Verilog Debugging Tool
- nWave

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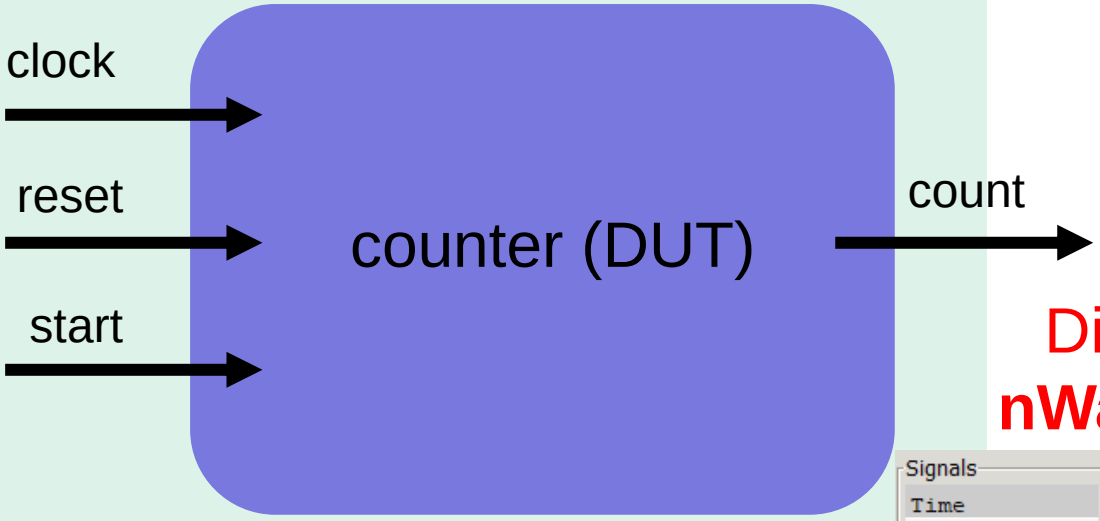
How to Debug

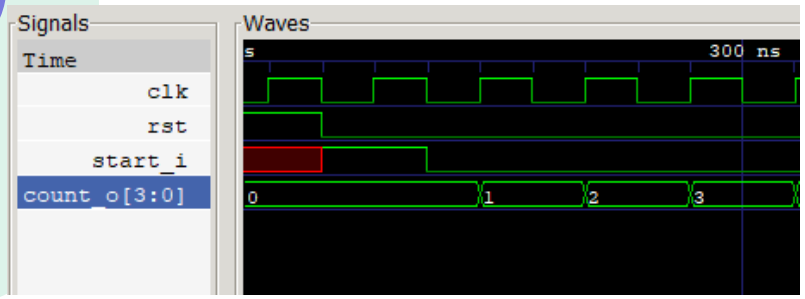
counter_tb (Testbench, tb)



Display in cmd

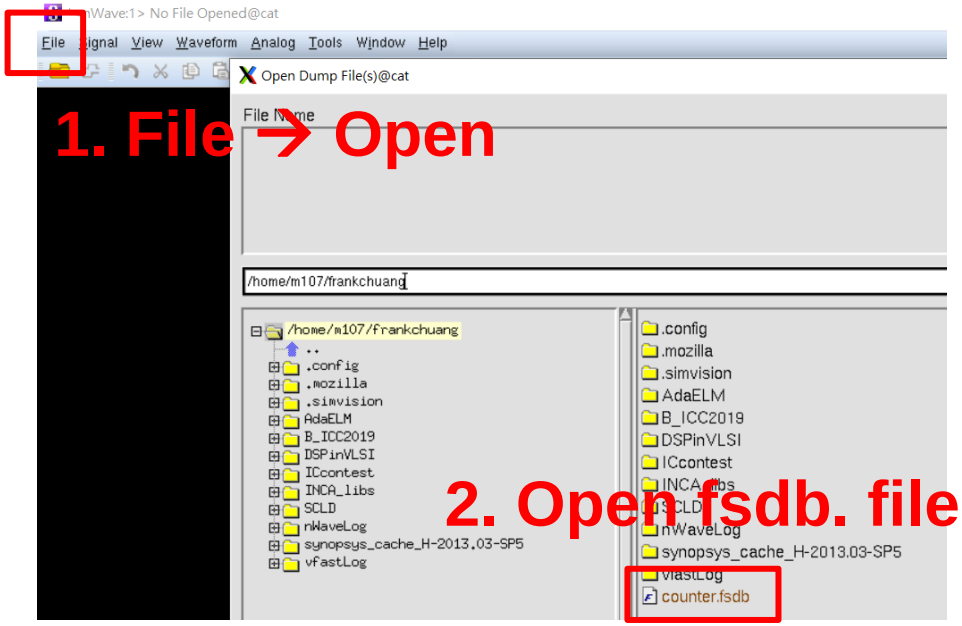
```
count =  0
count =  1
count =  2
count =  3
count =  4
count =  5
count =  6
count =  7
count =  8
```

