## Tecnología Superior en Desarrollo de Software



Carrera: Tecnología Superior Desarrollo de Software

Materia: Electrónica Y Sistemas Digitales

Tema: Los principales elementos de la programación orientada a objetos

Nombre: Chiluiza Pilamunga José Fernando

**Docente:** Darwin Asdrúbal Chamba Flores

Paralelo: A

### Tecnología Superior en Desarrollo de Software

# Realizar los siguientes ejercicios

1. 
$$A + 0 = A$$

**2.** 
$$A + 1 = 1$$

3. 
$$A \cdot 0 = 0$$

**4.** 
$$A \cdot 1 = A$$

5. 
$$A + A = A$$

**6.** 
$$A + \overline{A} = 1$$

7. 
$$A \cdot A = A$$

8. 
$$A \cdot \overline{A} = 0$$

9. 
$$\overline{\overline{A}} = A$$

10. 
$$A + AB = A$$

11. 
$$A + \overline{A}B = A + B$$

12. 
$$(A + B)(A + C) = A + BC$$

AB''+A''B+AB = A+B

AB'+A'B+AB=A+B

AB'+A'B+AB

AB"+ABC+AB"C+AB =

AB"+ABC+AB"C+AB

(AB"+AB)+AC(B+B")

A(1)+AC

A+AC

Α

(X+Y)(X+Z)

XX+XZ+YX+YZ

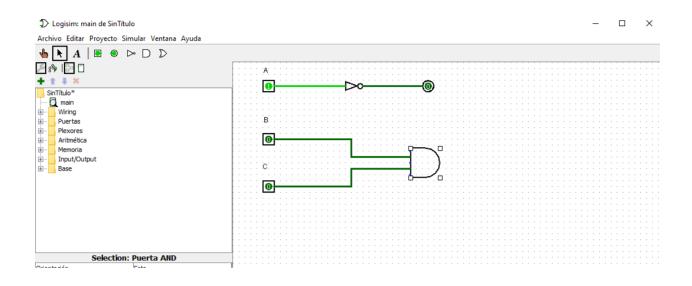
X+X2+XY+Y2

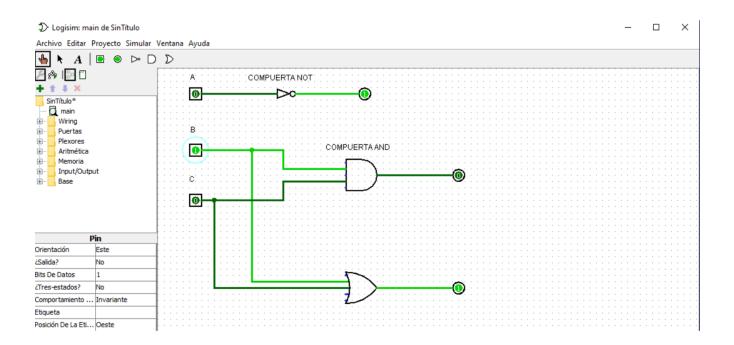
X(1+2)

X+Y









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

BC(A41)+AB

BC+AB=B(C+A)

B(A+C)

FACTOR COMUN

(A+B)\*(A+B")

A+B \*A+B

A+B

(AB+C) (A+BC)

AB+AB+C+AC+BC

AB+ABC+BC

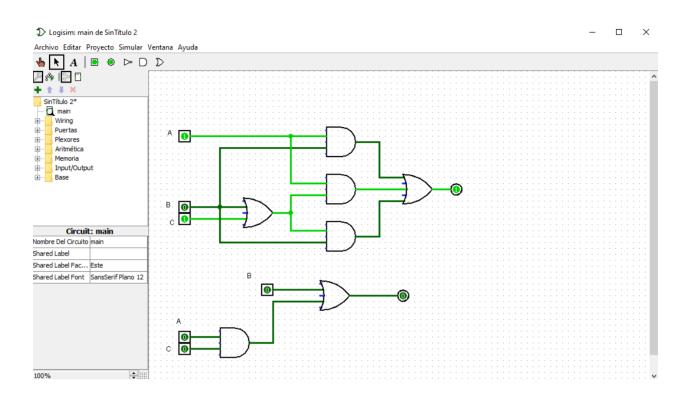
A+BC"+D(E+F)

