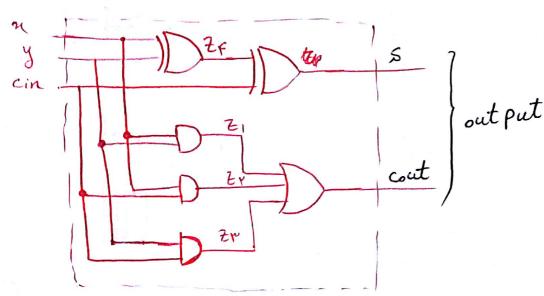
le Dr. Shaabany Seb TA verilog



Module fulladd (ein, x, y, s, cout);

output s, count; } default 1 bit

assign S = x/y/cin;

assign cout = (xky) (xkcin) (ykcin);

end module

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assign {cout,s} = x+y+cin;

Syntage:

Syntage:

and And 1 (Z,, x,y)

gate

module input c

Module fulladd (cin, x,y, s, cout)
input cin, x,y;
output s, cout;
wire Z1, Zy, Zy, Zy, Zx;
and And1 (Z1, x,y);
and And2 (Zy, x, cin);
and And3 (Zy, y, cin);
or Or1 (cout, Z1, Zy, Zy);
xor Xor1 (Zx, x,y);
xor Xor2 (S, Zx, cin);

endmodule

if (expression 1)

begin

end

else if (expression 2)

begin

end

else

begin

end

else

begin

if (s==0)

f=\omega_1;

always Q \(\frac{1}{2}\)

always Q \(\frac{1}{2}\)

end

end

if (s==0)

f=\omega_1;

always Q \(\frac{1}{2}\)

always Q \(\frac{1

Case (expression)
alternative 1: begin

and

alternative 2: begin

default: begin -> (5, mo)

end case