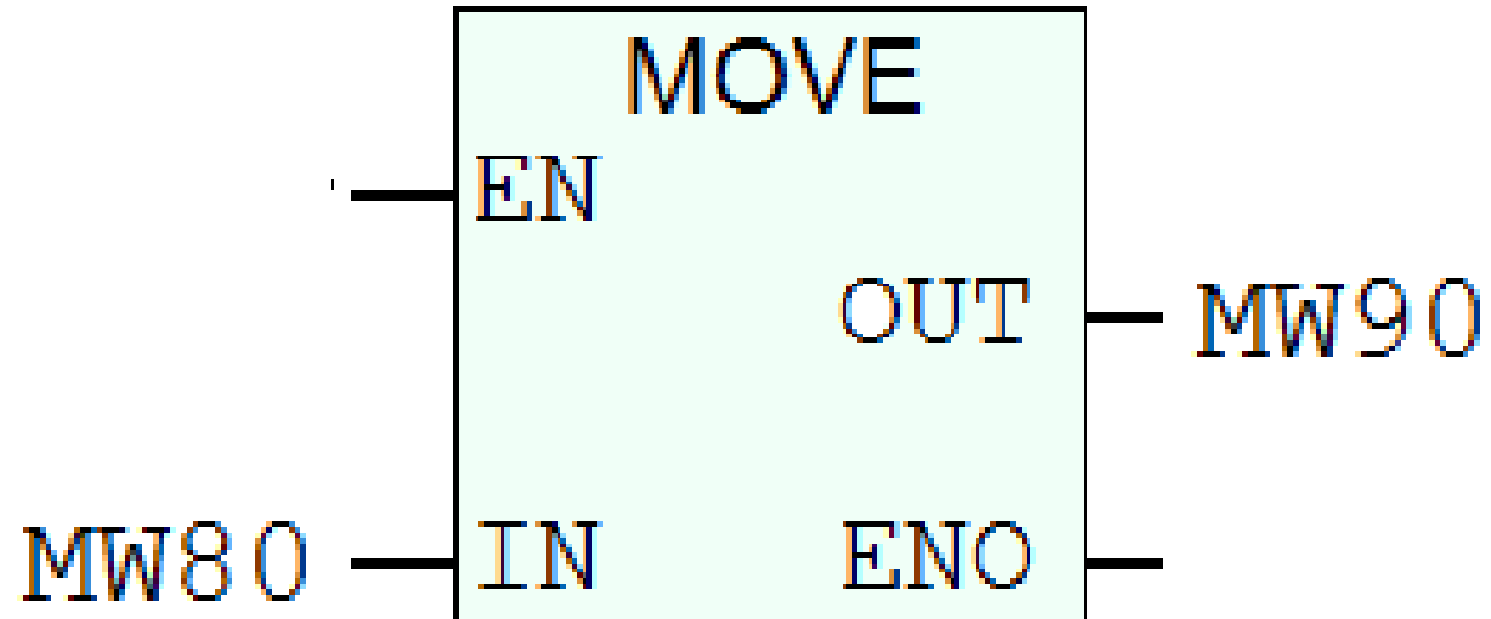


PLC II

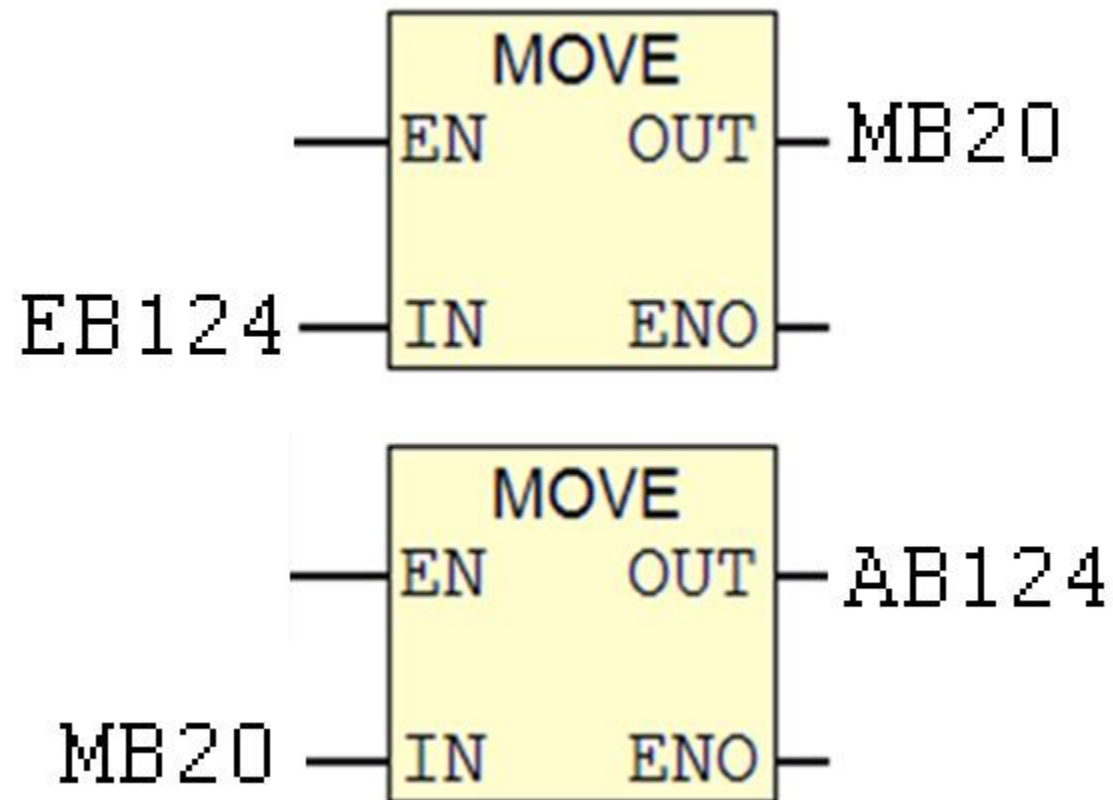
TRATAMIENTO DE SEÑALES ANALOGICAS

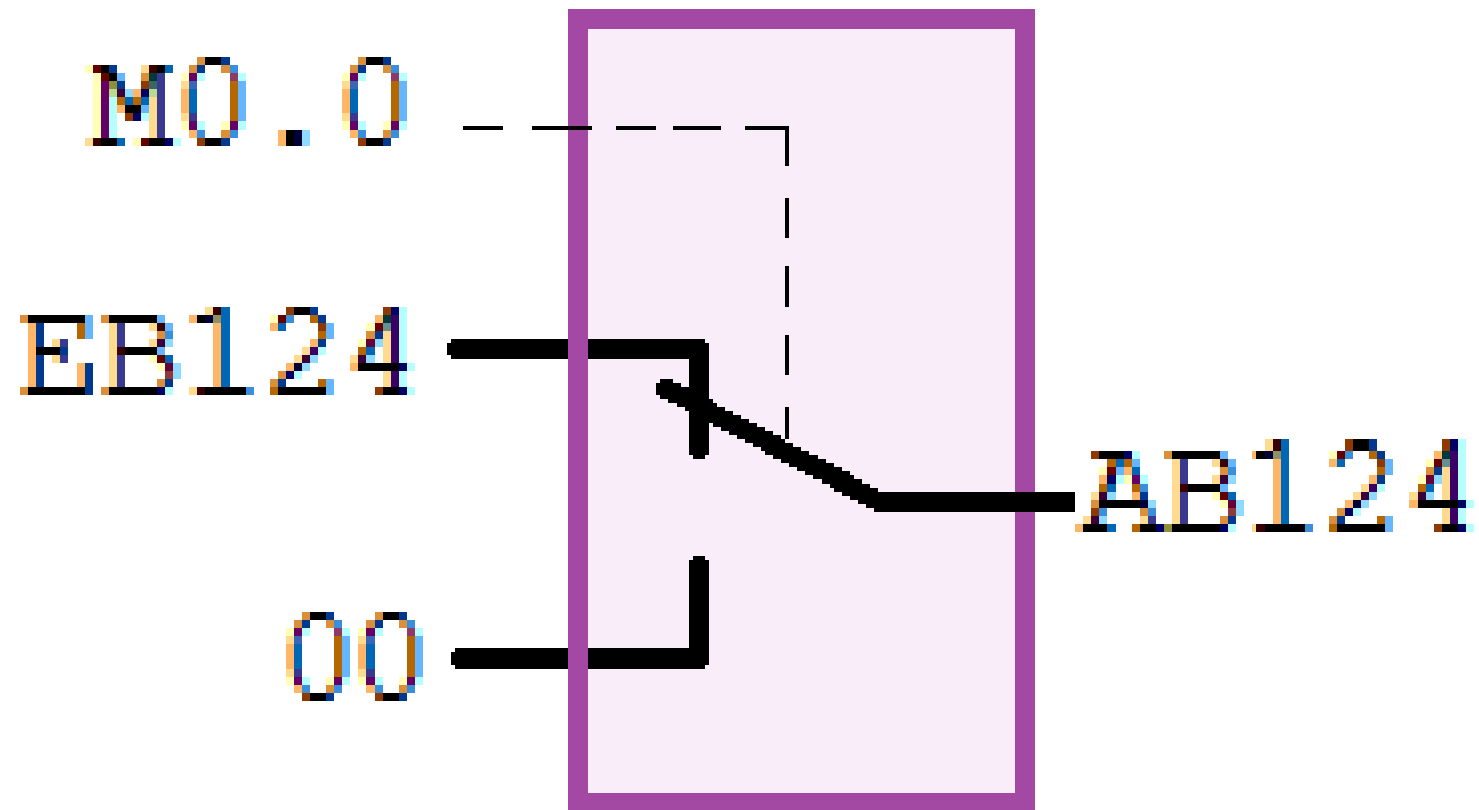
Ing. Denis Chávarry Hernández

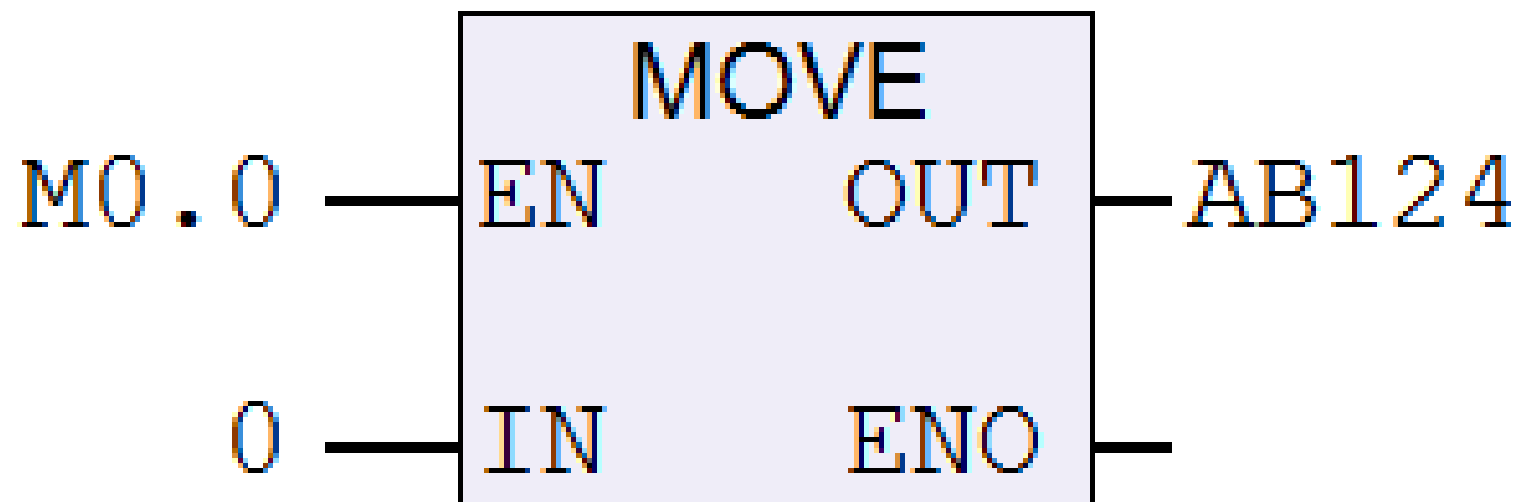
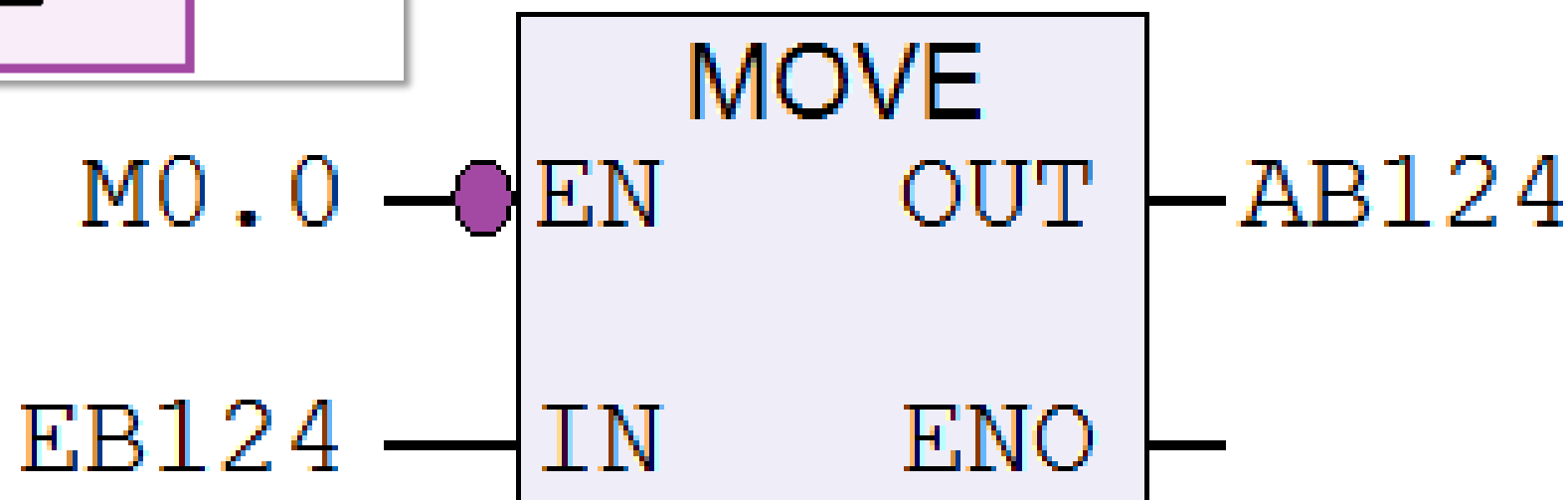
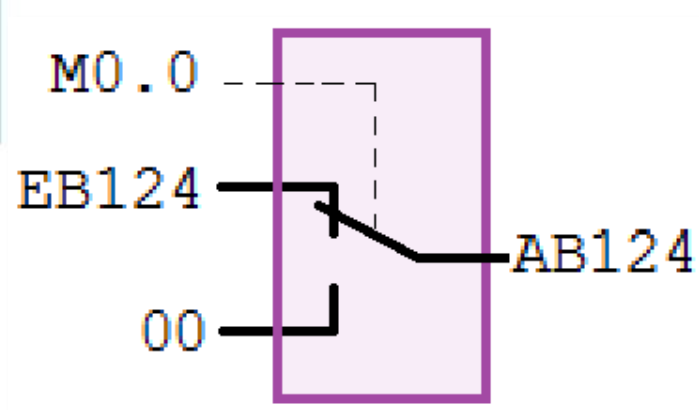
TRANSFERENCIA

