Α	В	С	D	Hex	а	b	С	d	е	f	g
0	0	0	0	0	1	1	1	1	1	1	0
0	0	0	1	1	0	1	1	0	0	0	0
0	0	1	0	2	1	1	0	1	1	0	1
0	0	1	1	3	1	1	1	1	0	0	1
0	1	0	0	4	0	1	1	0	0	1	1
0	1	0	1	5	1	0	1	1	0	1	1
0	1	1	0	6	1	0	1	1	1	1	1
0	1	1	1	7	1	1	1	0	0	0	0
1	0	0	0	8	1	1	1	1	1	1	1
1	0	0	1	9	1	1	1	1	0	1	1
1	0	1	0	Α	1	1	1	0	1	1	1
1	0	1	1	b	0	0	1	1	1	1	1
1	1	0	0	С	1	0	0	1	1	1	0
1	1	0	1	d	0	1	1	1	1	0	1
1	1	1	0	Е	1	0	0	1	1	1	1
1	1	1	1	F	1	0	0	0	1	1	1

Equação Booleana para cada segmento												
Segmento A												
Ligado para: 0, 2, 3, 5, 6, 7, 8, 9, A, C, E, F												
a=(IA.IB.IC.ID)+(IA.IB.C.ID)+(IA.IB.C.D)+(IA.B.C.D)+(IA.B.IC.D)+(IA.B.C.D)+(IA.B.C.D)+(A.IB.IC.D)+(A.IB.IC.D)+(A.IB.C.D)+		F+-			n:	1						
a = (a*!b) + (a*!c) + (!a*b*d) + (!a*c) + (!b*!d)		Entr	adas do Displa		iay		Letra Representada	1				
Segmento B	٨	В	~	D	F	F	G					
Ligado para: 0, 1, 2, 3, 4, 7, 8, 9, A, D	A	D	C	υ		г	G					
b=(IA.IB.IC.ID)+(IA.IB.IC.D)+(IA.IB.C.ID)+(IA.IB.C.D)+(IA.B.IC.D)+(IA.B.C.D)+(A.IB.IC.ID)+(A.IB.IC.ID)+(A.IB.IC.D)+(A.IB.IC.ID)+(A.IB.C.ID)+(A.IB.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC.ID)+(A.ID.IC	1	1	1	0	1	1	1	Α				
b=(! a * d) + (! b * ! d) + (! c * d)		-	-	•	-	-	-			а		
Segmento C	0	0	1	1	1	1	1	В				
Ligado para: 0, 1, 3, 4, 5, 6, 7, 8, 9, A, B, D												
C=(IA.IB.IC.ID)+(IA.IB.IC.D)+(IA.IB.C.D)+(IA.B.C.D)+(IA.B.C.D)+(IA.B.C.ID)+(IA.B.C.D)+(A.IB.IC.D)+(A.IB.IC.D)+(A.B.C	1	0	0	1	1	1	0	С	f		b	
c=(a * c * ! d) + (! a * d) + (b * c) + (! b * ! c) + (! c * d)	_	_	_	_	_	_	_	_			D	
	0	1	1	1	1	0	1	D				
Segmento D	•	-	-	-	-		-					
Ligado para: 0, 2, 3, 5, 6, 8, 9, B, C, D, E	1	0	0	1	1	1	1	E				
d=(IA.IB.IC.ID)+(IA.IB.C.ID)+(IA.IB.C.D)+(IA.B.IC.D)+(IA.B.C.ID)+(IA.B.C.D)+(A.IB.IC.D)+(A.IB.IC.D)+(A.B.IC.D)	1	U	U	1	1	_	1	E		g		
d=(a * b * ! d) + (a * ! c) + (! a * b * d) + (! a * ! b * ! d) + (! a * c)	4	0	0		4	4	4	-	е			
		0	0	0	1	1	Τ.	F			C	
Segmento E		_			_			_				
Ligado para: 0, 2, 6, 8, A, B, C, D, E, F	1	1	1	1	0	1	1	G			do	
e=(IA.IB.IC.ID)+(IA.IB.C.ID)+(IA.B.C.ID)+(A.IB.C.ID)+(											■ dp	
e=(a * b) + (! b * ! d) + (c * ! d)	0	1	1	0	1	1	1	Н		d		
Segmento F	0				4	4						
Ligado para: 0, 4, 5, 6, 8, 9, A, B, E, F	U	0	0	0	1	1	U					
f=(IA.IB.IC.ID)+(IA.B.IC.D)+(IA.B.C.ID)+(IA.B.C.D)+(A.IB.IC.ID)+(A.IB.IC.D)+(A.IB.C.ID)+(A.B.C.D)+(A.B.IC.D)+(		_				_	_					
f=(a *! b *! d) + (a *! c) + (! a * b * c) + (b * d) + (! b *! c *! d)	0	1	1	1	1	0	0	J				
Segmento G												
Ligado para: 2, 3, 4, 5, 6, 8, 9, A, B, D, E, F												
g=(a*!c)+(a*!d)+(!a*c)+(b*d)												