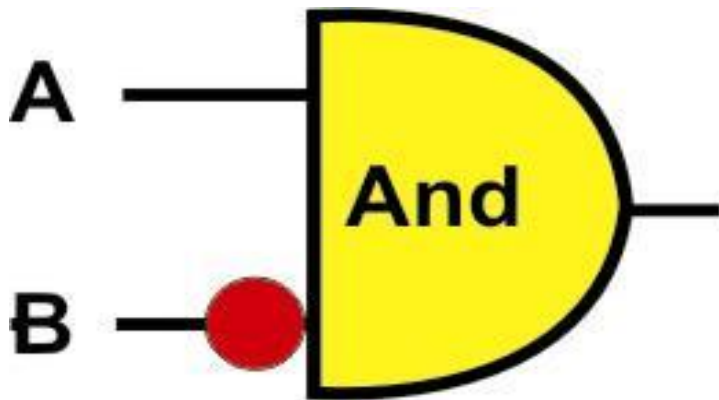


Función Booleana

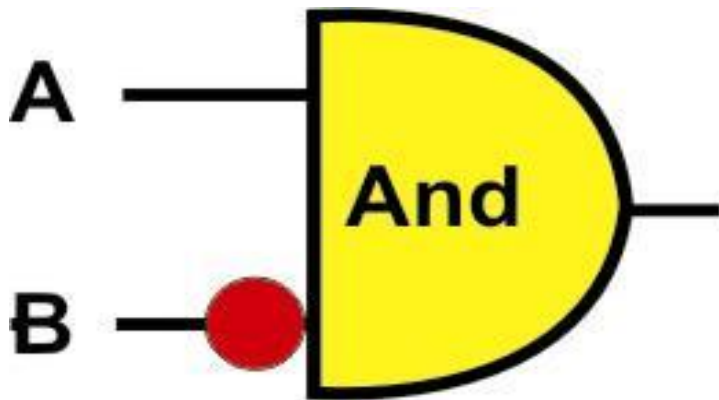
$$F1_{(A,B)} = A \bar{B}$$



		Entradas		Salida
m	A	B	S	
0	0	0		
1	0	1		
2	1	0		
3	1	1		

Función Booleana

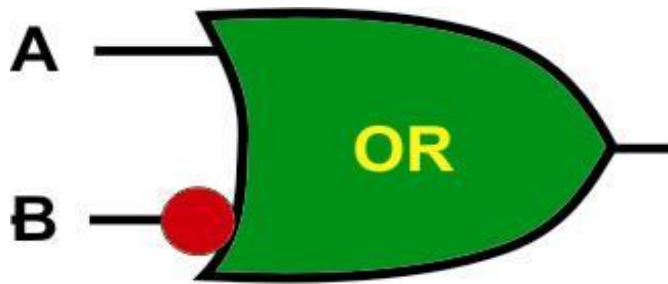
$$F1_{(A,B)} = A \bar{B}$$



	Entradas		Salida
m	A	B	S
0	0	0	0
1	0	1	0
2	1	0	1
3	1	1	0

Función Booleana

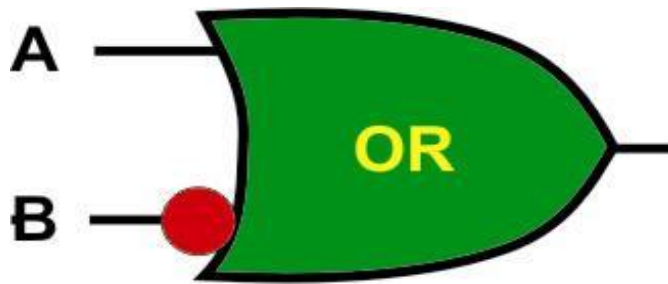
$$F2_{(A,B)} = A + \bar{B}$$



