

RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: ML1100

Total Memory Used: 566 Instruction Words Used - 446 Data Table Words Used

Total Memory Left: 6090 Instruction Words Left

Program Files: 5

Data Files: 15

Program ID: 3f83

I/O Configuration

0	Bul.1763	MicroLogix 1100 Series B
1		
2		
3		
4		

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: ASCII

CHANNEL 0 (SYSTEM) - Driver: ASCII Edit Resource/Owner Timeout: 60
CHANNEL 0 (SYSTEM) - Driver: ASCII Passthru Link ID: 1
CHANNEL 0 (SYSTEM) - Driver: ASCII Write Protected: No
CHANNEL 0 (SYSTEM) - Driver: ASCII Comms Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: ASCII Message Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: ASCII 1st AWA Append Character: \d
CHANNEL 0 (SYSTEM) - Driver: ASCII 2nd AWA Append Character: \a

Baud: 19200
Parity: NONE
Termination Character 1: \d
Termination Character 2: \ff
Control Line : No Handshaking (485 Network)
Delete mode: Ignore
Echo: No
XON/XOFF: No
RTS Off Delay(x20 ms): 0
RTS Send Delay(x20 ms): 0

CHANNEL 1 (SYSTEM) - Driver: Ethernet

CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout: 60
CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID: 1
CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected: No
CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection: Yes
CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection: Yes

Hardware Address: 00:0F:73:01:BA:7B
IP Address: 192.168.1.101
Subnet Mask: 255.0.0.0
Gateway Address: 0.0.0.0
Msg Connection Timeout (x 1mS): 15000
Msg Reply Timeout (x mS): 3000
Inactivity Timeout (x Min): 1
Bootp Enable: No
Dhcp Enable: No
SNMP Enable: No
HTTP Enable: Yes
Auto Negotiate Enable: Yes
Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex
Contact:
Location:

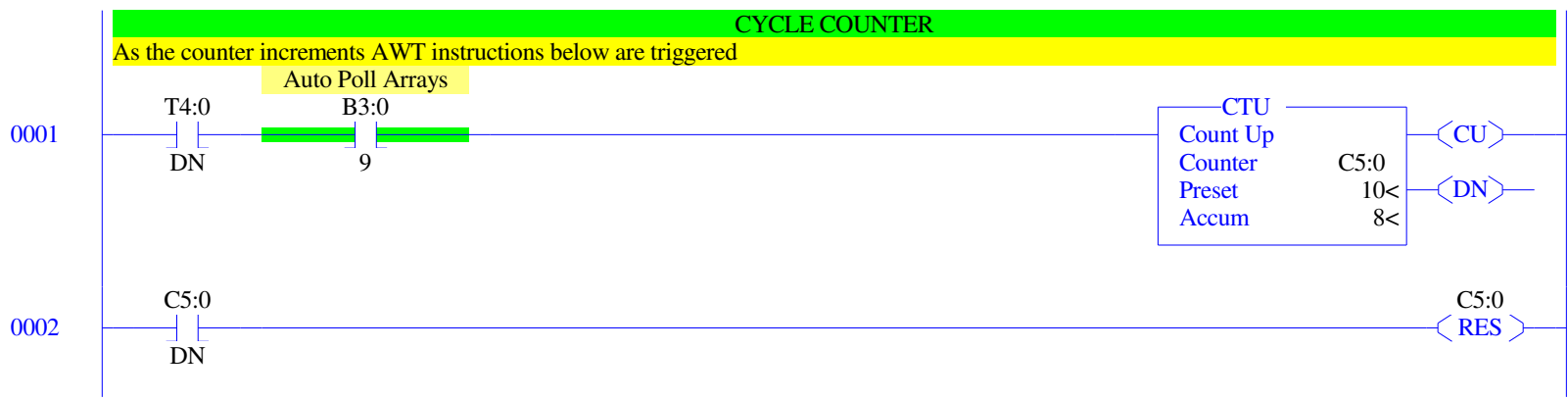
Program File List

Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN_PROG	2	LADDER	36	No	1316
MAKE_INT	4	LADDER	18	No	688
CONVEYOR	5	LADDER	5	No	141

Data File List

Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	12	4	O:3
INPUT	1	I	Global	No	18	6	I:5
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	4	4	B3:3
TIMER	4	T	Global	No	9	3	T4:2
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	30	10	R6:9
INTEGER	7	N	Global	No	20	20	N7:19
FLOAT	8	F	Global	No	2	1	F8:0
MSG	10	MG	Global	No	25	1	MG10:0
RESPONSE	12	N	Global	No	31	31	N12:30
COMMAND	13	N	Global	No	30	30	N13:29
	15	N	Global	No	31	31	N15:30
	16	N	Global	No	63	63	N16:62
ASC_STRNGS	30	ST	Global	No	168	4	ST30:3

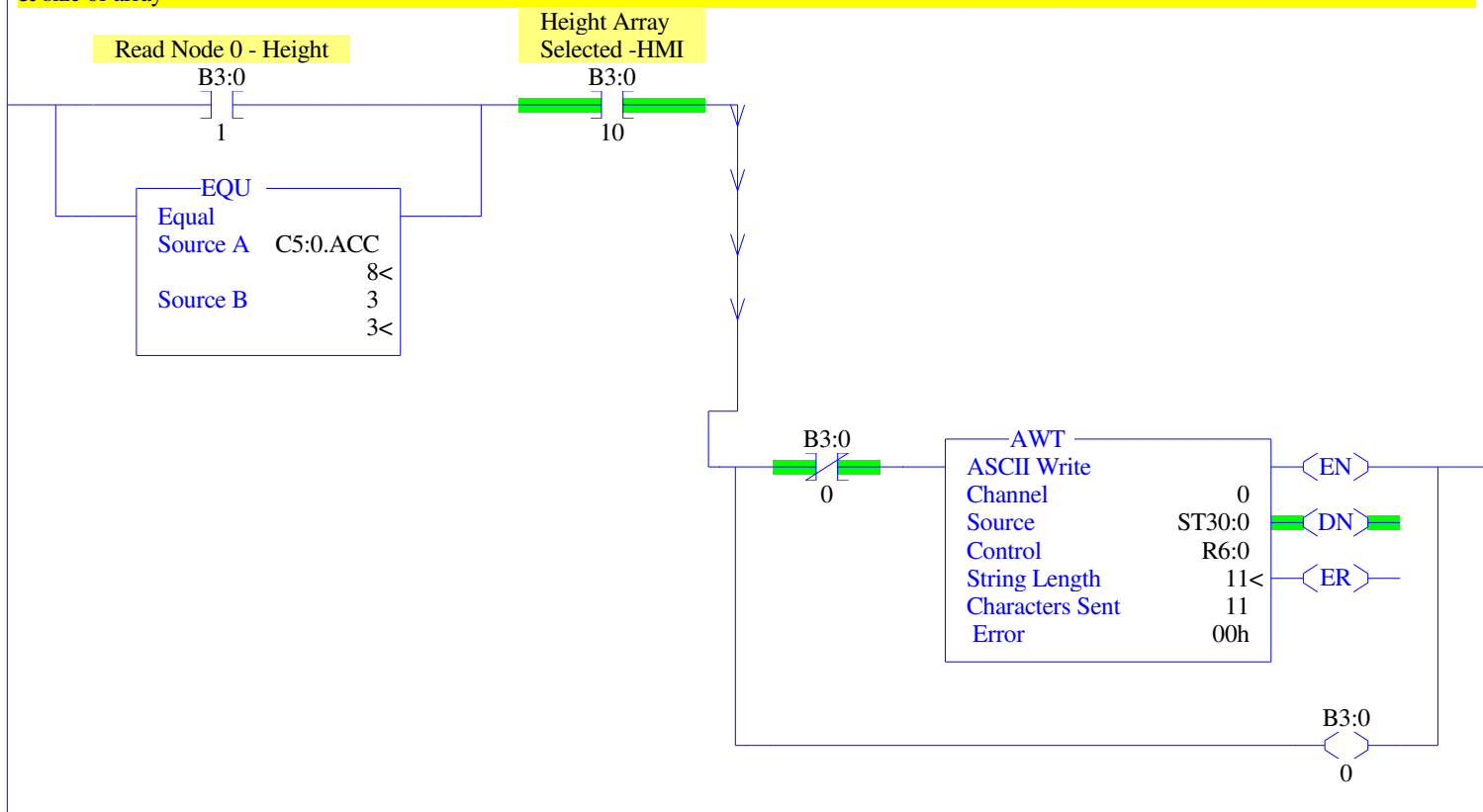




WRITE COMMAND 20 TO HEIGHT ARRAY

Height array @ address 1
command 20 returns array status
Including first, last and number of beams broken
& size of array

0003



WRITE COMMAND 20 TO WIDTH ARRAY

Width array @ address 0
command 20 returns array status
Including first, last and number of beams broken
& size of array

