

Proportional Controller for a Water tank / PLC\_1 [CPU 1211C DC/DC/DC] / Program blocks

Main [OB1]

Main Properties

General

Name	Main	Number	1	Type	OB	Language	LAD
Numbering	Automatic						

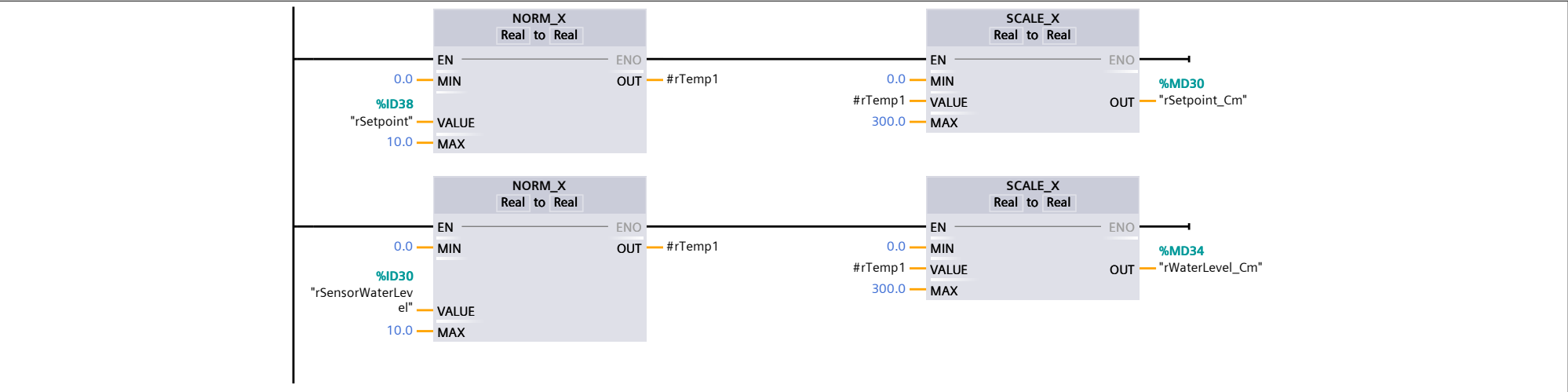
Information

Title	"Main Program Sweep (Cycle)"	Author		Comment		Family	
Version	0.1	User-defined ID					

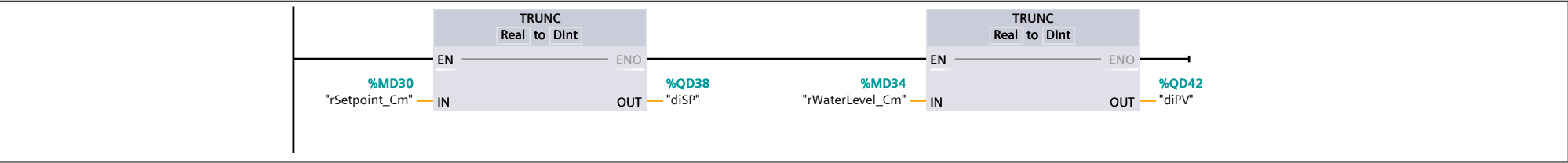
Main

Name	Data type	Default value	Comment
▼ Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
▼ Temp			
rTemp1	Real		
wlevelMeter_2	Real		
Constant			

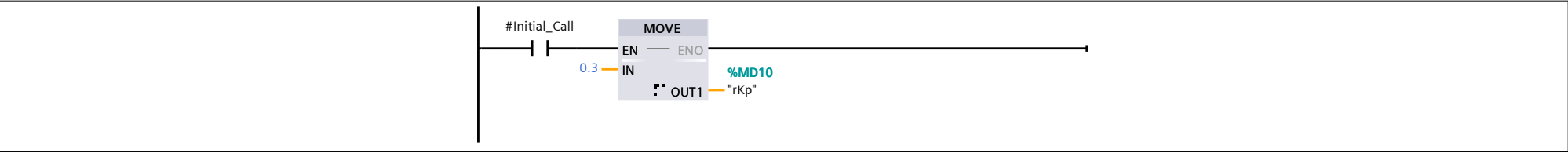
Network 1: Scaling the set point and current values in CM



