Aluno: Leonardo Boniatti

ATIVIDADE 2 - PROJETO DE DECODIFICADOR C-2 PARA DISPLAY DE 7-SEGMENTOS

A	B	C	D	*a*	*b*	*c*	*d*	*e*	*f*	*g*	*sin*	C-2
0	0	0	0	1	1	1	1	1	1	0	0	0
0	0	0	1	0	0	0	0	1	1	0	0	1
0	0	1	0	1	0	1	1	0	1	1	0	2
0	0	1	1	1	0	0	1	1	1	1	0	3
0	1	0	0	0	1	0	0	1	1	1	0	4
0	1	0	1	1	1	0	1	1	0	1	0	5
0	1	1	0	1	1	1	1	1	0	1	0	6
0	1	1	1	1	0	0	0	1	1	0	0	7
1	0	0	0	1	1	1	1	1	1	1	1	-8
1	0	0	1	1	0	0	0	1	1	0	1	-7
1	0	1	0	1	1	1	1	1	0	1	1	-6
1	0	1	1	1	1	0	1	1	0	1	1	-5
1	1	0	0	0	1	0	0	1	1	1	1	-4
1	1	0	1	1	0	0	1	1	1	1	1	-3
1	1	1	0	1	0	1	1	0	1	1	1	-2
1	1	1	1	0	0	0	0	1	1	0	1	-1

a=A*~B+C~D+~B*~D+~A*C+B*~C*D

AB/CD	00	01	11	10
00	1		1	1
01		1	1	1
11		1		1
10	1	1	1	1

b=~C*~D+A*~B*C+~A*B*~C+~A*B*~D

AB/CD	00	01	11	10
00	1			
01	1	1		1
11	1			
10	1		1	1

c=C*~D+~C*~D*~B

AB/CD	00	01	11	10
00	1			1
01				1
11				1
10	1			1

d=C*~D+C*D*~B+~C*D*B+~C*~D*~B

AB/CD	00	01	11	10
00	1		1	1
01		1		1
11		1		1
10	1		1	1

e=~C*~D+~C*D+C*D+~A*B+A*~B

AB/CD	00	01	11	10
00	1	1	1	
01	1	1	1	1
11	1	1	1	
10	1	1	1	1

f=~C*~D+~A*~B+A*B+A*~B*~C+C*D*B

AB/CD	00	01	11	10
00	1	1	1	1
01	1		1	
11	1	1	1	1
10	1	1		

g=C*~D+C*D*~B+~C*D*B+~C*~D*B+~C*~D*A

AB/CD	00	01	11	10
00			1	1
01	1	1		1
11	1	1		1
10	1		1	1

sin=A*B+A*~B

AB/CD	00	01	11	10
00				
01				
11	1	1	1	1
10	1	1	1	1