Read Node 1 - Width

Width Array Selected
- HMI

B3:2

B3:0

1

11

EQU

Equal

Source A C5:0.ACC

8<

Source B

6<

6<

B3:2

0

AWT

ASCII Write

Channel

Source

Control

String Length

Characters Sent

Error

0

ST30:2

R6:5

11<

11

00h

EN

DN

ER

B3:2

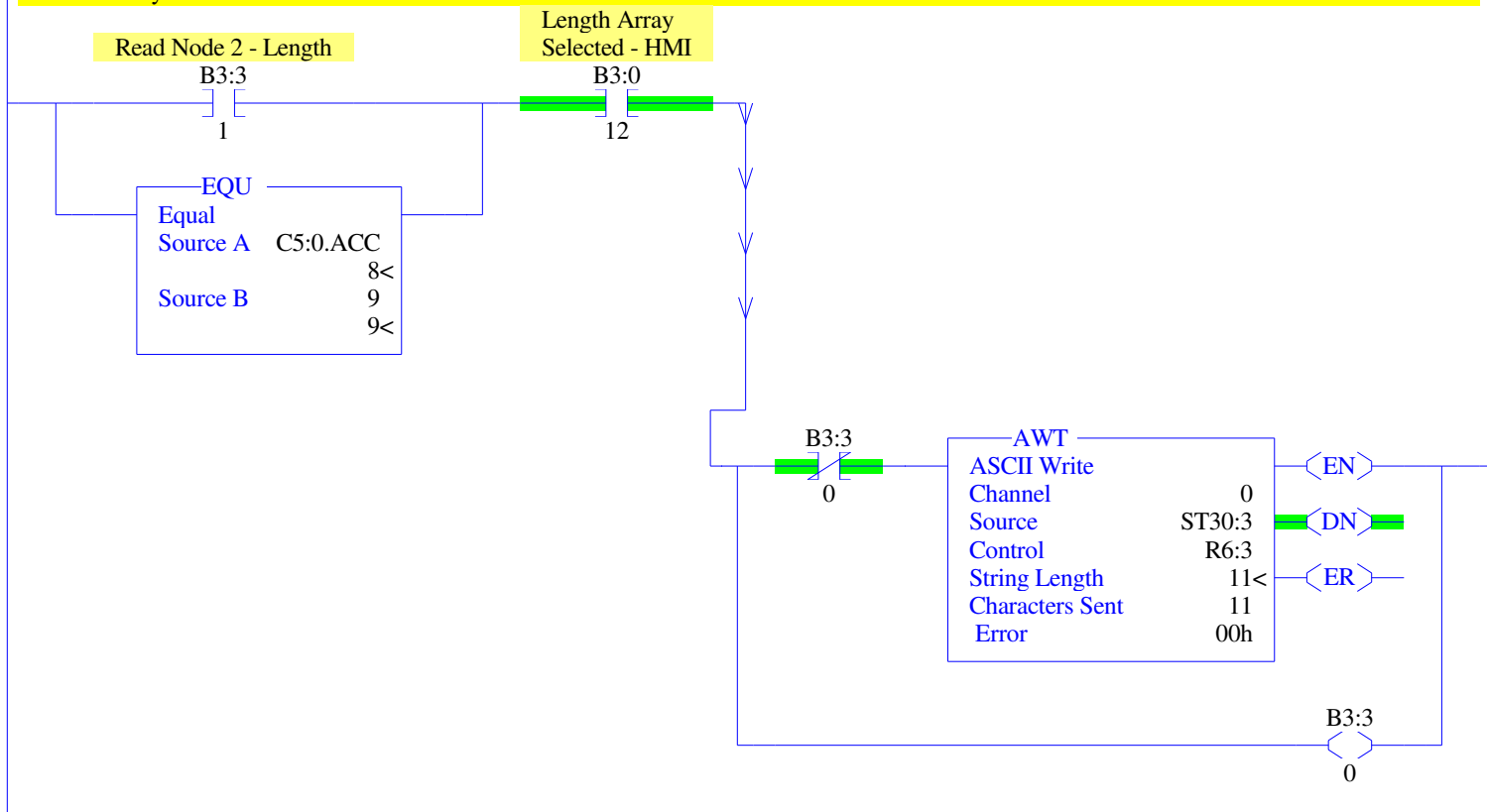
0

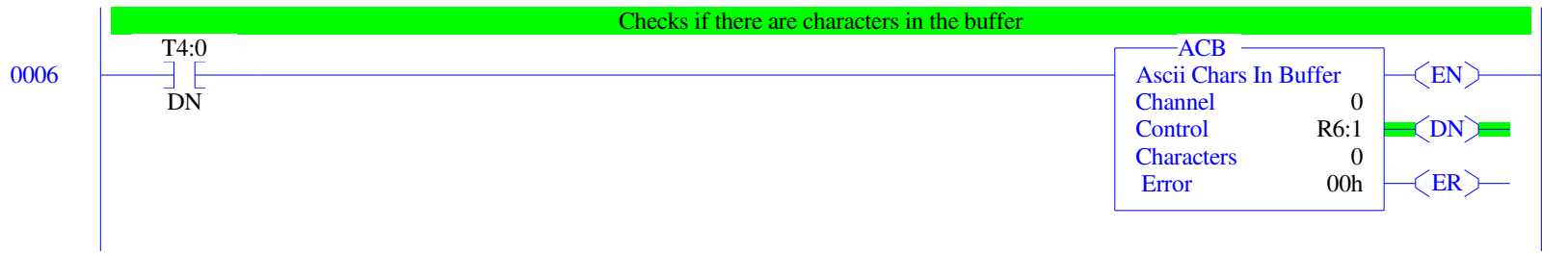
0004

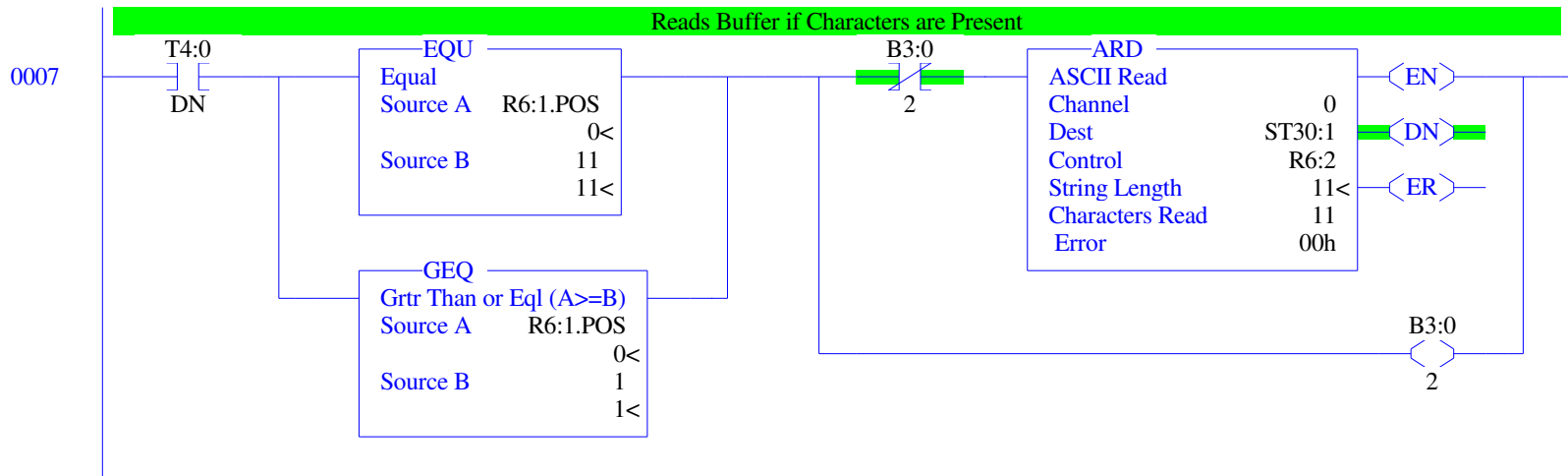
WRITE COMMAND 20 TO LENGTH ARRAY

Length array @ address 2
command 20 returns array status
Including first, last and number of beams broken
& size of array

