

TECHNICAL DOCUMENTATION

SP9_8

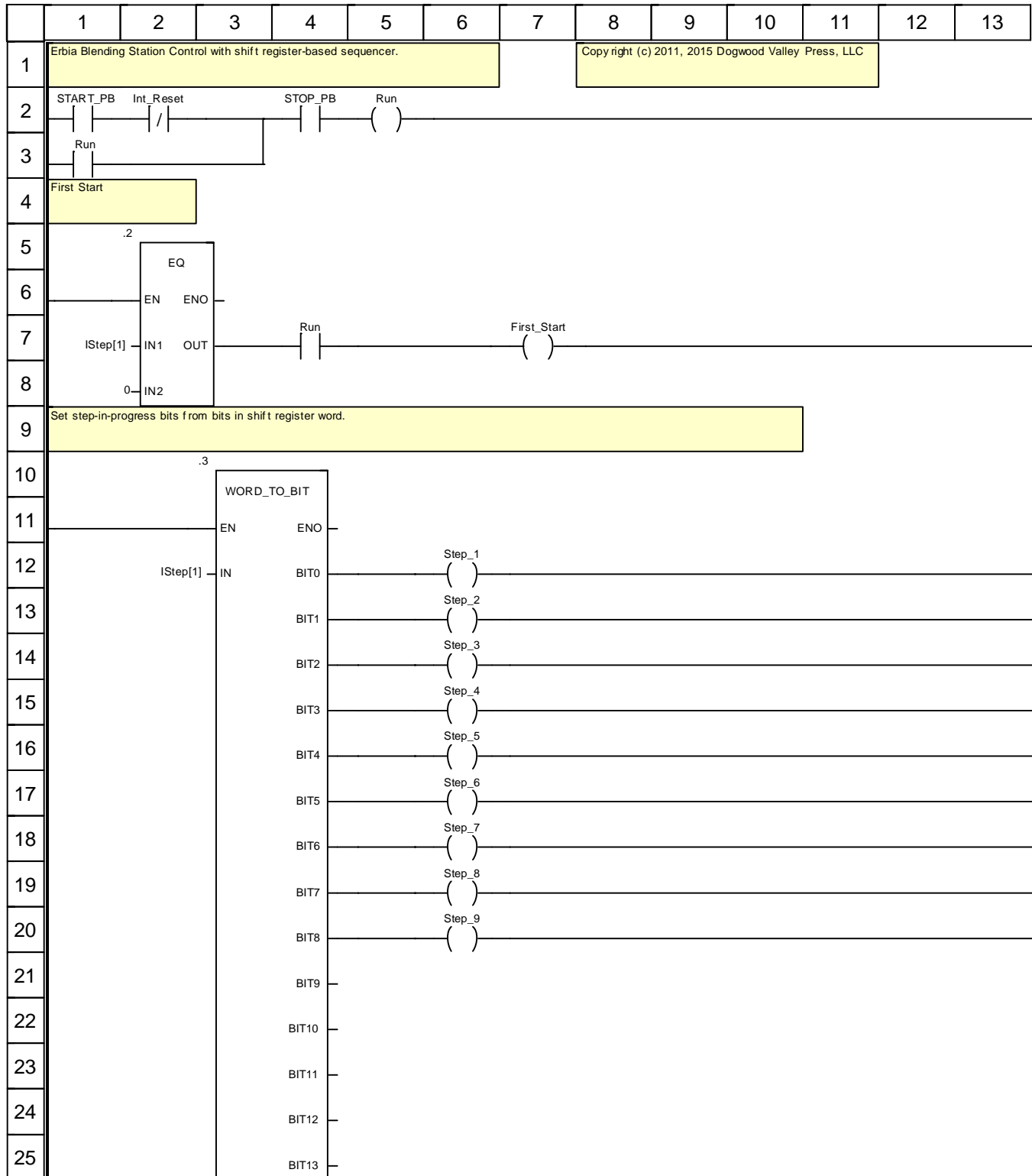
Project	SP9_8
Designer	
Application	sp9_08.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/23/2023 4:50:21 PM
Last Modification Date	6/23/2023 4:50:21 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

