

FB260 - <offline>

"FS_Motion"

Name:
Author:

Time stamp Code:
Interface:
Lengths (block/logic/data):

Family:
Version: 1.5
Block version: 2
03/19/2014 05:40:28 PM
10/09/2012 03:28:59 PM
01758 01384 00014

Object properties:
S7_language

9(2) English (United Kingdom) 02/12/2013 01:45:04 PM

Name	Data Type	Address	Initial Value	Comment
IN		0.0		
iInput_Power_On	Bool	0.0	FALSE	Input Power On
iMotionPowerOn	Bool	0.1	FALSE	All Power Requirements For Motion Are On
iManual_Mode	Bool	0.2	FALSE	Manual Mode Active
iAuto_Cycle	Bool	0.3	FALSE	Auto Cycle Active
iSemi_Auto	Bool	0.4	FALSE	Semi Auto Mode Active
iFault_Reset	Bool	0.5	FALSE	Fault Reset
iClear_To_Advance	Bool	0.6	FALSE	Clear To Advance
iAdvanced_Prx	Bool	0.7	FALSE	Advanced Prox
iAdvance_Auto	Bool	1.0	FALSE	Advance Auto Conditions
iAdvance_Manual	Bool	1.1	FALSE	Advance Manual Command
iClear_To_Return	Bool	1.2	FALSE	Clear To Return
iReturned_Prx	Bool	1.3	FALSE	Returned Prox
iReturn_Auto	Bool	1.4	FALSE	Return Auto Conditions
iReturn_Manual	Bool	1.5	FALSE	Return Manual Command
iOutputNotReqdForInPosn	Bool	1.6	FALSE	Allow In Posn Status Without Output
iPreset_Time	Time	2.0	T#OMS	Motion Advance & Return Preset
iAdvDelay	Time	6.0	T#OMS	Advanced Delay
iRetDelay	Time	10.0	T#OMS	Returned Delay
iClockBit	Bool	14.0	FALSE	Flash Rate Bit
iLatchWhenInPosnConfig	Bool	14.1	FALSE	Latch Output On When In Posn Reached. Default = TRUE
iEnergizeAtPwrOnPlsConf	Bool	14.2	FALSE	Energize Output When In Posn & Pwr On Pulse. Default = TRUE
iSwNotLeftFltDelay	Time	16.0	T#OMS	Switch Not Left Fault Delay
iSwFaultDelay	Time	20.0	T#OMS	Switch Fault Delay
iStartCyclePB	Bool	24.0	FALSE	
OUT		0.0		
qAdvance_Cmd	Bool	26.0	FALSE	
qAdvanced_Complete	Bool	26.1	FALSE	

Name	Data Type	Address	Initial Value	Comment
qAdvance_Prompt	Bool	26.2	FALSE	
qAdvance_TimeOut	Bool	26.3	FALSE	
qAdvance_SwitchNotLeft	Bool	26.4	FALSE	
qAdvanced_LostPosition	Bool	26.5	FALSE	
qAdvance_Time	Int	28.0	0	
qReturn_Cmd	Bool	30.0	FALSE	
qReturn_Complete	Bool	30.1	FALSE	
qReturn_Prompt	Bool	30.2	FALSE	
qReturn_TimeOut	Bool	30.3	FALSE	
qReturn_SwitchNotLeft	Bool	30.4	FALSE	
qReturn_LostPosition	Bool	30.5	FALSE	
qReturn_Time	Int	32.0	0	
qSwitch_Fault	Bool	34.0	FALSE	
IN_OUT		0.0		
STAT		0.0		
Cyl_Motion_Timer	SFB 4	36.0		
Null_Timer	SFB 4	58.0		
sAdv_MotionTime_Save	Time	80.0	T#OMS	
sRet_MotionTime_Save	Time	84.0	T#OMS	
sAdv_Cyl_Request	Bool	88.0	FALSE	
sRet_Cyl_Request	Bool	88.1	FALSE	
sAdv_Promt_Dispatch_Semi	Bool	88.2	FALSE	
sRet_Promt_Dispatch_Semi	Bool	88.3	FALSE	
sAdv_Clear_Dispatch_Man	Bool	88.4	FALSE	
sRet_Clear_Dispatch_Man	Bool	88.5	FALSE	
sAdv_EndPositionReached	Bool	88.6	FALSE	
sRet_EndPositionReached	Bool	88.7	FALSE	
sED_AdvanceCmd	Bool	89.0	FALSE	
sED_ReturnCmd	Bool	89.1	FALSE	
sED_AirOn	Bool	89.2	FALSE	
sAirOnPulse	Bool	89.3	FALSE	
sElapsedTime	Time	90.0	T#OMS	
AdvDelayTimer	SFB 4	94.0		Advanced Delay Timer
RetDelayTimer	SFB 4	116.0		Return Posn Delay Timer
sStartCyclePBPulse	Bool	138.0	FALSE	
sStartCyclePBEdge	Bool	138.1	FALSE	
TEMP		0.0		
tFault_EndpositionNotLeft	Bool	0.0		
tFault_TimeOut	Bool	0.1		

Name	Data Type	Address	Initial Value	Comment
tTime	Time	2.0		

Block: FB260 Motion Block for one Device

Revision History

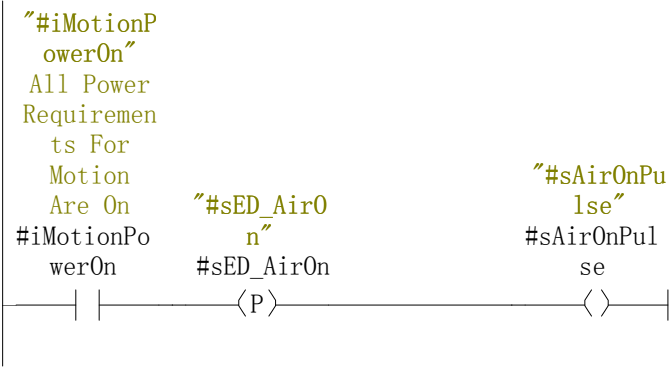
v1.2 - 09/05/2012 - Added iOutputNotReqdForInPosn

v1.3 - 10/09/2012 - Fixed Semi-Auto mode. Added iStartCyclePB.

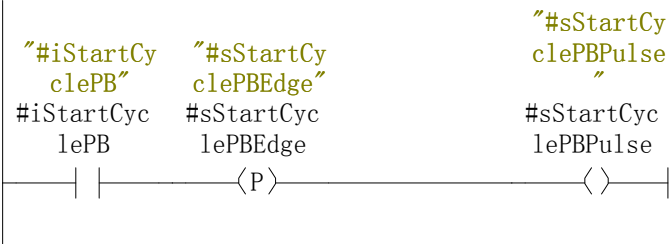
v1.4 - 10/31/2012 - Added branch around command bits from in position status networks to enable the position lost faults when iOutputNotReqdForInPosn is enabled.

v1.5 - 11/12/2012 - Fixed Dropping of LostPosition Faults. Latched Switch Fault.