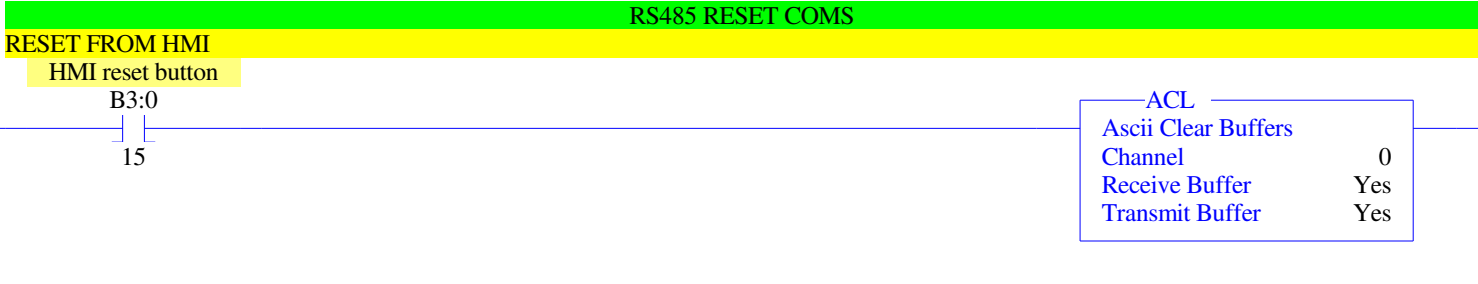
0005

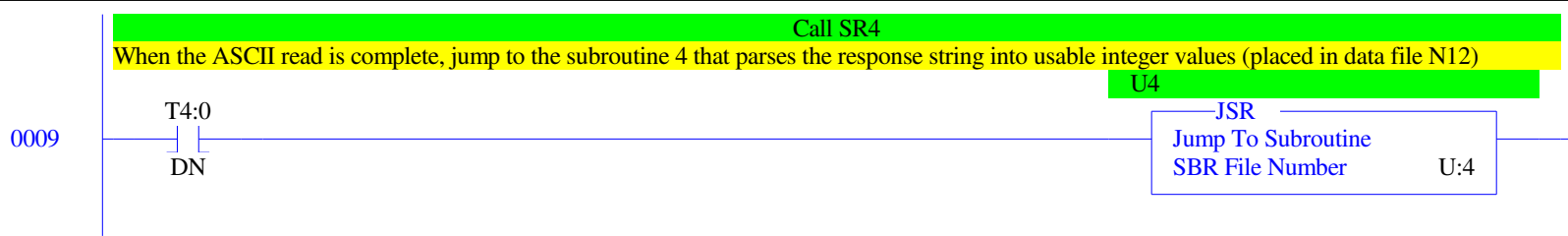


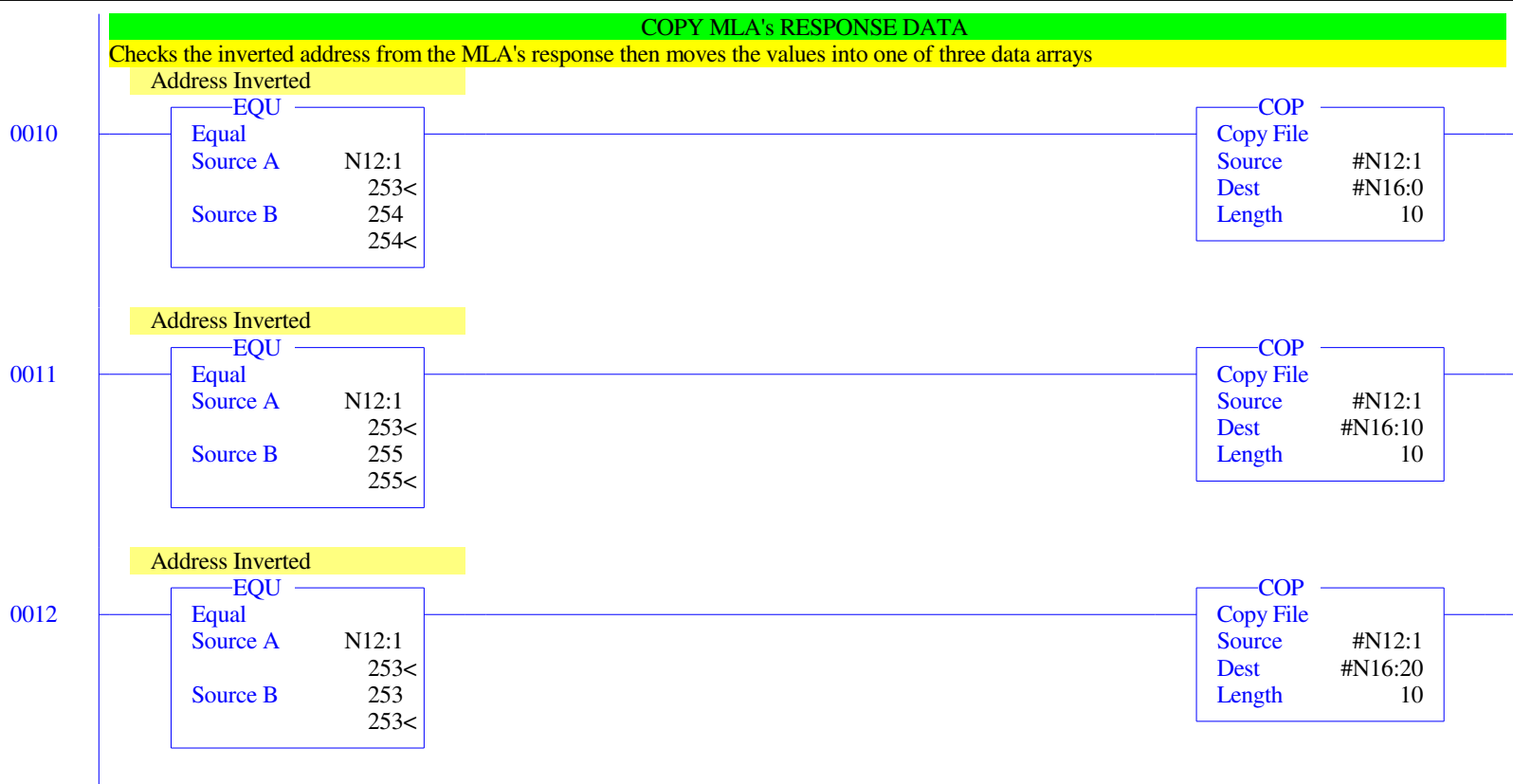


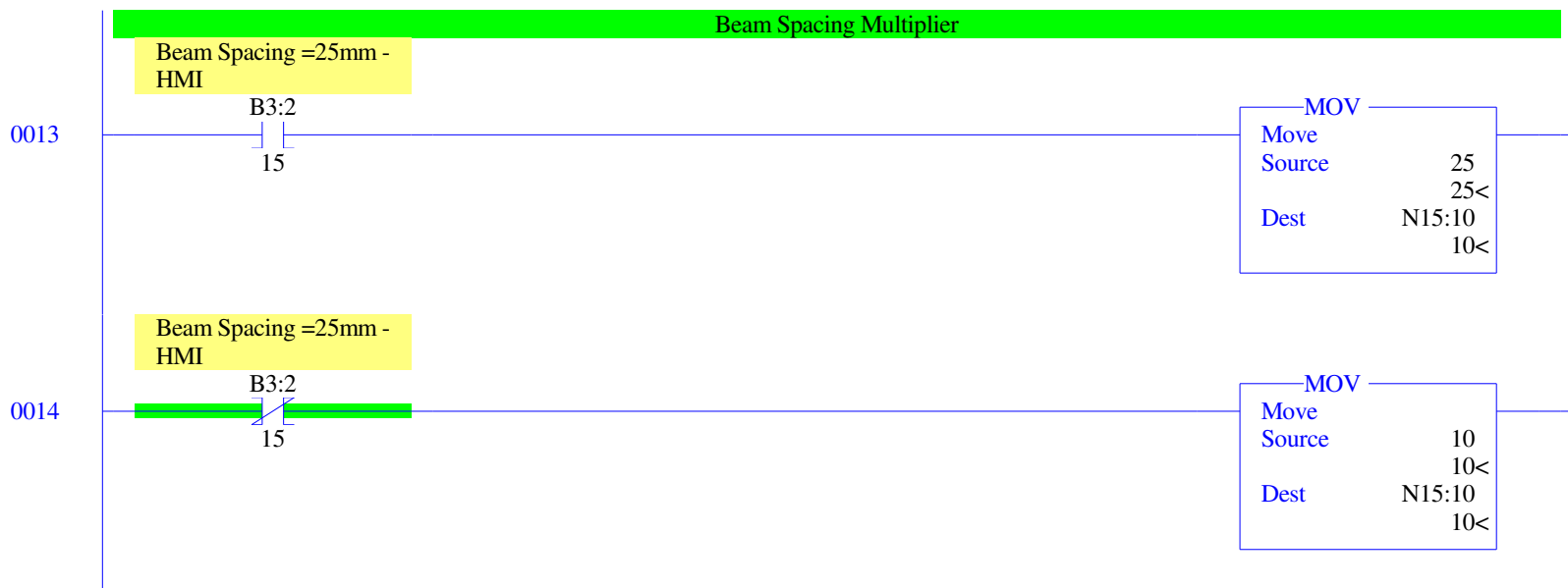


0008

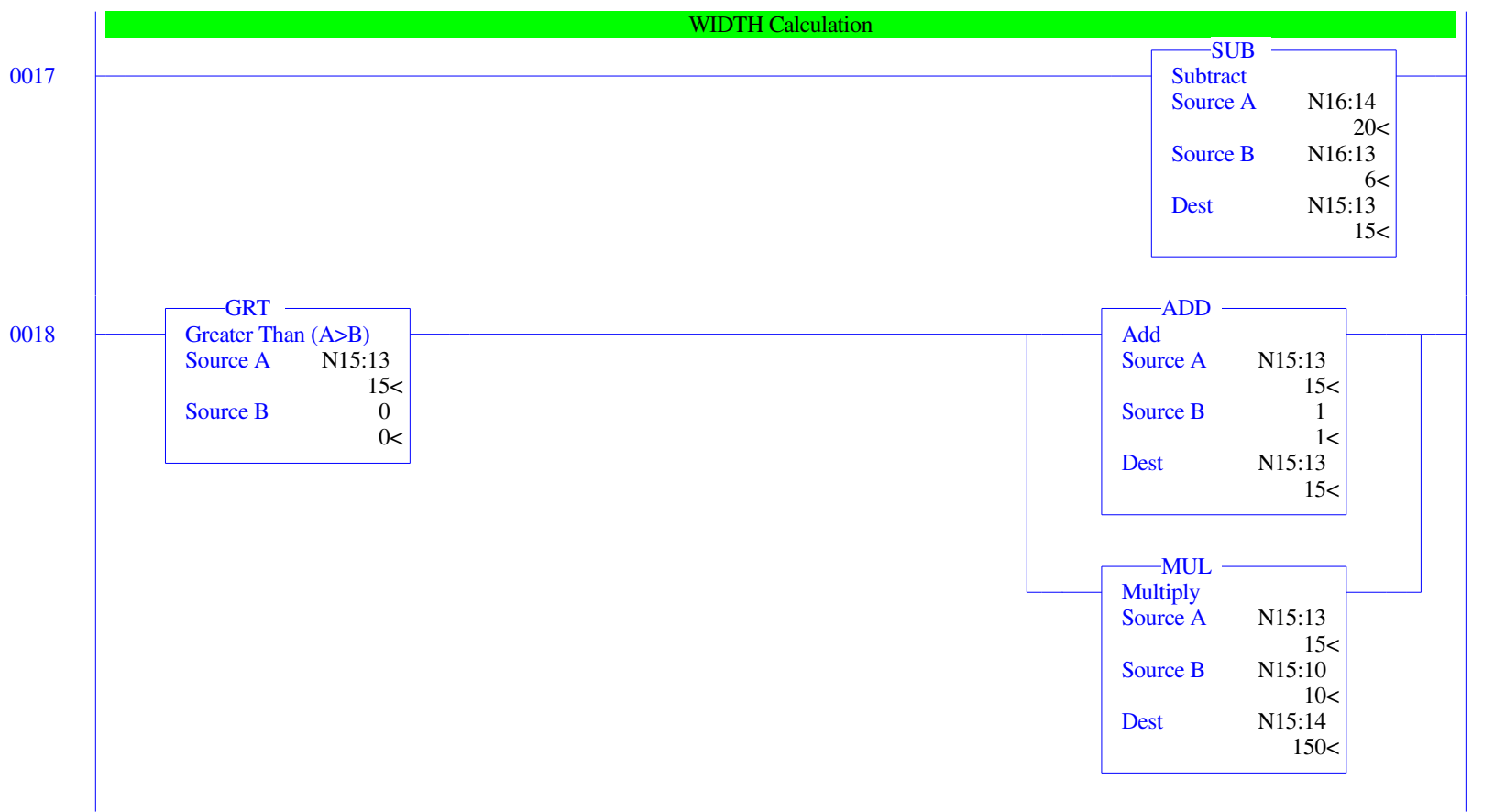


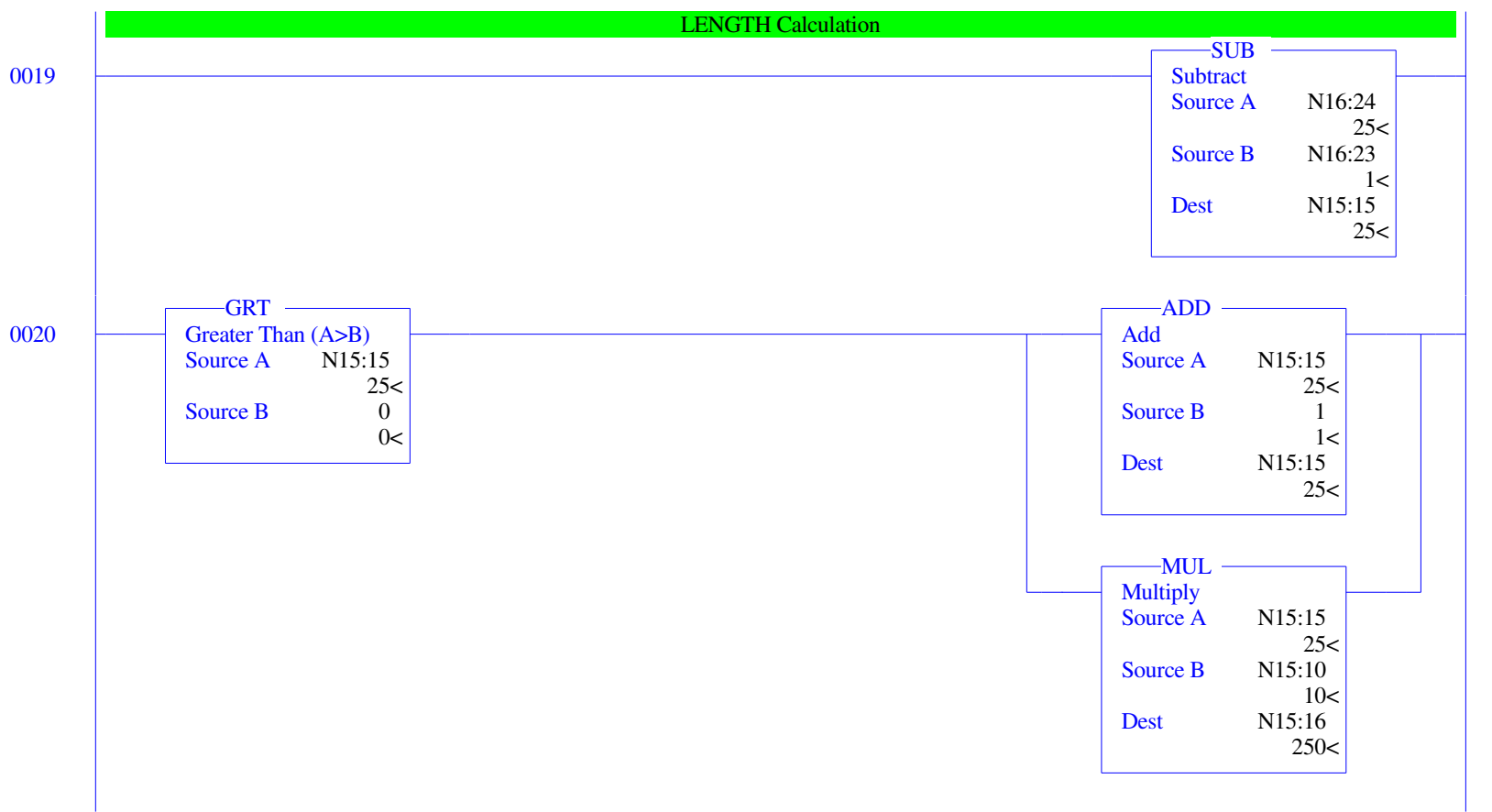








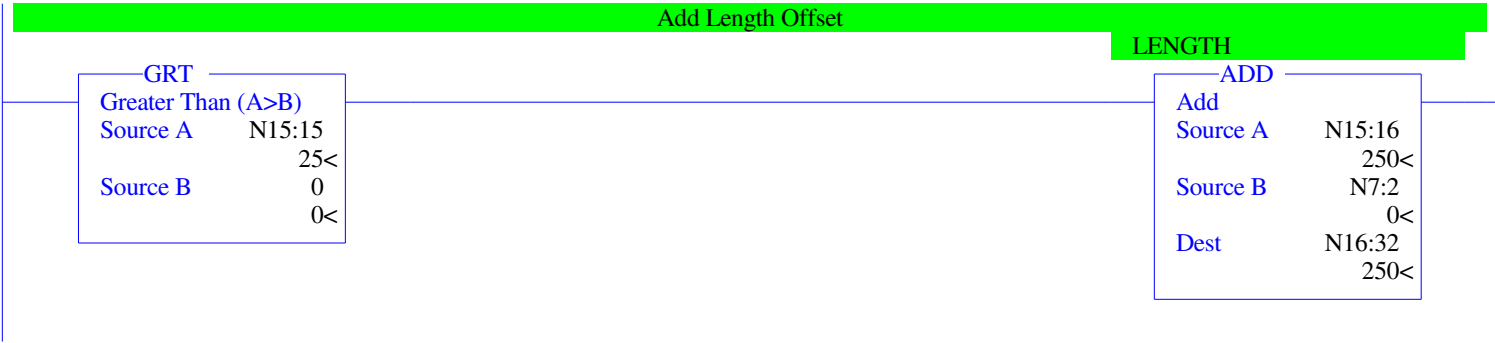


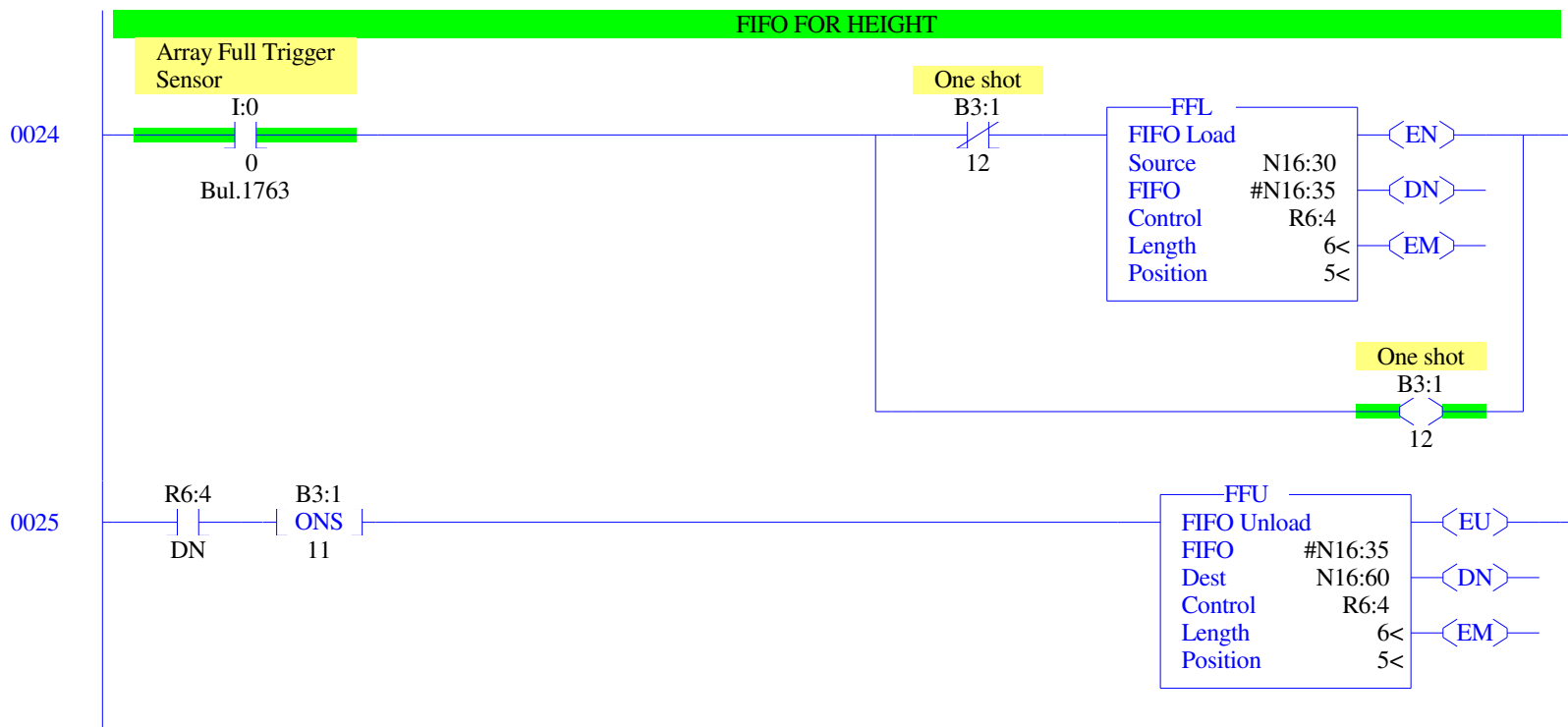