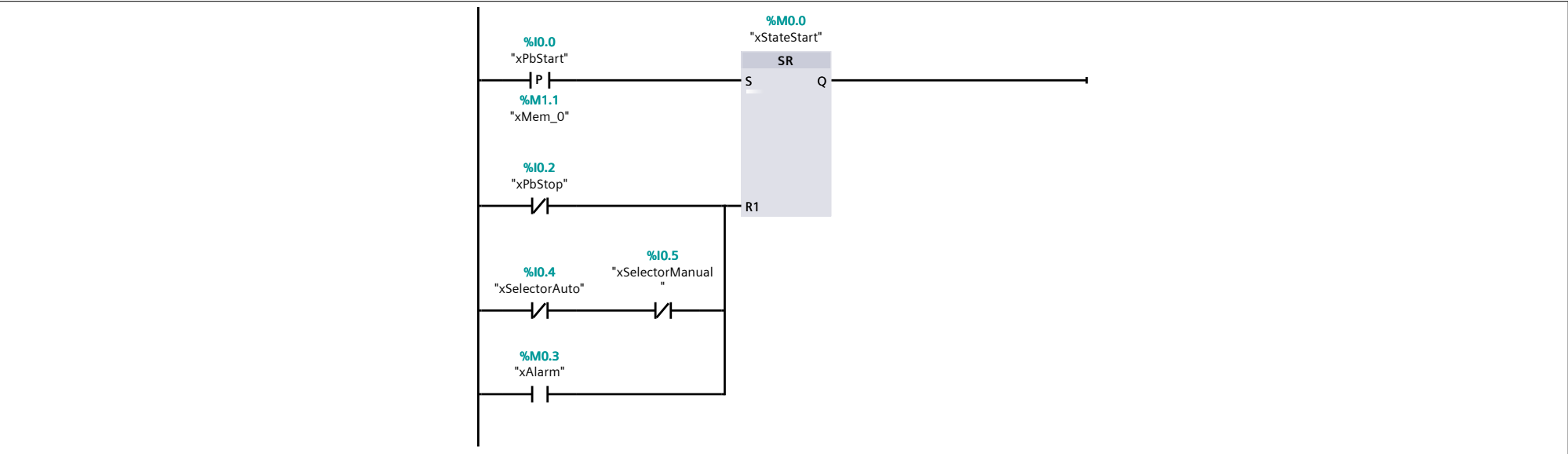
Network 2: Displaying the current and set liquid level in cm on the display



