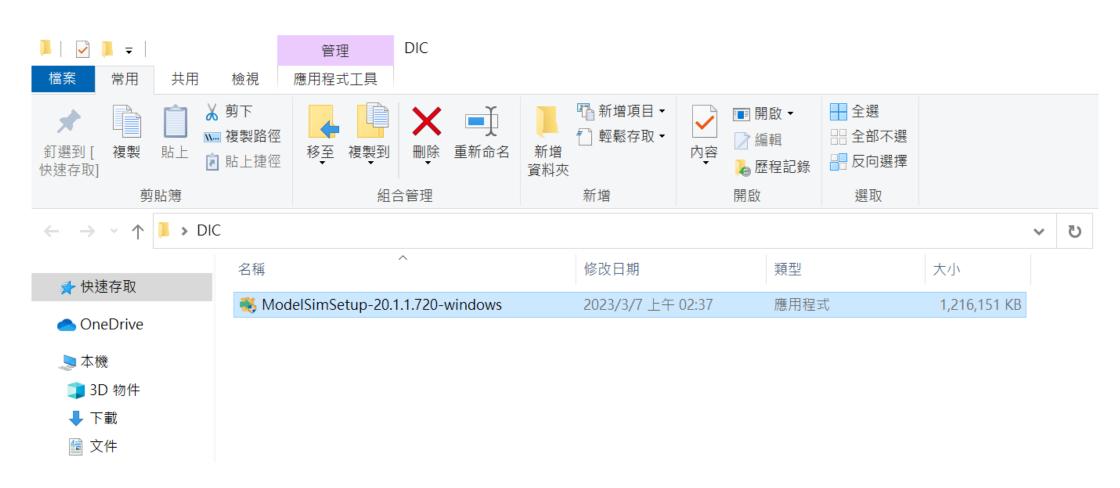
Users should upgrade to the latest version of the Intel® Quartus® Prime Design Software. The selected version does not include the latest functional and security updates. If you must use this version of software, follow the technical recommendations to help improve security. For critical support requests, please contact our support team.