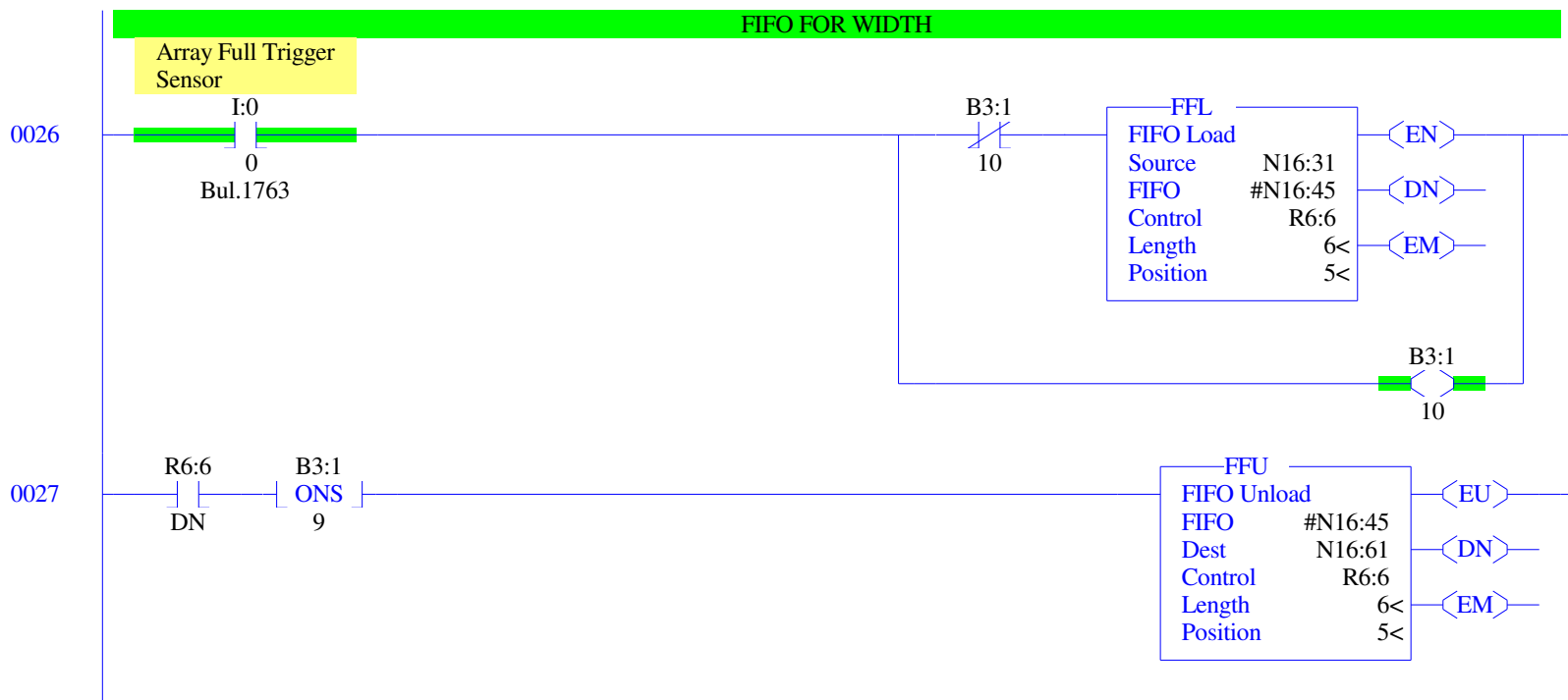


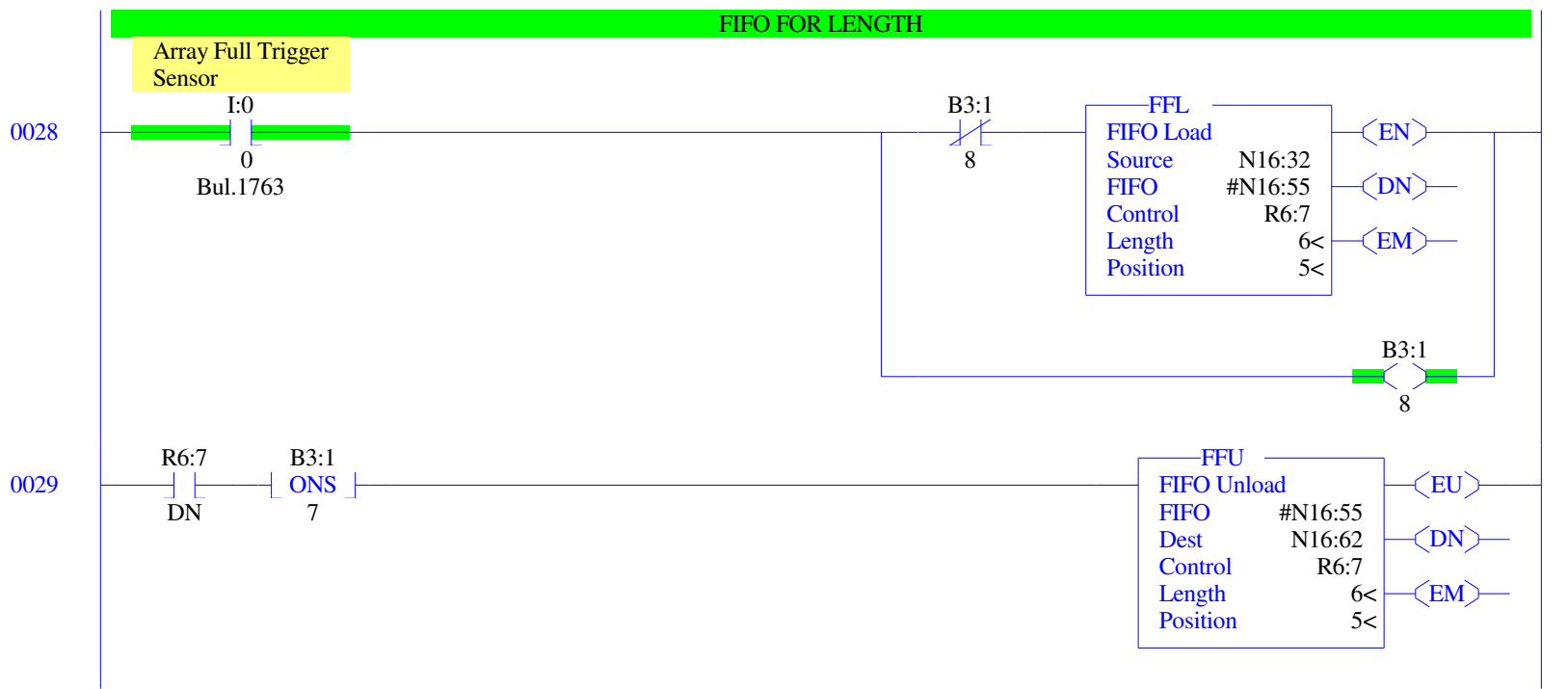


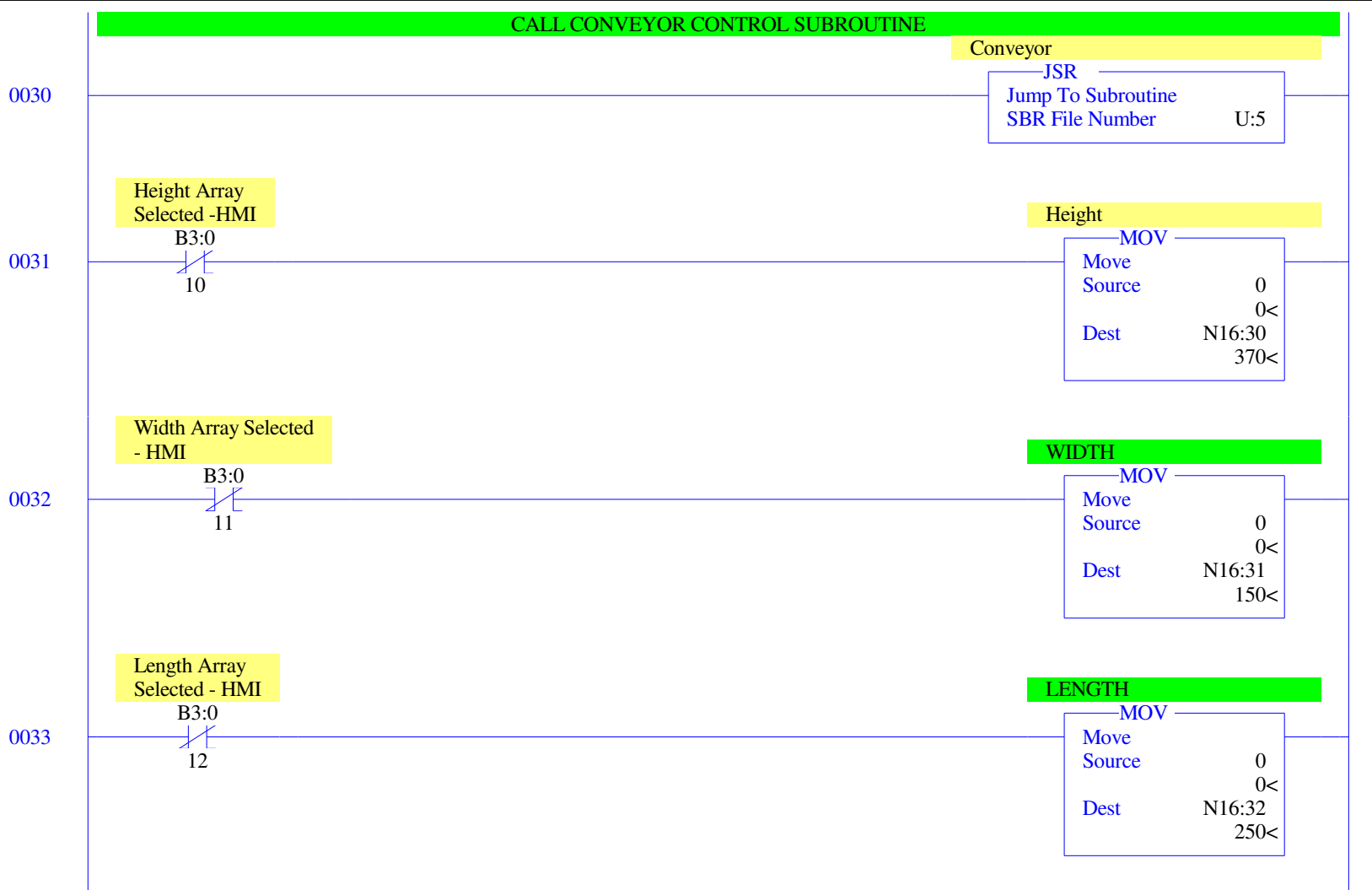
0023

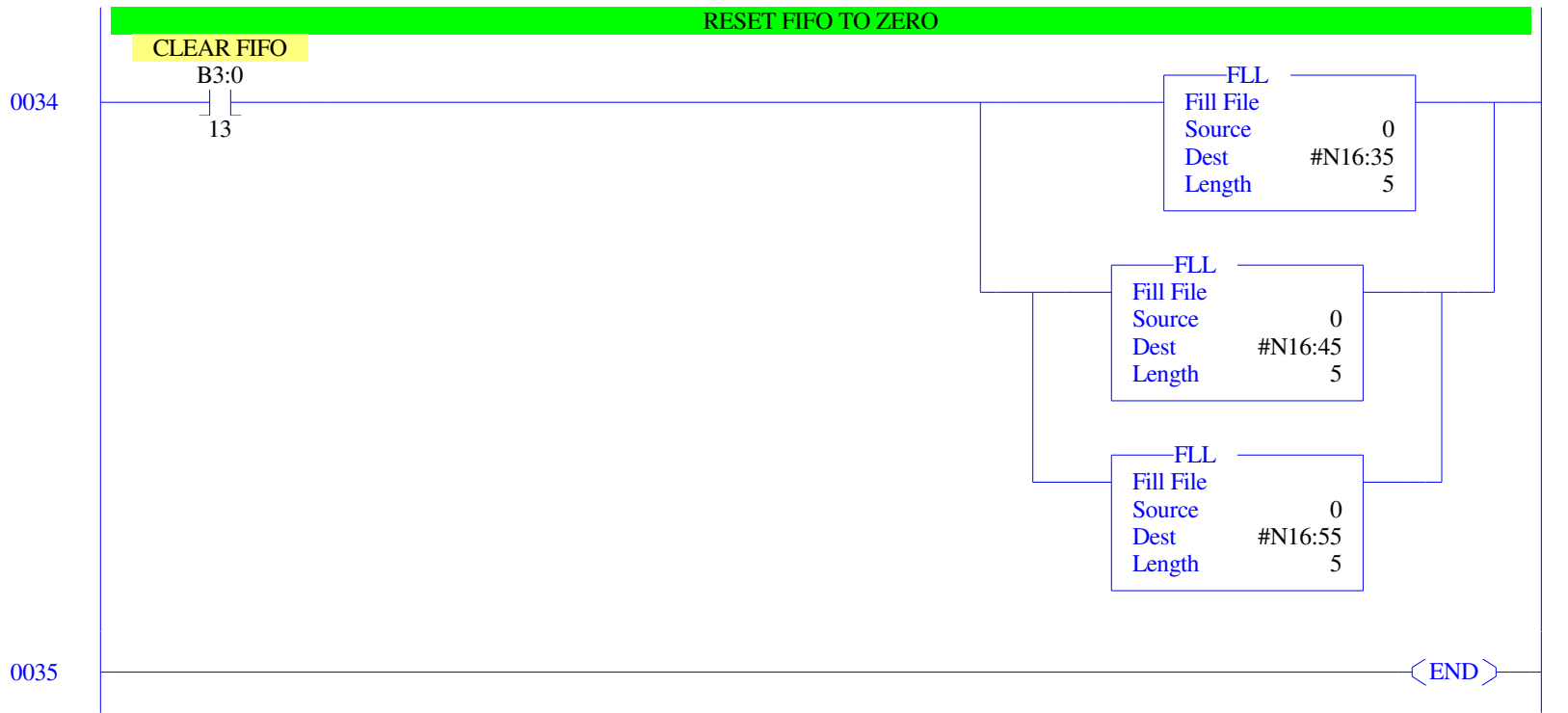


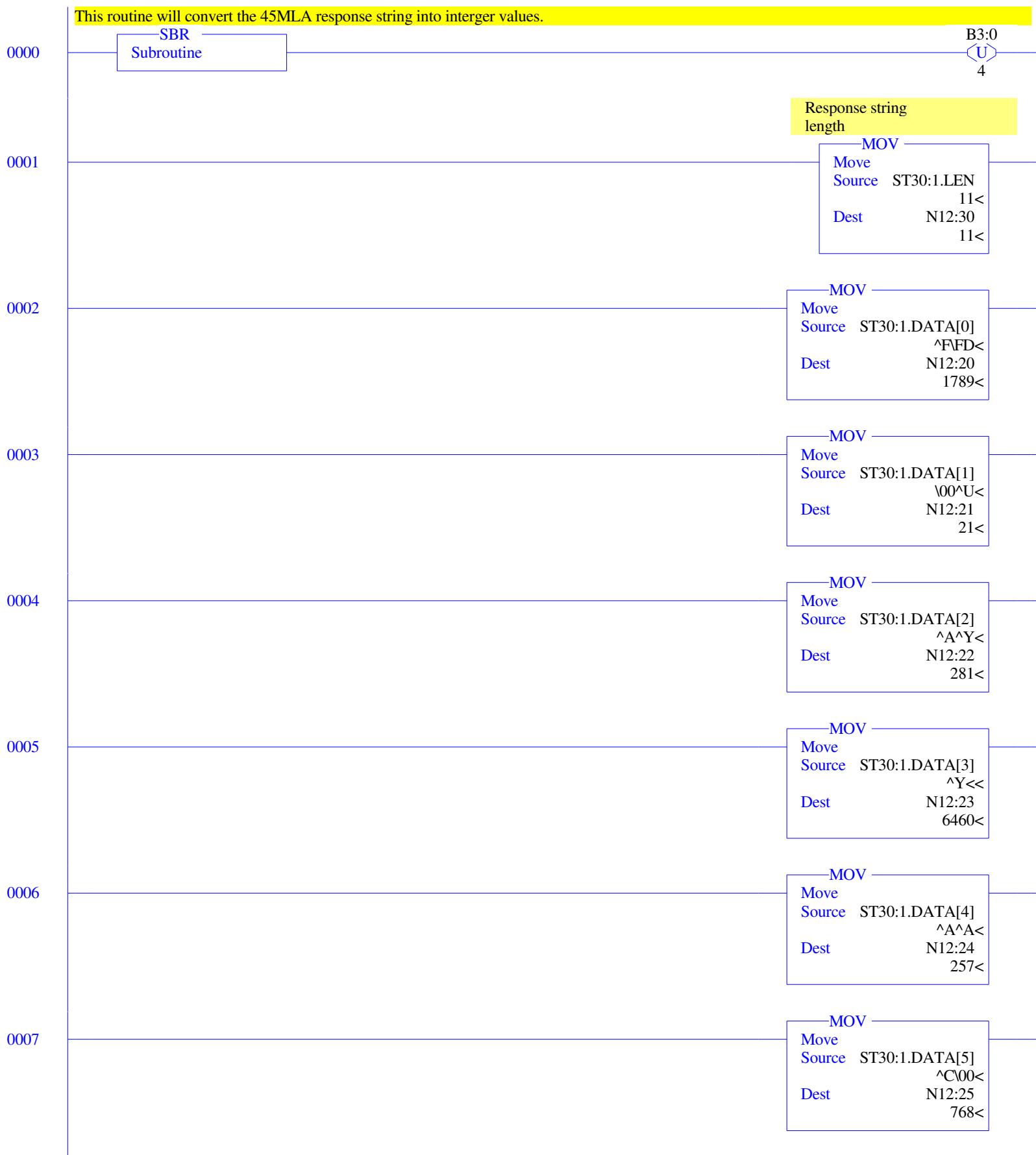












0008

AND
Bitwise AND
Source A N12:20
06FDh<
Source B -256
-256<
Dest N12:10
0600h<

DIV
Divide