	Entradas		Salida
m	A	B	S
0	0	0	
1	0	1	
2	1	0	
3	1	1	

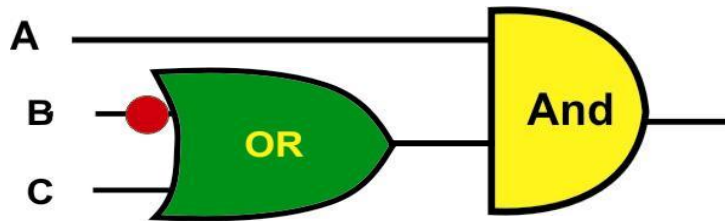
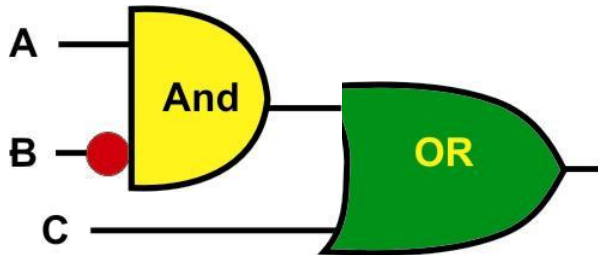
Función Booleana

$$F2_{(A,B)} = A + \bar{B}$$



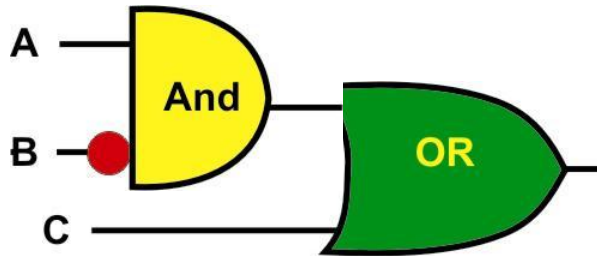
	Entradas		Salida
m	A	B	S
0	0	0	1
1	0	1	0
2	1	0	1
3	1	1	1

Función Booleana



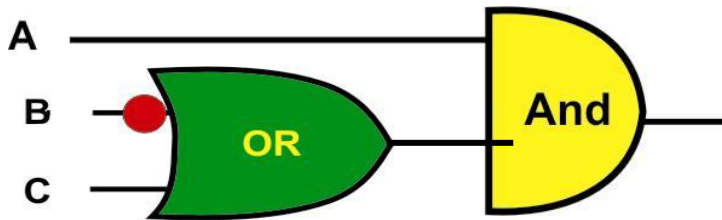
m	A	B	C	F3	F4
0	0	0	0		
1	0	0	1		
2	0	1	0		
3	0	1	1		
4	1	0	0		
5	1	0	1		
6	1	1	0		
7	1	1	1		