Network: 1 Air On Pulse

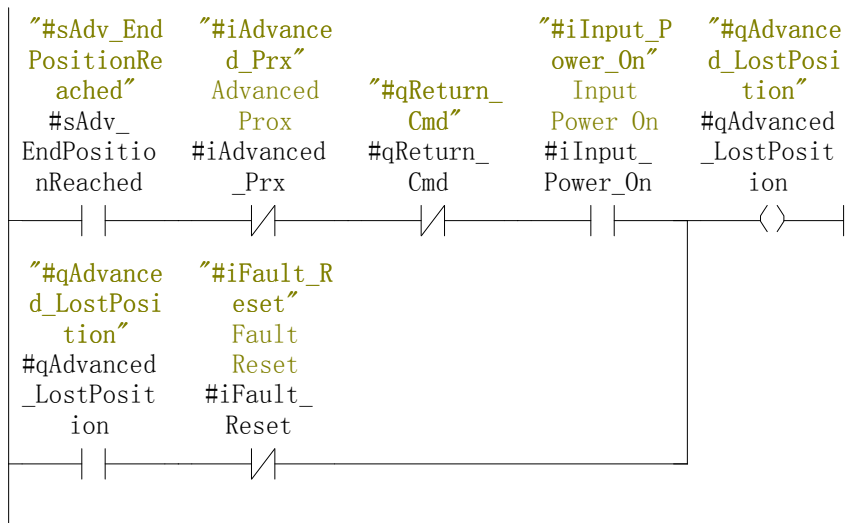


Network: 2



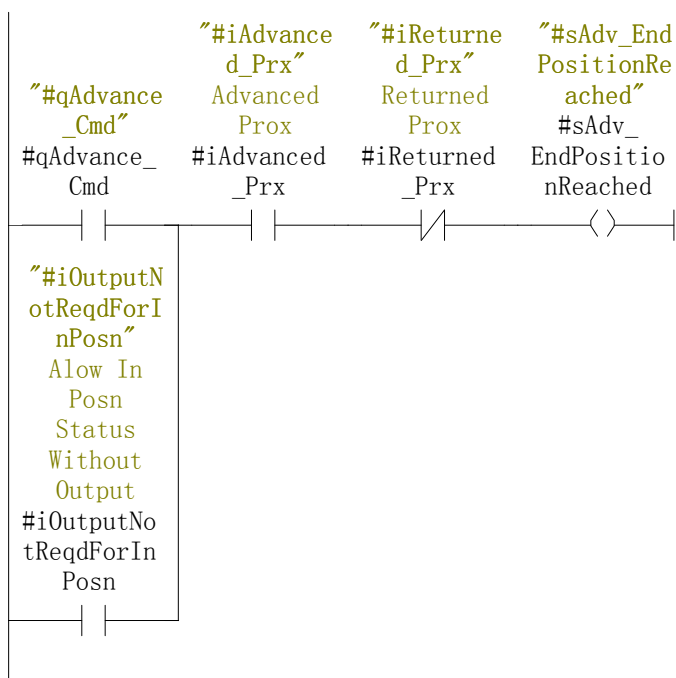
Network: 3

Motion fault Advanced



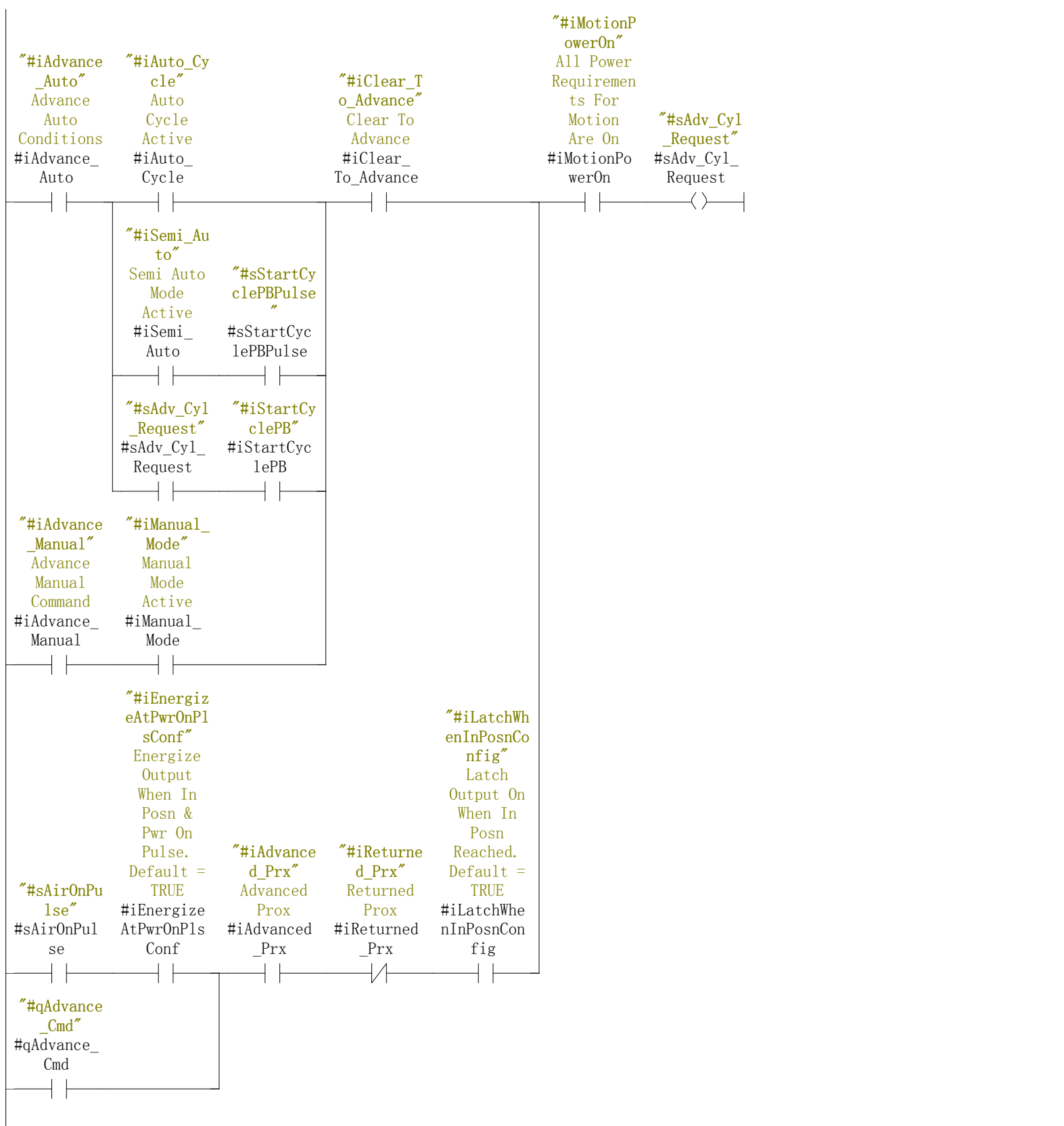
Network: 4

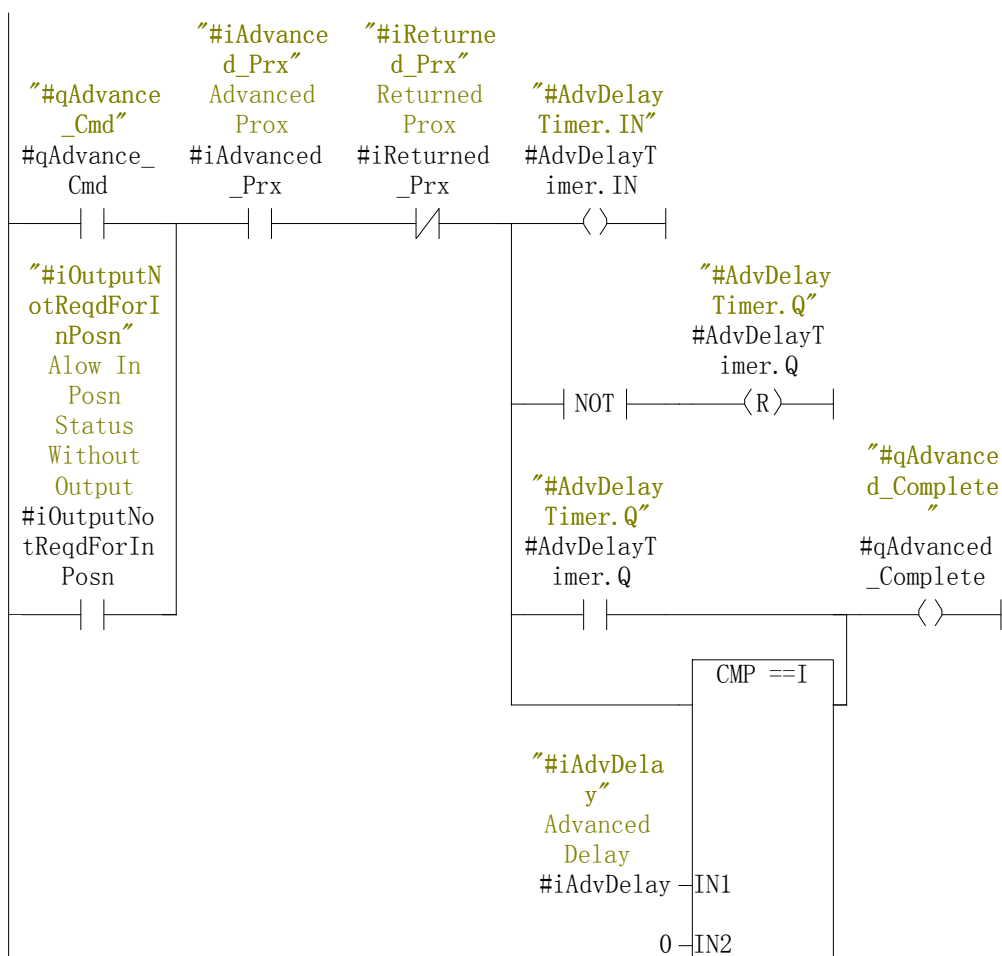
Save that endposition was reached



Network: 5