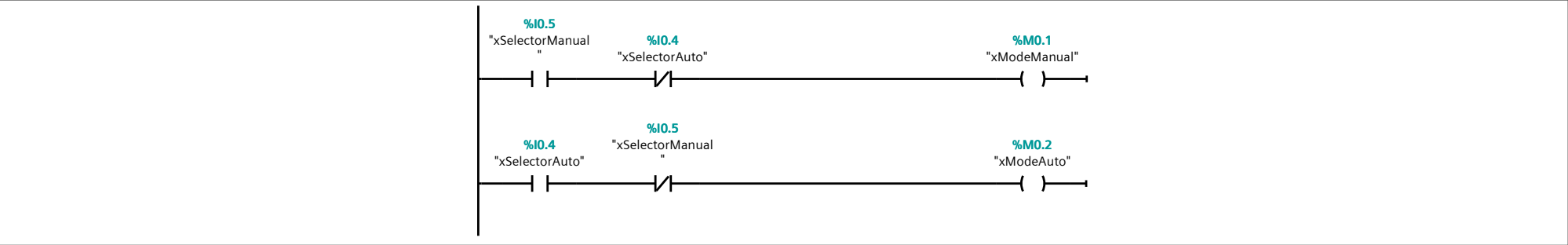
Network 3: Initialize RKp



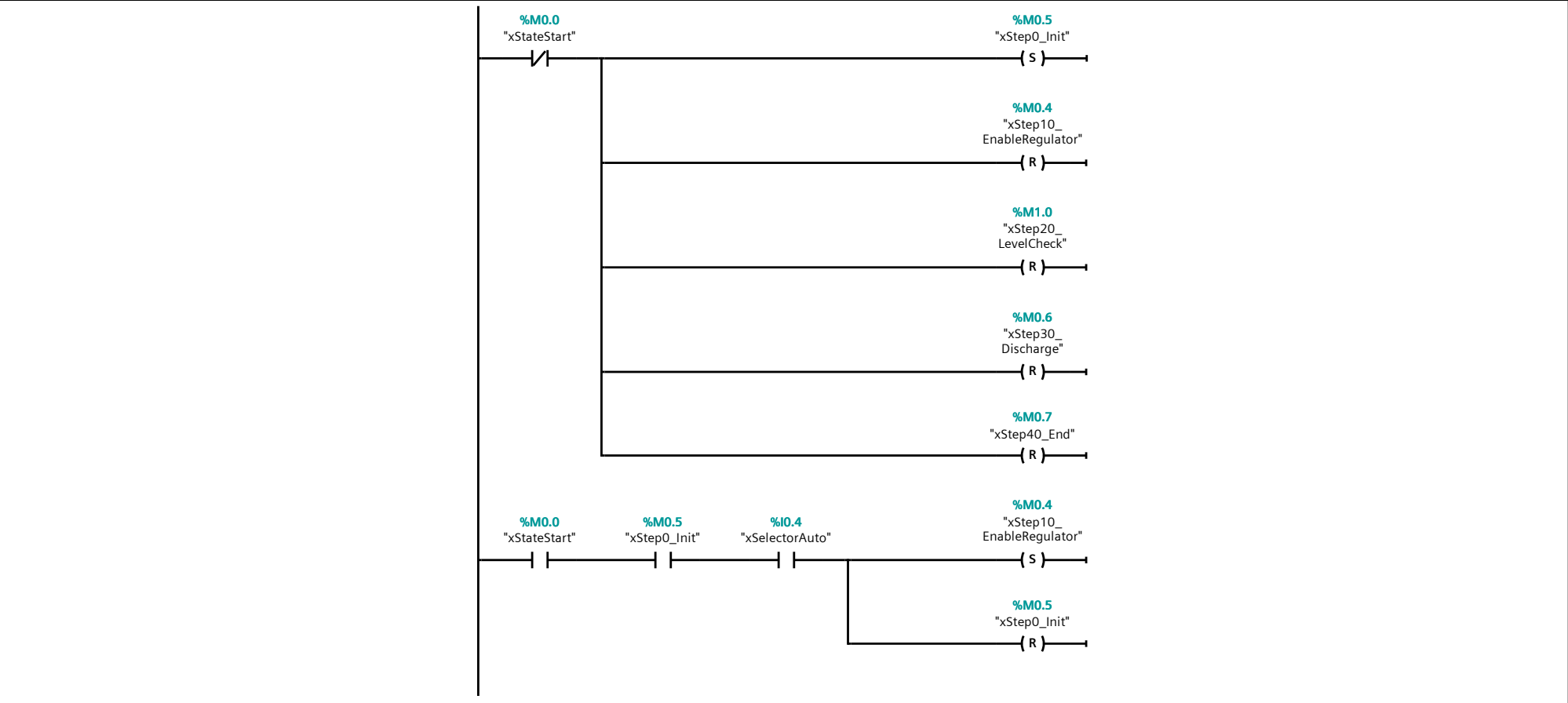
Network 4: State Start/Stop



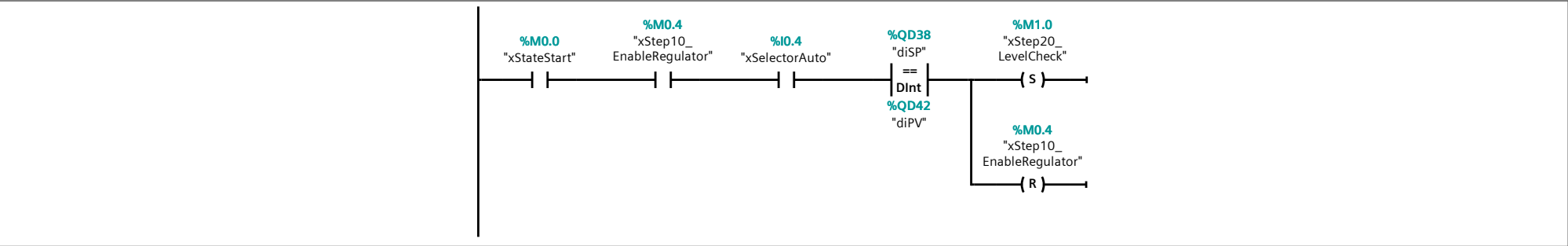
Network 5: Mode Auto/Manual