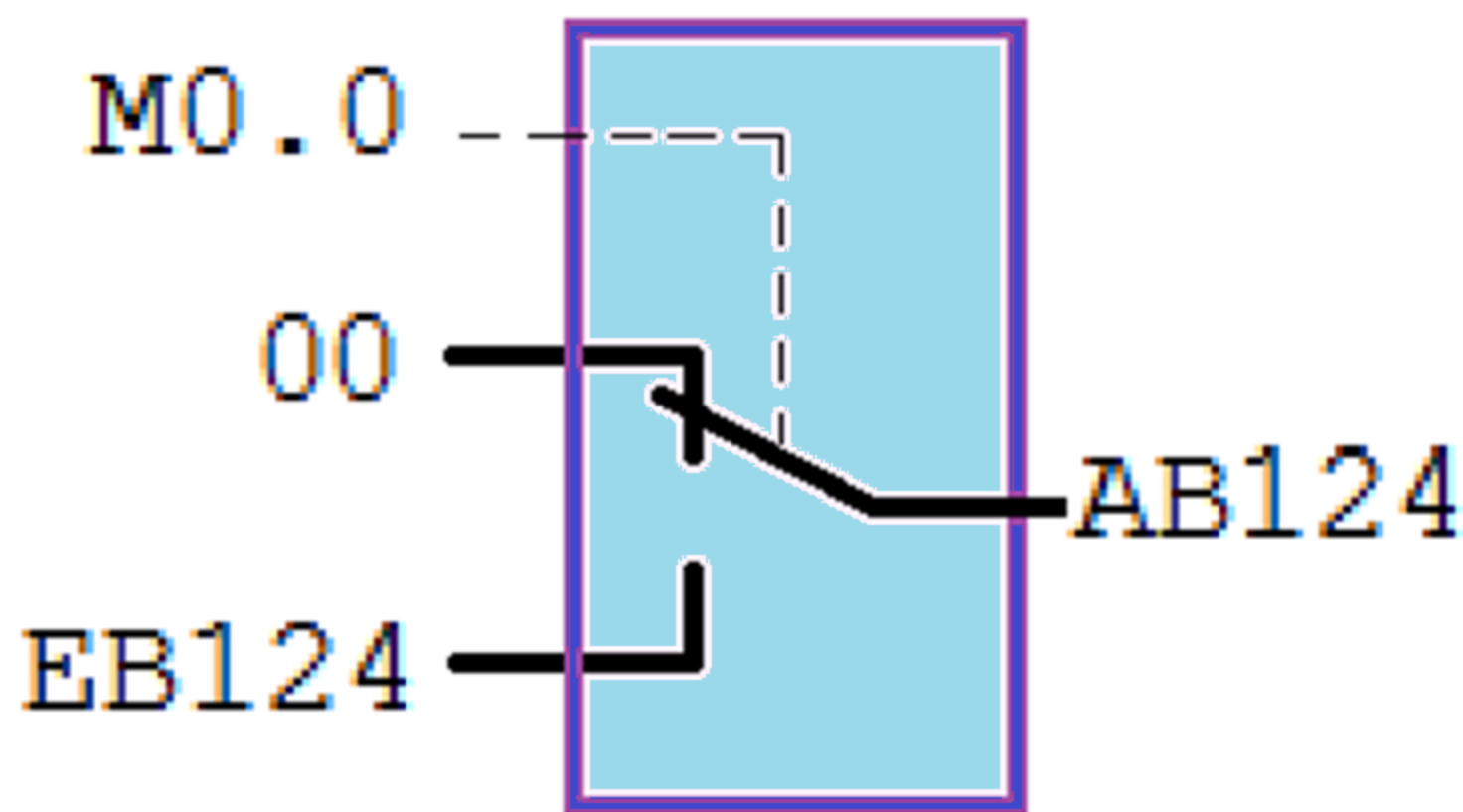


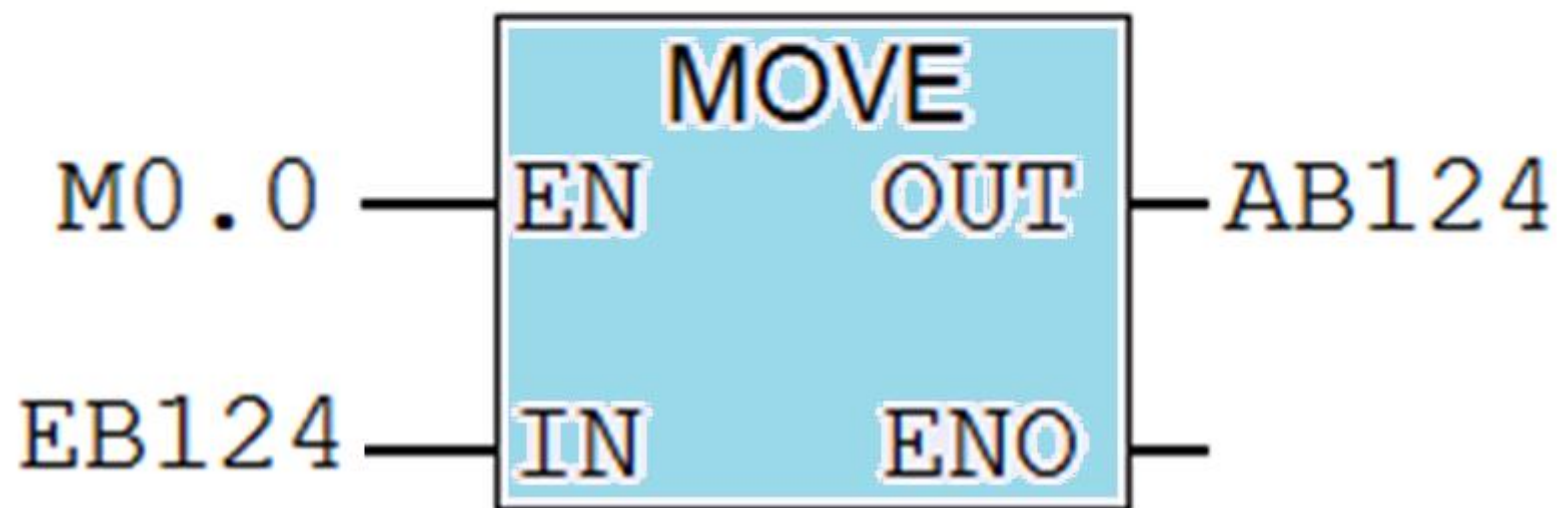
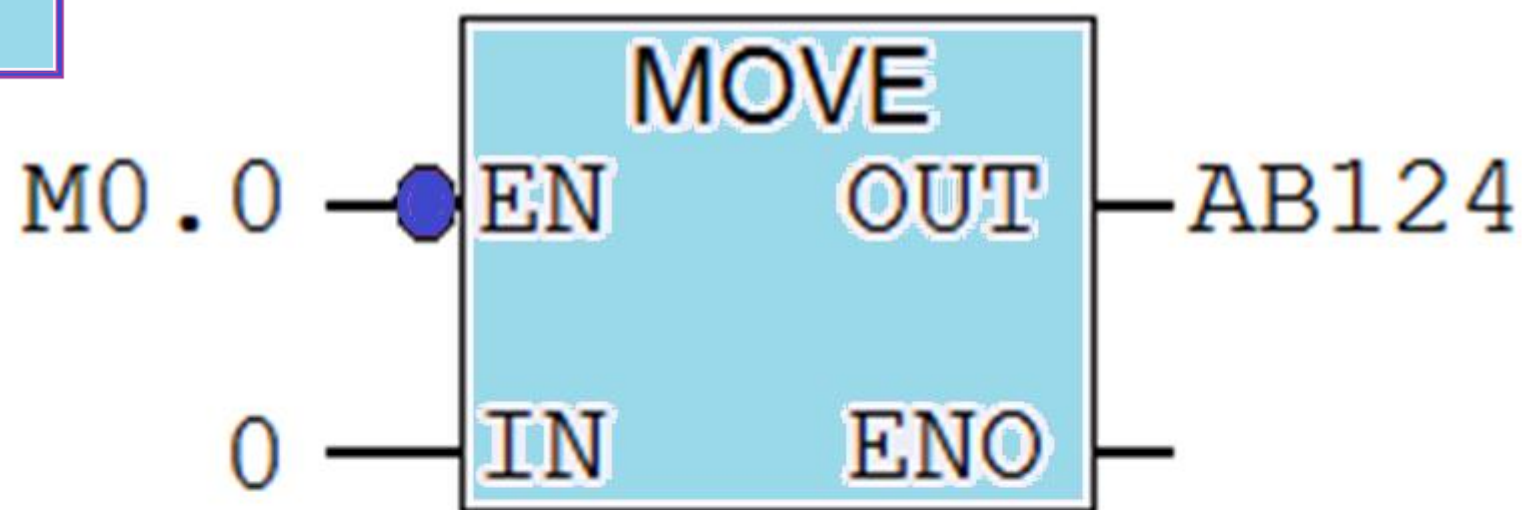
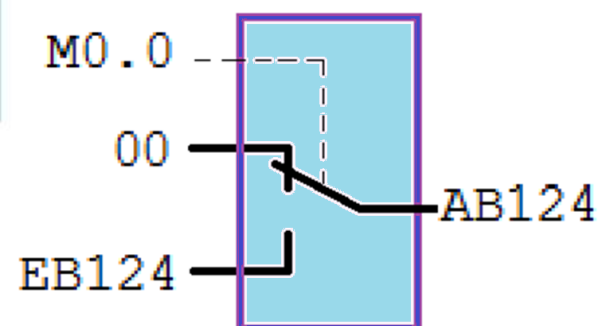
TRANSFERENCIA

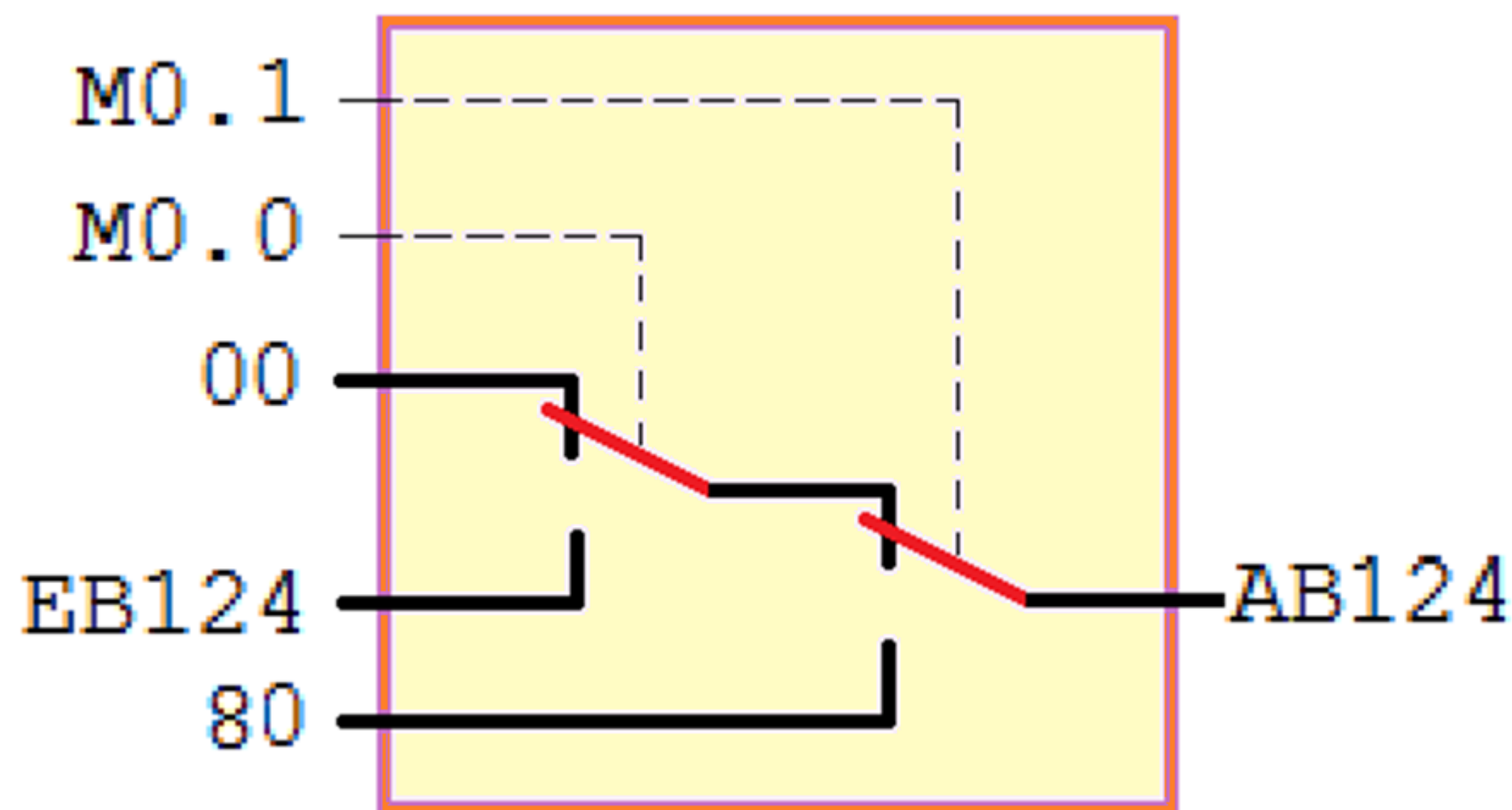


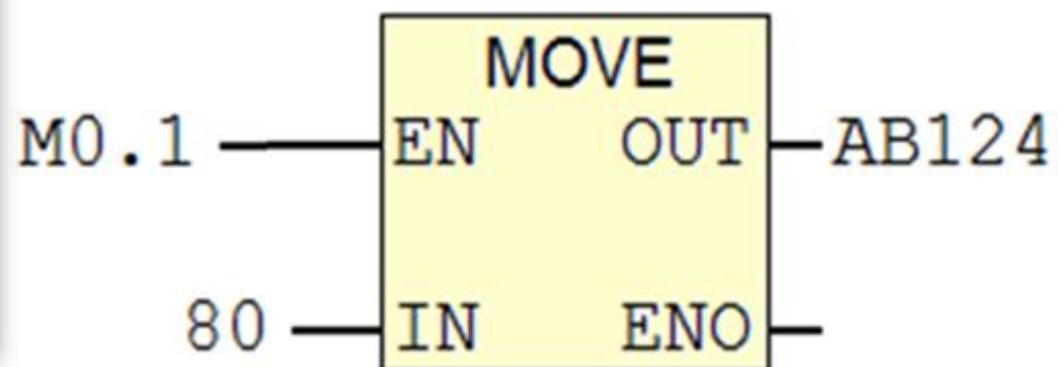
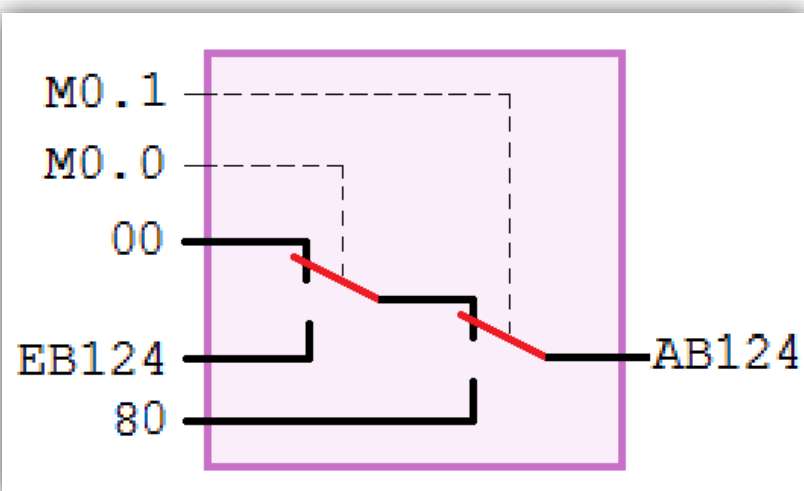
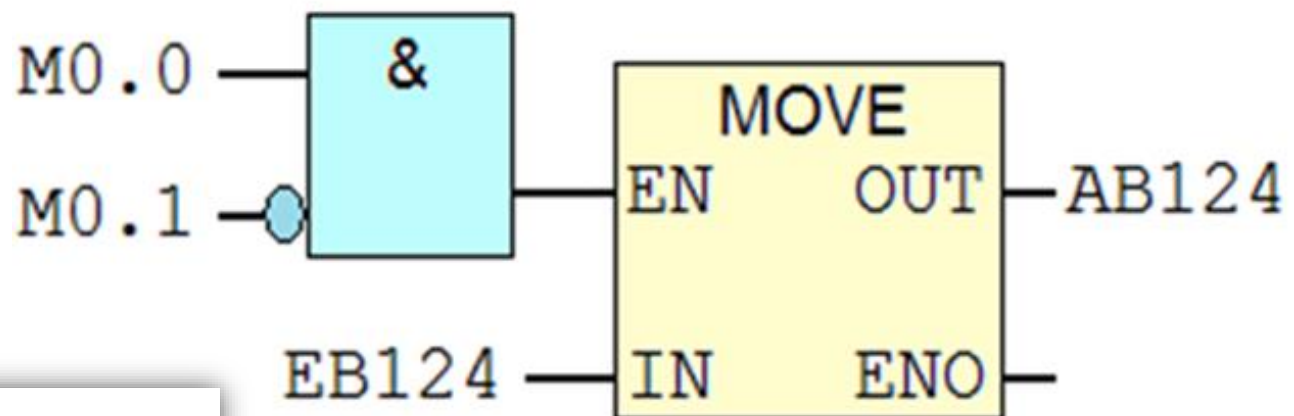
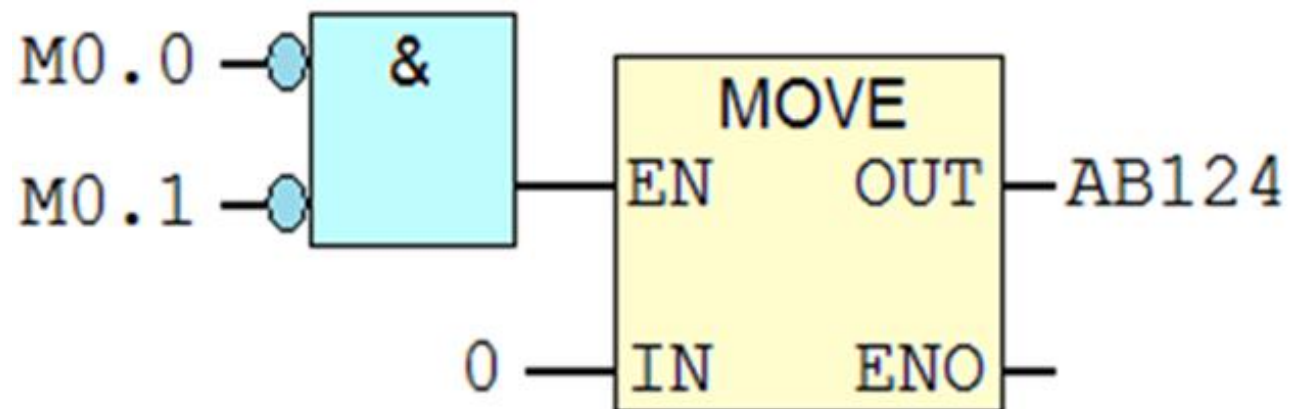




