Experiment 5.

Aims Design wing dataflow and behavioral modelling

-> 4 bit binary to gray code conversion

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Software Used! Model Sim.

Gray cade system is a binary number system in which every successing pair of numbers alifers in only one bit. It is used in orbhication in which the mounts of frameworks I 4-bit binary to Gray Code? application in which the normal sequence of binary nos generated by the hardware may produce an every or ambiguity diving the transition from one no. to the ment

a surrection	R
G13 = 133	B3: • G12
G ₂ = B ₃ ⊕ B ₂	B2 0 (1)
G1 = B2 & B1	Bi Co
90 = B, OBO	80 - 1 10

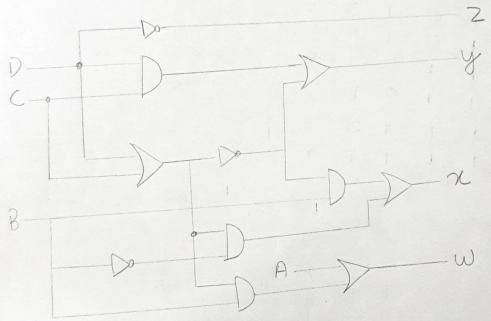
BINDRY CODE				(TK	DAY COI	Œ		
B3	B2	BI	Bo	G3 /	62	Gi	60	1
0	0	0	0	0	0	0	0	10.00
0	0	0	1 1	0	0	0	!	
0	0	1	01	0	0	!	0	
0	0	11	1	0	0 1	:	0	
0	1	0	0	0	11		i	
0	1	0	1	00	1	0		
0	1	1	0	0	1	0	0	
0	1.1	11	112	0		0	0	
11	0	0	0	1	11	0	1	
1	0	0	1	1		11		
	0	1	0	1	1		1	
	0	1	1	1	1	1	0	
		10	0	11	0	1	0	
1	1	0			0		1	-
1	1	0	1	1		10		-
1	1	1	0	1	0	0	1	-
		1	1	1	0	0	0	-
1	,			1.				-

If 4bit Gray to Binary Code back to binary code can be clone in Converting gray code back to binary code can be clone in a similar manner. Let B_3, B_2, B_4, B_6 be the binary bits with B_4 as $LSB & B_3 & R_4 & RSB & Similarly G_3, G_2, G_4, G_6 & are Gray codes with <math>G_6$ as $LSB & G_3 & RSB & G_3 & RSB & G_3 & RSB & G_3 & RSB & RSB$

Excess-3 binary cools is an unweighted self complementary BCD cools.

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Pelf complementary property means that the 1s complement of an excess-3 number is the excess 3 cools of the 9's complement of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Property of the Property of the Property of the Property of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number. The property is useful of the Coversponding decimal number.



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