2024



Tema:

Cuaderno de trabajo

Carrera: Tecnología Superior en Desarrollo de Software

Docente:

Ing. Darwin Chamba

Autor/es:

Andrea Jiménez Espinoza

Materia: Electrónica y sistemas digitales

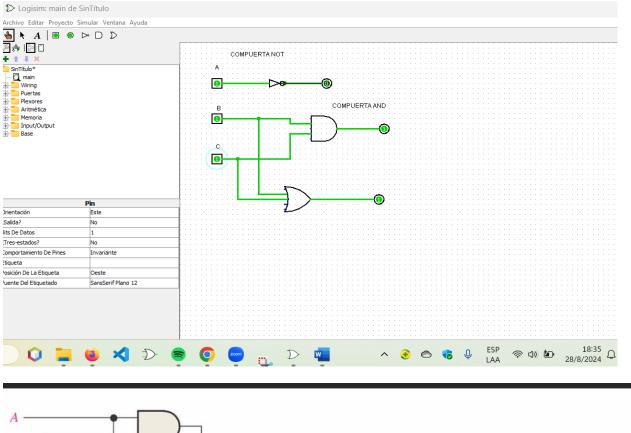
Paralelo: A

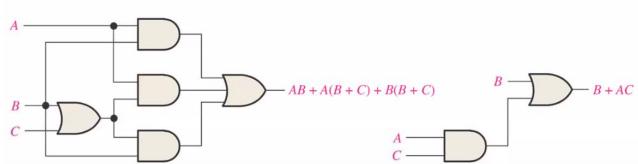


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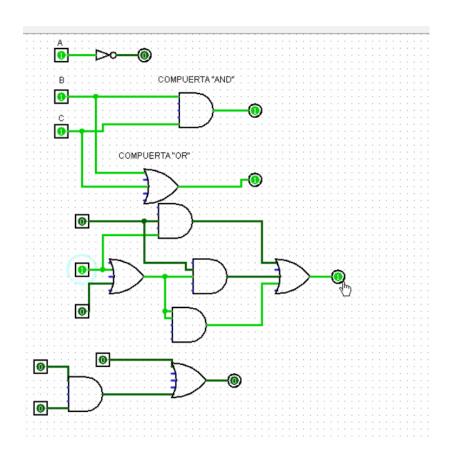
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Cuadernos de actividades en clases





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Realizar los ejercicios

 $AB+AB+AB=A+B\\AB+AB+AB=A+B$



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AB"+ABC+AB"C+AB = (X+Y)(X+Z)

AB"+ABC+AB"C+AB
XX+XZ+YX+YZ

(AB"+AB)+AC(B+B")X+X2+XY+Y2

A(1)+AC

A+AC X(1+2)

A X+Y

(A-B.C)+(B.C)+(A.B)

BC(A41)+AB (A+B)*(A+B")

BC+AB=B(C+A)

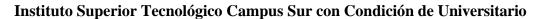
A+B *A+B B(A+C)

FACTOR COMUN A+B

(AB+C) (A+BC) A+BC"+D(E+F)

