

TECHNICAL DOCUMENTATION

SP9_2

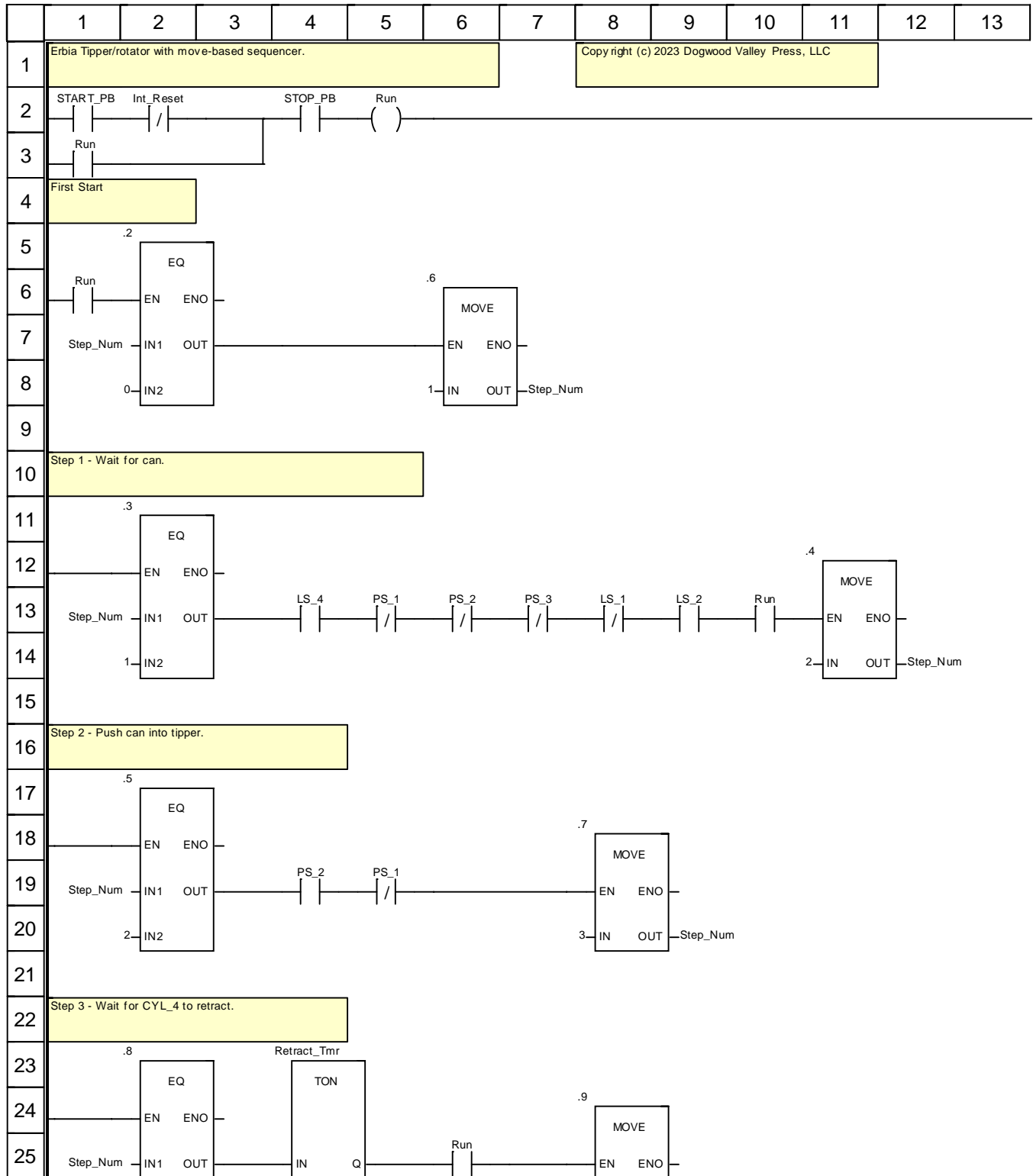
Project	SP9_5
Designer	
Application	sp9_02.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/23/2023 5:08:21 PM
Last Modification Date	6/23/2023 8:18:04 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

