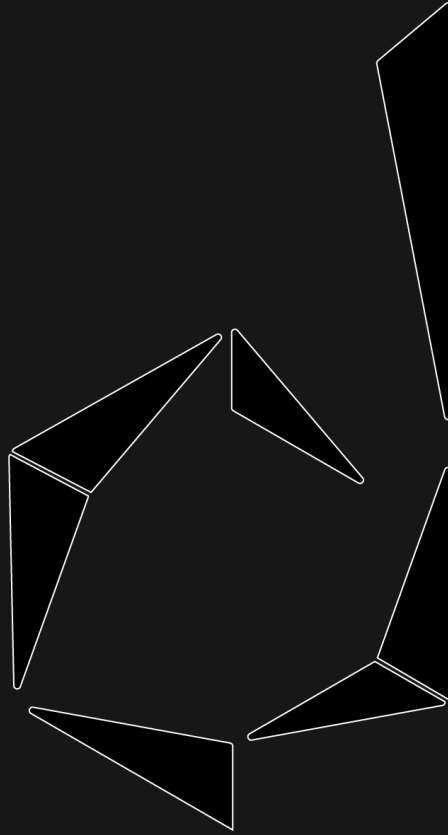


INGENIERÍA MECATRÓNICA



DI_CERO

DIEGO CERVANTES RODRÍGUEZ

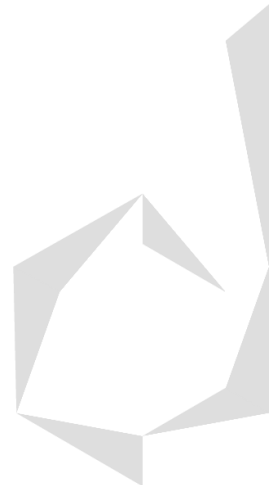
AUTOMATIZACIÓN INDUSTRIAL: PRÁCTICA

ISP SOFT Y COMMGR

4: Marcas Internas PLC

Contenido

Desarrollo:.....	2
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Desarrollo:

1. Escoger un ejercicio de índole lógico-combinatorio y desarrollarlo usando marcas internas.

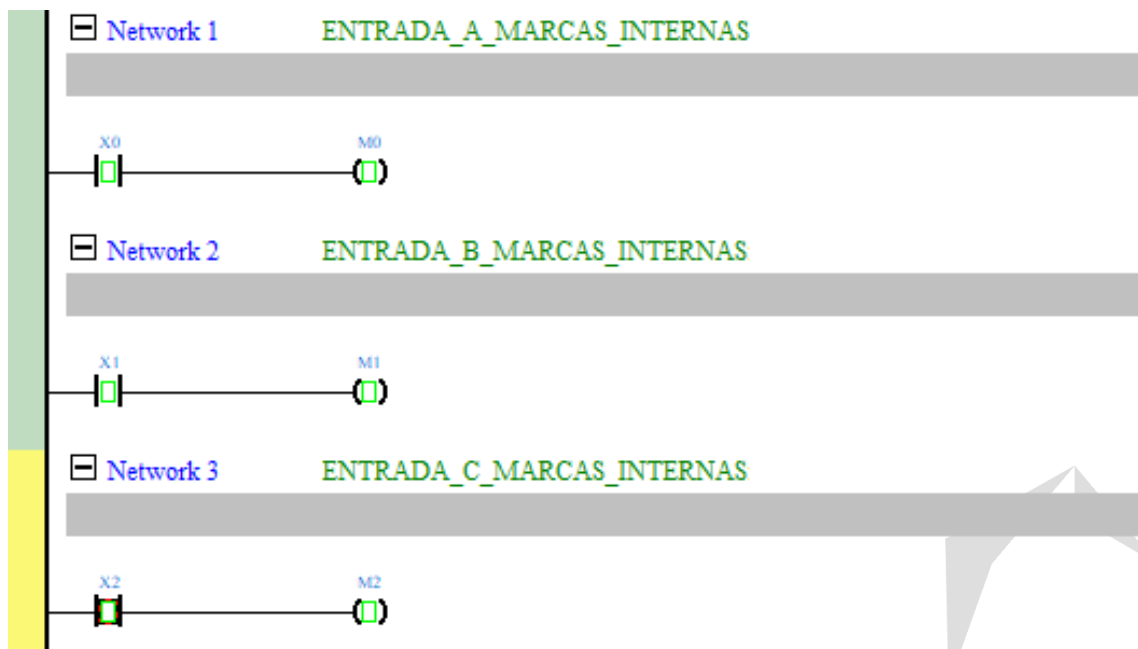
Se desarrollará la compuerta XOR haciendo uso de las marcas internas M0, M1 y M2.

