&

Quine - McClusky method

I. F(w,x,4,3) = {(1,4,6,7,8,9,10,11,15)

4 2 1

W x y z

-0 0 0 1

(1)

0 0

20 100

(4)

on

10 110 (6)

0 111 (7)

~1000 (**8**)

Bhg D

йнуз

0001(1)~

001 (1)~

minterns

Stg **2**

thi

w x y z ~00

1(1.9)

0 100 (4) 40

140(4,6) 1000

(8)4100-(8,914 0

110 (0) 4, 0-0

(8,10)4

(1) 0.01.

(4) 19.?!

2010 (10)

011 (67)

£ da 1 (1 !!) ~

0 |1,1

(714+O

0.1 |

(11)

1011

(11).10.1161

1010 (10)

~|||| (15)

101.

(10,

1

1 1 1 715

! ! !(15)

/

1 - 1 1

(11,15)

юнуз

10

ssg3

-(8,9,

2011)

10 – – (8,19,

9, 11)

PJ x => wx' +

xyz+w're}'tw"by+rystwys

→ generate Foverage

table

(EPIA)

>

rows - PIO

colimus

PID

minterms

{(1,4, 6, 7,

8, 9, 10, 11,

15)

10

15

X

wx

(8,9,10,1)

xy`2

(1,9) X

4 6789

XXX

x

x

w

wxz

(4,6)

xx

w

w`ry

(6,7)

x

(Xyz

(7,15)

wyz

(11,15)

EP?

сон

уз

xyz

x

x

4,

3)

$$x\ y\ z + w\ x\ z + wx2 +$$

$$xyz = fluxe, 4, 8,$$

ę

to

oc
ce

21

2

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12

13

14

| મે

it

H

& wal +w'x3' +

xyz + 24}

丘

II |(A, B, C, D) = {(0, 1, 2, 3, 10, 11, 12, 13, 14, 15)

uleg

: £= N'B' + BC+

MB Tor

at

ᒐ

=

A'B' +AC +

AB

B'TAC

→

Assignme

nt

$$[\mathrm{II}\sqrt{(A, B, C, D)} = \{m(4,5,6,8, 9, 10, 13)+d(0, 7, 15)$$

办
2
1

ABCD

voooo (0) 20

100 (4)

ec

L01 01 (5) 0

1 10 *(6)*

11 (7) 11000

(8) 1001

(9)

(10)

-

~1010

1101 (13

Atg|

A B C D

0 100 (44

0101 (5)

1

stg 2

ABCD

00006010–00(04). 01

(4)4-000 (98)

10000) 40 10-(4,

5)4

+(9) 0.110

0 \

0(4,

100-(89) 1 201

(9) 4 10_0

(8, 10)

1010 (10)

0111401-1657) 1101

(10) ~ 101 (5, 13)

1101(10)

| || |

(15)

10 11-(67)

яку з

A B C D

01

(4,5,6,7) -(4,6,5,7)

-1/5,

7,315)

1(5,13,7

15)

–

|||| (5)

–01(9,13

)

(4,564

)

–111(7,15

(0,3)

1 1 – 1 (13,
115)

(8,9)

(8.10)

(9,13)

(53,1

3,15)

(1,4)

}

A'BT BD + A'C'D'+ B'C'D' + AB'C' +
AB'D'+ AC'D => P.I

赤

AB

(4,5,6,7

BD

(5,7,13,1

5)

4 5 6

xxx

X

x

8

x

111

A'c'D'

(0,4)

B'('3'

(0,8)

AB'C '

(39)

JABO

(810)

ACD

(913)

x

XX

XIX

X

X

X

X

F(A,B,C,D)= AB+ AB'D'
+ACDE.R.IS

AB'D'+

Aco