

DAY-34

#100DAYSOFRTL

PROBLEM STATEMENT:--

1. Consider the function f shown in the Karnaugh map below.

x_3, x_4 \ x_1, x_2		00	01	11	10
00	1	0	0	1	
01	0	0	0	0	
11	1	1	1	0	
10	1	1	0	1	

Write your solution here

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```
1 module top_module (  
2     input [4:1] x,  
3     output f  
4 );  
5  
6     assign f = (~x[1]&x[3])|(~x[2]&~x[4])|(x[2]&x[3]&x[4]);  
7  
8 endmodule  
9
```

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exams/2012_q1g — Compile and simulate

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Running ModelSim simulation. [Show Modelsim messages...](#)

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