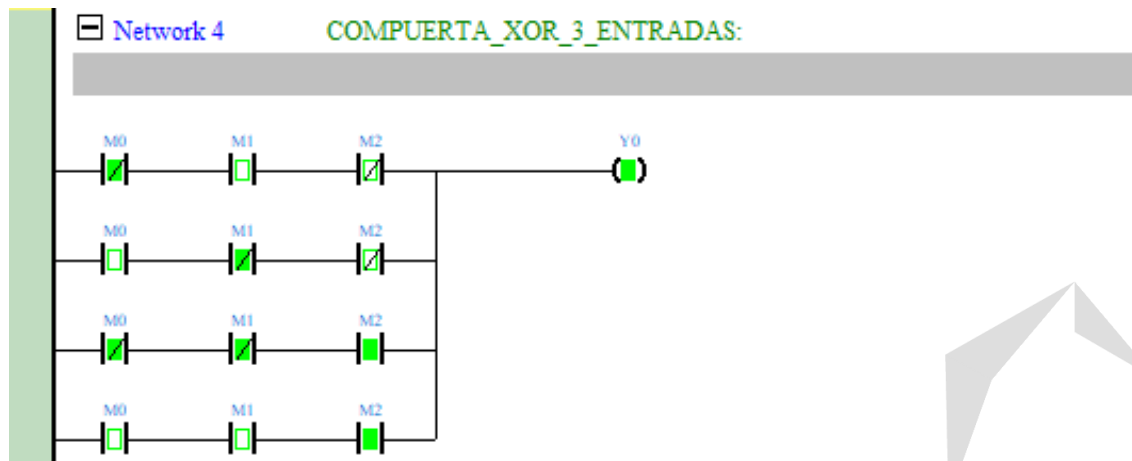
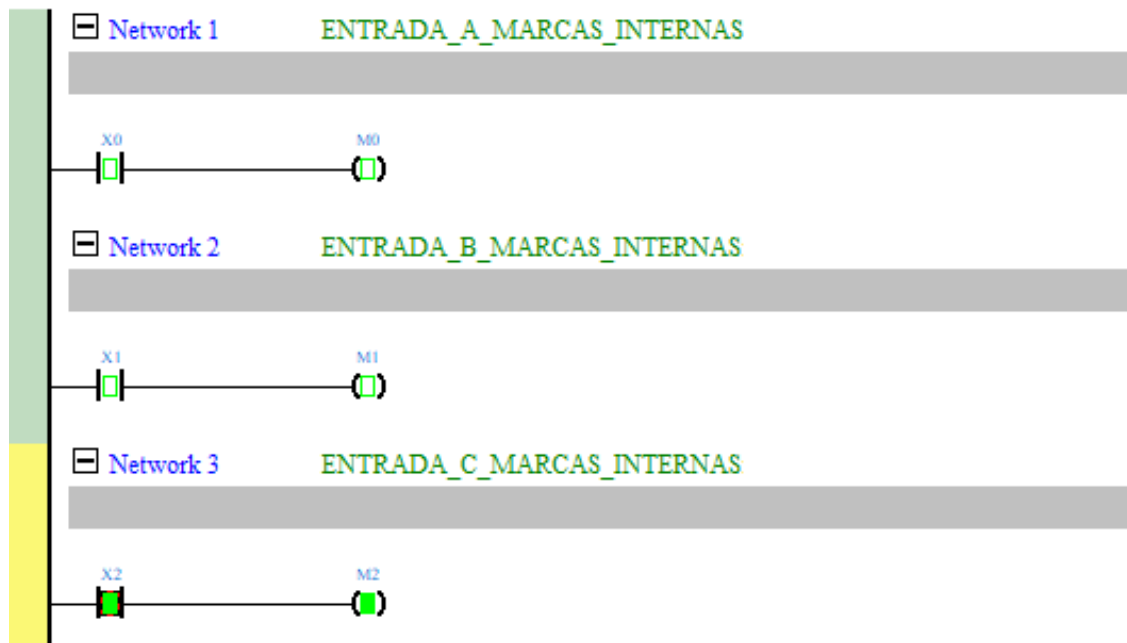