Source A N12:10
1536<
Source B 256
256<
Dest N12:0
6<

Address Inverted

AND
Bitwise AND
Source A N12:20
06FDh<
Source B 255
255<
Dest N12:1
00FDh<

0009

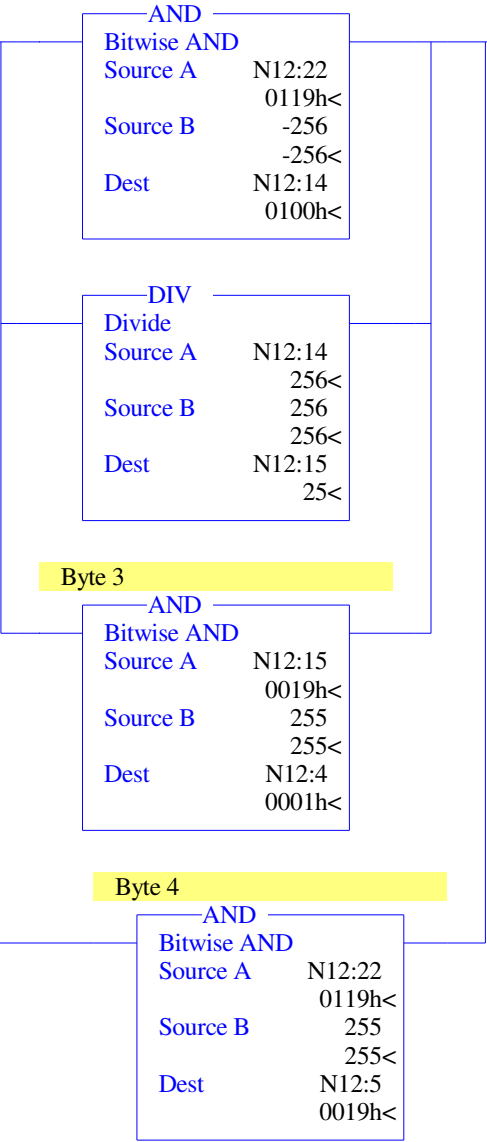
AND
Bitwise AND
Source A N12:21
0015h<
Source B -256
-256<
Dest N12:12
0000h<

DIV
Divide
Source A N12:12
0<
Source B 256
256<
Dest N12:2
0<