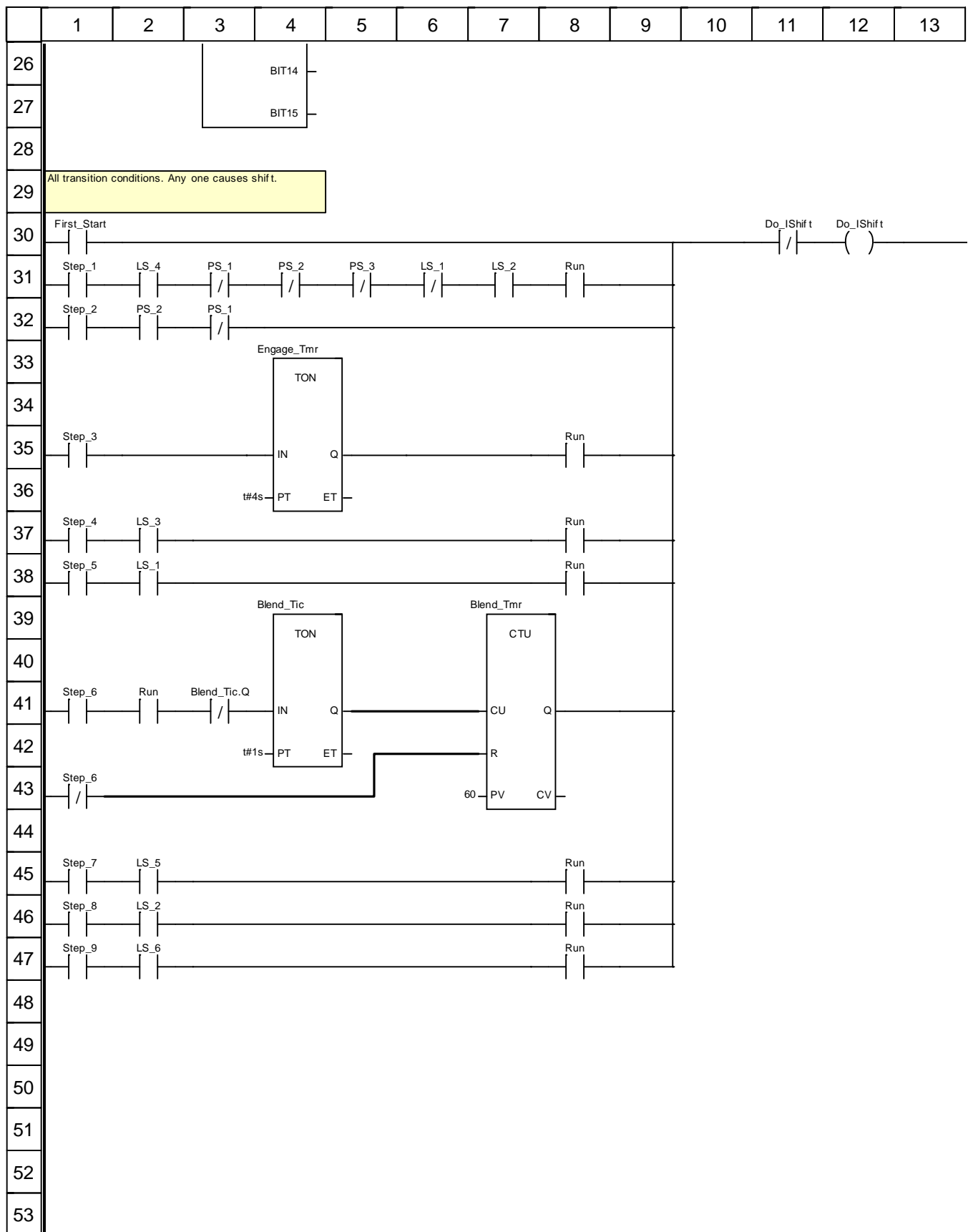
Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

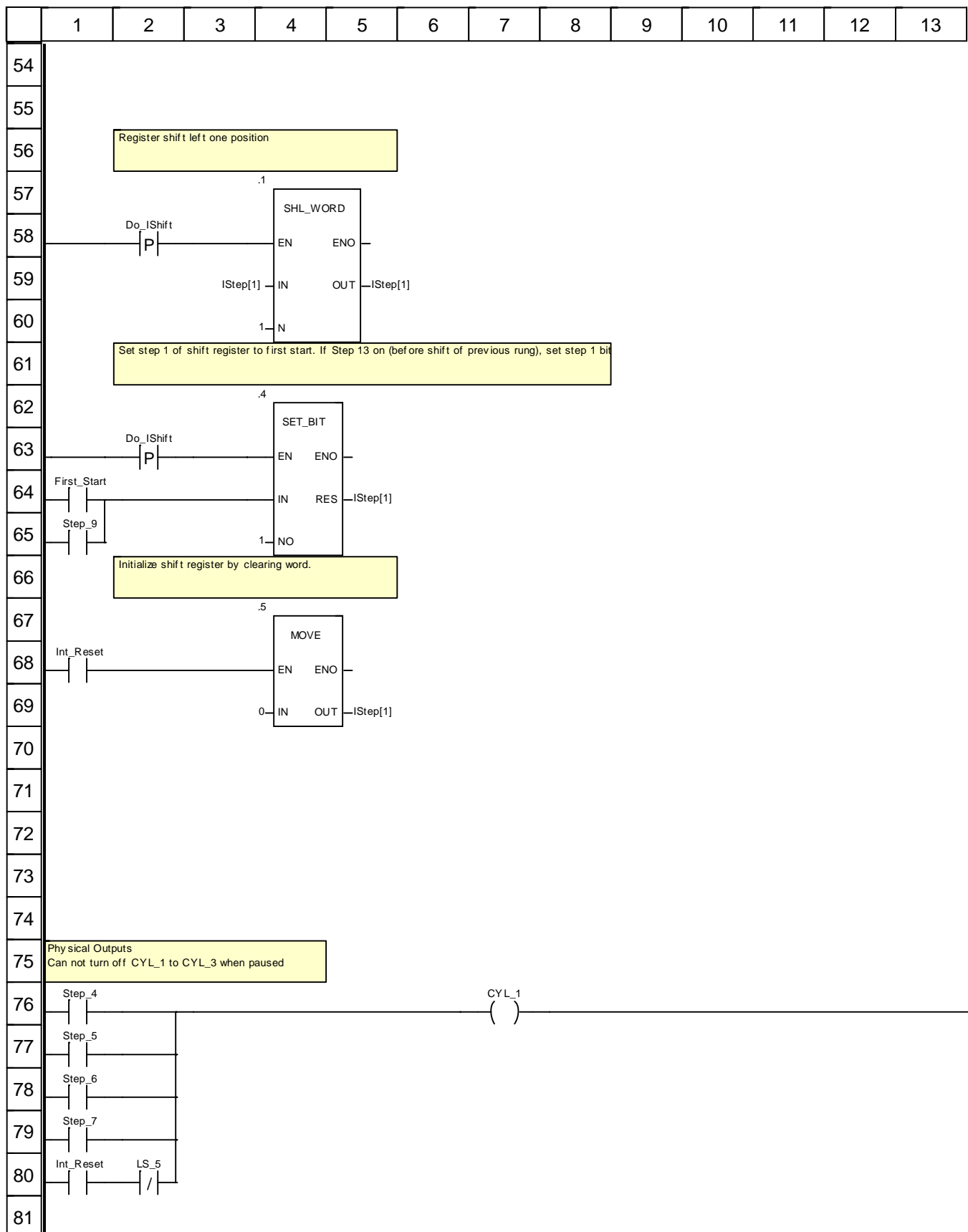
Main : [MAST]



