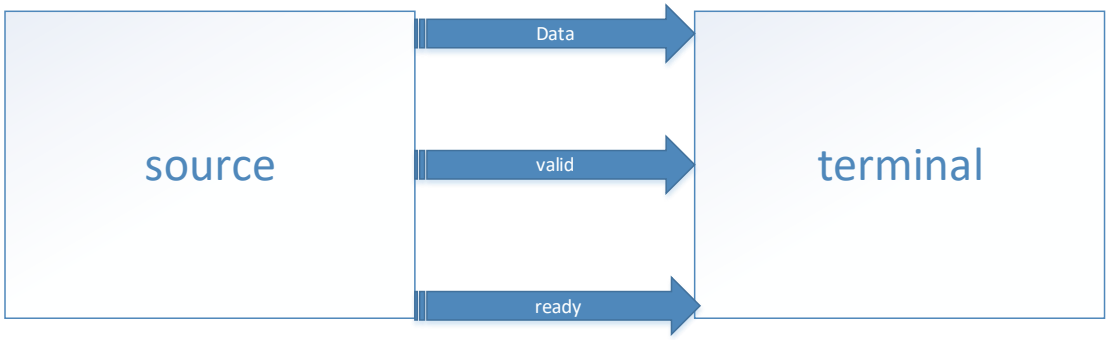
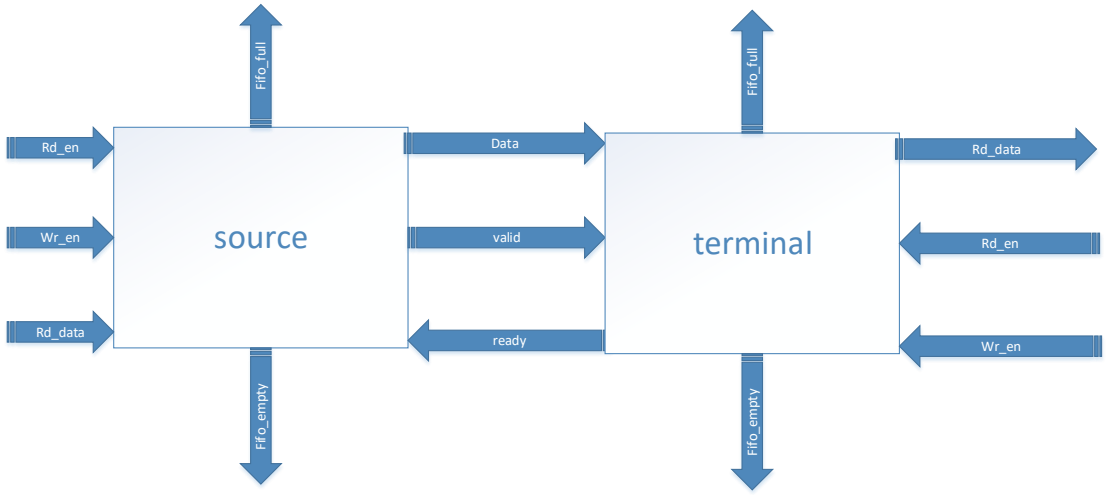
总线握手场景实现