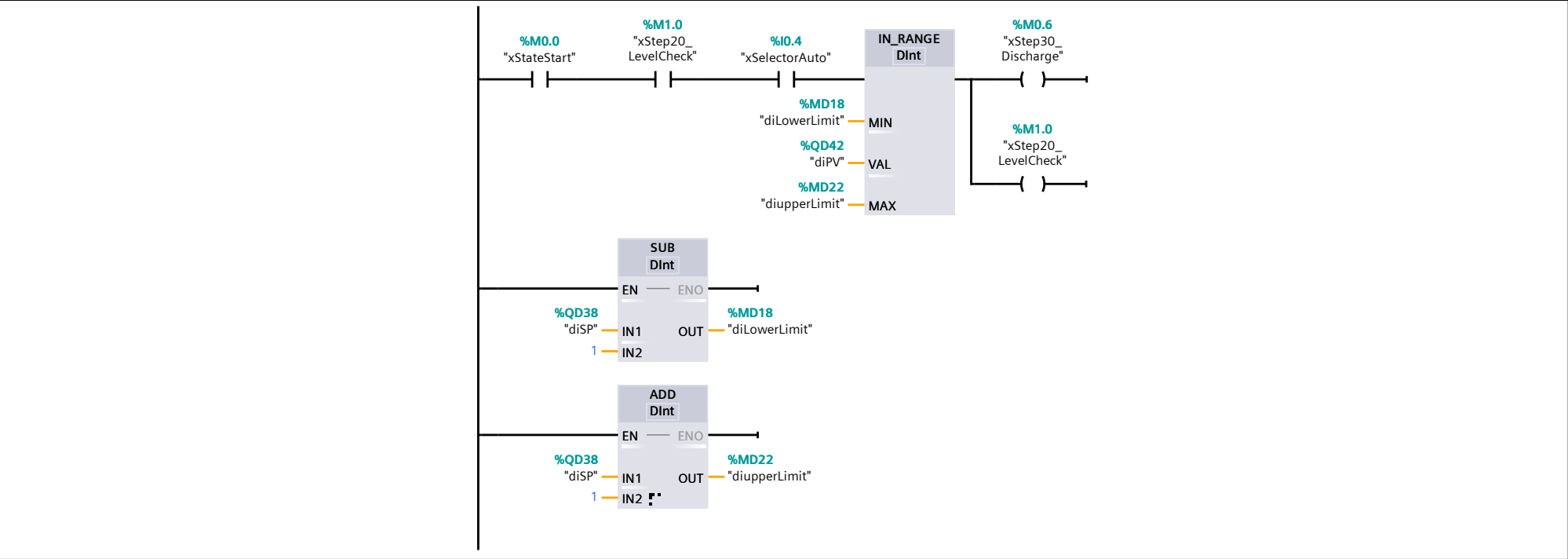
Network 6: Scaling the setpoint and current values to a value in cm



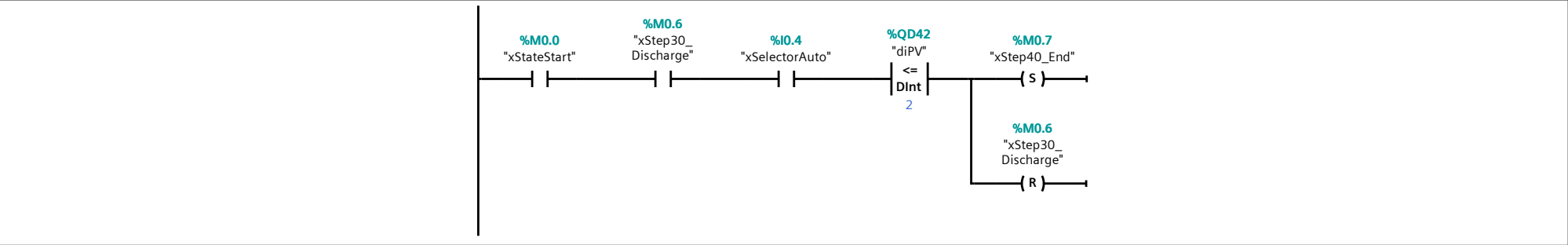
Network 7: Checking reaching of the set value then proceding to step 20