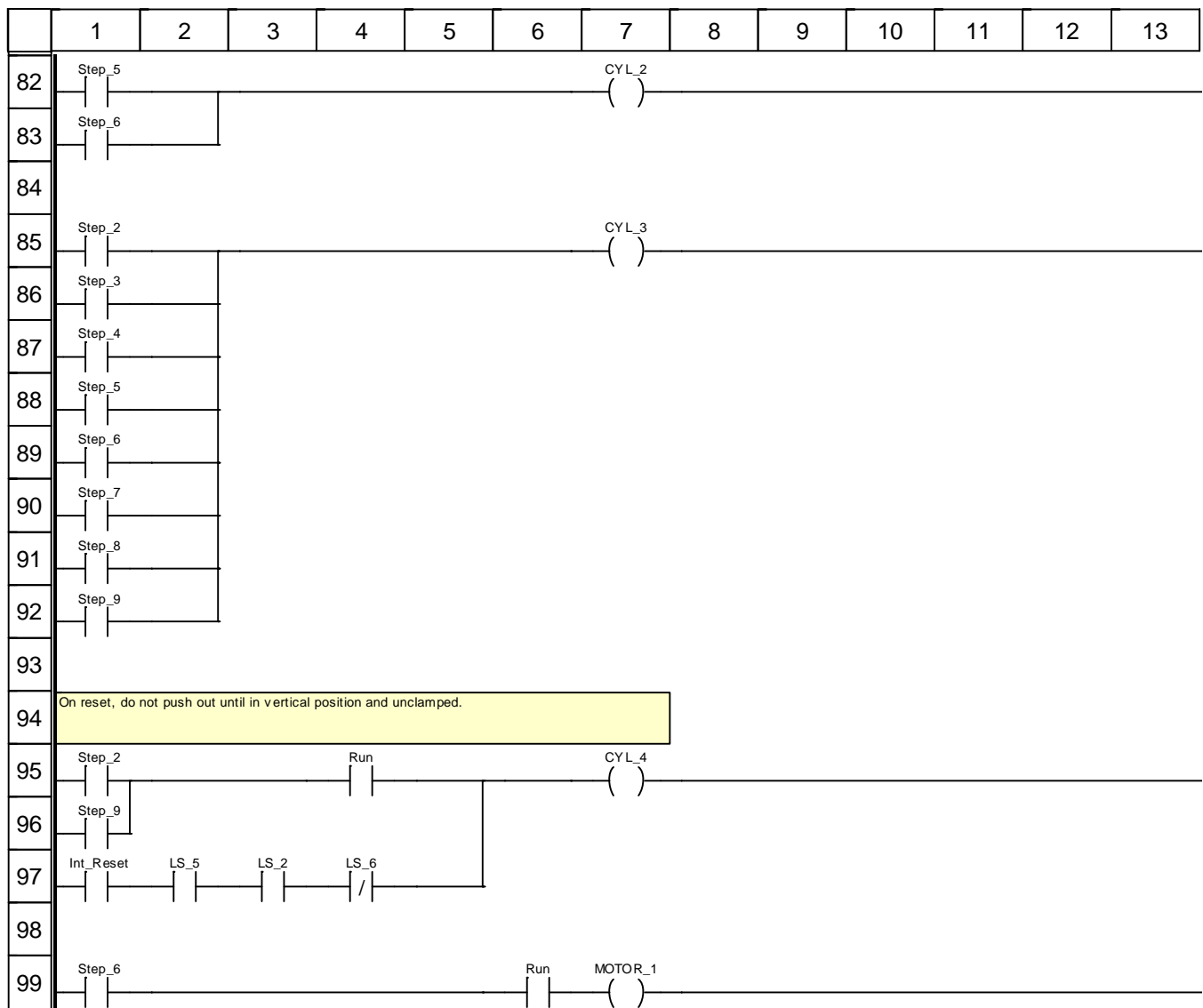
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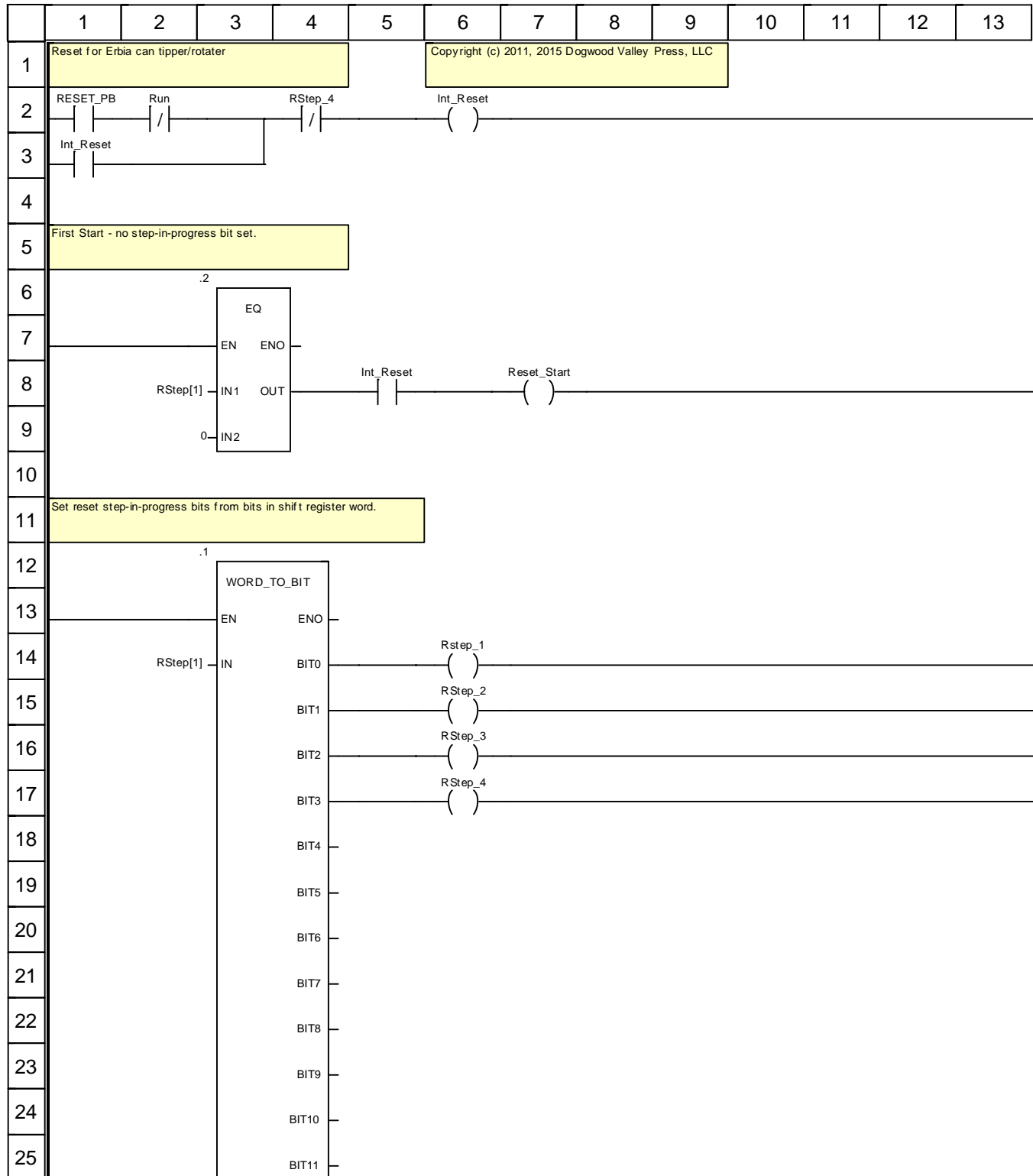


