class monitor;

mailbox mon2sco;

virtual intf vif;

transaction trans;

function new(mailbox mon2sco,virtual intf vif);

this.mon2sco=mon2sco;

this.vif=vif;

endfunction

task put\_msg();

forever begin

@(vif.mon\_cb);

@(vif.mon\_cb);

trans=new();

trans.sel=vif.sel;

trans.coin=vif.coin;

trans.item=vif.item;

trans.change=vif.change;

// trans.qb=vif.qb;

mon2sco.put(trans);

trans.display("monitor");

end

endtask

endclass