class mem\_agent extends uvm\_agent;

`uvm\_component\_utils(mem\_agent)

// uvm\_seq\_item\_pull\_port seq\_item\_port;

// uvm\_seq\_item\_pull\_export seq\_item\_export;

mem\_sequencer seqr;

mem\_driver dri;

mem\_monitor mon;

function new(string name = "mem\_agent",uvm\_component parent);

super.new(name,parent);

endfunction

virtual function void build\_phase(uvm\_phase phase);

super.build\_phase(phase);

seqr=mem\_sequencer::type\_id::create("seqr",this);

dri=mem\_driver::type\_id::create("dri",this);

mon=mem\_monitor::type\_id::create("mon",this);

endfunction

virtual function void connect\_phase(uvm\_phase phase);

super.connect\_phase(phase);

dri.seq\_item\_port.connect(seqr.seq\_item\_export);

endfunction

endclass