F3 ≠ F4



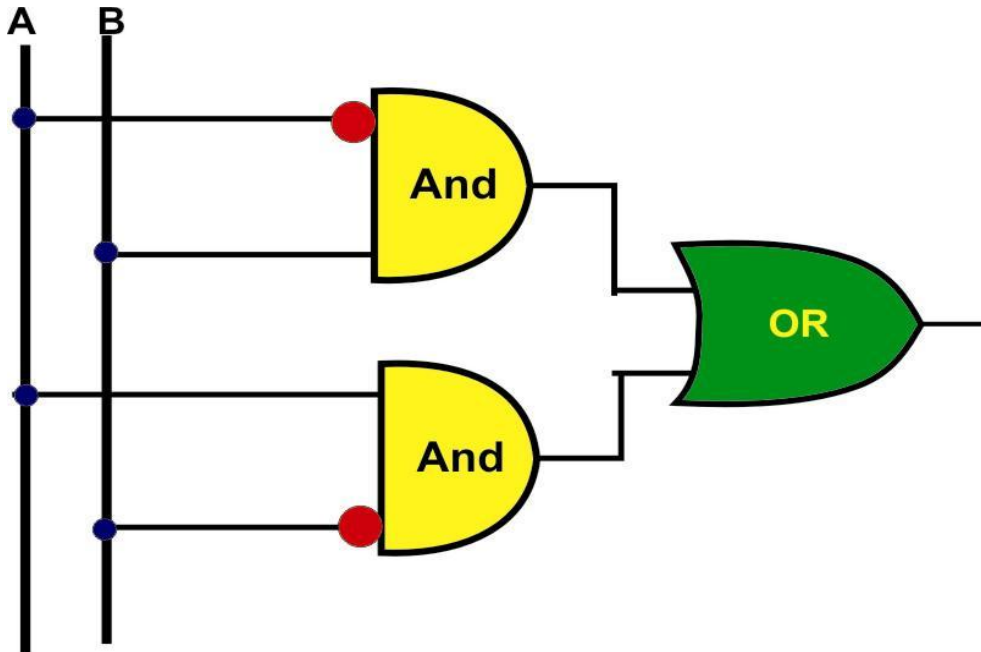
$$A \bar{B} + C$$

m	A	B	C	F3	F4
0	0	0	0	0	0
1	0	0	1	1	0
2	0	1	0	0	0
3	0	1	1	1	0
4	1	0	0	1	1
5	1	0	1	1	1
6	1	1	0	0	0
7	1	1	1	1	1



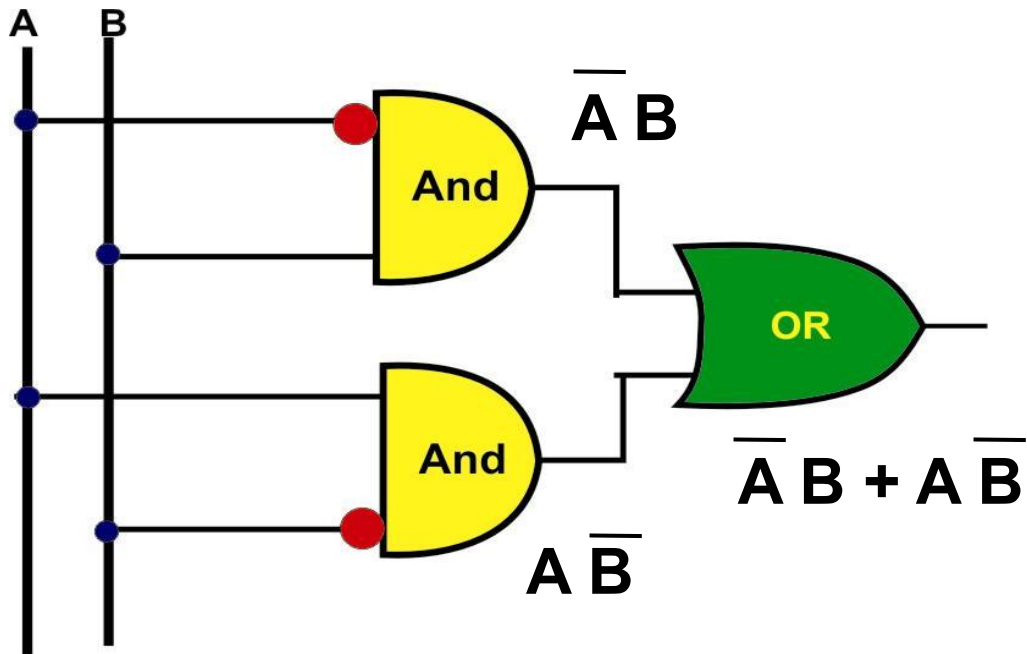
$$A (\bar{B} + C)$$

