



Karnaugh map belongs to the circuit whose output is G.

There are four 1s groups.

$$G = \bar{a}\bar{c} + \bar{b}\bar{a} + \bar{b}\bar{c} + \bar{b}\bar{a}$$

$$G = \bar{a}(\bar{b}+\bar{c})\bar{d} + (\bar{b}+\bar{c})\bar{c} = 0$$

$$G = (\bar{b}+\bar{c}).(\bar{b}+\bar{c})$$

0

Karnavah map belongs to the circuit whose output

There are two 1s groups.

G # F

They are opposite of each other. They are not equivalent circuits.

1	a	6	c	9	F	
1	0	0	0	0	1	0 15 even
3000	01	0	0	1	0	
1	0	0	1	0	0	
-	0	0	1	1	4	2 is even
-	0	4	0	0	0	
- Jane	0	1	0	1	4_	213 even
1	0	1	4	0	1	2 is even
H	0	1	1	1	0	
1	1	10	0	0	0	
t	1	0	10	1	11	2 75 even
1	1	10	1	0	1	2 75 EVEN
+	1	10	1	1	0	
+	1	1	0	0	11	275 EXEN
1	A	1	10	11	0	
1	A	1	11	0	0	
	1	11	11	1	11	Ly is even

10 01 1 0

XXXX booler expression ab+ ba & x NOR boolen = 6+00

Karnough map belongs to the circuit.

F = ab Ed + ab cd + ab Ed +abed +abed +abed + abed + abed

F= ab(Ed+cd)+ab(Ed+cd) + a to (to + c to) + a b (to to + c to)

F= ab(c @d)+ab(c @d)

+ a [(D d) + ab (c D d)

 $T = ((\triangle \oplus b) \oplus (c \oplus d)) \oplus 1$

(c &d) (ab+ab)+ (c &d) (ab+ab) (c ⊕d) (a ⊕ b) + (c ⊕d) (a ⊕ b) $\times Y + \times' Y' = (\times \oplus Y)$

Truth Table of tivosis

XA1=X' ==(aBb) & (cAd