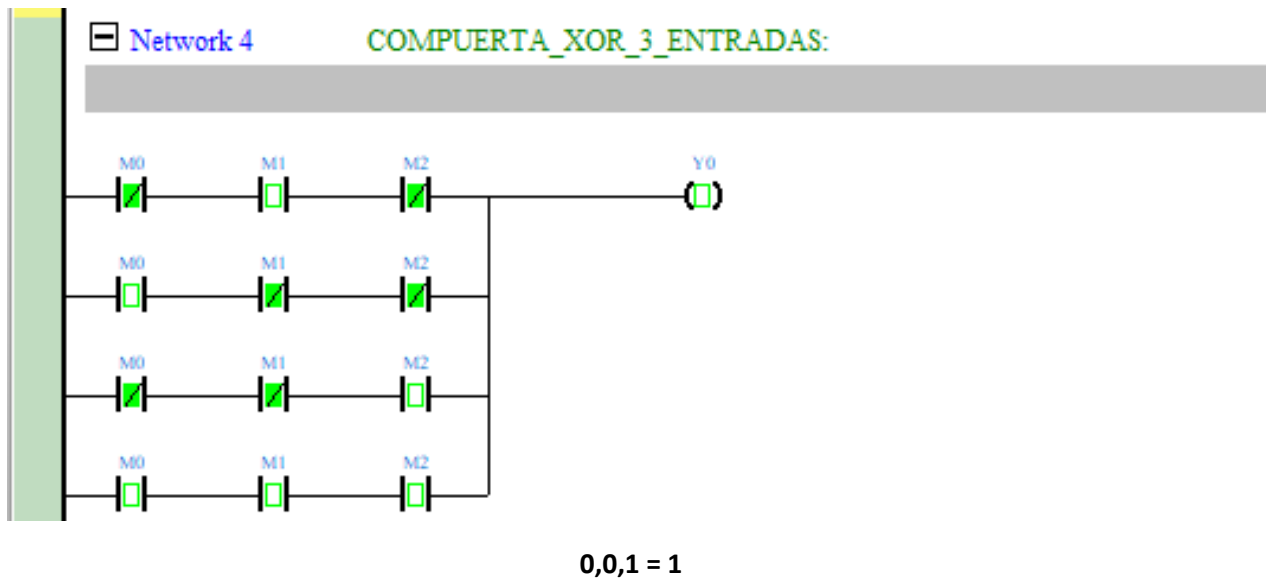
$$F = \bar{C}(\bar{A}B + A\bar{B}) + C(\bar{A}\bar{B} + AB)$$

