

DAY-33

#100DAYSOFRTL

PROBLEM STATEMENT:--

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

| x_1x_2 | | | | | |
|----------|----|----|----|----|----|
| x_3x_4 | | 00 | 01 | 11 | 10 |
| | 00 | d | 0 | d | d |
| | 01 | 0 | d | 1 | 0 |
| | 11 | 1 | 1 | d | d |
| | 10 | 1 | 1 | 0 | d |

Write your solution here

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Load

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

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exams/m2014_q3 — Compile and simulate

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

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