Module arbiter(

input Rqst0, Rqst1, Rqst2, Rqst3,

input clk,resetn,

output reg Grant0, Grant1, Grant2, Grant3,

);

Reg [2:0]curg,nexg;

parameter one = 3’b000, two = 3’b001, three = 3’b010, four = 3’b011, burst = 3’b100;

always @(posedge clk)

begin

if(~resetn)

curg<=one;

else

curg<=nexg;

end

endmodule