

CTUD homework_V16 Done / PLC_1 [CPU 1211C DC/DC/DC] / 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					

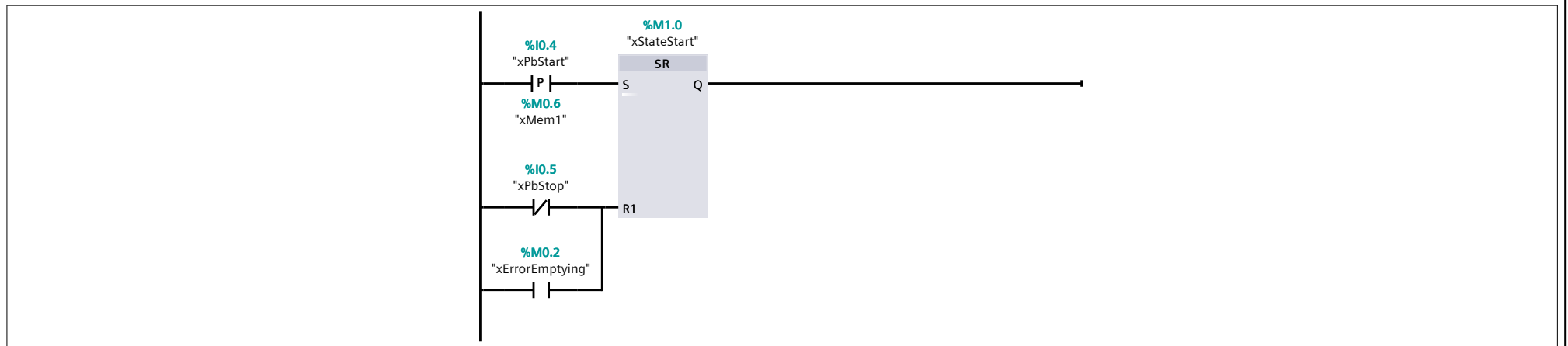
Main

Name	Data type	Default value	Comment
▼ Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
Temp			
Constant			

Network 1: Start/Stop System

Start/Stop System

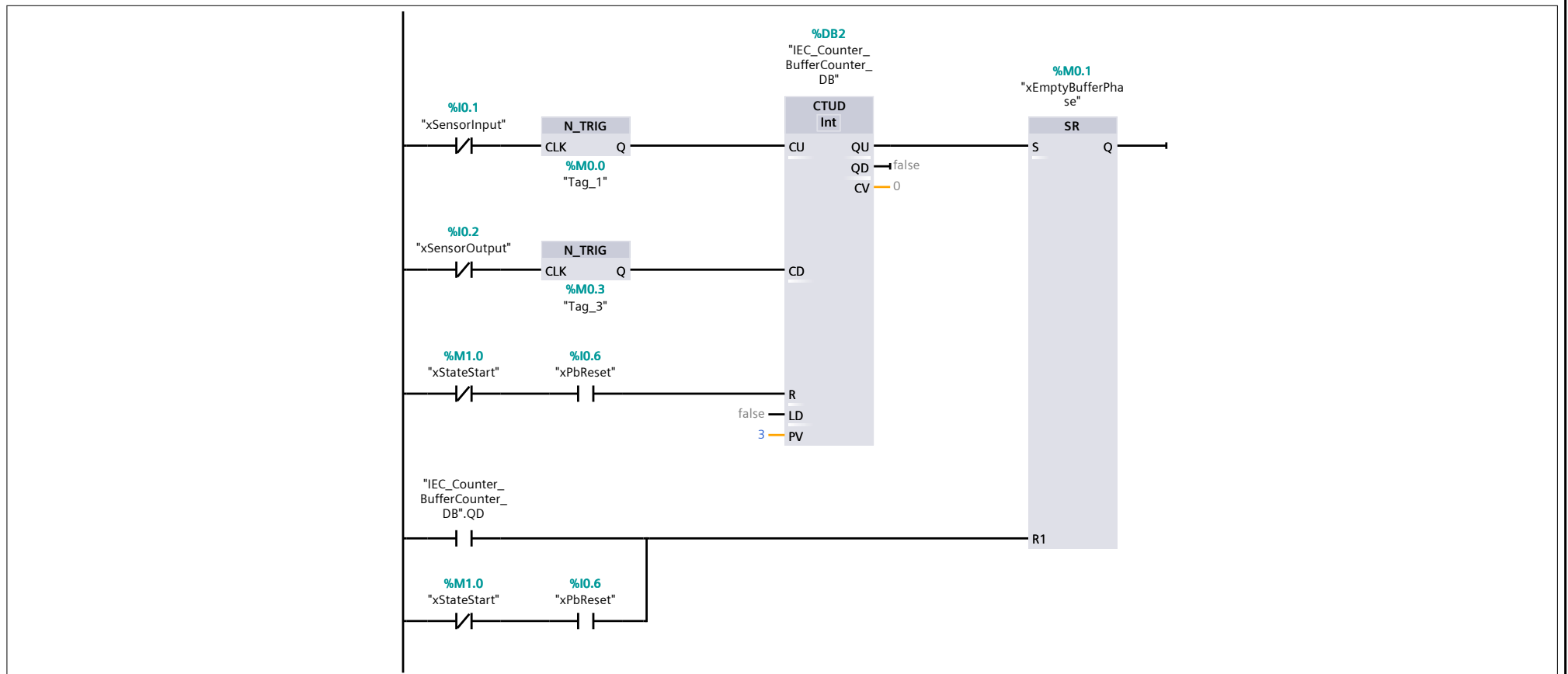
The alarm stops the cycle



Network 2: Container counter

Container counter

After counting the appropriate number, activation of the buffer emptying phase - variable xEmptyBufferPhase