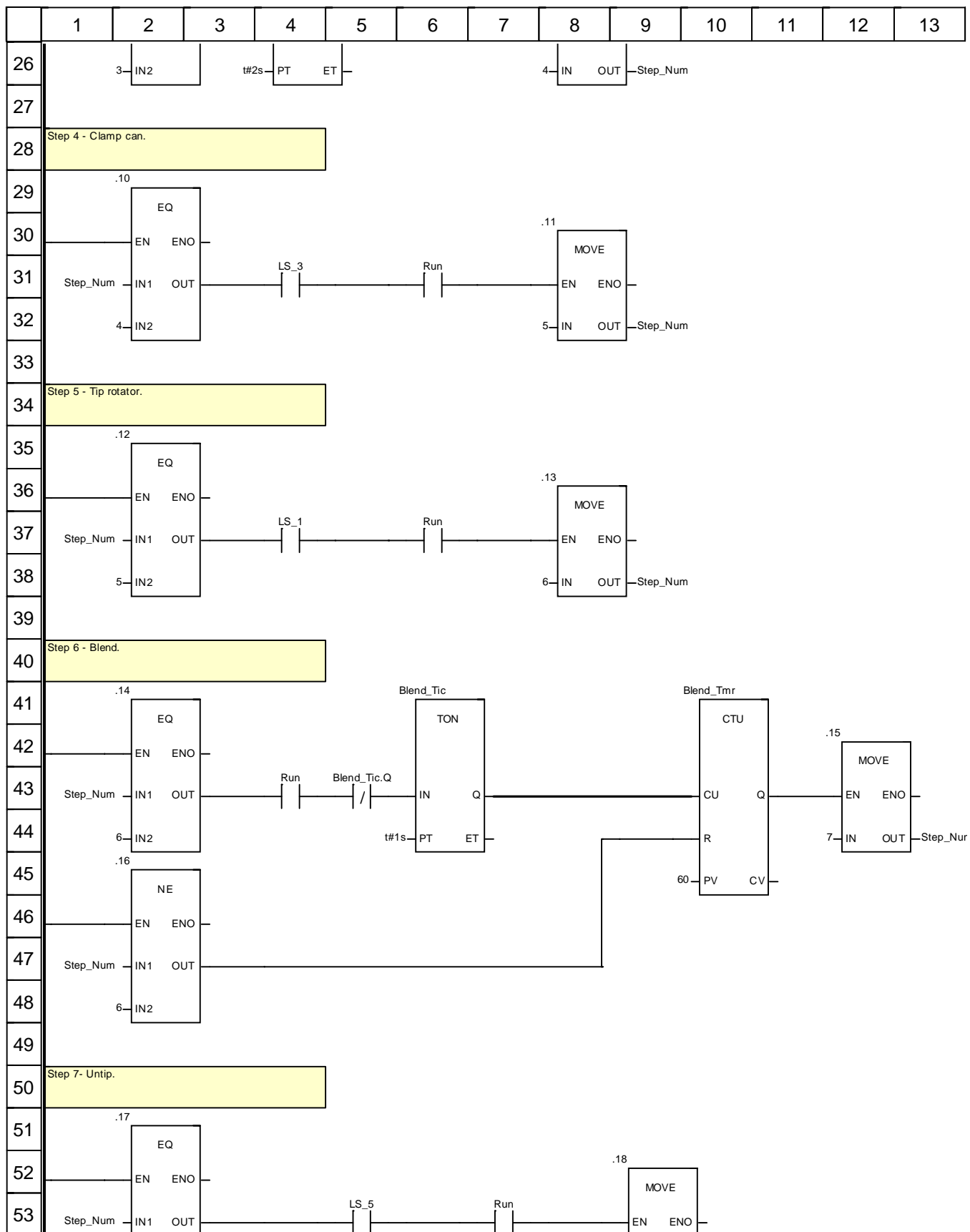
Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

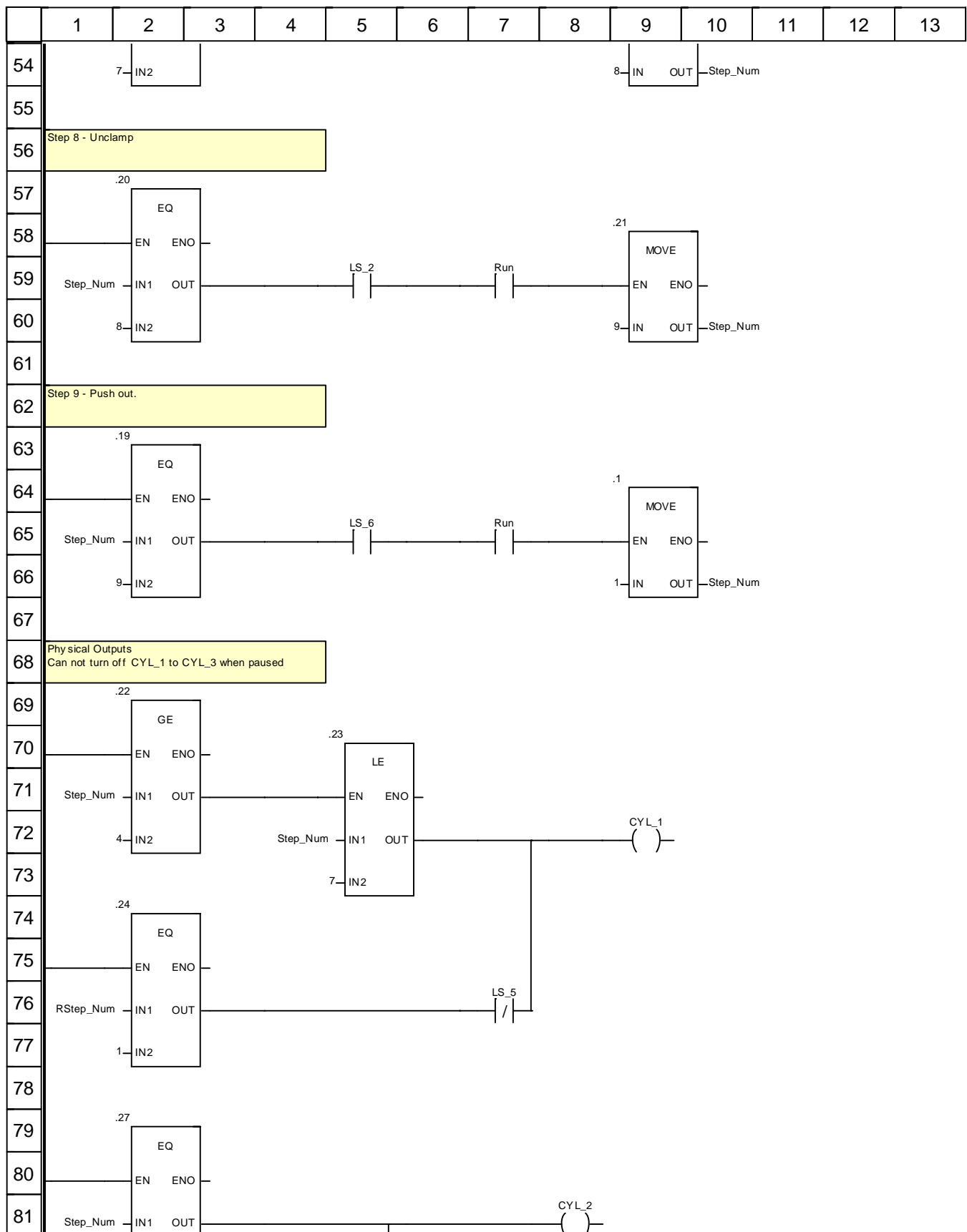
Main : [MAST]