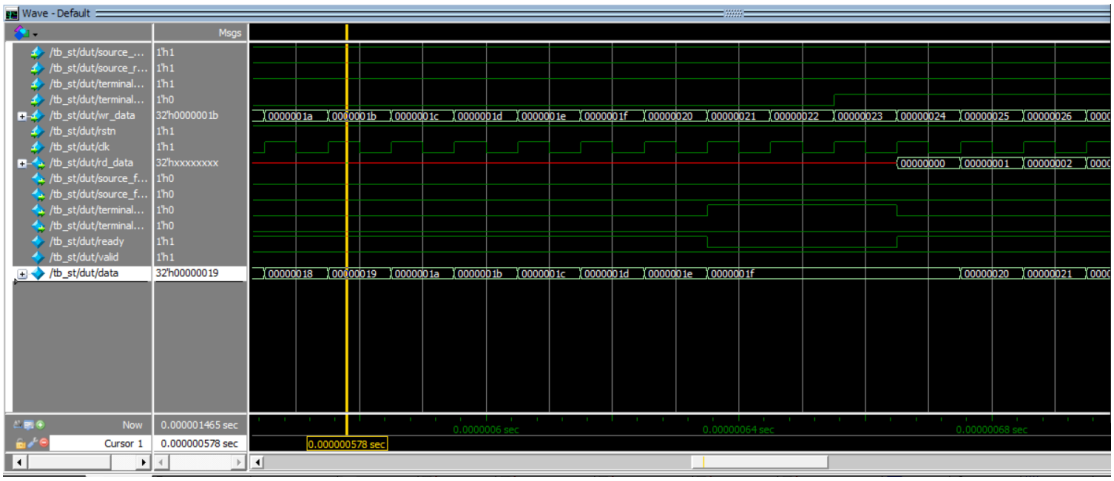
1.总线握手由 source 端与 terminal 端组成。



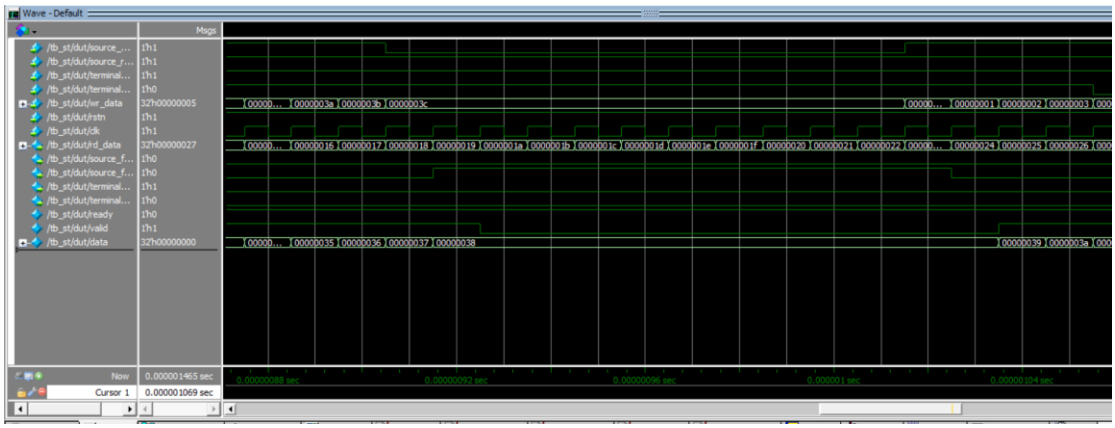
这里，我们简单设置 source 与 terminal 各为 FIFO 存储器来实现二者握手的通信。Source 与 terminal 端接口如下：



