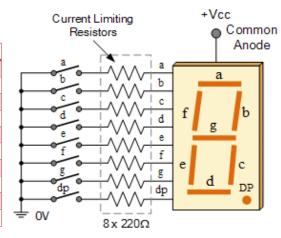
#### Decoder BCD

B3 B2 B1 B0	ABCDEFG
0000	0000001
0001	1001111
0010	0010010
0011	0000110
0100	1001100
0101	0100100
0110	0100000
0111	0001111
1000	0000000
1001	0000100



#### Expresión Booleana

A = B0 + B2 + B1B3 + B1'B3'

B = B1' + B2'B3' + B2B3

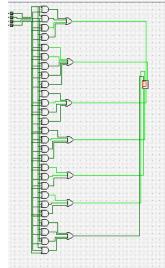
C = B1 + B2' + B3

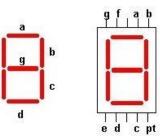
D = B1'B3' + B2B3' + B1B2'B3 + B1'B2 + B0

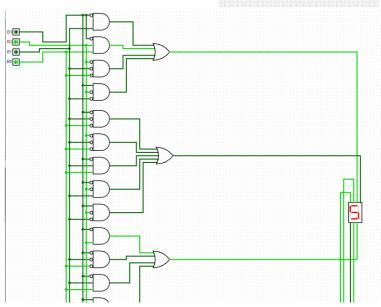
E = B1'B3' + B2B3'

F = B0 + B2'B3' + B1B2' + B1B3'

G = B0 + B1B2' + B1'B2 + b2b3'







## Controlador

	Q3	Q2	Q1	Q0	Q3	Q2	Q1	Q0	J3	К3	J2	K2	J1	K1	JO	KO
0	0	0	0	0	1	1	1	0	1	Χ	1	Χ	1	Χ	0	Х
7	0	1	1	1	1	1	1	0	1	Χ	Χ	0	Χ	0	Χ	1
8	1	0	0	0	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
9	1	0	0	1	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
10	1	0	1	0	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
11	1	0	1	1	0	1	1	1	Χ	1	1	Χ	Χ	0	Χ	0
12	1	1	0	0	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
13	1	1	0	1	1	0	1	1	Χ	0	Χ	1	1	Χ	Χ	0
14	1	1	1	0	1	1	0	1	Χ	0	Χ	0	Χ	1	1	Χ
15	1	1	1	1	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ

J3= 1

K3= Q2N

J2= 1

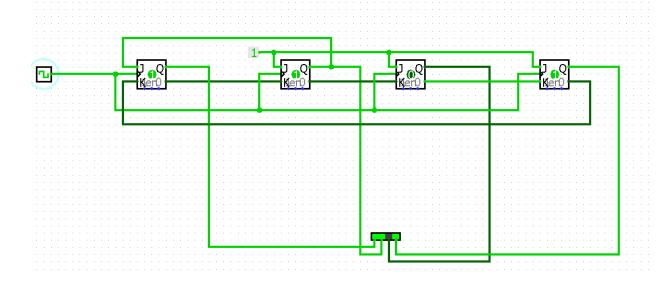
K2= Q1N

J1=1

K1=Q0N

J0=Q1

K0=Q3N

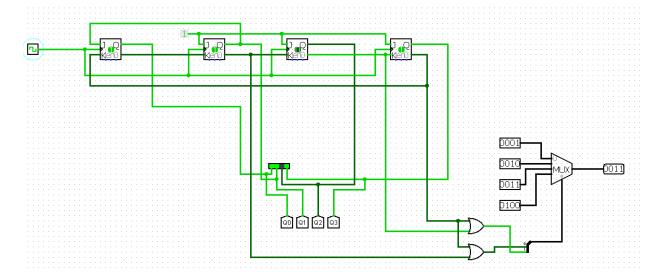


# Mux Para pasar digitos

	Q3	Q2	Q1	Q0	Α	В
7	0	1	1	1	1	1
11	1	0	1	1	1	0
13	1	1	0	1	0	1
14	1	1	1	0	0	0

A=Q3N OR Q2N

B=Q3N OR Q1N



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## Diseño Final

