module carries\_c32(pp,gg,cin,carry);

input [7:0]pp,gg;

input cin;

output carry;

assign#17 carry=gg[7] | pp[7]&pp[6]&gg[5] | pp[7]&pp[6]&pp[5]&gg[4] | pp[7]&pp[6]&pp[5]&pp[4]&gg[3] | pp[7]&pp[6]&pp[5]&pp[4]&pp[3]&gg[2] | pp[7]&pp[6]&pp[5]&pp[4]&pp[3]&pp[2]&gg[1] | pp[7]&pp[6]&pp[5]&pp[4]&pp[3]&pp[2]&pp[1]&gg[0] | pp[7]&pp[6]&pp[5]&pp[4]&pp[3]&pp[2]&pp[1]&pp[0]&cin;

endmodule