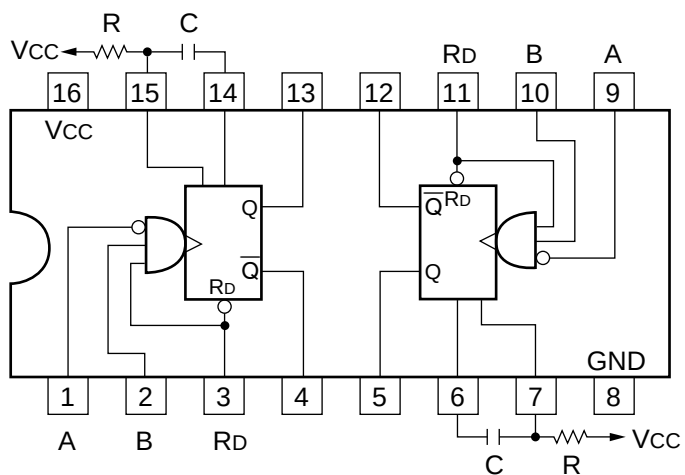


TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET

—TOP VIEW—

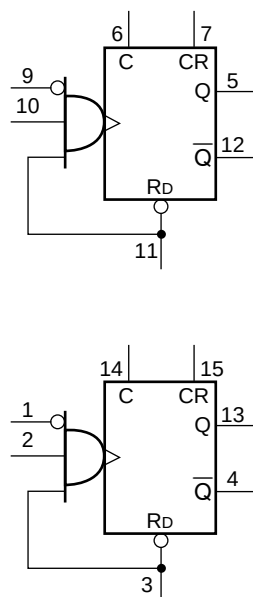


INPUTS			OUTPUTS	
Rd	A	B	Q	$\bar{Q}$
0	x	x	0	1
x	1	x	0	1
x	x	0	0	1
1	0	↑	↓	↑
1	↓	1	↑	↓
↑	0	1	↓	↑

0 : LOW LEVEL

1 : HIGH LEVEL

x : DON'T CARE



OUTPUT PULSE WIDTH

$$\begin{aligned} & \text{VCC} \\ & \text{C} \quad \text{R} \\ & \text{'123} \quad : Tw = 0.28 \left(1 + \frac{700}{R}\right) CR \\ & \text{'L123} \quad : Tw = 0.33 \left(1 + \frac{700}{R}\right) CR \end{aligned}$$

$$\begin{aligned} & \text{VCC} \\ & \text{C} \quad \text{R} \\ & \text{'123} \quad : Tw = 0.25 \left(1 + \frac{700}{R}\right) CR \\ & \text{'L123} \quad : Tw = 0.29 \left(1 + \frac{700}{R}\right) CR \end{aligned}$$

$$\begin{aligned} & \text{VCC} \\ & \text{C} \quad \text{R} \\ & \text{'LS123} \quad : Tw = 0.45CR \end{aligned}$$