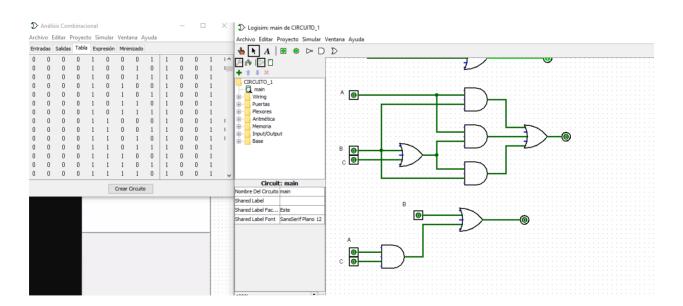
A+B+A+C+D+E+D+F

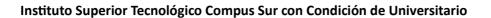


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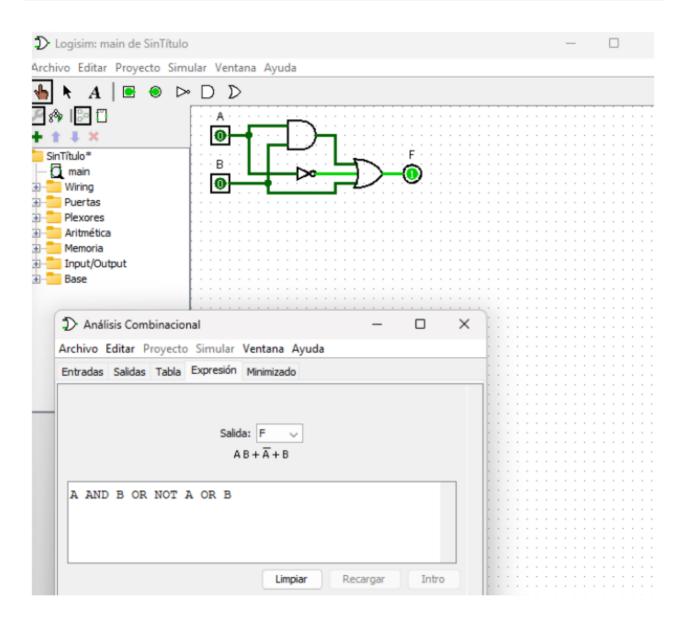
2024