F5



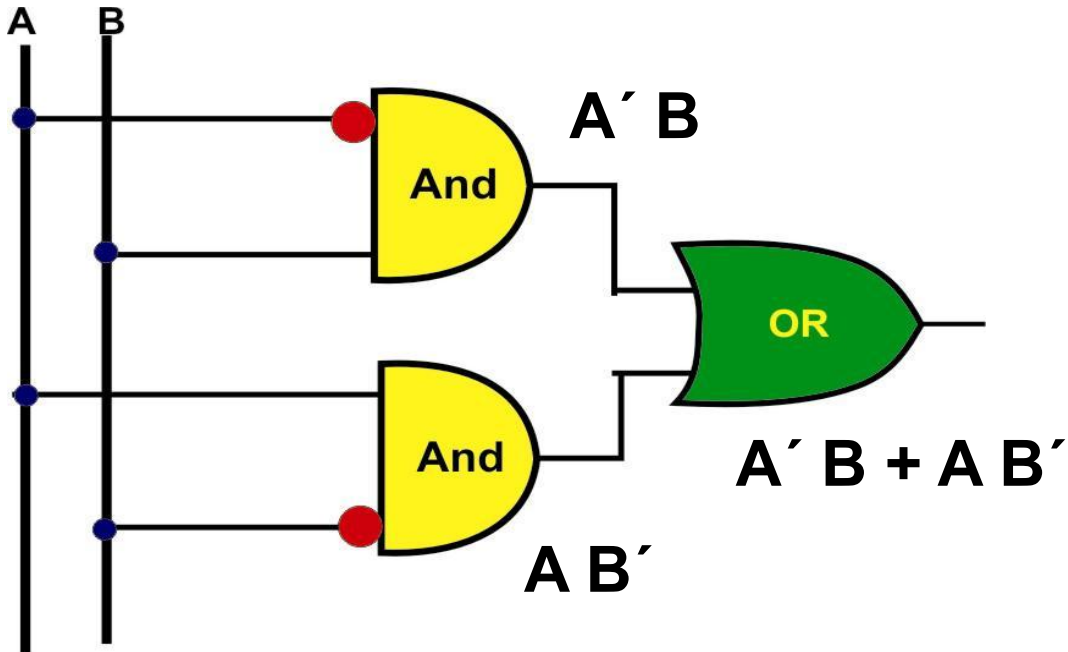
m	A	B	F5
0	0	0	
1	0	1	
2	1	0	
3	1	1	

F5



m	A	B	F5
0	0	0	0
1	0	1	1
2	1	0	1
3	1	1	0

F5

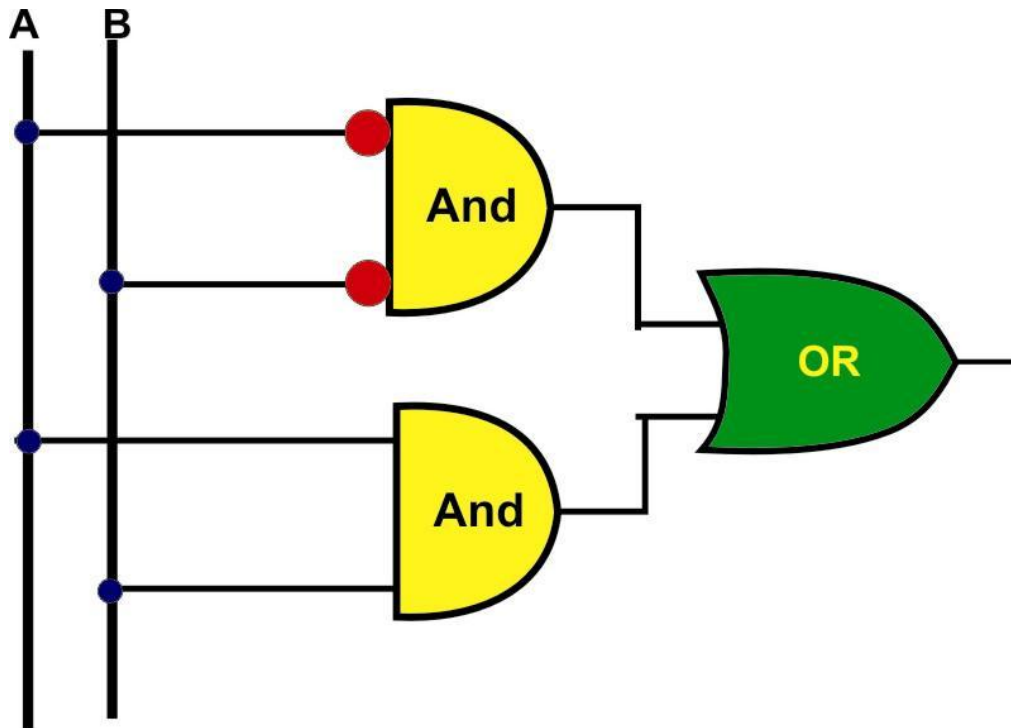


m	A	B	F5
0	0	0	0
1	0	1	1
2	1	0	1
3	1	1	0