AB+AB+C+AC+BC A+B+A+C+D+E+D+F

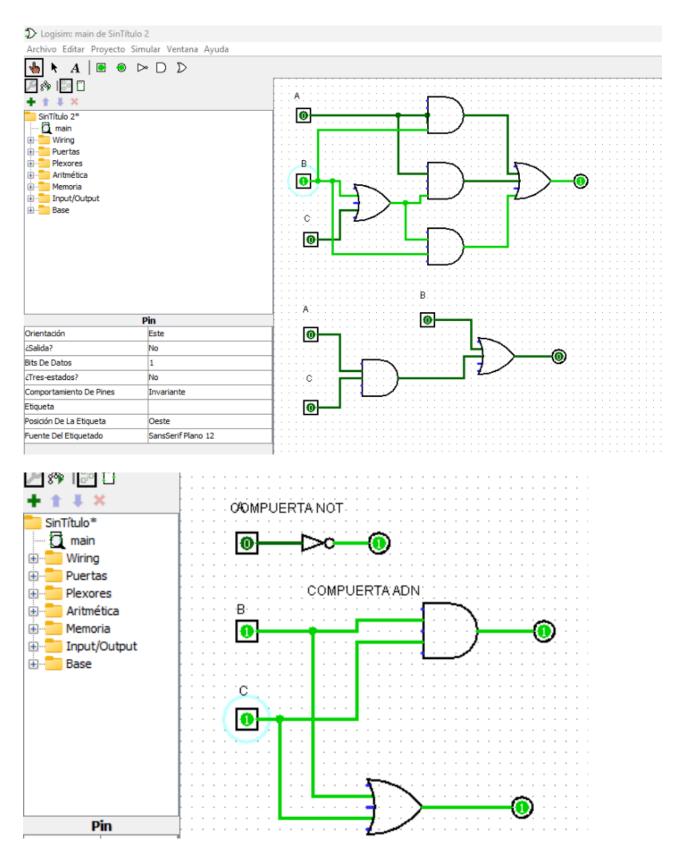
AB+ABC+BC





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Logisim

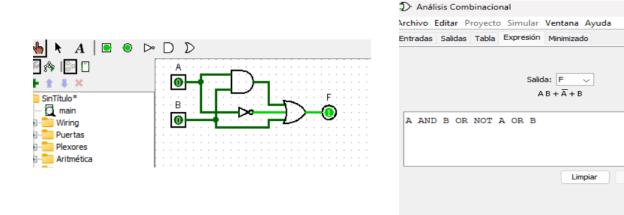




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Crear Circuito



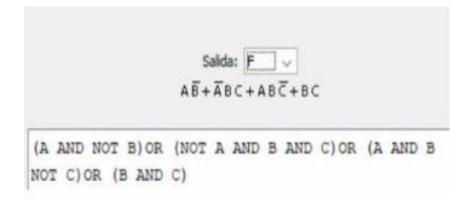
Suma de productos

AB + ABC + ABC + BC

La primera forma canonica es una representación de una función logica que utiliza una suma de productos caconicos.

Α	В	С	F				
0	0	0		A	В	_	F
0	0	1		0	0	0	0
0	1	0		0	0	1	0
0	1	1	II .	0	1	1	1
1	0	0		1	0	0	1
1	0	1		1	0	1	1
				1	1	Ω	1

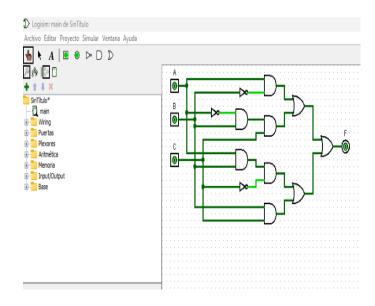
Un producto canonico es aquel que contiene a todas las variables independientes y solo ptoducen un reglon mientras que los terminos que NO son canonicos producen varios renglones.





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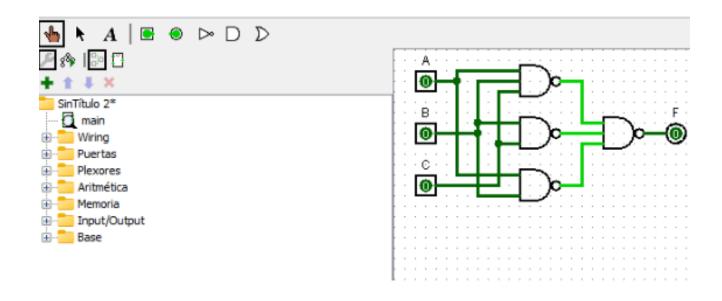


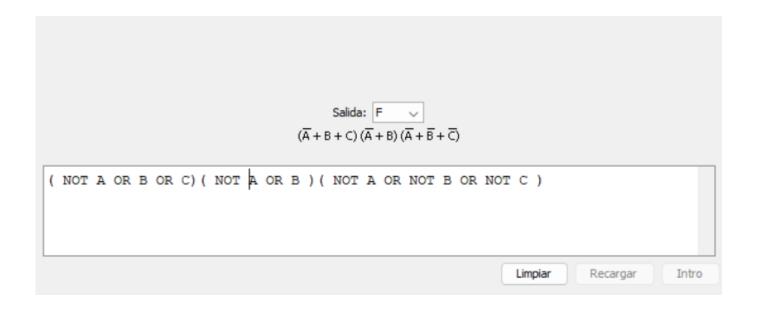






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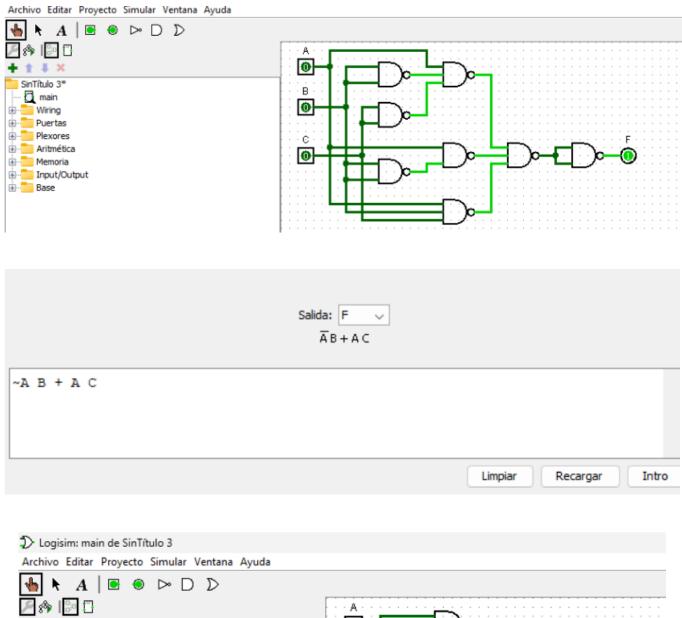