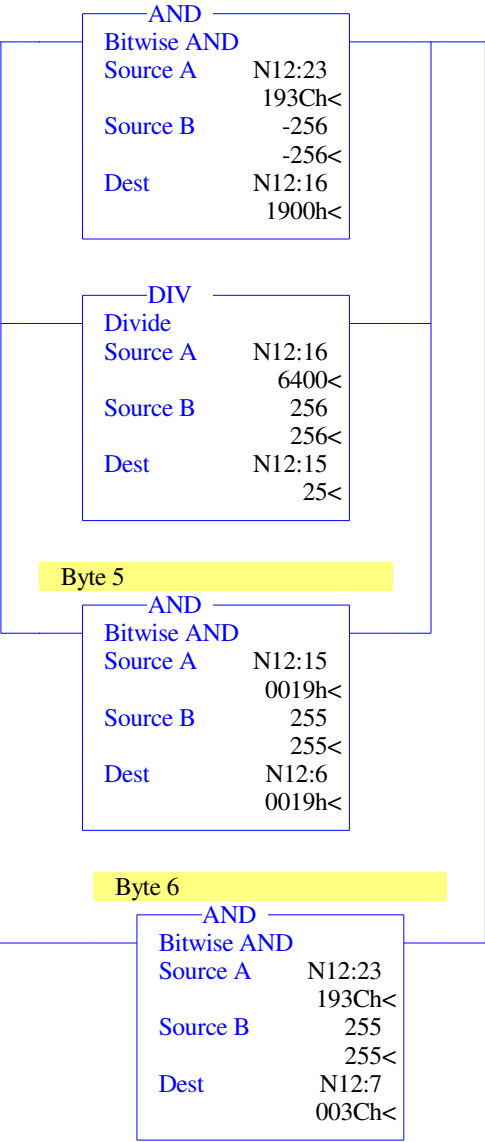
Response

AND
Bitwise AND
Source A N12:21
0015h<
Source B 255
255<
Dest N12:3
0015h<

0010

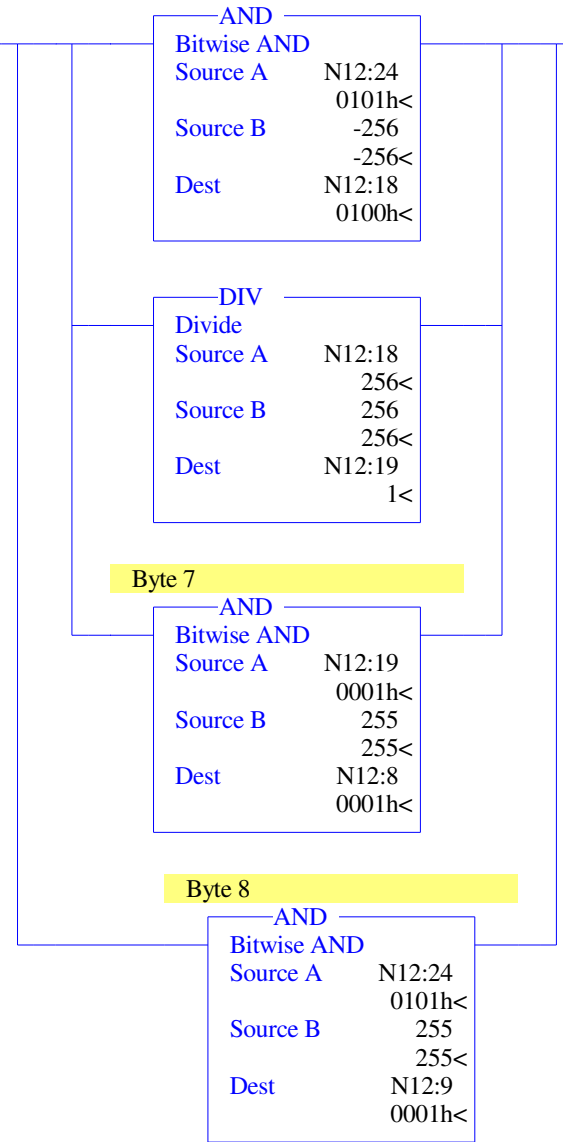


0011

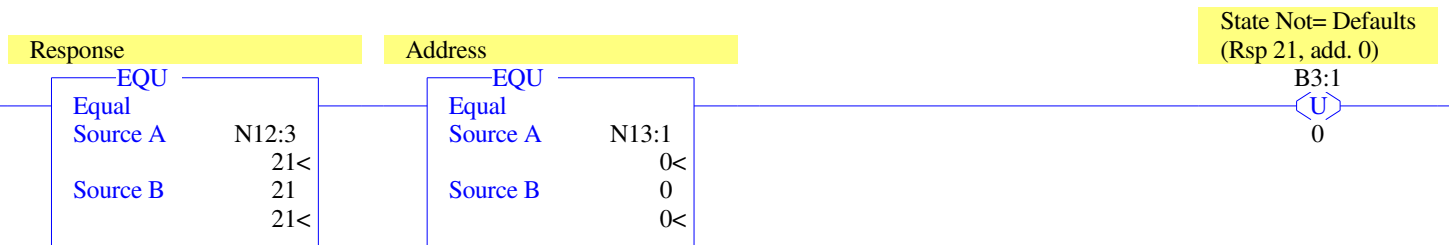


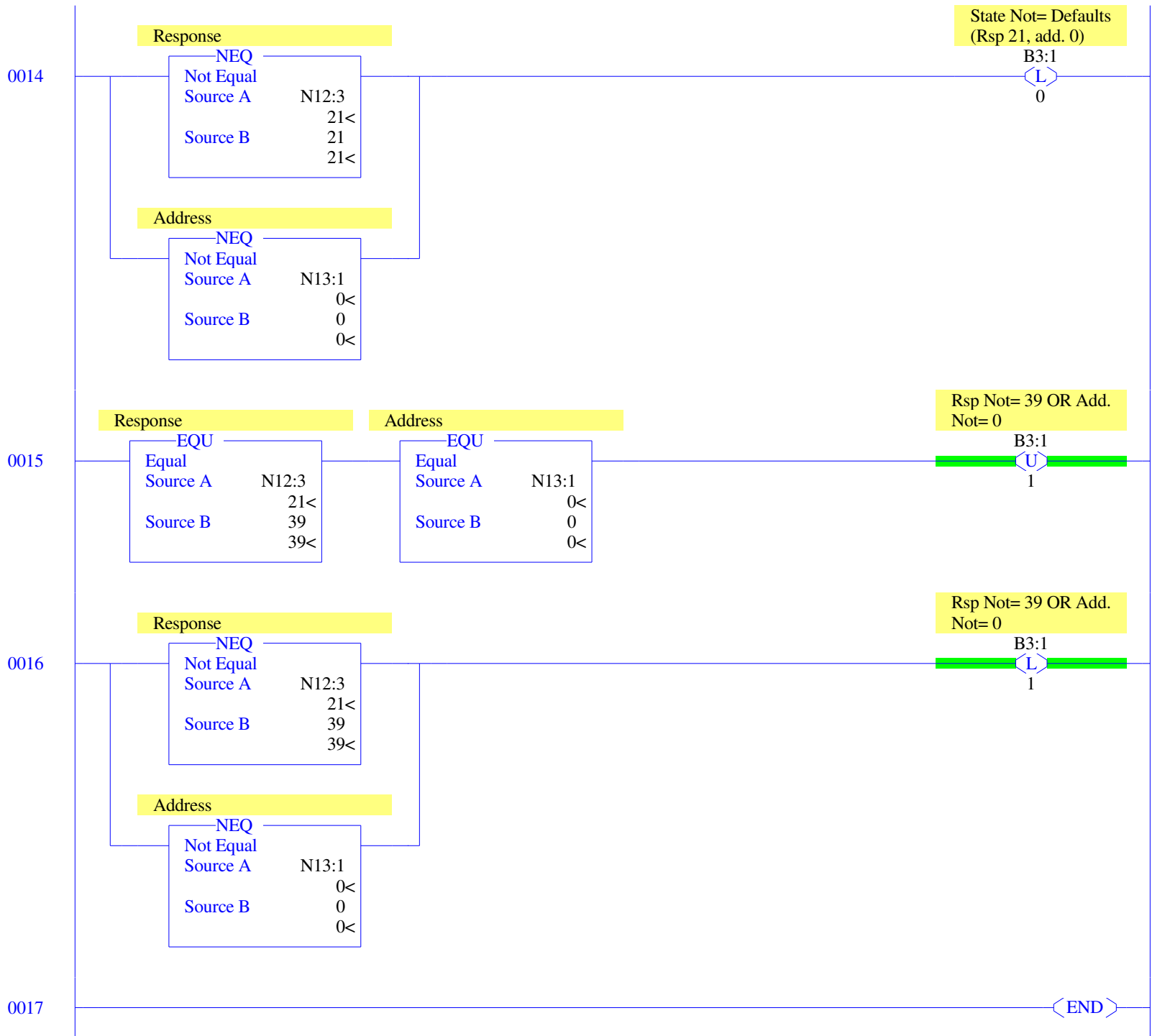
LAD 4 - MAKE_INT - Breaks down String to Ints --- Total Rungs in File = 18

