	MOTOWOTOFOSO
	Name: SHAH RAZA
	REG NO: 18PWCSE1658
	SECTION: B
	SUBJECT: DSD
	Exam: MID TERM
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	PROBLEM 1:
	Solution:
	module country (clock, reset, out);
	input clock, yeset;
	output [2:0] out;
	wire Qno, Qn1, Qn2;
	wire w1, w2;
-	nor (w2, out[0], out[2]);
	and (w2, out[1], Qn2);
T	DFF dffo(out[2] clock, rejet, out[0], and
1	DFF dff1 (W1, (lock, veset, out[1], Qn1);
-	DFF dff2 (W2, clock, Yeset, out[2], Qn2);
+	
\parallel	endmodule
	CALL TO THE PARTY OF THE PARTY
STATE CONTRACTOR	

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PROBLEM 2:		
	3.	
Solutions) (
module Mux	8 to 1 (sel, ID, I1, I)	7. 73, 14,
	I5, I6, I7, C	
input	[2:0] Sel:	
,	IO, I1, T2, I3, I4, I5	,76,77;
	t DUT;	i diale
•	OUT;	
	in and	
alway	s @(*)	
	case (sex)	
	3'b000; 0L	UT = IO;
	3'6001: 01	UT = I1;
	3'bo10; 00	UT= I2;
of with the color	3'b 011: 01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	36100: 00	
<u> </u>	3'h101; D	
	3'5110: 0	
	3°b111: 0	DUT=17;
	endcase	
endmodule		