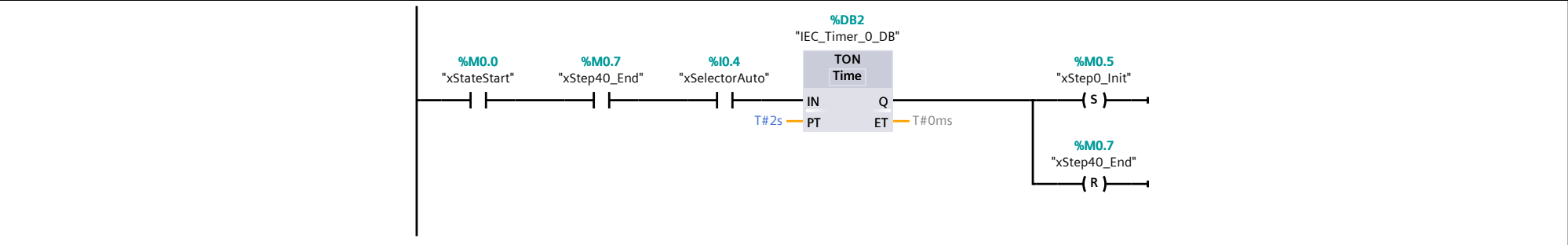
Network 8: Checking of the water level is winthin specified limits .



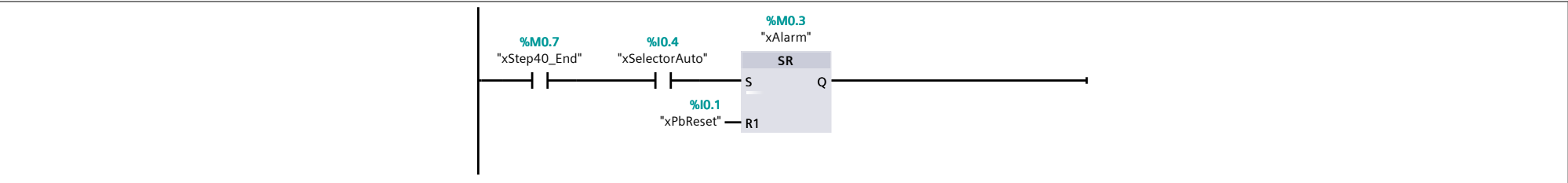
Network 9: Check if the tank is emmptied . If ithas emptied thesequence ends



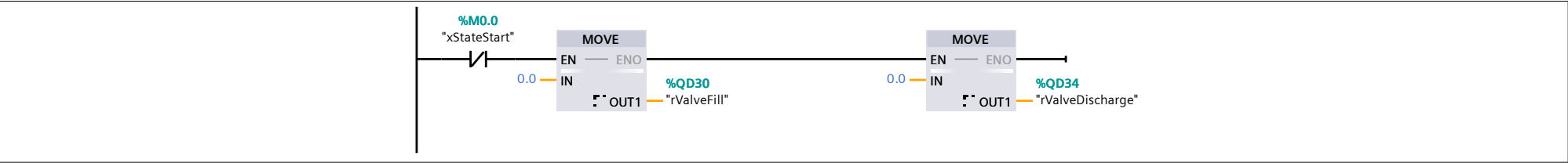
Network 10: Delay and return to the initialisations step



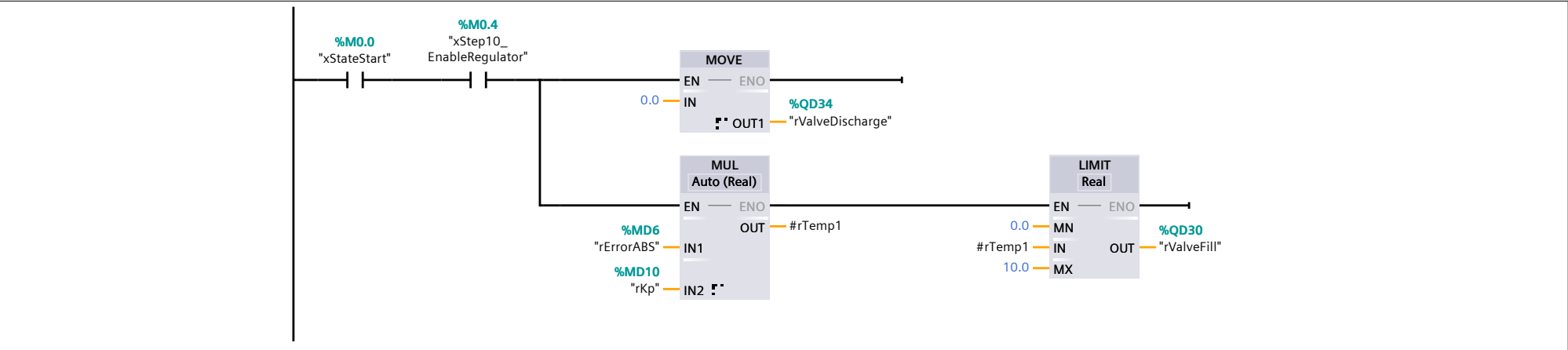
Network 11: Alarm and stop the sequence auto