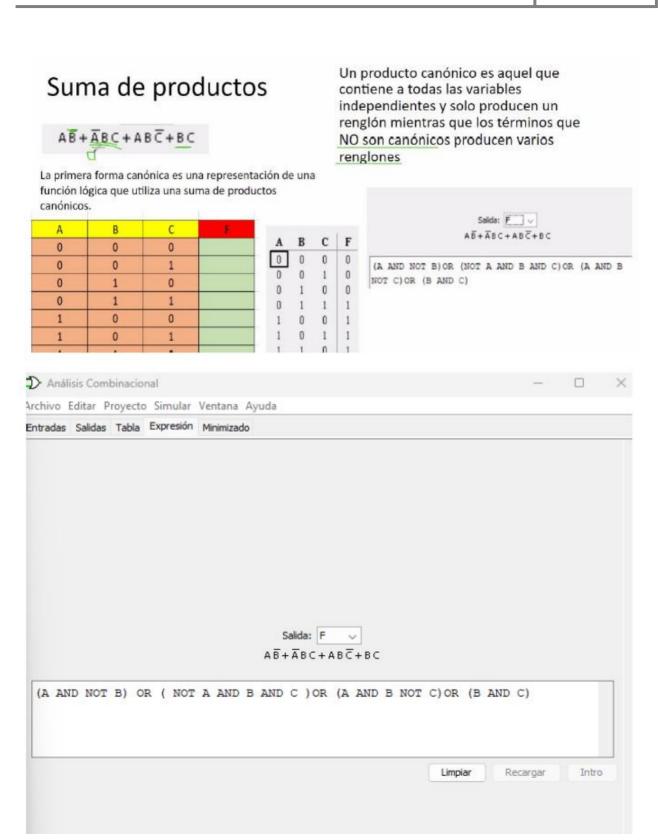




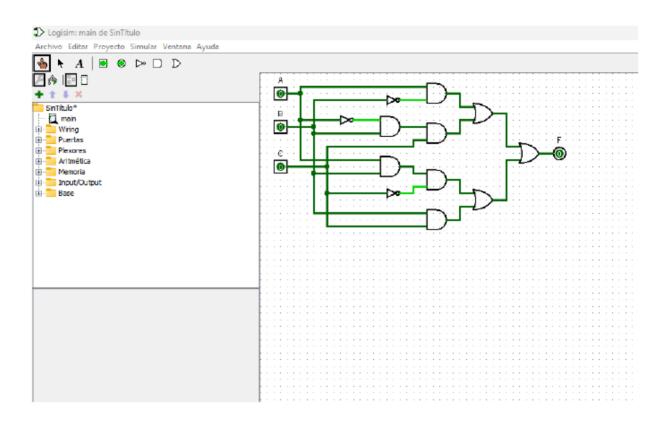


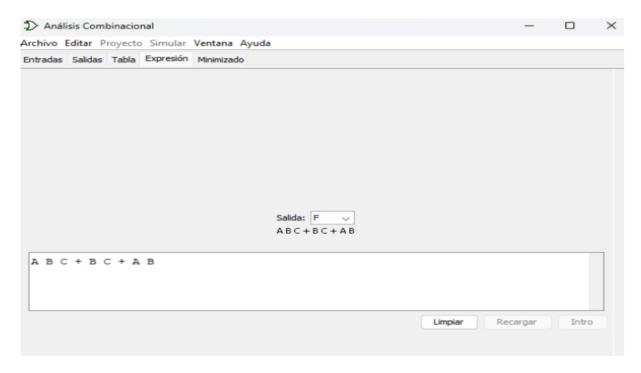




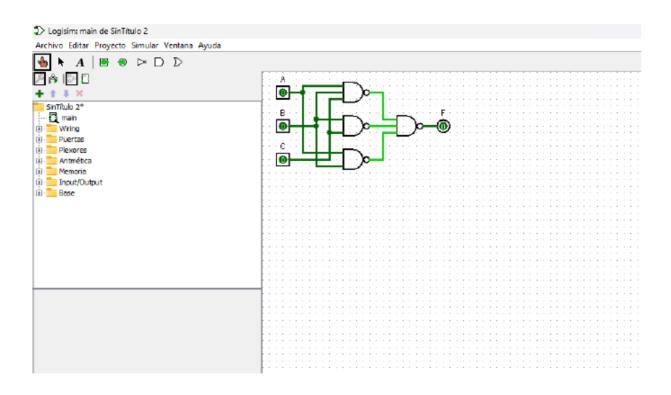


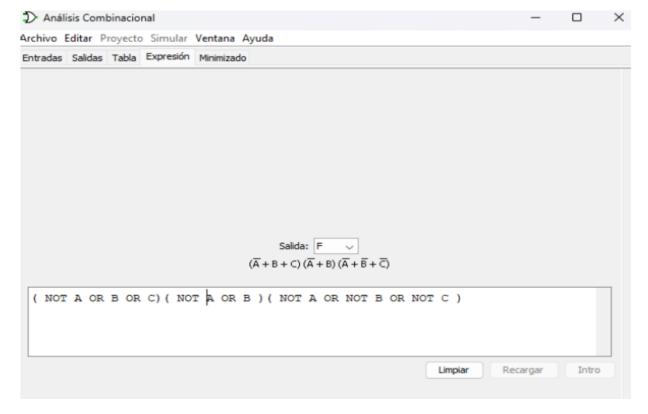


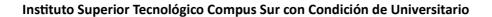




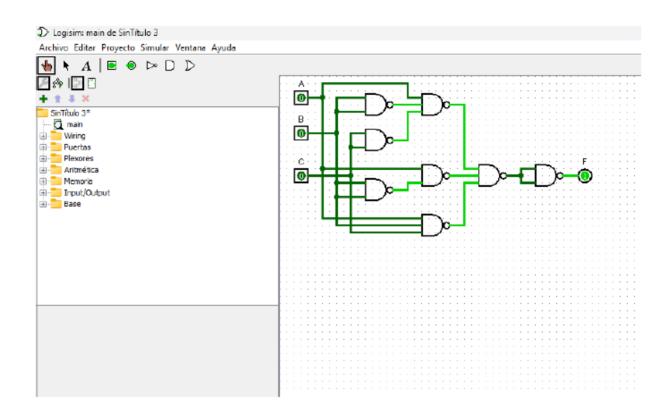


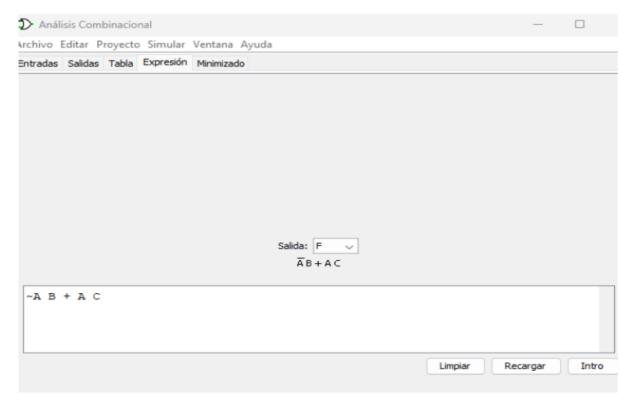






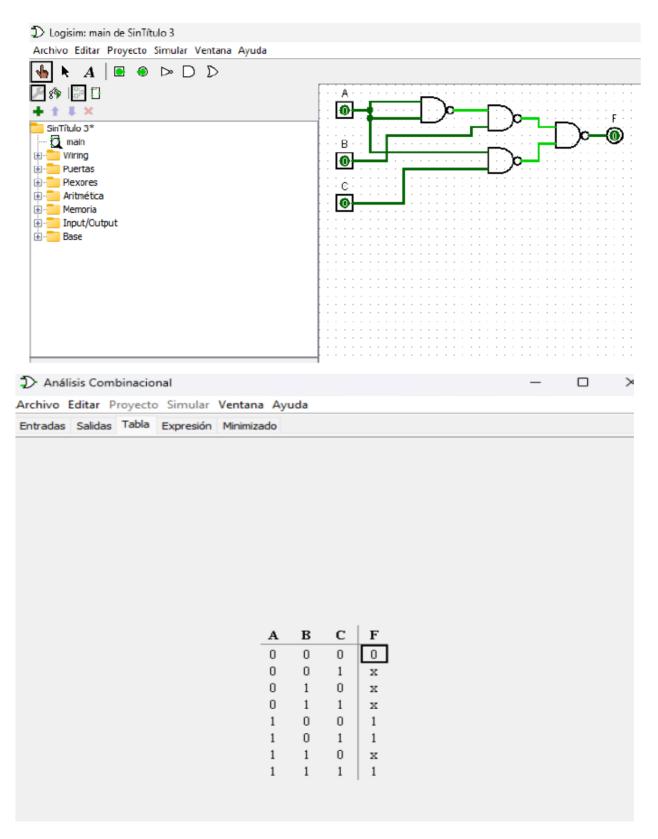








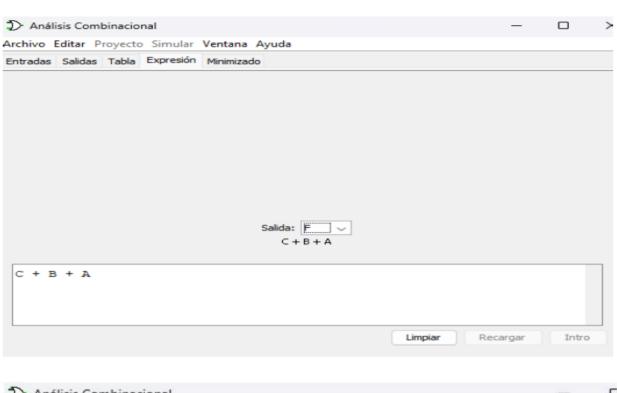


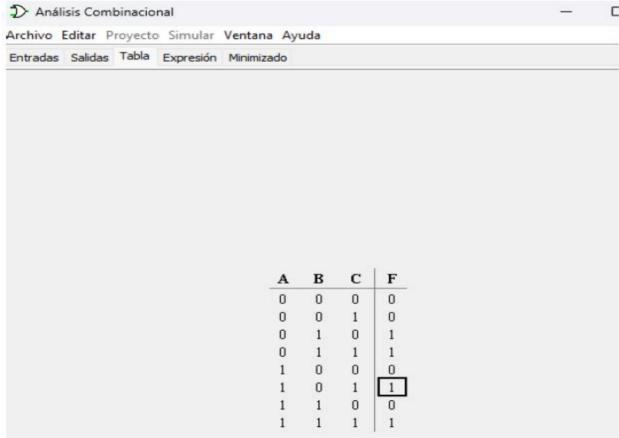




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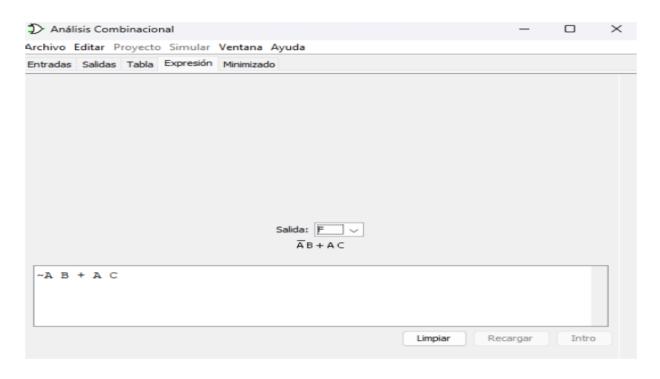


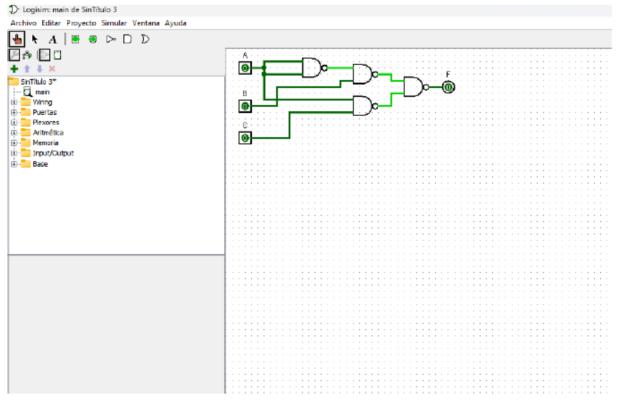




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Entradas	Salidas	Tabla	Expresión	Minimizado	
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# BINARIO OCTAL HEXADECIMAL DECIMAL

binario	octal	hexadecimal	de	ecimal	DECIMAL	HEX	BINARY
11010101	325	D5	_	213	0	0	9999
27/20/20/20/20/20/20/20/20/20/20/20/20/20/	-				1	1	0001
100101010	452	12A	298		2	5	0010
10001001	211	89		137	3	3	0011
100000000000000000000000000000000000000			-		4	4	0100
1100011	143	63	3	99	5	≥ 5	0101
		Bi	nario	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	A B	1011
		_	101	5	12	C	1100
		_		_	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



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# Creación de un perfil en Tinkercad para simular circuitos

