# Contador 0-99

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#### Introducción

### Descripción

#### Materiales

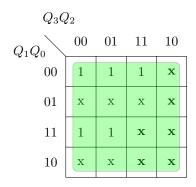
- Proto-Board (1)
- Capacitor de Cerámica (1)
- $\blacksquare$  Resistor de 1<br/>K $\Omega$ (3)
- LED (2)

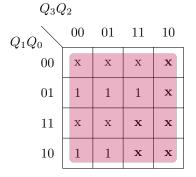
### Diseño Lógico

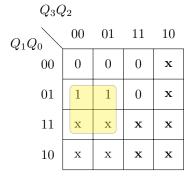
Estados del Contador MOD10

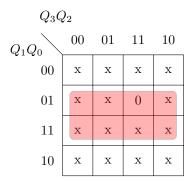
DEC	$Q_3$	$Q_2$	$Q_1$	$Q_0$
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	0	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1

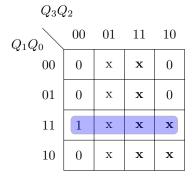
En esta sección se detallan los mapas de Karnaugh para el Contador MOD10 (0-9)

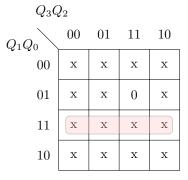




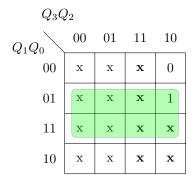




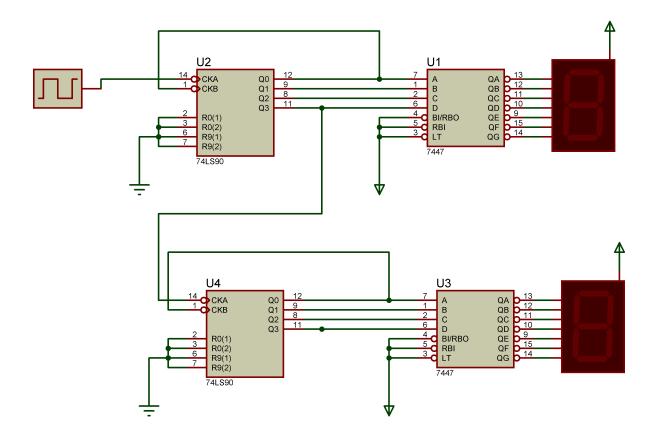




$Q_3Q_2$				
$Q_1Q_0$	00	01	11	10
00	0	0	x	x
01	0	0	x	x
11	0	1	x	x
10	0	0	x	x



# Diseño en Proteus 8.6 $^{\odot}$



## Conclusión