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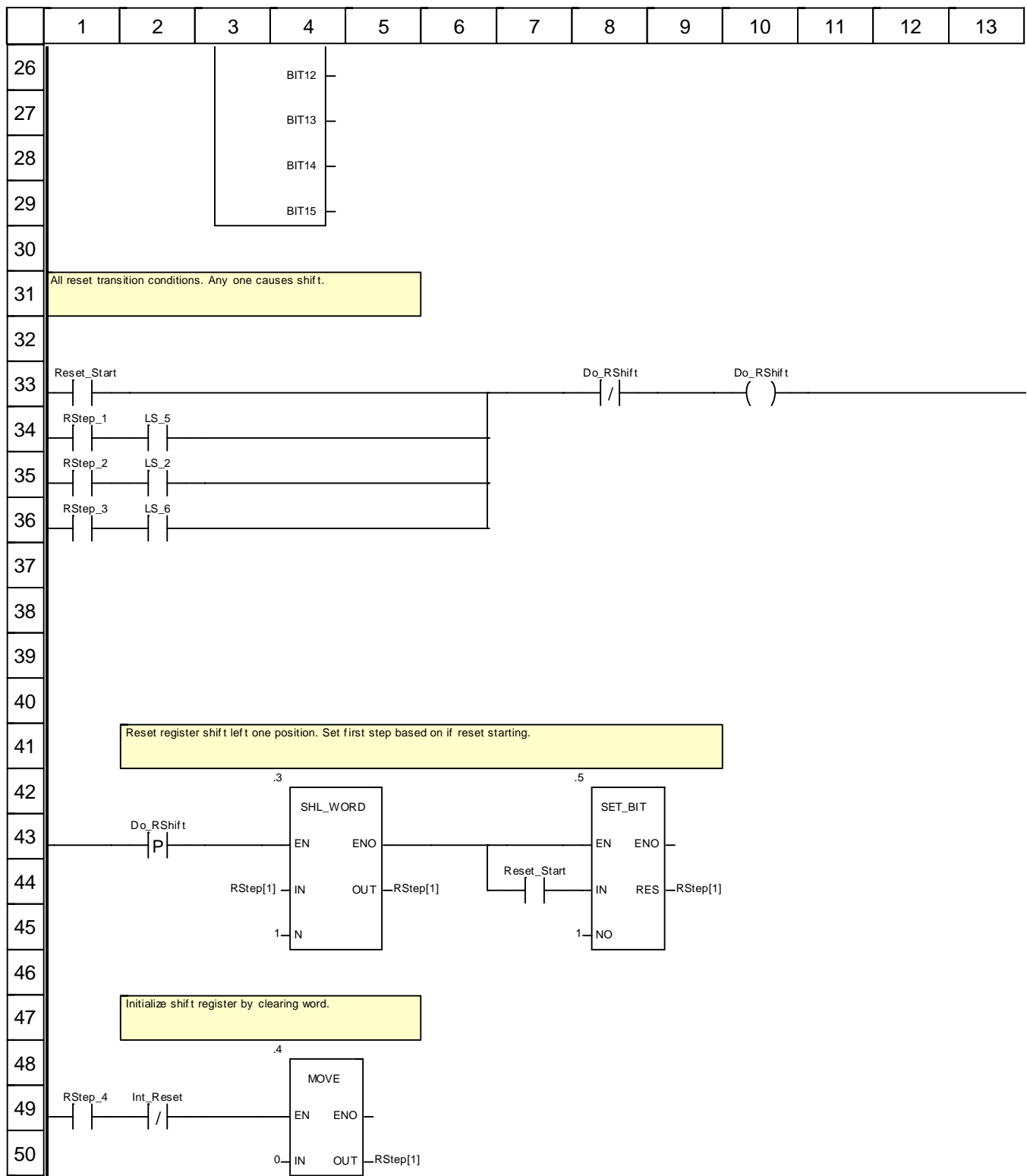


