

Actividad 8

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Simplificación booleana.

q)
$$A(A+B)$$
 b) $A(A+AB)$ c) $BC+BC$ = $AA+AB$ = $C(B+B)$ = $C(B+B$

a)
$$A (A+\overline{A}B)$$

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

= $A+OB$ (7,8)

= $A+O$ (3)

= $A+O$ (1)

= A (1)

c) $ABC+\overline{A}BC+\overline{A}BC+\overline{A}BC$

c($AB+\overline{A}B+\overline{A}B$)

c($AB+\overline{A}B+\overline{A}B$)

c($AB+\overline{A}B+\overline{A}B$)

c($BC+\overline{A}B+\overline{A}B$)

Tablas de verdad.

a)

A	Output		
0	0		
1	1		

b)

А	В	Output	
0	Θ	0	
0	1	0	
1	0	0	
1	1	1	

c)

C	Output
0	0
1	1

d)

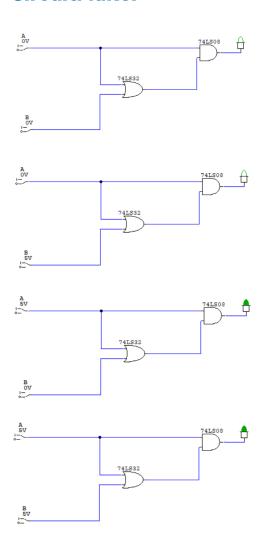
А	Output
0	0
1	1

e)

Α	~A	В	~B	С	Output
0	1	Θ	1	Θ	0
0	1	Θ	1	1	1
0	1	1	Θ	Θ	0
0	1	1	Θ	1	1
1	0	Θ	1	Θ	0
1	0	0	1	1	1
1	0	1	Θ	Θ	0
1	0	1	0	1	0

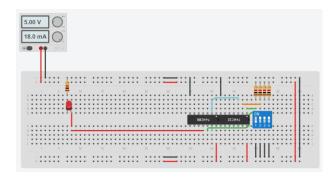
Implementaciones.

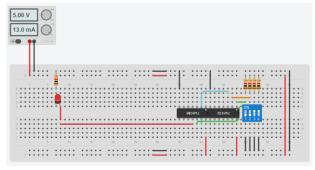
a)



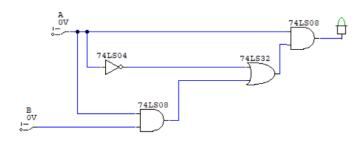
a)

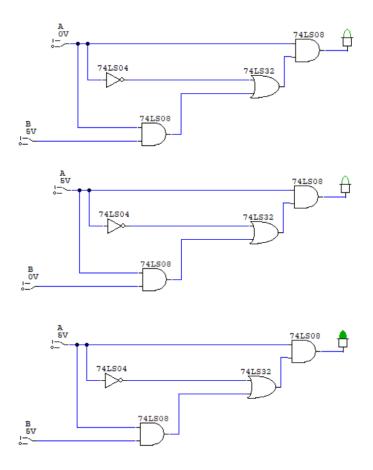
TinkerCard (Solo output = 1)



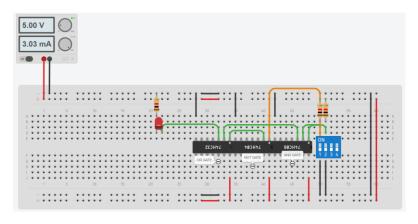


b)

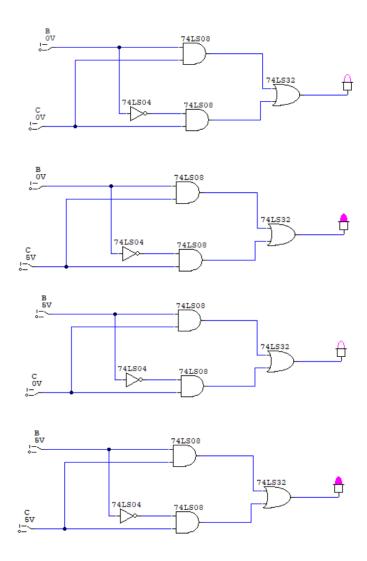




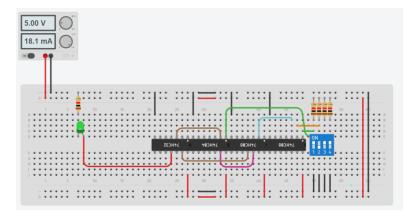
b)

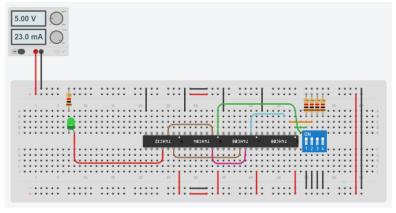


c)

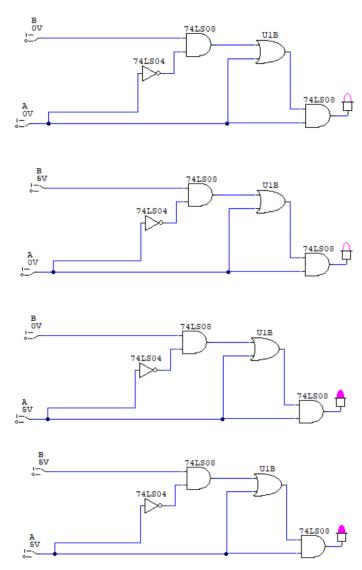


c)

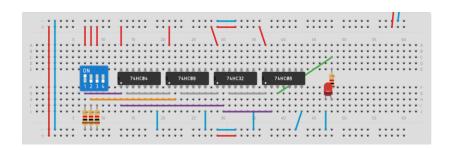


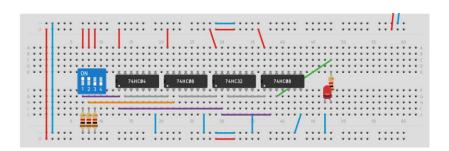


d)

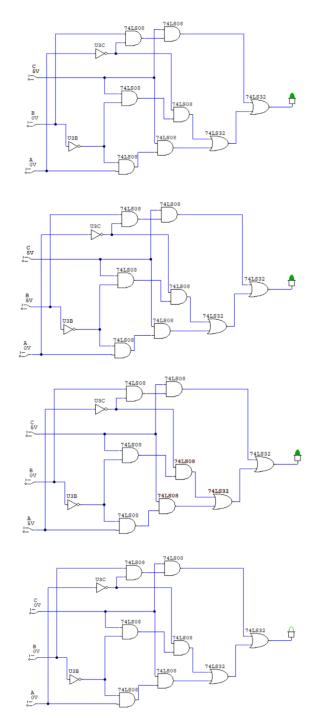


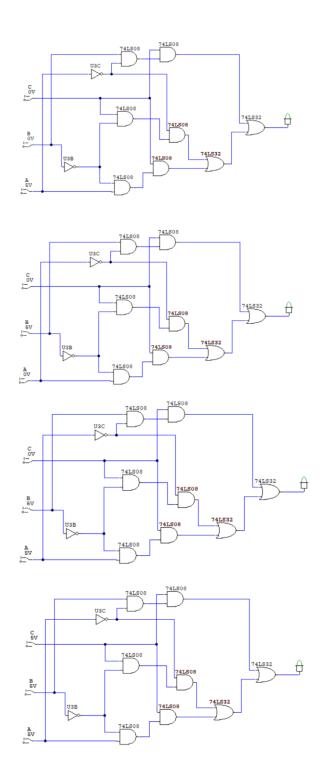
d)





e)





e)