A	B	C	F
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	1

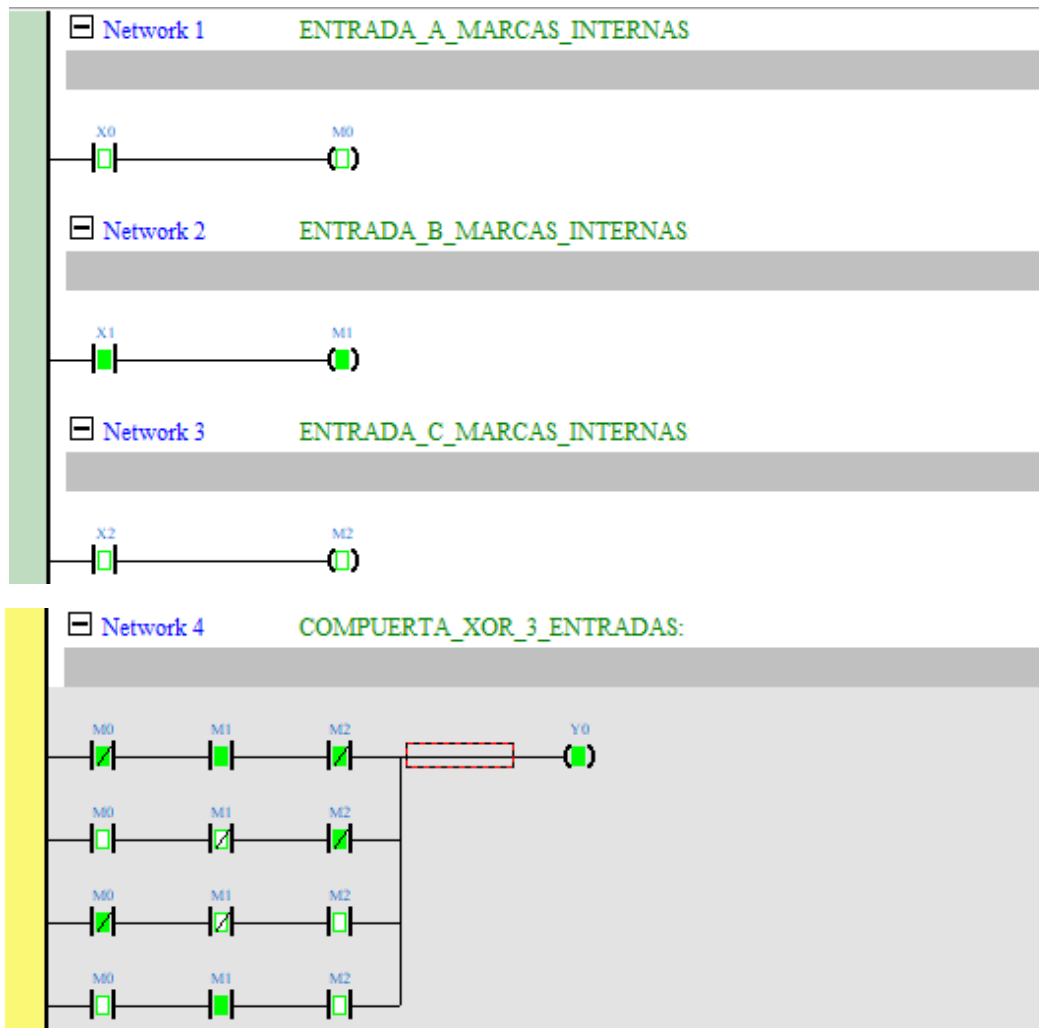