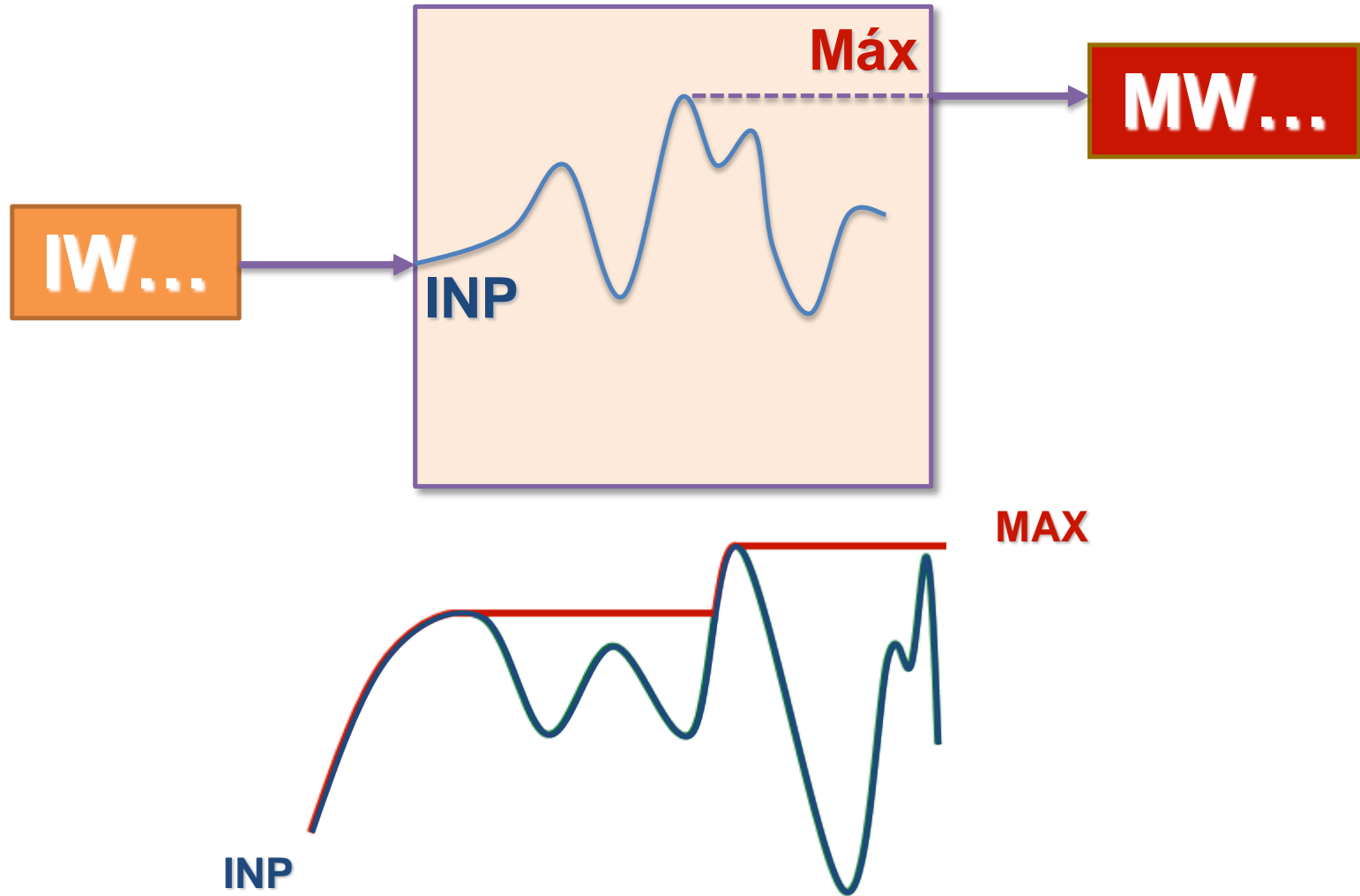




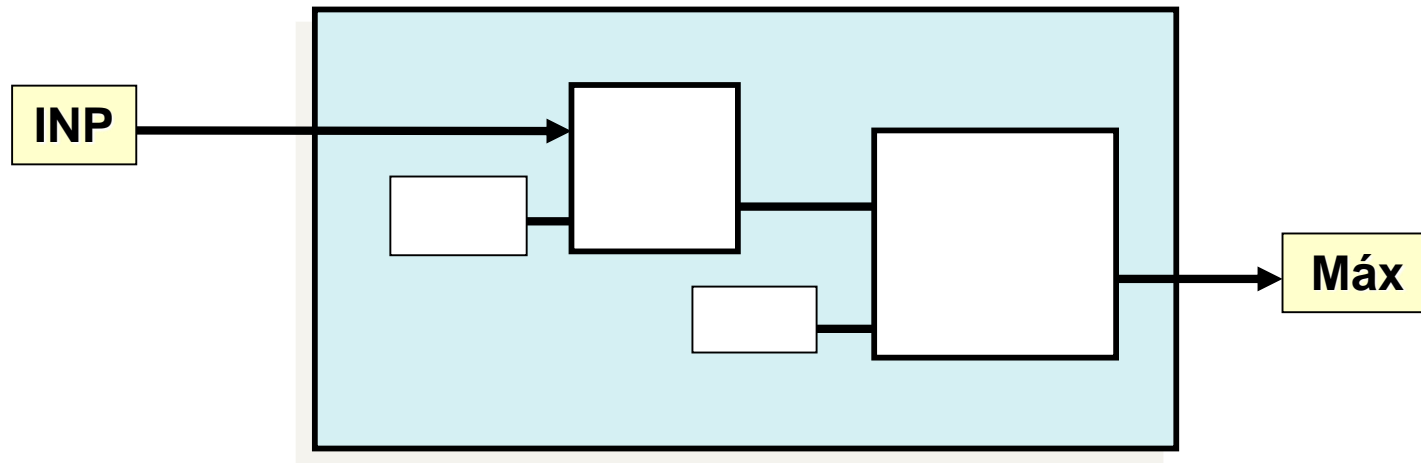
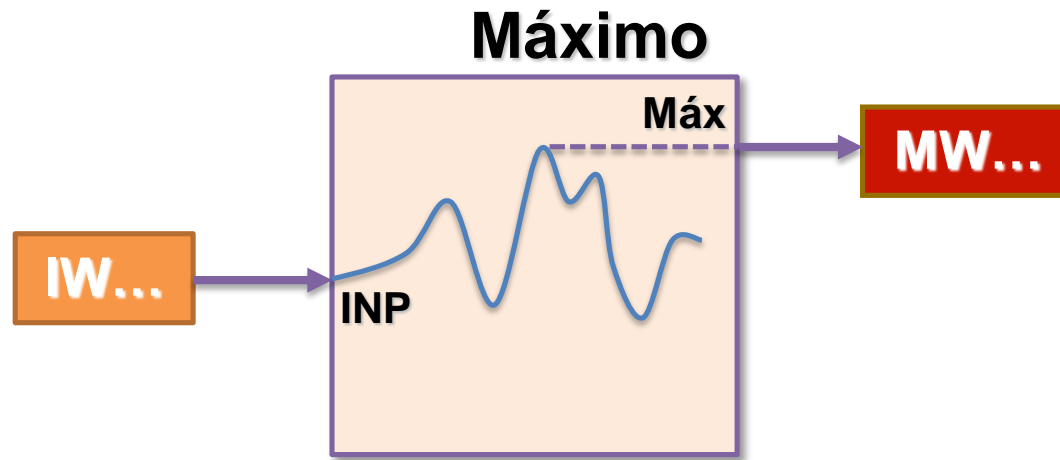




Máximo

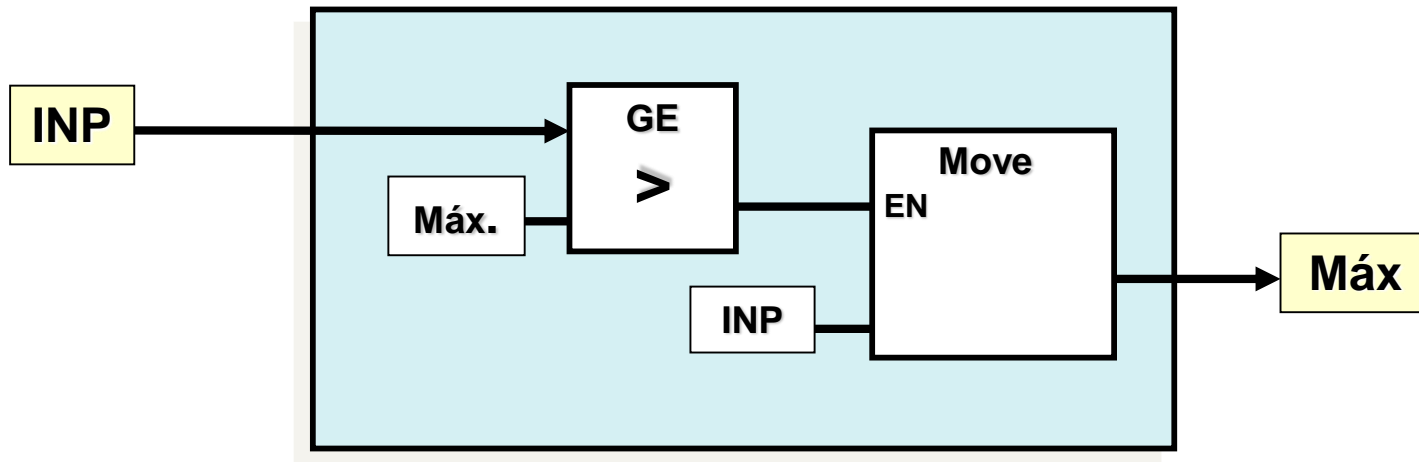
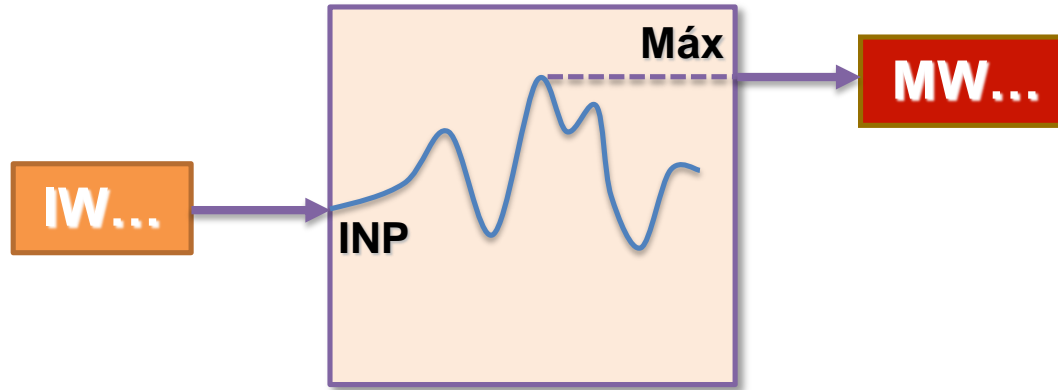


Indicar el valor Máximo.

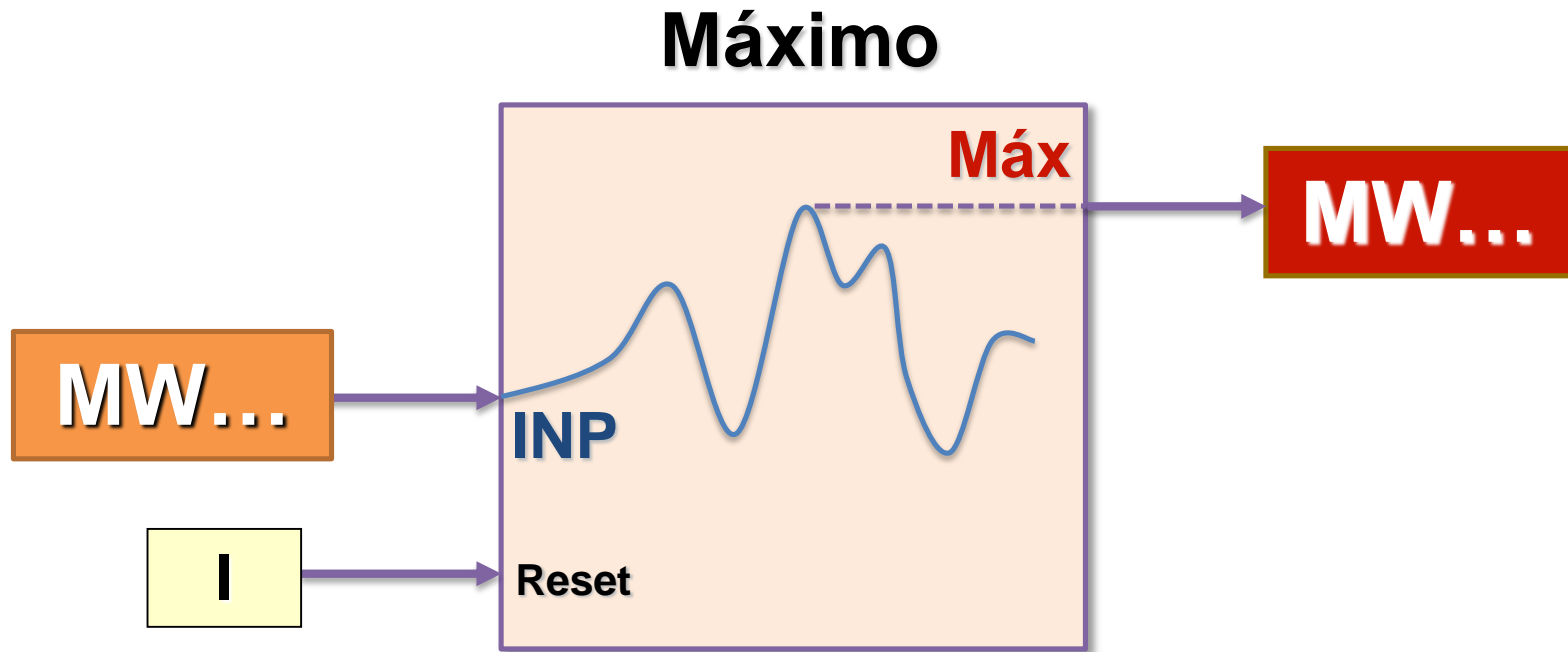


Indicar el valor Máximo.

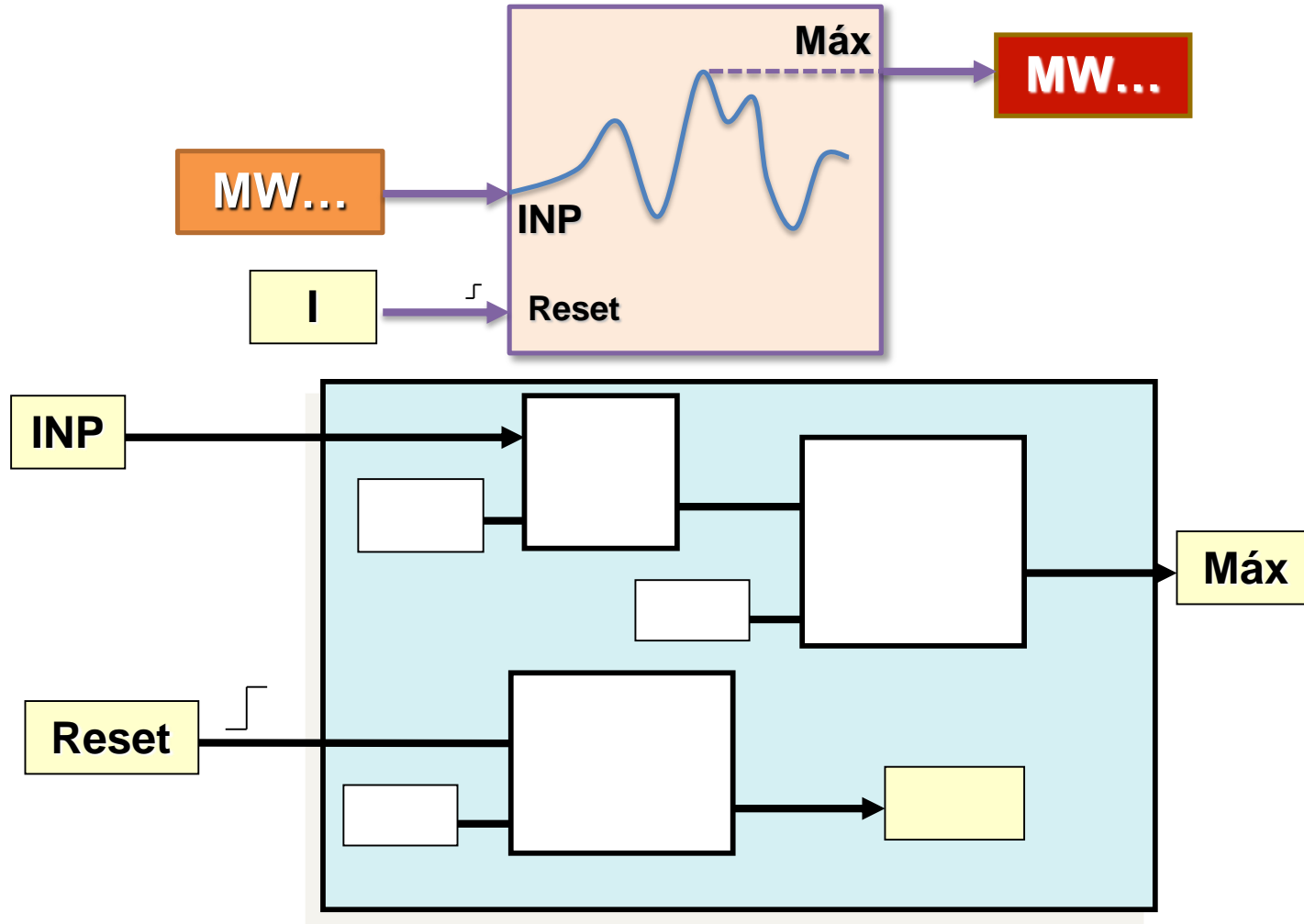
Máximo



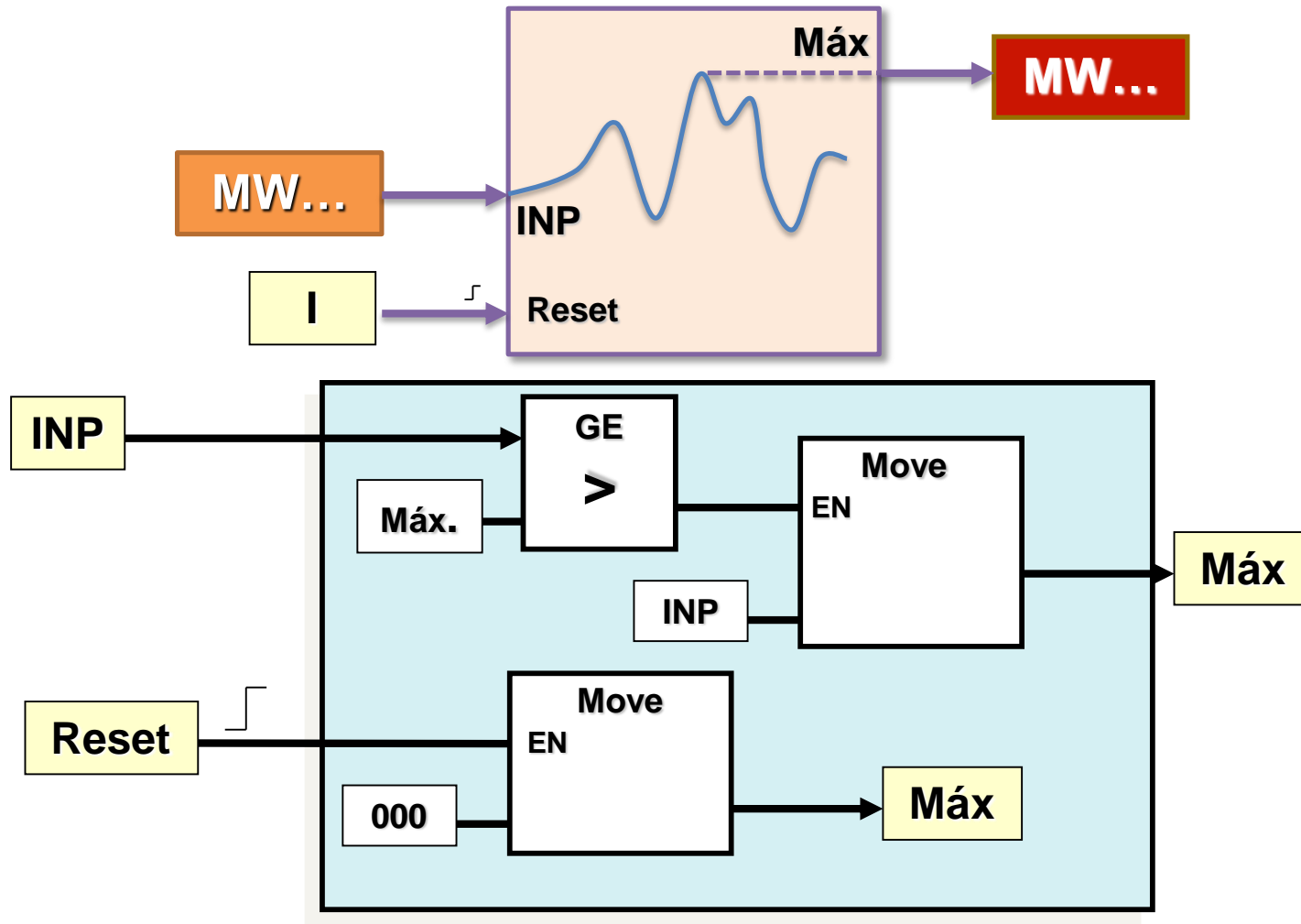
Indicar el valor Máximo, con Reset.



