

Task / PLC_1 [CPU 314C-2 PN/DP] / Program blocks

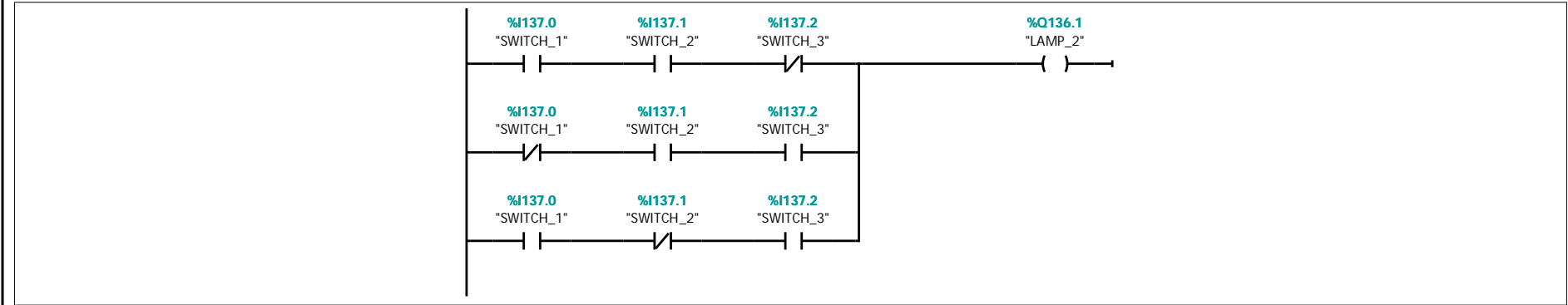
Main [OB1]

Main Properties							
General							
Name	Main	Number	1	Type	OB	Language	LAD
Numbering	automatic						
Information							
Title	"Main Program Sweep (Cycle)"	Author		Comment		Family	
Version	0.1	User-defined ID					

Main				
Name	Data type	Offset	Default value	Comment
▼ Temp				
OB1_EV_CLASS	Byte	0.0		Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0		1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0		Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0		1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0		Reserved for system
OB1_RESERVED_2	Byte	5.0		Reserved for system
OB1_PREV_CYCLE	Int	6.0		Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0		Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0		Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0		Date and time OB1 started
Constant				

Network 2:

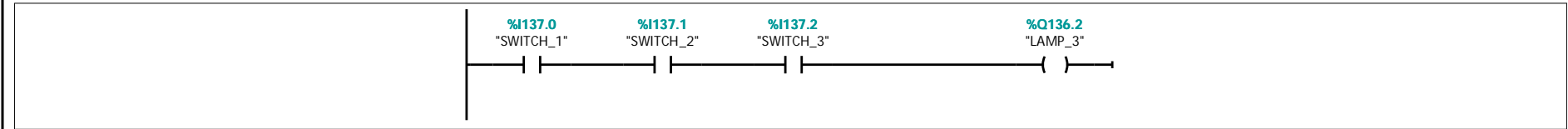
3.If any 2 switches among S1,S2 and S3 are “ON”, then lamp L2 must glow.(L1 & L3 must be OFF)



Symbol	Address	Type	Comment
"LAMP_2"	%Q136.1	Bool	
"SWITCH_1"	%I137.0	Bool	
"SWITCH_2"	%I137.1	Bool	
"SWITCH_3"	%I137.2	Bool	

Network 3:

4.If all three switches are “ON”, then lamp L3 must glow.(L1 & L2 must be OFF)

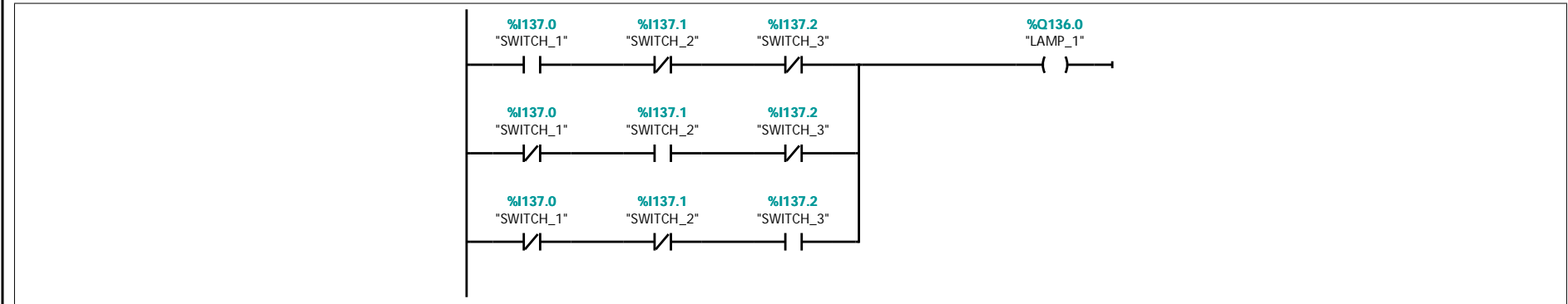


Symbol	Address	Type	Comment
"LAMP_3"	%Q136.2	Bool	
"SWITCH_1"	%I137.0	Bool	
"SWITCH_2"	%I137.1	Bool	
"SWITCH_3"	%I137.2	Bool	

Network 1:

Task 8: Use of logic gates

- 1.There are three switches S1, S2 and S3, and, there are three lamps L1, L2 and L3.
- 2.If any of switch S1,S2 and S3 is “ON”, then lamp L1 must glow.(L2 & L3 must be “OFF”)



Symbol	Address	Type	Comment
"LAMP_1"	%Q136.0	Bool	
"SWITCH_1"	%I137.0	Bool	

