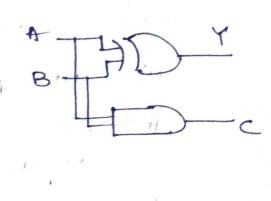
* HALF ADDER !-

-> Design code:

A	В	Y	C
0	0	0	0
0	ι :	1	0
1	0	1	0
\	1	0	



module HF (
input A, B,
output Y, c
);
Xob (Y, A, B);
and (C, A, B);
endmodule

[00]

module HF(

input A, B;

output Y, C.

);

assign Y = A 1 B;

assign I'C = A B;

endimodule

Testbench:

module HF (); reg A, B; wine Y, C; HE dut (A, B, Y, C); initial begin A=0; B=0; #10 A=0 3 B=13 # 10 A=1; B=0;

#10 A=1; B=1; #10 end \$ finish (); endmodule

> - 1911 Aug . 11 Cach topic . B . 1 1 - 7 . 1, 1 HAM WINDS

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