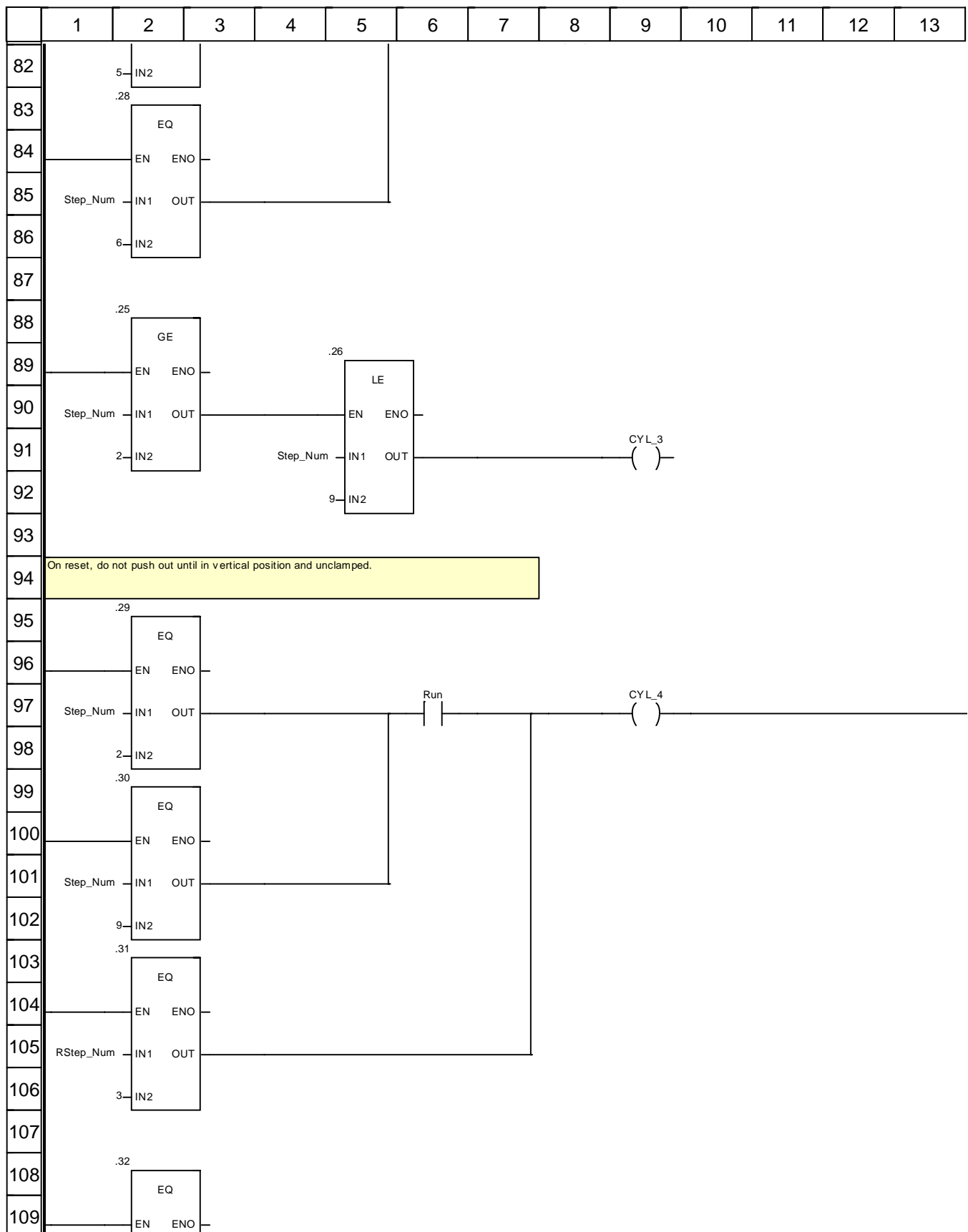
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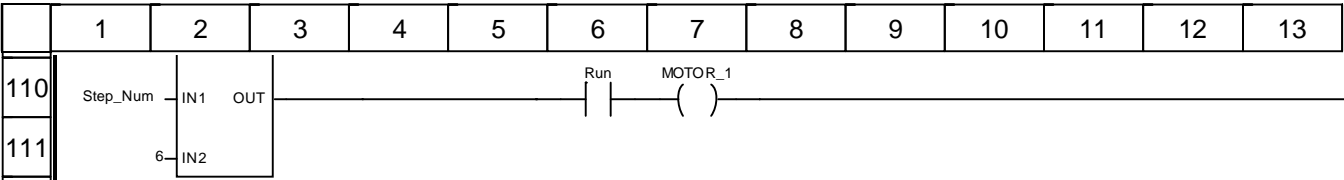