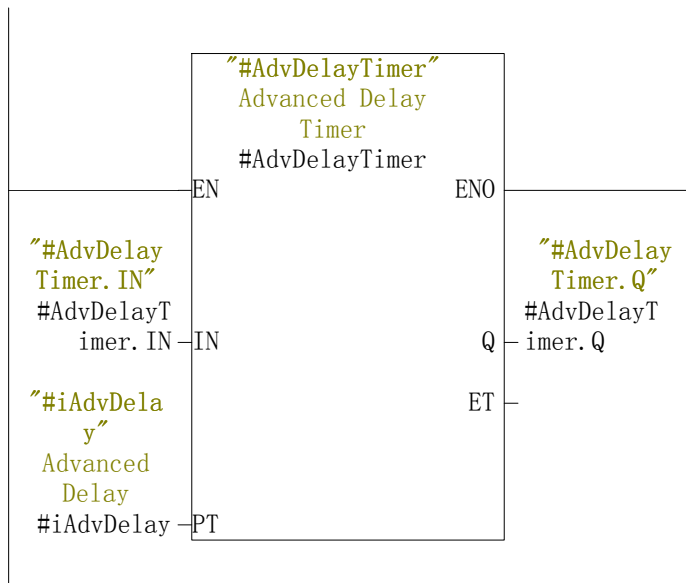
Adv. Solenoid





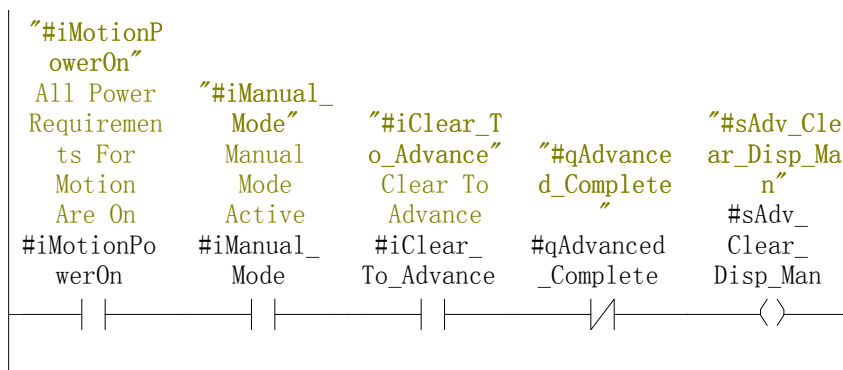
Network: 8

Advanced Posn Delay



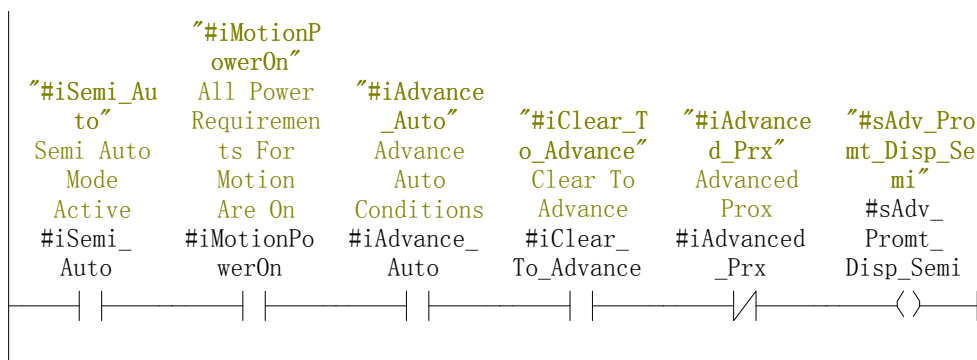
Network: 9

Send Status information for Function Row Number



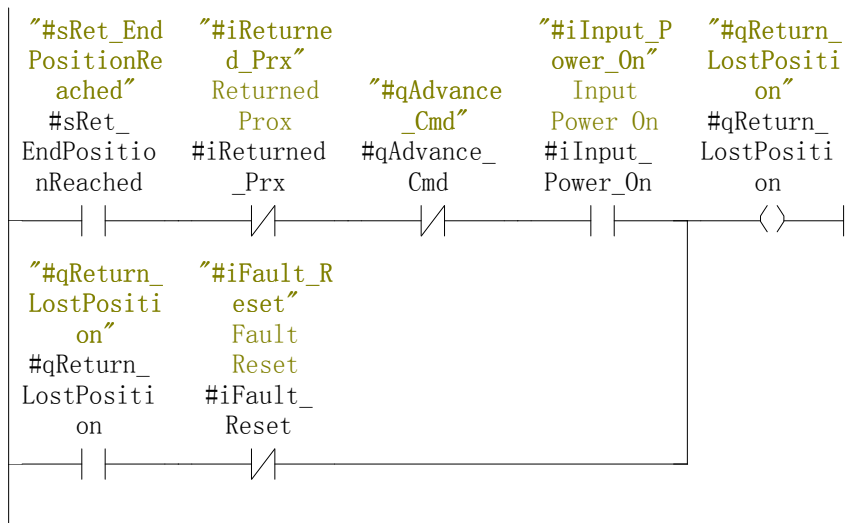
Network: 10

