Ple su Catalin TI 206

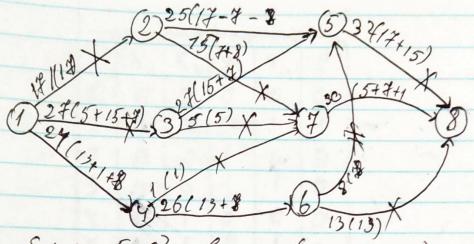
Varianta Bilet Nr 17. Minimizare FC DN: Minimizarea Sunctica a seep utilizarea in practica a unui numar cat mon mie de tipuri de circuite logice. FC DN poate si minimizate prin mai multe metode rentru a obdine FDU (forme disjunctiva minima).

Metoda diagramei harungh! este solosita pentru a compactiza tabelele de adeva. Daca sunctia confine n elemente otunci diagrama este un tablou bidimensional cu 2º einii si 2º coloane, Pt 9=h.

TI 206

Pasa Cartalin

Formula Cocalà Bernelli $R = P(\xi = \kappa) = \frac{1}{n+1}$, $\kappa = 0,1,2...h$ (Ex3) Ford - Fulker Son



l, 281,2,5,83 E, 2 min (17,25, 32) = 17 l2 = { 1, 3, 7,8} (2= min(27, 5,30) = 5 C3 = { 1, 3, 5,8} & 3 = huh (22,27,15)=15

ly = { 1, 3, 5, 2, 7, 8} & = min (7, 12, 17, 15, 25)=7 Obz { 1, 4, 6, 8} & z hih (24, 26, 13) = 13 C6 z { 1, 4, 7, 8} & 6 = 1

Cz = { 1, 4, 6, 5, 2, 7, 8}

Og 2 { 10, 13, 8, 10, 8, 17} = 8

A = {2,3,5,4,8}

taietura de capacitale nivira

WIA = 8 (1,2), (1,3), (4,7), (6,5), (6,8)

Conform tearns ford fulperson

J. max = ((17+ 27+ 1+9+13)=66

f(x,, X2, X3, X4) = Z(1, 6,7, 9, 12, 13, 14, 15)

TI 206 Plesa Cadalin

		1	_		
	X	X2	X3	X4	f
0	0	0	0	0	0
1	0	0	0	1	1
2	0	0	1	0	0
3	6	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	O	1	1	0	1
F	0	1.	1	1	1
8	1	0	0	0	0
9	1	0	G	1	1
10	1	0	1	0	0
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	B	1.	1
14	1	X200001111100001111	X3 0 0 1 1 0 0 1 1 0 0 1	. 0	1
0123456789101121314	X 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1	4	1.	X 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	fo1000011001001111
/	/	1			/

FCDN 1 X1 X2 X3 X4 V X1 X2 X3 X4 FCCN: (X, V X2 V X3 V X4) 1 (X, NX2 V X3 V X4) 1 (X, V X2 V X3 V X4) 1 (X4 V X2 V X3 V X4) 1 (X1V \ V X V X 4) M (X1 V X 2 V X3 V X4) M (V1 V X2 V X3 V4) M (X1 X X 2 V X3 V X4)

Minimizora Quine: FC DN: X, X2 X3 X4 + X1 X2 X3 X4 P X, X 2 X3 Xq + X1 X2 X3 X4 P X1 X2 X3 X4+ Alipitra I 1 7, X2 X3 X4 V X, X2 X3 X4 = X3 X3 X4 @ X, X2 X3 X4 V X1 X2 X3 X4 = X1 X2 X3 3 x, X2 x3 xy V x, X2 x3 x4 = X1 x2 x3 + 1 X1 X2 X3 X4 V X1 X2 X3 X4 = X1 X2 X3 X1. T Alipina I O \$2 X3 84 Bay, X1 K2 X3 V X1 X2 X3 = X1 X2

TI 206

Catalin

Plysa

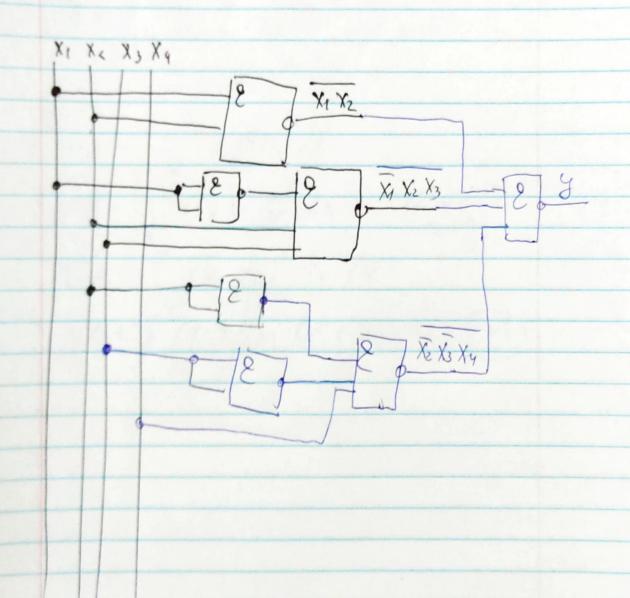
Pai hui 6 4: X2 X5 X4 3 0 1 X1 Y2 X3 B 0 1 0 0 XI YZ 1 0 0 0 B 0 B A FDM = X1 X2 U X1 X2 Y3 U X2 X3 X4

Metoda Karnugh:

	Y.Y.					
X	19	00	01	11	10	 $TCD, = X_1 X_2$
	00	0	0	14	U	-TCD, = X, X, X3
	01	(9)	0	1	0	TCD3 = V2 X3 X4
	11	0	1	1	0	
	10	O	1	1	0	
/			1			

FDM = X1 X2 V X1 X2 X3 V X2 X3 X4





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 $\begin{cases}
E \times 5 \\
f(x) = \begin{cases} e(x-3), x(E3, 4) \\
0, x \notin C3, 4 \end{cases}
\end{cases}$ $\begin{cases}
0, x \notin C3, 4 \end{cases}$ $\begin{cases}
0, x \notin C3, 4 \end{cases}
\end{cases}$ $\begin{cases}
0, x \notin$