Máximo

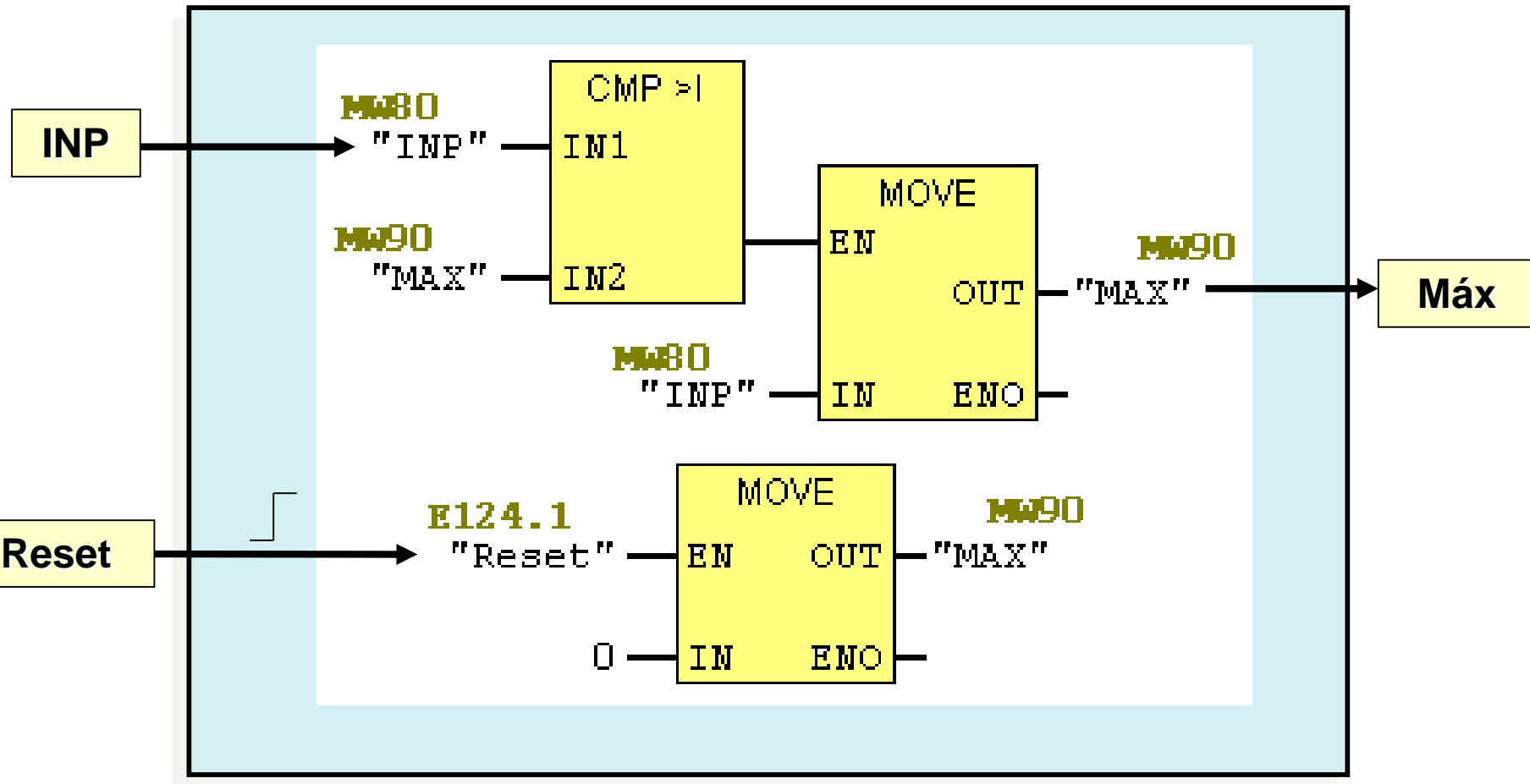


Máximo



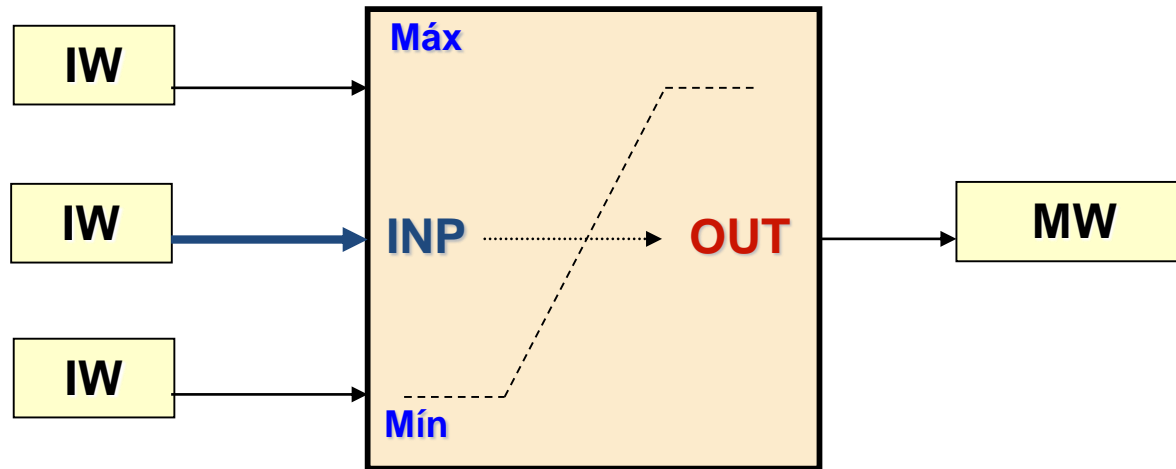
Indicar el valor Máximo.

Máximo



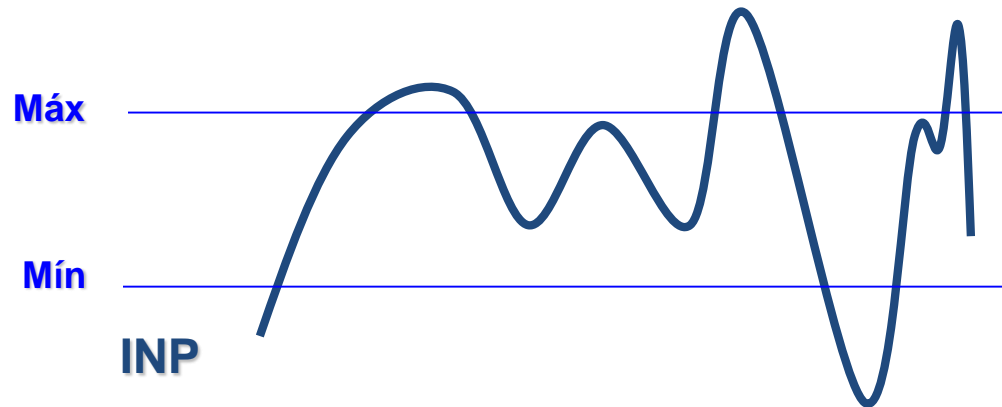
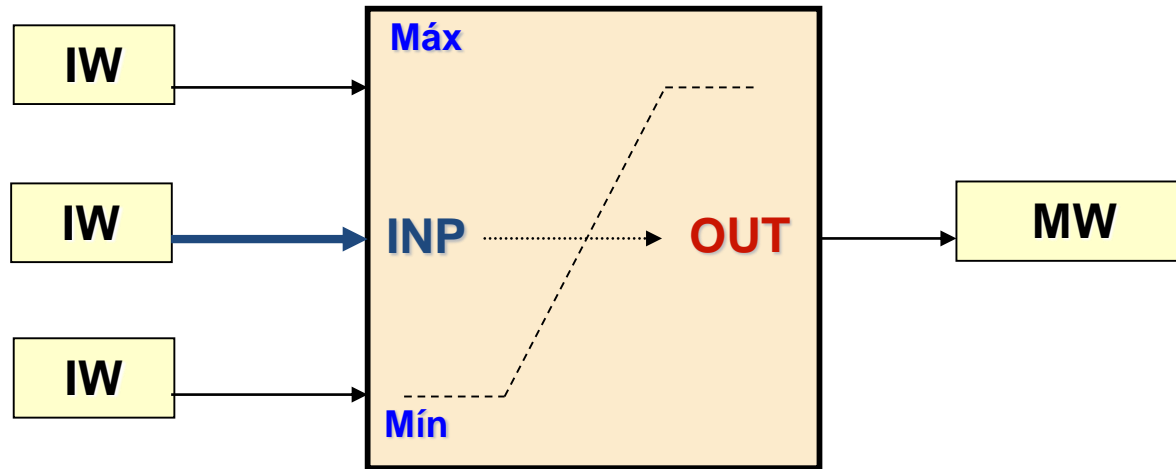
Bloque de función LIMITE.

Límite



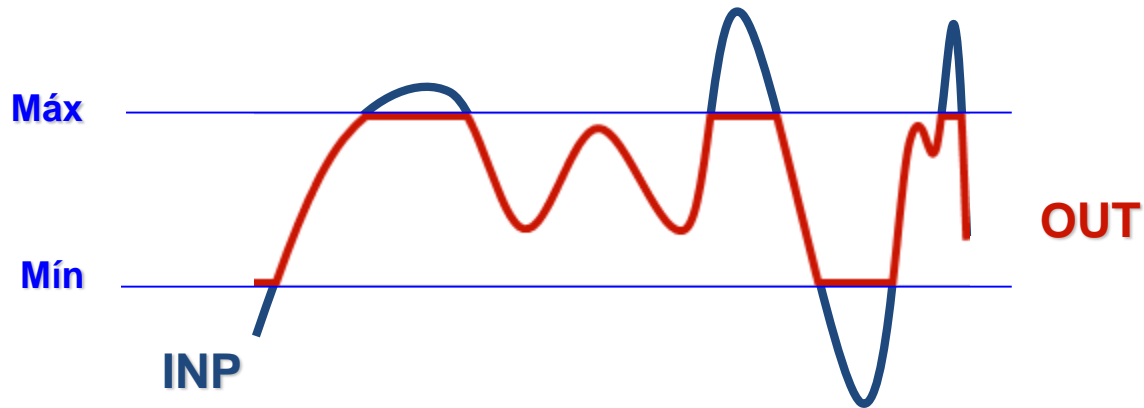
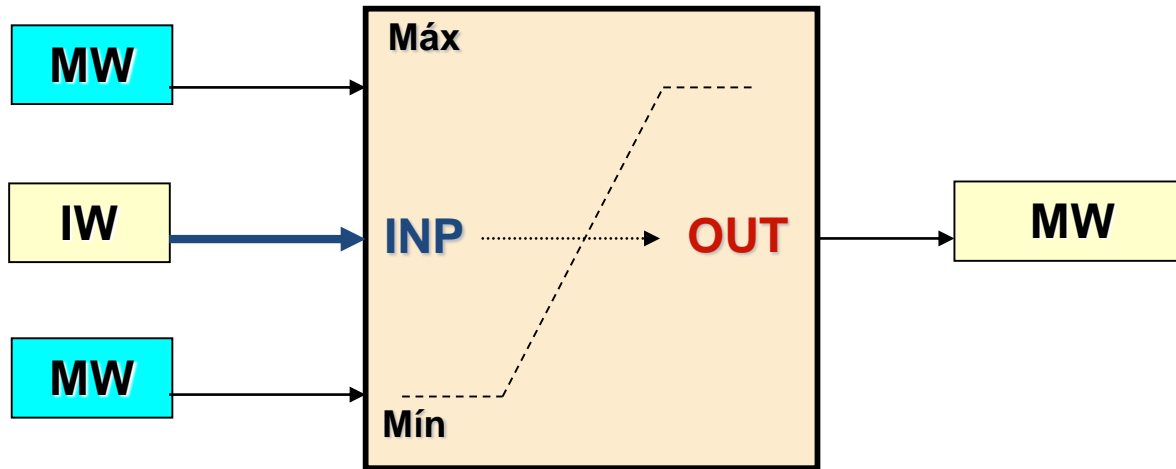
Bloque de función LIMITE.

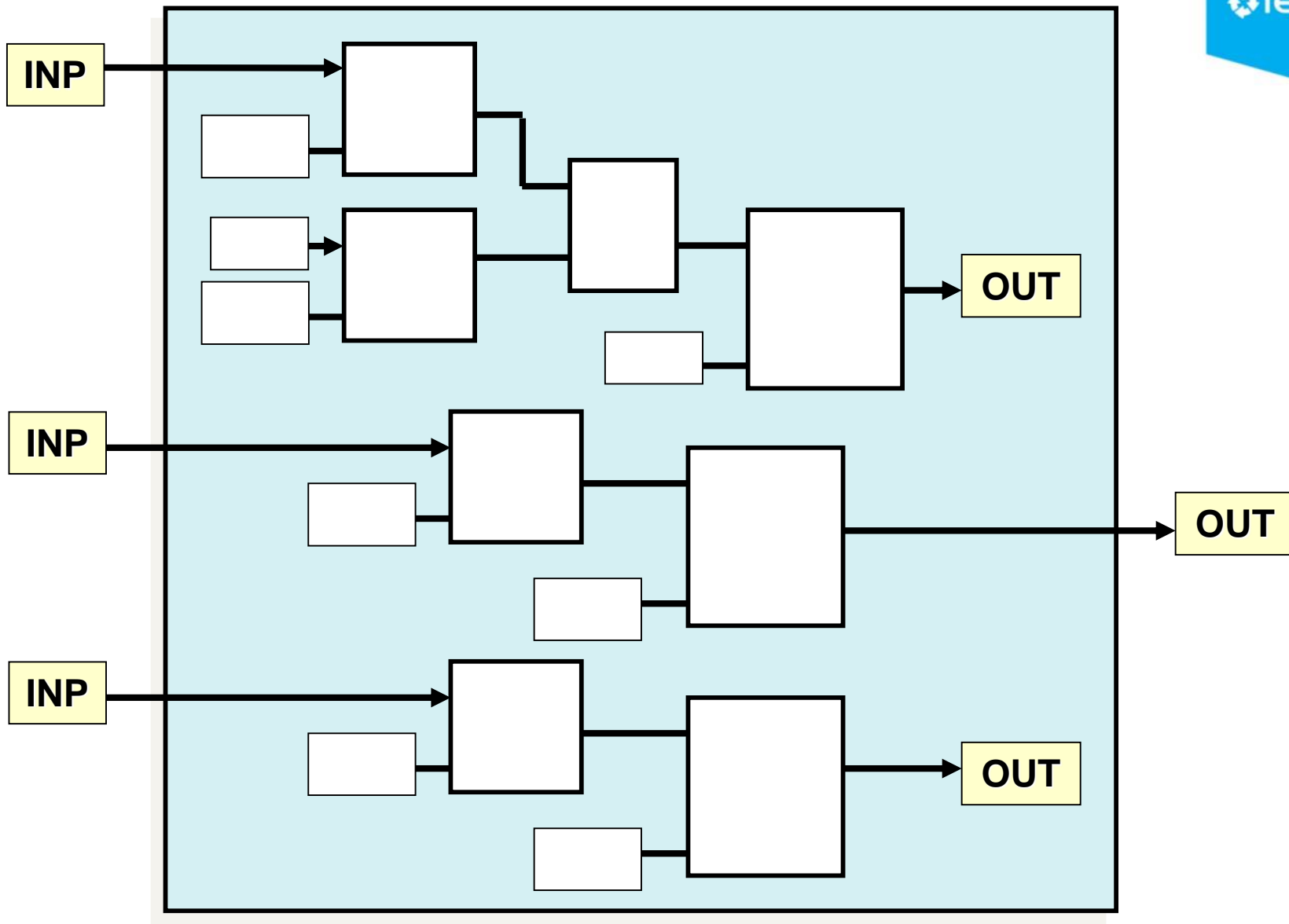
Límite

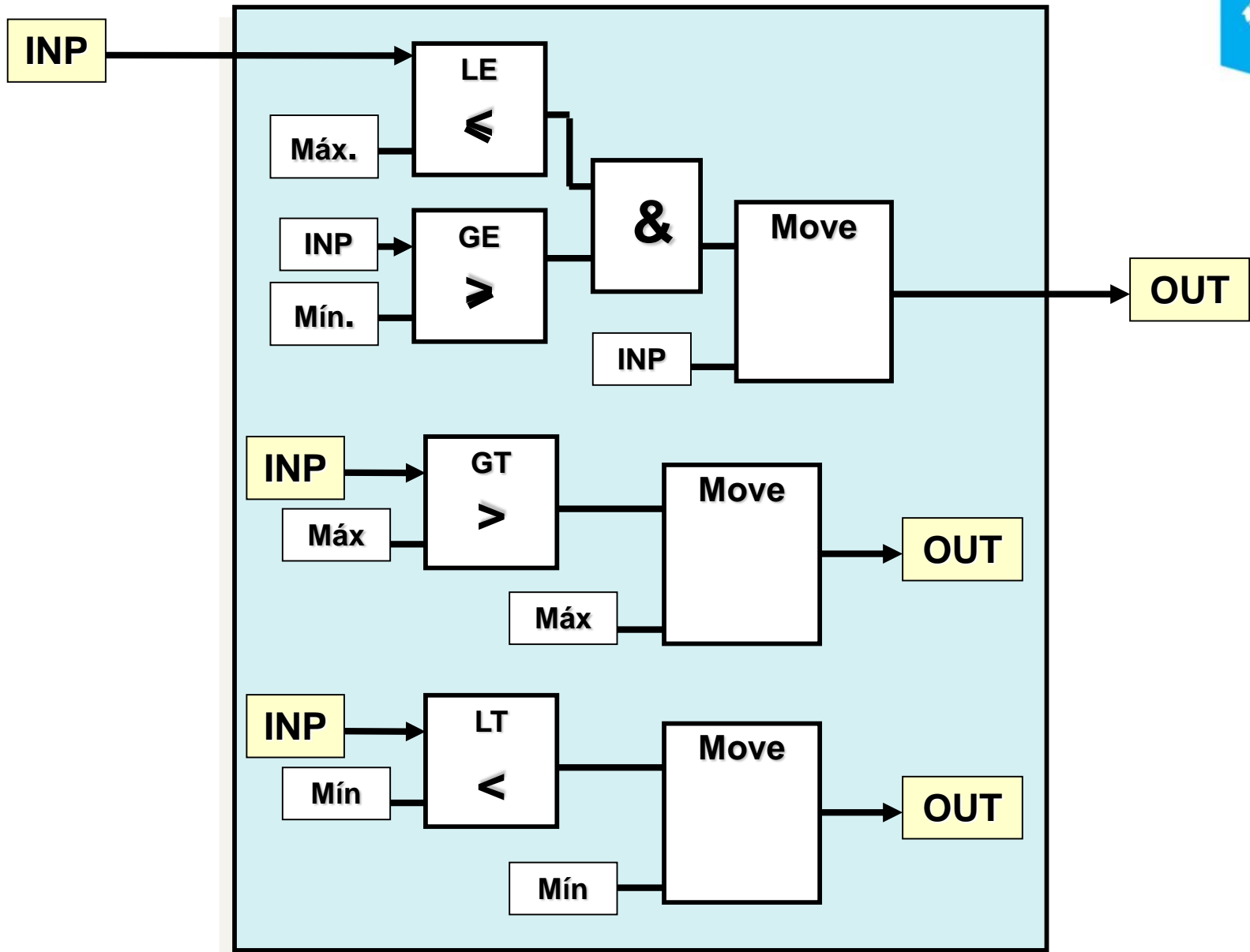


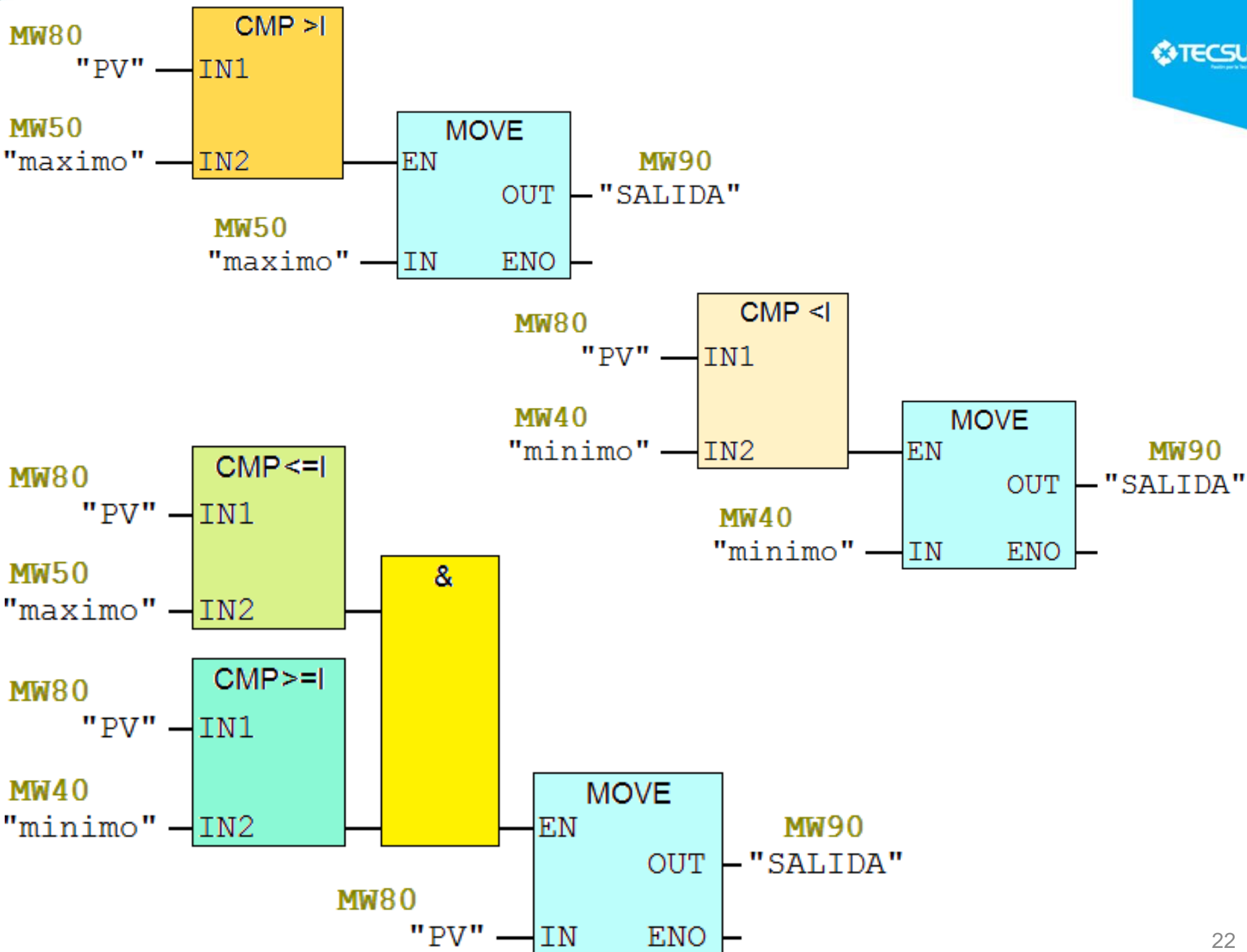
Bloque de función LIMITE.