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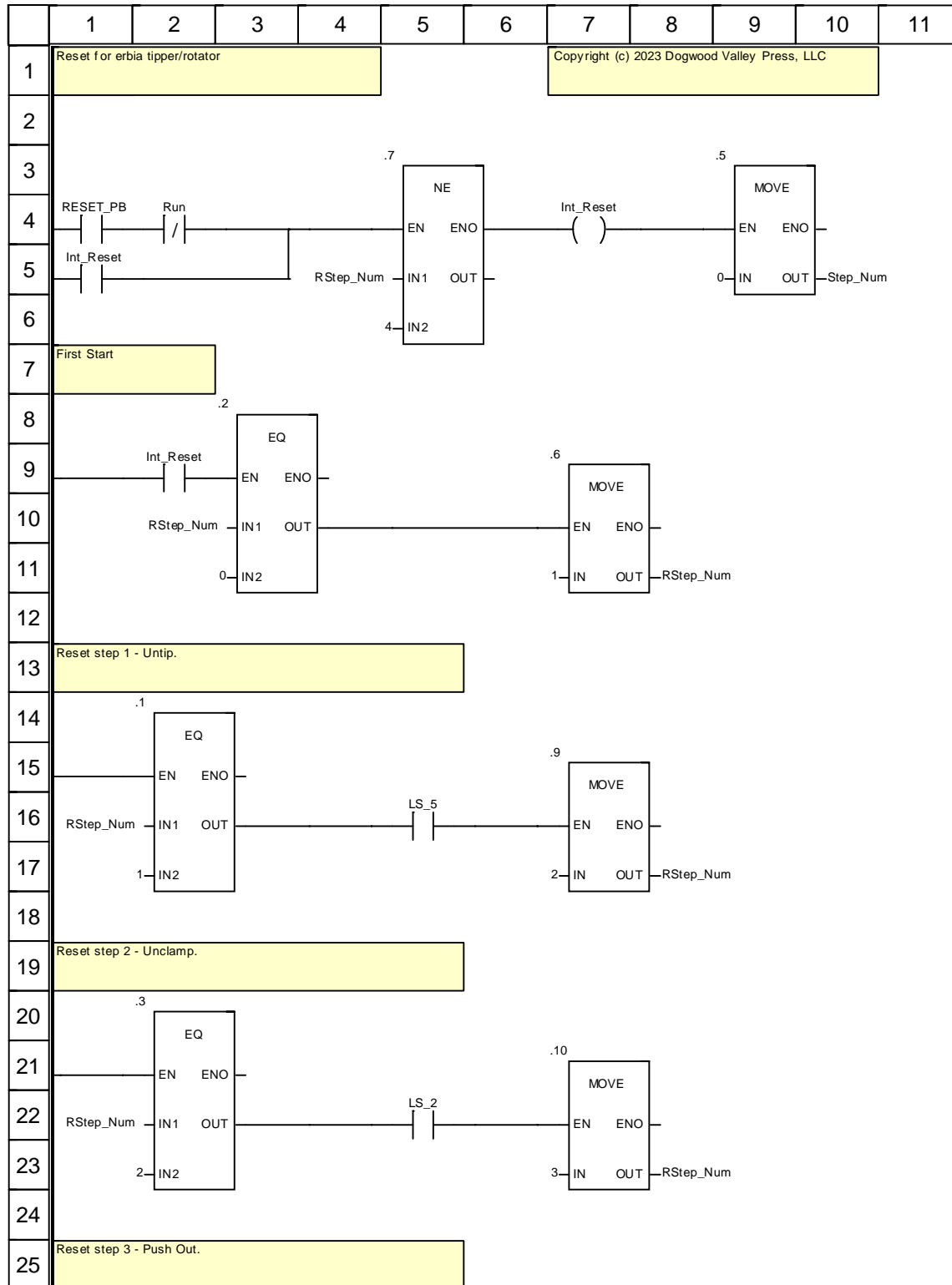