Show next Step in SemiAuto



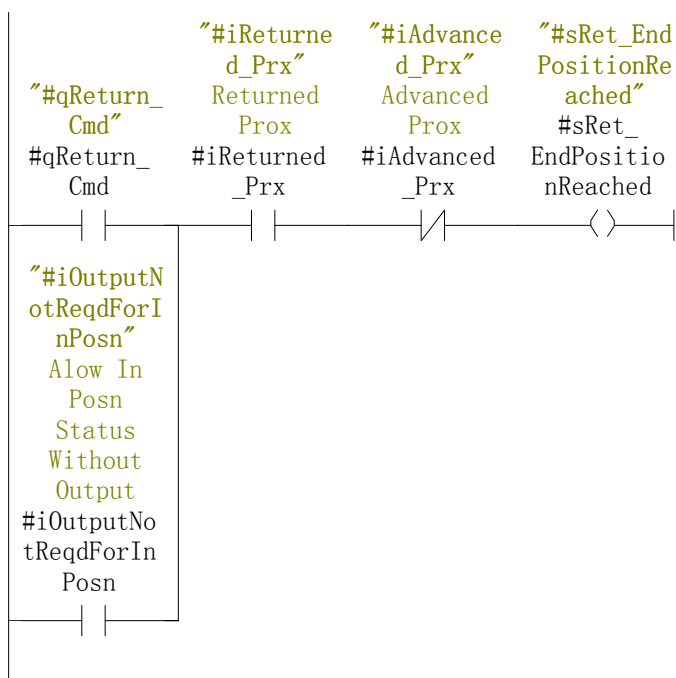
Network: 11

Motion fault Returned Posn Lost



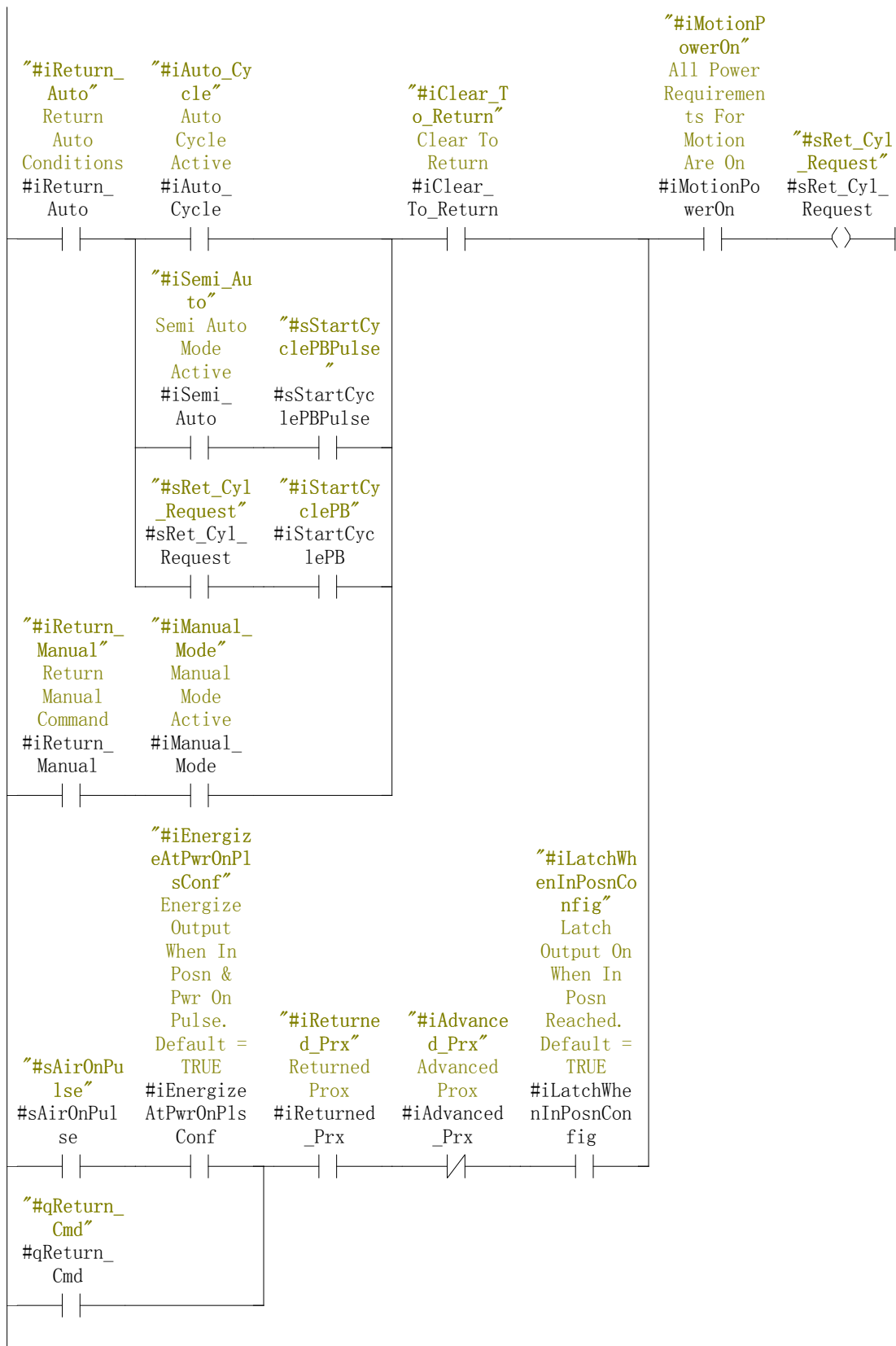
Network: 12

Save that endposition was reached



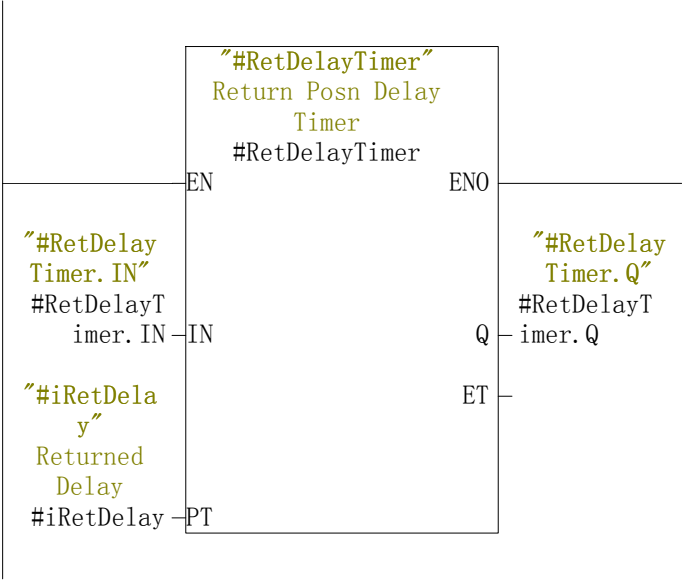
Network: 13

Ret. Solenoid



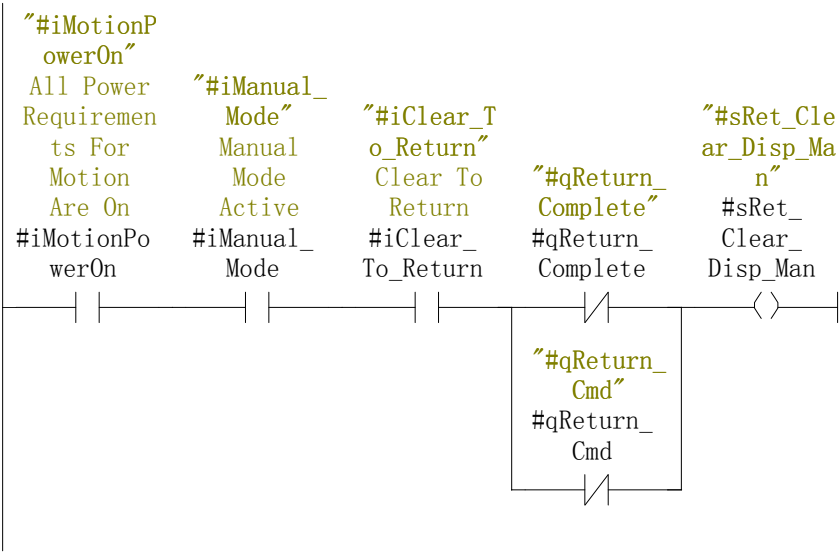