$$\overline{A} B + A \overline{B} = A \oplus B$$

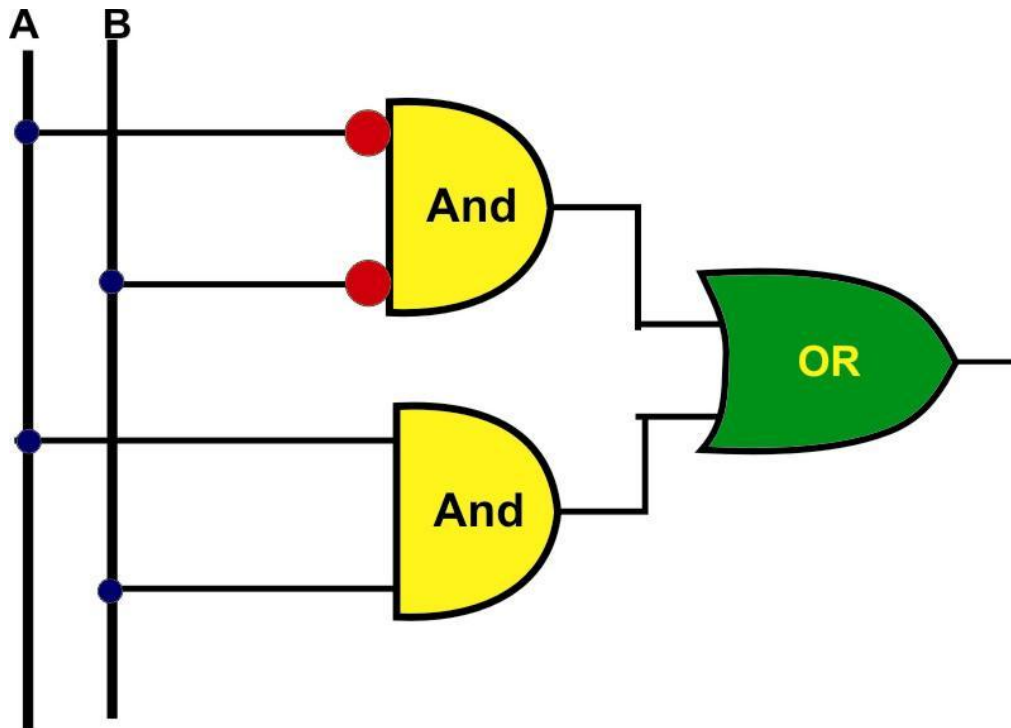


F6



m	A	B	F6
0	0	0	
1	0	1	
2	1	0	
3	1	1	

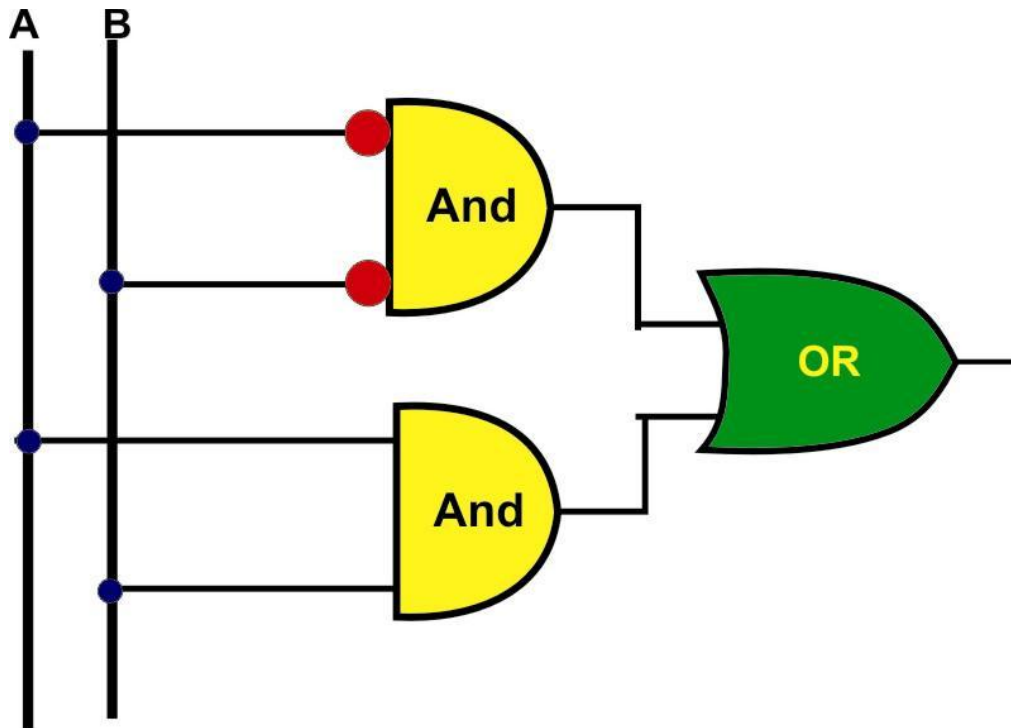
F6



m	A	B	F6
0	0	0	1
1	0	1	0
2	1	0	0
3	1	1	1

$$F6_{(A,B)} = \bar{A} \bar{B} + A B$$