0,0,0 = 0

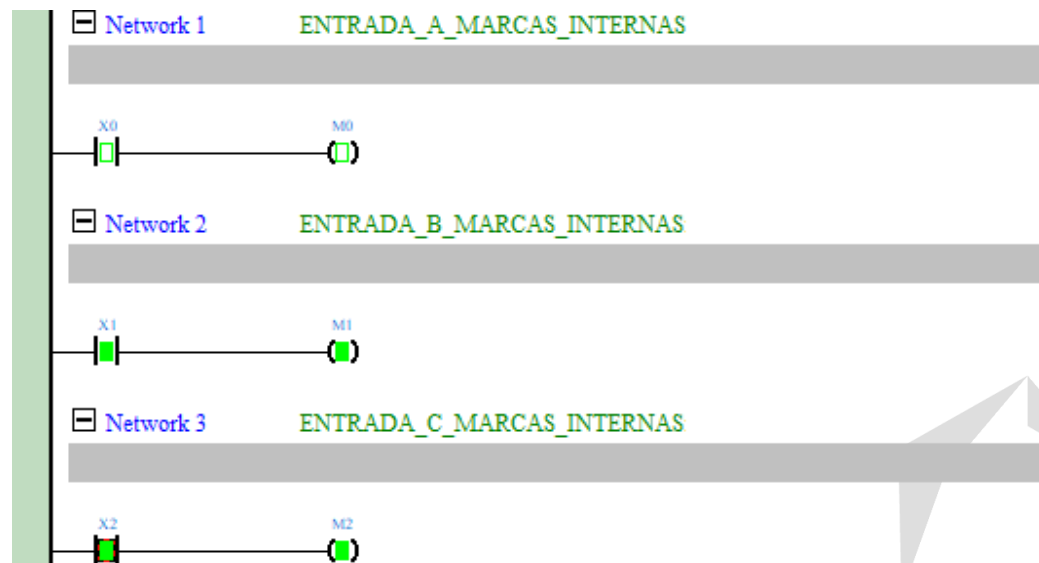


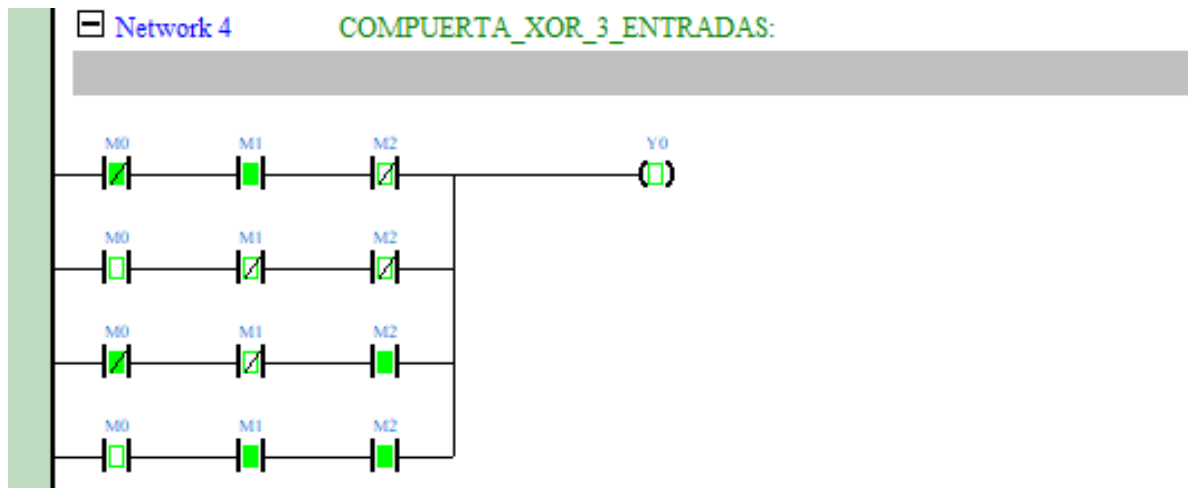


