#	A	B	C	D	S3	S2	S1	S0
		Código				**Saídas**		
0	0	0	0	0	0	0	0	1
1	0	0	0	1	0	0	1	0
2	0	0	1	0	0	0	1	1
4	0	1	0	0	0	1	0	0
5	0	1	0	1	0	1	0	1
6	0	1	1	0	0	1	1	0
8	1	0	0	0	0	1	1	1
9	1	0	0	1	1	0	0	0
10	1	0	1	0	1	0	0	1
13	1	1	0	1	0	0	0	0

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		AB			
		00	**01**	**11**	**10**
CD	**00**	0	4	12	8
	01	1	5	13	9
	11	3	7	15	11
	10	2	6	14	10

S3

		AB			
		00	**01**	**11**	**10**
CD	**00**			X	
	01				1
	11	X	X	X	X
	10			X	1

S2

		AB			
		00	**01**	**11**	**10**
CD	**00**		1	X	1
	01		1		
	11	X	X	X	X
	10		1	X	

S1

		AB			
		00	**01**	**11**	**10**
CD	**00**			X	1
	01	1			
	11	X	X	X	X
	10	1	1	X	

S0

		AB			
		00	**01**	**11**	**10**
CD	**00**	1		X	1
	01		1		
	11	X	X	X	X
	10	1		X	1

MIN TERMOS S3

1 A˜BD
2 AC

MIN TERMOS S2

1 ÃB
2 A˜C˜D

MIN TERMOS S1

1 ÃC
2 Ã˜BD
3 A˜C˜D

MIN TERMOS S0

1 ÃBD
2 ˜B˜D

S3(A, B, C, D) = A.˜B.D + A.C
S2(A, B, C, D) = Ã.B + A.˜C.˜D
S1(A, B, C, D) = Ã.C+Ã.˜B.D+A.˜C.˜D
S0(A, B, C, D) = Ã.B.D+˜B.˜D