Display waveform in **nWave** (most common)

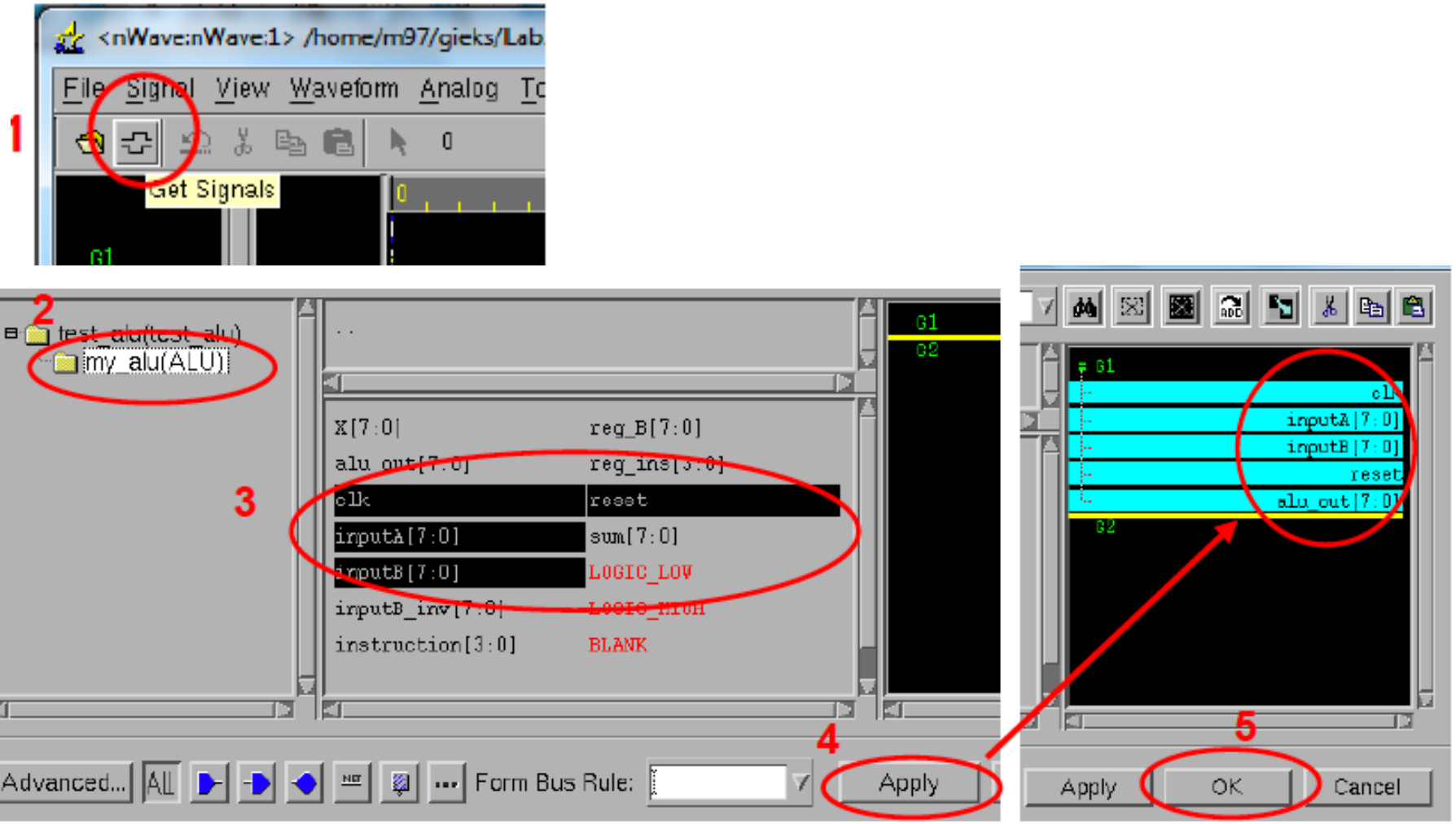


nWave

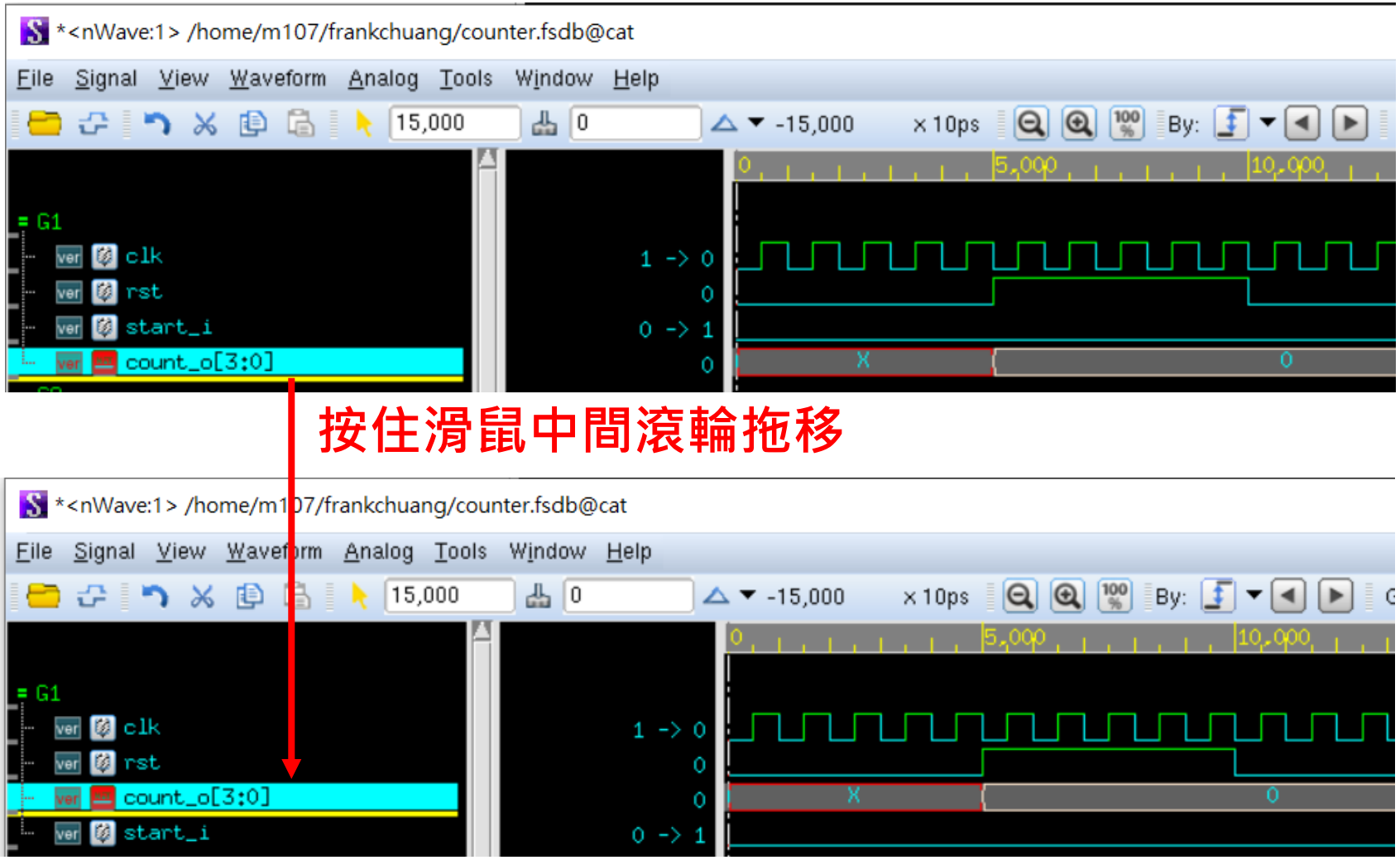
- A waveform analysis tool for viewing **.fsdb* & **.vcd* waveform files
- **For school workstation, source license first**
  - source /usr/cad/cadence/cshrc
  - source /usr/spring_soft/CIC/verdi.cshrc
- **Invoke nWave**
  - > *nWave &*
- **Open waveform file**
  - .fsdb or .vcd