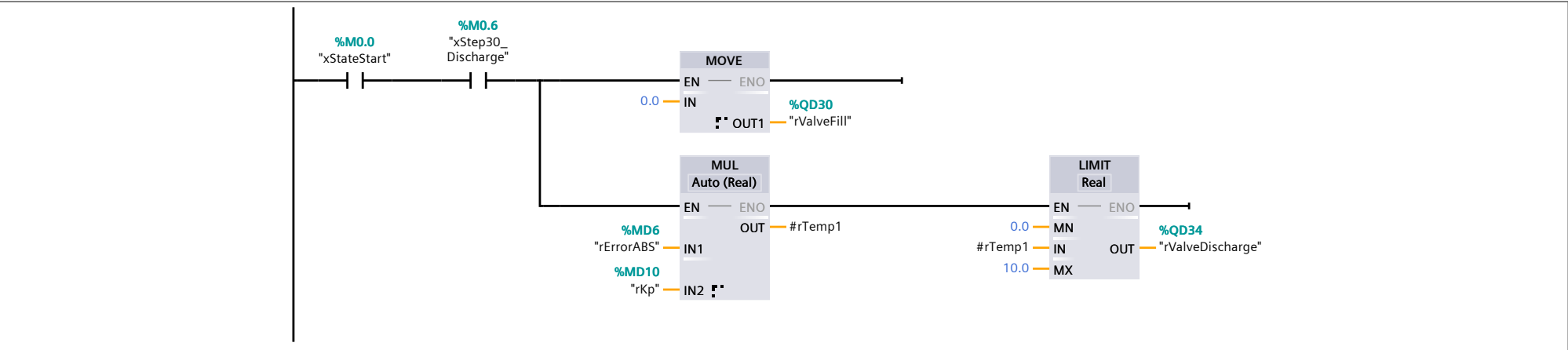
Network 12: Switching off the valves



Network 13: Regulator COntroller filling Valve



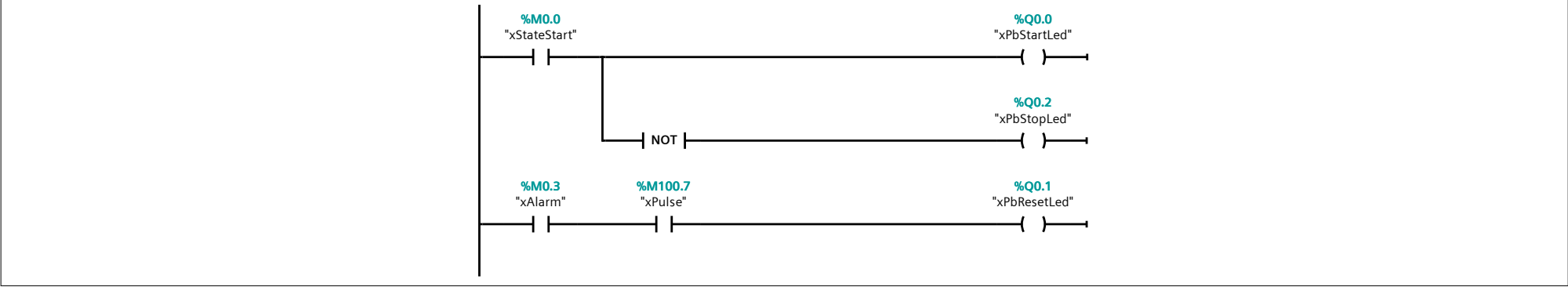
Network 14: Regulator COntroller Discharge Valve



Network 15: Switching off valve



Network 16: LEDs



Network 17: FIO

