

# Probability Hardware Assignment

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## COMPONENTS USED

Component	Value	Quantity
Breadboard		1
Seven Segment Display	Common Anode	1
Decoder	7447	1
Flip Flop	7474	2
X-OR Gate	7486	1
555 IC		1
Resistor	1 K $\Omega$	1
Capacitor	100 nF	1
Capacitor	10 nF	1
Jumper Wires		

TABLE 0  
COMPONENTS USED

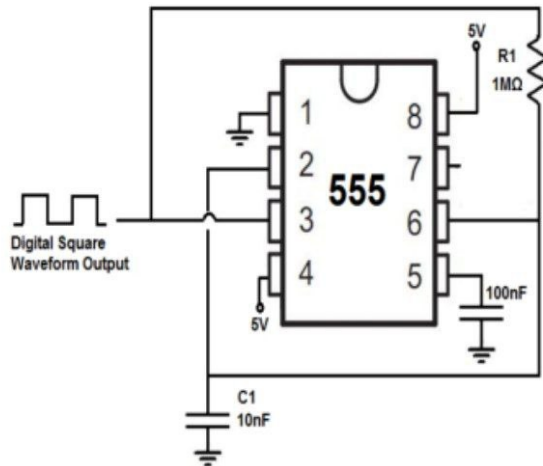


Fig. 0. Connection in 555 timer circuit

0

## OUTPUT

Output was changing digits on the seven segment display the output is shown in figure 0

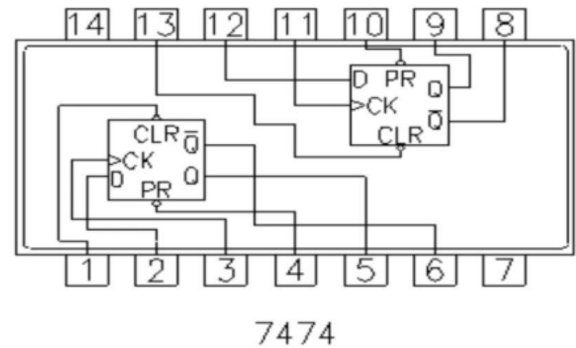


Fig. 0. Connection in 7474 IC

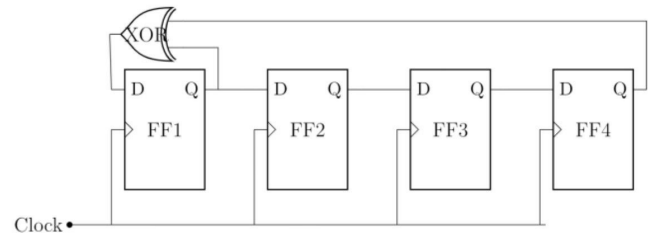


Fig. 0. Connection in XOR gate



Fig. 0. Connection in Decoder gate

7447	$\bar{a}$	$\bar{b}$	$\bar{c}$	$\bar{d}$	$\bar{e}$	$\bar{f}$	$\bar{g}$
Display	a	b	c	d	e	f	g

Fig. 0. Connection of seven segmented display with decoder

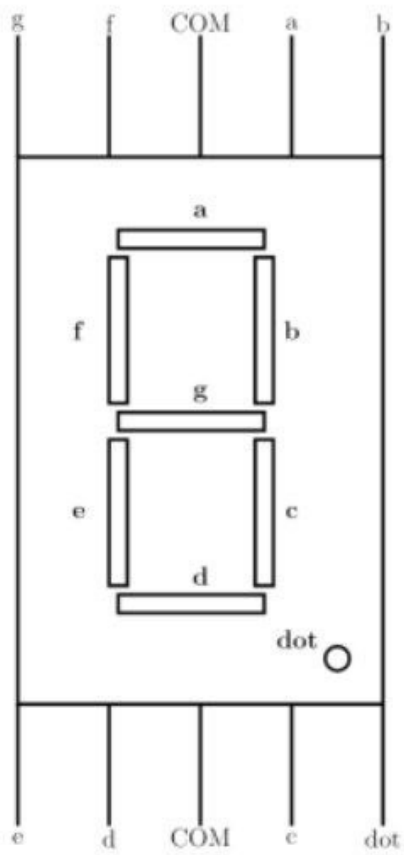


Fig. 0. Seven segmented display

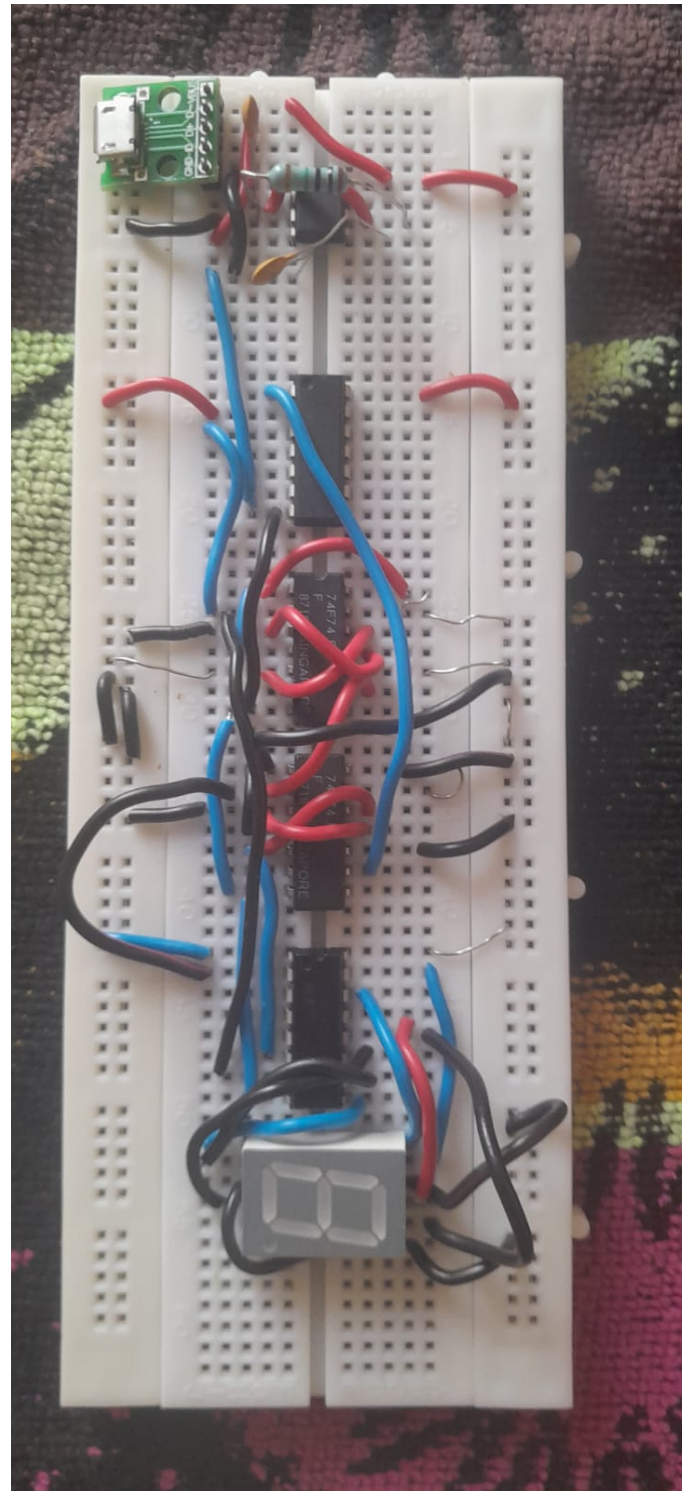


Fig. 0. output