

## IA\_Project / PLC\_1 [CPU 1511-1 PN] / Program blocks / 00 system manager

## system\_manager [FB6]

## system\_manager Properties

## General

Name	system_manager	Number	6	Type	FB
Language	LAD	Numbering	Automatic		

## Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

## system\_manager

Name	Data type	Default value
Input		
Output		
InOut		
▼ Static		
halt_sorting_line	Bool	false
green_assembling	Bool	false
blue_assembling	Bool	false
storing	Bool	false
tank_HA	Bool	false
tank_LA	Bool	false
stored_boxes_count	Int	0
M1	Bool	false
M2	Bool	false
zero_byte	Byte	16#0
garbage	Int	0
green_raw_count	Int	0
blue_raw_count	Int	0
gray_raw_count	Int	0
green_base_count	Int	0
green_lid_count	Int	0
green_base_lid_count	Int	0
green_raw_in_process	Int	0
blue_base_count	Int	0
blue_lid_count	Int	0
blue_base_lid_count	Int	0
blue_raw_in_process	Int	0
green_box_count	Int	0
green_in_box_count	Int	0
blue_box_count	Int	0
blue_in_box_count	Int	0
tank_manual_mode	Bool	false
tank_manual_level	Real	0.0
tank_SP	Real	50.0
tank_out_valve	Real	50.0
tank_level	Real	0.0
tank_out_flow	Real	0.0
tank_startup_mode	Bool	false

Totally Integrated Automation Portal		
Name	Data type	Default value
blue_base_CNC_on	Bool	false
blue_lid_CNC_on	Bool	false
green_base_CNC_on	Bool	false
green_lid_CNC_on	Bool	false
blue_boxing	Bool	false
green_boxing	Bool	false
green_assembly_count	Int	0
blue_assembly_count	Int	0
RST	Bool	false
RST_button	Bool	false
pause_button	Bool	false
run_button	Bool	false
False	Bool	false
time_scale	Real	0.0
Temp		
Constant		

Network 1:

%I0.0  
"Factory\_IO\_running"

#RST

Network 2:

#RST\_button

%Q5.4  
"Factory\_IO\_RST"

Network 3:

#pause\_button

%Q5.3  
"Factory\_IO\_Pause"

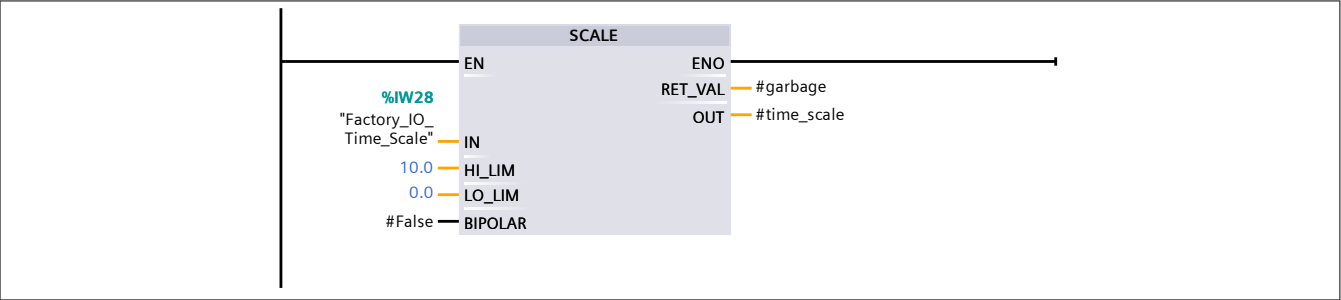
Network 4:

#run\_button

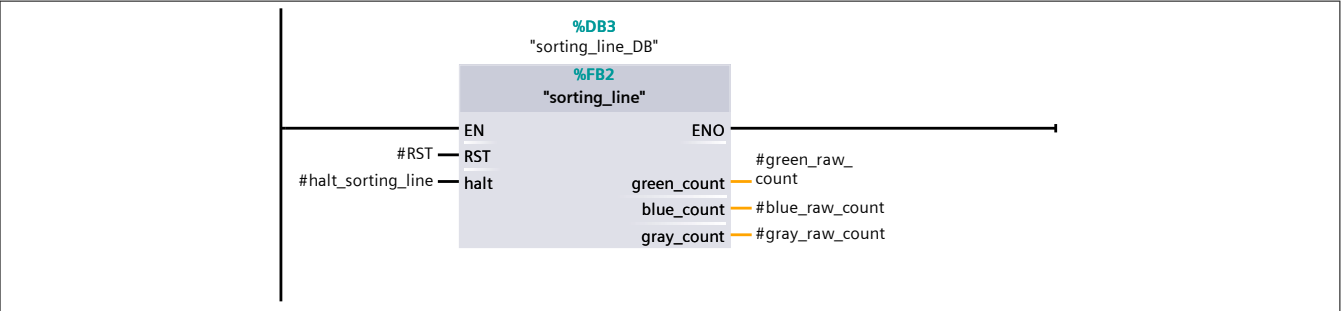
%Q5.5  
"Factory\_IO\_Run"