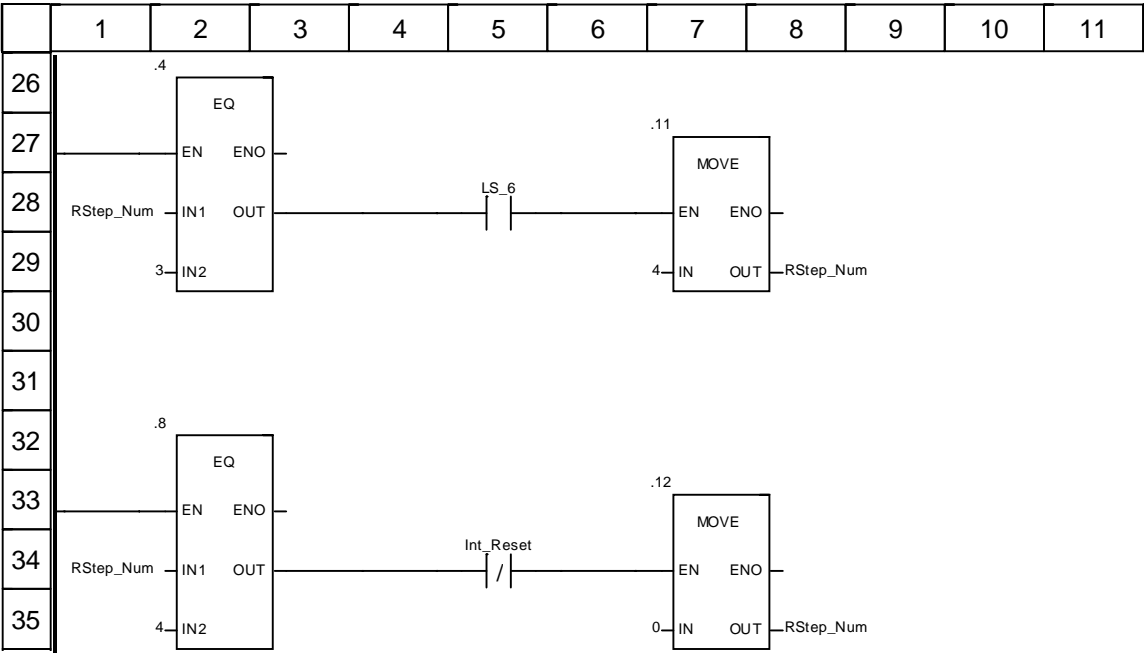
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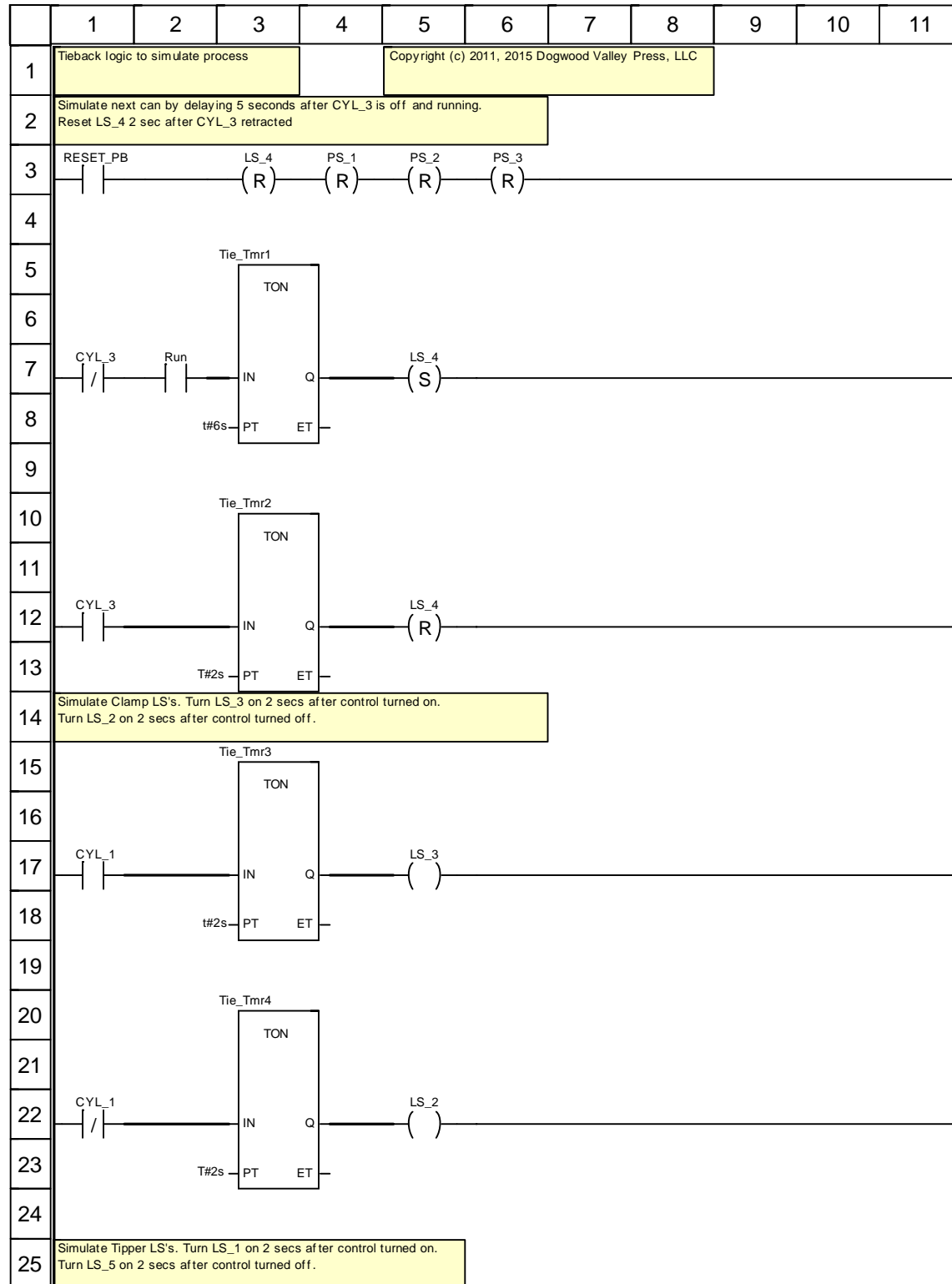
	14	15	16
110			
111			