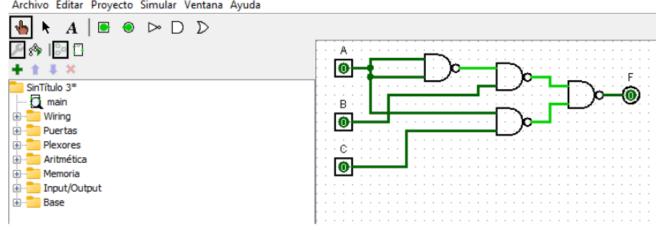




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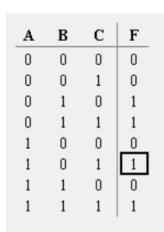
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A	В	С	F
0	0	0	0
0	0	1	×
0	1	0	Х
0	1	1	X
1	0	0	1
1	0	1	1
1	1	0	X
1	1	1	1

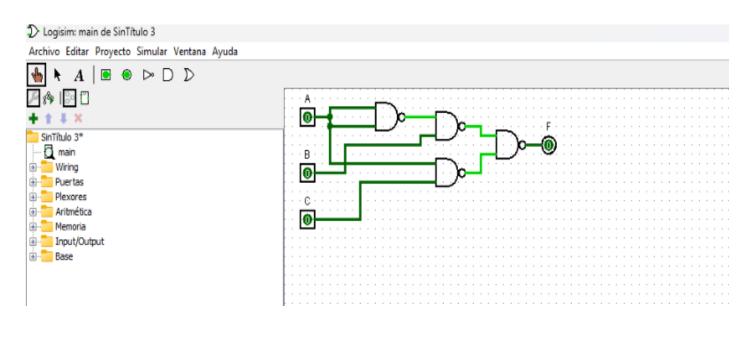
rchivo	Editar P	royecto	Simular	Ventana	Ayuda	
ntradas	Salidas	Tabla	Expresión	Minimizad	io	
					Salida: 🗏 🗸	
					C + B + A	
C + B	+ A					
						Limpiar

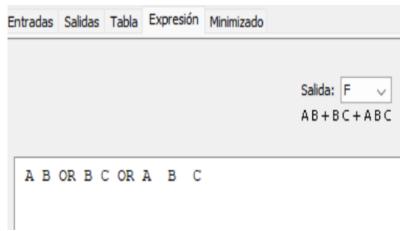






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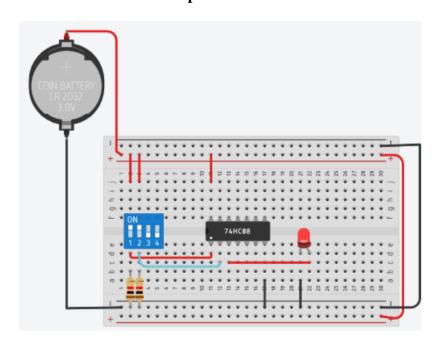
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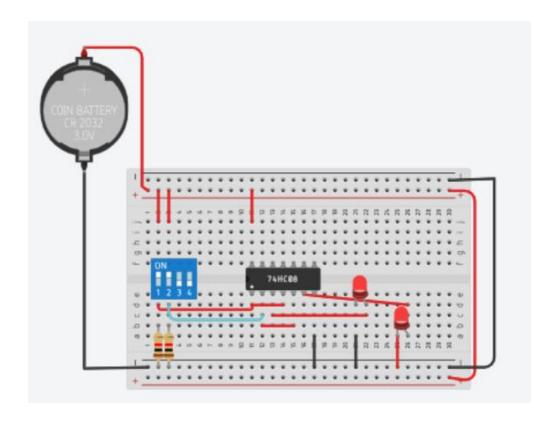
Tabla de Binario, Octal, Hexadecimal y Decimal

