```
`timescale 1ns / 1ps
// Company:
// Engineer:
// Create Date: 10/22/2020 02:40:39 PM
// Design Name:
// Module Name: Segment Display
// Project Name:
// Target Devices:
// Tool Versions:
// Description:
//
// Dependencies:
// Revision:
// Revision 0.01 - File Created
// Additional Comments:
module Segment Display(
   input [3:0] n,
   output [6:0] sego
   );
   MUX8 1 SegA(.in(\{1'b0, n[0], n[0], 1'b0, 1'b0, \sim n[0], 1'b0, n[0]\}),
.sel(n[3:1]), .out(sego[0]);
   MUX8 1 SegB(.in(\{1'b1, \sim n[0], n[0], 1'b0, \sim n[0], n[0], 1'b0, 1'b0\}),
.sel(n[3:1]), .out(sego[1]);
   MUX8 1 SegC(.in({1'b1, ~n[0], 1'b0, 1'b0, 1'b0, 1'b0, ~n[0], 1'b0}),
.sel(n[3:1]), .out(sego[2]);
   MUX8 1 SegD(.in(\{n[0], 1'b0, \sim n[0], n[0], n[0], \sim n[0], 1'b0, n[0]\}),
.sel(n[3:1]), .out(sego[3]));
   MUX8 1 SegE(.in(\{1'b0, 1'b0, 1'b0, n[0], n[0], 1'b1, n[0], n[0]\}), .sel(n[3:1]),
.out(sego[4]));
   MUX8 1 SegF(.in(\{1'b0, n[0], 1'b0, 1'b0, n[0], 1'b0, 1'b1, n[0]\}), .sel(n[3:1]),
.out(sego[5]));
   MUX8 1 SegG(.in({1'b0, ~n[0], 1'b0, 1'b0, n[0], 1'b0, 1'b1}),
.sel(n[3:1]), .out(sego[6]);
endmodule
```