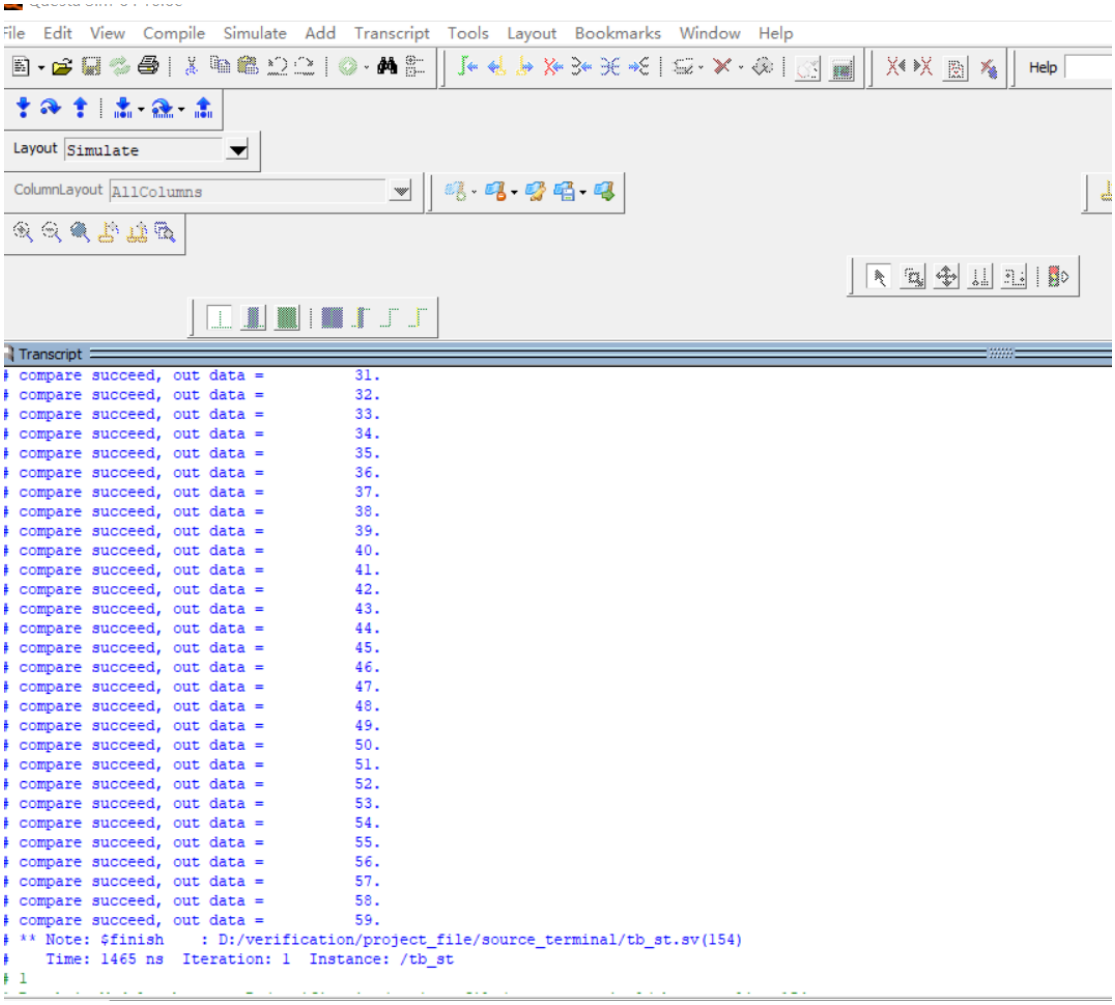
1.ready 信号拉低的通信情况：



2.valid 信号拉低的通信情况：


Wave - Default
Msgs
/tb_st/dut/source_...
/tb_st/dut/source_r...
/tb_st/dut/terminal...
/tb_st/dut/terminal...
/tb_st/dut/wr_data
/tb_st/dut/rstn
/tb_st/dut/clk
/tb_st/dut/rd_data
/tb_st/dut/source_f...
/tb_st/dut/source_f...
/tb_st/dut/terminal...
/tb_st/dut/terminal...
/tb_st/dut/ready
/tb_st/dut/valid
/tb_st/dut/data
Now
0.000001465 sec
Cursor 1
0.000001069 sec

3.检查传输数据无丢失:


File Edit View Compile Simulate Add Transcript Tools Layout Bookmarks Window Help
Help
Layout Simulate
ColumnLayout AllColumns
Transcript
compare succeed, out data = 31.
compare succeed, out data = 32.
compare succeed, out data = 33.
compare succeed, out data = 34.
compare succeed, out data = 35.
compare succeed, out data = 36.
compare succeed, out data = 37.
compare succeed, out data = 38.
compare succeed, out data = 39.
compare succeed, out data = 40.
compare succeed, out data = 41.
compare succeed, out data = 42.
compare succeed, out data = 43.
compare succeed, out data = 44.
compare succeed, out data = 45.
compare succeed, out data = 46.
compare succeed, out data = 47.
compare succeed, out data = 48.
compare succeed, out data = 49.
compare succeed, out data = 50.
compare succeed, out data = 51.
compare succeed, out data = 52.
compare succeed, out data = 53.
compare succeed, out data = 54.
compare succeed, out data = 55.
compare succeed, out data = 56.
compare succeed, out data = 57.
compare succeed, out data = 58.
compare succeed, out data = 59.
** Note: $finish : D:/verification/project_file/source_terminal/tb_st.sv(154)
Time: 1465 ns Iteration: 1 Instance: /tb_st
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