F6

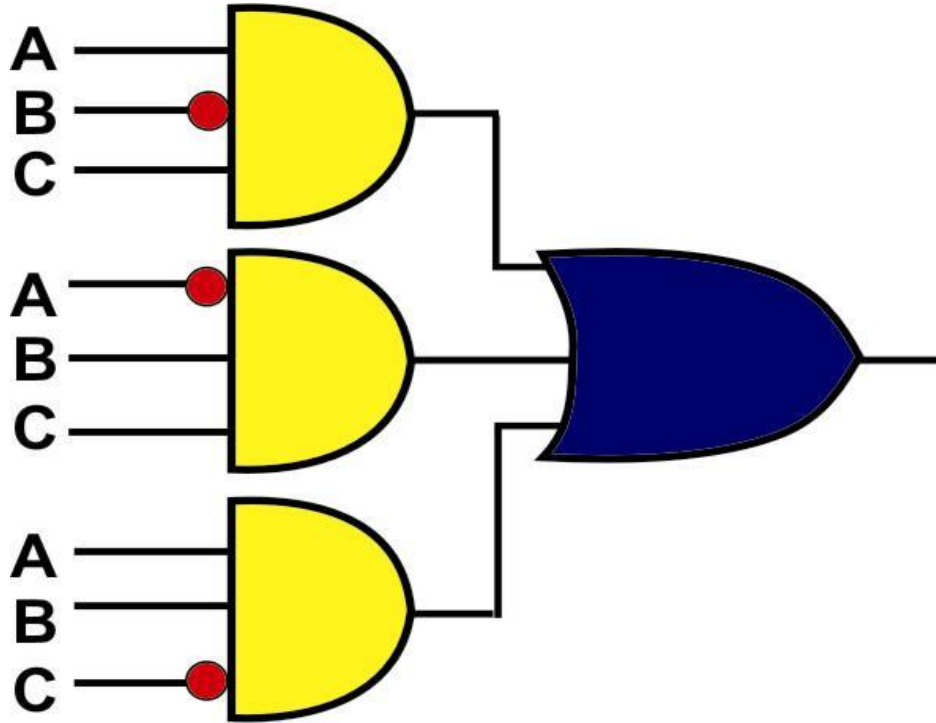


m	A	B	F6
0	0	0	1
1	0	1	0
2	1	0	0
3	1	1	1

$$F6_{(A,B)} = \bar{A}\bar{B} + AB = \overline{A \oplus B}$$



F7

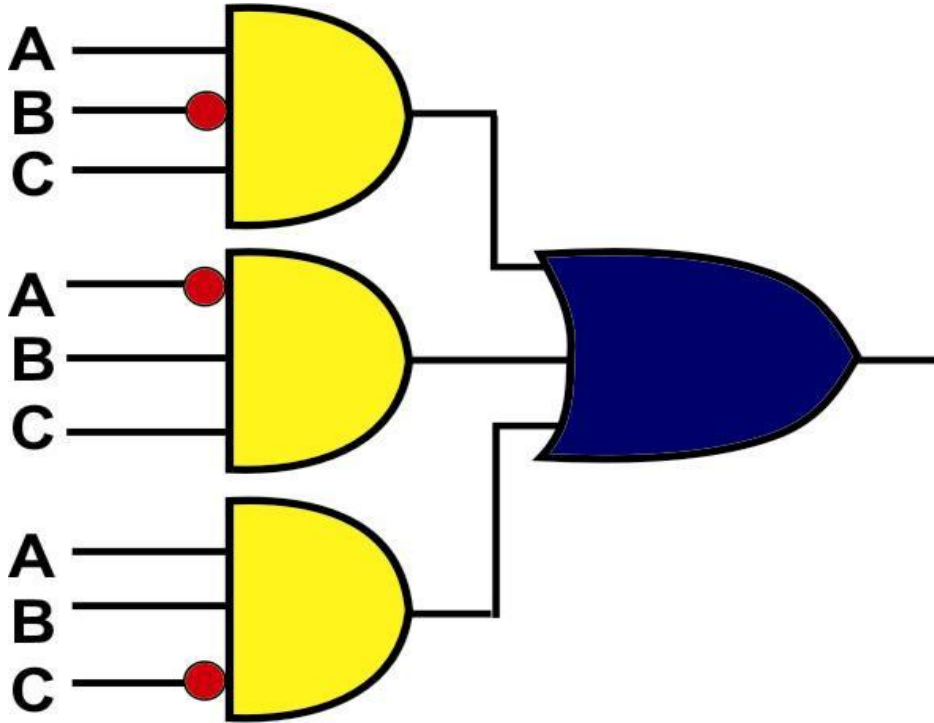


Obtenga:

1.- la ecuación