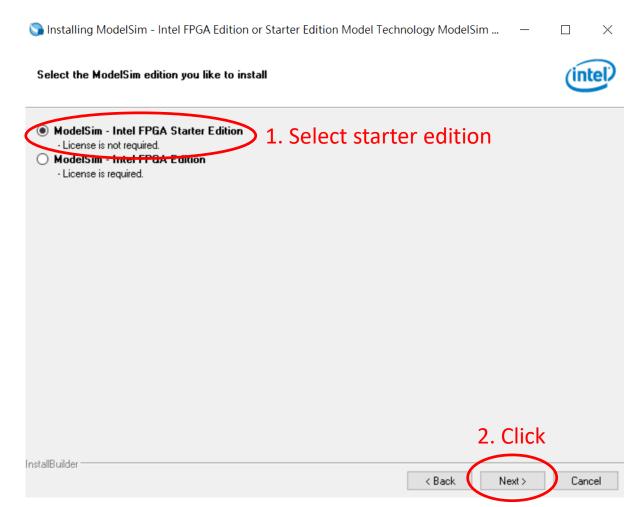


热。成功大學





成功大學



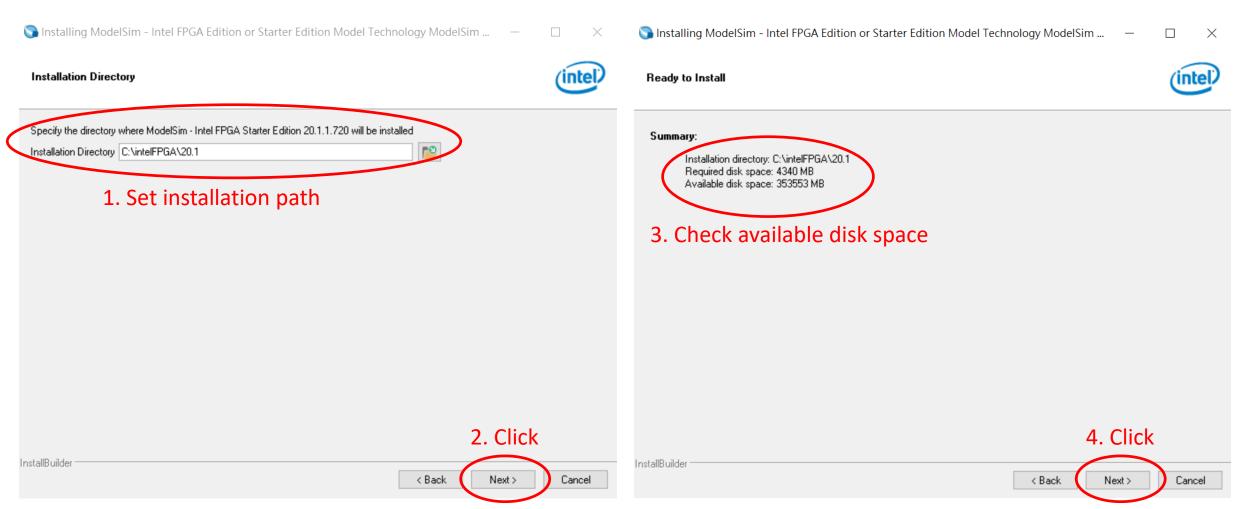
License Agreement



Installing ModelSim - Intel FPGA Edition or Starter Edition Model Technology ModelSim ...