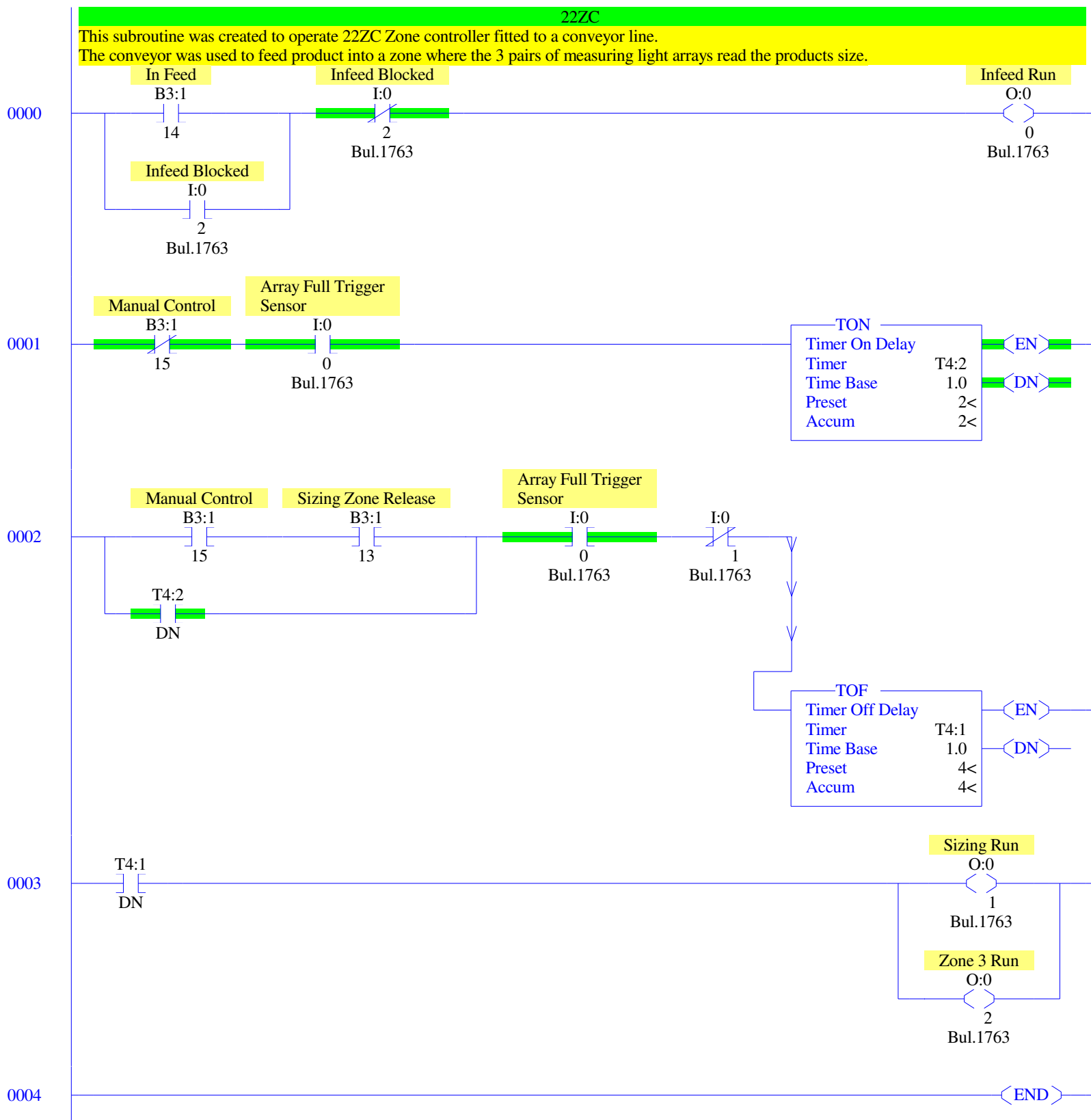
0012



0013







Data File 00 (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
O:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B
O:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B
O:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B
O:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B

Data File I1 (bin) -- INPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
I:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	Bul.1763	MicroLogix	1100	Series B	
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	Bul.1763	MicroLogix	1100	Series B-Analog
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	Bul.1763	MicroLogix	1100	Series B-Analog

Main

Processor Mode S:1/0 - S:1/4 = Remote Run
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0001-0101-1010-1110

Proc

OS Catalog Number S:57 = 1100 User Program Type S:63 = 8108h
OS Series S:58 = B Compiler Revision Number S:64 =
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =

Scan Times

Maximum (x10 ms) S:22 = 42
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 10
Scan Toggle Bit S:33/9 = 0

Math

Math Overflow Selected S:2/14 = 0 Math Register (lo word) S:13 = 0
Overflow Trap S:5/0 = 0 Math Register (high word) S:14-S:13 = 0
Carry S:0/0 = 0 Math Register (32 Bit) S:14-S:13 = 0
Overflow S:0/1 = 0
Zero Bit S:0/2 = 0
Sign Bit S:0/3 = 0

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Run
Node Address S:15 (low byte) = 0 Outgoing Msg Cmd Pending S:33/2 = 0
Baud Rate S:15 (high byte) = ?
Channel Mode S:33/3 = 0
Comms Active S:33/4 = 0
Incoming Cmd Pending S:33/0 = 0
Msg Reply Pending S:33/1 = 0

Debug

Suspend Code S:7 = 0
Suspend File S:8 = 0

Errors

Fault Override At Power Up S:1/8 = 0 Fault Routine S:29 = 0
Startup Protection Fault S:1/9 = 0 Major Error S:6 = 0h
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0 Error Description:
Control Register Error S:5/2 = 0
Major Error Executing User Fault Rtn. S:5/3 = 0
Battery Low S:5/11 = 0
Input Filter Selection Modified S:5/13 = 0
ASCII String Manipulation error S:5/15 = 0

Protection

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

Mem Module

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0

Data File S2 (hex)	--	STATUS
--------------------	----	--------

Forces

Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B3:0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0		
B3:1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0		
B3:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T4:0	1	1	0	.001 sec	100	99		
T4:1	0	0	0	1.0 sec	4	4		
T4:2	1	0	1	1.0 sec	2	2		

Data File C5 -- COUNTER

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	0	0	0	0	10	8		

Data File R6 -- CONTROL

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	0	0	1	0	0	0	0	0	11	11		
R6:1	0	0	1	0	0	0	0	0	11	0		
R6:2	0	0	1	0	0	0	0	0	11	11		
R6:3	0	0	1	0	0	0	0	0	11	11		
R6:4	0	0	0	0	0	0	0	0	6	5		
R6:5	0	0	1	0	0	0	0	0	11	11		
R6:6	0	0	0	0	0	0	0	0	6	5		
R6:7	0	0	0	0	0	0	0	0	6	5		
R6:8	0	0	0	0	0	0	0	0	0	0		
R6:9	0	0	0	0	0	0	0	0	0	0		

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	150	0	0	0	0	3	0	0	0	0
N7:10	512	4608	0	0	0	3	0	0	0	0

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0				

Data File MG10 -- MSG

Offset	IA	RBL	LBN	RBN	CHN	NOD	MTO	NB	TFT	TFN	ELE	SEL	BK	TO	CO	EN
MG10:0	0	0	-1	0	0	3	5	22	0	0	0	0	0	0	0	0

Data File N12 (dec) -- RESPONSE -- Response String Parsed into Bytes

Offset	0	1	2	3	4	5	6	7	8	9
N12:0	6	253	0	21	1	25	25	60	1	1
N12:10	1536	0	0	0	256	25	6400	0	256	1
N12:20	1789	21	281	6460	257	768	0	0	0	0
N12:30	11									

Data File N13 (dec) -- COMMAND -- Build Command String

Offset	0	1	2	3	4	5	6	7	8	9
N13:0	2	0	0	20	1	0	0	0	0	0
N13:10	512	0	256	0	0	0	0	0	0	0
N13:20	512	20	256	0	0	768	0	0	0	0

Data File N15 (dec)

Offset	0	1	2	3	4	5	6	7	8	9
N15:0	0	0	0	0	0	0	0	0	0	0
N15:10	10	22	220	15	150	25	250	0	0	0
N15:20	0	0	0	0	0	0	0	0	0	0
N15:30	0									

Data File N16 (dec)

Offset	0	1	2	3	4	5	6	7	8	9
N16:0	254	0	21	1	22	22	30	1	0	1536
N16:10	255	0	21	6	20	15	30	1	1	1536
N16:20	253	0	21	1	25	25	60	1	1	1536
N16:30	370	150	250	25	10	0	0	0	0	370
N16:40	0	0	0	0	0	0	0	0	0	180
N16:50	0	0	0	0	0	0	0	0	0	250
N16:60	0	0	0							

Offset	LEN	String Text	(Symbol)	Description	
ST30:0	11	^B^A\00^T^A\00\00\00\00\00^C			Send st
ST30:1	11	^F\FD\00^U^A^Y^Y<^A^A^C			Receive
ST30:2	11	^B\00\00^T^A\00\00\00\00\00^C			Send st
ST30:3	11	^B^B\00^T^A\00\00\00\00\00^C			Send st

Address (Symbol) = Value [Description]

T4:0.ACC = 99 []