2.- la Tabla de verdad

F7



$$F7_{(A, B, C)} = \overline{A} \overline{B} C + \overline{A} B C + A B \overline{C}$$

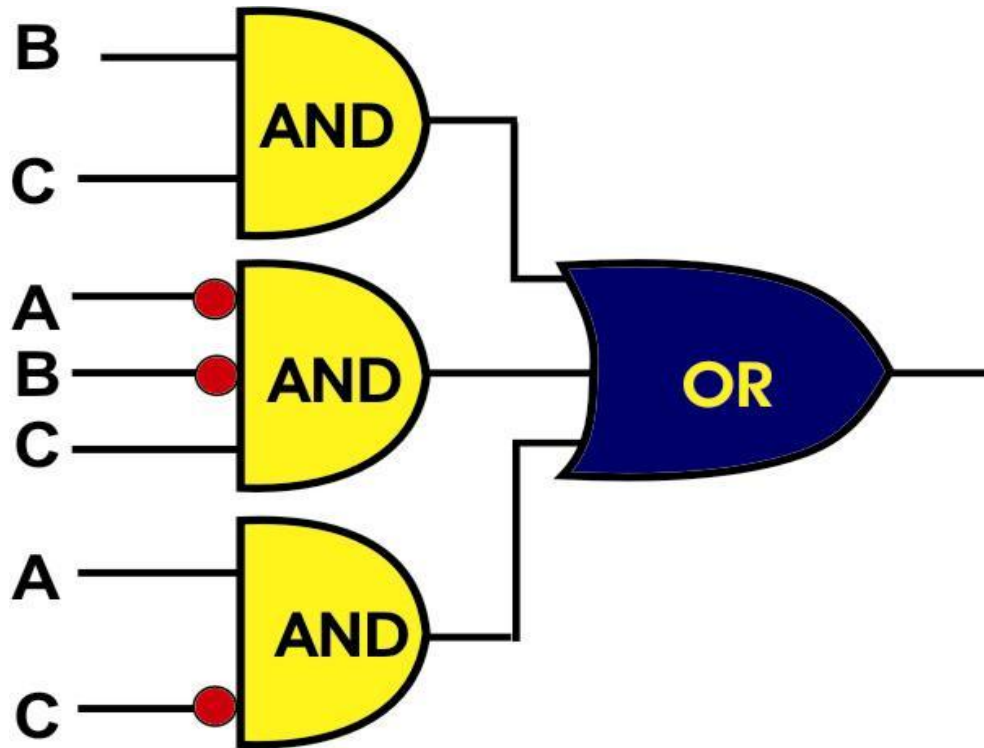
m	A	B	C	F7
0	0	0	0	0
1	0	0	1	0
2	0	1	0	0
3	0	1	1	1
4	1	0	0	0
5	1	0	1	1
6	1	1	0	1
7	1	1	1	0