Network: 16

Returned Delay Timer



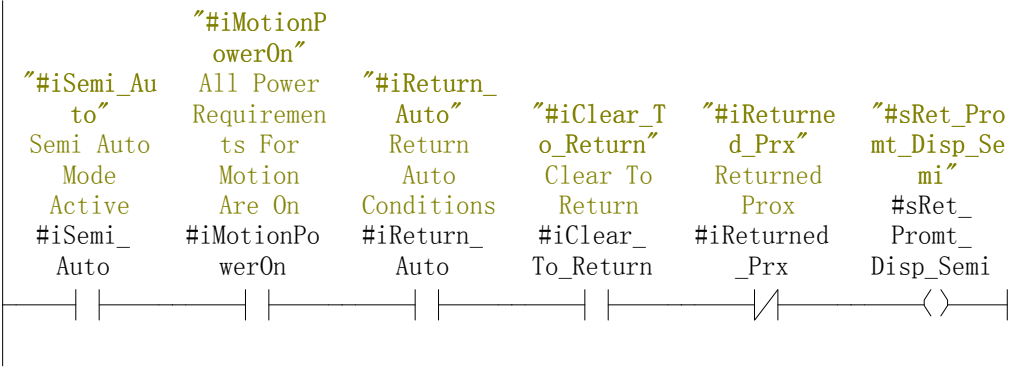
Network: 17

Send Status information for Function Row Number



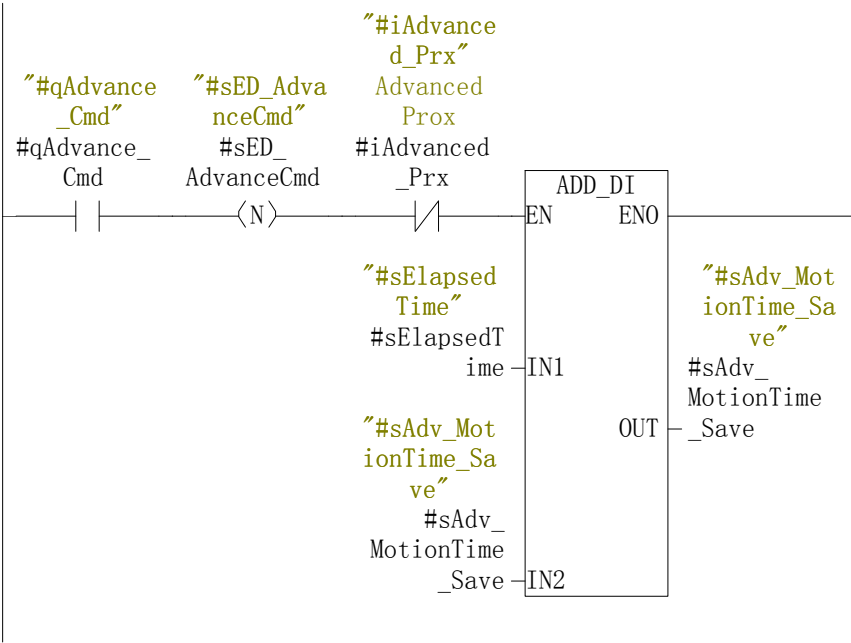
Network: 18

Show next Step in SemiAuto



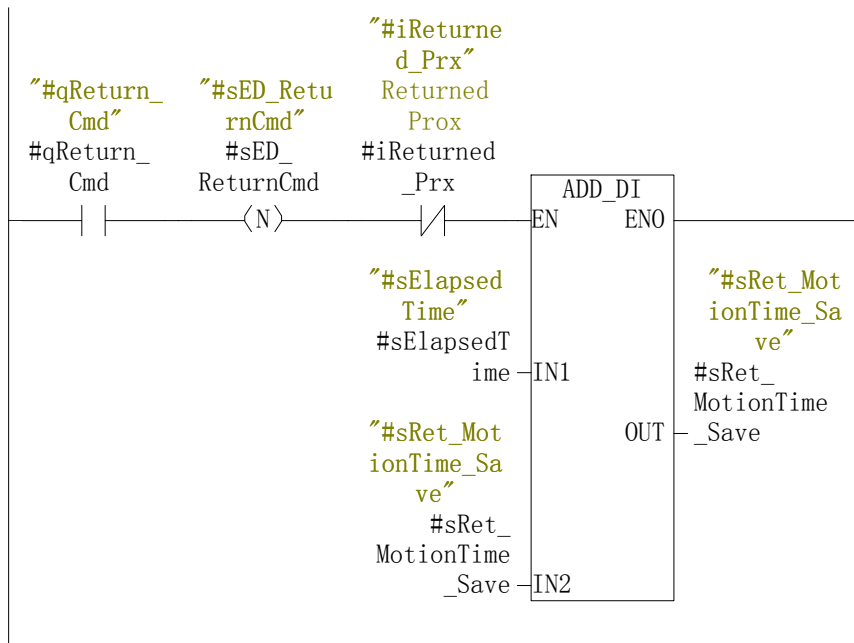
Network: 19

Save Advance Motion Time