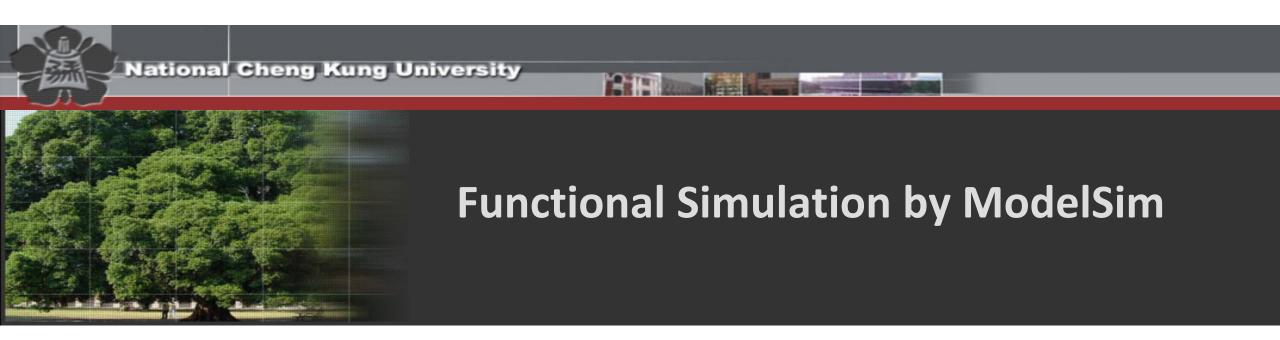


成功大學

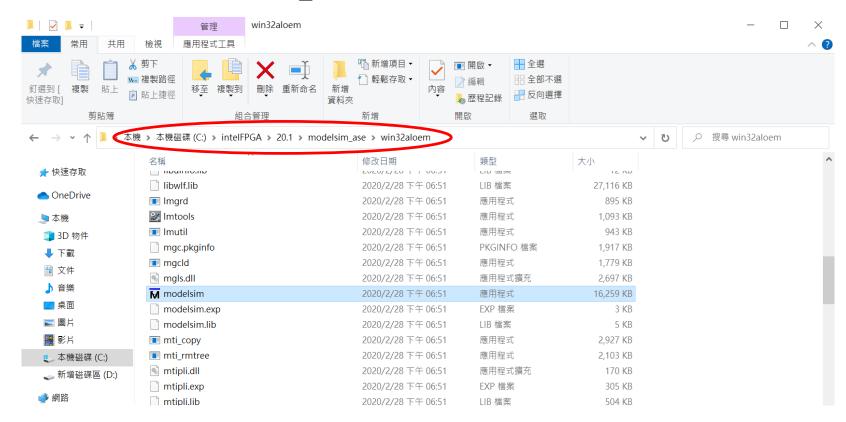






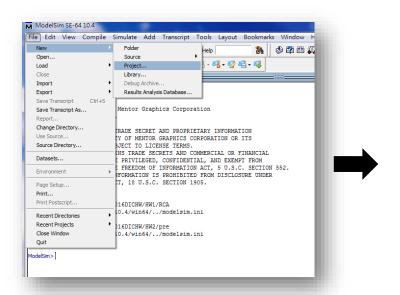


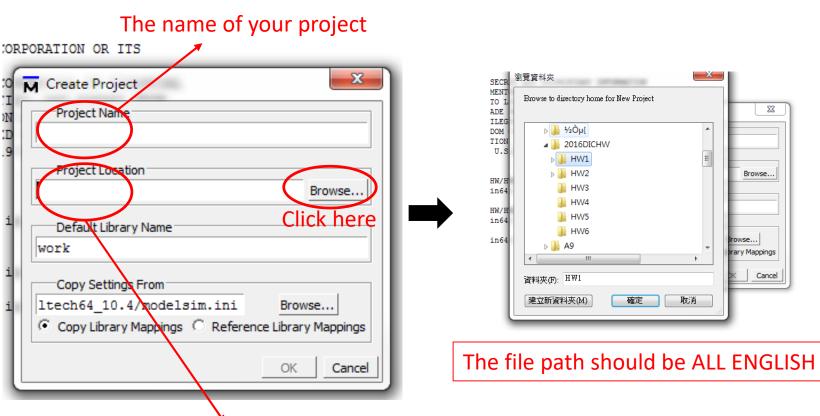
- ▶ Step 1: Run modelsim.exe
 - Your installation path
 - Ex: C:\intelFPGA\20.1\modelsim_ase\win32aloem\modelsim.exe



- Step 2: Create a new project
 - ▶ File -> New -> Project
 - Click "Browse..."

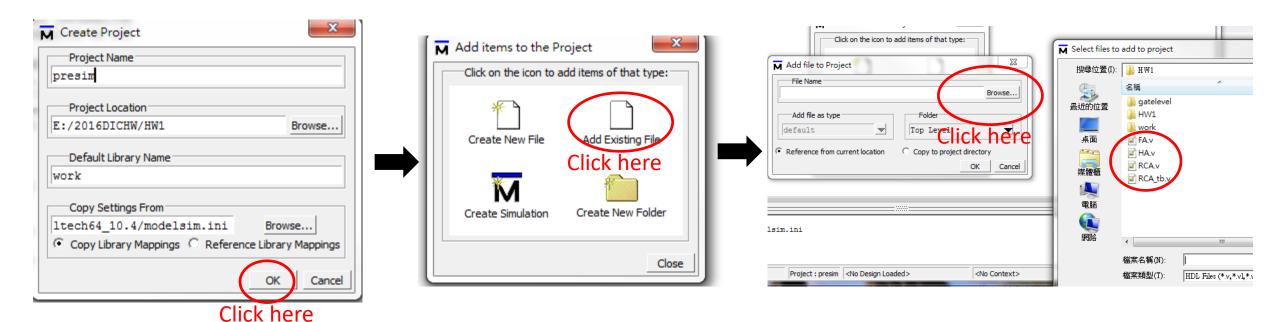
而成功大學





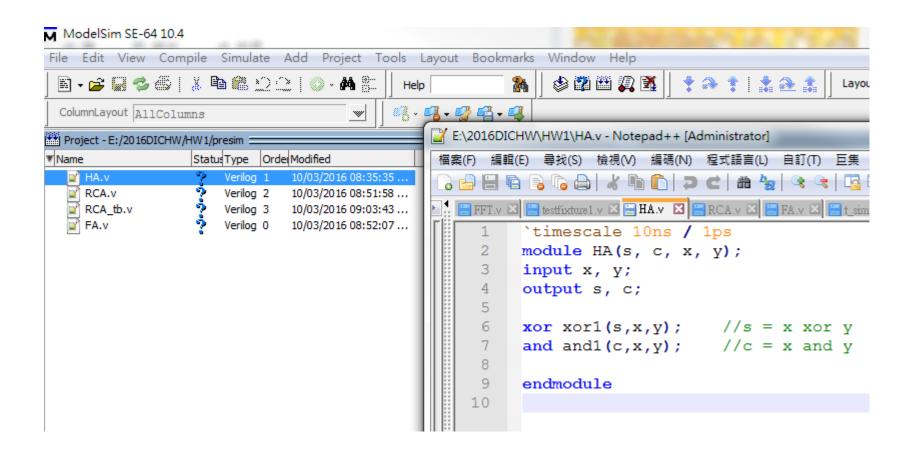
The location of your project

- Step 2: Add the files
 - Select all the .v files including the testbench
 - Verilog code could be stored in any location, "add existing file" would refer to the file location automatically.
 - Remember to put the test data and golden data at the same directory of the testbench file.



Step 3 : Start coding...

