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課題 14-3

コード

TopModule.v

```
module TopModule(
    //////// CLOCK ////////
    input
                               CLK1,
   input
                               CLK2,
    //////// SEG7 ////////
    output
                    [7:0]
                               HEX0,
    output
                    [7:0]
                               HEX1,
   output
                     7:0]
                               HEX2,
    output
                               HEX3,
                    [7:0]
   output
                    [7:0]
                               HEX4,
                               HEX5,
    output
                    [7:0]
    /////// Push Button ///////
                    [1:0]
                               BTN,
    /////// LED ///////
    output
                    [9:0]
                               LED,
    //////// SW ////////
    input
                    [9:0]
                               SW
    );
   wire a, b, c, y;
    assign a = SW[3];
    assign b = SW[2];
    assign c = SW[1];
   my_circuit u1(a, b, c, y);
    assign LED = \{7'h0, a, b, c, y\};
    assign HEX0=8'hff;
    assign HEX1=8'hff;
    assign HEX2=8'hff;
   assign HEX3=8'hff;
    assign HEX4=8'hff;
    assign HEX5=8'hff;
endmodule
```

MyCircuit.v

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動作確認

真理値表どおりの光り方になることを確認した