0,1,0 = 1

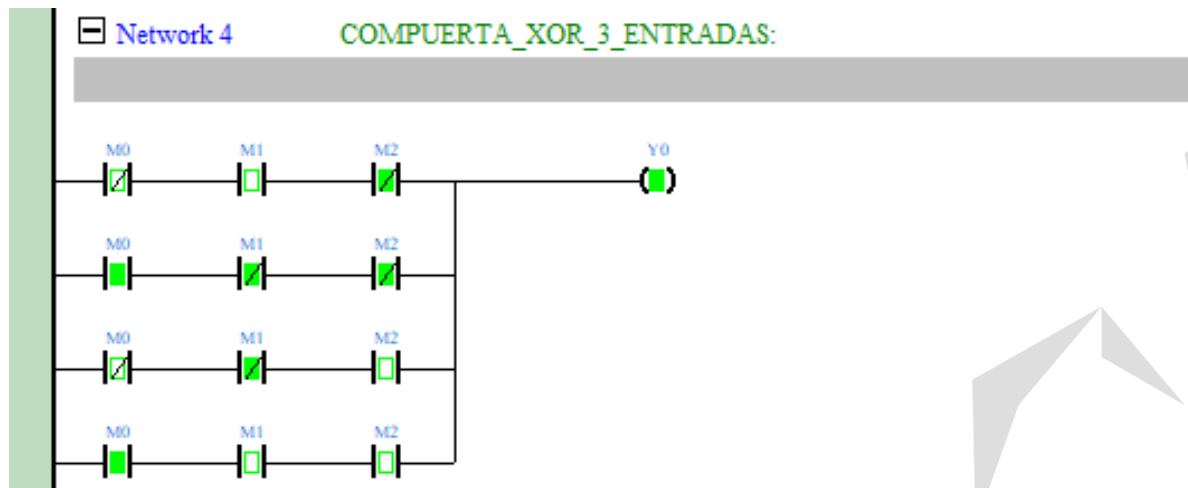
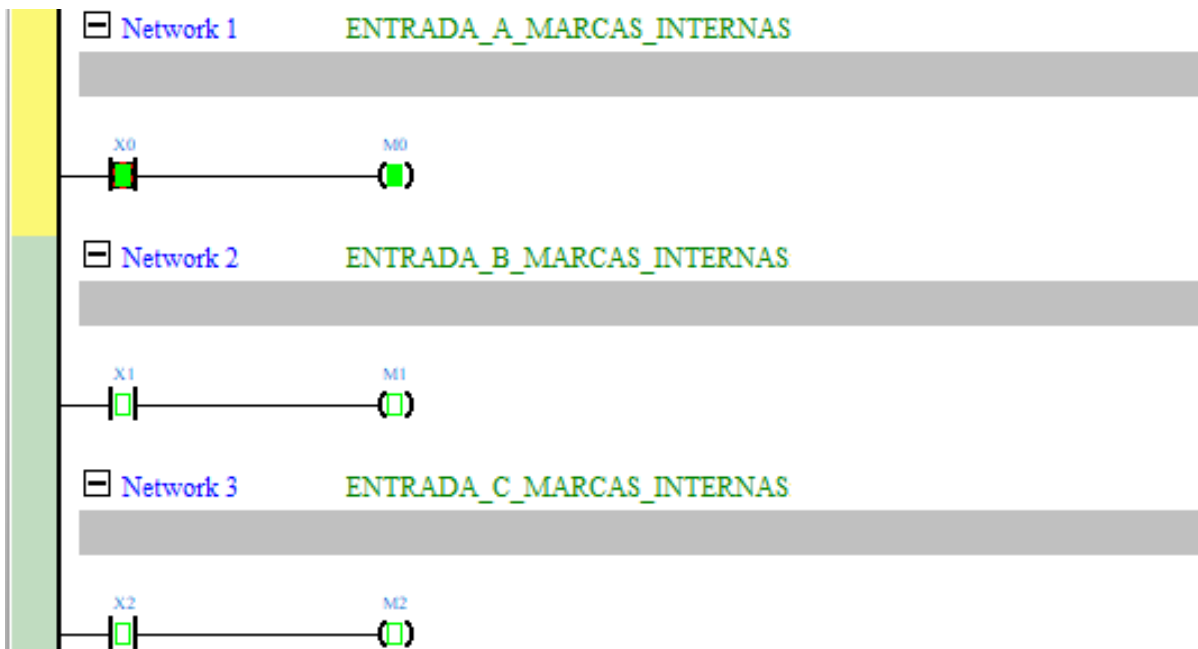


