

1. Create a truth table for the logic gate above.

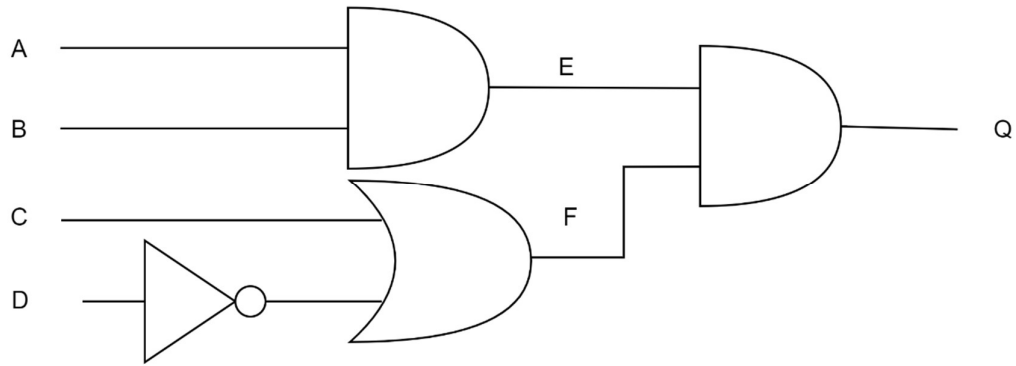
A	B	C	D	E	Q

2. Write the logic equation for the logic gate above

3. Identify the correct logic gate for the truth table below and draw the logic gate in the diagram on the right.

A	B	Output
0	0	0
0	1	0
1	0	0
1	1	1

Logic Gate:

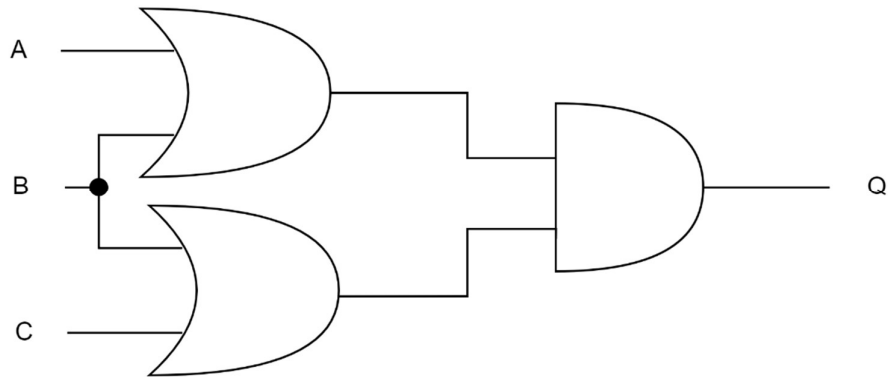


4. Create the truth table for the logic gate above.

A	B	C	D	E	F	Q
			0			
			1			
			0			
			1			
			0			
			1			
			0			
			1			
			0			
			1			
			0			
			1			
			0			
			1			
			0			
			1			

5. Write the logic equation for the logic gate above





6. Complete the following truth table.

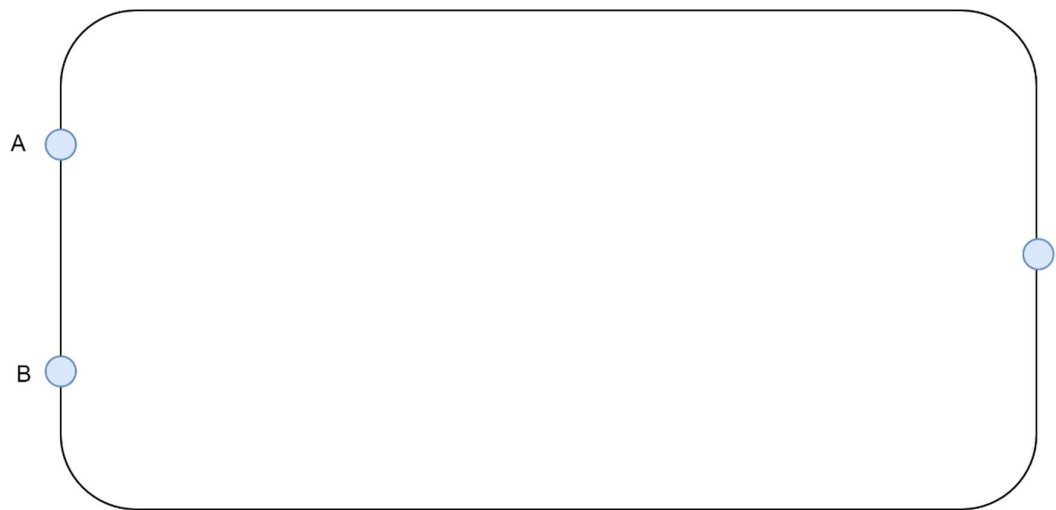
A	B	C	Q

7. Write the logic equation for the logic gate above



8. Draw the logic diagram for the following logic equation

$$P = \text{NOT}(A \text{ OR } B) \text{ OR } (A \text{ AND } B)$$



8. Draw the truth table for the above logic equation

A	B			Z