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Reset : [MAST]

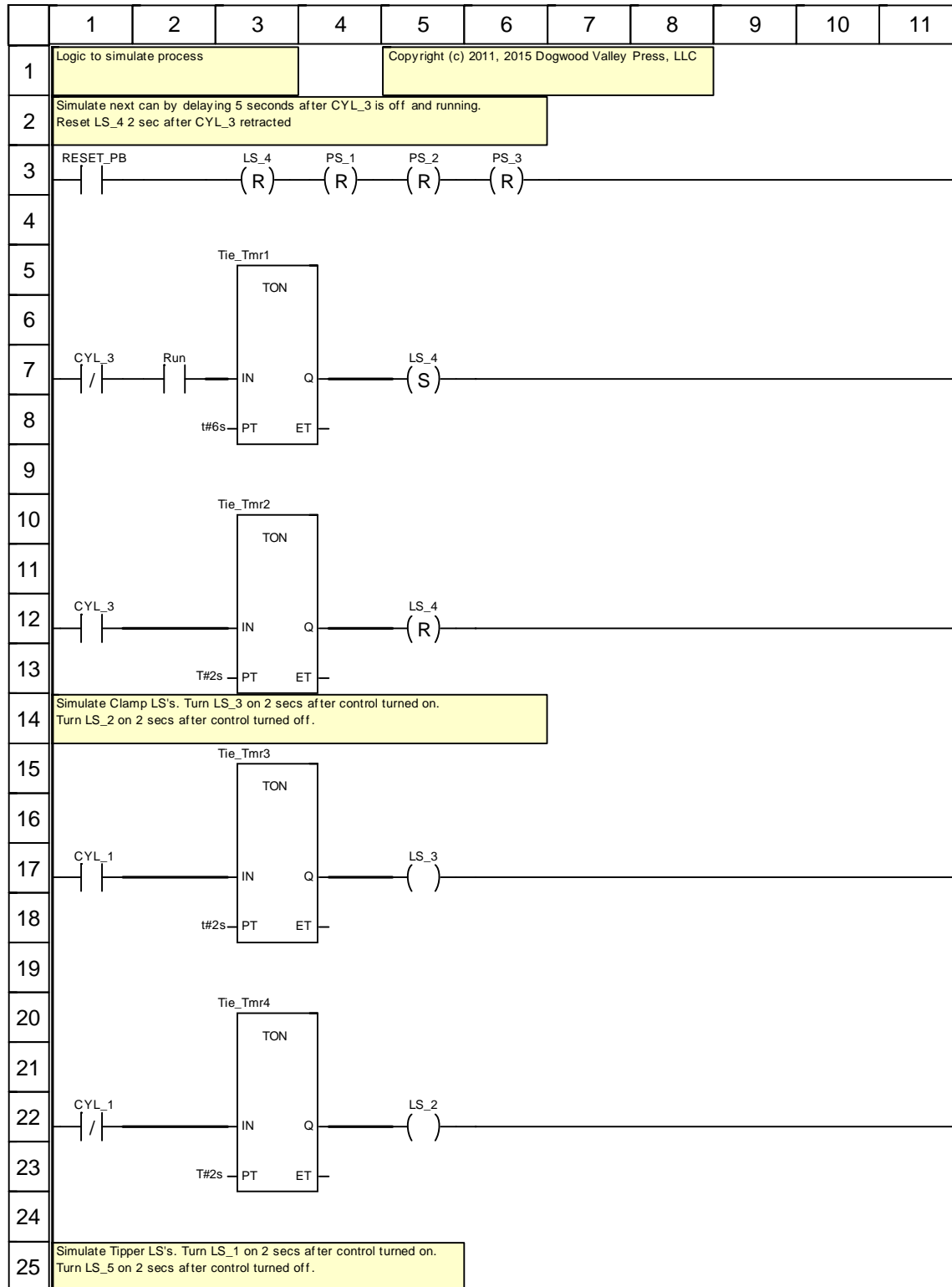