0,1,1 = 0

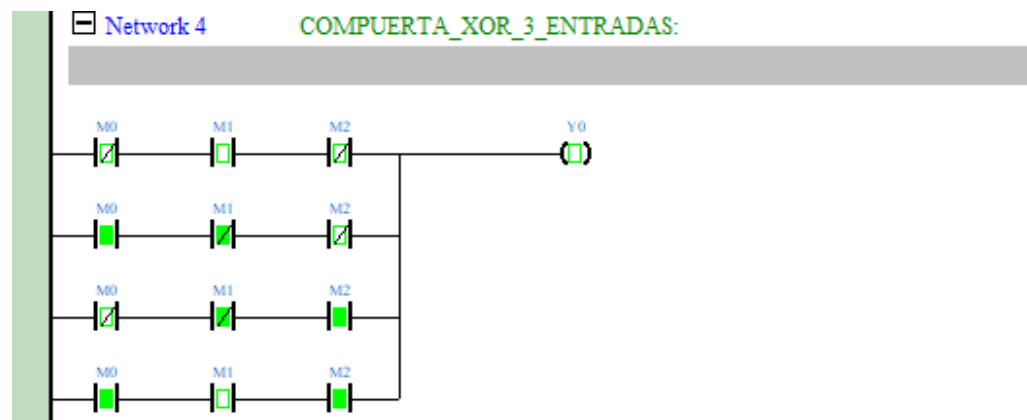
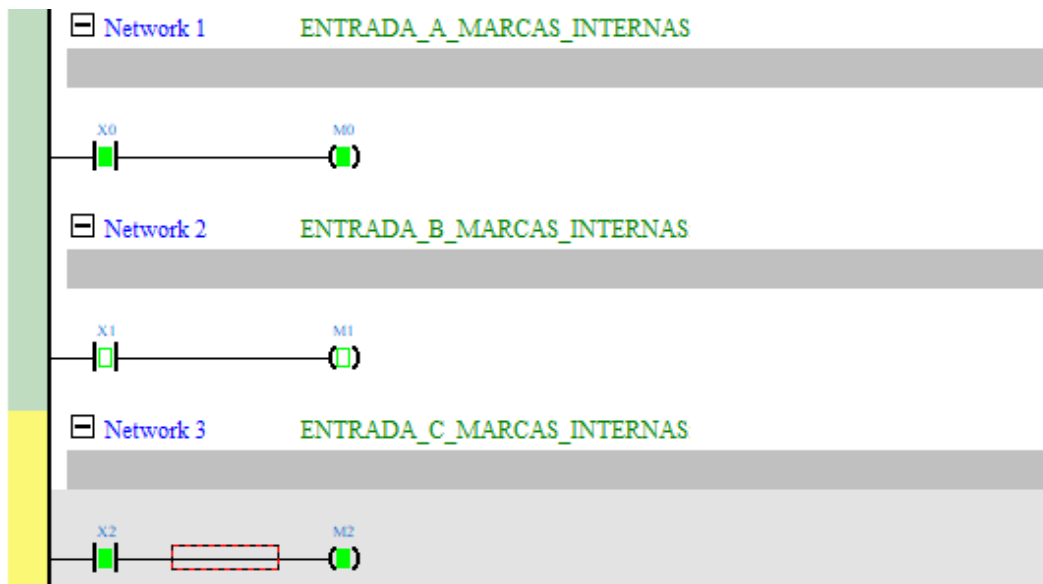




1,0,0 = 1



$$1,0,1 = 0$$



$$1,1,0 = 0$$