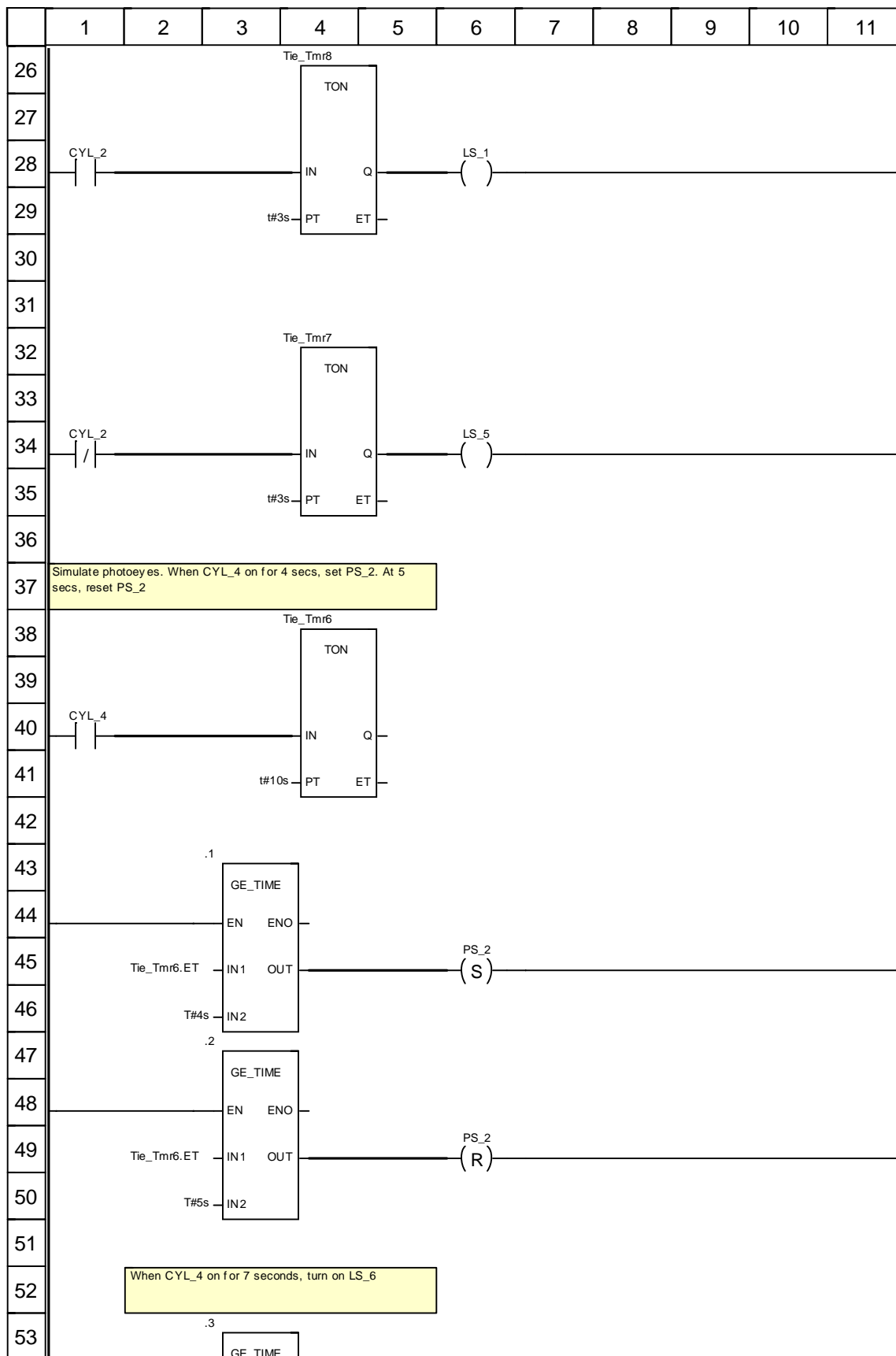
Reset : [MAST]