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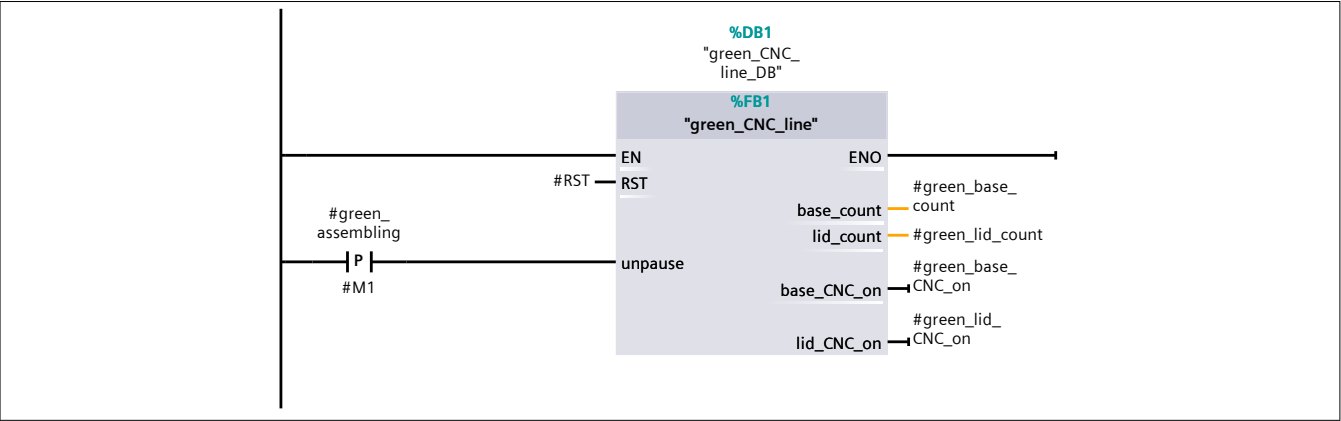
Network 5:



Network 6:

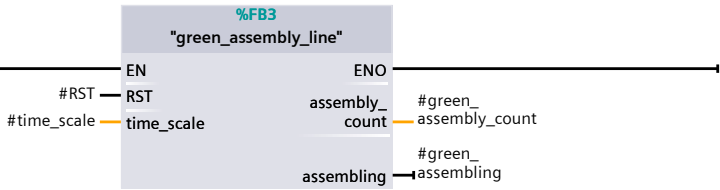


Network 7:



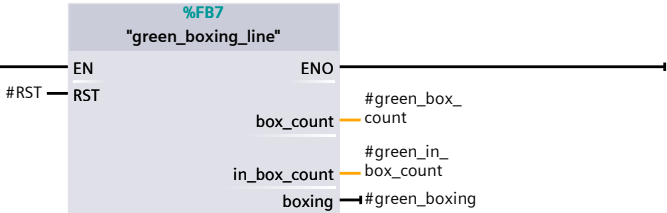
Network 8:

%DB4  
"green\_  
assembly\_line\_  
DB"



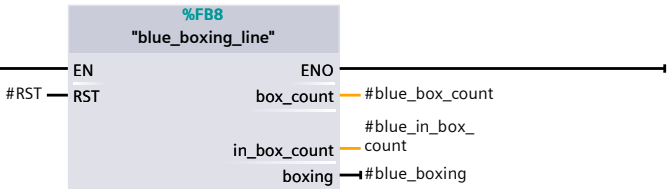
Network 9:

%DB6  
"green\_boxing\_  
line\_DB"



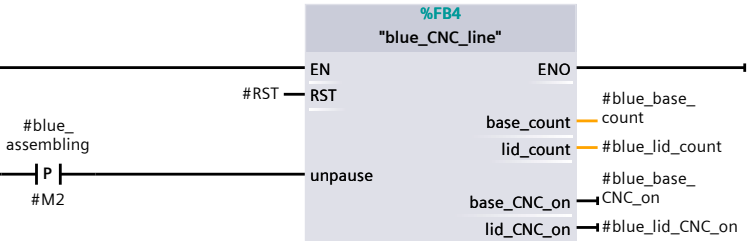
Network 10:

%DB8  
"blue\_boxing\_  
line\_DB"

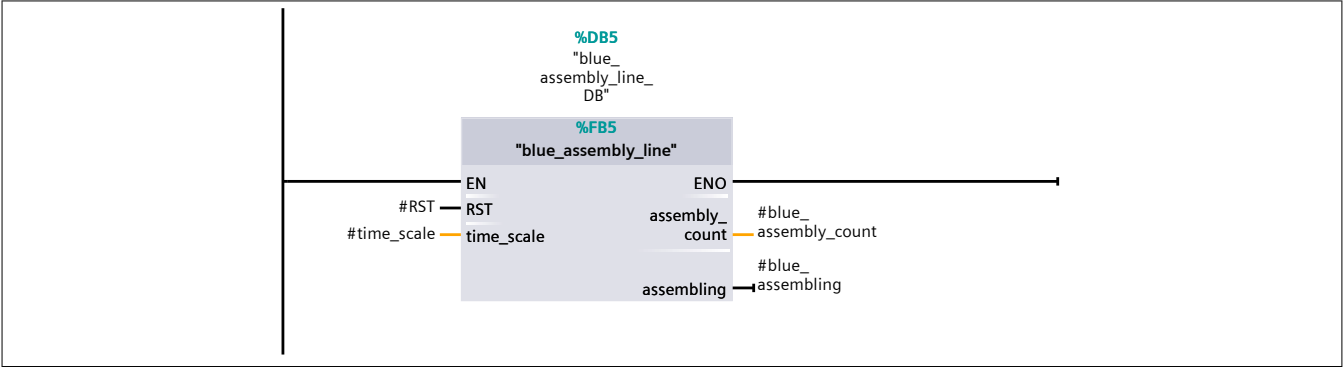


Network 11:

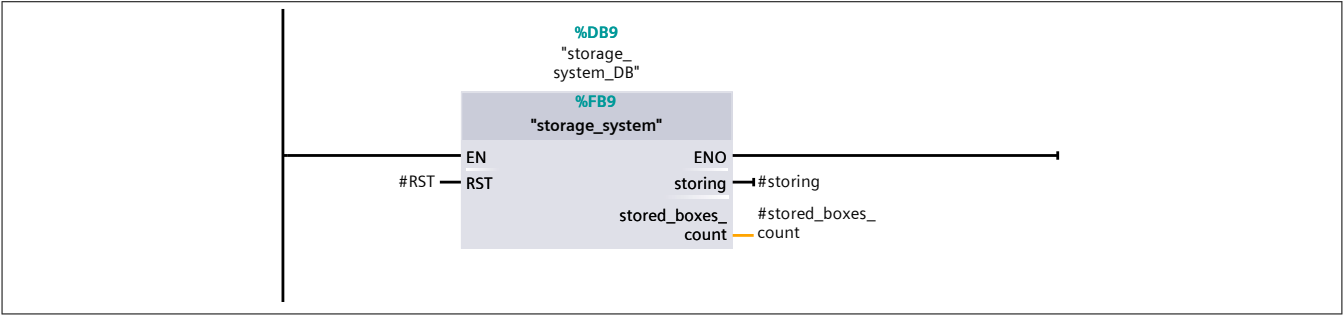
%DB2  
"blue\_CNC\_  
line\_DB"



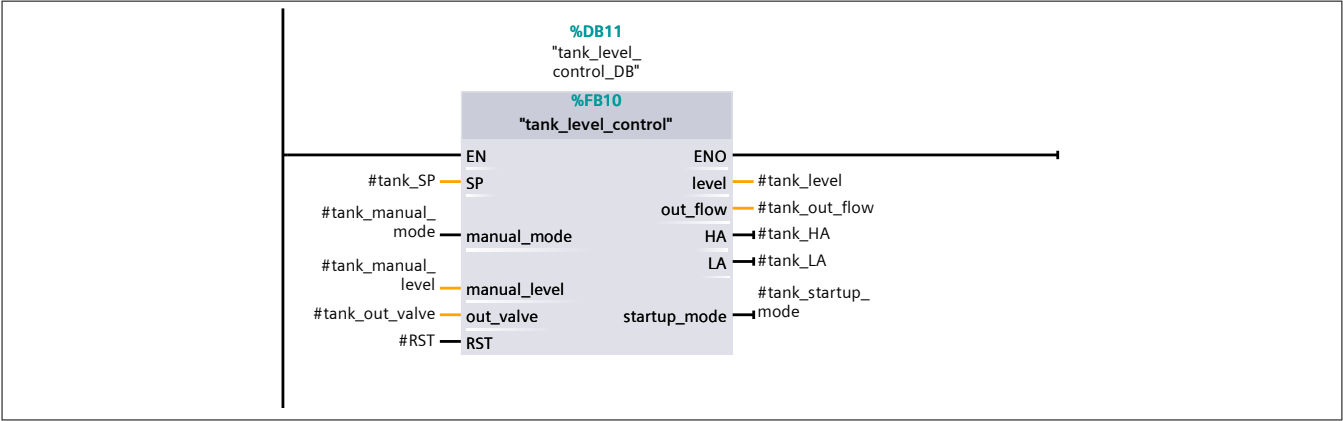
Network 12:



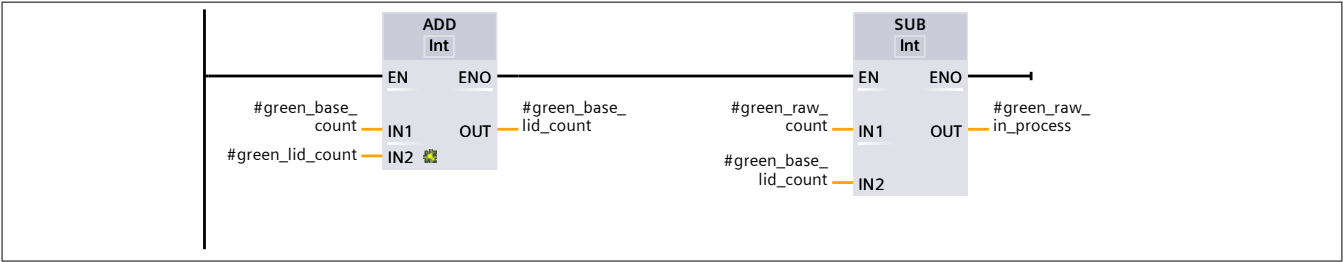
Network 13:



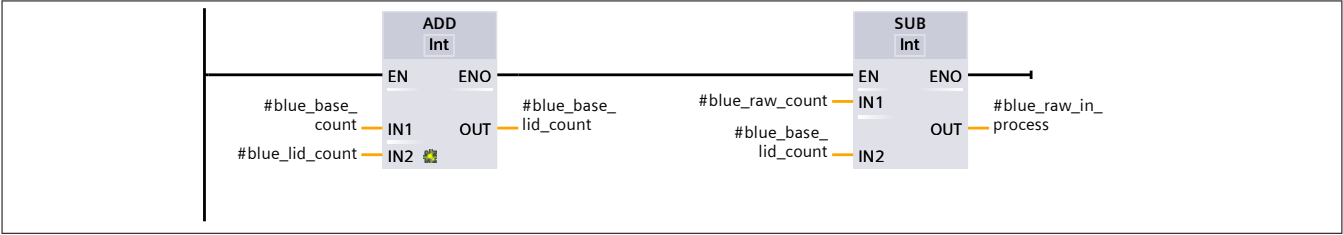
Network 14:



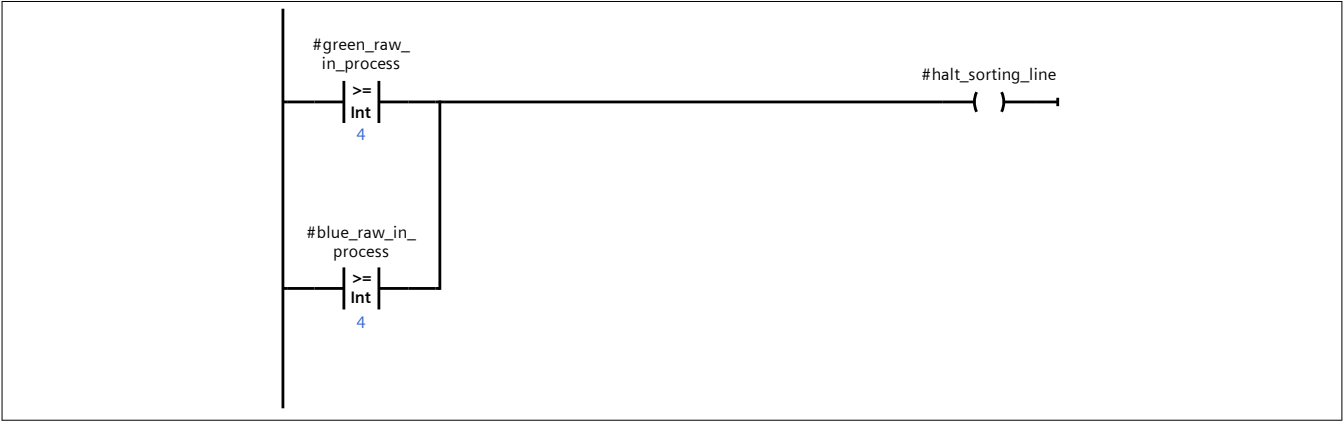
Network 15:



**Network 16:**



**Network 17:**



**Network 18: This network resets DQ, AQ, and also DB variables**

P#Q0.0 BYTE 8 => 64 digital outputs  
P#Q10.0 BYTE 48 => 24 analog outputs