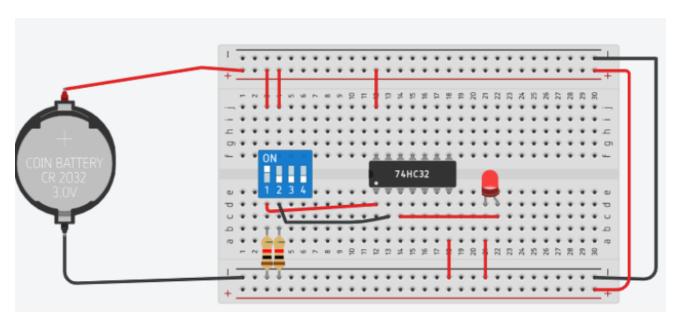
binario	octal	hexadecin	nal de	ecimal	DECIMAL	HEX	BINARY
	The second		101		0	0	9999
11010101	325	D5	110311	213	1	1	0001
100101010	452	12A		298	2	2	0010
10001001	211	89		137	3	3	0011
			1211	1211111111	4	4	0100
1100011	143	63		99	5	5	0101
			Binario	Octal	6	6	0110
			000	0	7	7	0111
			001	1	8	8	1000
		010		2	9	9	1001
			011	3	10	A	1010
			100	4	11	В	1011
					12	C	1100
			101	5	13	D	1101
			110	6	14	E	1110
		111	7	15	F	1111	

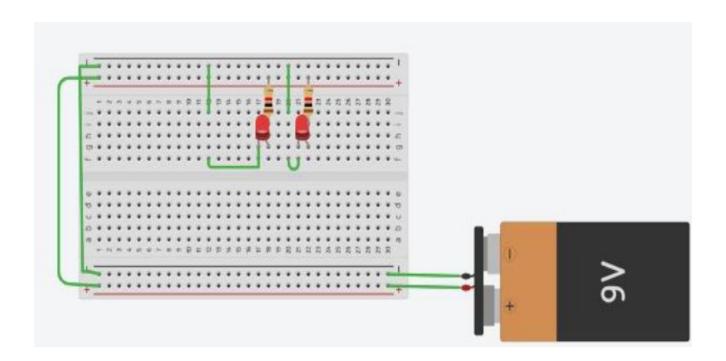
MENOS-S								BIT-MAS-S
2^0	2^1	2^2	2^3	2^4	2^5	2^6	2^7	2^8
1	2	4	8	16	32	64	128	256

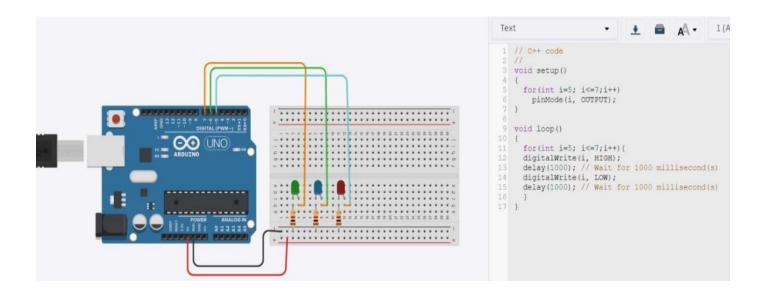
Uso del perfil Tinkercard

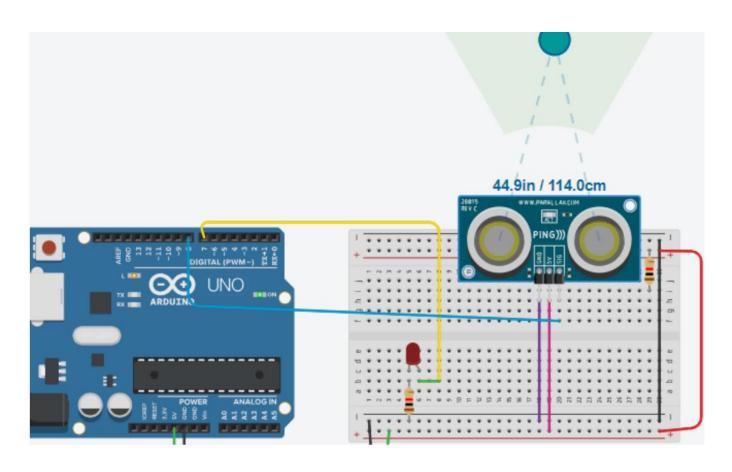


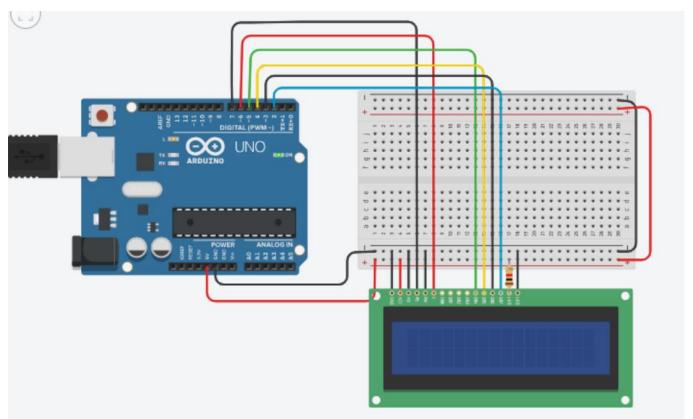














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