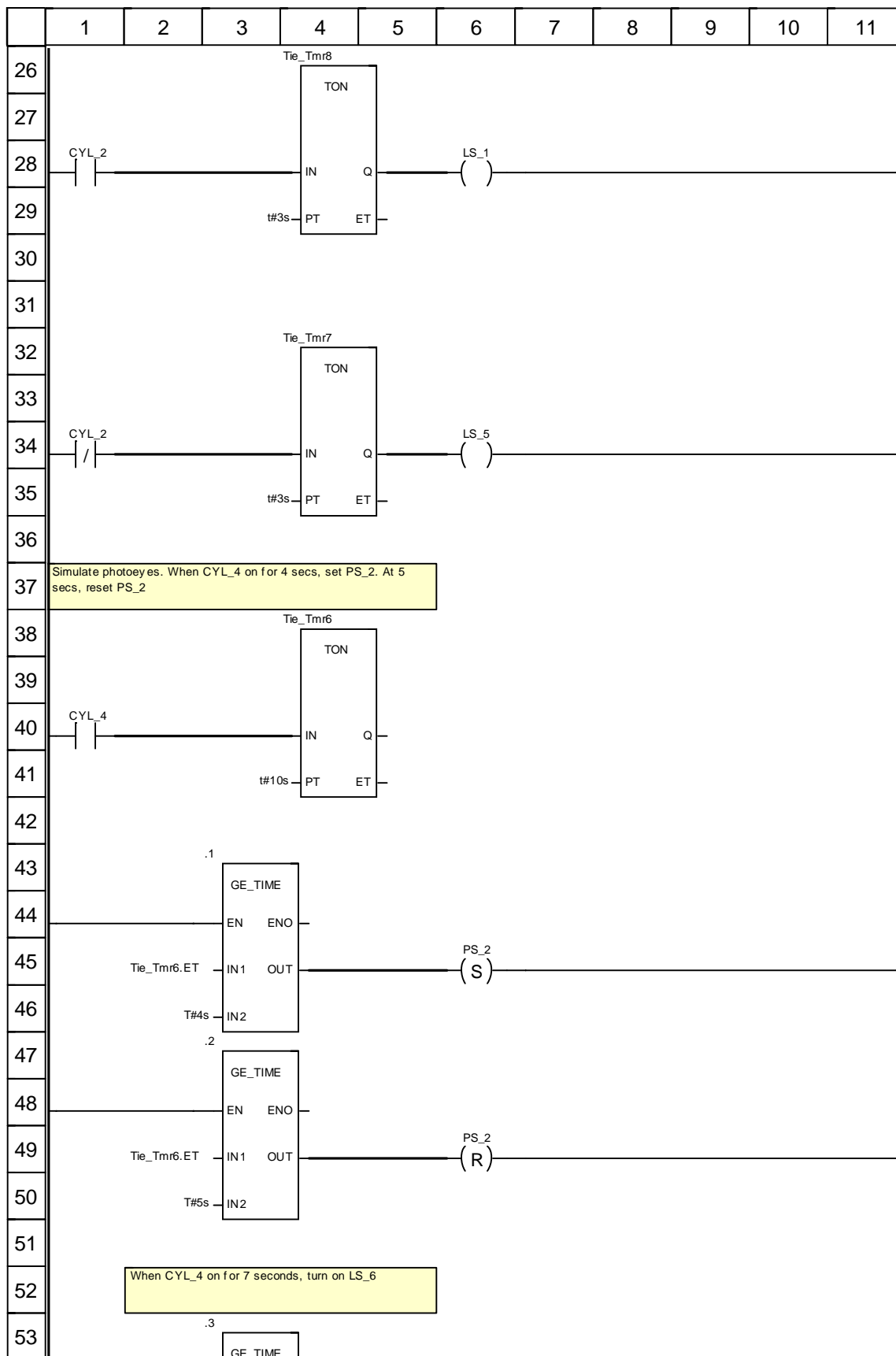
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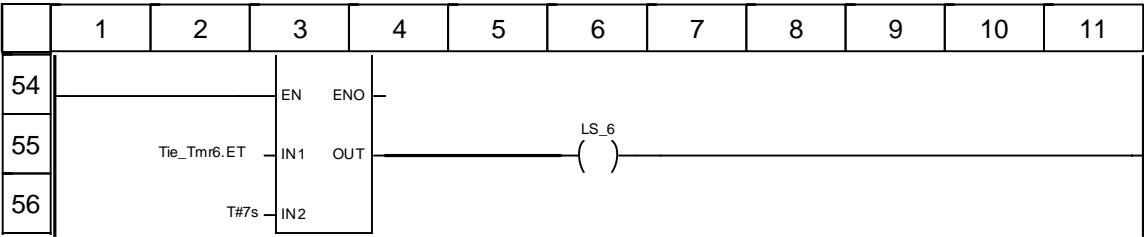


