



<i>mintermo</i>	A	B	C	D	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>sin</i>	C-2
0	0	0	0	0	1	1	1	1	1	1	0	0	0
1	0	0	0	1	0	0	0	0	1	1	0	0	1
2	0	0	1	0	1	0	1	1	0	1	1	0	2
3	0	0	1	1	1	0	0	1	1	1	1	0	3
4	0	1	0	0	0	1	0	0	1	1	1	0	4
5	0	1	0	1	1	1	0	1	1	0	1	0	5
6	0	1	1	0	1	1	1	1	1	0	1	0	6
7	0	1	1	1	1	0	0	0	1	1	0	0	7
8	1	0	0	0	1	1	1	1	1	1	1	1	-8
9	1	0	0	1	1	0	0	0	1	1	0	1	-7
10	1	0	1	0	1	1	1	1	1	0	1	1	-6
11	1	0	1	1	1	1	0	1	1	0	1	1	-5
12	1	1	0	0	0	1	0	0	1	1	1	1	-4
13	1	1	0	1	1	0	0	1	1	1	1	1	-3
14	1	1	1	0	1	0	1	1	0	1	1	1	-2
15	1	1	1	1	0	0	0	0	1	1	0	1	-1

Figura 2: Tabela-verdade a ser preenchida com o comportamento do circuito.

		$\sim C \sim D$	$\sim C D$	$C \sim D$	$C D$
$\sim A \sim B$	00	1	0	0	0
$\sim A B$	01	0	1	0	0
$A \sim B$	10	0	0	1	0
$A B$	11	0	0	0	1

$$F_A = A \sim B + B \sim C \cdot D + \sim A \cdot C + C \cdot \sim D + \sim B \cdot \sim D$$
  

		$\sim C \sim D$	$\sim C D$	$C \sim D$	$C D$
$\sim A \sim B$	00	1	0	0	0
$\sim A B$	01	1	0	0	0
$A \sim B$	10	0	0	1	0
$A B$	11	0	0	0	1

$$F_B = \sim C \cdot \sim D + \sim A \cdot B \cdot C + A \cdot \sim B \cdot C + \sim A \cdot B \cdot \sim D$$



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PlayStation.

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	$\sim C \sim D$	$\sim C D$	$C D$	$C \sim D$
	00	01	11	10
$\sim A \sim B$ 00	1	0	0	1
$\sim A B$ 01	0	1	0	1
$A B$ 11	0	1	0	1
$A \sim B$ 10	1	0	0	1

$$F_C = \sim B \cdot \sim D + C \cdot \sim D$$

	$\sim C \sim D$	$\sim C D$	$C D$	$C \sim D$
	00	01	11	10
$\sim A \sim B$ 00	1	0	0	1
$\sim A B$ 01	0	1	0	1
$A B$ 11	0	1	0	1
$A \sim B$ 10	1	0	0	1

$$F_D = \sim B \cdot \sim D + C \cdot \sim D + B \cdot C \cdot D + \sim B \cdot C$$

	$\sim C \sim D$	$\sim C D$	$C D$	$C \sim D$
	00	01	11	10
$\sim A \sim B$ 00	1	0	1	1
$\sim A B$ 01	1	1	1	1
$A B$ 11	1	1	1	1
$A \sim B$ 10	1	1	1	1

$$F_E = \sim A \cdot B + A \cdot \sim B + C + \sim D$$

	$\sim C \sim D$ 00	$\sim C D$ 01	$C D$ 11	$C \sim D$ 10
$\sim A \sim B$ 00	1	0	1	1
$\sim A B$ 01	1	4	0	5
$A B$ 11	1	12	1	13
$A \sim B$ 10	1	8	1	9

$$F_F = A \cdot C + \sim A \cdot \sim B + A \cdot B + B \cdot C \cdot D$$

	$\sim C \sim D$ 00	$\sim C D$ 01	$C D$ 11	$C \sim D$ 10
$\sim A \sim B$ 00	0	0	1	1
$\sim A B$ 01	1	4	1	5
$A B$ 11	1	12	1	13
$A \sim B$ 10	1	8	0	9

$$F_G = C \cdot \sim D + \sim B \cdot C + B \cdot \sim C + A \cdot \sim D$$

	$\sim C \sim D$ 00	$\sim C D$ 01	$C D$ 11	$C \sim D$ 10
$\sim A \sim B$ 00	0	0	0	2
$\sim A B$ 01	0	4	0	5
$A B$ 11	1	12	1	13
$A \sim B$ 10	1	8	1	9

$$F_{sim} = A$$