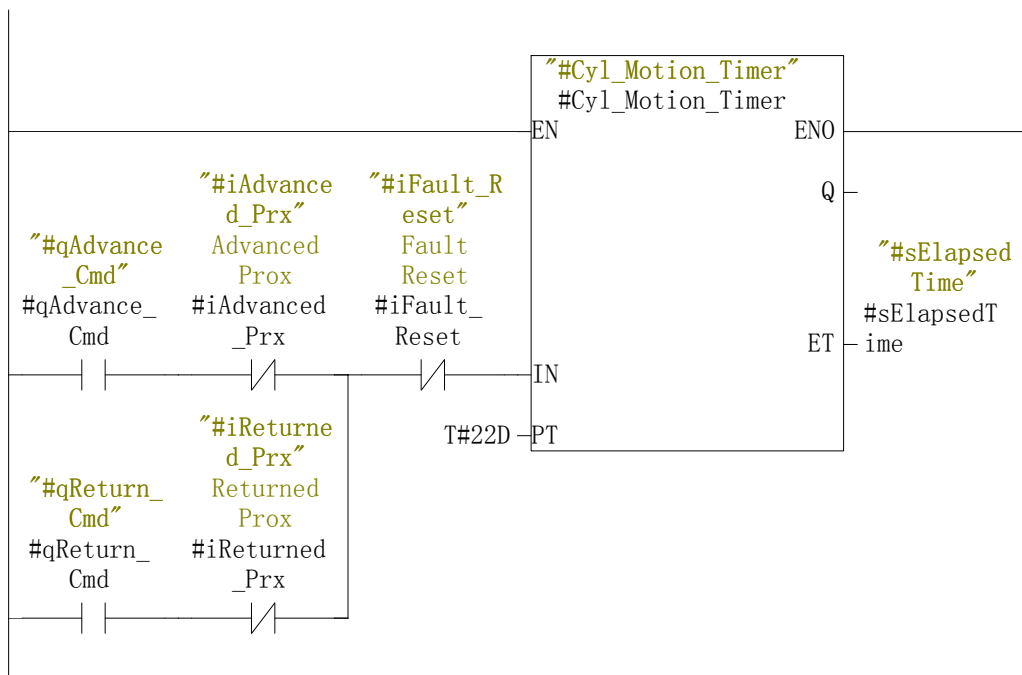
Network: 20

Save Return Motion Time



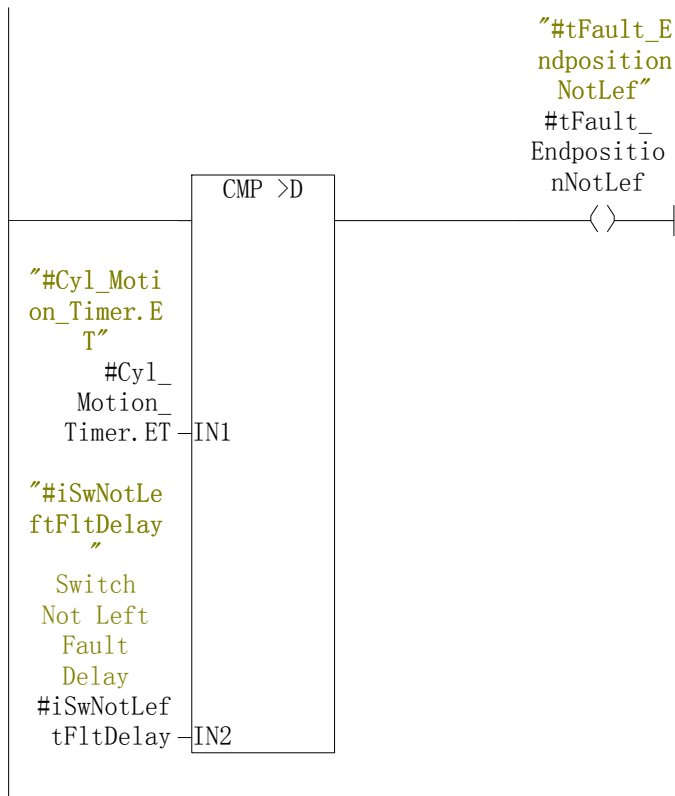
Network: 21

Cylinder Motion Fault Setup



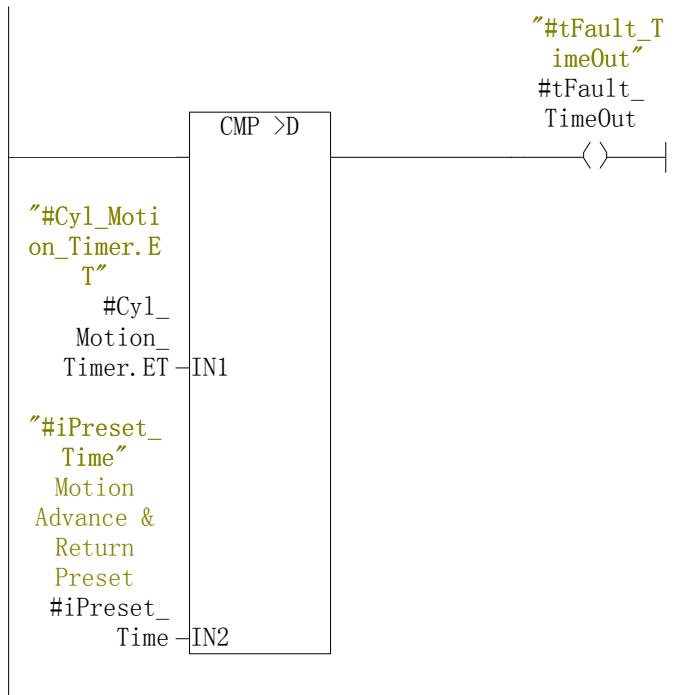
Network: 22

Motion did not reach end position



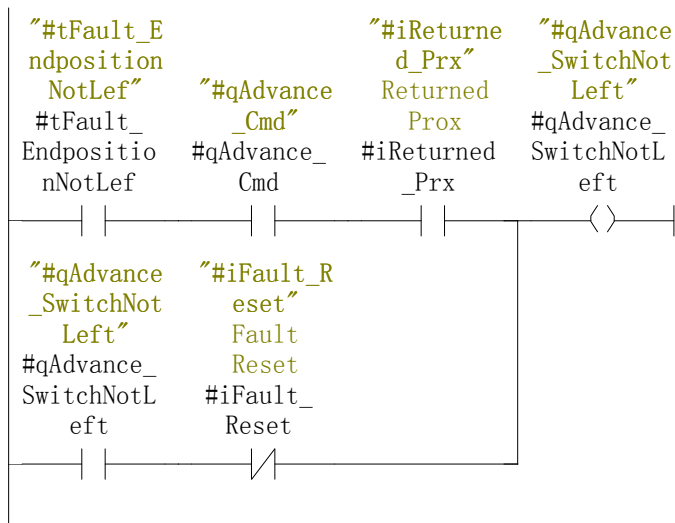