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Simulation : [MAST]







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 41, c: 3)	R
		(l 39, c: 4)	FC
Blend_Tmr	Main : [MAST]	(l 39, c: 7)	FC
CYL_1	Main : [MAST]	(l 76, c: 7)	W
	Simulation : [MAST]	(l 17, c: 1)	R
		(l 22, c: 1)	R
CYL_2	Main : [MAST]	(l 82, c: 7)	W
	Simulation : [MAST]	(l 28, c: 1)	R
		(l 34, c: 1)	R
CYL_3	Main : [MAST]	(l 85, c: 7)	W
	Simulation : [MAST]	(l 7, c: 1)	R
		(l 12, c: 1)	R
CYL_4	Main : [MAST]	(l 95, c: 7)	W
	Simulation : [MAST]	(l 40, c: 1)	R
Do_IShift	Main : [MAST]	(l 30, c: 11)	R
		(l 30, c: 12)	W
		(l 58, c: 2)	R
		(l 63, c: 2)	R
Do_RShift	Reset : [MAST]	(l 33, c: 8)	R
		(l 33, c: 10)	W
		(l 43, c: 2)	R
Engage_Tmr	Main : [MAST]	(l 33, c: 4)	FC
First_Start	Main : [MAST]	(l 7, c: 7)	W
		(l 30, c: 1)	R
		(l 64, c: 1)	R
Int_Reset	Main : [MAST]	(l 2, c: 2)	R
		(l 68, c: 1)	R
		(l 80, c: 1)	R
		(l 97, c: 1)	R
	Reset : [MAST]	(l 2, c: 6)	W
		(l 3, c: 1)	R
		(l 8, c: 5)	R
		(l 49, c: 2)	R
IStep	Main : [MAST]	(l 5, c: 2)	R
		(l 10, c: 3)	R
		(l 57, c: 4)	R
		(l 57, c: 4)	W
		(l 62, c: 4)	W
		(l 67, c: 4)	W
LS_1	Main : [MAST]	(l 31, c: 6)	R
		(l 38, c: 2)	R
	Simulation : [MAST]	(l 28, c: 6)	W
LS_2	Main : [MAST]	(l 31, c: 7)	R
		(l 46, c: 2)	R
		(l 97, c: 3)	R