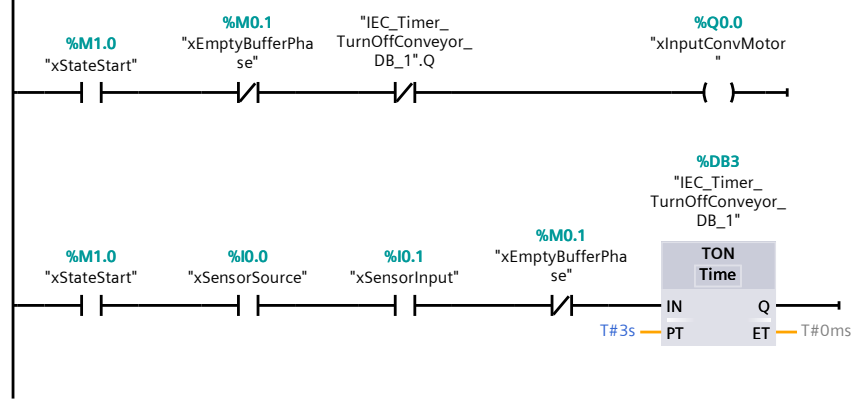
Network 3: Control of the input conveyor

Control of the input conveyor

The conveyor operates only in the first phase

After activating the emptying phase (variable xEmptyBuffer), it is turned off

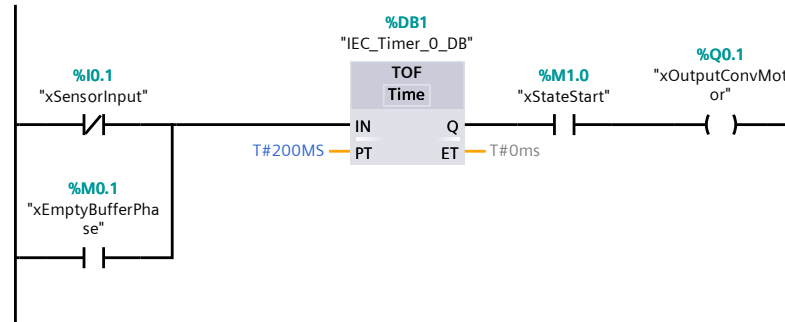
Disabling the conveyor if no new container appears at the input - timer used



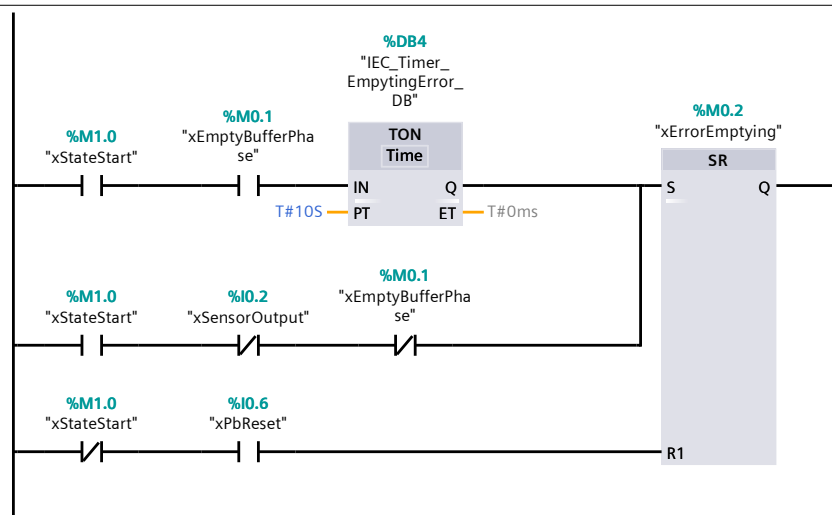
Network 4: Control of the output conveyor

Control of the output conveyor

Timer TOF generates intervals between containers

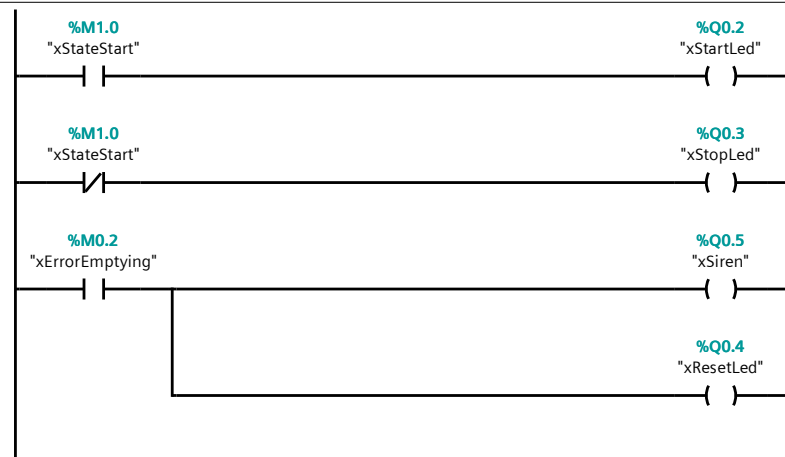


Network 5: Emptying errors



Network 6: Button's lamps illumination

Button's lamps illumination



Network 7:

