Quiz 02

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Course: CSE231

Section: 10

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Ans to the and-1

×	Y	Z	C	S.
0	0	0	0	0
0	0	1	0	1
0	1	0	0	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

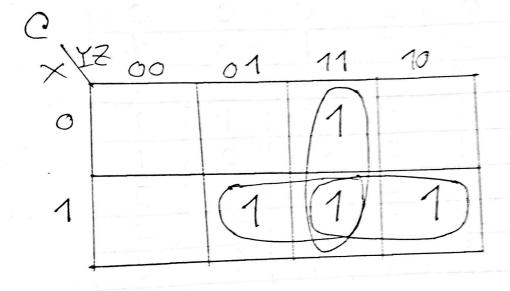
S				
XX	Z 00	01	11	10
O			i, t. Ir x.	11
1				

S=XYZ+XYZ+XYZ.

$$= \times (Y \oplus Z) + \times (Y \oplus Z)$$

$$= \times (Y \oplus Z) + \times (Y \oplus Z)$$

$$= \times (Y \oplus Z) + \times (Y \oplus Z)$$



$$C = \times Y + \times IZ + \overline{X} YZ$$
.
 $= \times Y + \overline{Z} (\times \overline{Y} + \overline{X} Y)$.
 $= \times Y + \overline{Z} (\times \overline{Y} + \overline{X} Y)$.

S=XATOZ **Z**-C=XX+ Z(X&Y) Fall adder circuit. F = BD+BC+ACD.

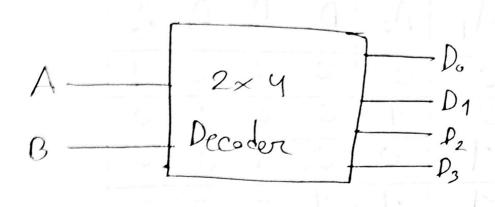
An to the QNO:02

F(A, B, C, D) = E(0, 1, 2, 5, 8, 9, 10)

_	D.	rither search							
AB		00		01		11		10	
00	0	1	1	1	-	3	2		
01	ч		5	1		7 0	6	0	
11	12		13	O		15.	14		•
10	8	1	9	1		11	10	1	~
			,						

F= BD+BC+ACD.

Ans to the QNO:03



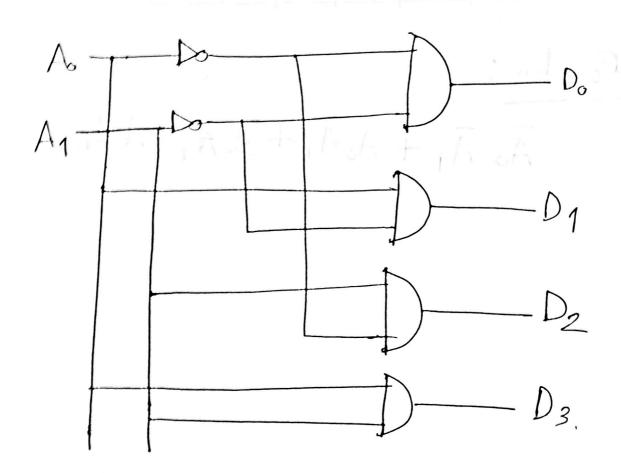


Fig: 2x4 Decodor circuit.

A	Ao	D_3	D		Pe
0		a a demandrativo contracturativo di	d annual	O	1
0	e de la constantina del constantina de la constantina del constantina del constantina de la constantina del constantin	0	a a demonstration of	1	0
1	0	0	a in reasonable of decisions is	0	0
1	1	a succession (1)		0	C)

Equation:

Ao. A1 + AoA1 + AoA1 + AoA1

E (1 ---

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