1. IDENTIFICACIDA I IMENOVAME ULARMIH I IZCAZNIH PROMJENLIVIH

NKOLO IMA 4 ULARA (Xo,X1,X2,X3) OBZIROM DA JERNEČ O 4BITNOJ

CIFRI 1 7 IZLARA A,B,C,D,E,F,G,KAKO JE NAVEDEND

V POSTAVCI.

2. TABELA ISTINE

Xo	X.	X	X ₃	11 A	B	C	10	F	IF	19
0	0	1	1	1	1	1	1	1	/	1 0
0	1	0	0	0	1	1	0	0	. 0	0
0	9	0	1	1	1	0	1	1	0	1
0	1	1	0	1	1	1	1	0	0	1
0	1	1	1	0	1	1	0	0	1	1
1	0	0	0	1	0	1	1	0	1	1
1	0	0	1	1	0	1	1	1	1	1
1	0	1	0	1	1	1	0	0	0	0
1	0	1	1	1	1	1	1	1	1	1
1	1	0	0	Λ	1	1	1	0	Λ	1
05	TALE	ONBINA	CISE	X	X	X	X	X	t	X

3. K - MAPE $X_0 X_1 X_2 X_3$ $X_0 X_1 X_2 X_2 X_3$ $X_0 X_1 X_2 X_2 X_3$ $X_0 X_1 X_2 X_2 X_3$ $X_1 X_2 X_3 X_4 X_5$ $X_1 X_2 X_3 X_4 X_5$ $X_1 X_2 X_3 X_4 X_5$ $X_2 X_3 X_4 X_5$ $X_1 X_2 X_3 X_4 X_5$ $X_2 X_3 X_4 X_5$ $X_1 X_2 X_3 X_4 X_5$ $X_2 X_3 X_4 X_5$ $X_1 X_2 X_3 X_4 X_5$ $X_2 X_3 X_4 X_5$ $X_1 X_2 X_4 X_5$ $X_2 X_4 X_5$ $X_1 X_2 X_5$ $X_2 X_4 X_5$ $X_1 X_2 X_5$ $X_2 X_4 X_5$ $X_2 X_4 X_5$ $X_1 X_2 X_5$ $X_2 X_4 X_5$ $X_2 X_4 X_5$ $X_1 X_2 X_4 X_5$ $X_2 X_4 X_5$ $X_3 X_4 X_5$ $X_4 X_5 X_5$ $X_4 X_5 X_5$ $X_5 X_5 X_5$ X_5

	10 4 1 1	10 110 1
KIVX VXZ	C.	D:
	XOVXZVX3	1/2 X3 V X2 X3 V X0 X2 V X0 X2 X3
V. V		=(K' VK' VX3) V (KOVK2 VX3)
X2X3	X2X3	V (X1 VX2 VX3)
00 01 11 10 00 X X I X 01 11 1 X X X 10 1 1 1	XOXA 00 0 4 0 P X X 0 1 A 10 A 1	71
F:	G:	
XoX2VX2X3	XoX2 V	X0X3VX, X3VX1X2

00 01 11

119

00/2/12

 $x_2' x_3 \vee x_1' x_3 = x_3(x_2' \vee x_1')$ = $(x_1' \overline{\wedge} x_3) \overline{\wedge} (x_2' \overline{\wedge} x_3)$

X2X3

0001 1110

00/x/R

13145 15 ALU (A-B) (AB) (A+B) FI=0 Fz=0: ODUZIMANJE (A-B) PA DE POTREBAN JEDNOBITNI ODUZIMAČ: 1- VZAZI / 1ZLAZI ·NLAZIS A, B, ola · IZLAZI: R, COUT 2. TABELD ISTINE A cln

0

cOut = clnA1 + A'B+clnB

F1=0 F2=1: NEGIRANJE B' PA JE POTREBNA JEDNOBITNA
NEGACIJA 1: 20 B INOTES 3. LA OVAS IZRAZ NAM MITE POTREBLO NISTA OSIM ULAZ B O 1 KOLA NOT KOJA JE U SULTINI JEDNOB TI IZLAZ MOTB 1 O NEGACIJA.

KOLA NOT KOJA JE U SULTINI JEDNOBĪNA

FI=1 FZ=0 = NEGICANJE (AB) PA JE POTREBAN. DEDNOBITM 3. K-MAPE ABO 1 A+B 100 = (A'VB')