Network: 23

Motion did not reach end position



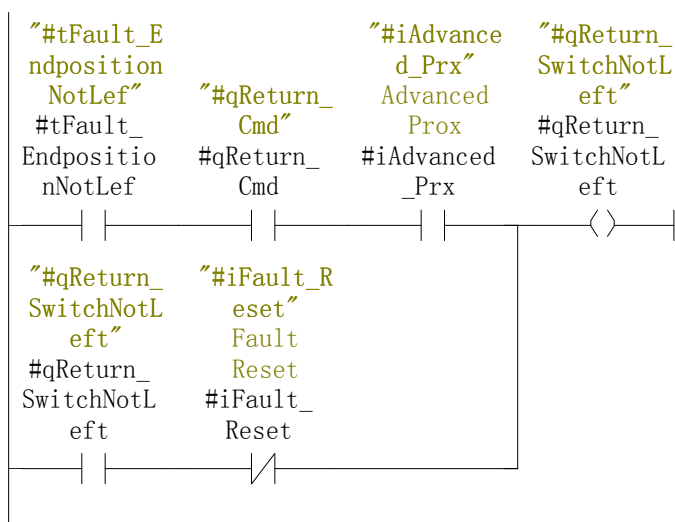
Network: 24

Advance Active - Never Left Returned Switch Fault

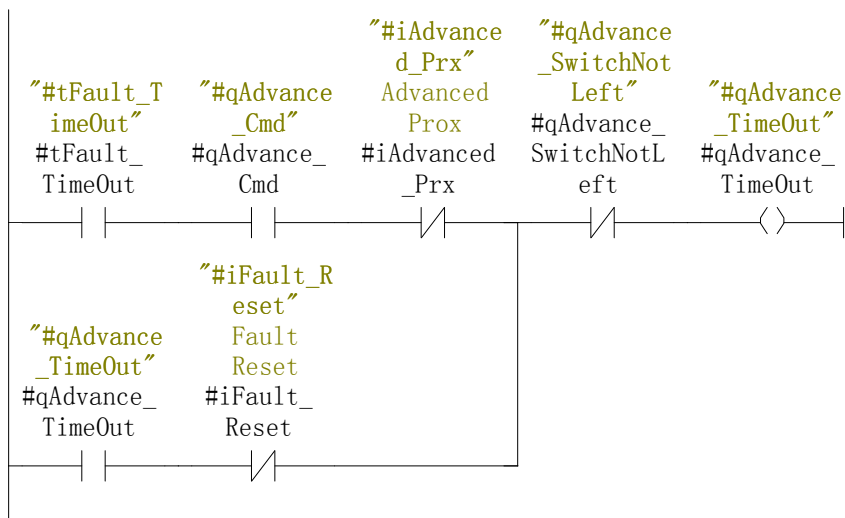


Network: 25

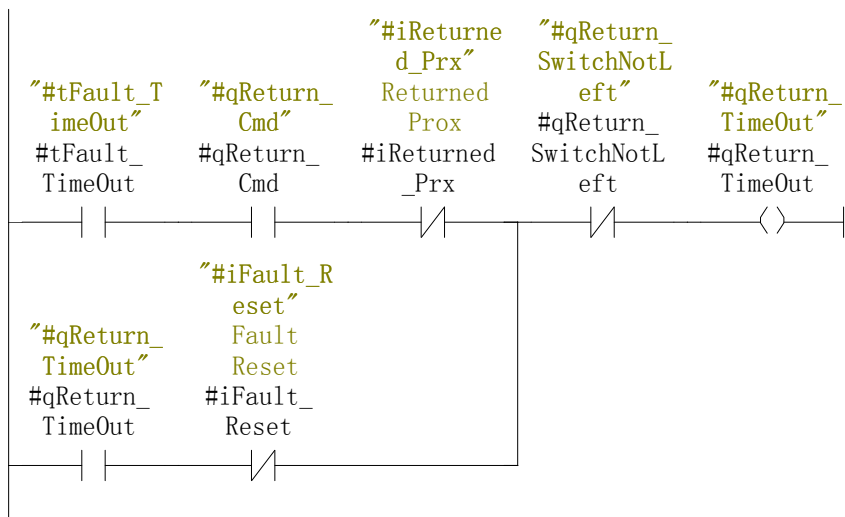
Return Active - Never Left Advd Switch Fault