Límite

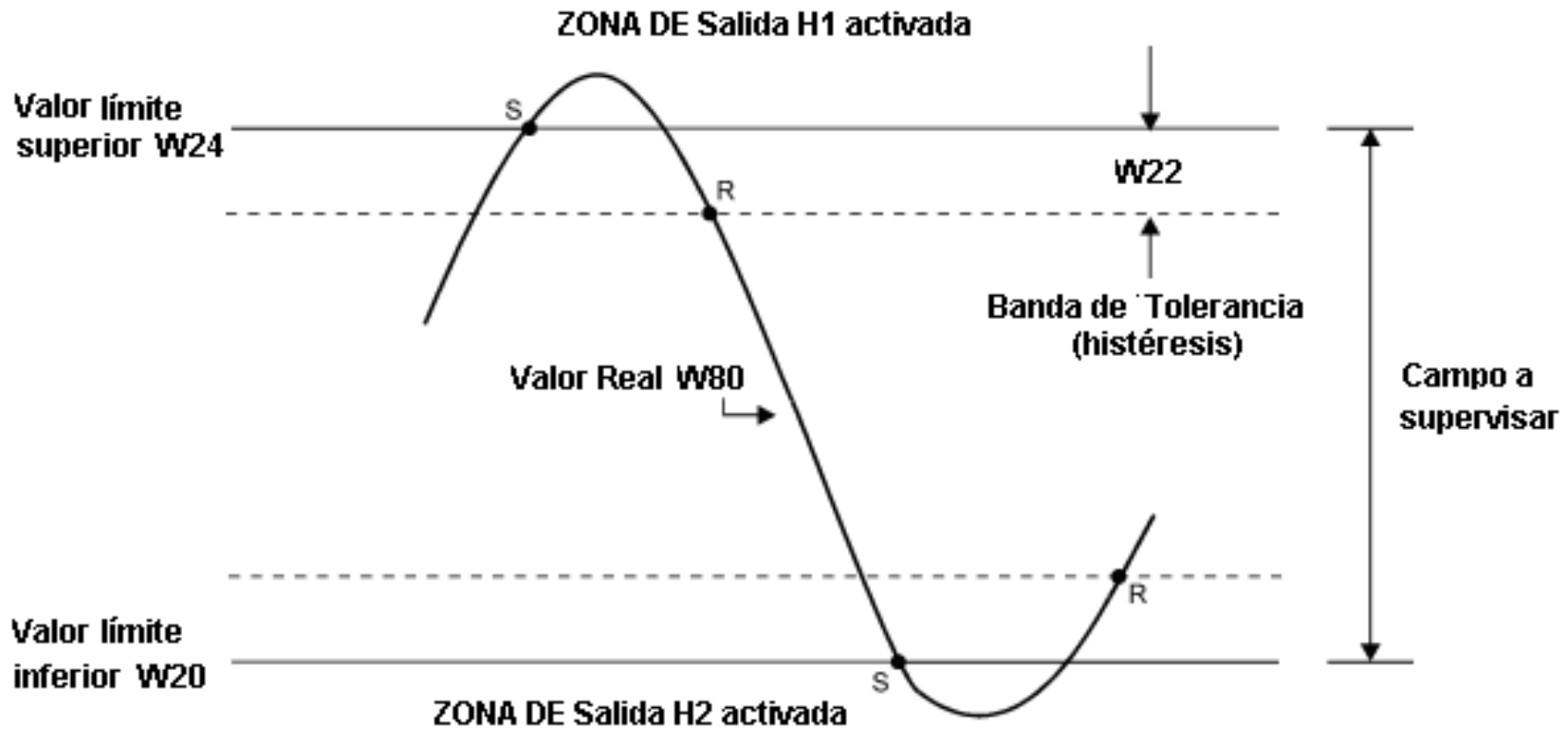








VALORACIÓN DE LÍMITE CON HISTÉRESIS

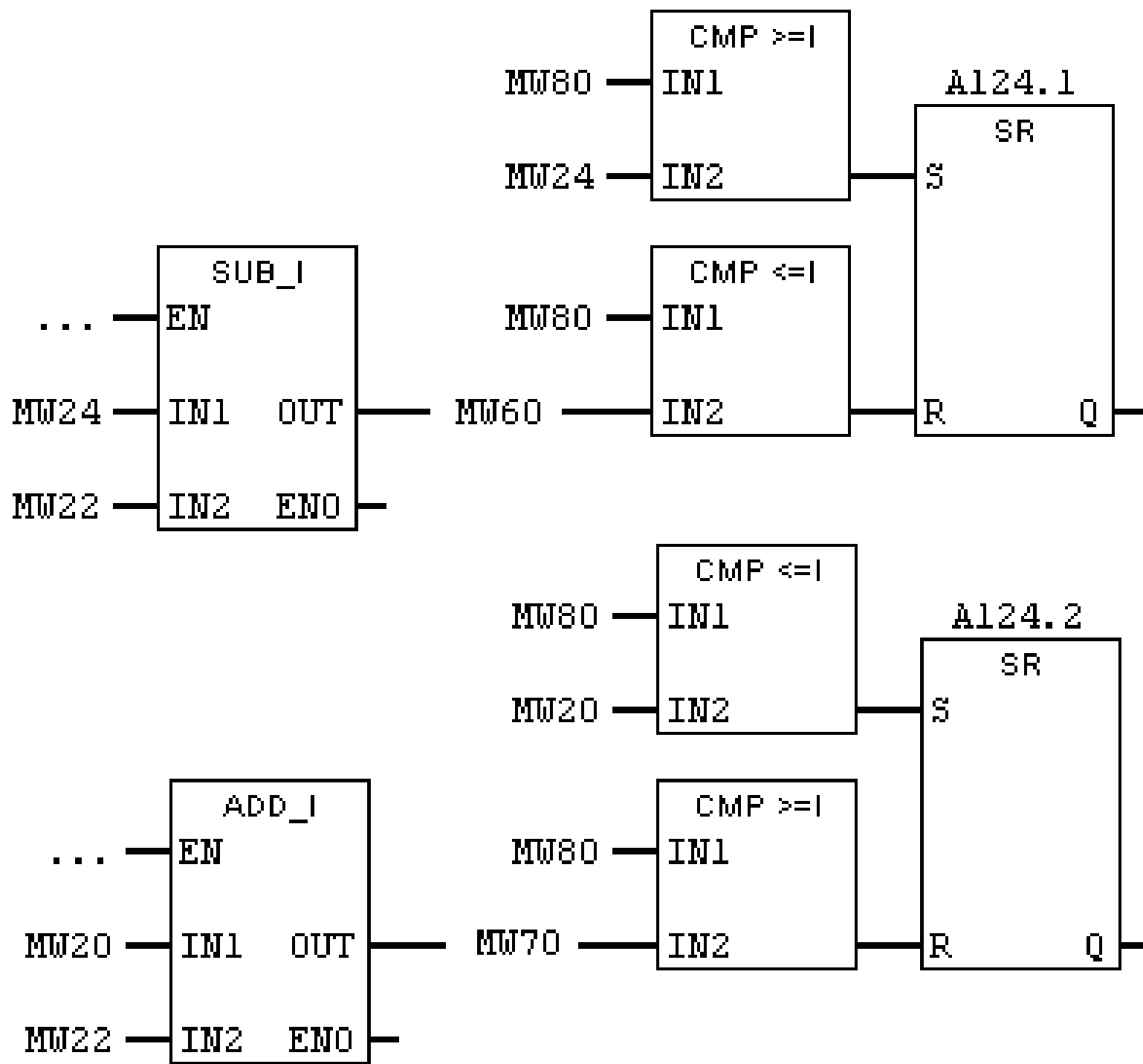


H1

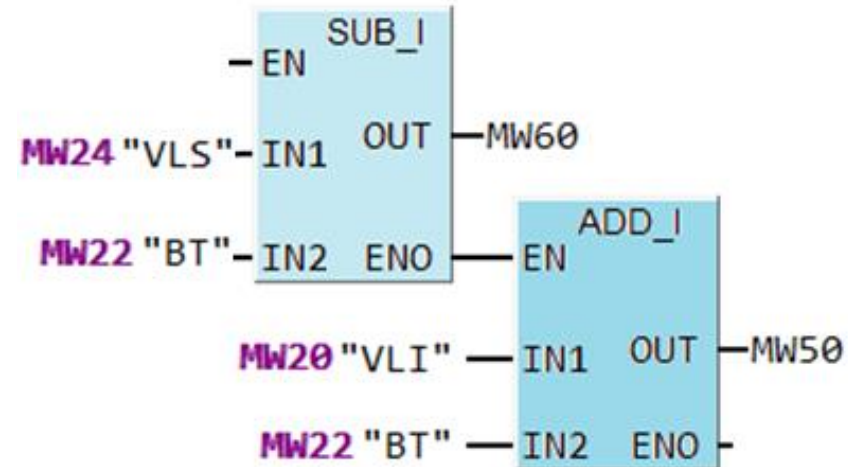
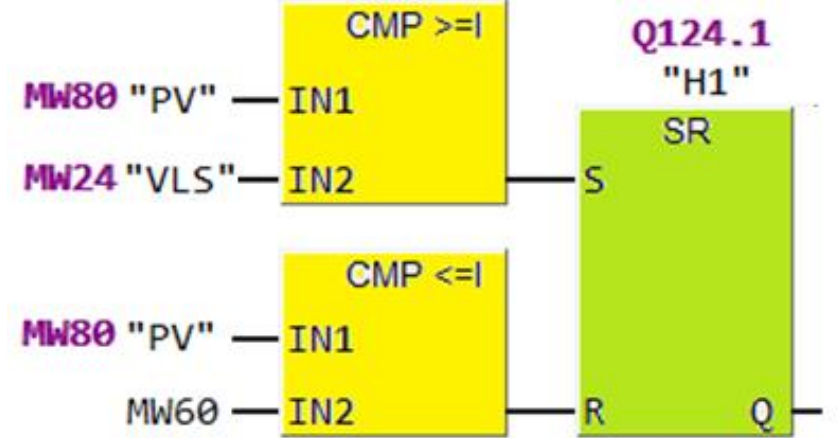
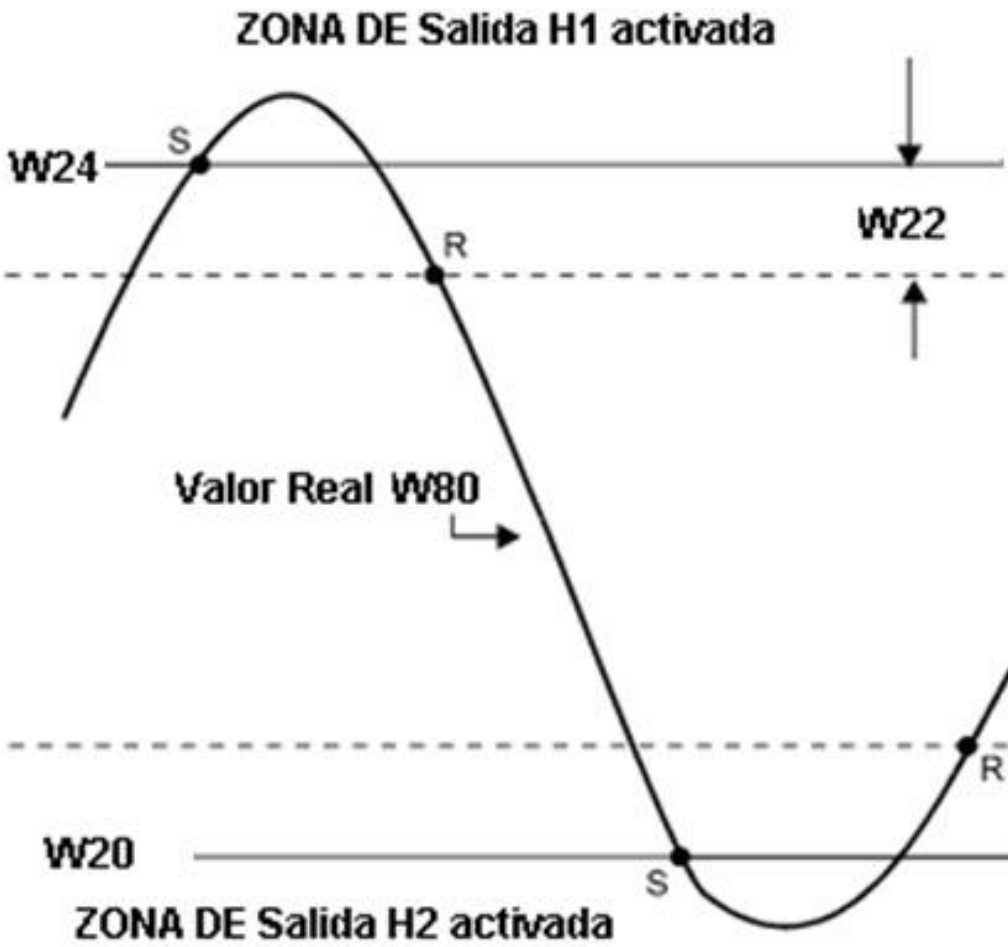
H2

H3

S



VALORACIÓN DE LÍMITE CON HISTÉRESIS



MARCA DE CICLO

Propiedades - CPU 313C-2 DP - (B0/S2)

Alarmas horarias | Alarmas cíclicas | Diagnóstico / Reloj | Protección | Comunicación

General | Arranque | **Ciclo / Marca de ciclo** | Remanencia | Alarmas

Ciclo

☒ Actualizar cíclicamente la imagen de proceso del OB1

Tiempo de vigilancia del ciclo [ms]:

Tiempo de ciclo mín. [ms]:

Carga del ciclo por comunicaciones [%]:

Tamaño de la imagen del proceso:

Llamada del OB85 en caso de error de acceso a la periferia:

Marca de ciclo

☒ Marca de ciclo

Byte de marcas:

Las marcas de ciclo son marcas que cambian periódicamente su valor binario.

Active la casilla de verificación si desea utilizar una marca de ciclo e introduzca el número del Byte de marcas.

Duración del período

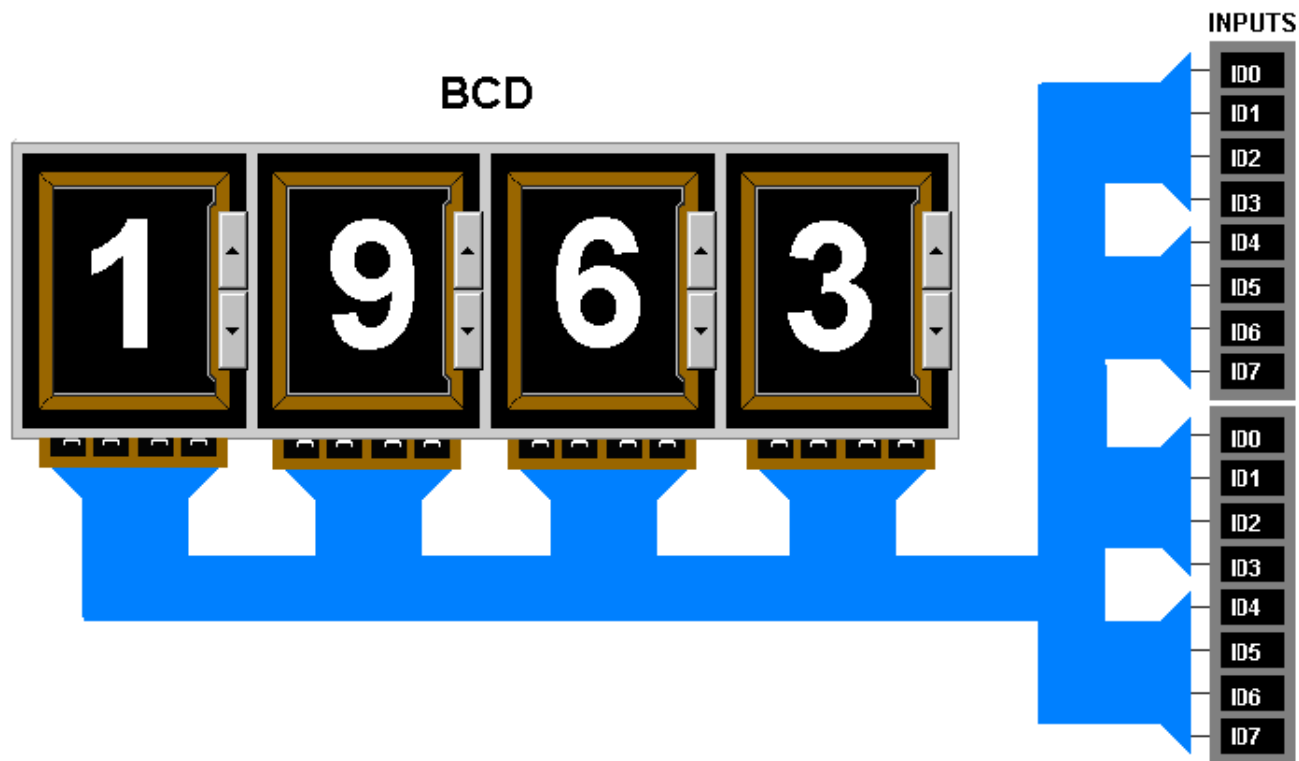
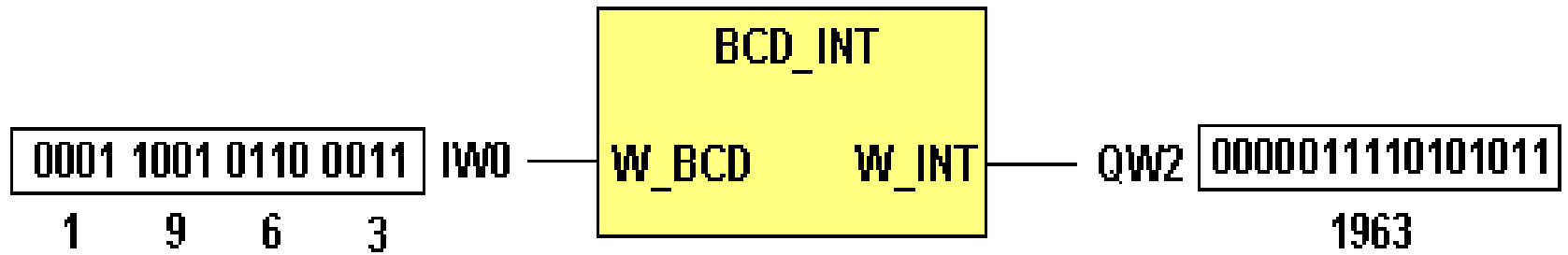
Cada bit del byte de marcas de ciclo lleva asignada una duración de período/frecuencia:

Bit	7	6	5	4	3	2	1	0
Duración del período (s):	2	1,6	1	0,8	0,5	0,4	0,2	0,1
Frecuencia (Hz):	0,5	0,625	1	1,25	2	2,5	5	10

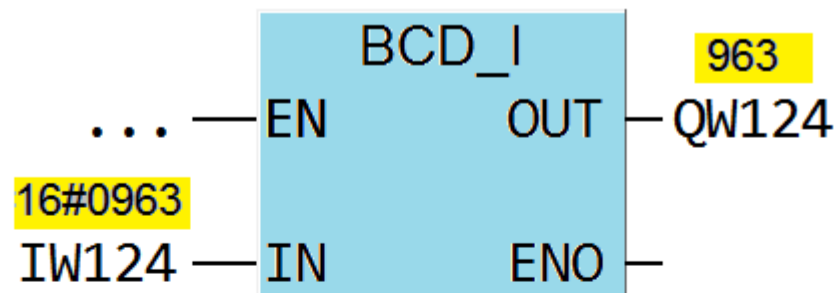
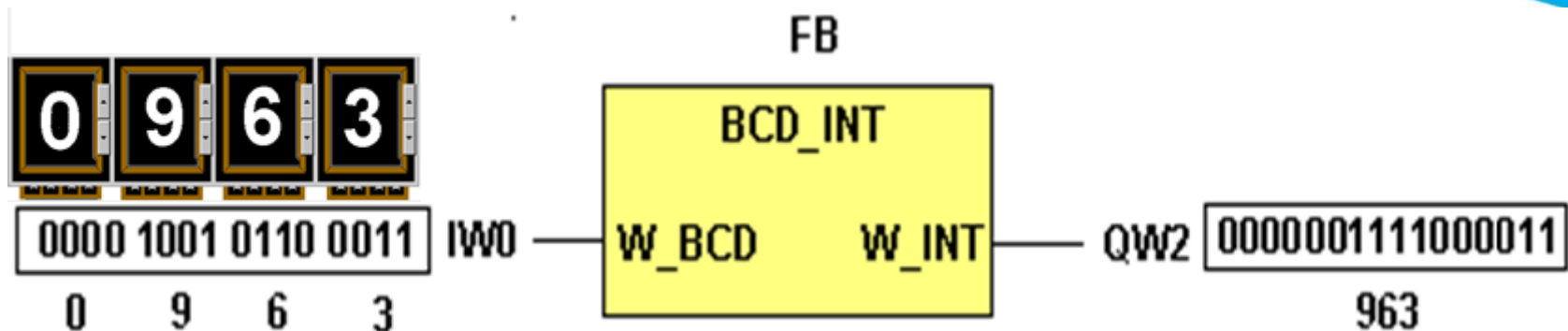
El Byte de marcas seleccionado no puede ser utilizado para almacenar datos temporalmente.

CONVERTIR VALORES EN BCD A ENTEROS

FB



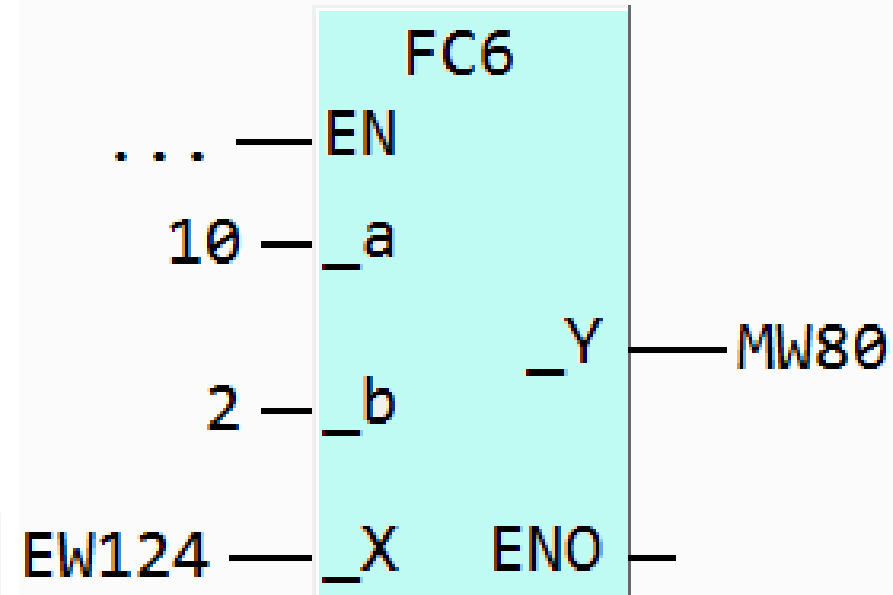
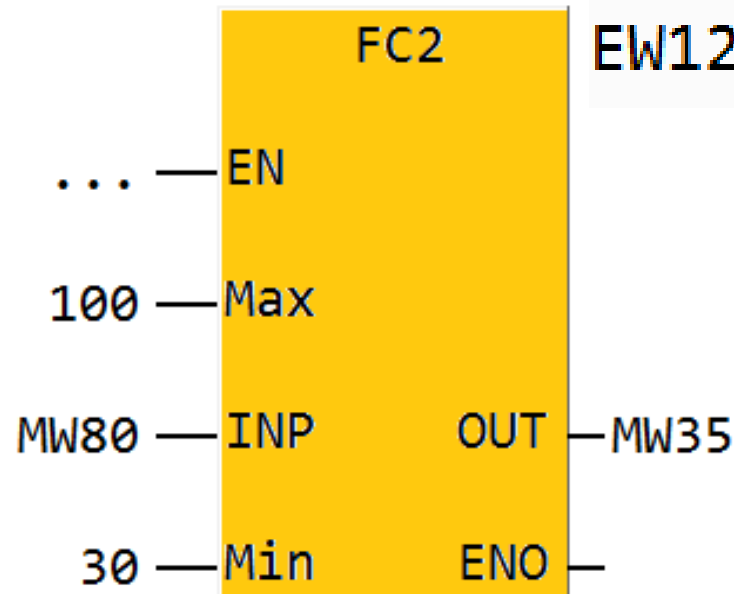
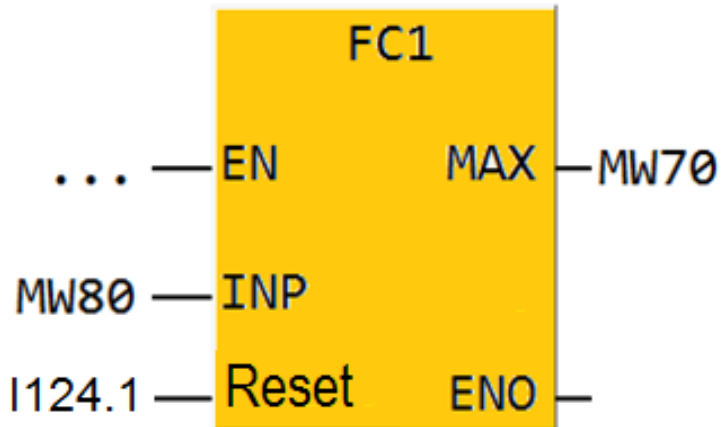
CONVERTIR VALORES EN BCD A ENTEROS



Path: PLC_I1_LAB_1\SIMATIC 300(1)\CPU 313C-2 DP

	Address	Display format	@Status value	Modify value
1	IW 124	BIN	2#0000_1001_0110_0011	
2	IW 124	DEC	2403	
3	IW 124	HEX	W#16#0963	
4	QW 124	BIN	2#0000_0011_1100_0011	
5	QW 124	DEC	963	
6	QW 124	HEX	W#16#03C3	

FUNCION



Contents Of: 'Environ...

Interface

IN

INP

Reset

OUT

MAX

Name	Data Type
INP	Int
Reset	Bool

FC1 : Title:

Network 1: Title:

#INP

#INP — IN1

#MAX

#MAX — IN2

CMP >I

#INP

#INP — IN

MOVE

EN

OUT

— #MAX

ENO

#MAX

Network 2: Title:

#Reset

#Reset — EN

0

— IN

MOVE

EN

OUT

— #MAX

ENO

#MAX

OB1 : "Main Program Sweep

Network 1: Title:

FC1

... — EN

MAX

— MW70

MW80 — INP

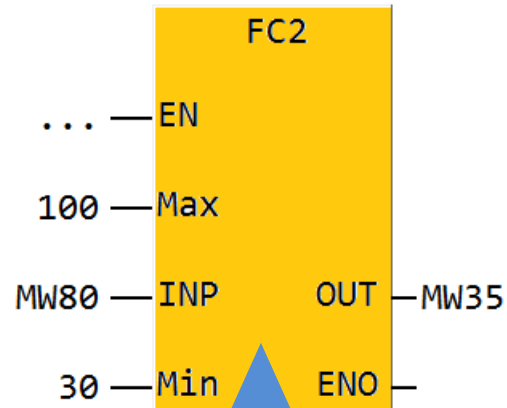
I124.1 — Reset

ENO

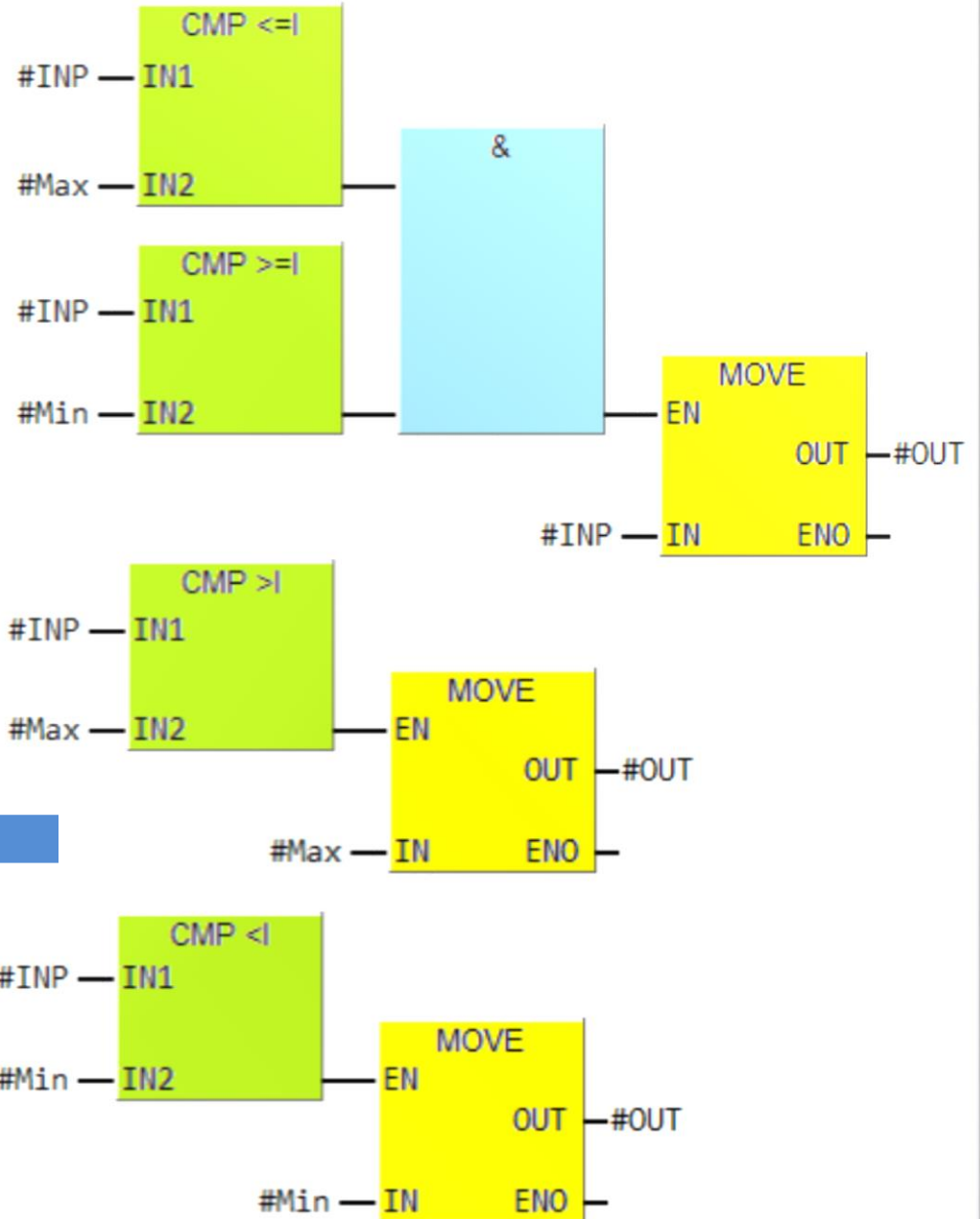
—

OB1 : "Main Program Sweep

□ **Network 1** : Title:



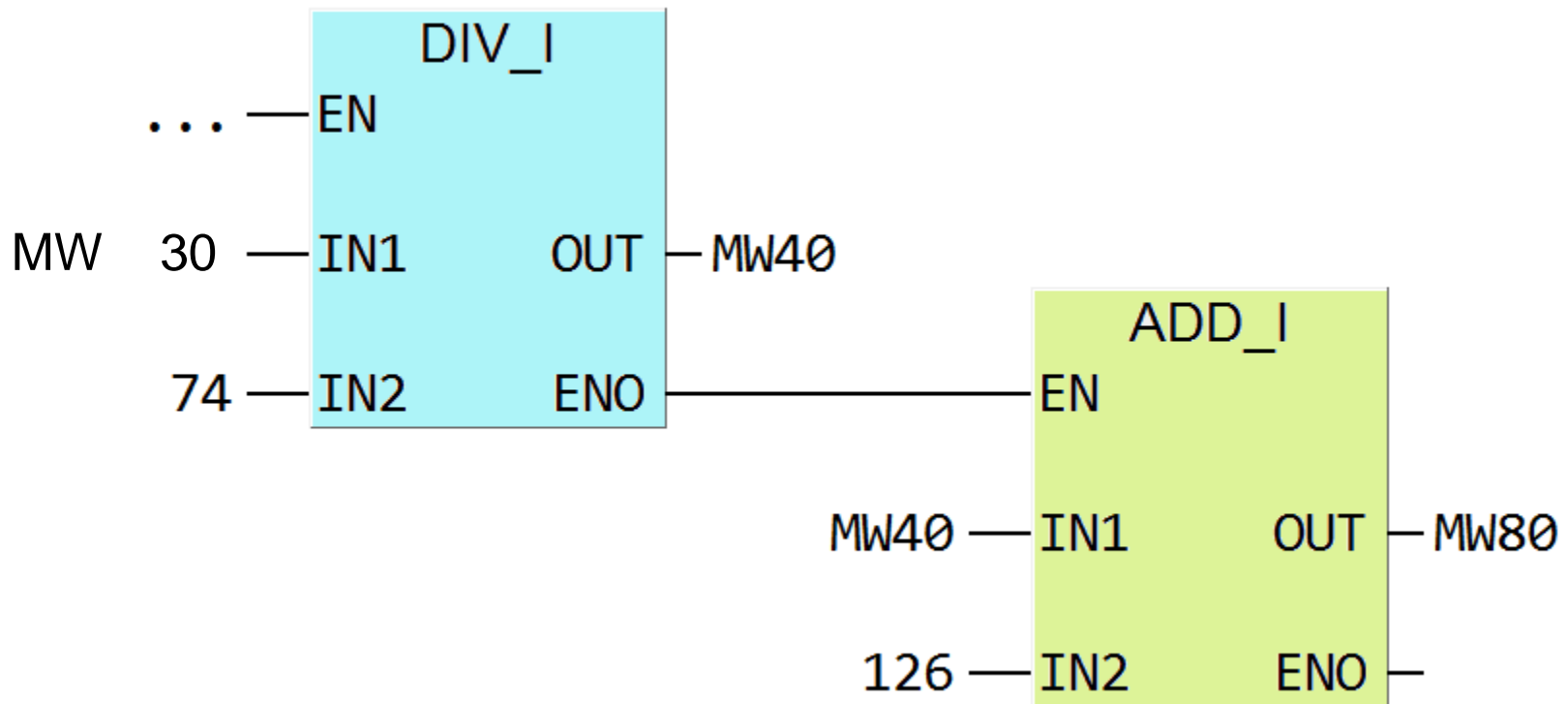
FC2 : Title:



FUNCION

Ecuación:

$$MW80 = MW30 / 74 + 126$$

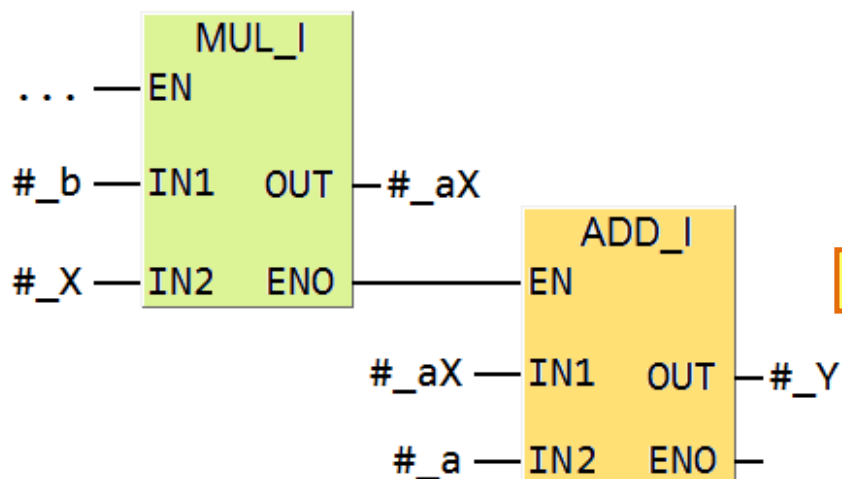


FUNCION

Interface	Nombre	Tipo	d	Coment
IN				
_a	_a	Int		
_b	_b	Int		
_X	_X	Int		
OUT				
_Y				
TEMP				
_aX				

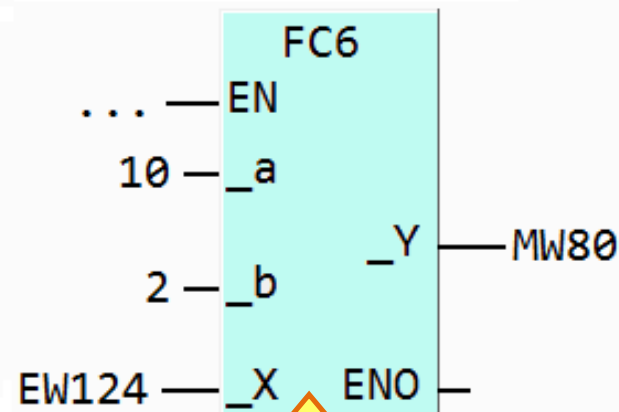
FC6 : Título:

Segm. 1: Título:



OB1:"Main Program Sweep (Cycle)"