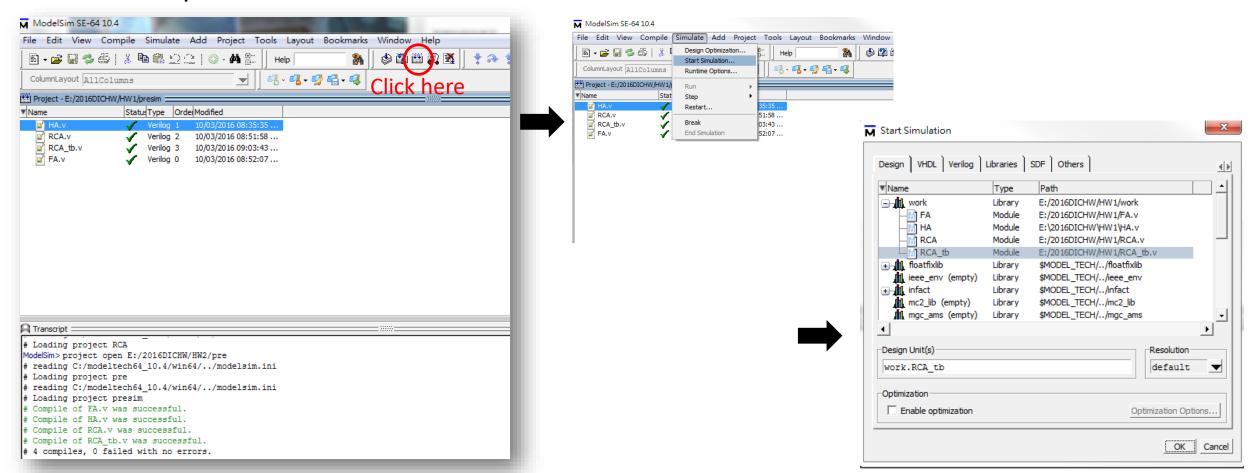
三成功大學



Step 4: Compile & Start simulation

派队为大學

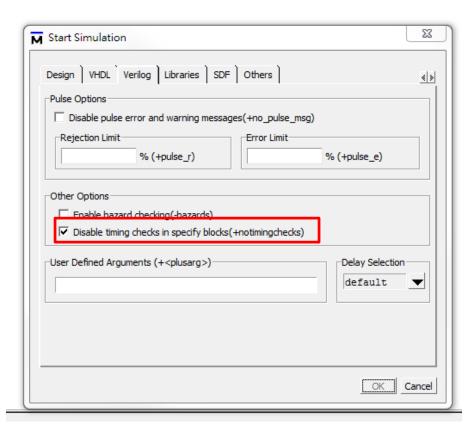
Compile -> Simulate -> Start Simulation->work->testbench file



► Step 4: Start simulation

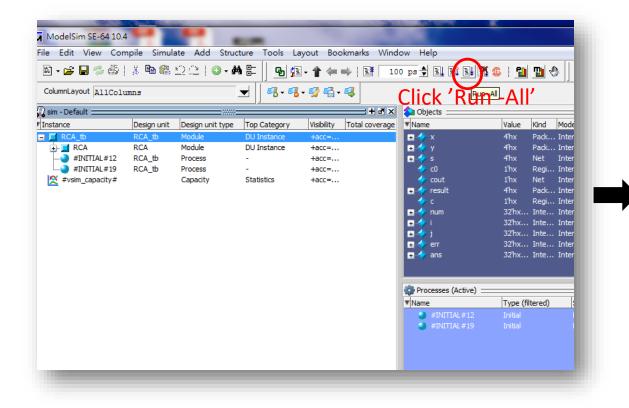
添成功大學

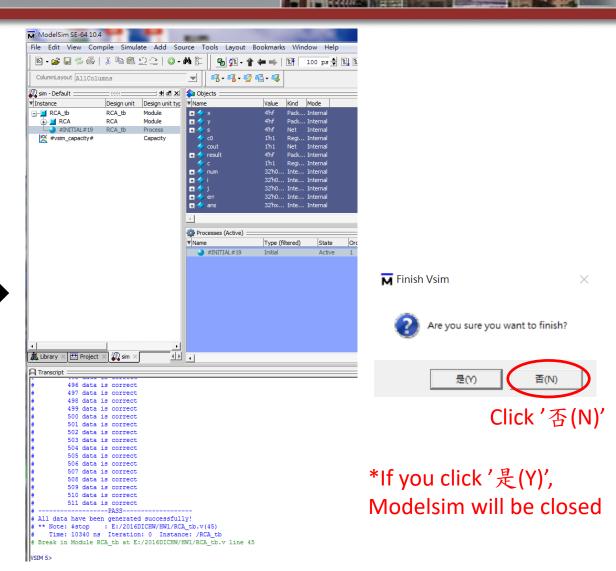
Check +notimingchecks



Step 5 : Simulation

流成功大學





Step 6 : Show waveform

流成功大學