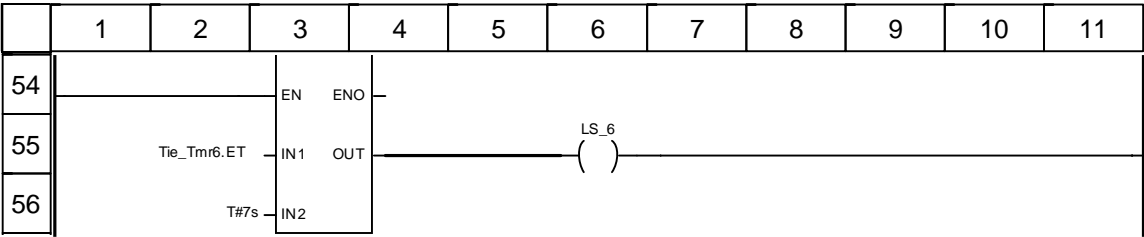




Simulation : [MAST]







FAST

Specific properties

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

Cross References

Application:

Addresses

Object	Referred into	Location	Usage
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Variables or FB instances

Object	Referred into	Location	Usage
Blend_Tic	Main : [MAST]	(l 43, c: 5)	R
		(l 41, c: 6)	FC
Blend_Tmr	Main : [MAST]	(l 41, c: 10)	FC
CYL_1	Simulation : [MAST]	(l 17, c: 1)	R
		(l 22, c: 1)	R
	Main : [MAST]	(l 72, c: 9)	W
CYL_2	Simulation : [MAST]	(l 28, c: 1)	R
		(l 34, c: 1)	R
	Main : [MAST]	(l 81, c: 8)	W
CYL_3	Simulation : [MAST]	(l 7, c: 1)	R
		(l 12, c: 1)	R
	Main : [MAST]	(l 91, c: 9)	W
CYL_4	Simulation : [MAST]	(l 40, c: 1)	R
	Main : [MAST]	(l 97, c: 9)	W
Int_Reset	Reset : [MAST]	(l 5, c: 1)	R
		(l 9, c: 2)	R
		(l 4, c: 7)	W
		(l 34, c: 5)	R
	Main : [MAST]	(l 2, c: 2)	R
LS_1	Simulation : [MAST]	(l 28, c: 6)	W
	Main : [MAST]	(l 13, c: 8)	R
		(l 37, c: 4)	R
LS_2	Simulation : [MAST]	(l 22, c: 5)	W
	Main : [MAST]	(l 13, c: 9)	R
		(l 59, c: 5)	R
	Reset : [MAST]	(l 22, c: 5)	R
LS_3	Simulation : [MAST]	(l 17, c: 5)	W
	Main : [MAST]	(l 31, c: 4)	R
LS_4	Simulation : [MAST]	(l 3, c: 3)	W
		(l 7, c: 5)	W
		(l 12, c: 5)	W
	Main : [MAST]	(l 13, c: 4)	R
LS_5	Simulation : [MAST]	(l 34, c: 6)	W
	Main : [MAST]	(l 53, c: 5)	R
		(l 76, c: 7)	R
	Reset : [MAST]	(l 16, c: 5)	R
LS_6	Simulation : [MAST]	(l 55, c: 6)	W
	Main : [MAST]	(l 65, c: 5)	R
	Reset : [MAST]	(l 28, c: 5)	R
MOTOR_1	Main : [MAST]	(l 110, c: 7)	W
PS_1	Simulation : [MAST]	(l 3, c: 4)	W
	Main : [MAST]	(l 13, c: 5)	R
		(l 19, c: 5)	R
PS_2	Simulation : [MAST]	(l 3, c: 5)	W
		(l 45, c: 6)	W

Cross References

Object	Referred into	Location	Usage
		(l 49, c: 6)	W
	Main : [MAST]	(l 13, c: 6)	R
		(l 19, c: 4)	R
PS_3	Simulation : [MAST]	(l 3, c: 6)	W
	Main : [MAST]	(l 13, c: 7)	R
RESET_PB	Simulation : [MAST]	(l 3, c: 1)	R
	Reset : [MAST]	(l 4, c: 1)	R
Retract_Tmr	Main : [MAST]	(l 23, c: 4)	FC
RStep_Num	Reset : [MAST]	(l 8, c: 3)	R
		(l 9, c: 7)	W
		(l 3, c: 5)	R
		(l 32, c: 2)	R
		(l 33, c: 7)	W
		(l 27, c: 7)	W
		(l 26, c: 2)	R
		(l 21, c: 7)	W
		(l 20, c: 2)	R
		(l 15, c: 7)	W
		(l 14, c: 2)	R
	Main : [MAST]	(l 74, c: 2)	R
		(l 103, c: 2)	R
Run	Simulation : [MAST]	(l 7, c: 2)	R
	Reset : [MAST]	(l 4, c: 2)	R
	Main : [MAST]	(l 2, c: 5)	W
		(l 3, c: 1)	R
		(l 6, c: 1)	R
		(l 13, c: 10)	R
		(l 25, c: 6)	R
		(l 31, c: 6)	R
		(l 37, c: 6)	R
		(l 43, c: 4)	R
		(l 53, c: 7)	R
		(l 65, c: 7)	R
		(l 59, c: 7)	R
		(l 97, c: 6)	R
		(l 110, c: 6)	R
START_PB	Main : [MAST]	(l 2, c: 1)	R
Step_Num	Reset : [MAST]	(l 3, c: 9)	W
	Main : [MAST]	(l 5, c: 2)	R
		(l 6, c: 6)	W
		(l 11, c: 2)	R
		(l 12, c: 11)	W
		(l 17, c: 2)	R
		(l 18, c: 8)	W
		(l 23, c: 2)	R
		(l 24, c: 8)	W
		(l 29, c: 2)	R
		(l 30, c: 8)	W
		(l 35, c: 2)	R
		(l 36, c: 8)	W
		(l 41, c: 2)	R
		(l 42, c: 12)	W
		(l 45, c: 2)	R
		(l 51, c: 2)	R
		(l 52, c: 9)	W