Select Signals to View

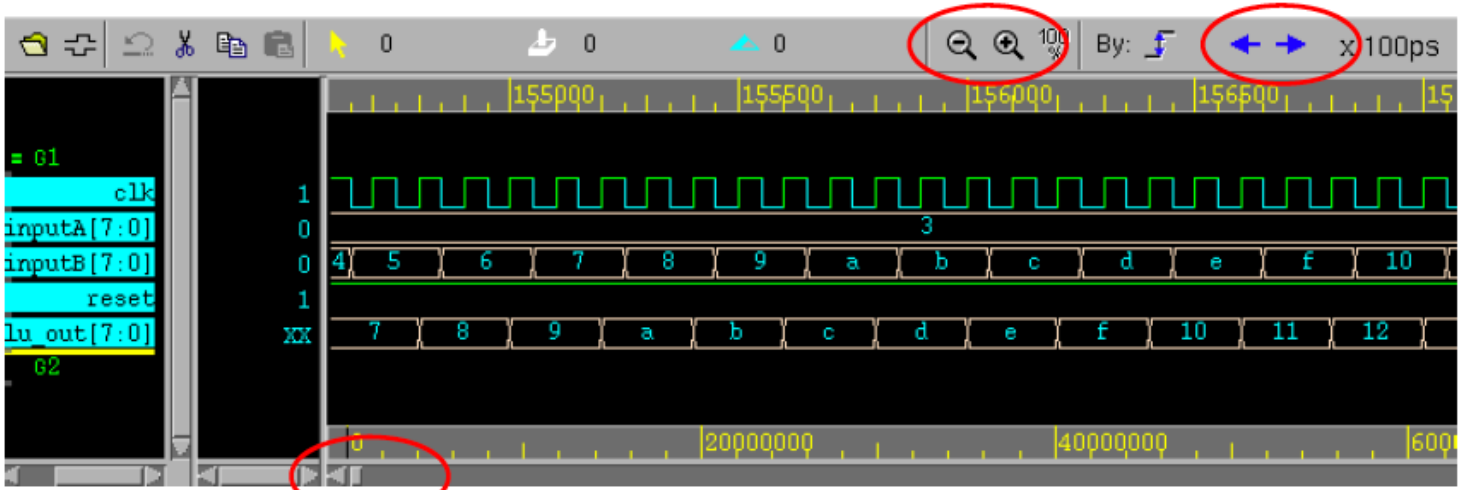


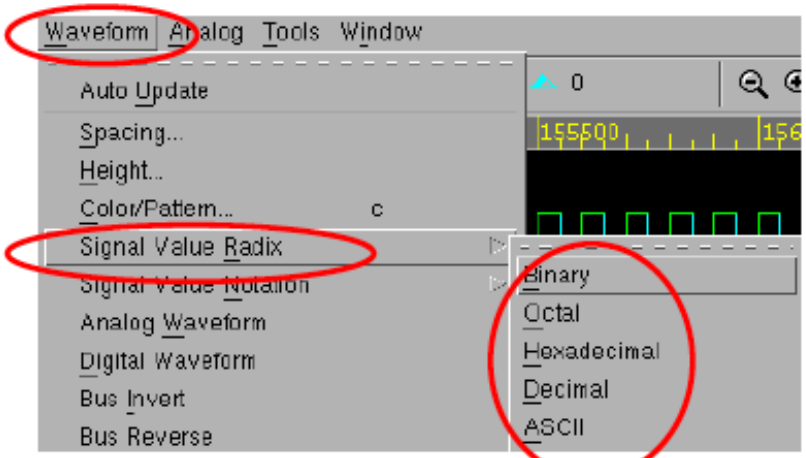
Drag Selected Signals



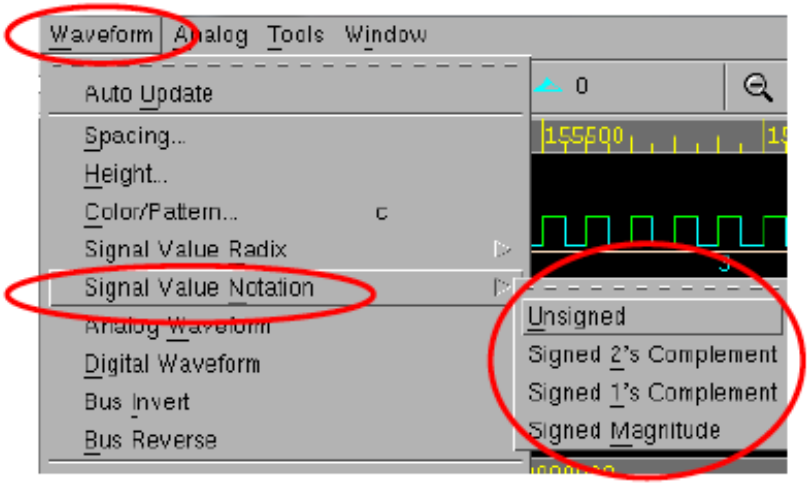
Viewing Tools

Shift windows





Select Value Radix



Select Value Notation

Reload New Waveform File (Shift+L)

- You don't need to re-open nWave to reload a new waveform file! ➔ **Shift+L**