A | B | MOTAB

2. TABELD

A 1 B 1 A - ORB

3. K-MAPE +B01 B+A=A'1B'

OVLATI: A, B · ITLAT: (AB)'
NOTAB

0171071: A-OR-B

1. ULAZI/ IZLAZI

F1=1 F2=1; LOGIČKO A+B ZITABELA 1. VLDZ/12LDZ OLATI: A,B

3 1. ULAZI / 12L1071 1 ULAZA: ~ 86itni. BROJ (ROTIRANE (PONJERANE) SIGNAL M ~ 16it KONTROLNI (STRANA LIJEVOLDESNO) 5 KONTROLNI SIGNAL ~1bit (BROJ M DESTA) SIGNAL C ~ 351+ 1 12LAZ ? ~ 8 bit BROJ 2. TABELA 00 06/05/04/03/02 011 C(CO) 071 AO 14 3 Cz A71A61 A4 (A3) A2 A1 A5 AO A6 A5 0 AZ AG 0 0 A3 A, A1 X X 0 X 1 X X X AS 40 44 Ab 14 0 0 0 A3 AI 0 A 1 X X X X X Do XI AZ A6 ALT 0 1 0 19 43 A2 X X V X X X X An AS 0 0 0 1 A2 Ao A6 41 1 Ag A3 X X X X A3 AI 1 0 Az 40 × AZ 0 0 AG AS X An X V X AY 1 0 0 0 63 Az_ Do A5 AI AG X 1 AS X V X X X5 Ay 0 0 AO 0 A1 A1. 1 A3 AZ AL X X X X x X 0 A6 0 Ay A3 A7 An 1 1 A5 Ao-AX 1 X X X X X X 0 1 0 A2 0 176 Az 0 A9 AL AG AI A O 义 X X X × X Q X 0 1 0 AD 1 As 85 An A3 A7 A1 A P X X X X X X AZ AO X X AI AG 1 0 AS An A3 AZ 0 0 1 X X X X X 47 16 X AO An An X A5 1 AL A3 1 1 0 4 X X 1 X X V An 16 A5 43 A4 AO A7 A2. 0 1 0 1 0 X X 2 X X X Aa A6 AS × X AO AM A3 A1 1 A2 0 ٨ 0 X A5 X A6 Ay AL A3 A2 X Ao X X X AA 1 1 1 X 1 Ay X 10 A5 Az A6 An AI AC AT 1 1 T X 0 1 1 X X X AZ A5 A3 A6 A, An 0 0 AZ AO 0 X 0 X X × V A6 A5 14 0 AZ A3 A, X X AI 1 0 X X 1 0 0 0 47 A6 45 An A3 0 AZ 0 1 X 4 X 47 1 0 0 AL A5 Ay 0 + 0 1 0 1 A3 × X + X 0 AZ Ab 0 1 0 0 0 As 0 1 1 14 X X XI 1 0 x 0 0 1 0 0 0 0 1 A7 AL AS X V X 1 10 X 1 0 0 1 0 0 0 0 0 A7 X A6 Y X 1 1 1 0 1 0 0 0 0 X D X 0 D X A7 X X X 0 A6 Air 0 A7 An 1 4 A3 Az X An AO X X X 1 45 AL A3 AZ 0 Ab X 1 0 AI 1 AO 2 X X 0 + 0 A2 11 X A5 As Ah 0 1 AO 0 X 0 X AG A3 A2 AI Ao 1 0 1 0 0 1 4 0 X X 1 X An 0 A3 An 0 0 Ao 0 0 X 1 1 0 1 X X 0 6 0 0 AZ AI AO D 0 1 1 X X X Ao 0 AI 0 0 0 0 0 1 1 1 AO 0 0 0 1 0 1 X X 1 1 0 0 L 4 X 0

4)
1. IDENTIFICACISA I MENOVANJE ULAZA I IZLAZA

1. IDENTIFICACISA I MENOVANJE ULAZA I IZLAZA VLAZI : X, y, y VECEIN, X Veceln, jednakiln IZLAZI: y Vece Out, x Vece Out, jednaki Out

PRAVIMO JEDNOBITH, KOMPARATOR I KORISTIMO GA 8X

2. TABELA ISTINE

X	1 4	1 y Veceln	1 x Veceln	1 jednakiln	11 y Vece Out	1 x Vece Out	1 jednaki Out
0	0	0	0	1	0	0	1
0	0	0	1	0	0	1	0
0.	0	1	0	0	1	0	0
0	1	0	9	1	1	0	0
0	1	0	1	0	0	1	0
0	9	1	0	0	1	0	0
-	-		0	1	0	1	0
1	0	0	-	0	0	1	0
1	0	0	0	0	1	0	0
1	0	1	O				
1	1	0	0	1	0	0	A
1	9	0	1	0	0	1	0
1	1	1	0	0	4	0	0
0	STA	HLE KE	MBINAC	115	X	X	X
3.	K-M	APE	XV	leceln,	L	,	Veceln

3. K	2-M1	APE		
X Ve	ecelny	1		
X,y,	00	0.1	11	10
y Veceln	X		X	
001	1	X	X	X
011	I	A	X	X
010	X	1	X	
			X	
400	1	-	X	X
101	1	1	V	X
111	1			
110]	X			-
y Vece	Out:	0.1	, \	M
y Vecel	n + k	'y (x h	lece !)

jedn	akiln				
yverely	00	01	11	10	7
000	X		IX	1	1
001		X	X	X	
0 14		X	X	X	L
010	X		X	1	=
100	X	1	X	0	
104		X	X	X	
111		X	X	X	
110	4		V		
XVe	eceC	ot:	1/ \	, ,)	1
x Ve	eln	+ x(4	f) (g 1	Veceln)	

jednak	ciln			
y vecen eo	01	11	10	10
000	to	X	X	2
001	7	X	X	1
010 X		X		1
100 X		+		4
101	X	X	X	4/
411	1	X		U/A
110	1-0			414
jedn vg jedn	akil	n+1	x) (1 jedala
raseau	ar.i		, , ,	f) 3