Cross References

Object	Referred into	Location	Usage
	Simulation : [MAST]	(l 22, c: 5)	W
	Reset : [MAST]	(l 35, c: 2)	R
LS_3	Main : [MAST]	(l 37, c: 2)	R
	Simulation : [MAST]	(l 17, c: 5)	W
LS_4	Main : [MAST]	(l 31, c: 2)	R
	Simulation : [MAST]	(l 3, c: 3)	W
		(l 7, c: 5)	W
		(l 12, c: 5)	W
LS_5	Main : [MAST]	(l 45, c: 2)	R
		(l 80, c: 2)	R
		(l 97, c: 2)	R
	Simulation : [MAST]	(l 34, c: 6)	W
	Reset : [MAST]	(l 34, c: 2)	R
LS_6	Main : [MAST]	(l 47, c: 2)	R
		(l 97, c: 4)	R
	Simulation : [MAST]	(l 55, c: 6)	W
	Reset : [MAST]	(l 36, c: 2)	R
MOTOR_1	Main : [MAST]	(l 99, c: 7)	W
PS_1	Main : [MAST]	(l 31, c: 3)	R
		(l 32, c: 3)	R
	Simulation : [MAST]	(l 3, c: 4)	W
PS_2	Main : [MAST]	(l 31, c: 4)	R
		(l 32, c: 2)	R
	Simulation : [MAST]	(l 3, c: 5)	W
		(l 45, c: 6)	W
		(l 49, c: 6)	W
PS_3	Main : [MAST]	(l 31, c: 5)	R
	Simulation : [MAST]	(l 3, c: 6)	W
RESET_PB	Simulation : [MAST]	(l 3, c: 1)	R
	Reset : [MAST]	(l 2, c: 1)	R
Reset_Start	Reset : [MAST]	(l 8, c: 7)	W
		(l 33, c: 1)	R
		(l 44, c: 7)	R
RStep	Reset : [MAST]	(l 6, c: 3)	R
		(l 12, c: 3)	R
		(l 42, c: 4)	R
		(l 42, c: 4)	W
		(l 42, c: 8)	W
		(l 48, c: 4)	W
RStep_1	Reset : [MAST]	(l 14, c: 6)	W
		(l 34, c: 1)	R
RStep_2	Reset : [MAST]	(l 15, c: 6)	W
		(l 35, c: 1)	R
RStep_3	Reset : [MAST]	(l 16, c: 6)	W
		(l 36, c: 1)	R
RStep_4	Reset : [MAST]	(l 2, c: 4)	R
		(l 17, c: 6)	W
		(l 49, c: 1)	R
Run	Main : [MAST]	(l 2, c: 5)	W
		(l 3, c: 1)	R
		(l 7, c: 4)	R
		(l 31, c: 8)	R
		(l 35, c: 8)	R
		(l 37, c: 8)	R
		(l 38, c: 8)	R

Cross References

Object	Referred into	Location	Usage
		(L 41, c: 2)	R
		(L 45, c: 8)	R
		(L 46, c: 8)	R
		(L 47, c: 8)	R
		(L 95, c: 4)	R
		(L 99, c: 6)	R
	Simulation : [MAST]	(L 7, c: 2)	R
	Reset : [MAST]	(L 2, c: 2)	R
START_PB	Main : [MAST]	(L 2, c: 1)	R
Step_1	Main : [MAST]	(L 12, c: 6)	W
		(L 31, c: 1)	R
Step_2	Main : [MAST]	(L 13, c: 6)	W
		(L 32, c: 1)	R
		(L 85, c: 1)	R
		(L 95, c: 1)	R
Step_3	Main : [MAST]	(L 14, c: 6)	W
		(L 35, c: 1)	R
		(L 86, c: 1)	R
Step_4	Main : [MAST]	(L 15, c: 6)	W
		(L 37, c: 1)	R
		(L 76, c: 1)	R
		(L 87, c: 1)	R
Step_5	Main : [MAST]	(L 16, c: 6)	W
		(L 38, c: 1)	R
		(L 77, c: 1)	R
		(L 82, c: 1)	R
		(L 88, c: 1)	R
Step_6	Main : [MAST]	(L 17, c: 6)	W
		(L 41, c: 1)	R
		(L 43, c: 1)	R
		(L 78, c: 1)	R
		(L 83, c: 1)	R
		(L 89, c: 1)	R
		(L 99, c: 1)	R
Step_7	Main : [MAST]	(L 18, c: 6)	W
		(L 45, c: 1)	R
		(L 79, c: 1)	R
		(L 90, c: 1)	R
Step_8	Main : [MAST]	(L 19, c: 6)	W
		(L 46, c: 1)	R
		(L 91, c: 1)	R
Step_9	Main : [MAST]	(L 20, c: 6)	W
		(L 47, c: 1)	R
		(L 65, c: 1)	R
		(L 92, c: 1)	R
		(L 96, c: 1)	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

Cross References

Object	Referred into	Location	Usage
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
	Reset : [MAST]	(l 6, c: 3)	FC
eq_word	Main : [MAST]	(l 5, c: 2)	FC
	Reset : [MAST]	(l 6, c: 3)	FC
ge_time	Simulation : [MAST]	(l 53, c: 3)	FC
		(l 43, c: 3)	FC
		(l 47, c: 3)	FC
move	Main : [MAST]	(l 67, c: 4)	FC
	Reset : [MAST]	(l 48, c: 4)	FC
set_bit	Main : [MAST]	(l 62, c: 4)	FC
	Reset : [MAST]	(l 42, c: 8)	FC
shl_word	Main : [MAST]	(l 57, c: 4)	FC
	Reset : [MAST]	(l 42, c: 4)	FC
word_to_bit	Main : [MAST]	(l 10, c: 3)	FC
	Reset : [MAST]	(l 12, c: 3)	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