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
	CONTINUOUS_SCAN	Global				
B3:0/0						
B3:0/1			Read Node 0 - Height			
B3:0/2						
B3:0/3			Reset demo defaults			
B3:0/4						
B3:0/5			one shot			
B3:0/6						
B3:0/7						
B3:0/9			Auto Poll Arrays			
B3:0/10			Height Array Selected -HMI			
B3:0/11			Width Array Selected - HMI			
B3:0/12			Length Array Selected - HMI			
B3:0/13			CLEAR FIFO			
B3:0/14			Disable Bit			
B3:0/15			HMI reset button			
B3:1/0			State Not= Defaults (Rsp 21, add. 0)			
B3:1/1			Rsp Not= 39 OR Add. Not= 0			
B3:1/4						
B3:1/5						
B3:1/8						
B3:1/9						
B3:1/10						
B3:1/11						
B3:1/12			One shot			
B3:1/13			Sizing Zone Release			
B3:1/14			In Feed			
B3:1/15			Manual Control			
B3:2						
B3:2/0						
B3:2/1			Read Node 1 - Width			
B3:2/3						
B3:2/15			Beam Spacing =25mm - HMI			
B3:3/0						
B3:3/1			Read Node 2 - Length			
B3:5/15			richies bit			
B9:0/0			Write In Progress			
B9:0/1			ASC Write Done			
C5:0						
C5:0.ACC						
C5:0/DN						
I:0/0			Array Full Trigger Sensor			
I:0/1						
I:0/2			Infeed Blocked			
MG10:0						
N1:59						
N7:0			Height Offset from HMI			
N7:1			Width Offset from HMI			
N7:2			Lenth Offset from HMI			
N7:3						
N7:4						
N7:5						
N7:6						
N7:7						
N7:8						
N7:9						
N7:10						
N7:11						
N12:0						
N12:1			Address Inverted			
N12:2						
N12:3			Response			
N12:4			Byte 3			
N12:5			Byte 4			
N12:6			Byte 5			
N12:7			Byte 6			
N12:8			Byte 7			
N12:9			Byte 8			
N12:10						
N12:11						
N12:12						
N12:13						
N12:14						
N12:15						
N12:16						
N12:19						
N12:20						
N12:21						
N12:22						
N12:30			Response string length			
N13:0			STX			
N13:1			Address			
N13:2			Command High			
N13:3			Command Low			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
N13:4			Byte 3			
N13:5			Byte 4			
N13:6			Byte 5			
N13:7			Byte 6			
N13:8			Byte 7			
N13:9			Byte 8			
N13:10			Temp STX			
N13:11			Temp Byte 1			
N13:12			Temp Byte 3			
N13:13			Temp Byte 5			
N13:14			Temp Byte 7			
N13:15			ETX			
N13:20			STX and Station Address			
N13:21			Command Bytes			
N13:22			Byte 3 & 4			
N13:23			Byte 5 & 6			
N13:24			Byte 7 & 8			
N13:25			Last Byte			
N15:1						
N15:10						
N15:11						
N15:12						
N16:0						
N16:1						
N16:10						
N16:15						
N16:25						
N16:30			Height			
N16:31	WIDTH	Global				
N16:32	LENGTH	Global				
N16:33			25 mm Beam spacing			
N16:34			10 mm beam spacing			
N16:35						
N16:40						
N16:50						
N16:55						
O:0						
O:0/0			Infeed Run			
O:0/1			Sizing Run			
O:0/2			Zone 3 Run			
R6:0						
R6:0/DN			ASC Write Done			
R6:0/EN			ASC Write Enabled			
R6:1						
R6:1.LEN						
R6:1.POS						
R6:1/ER			ASC Read Error			
R6:1/DN			ASC Read Done			
R6:1/EN			ASC Read Enable			
R6:2						
R6:2.LEN						
R6:2.POS	N12	Global	Characters in buffer			
R6:2/DN						
R6:3						
R6:4						
R6:4/DN						
R6:5						
R6:6						
R6:7/DN						
S:0			Arithmetic Flags			
S:0/0			Processor Arithmetic Carry Flag			
S:0/1			Processor Arithmetic Underflow/ Overflow Flag			
S:0/2			Processor Arithmetic Zero Flag			
S:0/3			Processor Arithmetic Sign Flag			
S:1			Processor Mode Status/ Control			
S:1/0			Processor Mode Bit 0			
S:1/1			Processor Mode Bit 1			
S:1/2			Processor Mode Bit 2			
S:1/3			Processor Mode Bit 3			
S:1/4			Processor Mode Bit 4			
S:1/5			Forces Enabled			
S:1/6			Forces Present			
S:1/7			Comms Active			
S:1/8			Fault Override at Powerup			
S:1/9			Startup Protection Fault			
S:1/10			Load Memory Module on Memory Error			
S:1/11			Load Memory Module Always			
S:1/12			Load Memory Module and RUN			
S:1/13			Major Error Halted			
S:1/14			Access Denied			
S:1/15			First Pass			
S:2/0			STI Pending			
S:2/1			STI Enabled			
S:2/2			STI Executing			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:2/3			Index Addressing File Range			
S:2/4			Saved with Debug Single Step			
S:2/5			DH-485 Incoming Command Pending			
S:2/6			DH-485 Message Reply Pending			
S:2/7			DH-485 Outgoing Message Command Pending			
S:2/15			Comms Servicing Selection			
S:3			Current Scan Time/ Watchdog Scan Time			
S:4			Time Base			
S:5/0			Overflow Trap			
S:5/2			Control Register Error			
S:5/3			Major Err Detected Executing UserFault Routine			
S:5/4			M0-M1 Referenced on Disabled Slot			
S:5/8			Memory Module Boot			
S:5/9			Memory Module Password Mismatch			
S:5/10			STI Overflow			
S:5/11			Battery Low			
S:6			Major Error Fault Code			
S:7			Suspend Code			
S:8			Suspend File			
S:9			Active Nodes			
S:10			Active Nodes			
S:11			I/O Slot Enables			
S:12			I/O Slot Enables			
S:13			Math Register			
S:14			Math Register			
S:15			Node Address/ Baud Rate			
S:16			Debug Single Step Rung			
S:17			Debug Single Step File			
S:18			Debug Single Step Breakpoint Rung			
S:19			Debug Single Step Breakpoint File			
S:20			Debug Fault/ Powerdown Rung			
S:21			Debug Fault/ Powerdown File			
S:22			Maximum Observed Scan Time			
S:23			Average Scan Time			
S:24			Index Register			
S:25			I/O Interrupt Pending			
S:26			I/O Interrupt Pending			
S:27			I/O Interrupt Enabled			
S:28			I/O Interrupt Enabled			
S:29			User Fault Routine File Number			
S:30			STI Setpoint			
S:31			STI File Number			
S:32			I/O Interrupt Executing			
S:33			Extended Proc Status Control Word			
S:33/0			Incoming Command Pending			
S:33/1			Message Reply Pending			
S:33/2			Outgoing Message Command Pending			
S:33/3			Selection Status User/DF1			
S:33/4			Communicat Active			
S:33/5			Communicat Servicing Selection			
S:33/6			Message Servicing Selection Channel 0			
S:33/7			Message Servicing Selection Channel 1			
S:33/8			Interrupt Latency Control Flag			
S:33/9			Scan Toggle Flag			
S:33/10			Discrete Input Interrupt Reconfigur Flag			
S:33/11			Online Edit Status			
S:33/12			Online Edit Status			
S:33/13			Scan Time Timebase Selection			
S:33/14			DTR Control Bit			
S:33/15			DTR Force Bit			
S:34			Pass-thru Disabled			
S:34/0			Pass-Thru Disabled Flag			
S:34/1			DH+ Active Node Table Enable Flag			
S:34/2			Floating Point Math Flag Disable,Fl			
S:35			Last 1 ms Scan Time			
S:36			Extended Minor Error Bits			
S:36/8			DII Lost			
S:36/9			STI Lost			
S:36/10			Memory Module Data File Overwrite Protection			
S:37			Clock Calendar Year			
S:38			Clock Calendar Month			
S:39			Clock Calendar Day			
S:40			Clock Calendar Hours			
S:41			Clock Calendar Minutes			
S:42			Clock Calendar Seconds			
S:43			STI Interrupt Time			
S:44			I/O Event Interrupt Time			
S:45			DII Interrupt Time			
S:46			Discrete Input Interrupt- File Number			
S:47			Discrete Input Interrupt- Slot Number			
S:48			Discrete Input Interrupt- Bit Mask			
S:49			Discrete Input Interrupt- Compare Value			
S:50			Processor Catalog Number			
S:51			Discrete Input Interrupt- Return Number			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:52			Discrete Input Interrupt- Accumulat			
S:53			Reserved/ Clock Calendar Day of the Week			
S:55			Last DII Scan Time			
S:56			Maximum Observed DII Scan Time			
S:57			Operating System Catalog Number			
S:58			Operating System Series			
S:59			Operating System FRN			
S:61			Processor Series			
S:62			Processor Revision			
S:63			User Program Type			
S:64			User Program Functional Index			
S:65			User RAM Size			
S:66			Flash EEPROM Size			
S:67			Channel 0 Active Nodes			
S:68			Channel 0 Active Nodes			
S:69			Channel 0 Active Nodes			
S:70			Channel 0 Active Nodes			
S:71			Channel 0 Active Nodes			
S:72			Channel 0 Active Nodes			
S:73			Channel 0 Active Nodes			
S:74			Channel 0 Active Nodes			
S:75			Channel 0 Active Nodes			
S:76			Channel 0 Active Nodes			
S:77			Channel 0 Active Nodes			
S:78			Channel 0 Active Nodes			
S:79			Channel 0 Active Nodes			
S:80			Channel 0 Active Nodes			
S:81			Channel 0 Active Nodes			
S:82			Channel 0 Active Nodes			
S:83			DH+ Active Nodes			
S:84			DH+ Active Nodes			
S:85			DH+ Active Nodes			
S:86			DH+ Active Nodes			
ST20:0						
ST20:0.LEN						
ST20:0.DATA[0]						
ST20:0.DATA[0]/0						
ST20:0.DATA[1]						
ST20:0.DATA[2]						
ST20:0.DATA[3]						
ST20:0.DATA[4]						
ST20:0.DATA[5]						
ST20:0.DATA[6]						
ST20:0.DATA[7]						
ST20:0.DATA[8]						
ST20:0.DATA[9]						
ST20:0.DATA[10]						
ST20:0.DATA[11]						
ST20:1						
ST20:1.DATA[0]						
ST20:2						
ST21:0						
ST30:0			Send string Address 1 - Height			
ST30:0.LEN						
ST30:0.DATA[0]						
ST30:0.DATA[1]						
ST30:0.DATA[2]						
ST30:0.DATA[3]						
ST30:0.DATA[4]						
ST30:1			Receive String			
ST30:1.LEN						
ST30:1.DATA[0]						
ST30:1.DATA[1]						
ST30:2			Send string Address 0 - Width			
ST30:3			Send string Address 2 - Length			
T4:0						
T4:0.0						
T4:0/DN						
T4:1/DN						
T4:2						
T4:2/DN						
U:3	U3	Global				
U:4	U4	Global				
U:5			Conveyor			

Instruction Comment Database

Address	Instruction	Description
---------	-------------	-------------

Symbol Group Database

Group_Name	Description
------------	-------------