

Installation of Icarus Verilog and GTKWave

- **Install the tools according to your environment:**

- **Windows 10/8/7**

- Icarus Verilog and GTKWave

- ◆ Download page: <http://bleyer.org/icarus/>

- 64bit: iverilog-10.1.1-x64_setup.exe [9.77MB]
- 32bit: iverilog-10.0-x86_setup.exe [11.1MB]
- Install with **administrator**

- **Ubuntu 18.04**

- Icarus Verilog and GTKWave

- ◆ `sudo apt-get install verilog gtkwave`

- **macOS**

- Icarus Verilog

- ◆ `brew install icarus-verilog`

- ◆ Note: brew(Homebrew) install refer to <https://docs.brew.sh/Installation>

- GTKWave

- ◆ Only GUI

- Download page: <http://gtkwave.sourceforge.net/>
- Download link: <http://gtkwave.sourceforge.net/gtkwave-3.3.99.tar.gz>

- ◆ Use GTKWave on the command line

- `sudo port -v install gtkwave`
- Note: port(MacPorts) install refer to <https://www.macports.org/install.php>

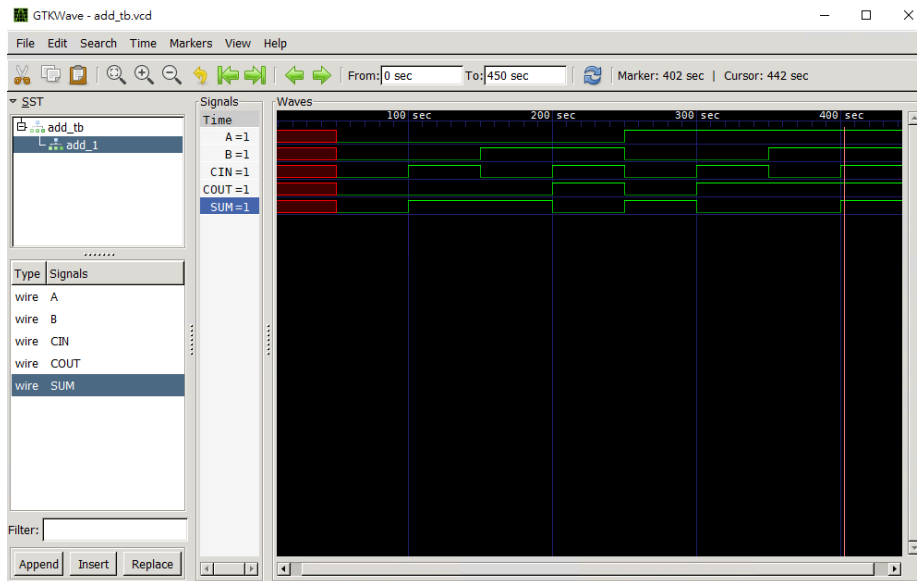
- **Verify your installation:**

- Files:

- ◆ `add.v`
- ◆ `add_tb.v`

- Command:

- ◆ `iverilog -o add_tb.vvp add_tb.v add.v`
- ◆ `vvp add_tb.vvp`
- ◆ `gtkwave add_tb.vcd`



- More installed information refer to https://iverilog.fandom.com/wiki/Installation_Guide