A	B	C	D	a	b	c	d	e	f	g	LED
0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	1	0	1	1	0	0	0	0	1
0	0	1	0	1	1	0	1	1	0	1	2
0	0	1	1	1	1	1	1	0	0	1	3
0	1	0	0	0	1	1	0	0	1	1	4
0	1	0	1	1	0	1	1	0	1	1	5
0	1	1	0	1	0	1	1	1	1	1	6
0	1	1	1	1	1	1	0	0	0	0	7
1	0	0	0	1	1	1	1	1	1	1	8
1	0	0	1	1	1	1	0	1	1	1	9
1	0	1	0	1	1	1	0	1	1	1	A
1	0	1	1	0	0	1	1	1	1	1	B
1	1	0	0	1	0	0	1	1	1	0	C
1	1	0	1	0	1	1	1	1	0	1	D
1	1	1	0	1	0	0	1	1	1	1	E
1	1	1	1	1	0	0	0	1	1	1	F

led a

CD	00	01	11	10
00	1	0	1	1
01	0	1	1	1
11	1	0	1	1
10	1	1	0	1

led b

CD	00	01	11	10
00	1	1	1	1
01	1	0	1	0
11	0	1	0	0
10	1	1	0	1

led c

CD	00	01	11	10
00	1	1	1	0
01	1	1	1	1
11	0	1	0	0
10	1	1	1	1

led d

CD	00	01	11	10
00	1	0	1	1
01	0	1	0	1
11	1	1	0	1
10	1	1	1	0

led e

CD	00	01	11	10
00	1	0	0	1
01	0	0	0	1
11	1	1	1	1
10	1	0	1	1

led f

CD	00	01	11	10
00	1	0	0	0
01	1	1	0	1
11	1	0	1	1
10	1	1	1	1

led g

CD	00	01	11	10
00	0	0	1	1
01	1	1	0	1
11	0	1	1	1
10	1	1	1	1

EXPRESSÃO SIMPLIFICADA	
LED A	(A.~B.~C) + (A.~C.~D) + (C.~D) + (~A.~B.~D) + (~A.B.D) + (~A.C) + (B.C)
LED B	(~A.~B) + (~A.~C.~D) + (~A.C.D) + (A.~B.~C) + (A.~B.~D) + (A.~C.D)
LED C	(A.~B) + (~A.B) + (~C.D) + (~A.~C) + (~A.D)
LED D	(A.~C) + (~A.~B.C) + (~A.~B.~D) + (B.~C.D) + (A.~B.D)
LED E	(C.~D) + (A.B) + (A.~C.~D) + (A.C.D) + (~A.~B.~D)
LED F	(~C.~D) + (A.~B) + (~A.B.~C) + (A.C) + (B.C.~D)
LED G	(C.~D) + (A.~B) + (~A.~B.C) + (~A.B.~C) + (A.D)