F8

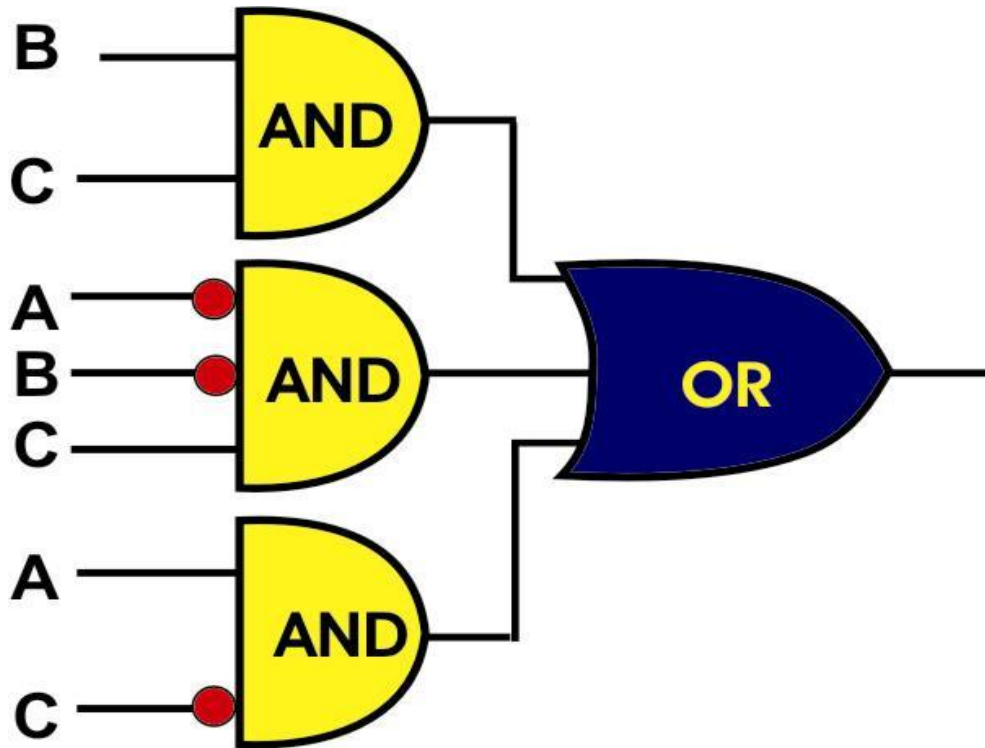
Obtenga:

1.- la ecuación

2.- la Tabla de verdad



F8



$$F8_{(A, B, C)} = BC + \overline{A}\overline{B}C + A\overline{C}$$

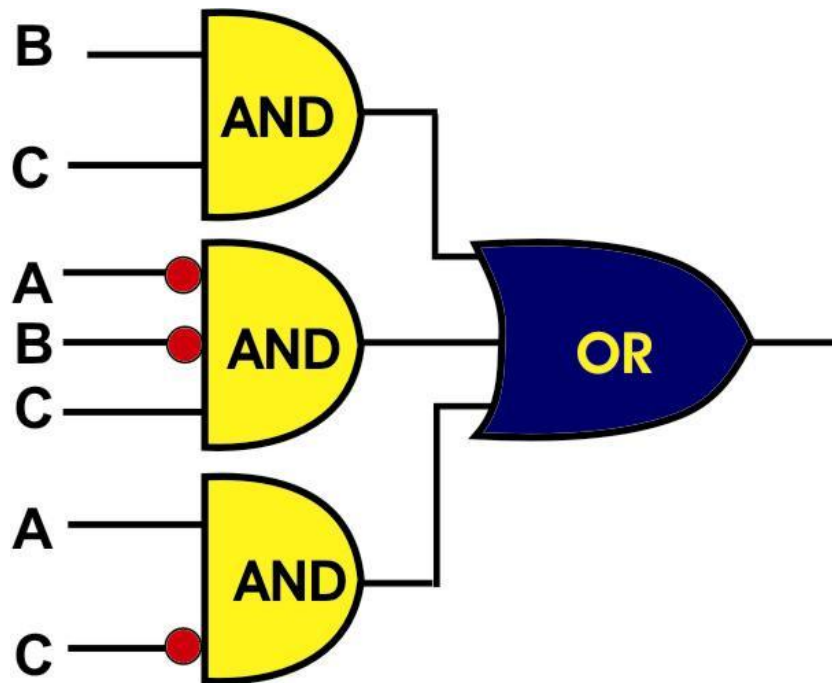
F8

F8

Obtenga:

1.- la ecuación

2.- la Tabla de verdad



m	A	B	C	F7
0	0	0	0	0
1	0	0	1	1
2	0	1	0	0
3	0	1	1	1
4	1	0	0	1
5	1	0	1	0
6	1	1	0	1
7	1	1	1	1