Silvas Schring of as ID: 2010 1402

is of it formers supplication of Kenne markers

Sec: 11

le company.

37 And 700,50

1) Pround

W) AND, OR, NOT GATE

un LED

IV) LOGIC STATE

Result:

1. F (A,B,C,D) = E (1,39,10,13,16)

2. I (A,B,C,D) = = (1,4,40,18)+d (35,-19,14)

Function 1

11		1		
A	3	2	ÌĎ.	Y
0-	0	0	0 0	
0	0	0		IX
0	0		0	0
0	0		111 41 = 1	1
0	. 1.	0	0	00
0	1	0	11/12	0
0	A A	Mes	0	10
0	1	4	1	0
	0	0	0	a
	Or	0		
4	0	1	D	1
1	0	1	ι	00
T	1	0	0	0
1	1	0	1	1
1	1	1	0.	0
1	1	1	1	

	0'8	C'D	CD	(1)	GD'	
A'B'		1	, 1	3	- Appl. 6	2
A'B	4	5	Proc chards	6		7
AB	11	13	1)	16	3 - 1 -0-5 to 1	14
AB'	1 2	9		121	1	10
	VA		8	:		

Y = A'B'D + B'E'D + ABD + ABCD' = A'B'CD + A'B'CD + AB'C' D = AB'CD' + ABCD' + ABCD

= A'B'D+B'C'D+ABD-

AB'CD'

Function 2!

	une	ion 2!				C ( ( ( A ) 7 )
			(31,8)	01,	351	1. F (A, B, C, D) = E (:
A	A	B	CD			2. (A,B,C,D) = 2 -
2	0	0	0 0		5	
	0	0	0 1	1		1 x 3 2
	0	0	1 0		0	1 × B 7 6
	0	0	1 1		X	× 1 13 × 14
	8		0	)		
	0		0	1	X	31 91 0
	0			O.	0	Y= A'B'D +A'BC'+ABD'+ABD
	,0			1	0	
		0	0	0	0	: A'B'C'D + A'B C'D +
1	17-	0)	100	1	0	ABCD'+ ABCD
The second second		0	35 Au .	0		= A'B'D + A'Be' + ADD
	A STATE OF THE STA	0	10 1	7	0	OTOACD
			0	0	00	
			0	1	X	
	1			0	×	
		1	1	1	1	
				AND DESCRIPTION OF THE PARTY OF		

	1	]x]	2
1 9	X B	77	E
12	7 13	18	1
3	9	ni.	10/-

Discussion:

1. The simplification by know was cosier-

2. In this case, parallel correction work.