Cross References

Object	Referred into	Location	Usage
		(l 64, c: 9)	W
		(l 63, c: 2)	R
		(l 57, c: 2)	R
		(l 58, c: 9)	W
		(l 69, c: 2)	R
		(l 70, c: 5)	R
		(l 88, c: 2)	R
		(l 89, c: 5)	R
		(l 79, c: 2)	R
		(l 83, c: 2)	R
		(l 95, c: 2)	R
		(l 99, c: 2)	R
		(l 108, c: 2)	R
STOP_PB	Main : [MAST]	(l 2, c: 4)	R
Tie_Tmr1	Simulation : [MAST]	(l 5, c: 3)	FC
Tie_Tmr2	Simulation : [MAST]	(l 10, c: 3)	FC
Tie_Tmr3	Simulation : [MAST]	(l 15, c: 3)	FC
Tie_Tmr4	Simulation : [MAST]	(l 20, c: 3)	FC
Tie_Tmr6	Simulation : [MAST]	(l 43, c: 3)	R
		(l 47, c: 3)	R
		(l 53, c: 3)	R
		(l 38, c: 4)	FC
Tie_Tmr7	Simulation : [MAST]	(l 32, c: 4)	FC
Tie_Tmr8	Simulation : [MAST]	(l 26, c: 4)	FC

EF objects

Object	Referred into	Location	Usage
eq	Main : [MAST]	(l 5, c: 2)	FC
		(l 11, c: 2)	FC
		(l 17, c: 2)	FC
		(l 23, c: 2)	FC
		(l 29, c: 2)	FC
		(l 35, c: 2)	FC
		(l 41, c: 2)	FC
		(l 51, c: 2)	FC
		(l 63, c: 2)	FC
		(l 57, c: 2)	FC
		(l 74, c: 2)	FC
		(l 83, c: 2)	FC
		(l 79, c: 2)	FC
		(l 95, c: 2)	FC
		(l 99, c: 2)	FC
		(l 103, c: 2)	FC
		(l 108, c: 2)	FC
	Reset : [MAST]	(l 8, c: 3)	FC
		(l 32, c: 2)	FC
		(l 26, c: 2)	FC
		(l 20, c: 2)	FC
		(l 14, c: 2)	FC
eq_dint	Reset : [MAST]	(l 8, c: 3)	FC
		(l 32, c: 2)	FC
		(l 26, c: 2)	FC
		(l 20, c: 2)	FC
		(l 14, c: 2)	FC

Cross References

Object	Referred into	Location	Usage
	Main : [MAST]	(l 5, c: 2)	FC
		(l 11, c: 2)	FC
		(l 17, c: 2)	FC
		(l 23, c: 2)	FC
		(l 29, c: 2)	FC
		(l 35, c: 2)	FC
		(l 41, c: 2)	FC
		(l 51, c: 2)	FC
		(l 63, c: 2)	FC
		(l 57, c: 2)	FC
		(l 74, c: 2)	FC
		(l 83, c: 2)	FC
		(l 79, c: 2)	FC
		(l 95, c: 2)	FC
		(l 99, c: 2)	FC
		(l 103, c: 2)	FC
		(l 108, c: 2)	FC
ge	Main : [MAST]	(l 69, c: 2)	FC
		(l 88, c: 2)	FC
ge_dint	Main : [MAST]	(l 69, c: 2)	FC
		(l 88, c: 2)	FC
ge_time	Simulation : [MAST]	(l 43, c: 3)	FC
		(l 53, c: 3)	FC
		(l 47, c: 3)	FC
le	Main : [MAST]	(l 70, c: 5)	FC
		(l 89, c: 5)	FC
le_dint	Main : [MAST]	(l 70, c: 5)	FC
		(l 89, c: 5)	FC
move	Reset : [MAST]	(l 3, c: 9)	FC
		(l 9, c: 7)	FC
		(l 33, c: 7)	FC
		(l 27, c: 7)	FC
		(l 21, c: 7)	FC
		(l 15, c: 7)	FC
	Main : [MAST]	(l 6, c: 6)	FC
		(l 12, c: 11)	FC
		(l 18, c: 8)	FC
		(l 24, c: 8)	FC
		(l 30, c: 8)	FC
		(l 36, c: 8)	FC
		(l 42, c: 12)	FC
		(l 52, c: 9)	FC
		(l 64, c: 9)	FC
		(l 58, c: 9)	FC
ne	Reset : [MAST]	(l 3, c: 5)	FC
	Main : [MAST]	(l 45, c: 2)	FC
ne_dint	Reset : [MAST]	(l 3, c: 5)	FC
	Main : [MAST]	(l 45, c: 2)	FC

Cross References

Seq_Trans:

Variables or FB instances

Object	Referred into	Location	Usage
Sequence	Main <DFB> : [Seq_Trans]	(l 2, c: 4)	R
		(l 2, c: 25)	R
		(l 3, c: 18)	R
		(l 3, c: 5)	W
		(l 4, c: 26)	R
		(l 4, c: 5)	W
		(l 5, c: 8)	R
		(l 6, c: 22)	R
		(l 6, c: 9)	W
		(l 9, c: 30)	R
		(l 9, c: 15)	R
		(l 11, c: 6)	R
		(l 12, c: 8)	R
		(l 13, c: 8)	R
		(l 15, c: 1)	W
		(l 16, c: 1)	W
StepCtr	Main <DFB> : [Seq_Trans]	(l 9, c: 1)	FC