Network: 26 Not Advanced Motion Fault

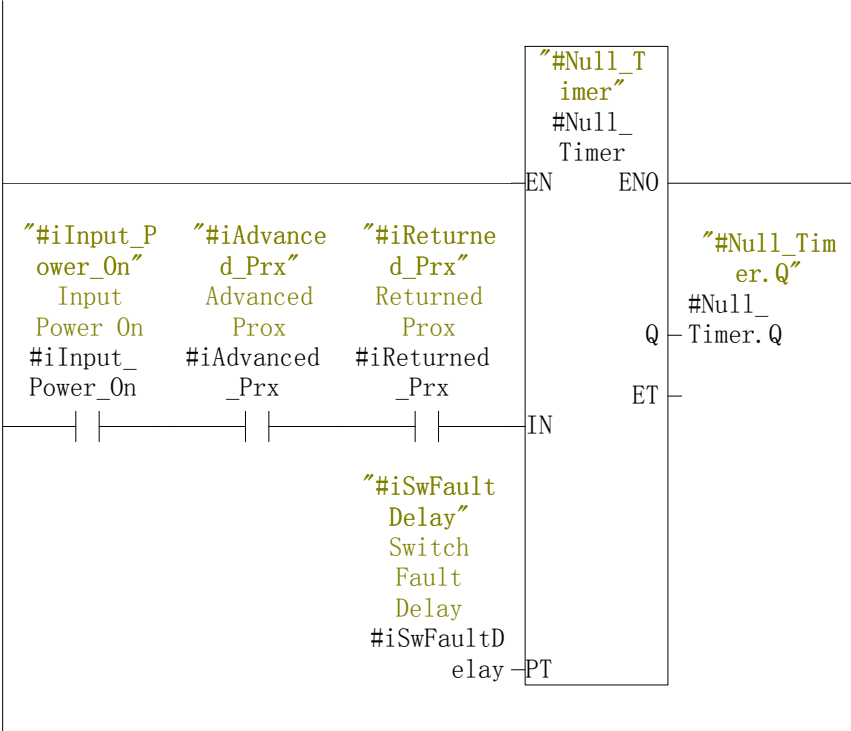


Network: 27 Not Returned Motion fault



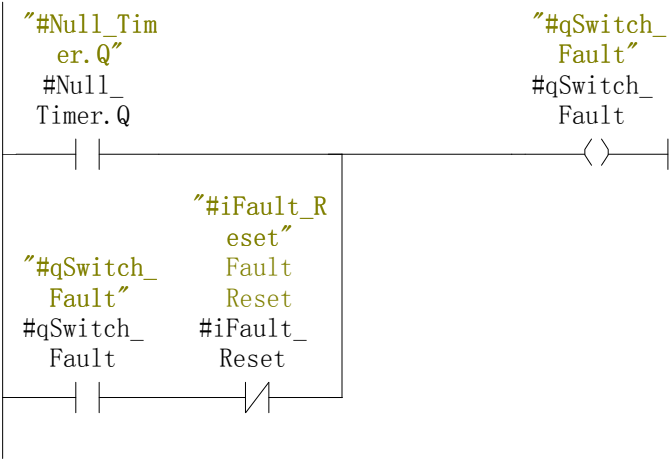
Network: 28

Cylinder Null Positon Warning



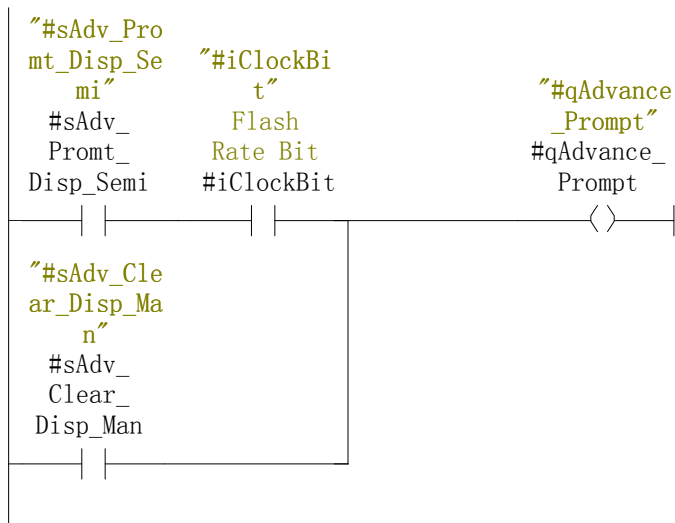
Network: 29

Switch Fault



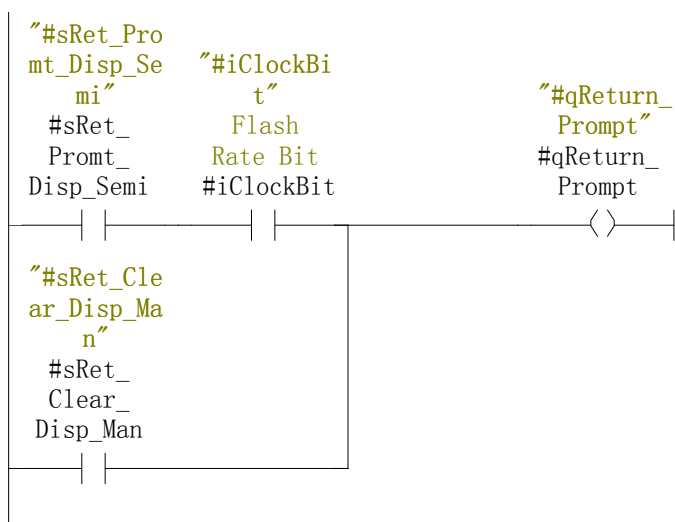
Network: 30

Advance Prompt



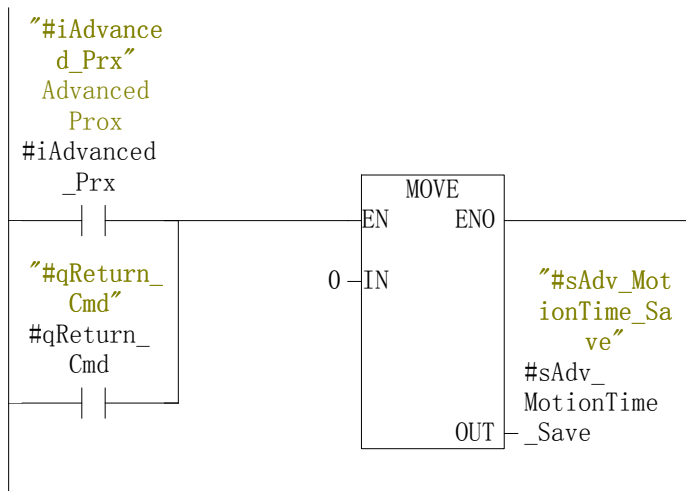
Network: 31

Return Prompt



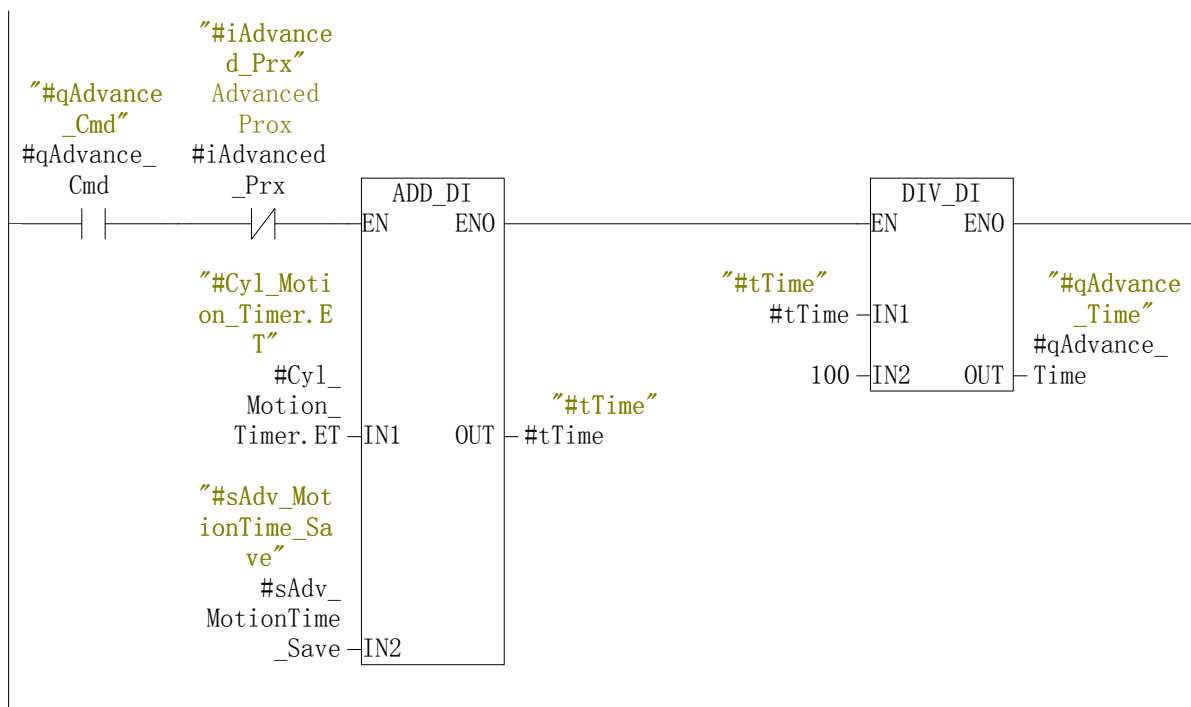
Network: 32

Zero Adv Time



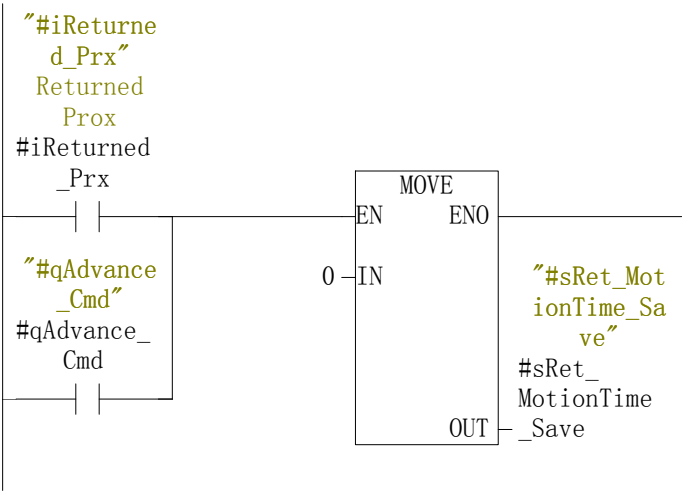
Network: 33

Calculate Adv Time



Network: 34

Zero Return Time



Network: 35

Calculate Return Time