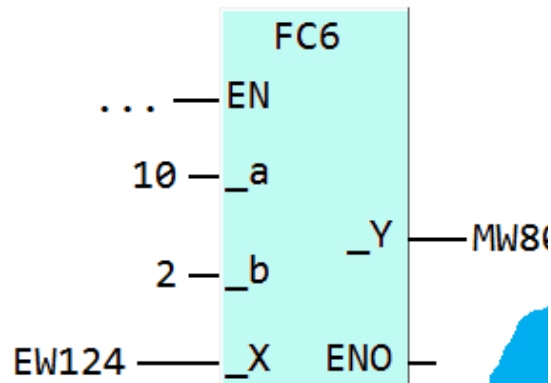
Segm. 1: Título:



Interface			
		Nombre	Tipo d
		Coment	
IN		_a	Int
		_b	Int
		_X	Int

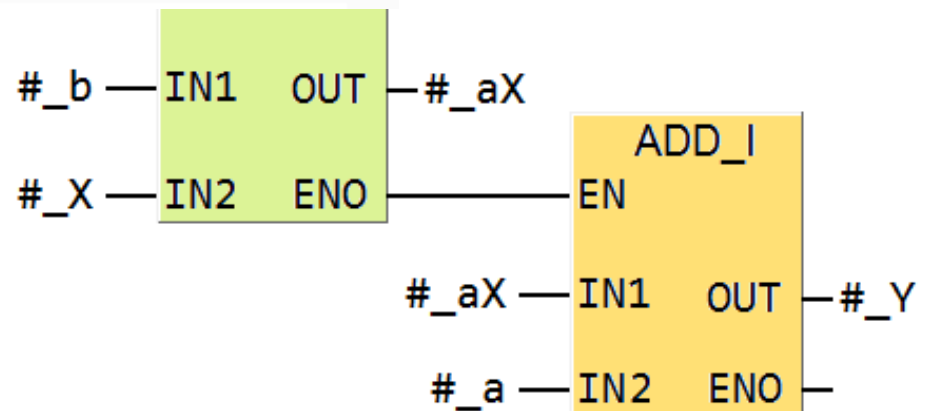
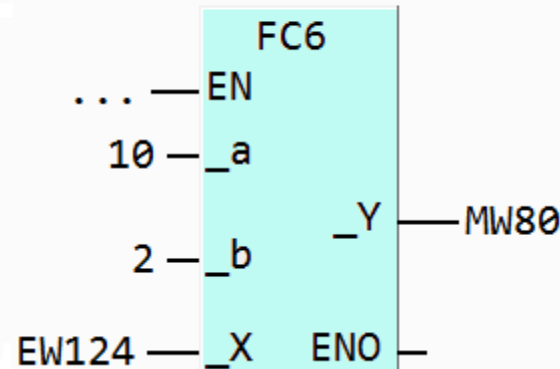
OB1:"Main Program Sweep (Cycle)"

Segm. 1: Título:

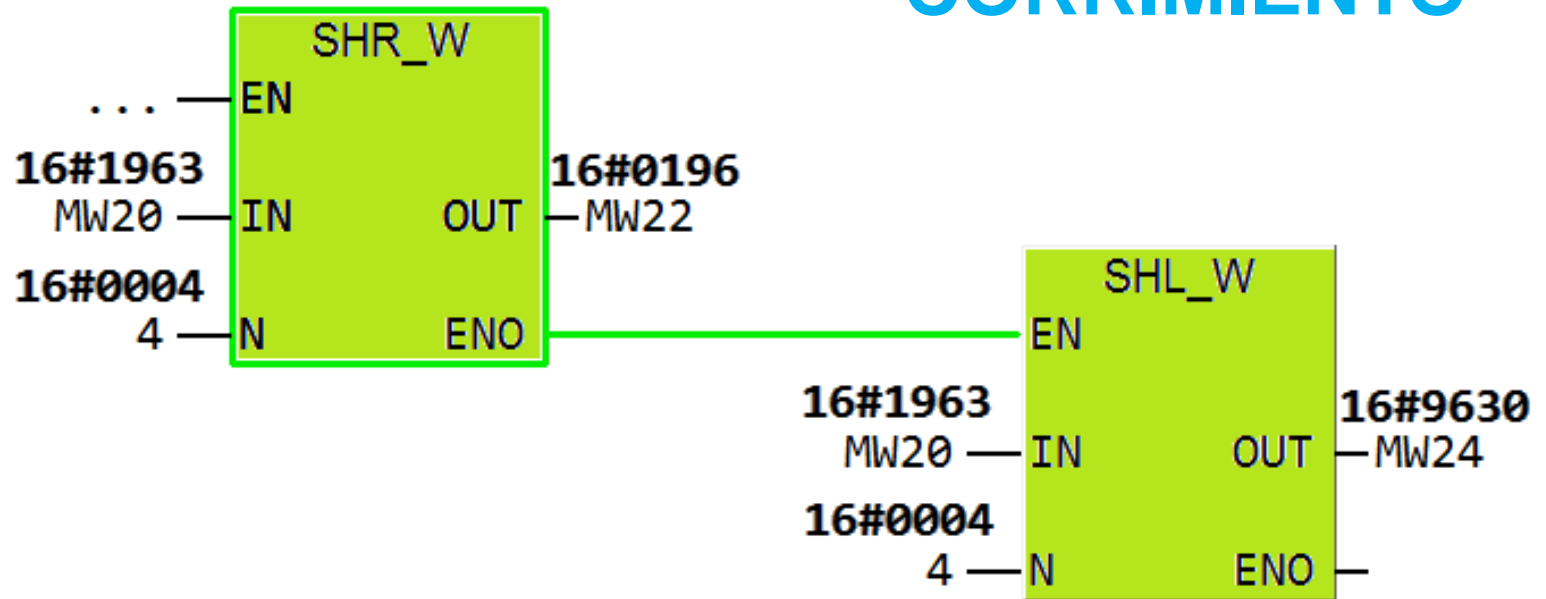


OB1:"Main Program Sweep (Cycle)"

Segm. 1: Título:



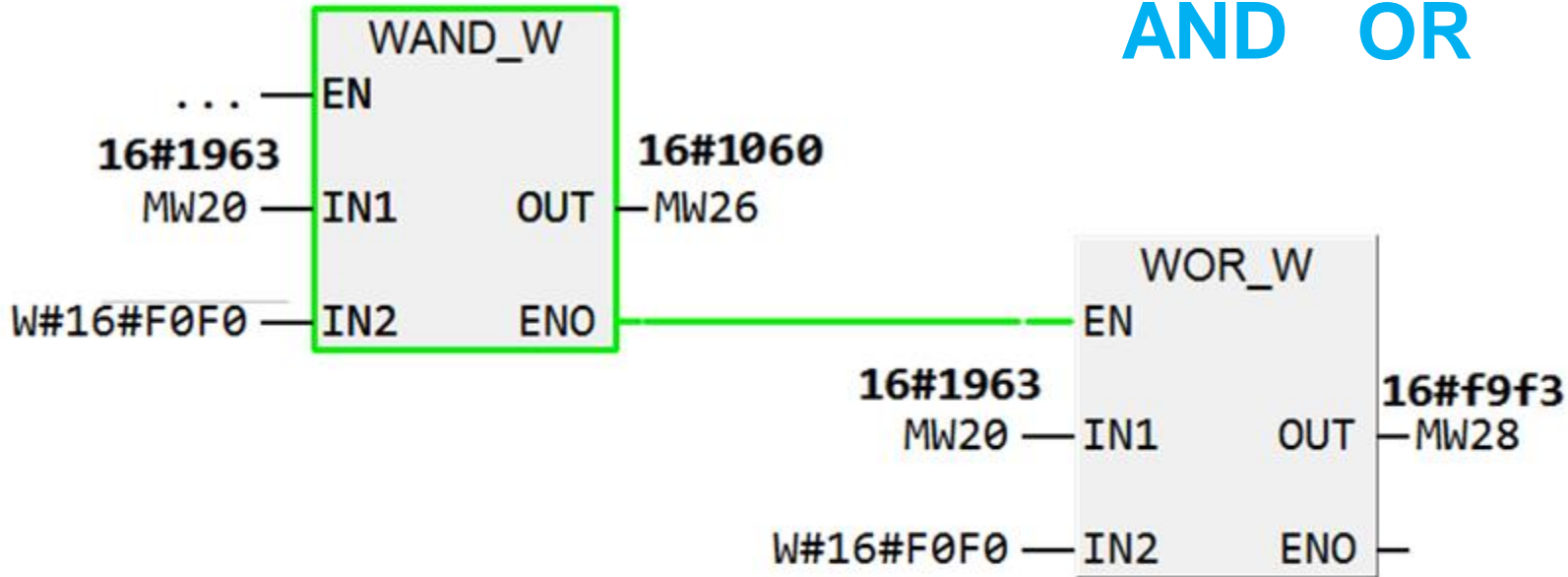
CORRIMIENTO



Path: PLC_IJ_LAB_1\SIMATIC 300(1)\CPU 313C-2 DP

	Address	Display format	@Status value	Modify value
1	MW 20	BIN	2#0001_1001_0110_0011	2#0001_1001_0110_0011
2	MW 22	BIN	2#0000_0001_1001_0110	
3	MW 24	BIN	2#1001_0110_0011_0000	
4	MW 20	HEX	W#16#1963	
5	MW 22	HEX	W#16#0196	
6	MW 24	HEX	W#16#9630	
7				

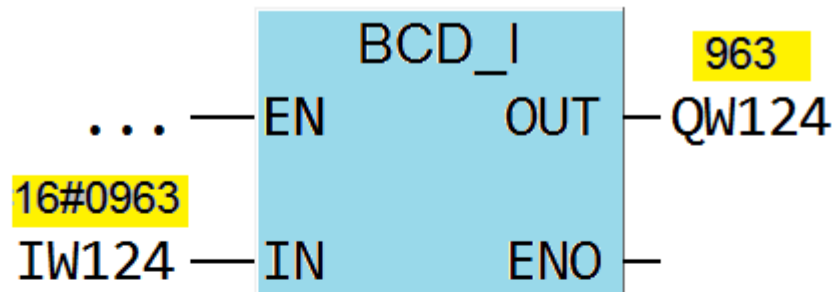
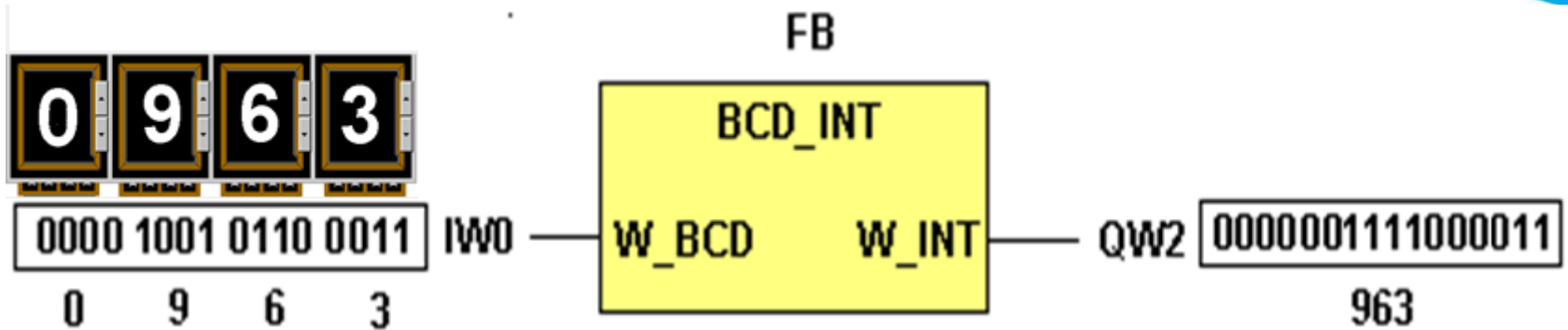
AND OR



Path: PLC_II_LAB_1\SIMATIC 300(1)\CPU 313C-2 DP

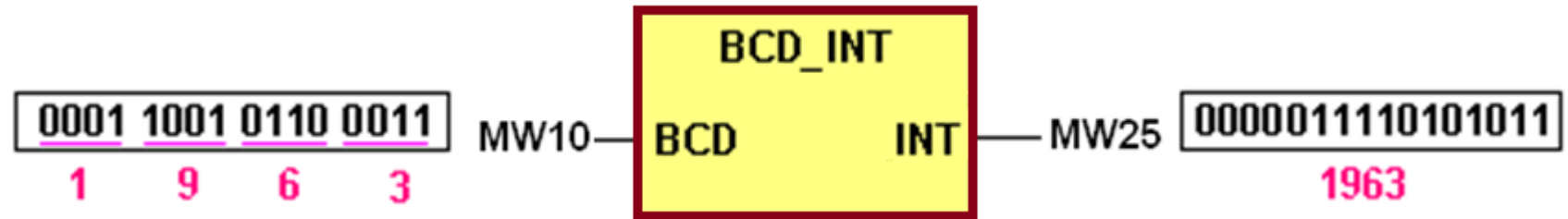
	Address	Display format	@Status value	Modify value
1	MW 20	BIN	2#0001_1001_0110_0011	2#0001_1001_0110_0011
2	MW 26	BIN	2#0001_0000_0110_0000	
3	MW 28	BIN	2#1111_1001_1111_0011	
4	MW 20	HEX	W#16#1963	
5	MW 26	HEX	W#16#1060	
6	MW 28	HEX	W#16#F9F3	
7				

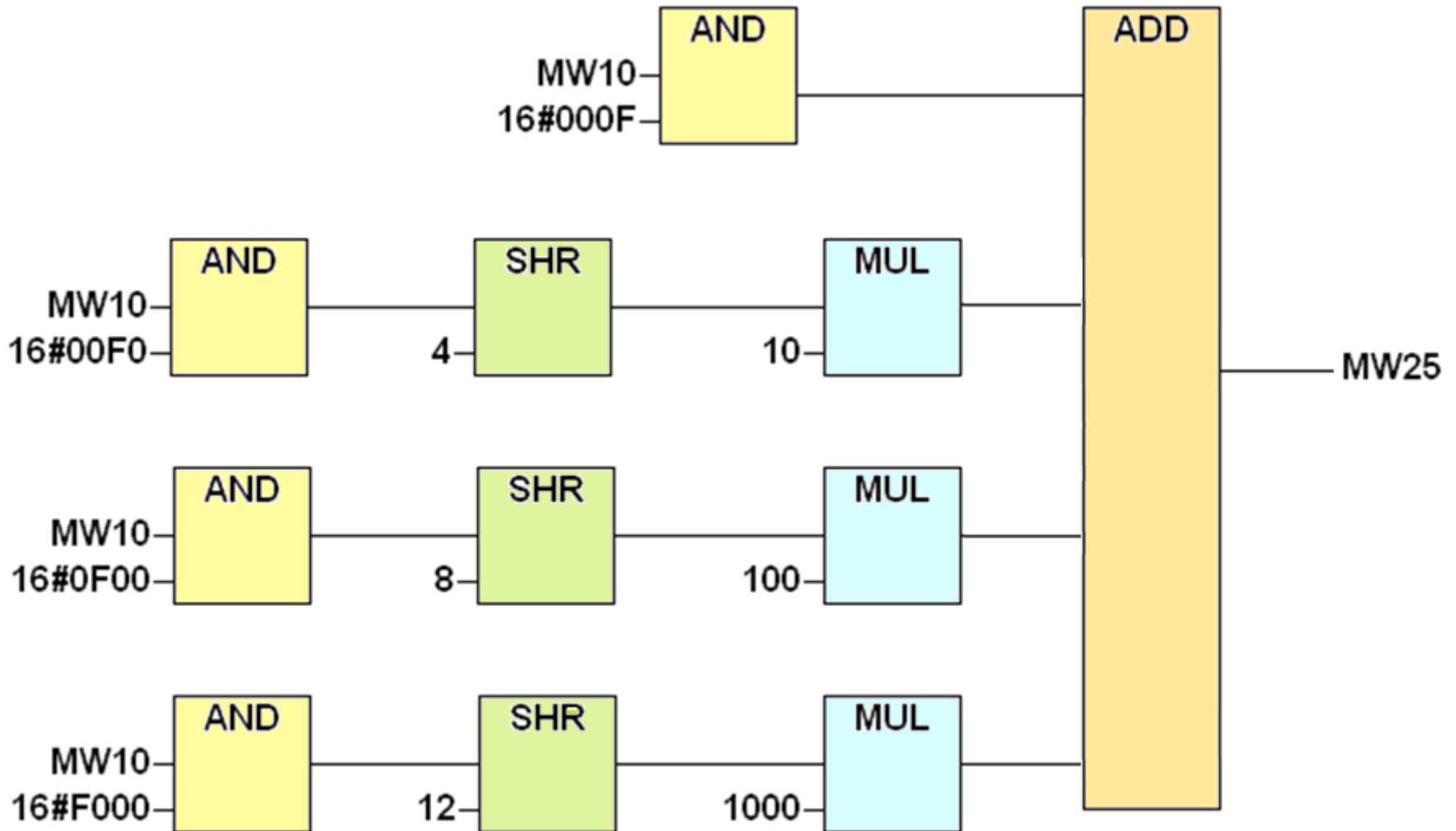
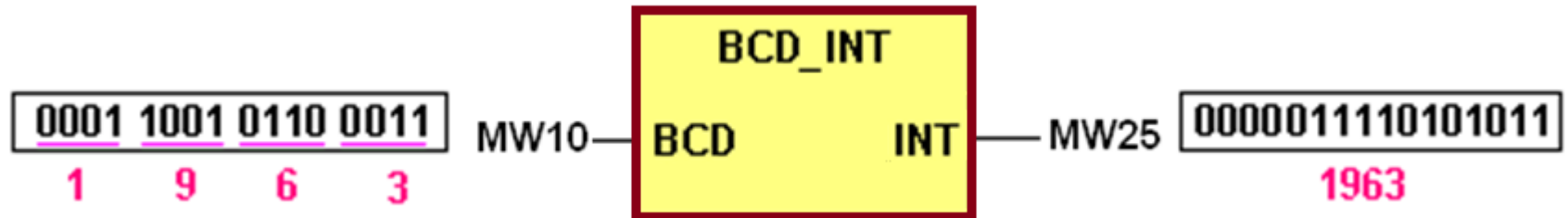
CONVERTIR VALORES EN BCD A VALORES

