Exams/2014 q3c

Given the state-assigned table shown below, implement the logic functions Y[0] and z.

Present state y[2:0]	Next state Y[2:0]		Output z
	x=0	x=1	
000	000	001	0
001	001	100	0
010	010	001	0
011	001	010	1
100	011	100	1

嗯 又是一個莫名奇妙的問題 讓我們繼續看下去

```
module top_module (
    input clk,
    input [2:0] y,
    input x,
    output Y0,
    output z
);
    assign Y0 =  x& ((y==3'b000) |(y==3'b010))|
            ~x& ((y==3'b001)|(y==3'b011)|(y==3'b100));

    assign z = (y==3'b011) | (y==3'b100);

endmodule
```