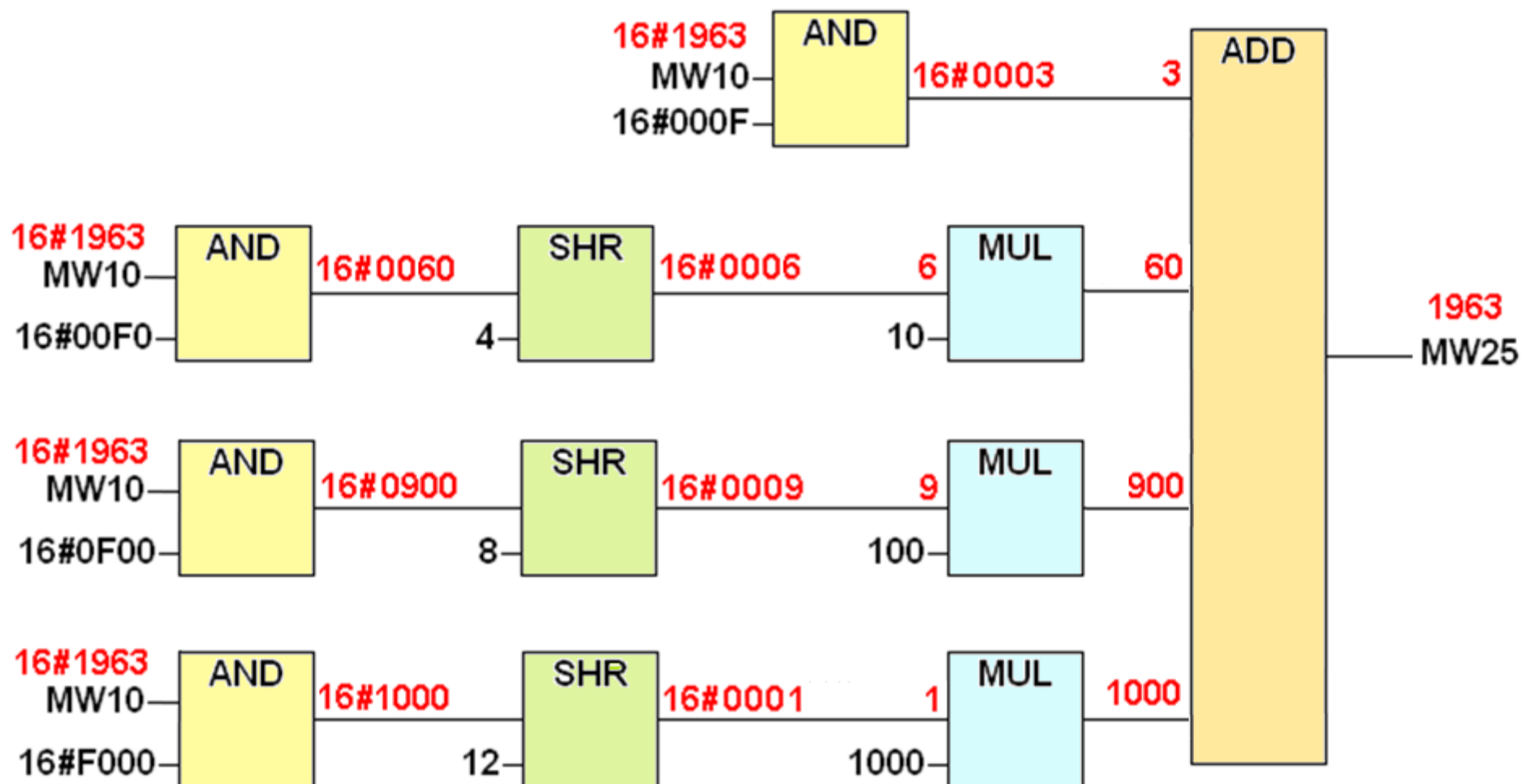
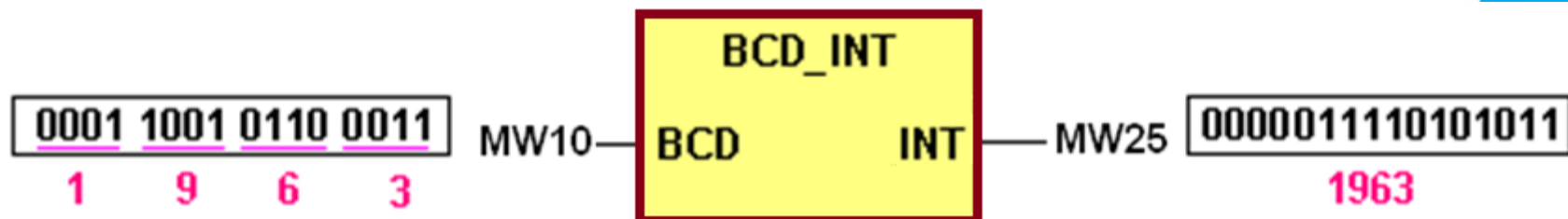


Path: PLC_II_LAB_1\SIMATIC 300(1)\CPU 313C-2 DP

	Address	Display format	@Status value	Modify value
1	IW 124	BIN	2#0000_1001_0110_0011	
2	IW 124	DEC	2403	
3	IW 124	HEX	W#16#0963	
4	QW 124	BIN	2#0000_0011_1100_0011	
5	QW 124	DEC	963	
6	QW 124	HEX	W#16#03C3	



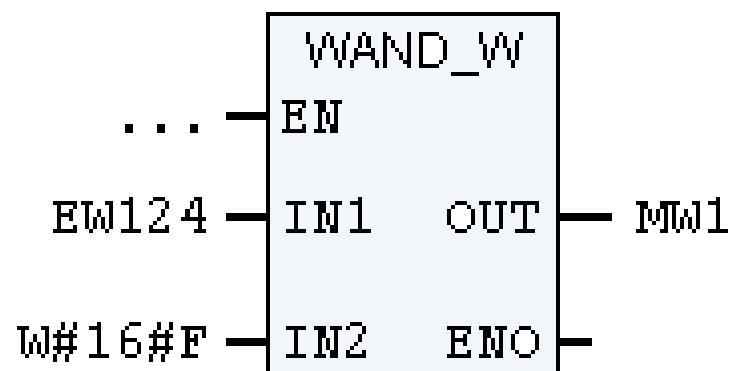




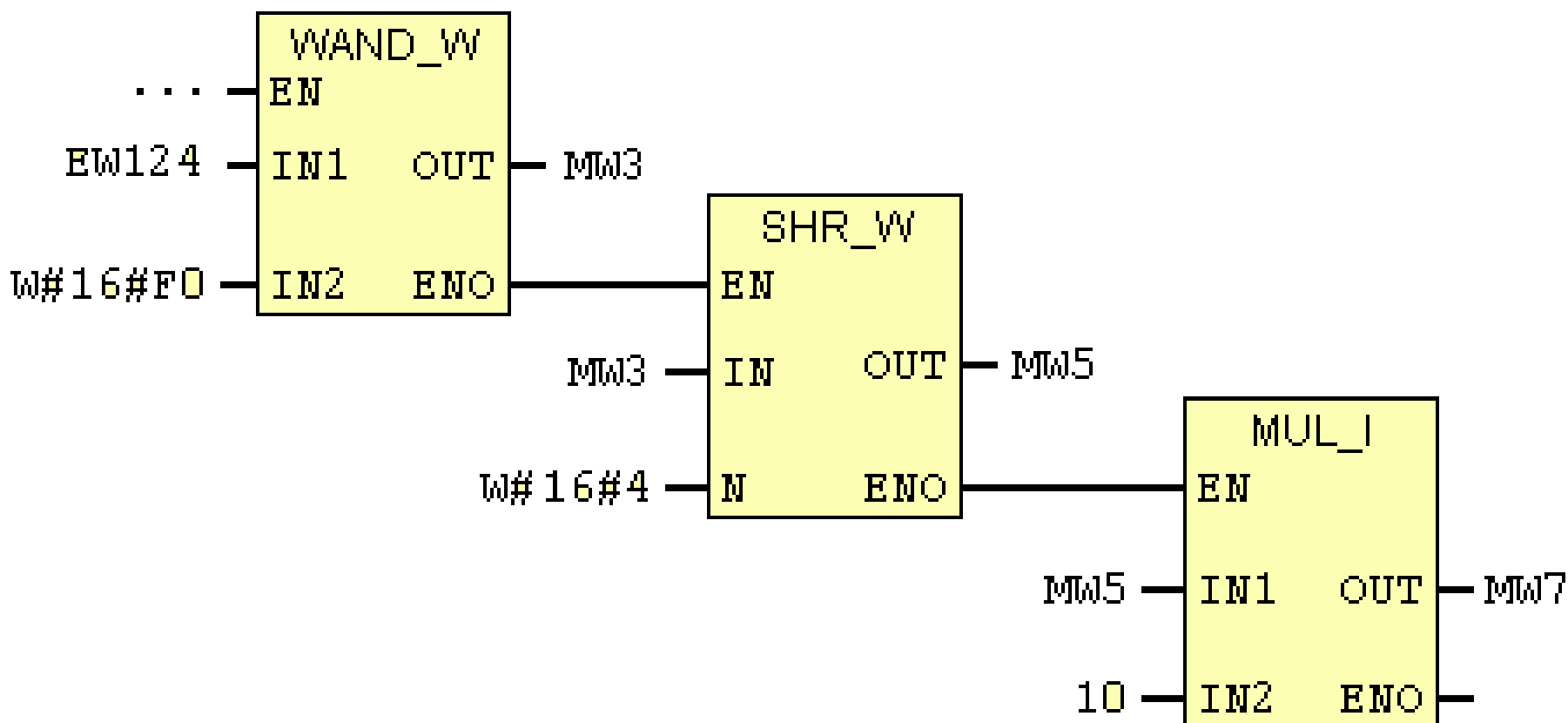
OB1 : "Main Program Sweep (Cycle)"



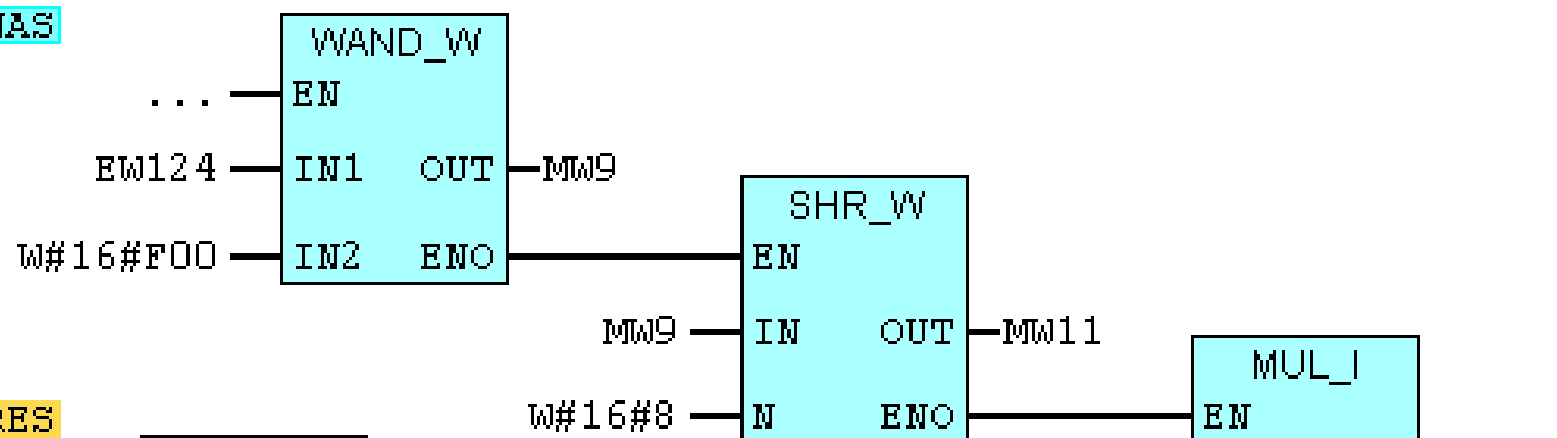
Segm.1: UNIDADES



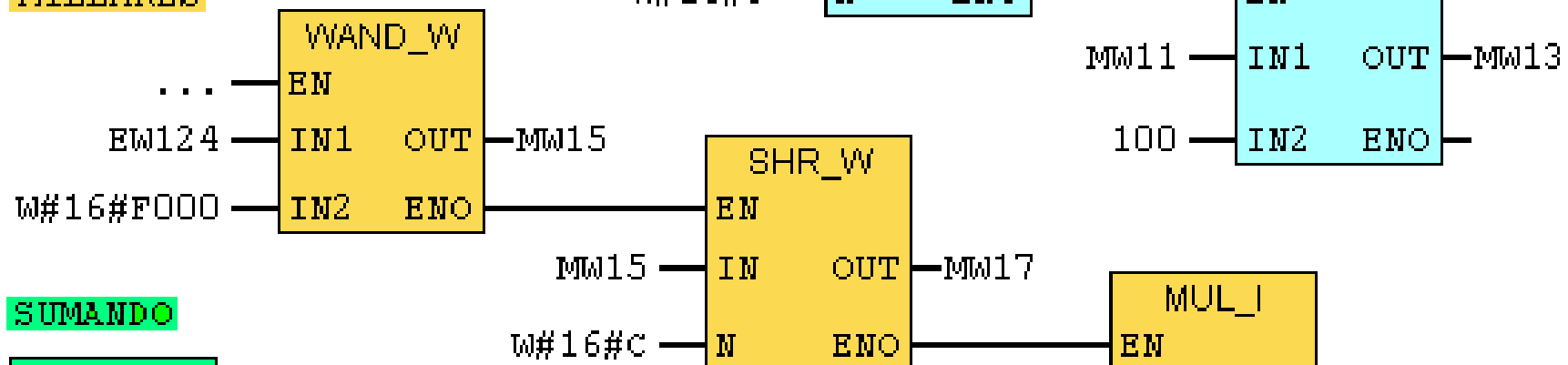
Segm.2: DECENAS



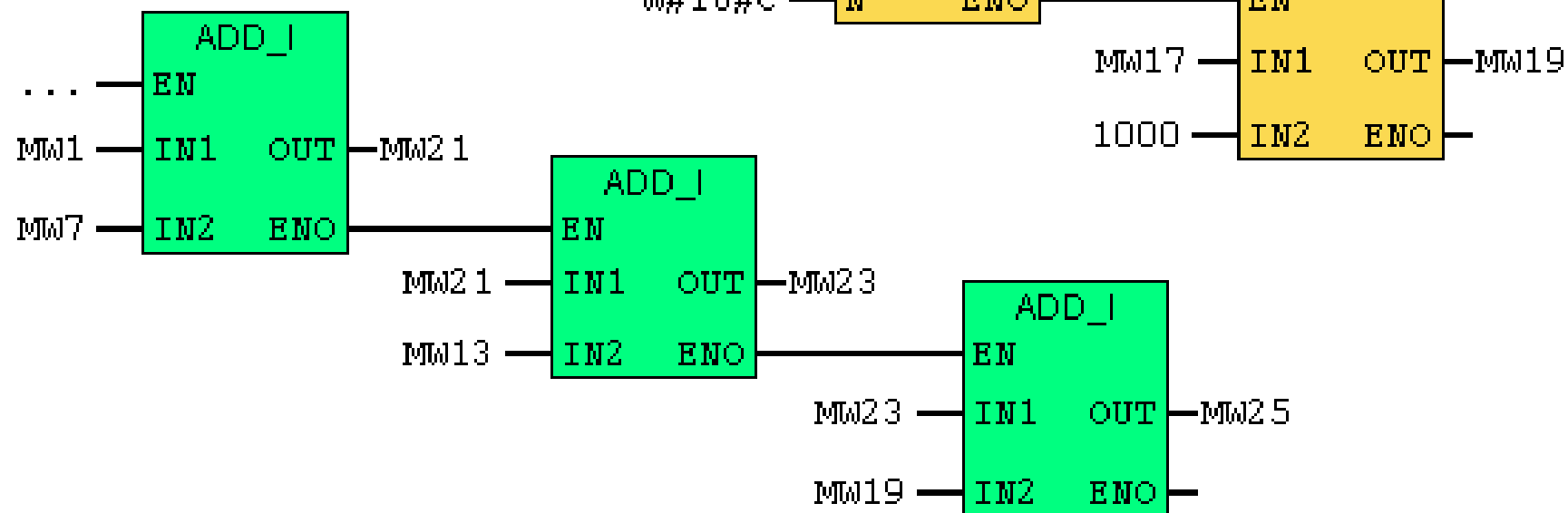
Segm. 3 : CENTENAS



Segm. 4 : MILLARES



Segm. 5 : SUMANDO



OB1

FC1

0001 1001 0110 0011
1 9 6 3

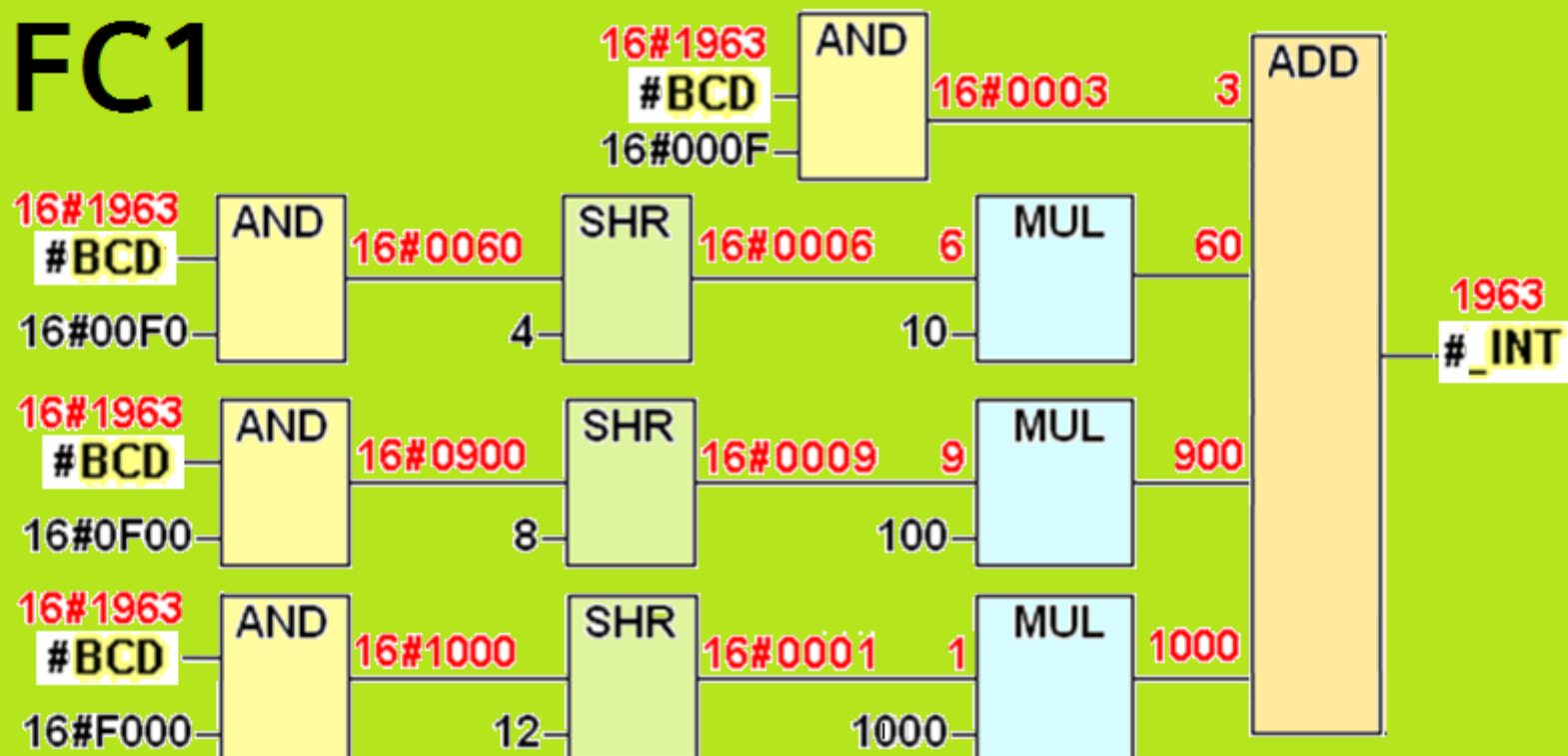
MW10



MW25

0000011110101011
1963

FC1



INT_BCD

0000011110101011

1963

MW5

INT

BCD

MW50

0001 1001 0110 0011

1

9

6

3

DIV

MW5
1000

MW10

SHL

12

OR

MW50

SUB

MW5

MW12

DIV

100

MW20

SHL

8

MUL

1000

MUL

MW20

100

SUB

MW12

MW14

DIV

10